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Cover Page

Order ID : Q2075

Project ID : Con Ed UTEN Mount Vernon, NY

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2075-01	SS-10
Q2075-02	SS-910
Q2075-03	SS-11
Q2075-04	SS-11MS
Q2075-05	SS-11MSD
Q2075-06	SS-MW1-11.5
Q2075-07	FB-05152025
Q2075-08	FB-05162025

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: 5/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

CDM Smith
Project Name: Con Ed UTEN Mount Vernon, NY
Project # N/A
Order ID # Q2075
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 05/16/2025.
2 Water samples were received on 05/16/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group3 and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group3 was based on method 8260-Low,8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q2075-04MS} with File ID: VY022350.D recoveries met the requirements for all compounds except for 1,2,4-Trimethylbenzene[235%] due to matrix interference.

The MSD {Q2075-05MSD} with File ID: VY022351.D recoveries met the acceptable requirements except for Ethyl Benzene[136%], Toluene[138%] due to matrix interference.

The RPD for {Q2075-05MSD} with File ID: VY022351.D met criteria except for 1,2,4-Trimethylbenzene[36%], Benzene[30%], p-Isopropyltoluene[21%], tert-Butylbenzene[26%] and Toluene[29%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

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The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Sample SS-MW1-11.5 was diluted due to high concentration.

E. Additional Comments:
Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2075 MATRIX: /Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q2075-04MS} with File ID: VY022350.D recoveries met the requirements for all compounds except for 1,2,4-Trimethylbenzene[235%] due to matrix interference. The MSD {Q2075-05MSD} with File ID: VY022351.D recoveries met the acceptable requirements except for Ethyl Benzene[136%], Toluene[138%] due to matrix interference. The RPD for {Q2075-05MSD} with File ID: VY022351.D met criteria except for 1,2,4-Trimethylbenzene[36%], Benzene[30%], p-Isopropyltoluene[21%], tert-Butylbenzene[26%] and Toluene[29%] due to difference in results of MS and MSD.		✓	
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Sample SS-MW1-11.5 was diluted due to high concentration.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is >20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2075**

	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: **SOHIL JODHANI** **Date:** **05/27/2025**

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LAB CHRONICLE

OrderID:	Q2075	**OrderDate:**	5/16/2025 4:10:00 PM
Client:	CDM Smith	**Project:**	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2075-01	**SS-10**	**SOIL**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260D			05/20/25	
Q2075-02	**SS-910**	**SOIL**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260D			05/20/25	
Q2075-03	**SS-11**	**SOIL**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260D			05/20/25	
Q2075-06	**SS-MW1-11.5**	**SOIL**			**05/16/25**			**05/16/25**
			VOCMS Group3	8260D			05/22/25	
Q2075-06ME	**SS-MW1-11.5ME**	**SOIL**			**05/16/25**			**05/16/25**
			VOCMS Group3	8260D			05/23/25	
Q2075-07	**FB-05152025**	**Water**			**05/15/25**			**05/16/25**
			VOCMS Group3	8260-Low			05/21/25	
Q2075-08	**FB-05162025**	**Water**			**05/16/25**			**05/16/25**
			VOCMS Group3	8260-Low			05/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2075

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SS-10**							
Q2075-01	SS-10	SOIL	Ethyl Benzene	21.1		0.54	4.00	ug/Kg
Q2075-01	SS-10	SOIL	Total Xylenes	93.8		1.66	12.1	ug/Kg
Q2075-01	SS-10	SOIL	Isopropylbenzene	5.70		0.63	4.00	ug/Kg
Q2075-01	SS-10	SOIL	n-propylbenzene	13.1		0.59	4.00	ug/Kg
Q2075-01	SS-10	SOIL	1,3,5-Trimethylbenzene	23.4		0.66	4.00	ug/Kg
Q2075-01	SS-10	SOIL	1,2,4-Trimethylbenzene	90.2		0.52	4.00	ug/Kg
Q2075-01	SS-10	SOIL	sec-Butylbenzene	3.50	J	0.53	4.00	ug/Kg
Q2075-01	SS-10	SOIL	p-Isopropyltoluene	2.10	J	0.50	4.00	ug/Kg
Q2075-01	SS-10	SOIL	n-Butylbenzene	3.70	J	1.20	4.00	ug/Kg
			Total Voc :	257				
			Total Concentration:	257				
Client ID:	**SS-910**							
Q2075-02	SS-910	SOIL	Ethyl Benzene	5.40		0.51	3.80	ug/Kg
Q2075-02	SS-910	SOIL	Total Xylenes	26.5		1.58	11.5	ug/Kg
Q2075-02	SS-910	SOIL	Isopropylbenzene	2.10	J	0.60	3.80	ug/Kg
Q2075-02	SS-910	SOIL	n-propylbenzene	5.00		0.56	3.80	ug/Kg
Q2075-02	SS-910	SOIL	1,3,5-Trimethylbenzene	9.10		0.63	3.80	ug/Kg
Q2075-02	SS-910	SOIL	1,2,4-Trimethylbenzene	32.9		0.49	3.80	ug/Kg
Q2075-02	SS-910	SOIL	sec-Butylbenzene	1.50	J	0.51	3.80	ug/Kg
Q2075-02	SS-910	SOIL	p-Isopropyltoluene	0.99	J	0.48	3.80	ug/Kg
Q2075-02	SS-910	SOIL	n-Butylbenzene	1.70	J	1.10	3.80	ug/Kg
			Total Voc :	85.2				
			Total Concentration:	85.2				
Client ID:	**SS-11**							
Q2075-03	SS-11	SOIL	Toluene	5.20		0.78	5.00	ug/Kg
Q2075-03	SS-11	SOIL	Ethyl Benzene	7.80		0.67	5.00	ug/Kg
Q2075-03	SS-11	SOIL	Total Xylenes	46.3		2.02	14.9	ug/Kg
Q2075-03	SS-11	SOIL	Isopropylbenzene	2.10	J	0.78	5.00	ug/Kg
Q2075-03	SS-11	SOIL	n-propylbenzene	5.40		0.73	5.00	ug/Kg
Q2075-03	SS-11	SOIL	1,3,5-Trimethylbenzene	9.80		0.82	5.00	ug/Kg
Q2075-03	SS-11	SOIL	1,2,4-Trimethylbenzene	40.2		0.64	5.00	ug/Kg
Q2075-03	SS-11	SOIL	sec-Butylbenzene	1.40	J	0.66	5.00	ug/Kg
Q2075-03	SS-11	SOIL	n-Butylbenzene	1.40	J	1.40	5.00	ug/Kg
			Total Voc :	120				
			Total Concentration:	120				
Client ID:	**SS-MW1-11.5**							
Q2075-06	SS-MW1-11.5	SOIL	Benzene	9.40		0.62	3.90	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2075

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2075-06	SS-MW1-11.5	SOIL	Toluene	44.7		0.61	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	Ethyl Benzene	18.9		0.52	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	Total Xylenes	1510	E	1.61	11.7	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	Isopropylbenzene	40.5		0.61	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	n-propylbenzene	56.3		0.57	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	1,3,5-Trimethylbenzene	770	E	0.64	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	1,2,4-Trimethylbenzene	740	E	0.50	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	sec-Butylbenzene	66.3		0.52	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	p-Isopropyltoluene	52.3		0.48	3.90	ug/Kg
Q2075-06	SS-MW1-11.5	SOIL	n-Butylbenzene	71.9		1.10	3.90	ug/Kg
			Total Voc :	3380				
			Total Concentration:	3380				
Client ID:	**SS-MW1-11.5ME**							
Q2075-06ME	SS-MW1-11.5ME	SOIL	Toluene	83.3	JD	25.6	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	Ethyl Benzene	110	JD	22.0	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	Total Xylenes	630	D	67.6	490	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	Isopropylbenzene	42.8	JD	25.6	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	n-propylbenzene	130	JD	24.0	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	1,3,5-Trimethylbenzene	220	D	26.9	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	1,2,4-Trimethylbenzene	810	D	21.0	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	sec-Butylbenzene	63.9	JD	21.7	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	p-Isopropyltoluene	43.7	JD	20.4	160	ug/Kg
Q2075-06ME	SS-MW1-11.5ME	SOIL	n-Butylbenzene	180	D	47.6	160	ug/Kg
			Total Voc :	2310				
			Total Concentration:	2310				

QC SUMMARY

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

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2075-01	SS-10	1,2-Dichloroethane-d4	50	53.3	107	63	155
		Dibromofluoromethane	50	51.9	104	70	134
		Toluene-d8	50	50.7	101	74	123
		4-Bromofluorobenzene	50	42.9	86	38	136
Q2075-02	SS-910	1,2-Dichloroethane-d4	50	48.7	97	63	155
		Dibromofluoromethane	50	49.5	99	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.8	80	38	136
Q2075-03	SS-11	1,2-Dichloroethane-d4	50	46.7	93	63	155
		Dibromofluoromethane	50	48.8	98	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
Q2075-04MS	SS-11MS	1,2-Dichloroethane-d4	50	49.2	98	63	155
		Dibromofluoromethane	50	42.1	84	70	134
		Toluene-d8	50	39.0	78	74	123
		4-Bromofluorobenzene	50	36.5	73	38	136
Q2075-05MSD	SS-11MSD	1,2-Dichloroethane-d4	50	62.7	125	63	155
		Dibromofluoromethane	50	51.3	103	70	134
		Toluene-d8	50	45.1	90	74	123
		4-Bromofluorobenzene	50	45.4	91	38	136
Q2075-06	SS-MW1-11.5	1,2-Dichloroethane-d4	50	44.5	89	63	155
		Dibromofluoromethane	50	50.4	101	70	134
		Toluene-d8	50	55.4	111	74	123
		4-Bromofluorobenzene	50	49.9	100	38	136
Q2075-06ME	SS-MW1-11.5ME	1,2-Dichloroethane-d4	50	51.0	102	63	155
		Dibromofluoromethane	50	48.4	97	70	134
		Toluene-d8	50	50.7	101	74	123
		4-Bromofluorobenzene	50	51.5	103	38	136
VX0523MBL01	VX0523MBL01	1,2-Dichloroethane-d4	50	53.1	106	63	155
		Dibromofluoromethane	50	50.8	102	70	134
		Toluene-d8	50	50.0	100	74	123
		4-Bromofluorobenzene	50	51.6	103	38	136
VX0523MBS01	VX0523MBS01	1,2-Dichloroethane-d4	50	52.0	104	63	155
		Dibromofluoromethane	50	52.4	105	70	134
		Toluene-d8	50	50.3	101	74	123
		4-Bromofluorobenzene	50	51.8	104	38	136
VY0520SBL01	VY0520SBL01	1,2-Dichloroethane-d4	50	45.7	91	63	155
		Dibromofluoromethane	50	48.4	97	70	134
		Toluene-d8	50	48.6	97	74	123
		4-Bromofluorobenzene	50	52.5	105	38	136
VY0520SBS01	VY0520SBS01	1,2-Dichloroethane-d4	50	52.8	106	63	155
		Dibromofluoromethane	50	52.0	104	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	47.7	95	38	136
VY0522SBL01	VY0522SBL01	1,2-Dichloroethane-d4	50	48.9	98	63	155
		Dibromofluoromethane	50	49.8	100	70	134
		Toluene-d8	50	48.7	97	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
VY0522SBS01	VY0522SBS01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	50.3	101	70	134

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Surrogate Summary

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0522SBS01	VY0522SBS01	Toluene-d8	50	50.3	101	74	123
		4-Bromofluorobenzene	50	47.7	95	38	136

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Surrogate Summary

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2075-07	FB-05152025	1,2-Dichloroethane-d4	50	53.2	106	74	125
		Dibromofluoromethane	50	49.3	99	75	124
		Toluene-d8	50	50.7	101	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121
Q2075-08	FB-05162025	1,2-Dichloroethane-d4	50	52.2	104	74	125
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	51.7	103	77	121
VX0521WBL01	VX0521WBL01	1,2-Dichloroethane-d4	50	53.5	107	74	125
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	50.8	102	86	113
		4-Bromofluorobenzene	50	50.7	101	77	121
VX0521WBS01	VX0521WBS01	1,2-Dichloroethane-d4	50	53.6	107	74	125
		Dibromofluoromethane	50	54.3	109	75	124
		Toluene-d8	50	52.4	105	86	113
		4-Bromofluorobenzene	50	55.0	110	77	121
VX0521WBSD0	VX0521WBSD01	1,2-Dichloroethane-d4	50	54.2	108	74	125
		Dibromofluoromethane	50	55.1	110	75	124
		Toluene-d8	50	54.1	108	86	113
		4-Bromofluorobenzene	50	55.8	112	77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2075-04MS		**Client Sample ID : SS-11MS**							**Datafile :** VY022350.D		
Benzene	34	0	31.6	ug/Kg	93				59	140	
Toluene	34	5.20	40.1	ug/Kg	103				61	134	
Ethyl Benzene	34	7.80	46.5	ug/Kg	114				54	134	
m/p-Xylenes	67.9	29.5	130	ug/Kg	148	*			51	137	
o-Xylene	34	16.8	71.9	ug/Kg	162	*			57	139	
Isopropylbenzene	34	2.10	34.0	ug/Kg	94				44	160	
N-propylbenzene	34	5.40	39.5	ug/Kg	100				10	173	
1,3,5-Trimethylbenzene	34	9.80	47.6	ug/Kg	111				10	175	
tert-Butylbenzene	34	0	28.7	ug/Kg	84				10	173	
1,2,4-Trimethylbenzene	34	40.2	120	ug/Kg	235	*			10	175	
Sec-butylbenzene	34	1.40	30.9	ug/Kg	87				10	172	
p-Isopropyltoluene	34	0	29.0	ug/Kg	85				26	153	
n-Butylbenzene	34	1.40	30.5	ug/Kg	86				10	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID :	**Q2075-05MSD**	**Client Sample ID :**	**SS-11MSD**					**Datafile :**	VY022351.D		
Benzene	34.3	0	43.1	ug/Kg	126		30	*	59	140	20
Toluene	34.3	5.20	52.7	ug/Kg	138	*	29	*	61	134	20
Ethyl Benzene	34.3	7.80	54.6	ug/Kg	136	*	18		54	134	20
m/p-Xylenes	68.7	29.5	140	ug/Kg	161	*	8		51	137	20
o-Xylene	34.3	16.8	78.5	ug/Kg	180	*	11		57	139	20
Isopropylbenzene	34.3	2.10	40.5	ug/Kg	112		17		44	160	20
N-propylbenzene	34.3	5.40	43.6	ug/Kg	111		10		10	173	20
1,3,5-Trimethylbenzene	34.3	9.80	49.0	ug/Kg	114		3		10	175	20
tert-Butylbenzene	34.3	0	37.7	ug/Kg	110		26	*	10	173	20
1,2,4-Trimethylbenzene	34.3	40.2	96.4	ug/Kg	164		36	*	10	175	20
Sec-butylbenzene	34.3	1.40	37.6	ug/Kg	106		20		10	172	20
p-Isopropyltoluene	34.3	0	36.2	ug/Kg	106		21	*	26	153	20
n-Butylbenzene	34.3	1.40	36.4	ug/Kg	102		17		10	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046287.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0521WBS01	Benzene	20	20.3	ug/L	102			82	109	
	Toluene	20	20.5	ug/L	103			82	110	
	Ethyl Benzene	20	20.1	ug/L	101			83	109	
	m/p-Xylenes	40	40.3	ug/L	101			82	110	
	o-Xylene	20	20.9	ug/L	104			83	109	
	Isopropylbenzene	20	20.4	ug/L	102			83	112	
	N-propylbenzene	20	20.4	ug/L	102			83	112	
	1,3,5-Trimethylbenzene	20	21.1	ug/L	106			85	112	
	tert-Butylbenzene	20	20.2	ug/L	101			83	112	
	1,2,4-Trimethylbenzene	20	20.7	ug/L	104			85	111	
	Sec-butylbenzene	20	20.3	ug/L	102			81	114	
	p-Isopropyltoluene	20	20.5	ug/L	103			78	116	
	n-Butylbenzene	20	19.7	ug/L	99			75	115	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0521WBSD01	Benzene	20	20.4	ug/L	102	0		82	109	20
	Toluene	20	21.1	ug/L	106	3		82	110	20
	Ethyl Benzene	20	20.4	ug/L	102	1		83	109	20
	m/p-Xylenes	40	41.1	ug/L	103	2		82	110	20
	o-Xylene	20	21.0	ug/L	105	1		83	109	20
	Isopropylbenzene	20	20.8	ug/L	104	2		83	112	20
	N-propylbenzene	20	20.7	ug/L	104	2		83	112	20
	1,3,5-Trimethylbenzene	20	21.0	ug/L	105	1		85	112	20
	tert-Butylbenzene	20	20.5	ug/L	103	2		83	112	20
	1,2,4-Trimethylbenzene	20	20.9	ug/L	104	0		85	111	20
	Sec-butylbenzene	20	21.1	ug/L	106	4		81	114	20
	p-Isopropyltoluene	20	20.7	ug/L	104	1		78	116	20
	n-Butylbenzene	20	20.2	ug/L	101	2		75	115	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VX046335.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0523MBS01	Benzene	2000	2000	ug/Kg	100			84	121	
	Toluene	2000	2000	ug/Kg	100			83	122	
	Ethyl Benzene	2000	2000	ug/Kg	100			82	124	
	m/p-Xylenes	4000	4000	ug/Kg	100			83	124	
	o-Xylene	2000	2100	ug/Kg	105			83	123	
	Isopropylbenzene	2000	2000	ug/Kg	100			82	124	
	N-propylbenzene	2000	1900	ug/Kg	95			81	123	
	1,3,5-Trimethylbenzene	2000	2100	ug/Kg	105			82	124	
	tert-Butylbenzene	2000	2000	ug/Kg	100			81	125	
	1,2,4-Trimethylbenzene	2000	2000	ug/Kg	100			81	125	
	Sec-butylbenzene	2000	2000	ug/Kg	100			80	124	
	p-Isopropyltoluene	2000	2000	ug/Kg	100			81	125	
	n-Butylbenzene	2000	1900	ug/Kg	95			78	126	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0520SBS01	Benzene	20	20.8	ug/Kg	104			84	121	
	Toluene	20	20.0	ug/Kg	100			83	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.6	ug/Kg	99			83	124	
	o-Xylene	20	20.2	ug/Kg	101			83	123	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	N-propylbenzene	20	20.3	ug/Kg	102			81	123	
	1,3,5-Trimethylbenzene	20	19.5	ug/Kg	98			82	124	
	tert-Butylbenzene	20	19.8	ug/Kg	99			81	125	
	1,2,4-Trimethylbenzene	20	19.3	ug/Kg	97			81	125	
	Sec-butylbenzene	20	20.0	ug/Kg	100			80	124	
	p-Isopropyltoluene	20	19.3	ug/Kg	97			81	125	
	n-Butylbenzene	20	19.7	ug/Kg	99			78	126	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2075

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022382.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0522SBS01	Benzene	20	19.5	ug/Kg	98			84	121	
	Toluene	20	19.4	ug/Kg	97			83	122	
	Ethyl Benzene	20	18.7	ug/Kg	94			82	124	
	m/p-Xylenes	40	38.0	ug/Kg	95			83	124	
	o-Xylene	20	18.8	ug/Kg	94			83	123	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	N-propylbenzene	20	19.4	ug/Kg	97			81	123	
	1,3,5-Trimethylbenzene	20	18.9	ug/Kg	95			82	124	
	tert-Butylbenzene	20	19.2	ug/Kg	96			81	125	
	1,2,4-Trimethylbenzene	20	18.8	ug/Kg	94			81	125	
	Sec-butylbenzene	20	19.4	ug/Kg	97			80	124	
	p-Isopropyltoluene	20	19.0	ug/Kg	95			81	125	
	n-Butylbenzene	20	19.3	ug/Kg	97			78	126	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0521WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046286.D Lab Sample ID: VX0521WBL01

Date Analyzed: 05/21/2025 Time Analyzed: 10:46

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
VX0521WBS01	VX0521WBS01	VX046287.D	05/21/2025
VX0521WBSD01	VX0521WBSD01	VX046288.D	05/21/2025
FB-05152025	Q2075-07	VX046292.D	05/21/2025
FB-05162025	Q2075-08	VX046293.D	05/21/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0523MBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046332.D Lab Sample ID: VX0523MBL01

Date Analyzed: 05/23/2025 Time Analyzed: 09:53

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
VX0523MBS01	VX0523MBS01	VX046335.D	05/23/2025
SS-MW1-11.5ME	Q2075-06ME	VX046336.D	05/23/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0520SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022330.D Lab Sample ID: VY0520SBL01

Date Analyzed: 05/20/2025 Time Analyzed: 09:48

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0520SBS01	VY0520SBS01	VY022331.D	05/20/2025
SS-10	Q2075-01	VY022343.D	05/20/2025
SS-910	Q2075-02	VY022344.D	05/20/2025
SS-11	Q2075-03	VY022345.D	05/20/2025
SS-11MS	Q2075-04MS	VY022350.D	05/20/2025
SS-11MSD	Q2075-05MSD	VY022351.D	05/20/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0522SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022381.D Lab Sample ID: VY0522SBL01

Date Analyzed: 05/22/2025 Time Analyzed: 09:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0522SBS01	VY0522SBS01	VY022382.D	05/22/2025
SS-MW1-11.5	Q2075-06	VY022403.D	05/22/2025

COMMENTS:

Raw Data: **VX046038.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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	22.1
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	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

Raw Data: **VX046283.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046283.D BFB Injection Date: 05/21/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:13

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	21.4
75	30.0 - 60.0% of mass 95	56.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	67.1 (95.7) 1
177	5.0 - 9.0% of mass 176	4.3 (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	VX046284.D	05/21/2025	09:55
VX0521WBL01	VX0521WBL01	VX046286.D	05/21/2025	10:46
VX0521WBS01	VX0521WBS01	VX046287.D	05/21/2025	11:09
VX0521WBSD01	VX0521WBSD01	VX046288.D	05/21/2025	11:36
FB-05152025	Q2075-07	VX046292.D	05/21/2025	13:09
FB-05162025	Q2075-08	VX046293.D	05/21/2025	13:32

Raw Data: **VX046330.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046330.D BFB Injection Date: 05/23/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:25

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	22
75	30.0 - 60.0% of mass 95	56.7
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	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.6 (6.9) 1
176	95.0 - 101.0% of mass 174	64 (95.9) 1
177	5.0 - 9.0% of mass 176	4.1 (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	VX046331.D	05/23/2025	09:24
VX0523MBL01	VX0523MBL01	VX046332.D	05/23/2025	09:53
VX0523MBS01	VX0523MBS01	VX046335.D	05/23/2025	11:23
SS-MW1-11.5ME	Q2075-06ME	VX046336.D	05/23/2025	11:46

Raw Data: **VY022252.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022252.D BFB Injection Date: 05/15/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (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
VSTDICC005	VSTDICC005	VY022253.D	05/15/2025	09:46
VSTDICC010	VSTDICC010	VY022254.D	05/15/2025	10:16
VSTDICC020	VSTDICC020	VY022255.D	05/15/2025	10:39
VSTDICCC050	VSTDICCC050	VY022256.D	05/15/2025	11:02
VSTDICC100	VSTDICC100	VY022257.D	05/15/2025	11:24
VSTDICC150	VSTDICC150	VY022258.D	05/15/2025	11:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022328.D BFB Injection Date: 05/20/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:09

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.5
75	30.0 - 60.0% of mass 95	58.5
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	1 (1.2) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	80.3 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 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	VY022329.D	05/20/2025	08:40
VY0520SBL01	VY0520SBL01	VY022330.D	05/20/2025	09:48
VY0520SBS01	VY0520SBS01	VY022331.D	05/20/2025	10:21
SS-10	Q2075-01	VY022343.D	05/20/2025	15:22
SS-910	Q2075-02	VY022344.D	05/20/2025	15:45
SS-11	Q2075-03	VY022345.D	05/20/2025	16:09
SS-11MS	Q2075-04MS	VY022350.D	05/20/2025	18:04
SS-11MSD	Q2075-05MSD	VY022351.D	05/20/2025	18:26

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022379.D BFB Injection Date: 05/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:05

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.1
75	30.0 - 60.0% of mass 95	57.8
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	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.8 (97.4) 1
177	5.0 - 9.0% of mass 176	5.5 (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	VY022380.D	05/22/2025	08:35
VY0522SBL01	VY0522SBL01	VY022381.D	05/22/2025	09:07
VY0522SBS01	VY0522SBS01	VY022382.D	05/22/2025	09:36
SS-MW1-11.5	Q2075-06	VY022403.D	05/22/2025	18:03

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046284.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

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	95080	5.54	161730	6.75	140445	10.05
UPPER LIMIT	190160	6.037	323460	7.251	280890	10.549
LOWER LIMIT	47540	5.037	80865	6.251	70222.5	9.549
EPA SAMPLE NO.						
FB-05152025	63566	5.55	126684	6.76	120601	10.05
FB-05162025	67975	5.55	135035	6.76	128288	10.05
VX0521WBL01	66690	5.54	132814	6.76	124685	10.05
VX0521WBS01	83102	5.54	146697	6.76	130479	10.05
VX0521WBSD01	82656	5.54	142441	6.76	127622	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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046284.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

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

	IS4 AREA #	RT #				
12 HOUR STD	67683	12.018				
UPPER LIMIT	135366	12.518				
LOWER LIMIT	33841.5	11.518				
EPA SAMPLE NO.						
FB-05152025	52644	12.02				
FB-05162025	55957	12.02				
VX0521WBL01	53099	12.02				
VX0521WBS01	62651	12.02				
VX0521WBSD01	60955	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046331.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:24

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	89943	5.54	154938	6.76	137123	10.05
UPPER LIMIT	179886	6.044	309876	7.257	274246	10.549
LOWER LIMIT	44971.5	5.044	77469	6.257	68561.5	9.549
EPA SAMPLE NO.						
SS-MW1-11.5ME	61392	5.54	119098	6.76	110366	10.05
VX0523MBL01	59074	5.54	117281	6.76	111918	10.05
VX0523MBS01	83340	5.54	146324	6.76	129426	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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VX046331.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:24

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

	IS4 AREA #	RT #				
12 HOUR STD	66629	12.018				
UPPER LIMIT	133258	12.518				
LOWER LIMIT	33314.5	11.518				
EPA SAMPLE NO.						
SS-MW1-11.5ME	48680	12.02				
VX0523MBL01	48375	12.02				
VX0523MBS01	63342	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022329.D Date Analyzed: 05/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	180374	7.71	298369	8.62	252391	11.41
UPPER LIMIT	360748	8.207	596738	9.116	504782	11.914
LOWER LIMIT	90187	7.207	149185	8.116	126196	10.914
EPA SAMPLE NO.						
SS-10	237248	7.71	425729	8.62	352723	11.41
SS-910	241551	7.71	430984	8.62	344445	11.41
SS-11	239791	7.71	432569	8.62	345893	11.41
SS-11MS	134739	7.71	248613	8.62	210937	11.41
SS-11MSD	117744	7.71	220285	8.62	197296	11.41
VY0520SBL01	253729	7.71	453295	8.62	355808	11.42
VY0520SBS01	162404	7.71	280923	8.62	236555	11.42

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: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022329.D Date Analyzed: 05/20/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	120747	13.346				
UPPER LIMIT	241494	13.846				
LOWER LIMIT	60373.5	12.846				
EPA SAMPLE NO.						
SS-10	138928	13.35				
SS-910	126954	13.35				
SS-11	130644	13.35				
SS-11MS	91777	13.35				
SS-11MSD	91227	13.35				
VY0520SBL01	124571	13.35				
VY0520SBS01	111469	13.35				

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: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022380.D Date Analyzed: 05/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	161495	7.72	274168	8.62	235238	11.42
UPPER LIMIT	322990	8.22	548336	9.122	470476	11.92
LOWER LIMIT	80747.5	7.22	137084	8.122	117619	10.92
EPA SAMPLE NO.						
SS-MW1-11.5	234597	7.72	407953	8.62	330547	11.42
VY0522SBL01	263712	7.72	465826	8.62	376365	11.42
VY0522SBS01	174604	7.72	293942	8.62	250842	11.42

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: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG NO.: Q2075

Lab File ID: VY022380.D Date Analyzed: 05/22/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	110586	13.353				
UPPER LIMIT	221172	13.853				
LOWER LIMIT	55293	12.853				
EPA SAMPLE NO.						
SS-MW1-11.5	155760	13.35				
VY0522SBL01	137350	13.35				
VY0522SBS01	118480	13.35				

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: **VY022343.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-10	SDG No.:	Q2075
Lab Sample ID:	Q2075-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	79.8
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022343.D	1		05/20/25 15:22	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	4.00	U	0.64	4.00	ug/Kg
108-88-3	Toluene	4.00	U	0.63	4.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.54	4.00	ug/Kg
1330-20-7	Total Xylenes	93.8		1.66	12.1	ug/Kg
98-82-8	Isopropylbenzene	5.70		0.63	4.00	ug/Kg
103-65-1	n-propylbenzene	13.1		0.59	4.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	23.4		0.66	4.00	ug/Kg
98-06-6	tert-Butylbenzene	4.00	U	0.54	4.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	90.2		0.52	4.00	ug/Kg
135-98-8	sec-Butylbenzene	3.50	J	0.53	4.00	ug/Kg
99-87-6	p-Isopropyltoluene	2.10	J	0.50	4.00	ug/Kg
104-51-8	n-Butylbenzene	3.70	J	1.20	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		38 - 136	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	237000	7.707			
540-36-3	1,4-Difluorobenzene	426000	8.616			
3114-55-4	Chlorobenzene-d5	353000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.346			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022343.D
Acq On : 20 May 2025 15:22
Operator : SY/MD
Sample : Q2075-01
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Quant Time: May 21 01:50:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

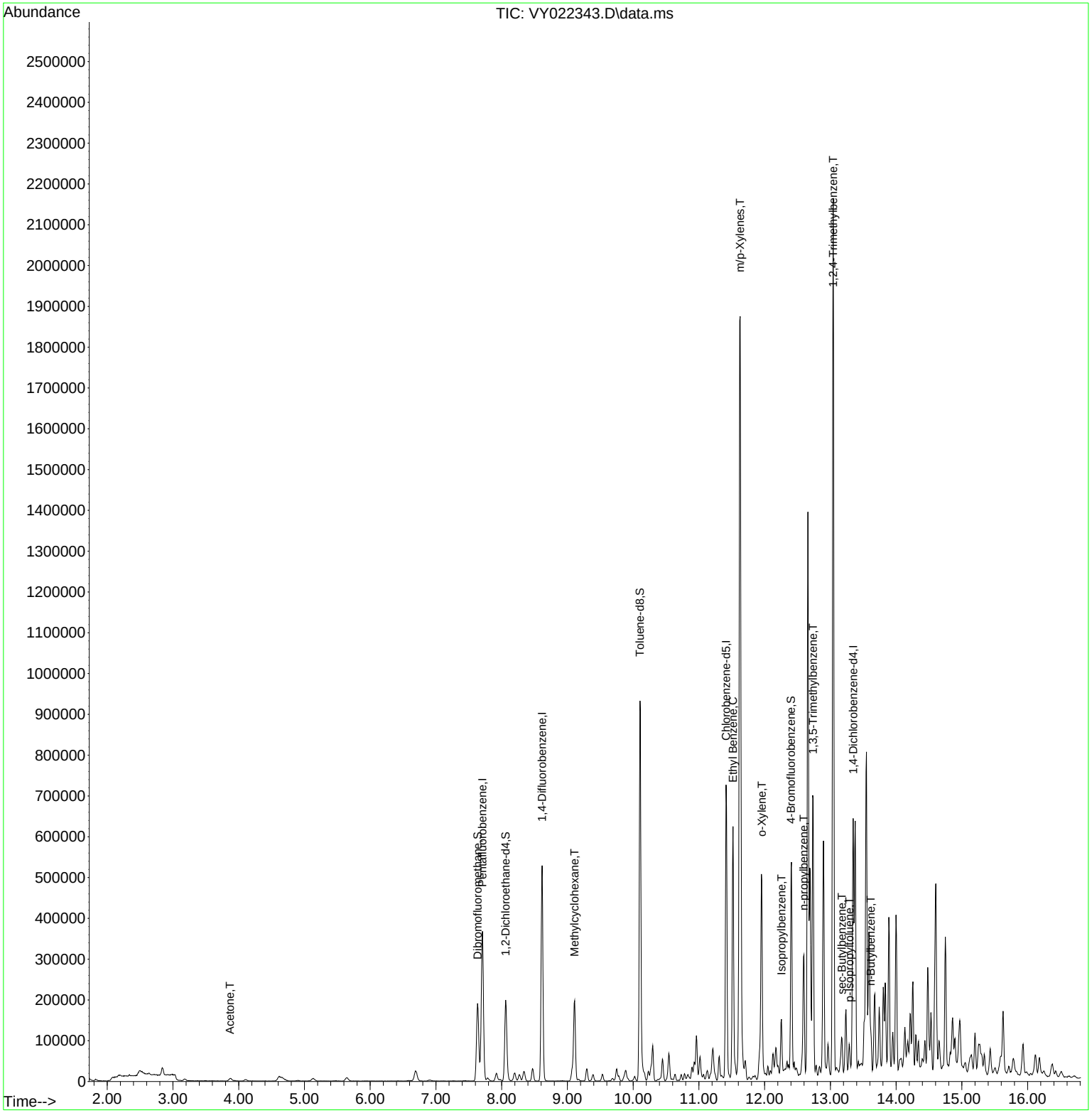
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	237248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	352723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	138286	53.333	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.660%			
35) Dibromofluoromethane	7.634	113	131771	51.858	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.720%			
50) Toluene-d8	10.103	98	527709	50.708	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.401	95	141599	42.927	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.860%			
Target Compounds						Qvalue
16) Acetone	3.866	43	12110	24.908	ug/l	93
39) Methylcyclohexane	9.109	83	83214	14.799	ug/l	98
67) Ethyl Benzene	11.517	91	389483	26.134	ug/l	99
68) m/p-Xylenes	11.627	106	524191	93.342	ug/l	99
69) o-Xylene	11.956	106	120547	22.688	ug/l	96
73) Isopropylbenzene	12.255	105	81195	7.055	ug/l	99
78) n-propylbenzene	12.597	91	224654	16.182	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	268724	28.923	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1029267	111.599	ug/l	98
85) sec-Butylbenzene	13.176	105	52433	4.277	ug/l	87
86) p-Isopropyltoluene	13.292	119	27391	2.657	ug/l	97
89) n-Butylbenzene	13.615	91	44165	4.528	ug/l #	78

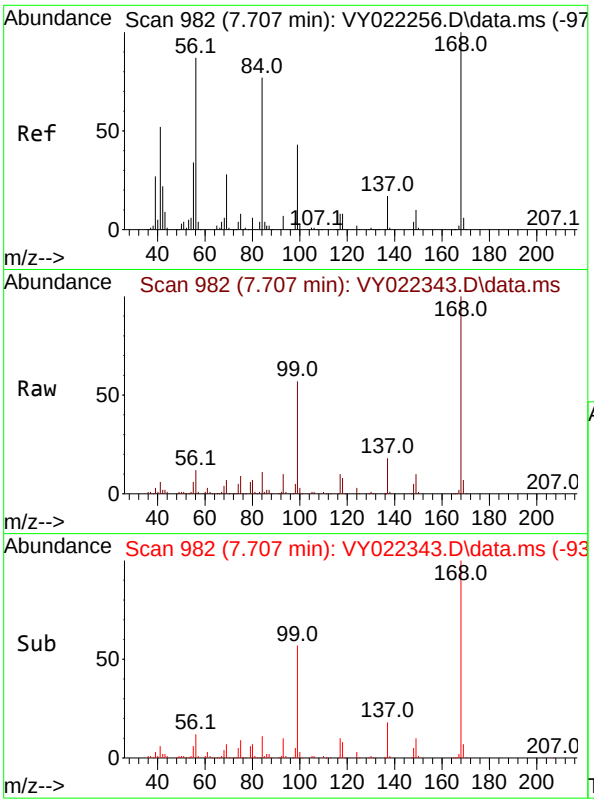
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022343.D
Acq On : 20 May 2025 15:22
Operator : SY/MD
Sample : Q2075-01
Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Quant Time: May 21 01:50:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



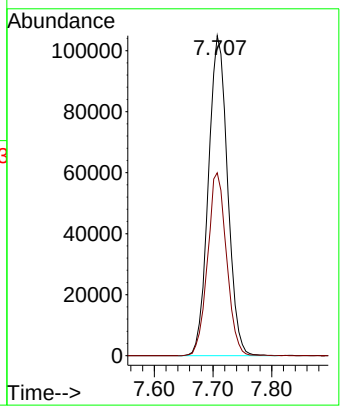


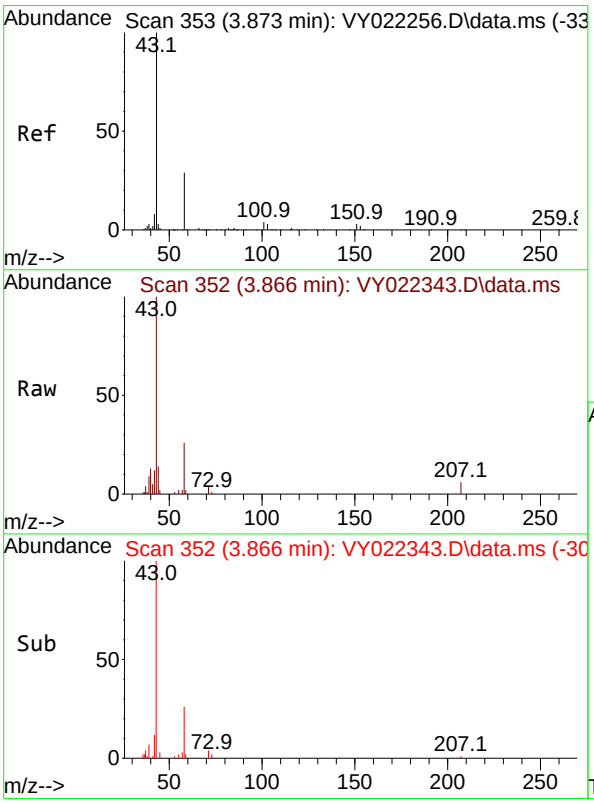
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:168 Resp: 237248

Ion	Ratio	Lower	Upper
168	100		
99	57.2	44.2	66.4

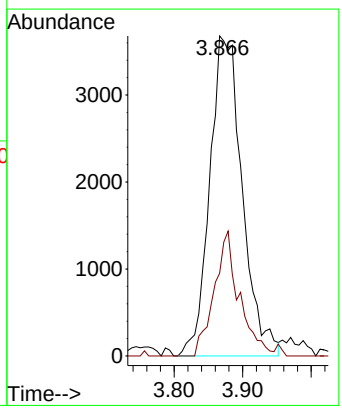


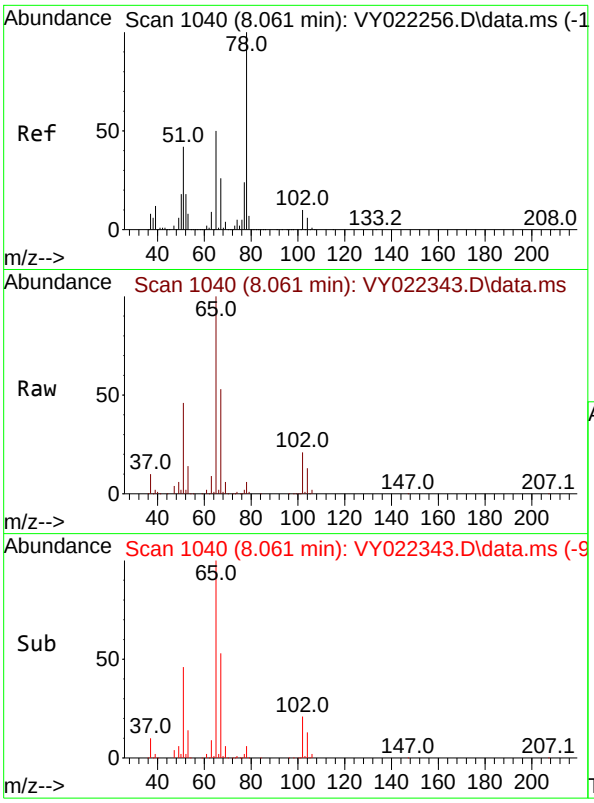


#16
Acetone
Concen: 24.908 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 43 Resp: 12110

Ion	Ratio	Lower	Upper
43	100		
58	25.9	23.6	35.4



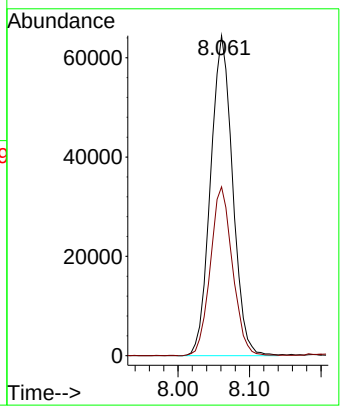


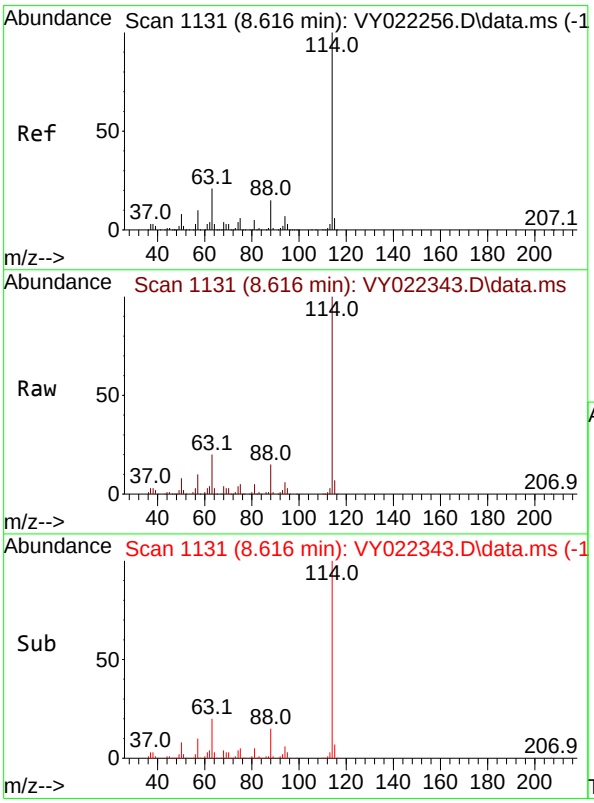
#33
1,2-Dichloroethane-d4
Concen: 53.333 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion: 65 Resp: 138286

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

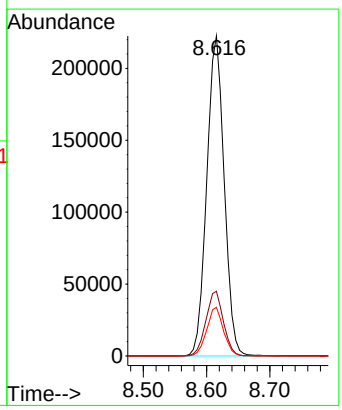


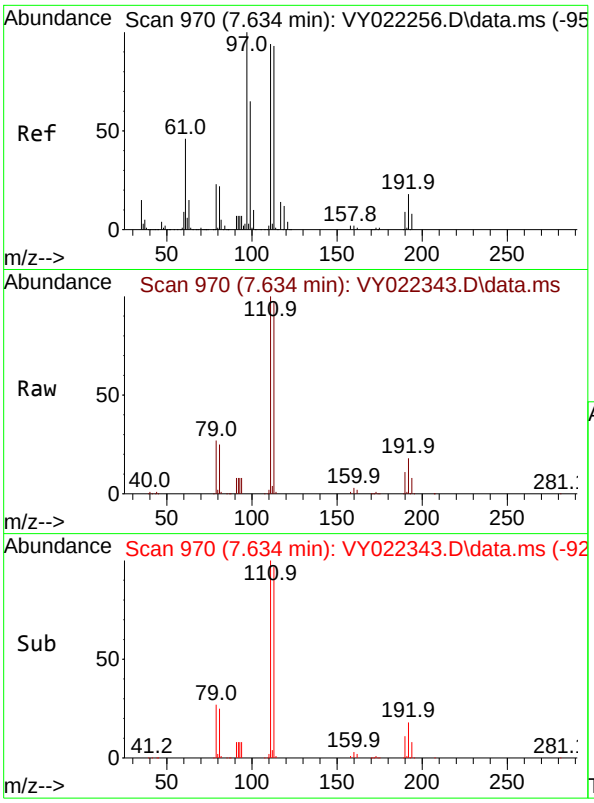


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion:114 Resp: 425729

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.0
88	15.2	0.0	29.4



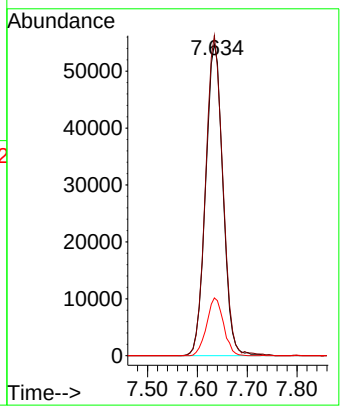


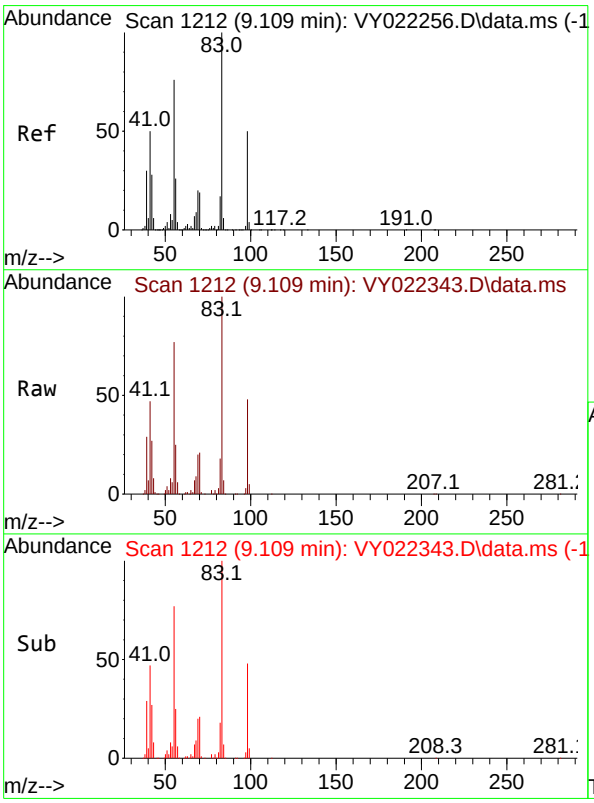
#35
Dibromofluoromethane
Concen: 51.858 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:113 Resp: 131771

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	18.1	15.2	22.8

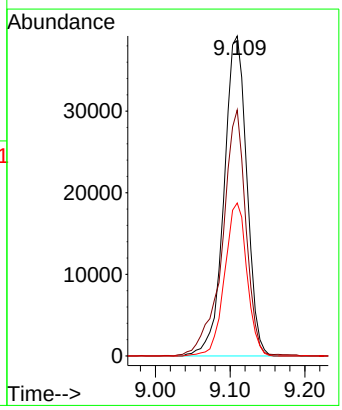


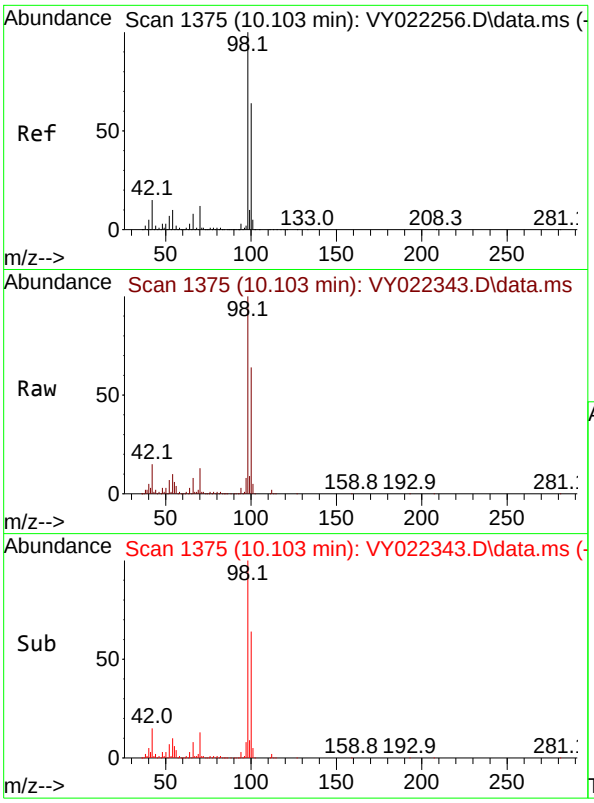


#39
Methylcyclohexane
Concen: 14.799 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 83 Resp: 83214

Ion	Ratio	Lower	Upper
83	100		
55	76.5	60.6	90.8
98	47.8	40.0	60.0



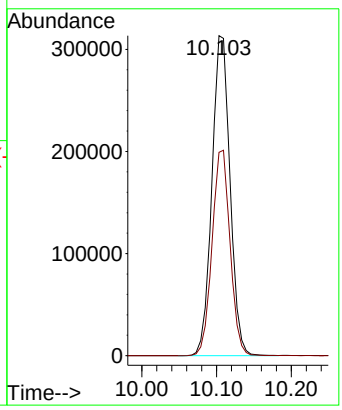


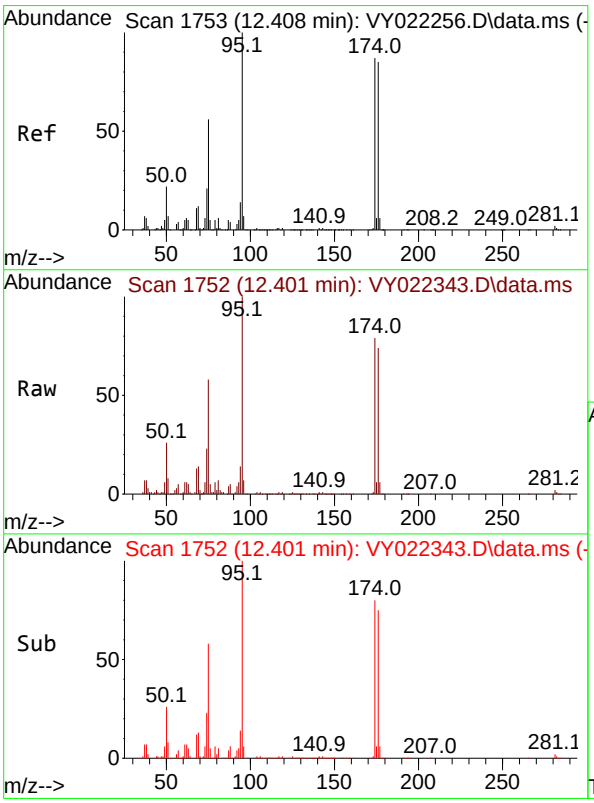
#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion: 98 Resp: 527709

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8

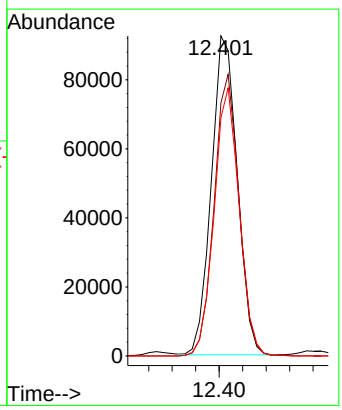


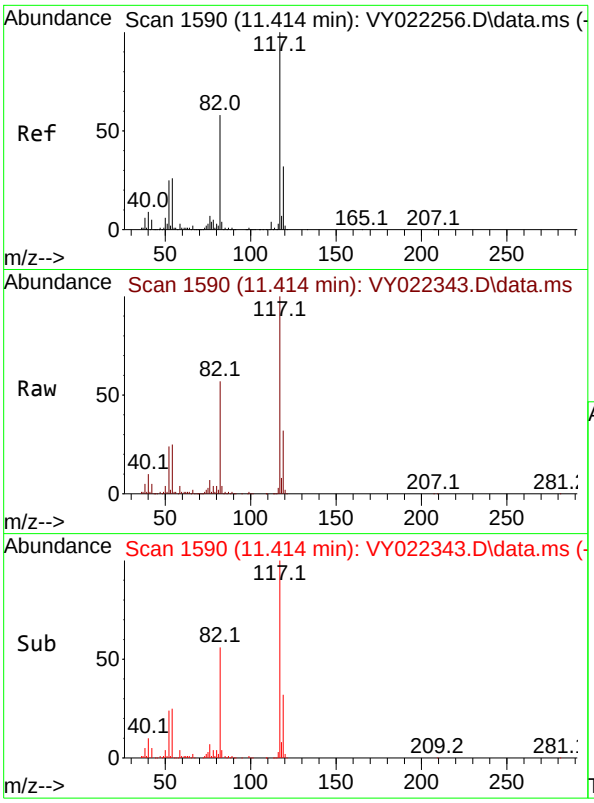


#62
4-Bromofluorobenzene
Concen: 42.927 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 95 Resp: 141599

Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	166.8
176	81.5	0.0	160.8



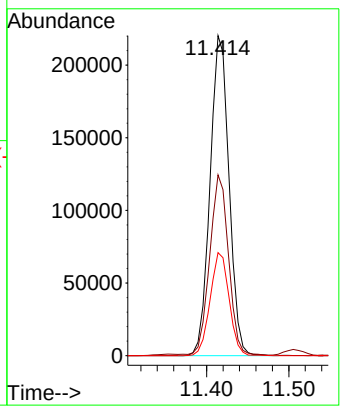


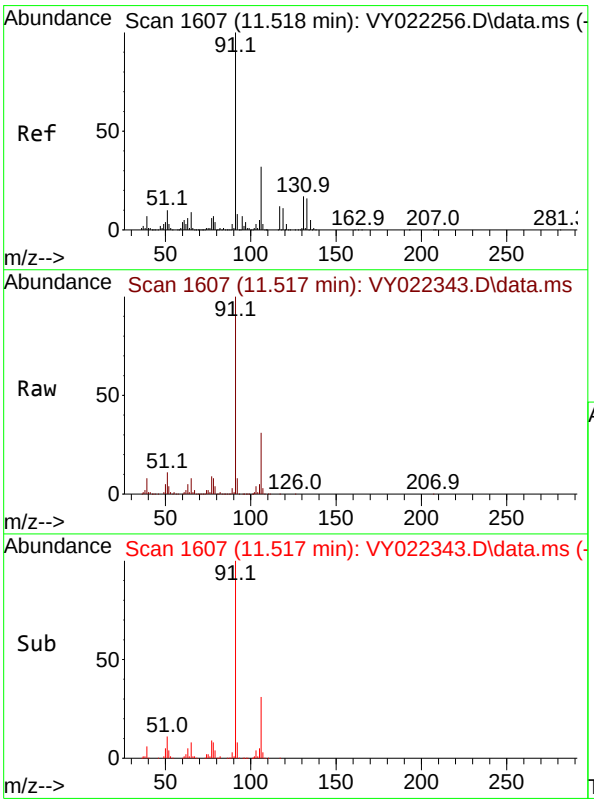
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:117 Resp: 352723

Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.6	70.0
119	32.2	25.8	38.6

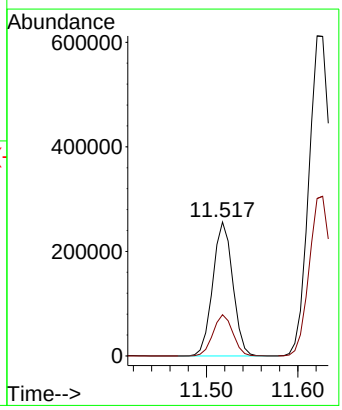


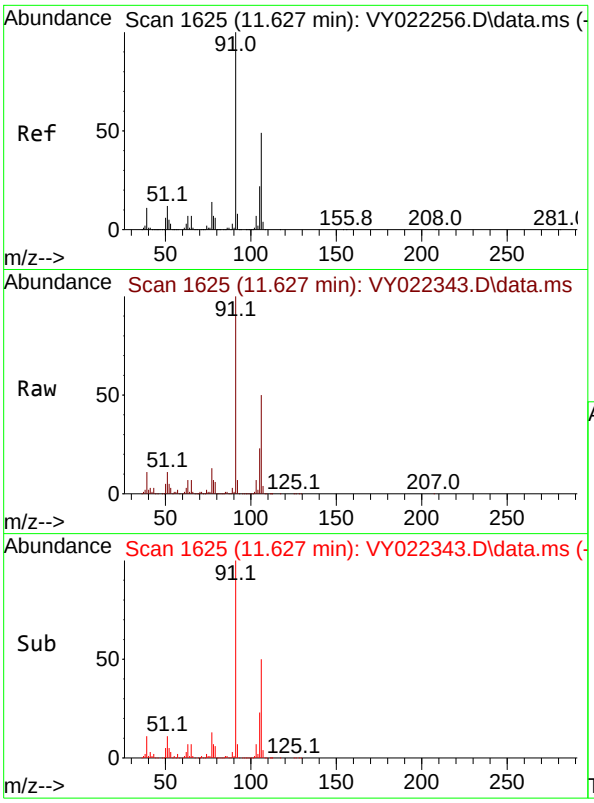


#67
Ethyl Benzene
Concen: 26.134 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 91 Resp: 389483

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.0



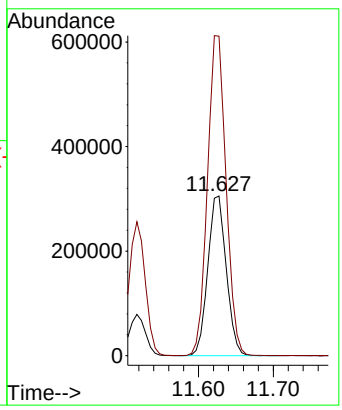


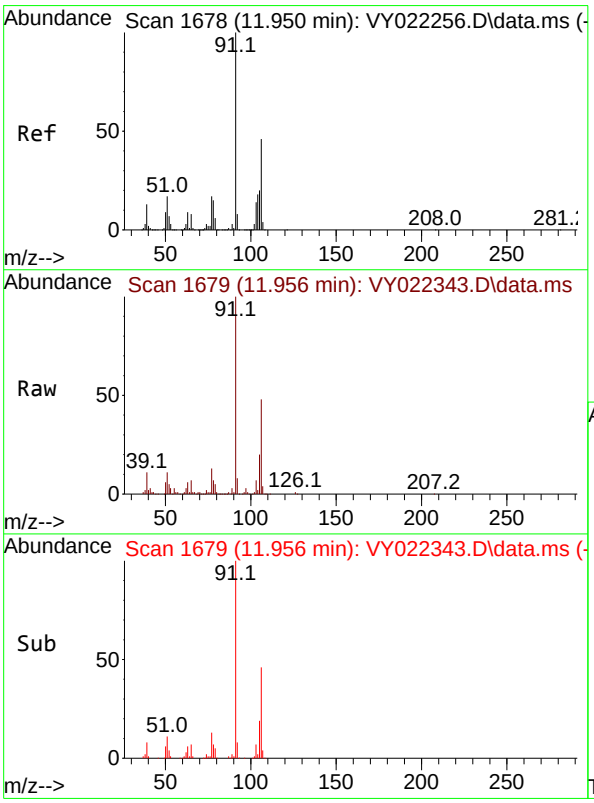
#68
m/p-Xylenes
Concen: 93.342 ug/l
RT: 11.627 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:106 Resp: 524191

Ion	Ratio	Lower	Upper
106	100		
91	201.5	163.0	244.4

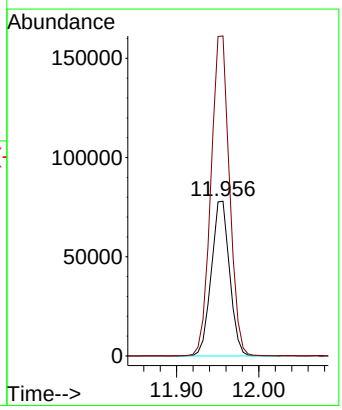


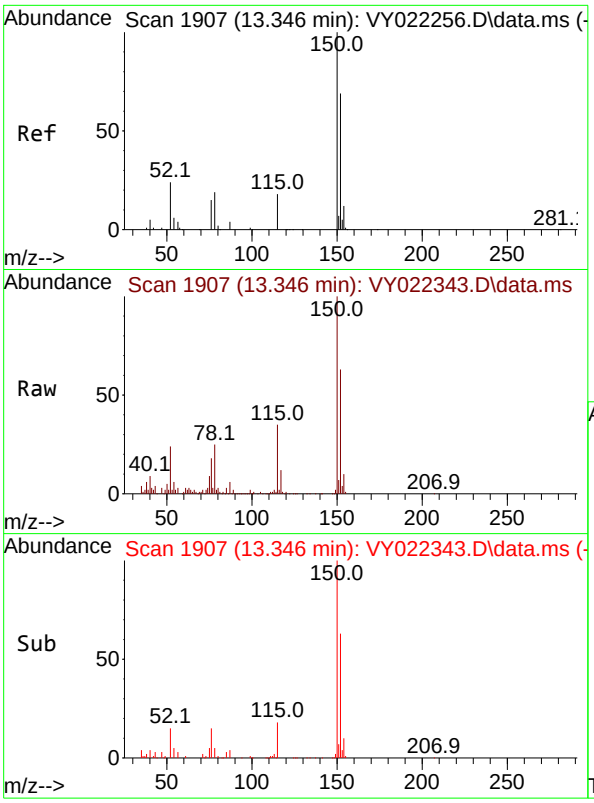


#69
o-Xylene
Concen: 22.688 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion:106 Resp: 120547

Ion	Ratio	Lower	Upper
106	100		
91	209.9	108.3	324.8



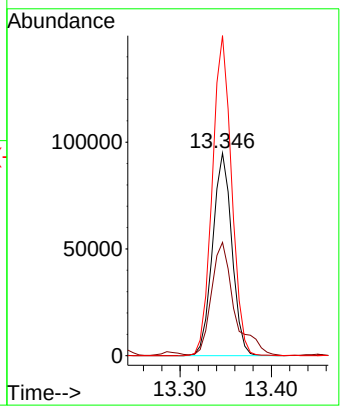


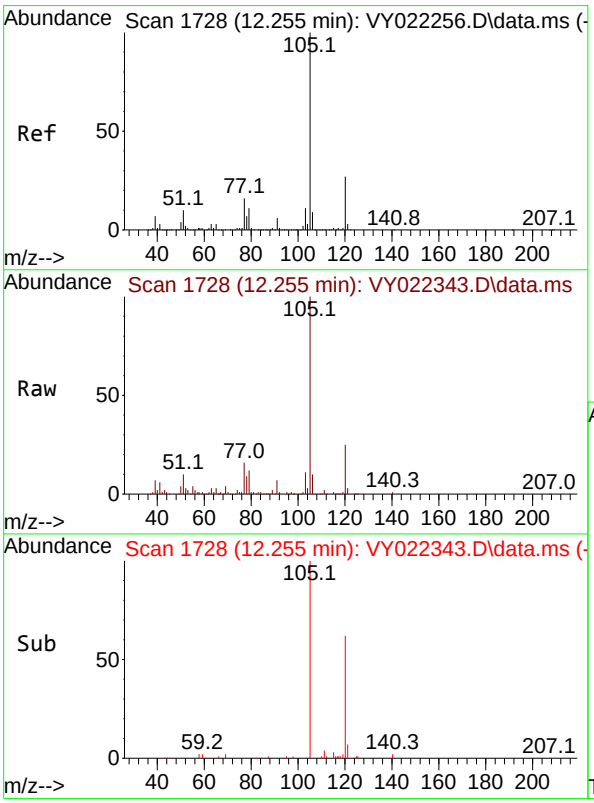
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:152 Resp: 138928

Ion	Ratio	Lower	Upper
152	100		
115	66.2	29.4	88.2
150	158.3	0.0	353.8

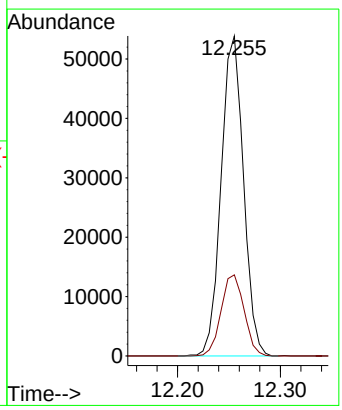


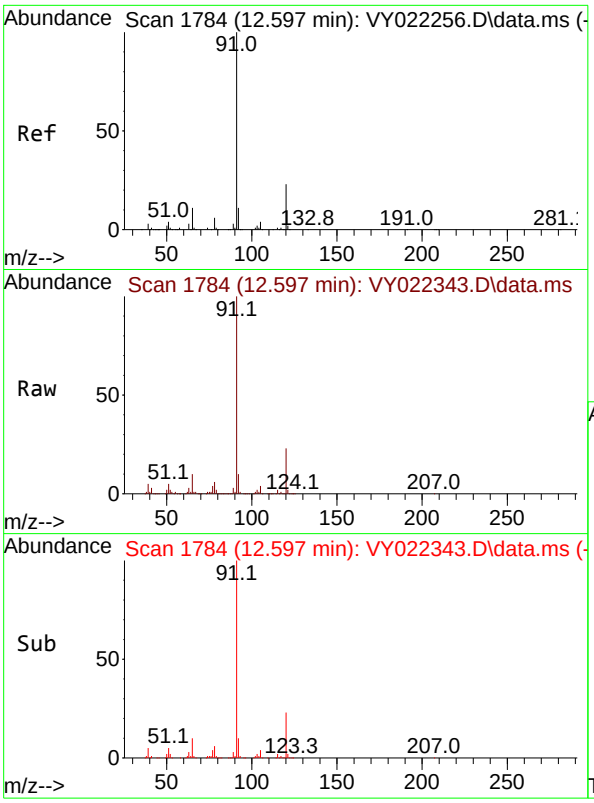


#73
Isopropylbenzene
Concen: 7.055 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion:105 Resp: 81195

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6



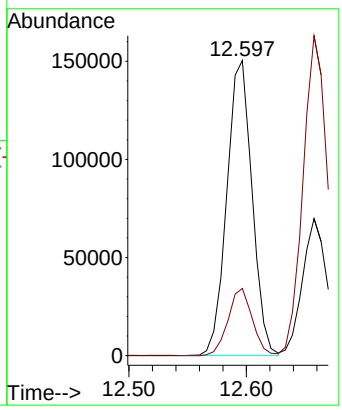


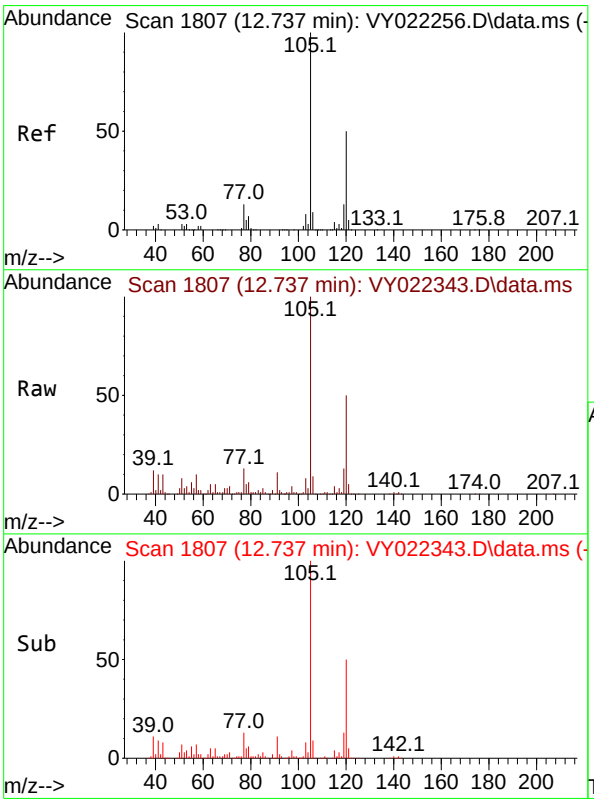
#78
n-propylbenzene
Concen: 16.182 ug/l
RT: 12.597 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion: 91 Resp: 224654

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3

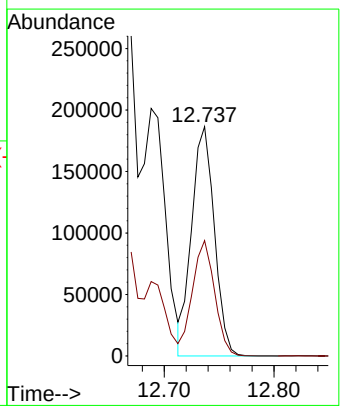


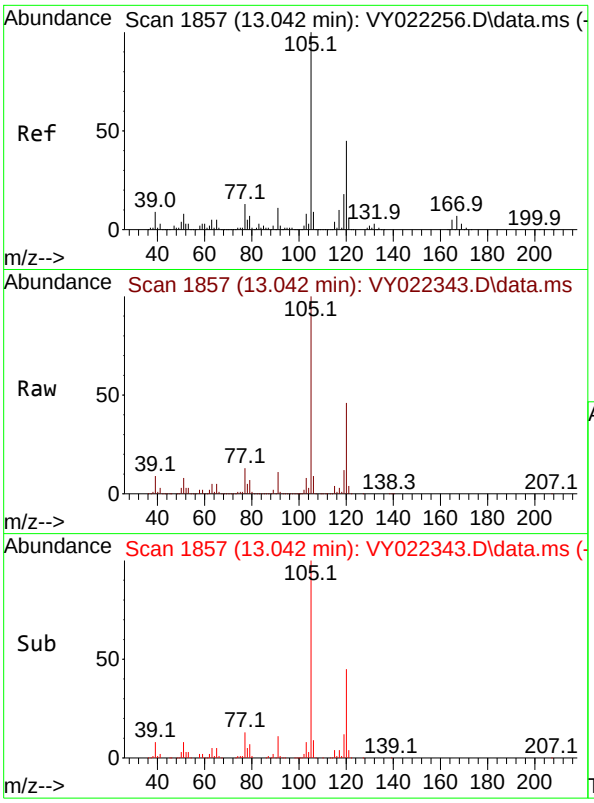


#80
1,3,5-Trimethylbenzene
Concen: 28.923 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion:105 Resp: 268724

Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.2	72.6



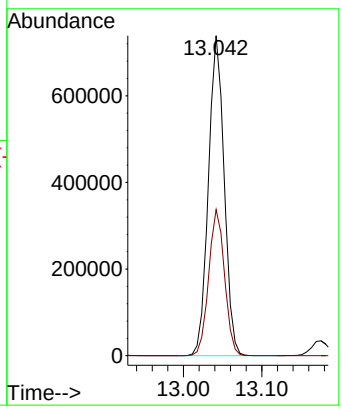


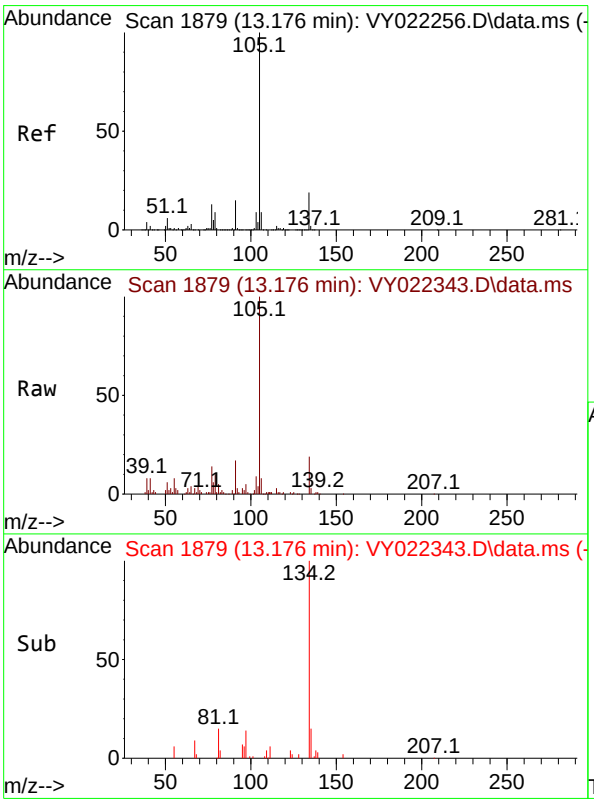
#84
1,2,4-Trimethylbenzene
Concen: 111.599 ug/l
RT: 13.042 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:105 Resp: 1029267

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9

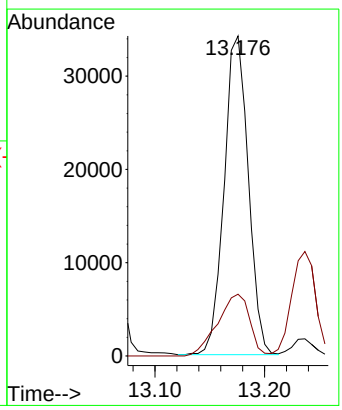


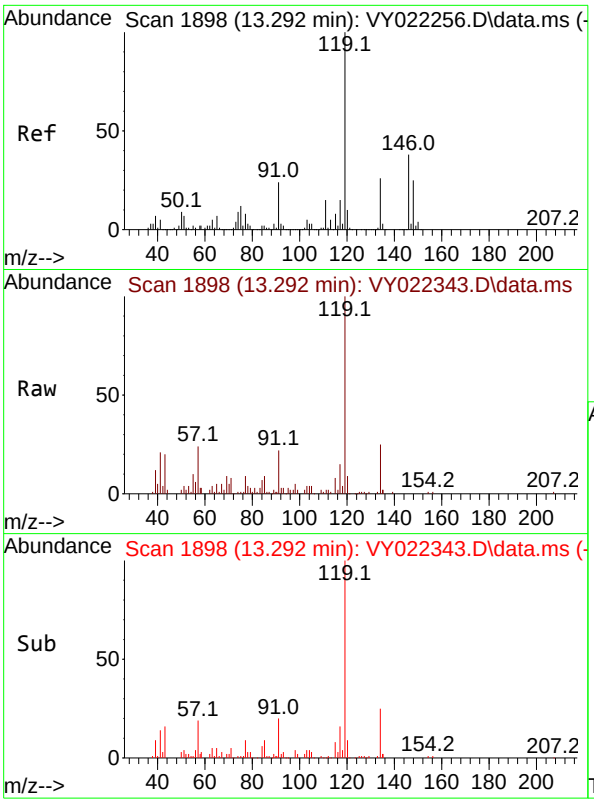


#85
sec-Butylbenzene
Concen: 4.277 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion:105 Resp: 52433

Ion	Ratio	Lower	Upper
105	100		
134	25.7	9.8	29.5



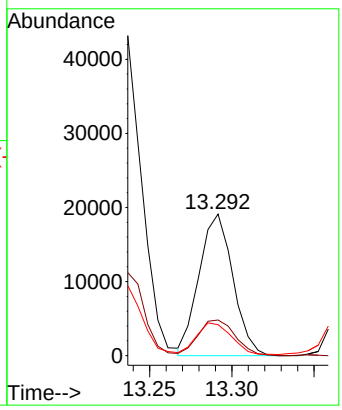


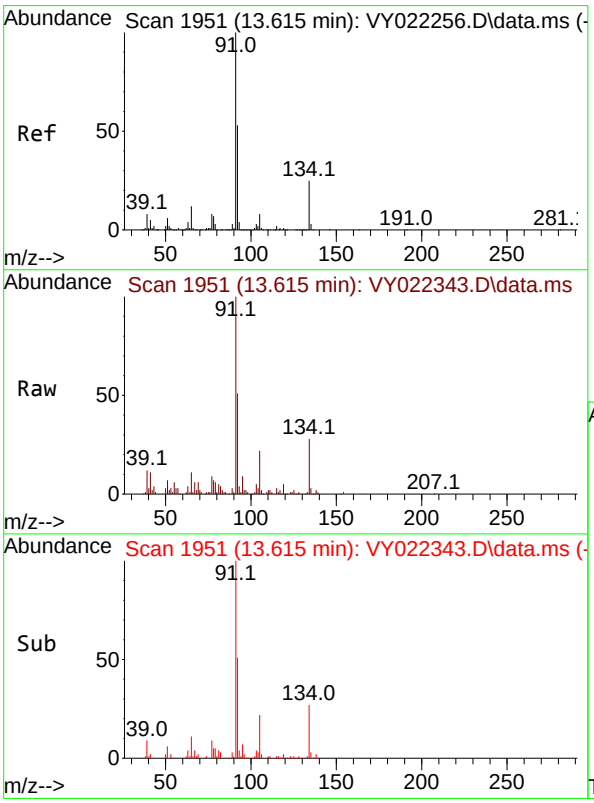
#86
p-Isopropyltoluene
Concen: 2.657 ug/l
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Instrument :
MSVOA_Y
ClientSampleId :
SS-10

Tgt Ion:119 Resp: 27391

Ion	Ratio	Lower	Upper
119	100		
134	27.7	12.9	38.6
91	22.9	12.1	36.3

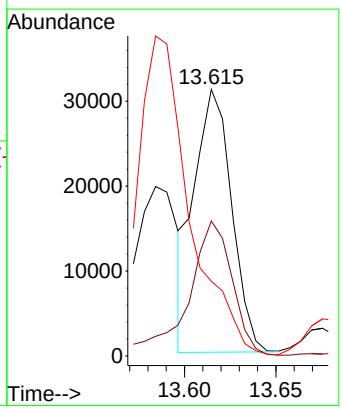




#89
n-Butylbenzene
Concen: 4.528 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY022343.D
Acq: 20 May 2025 15:22

Tgt Ion: 91 Resp: 44165

Ion	Ratio	Lower	Upper
91	100		
92	58.4	26.3	78.9
134	0.0	12.4	37.4#



Raw Data: **VY022344.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-910	SDG No.:	Q2075
Lab Sample ID:	Q2075-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	8.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022344.D	1		05/20/25 15:45	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	3.80	U	0.61	3.80	ug/Kg
108-88-3	Toluene	3.80	U	0.60	3.80	ug/Kg
100-41-4	Ethyl Benzene	5.40		0.51	3.80	ug/Kg
1330-20-7	Total Xylenes	26.5		1.58	11.5	ug/Kg
98-82-8	Isopropylbenzene	2.10	J	0.60	3.80	ug/Kg
103-65-1	n-propylbenzene	5.00		0.56	3.80	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.10		0.63	3.80	ug/Kg
98-06-6	tert-Butylbenzene	3.80	U	0.51	3.80	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	32.9		0.49	3.80	ug/Kg
135-98-8	sec-Butylbenzene	1.50	J	0.51	3.80	ug/Kg
99-87-6	p-Isopropyltoluene	0.99	J	0.48	3.80	ug/Kg
104-51-8	n-Butylbenzene	1.70	J	1.10	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		38 - 136	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	242000	7.707			
540-36-3	1,4-Difluorobenzene	431000	8.616			
3114-55-4	Chlorobenzene-d5	344000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.347			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022344.D
Acq On : 20 May 2025 15:45
Operator : SY/MD
Sample : Q2075-02
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Quant Time: May 21 01:50:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

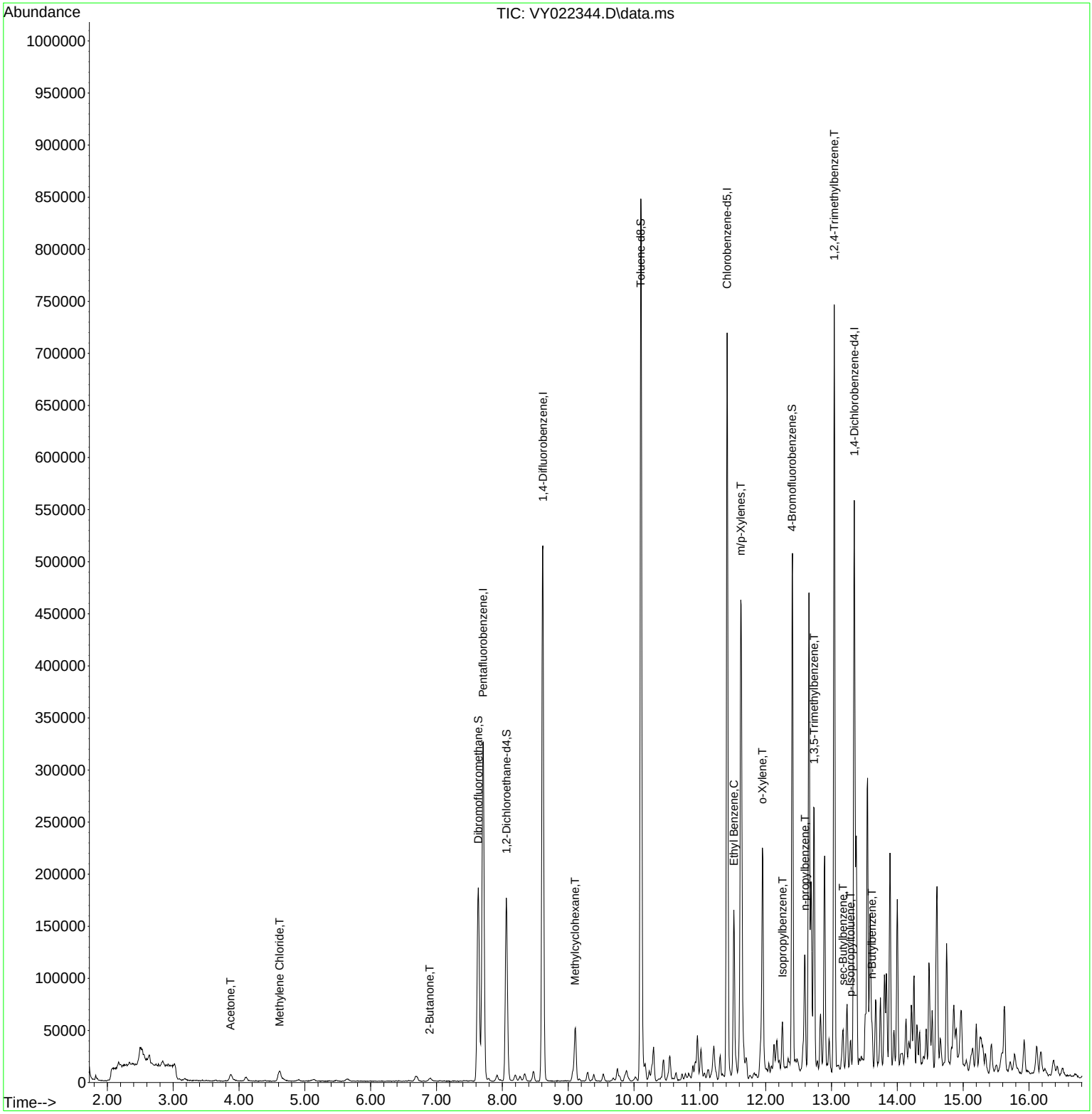
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	430984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	344445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	126954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128674	48.742	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.480%		
35) Dibromofluoromethane	7.634	113	127466	49.552	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.100%		
50) Toluene-d8	10.103	98	512727	48.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.340%		
62) 4-Bromofluorobenzene	12.402	95	133041	39.841	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.680%		
Target Compounds						Qvalue
16) Acetone	3.873	43	11631	23.497	ug/l	92
20) Methylene Chloride	4.616	84	6624	2.071	ug/l #	81
25) 2-Butanone	6.896	43	4548	5.493	ug/l	99
39) Methylcyclohexane	9.103	83	21570	3.789	ug/l	97
67) Ethyl Benzene	11.518	91	102927	7.072	ug/l	95
68) m/p-Xylenes	11.621	106	133393	24.324	ug/l	97
69) o-Xylene	11.950	106	53096	10.233	ug/l	97
73) Isopropylbenzene	12.255	105	28275	2.688	ug/l	100
78) n-propylbenzene	12.597	91	83294	6.566	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	100815	11.874	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	361565	42.901	ug/l	98
85) sec-Butylbenzene	13.176	105	22583	2.016	ug/l	87
86) p-Isopropyltoluene	13.292	119	12154	1.290	ug/l	99
89) n-Butylbenzene	13.615	91	19377	2.174	ug/l #	80

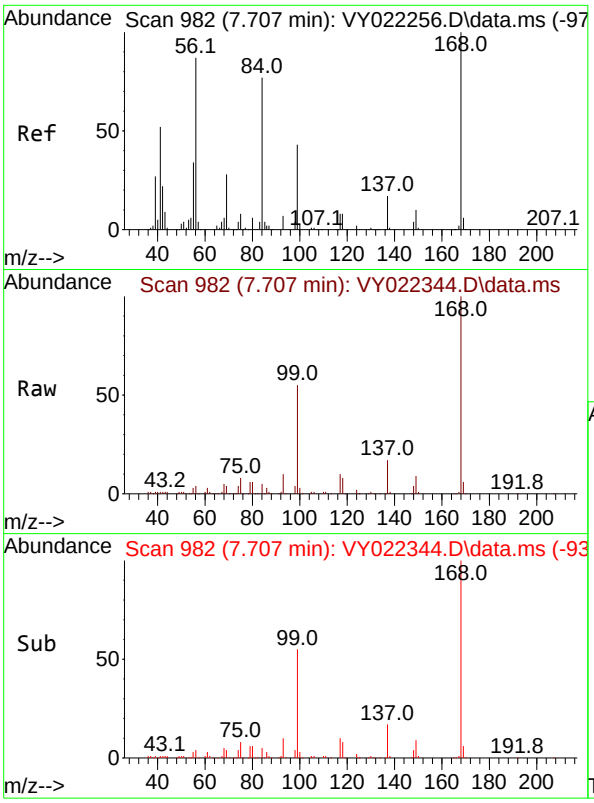
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022344.D
Acq On : 20 May 2025 15:45
Operator : SY/MD
Sample : Q2075-02
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Quant Time: May 21 01:50:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



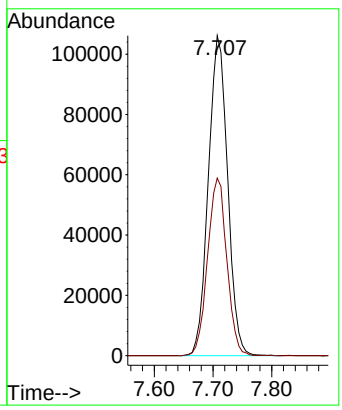


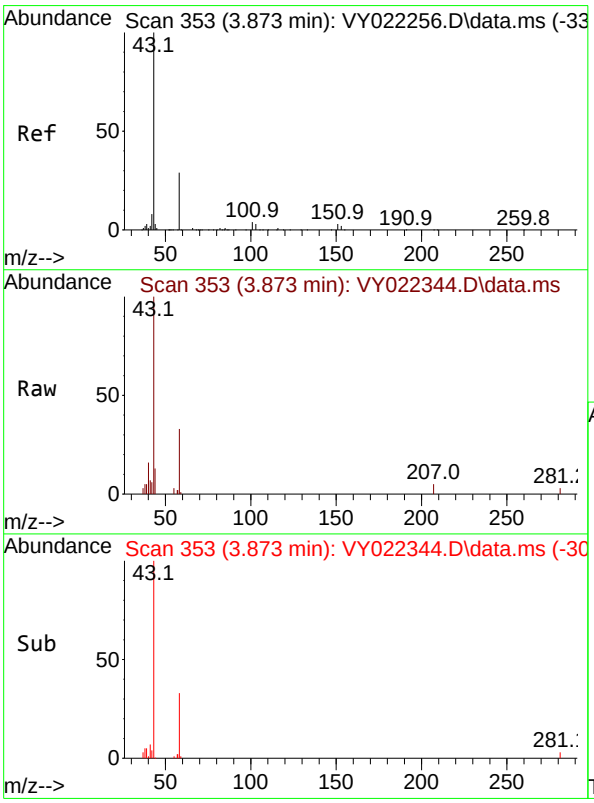
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:168 Resp: 241551

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.2	66.4

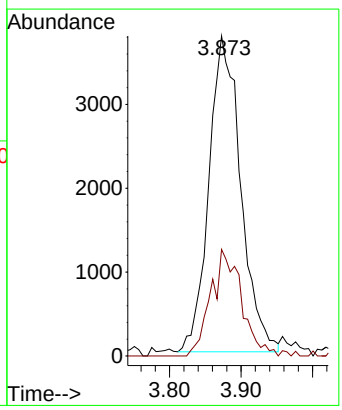


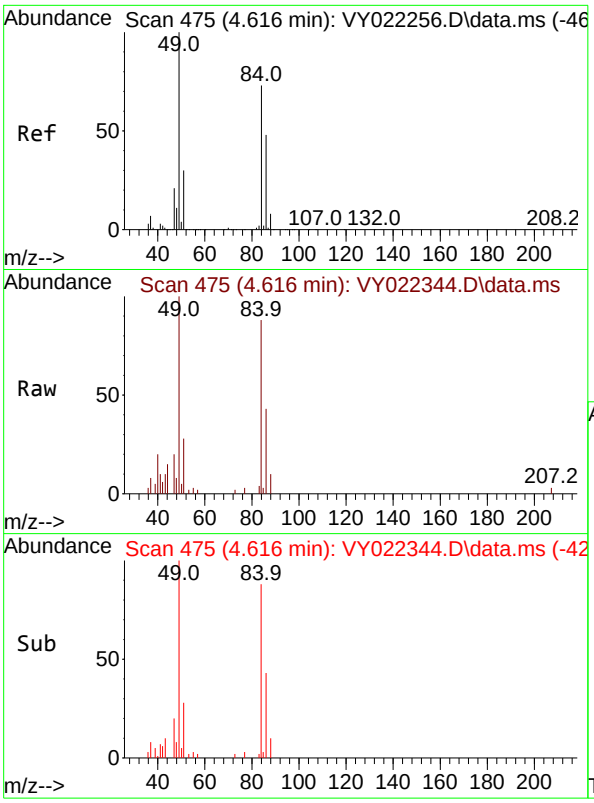


#16
Acetone
Concen: 23.497 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 43 Resp: 11631

Ion	Ratio	Lower	Upper
43	100		
58	33.8	23.6	35.4



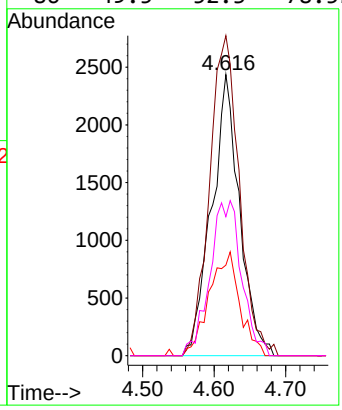


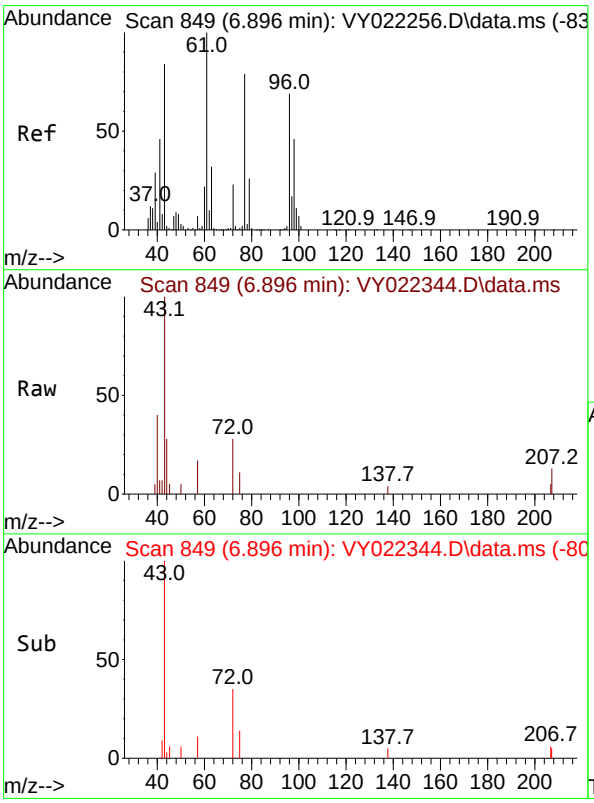
#20
Methylene Chloride
Concen: 2.071 ug/l
RT: 4.616 min Scan# 4
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion: 84 Resp: 6624

Ion	Ratio	Lower	Upper
84	100		
49	113.8	109.6	164.4
51	32.2	32.4	48.6#
86	49.5	52.3	78.5#

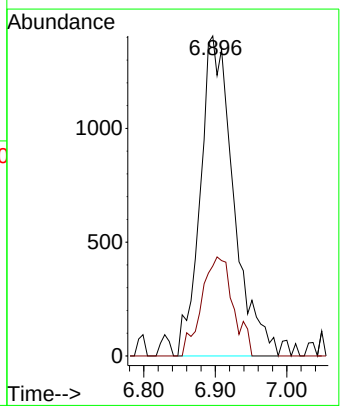


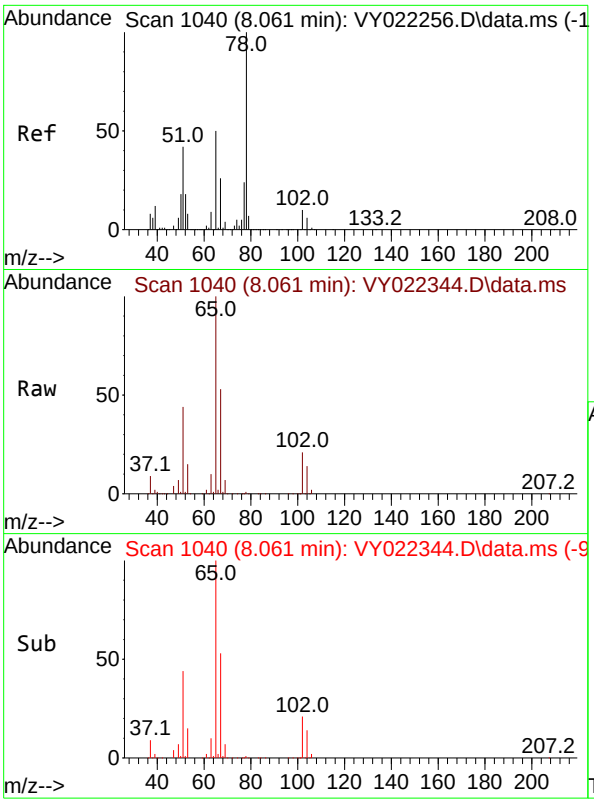


#25
2-Butanone
Concen: 5.493 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 43 Resp: 4548

Ion	Ratio	Lower	Upper
43	100		
72	28.1	22.1	33.1



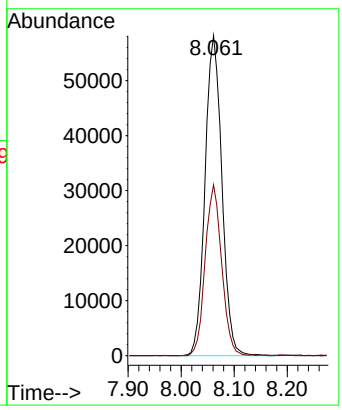


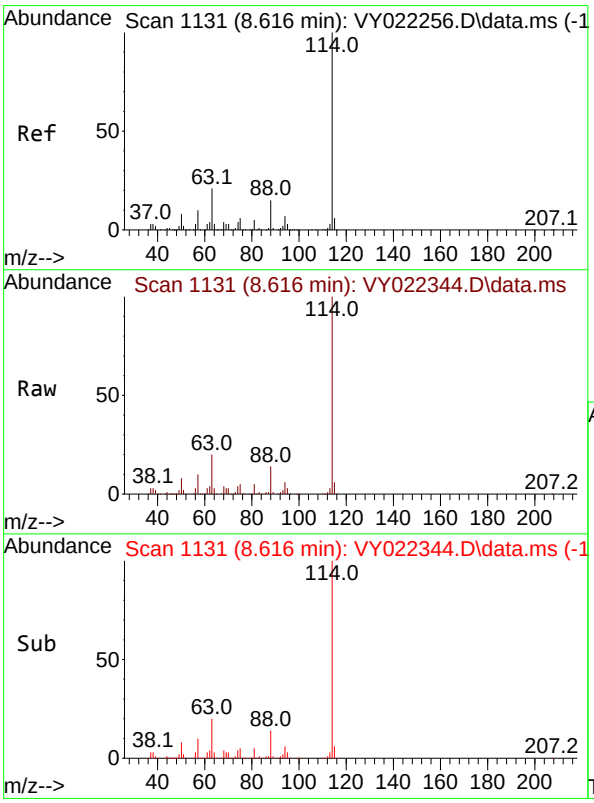
#33
1,2-Dichloroethane-d4
Concen: 48.742 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion: 65 Resp: 128674

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6

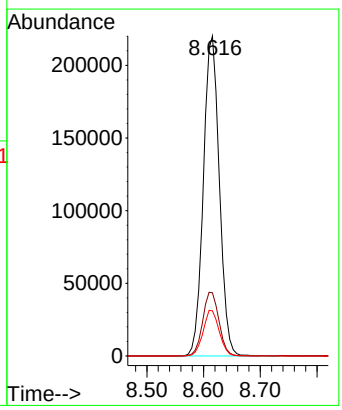


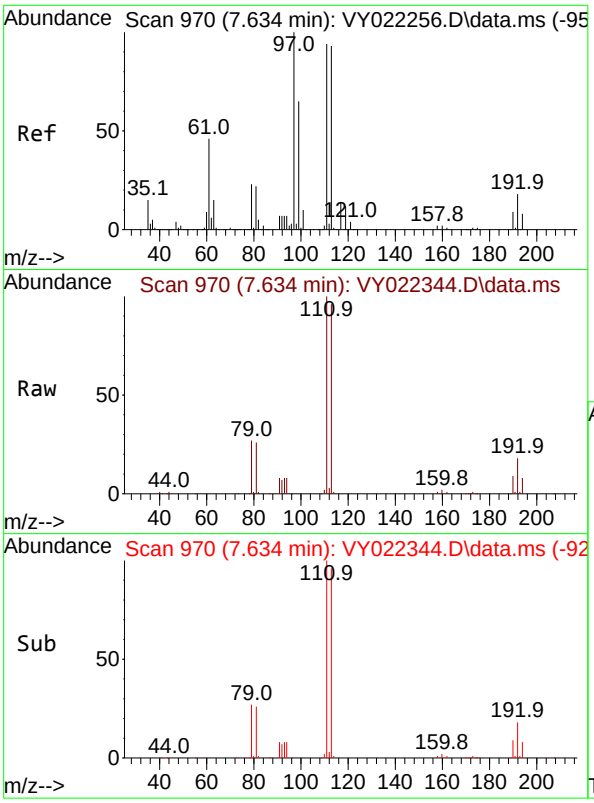


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:114 Resp: 430984

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.0
88	14.1	0.0	29.4



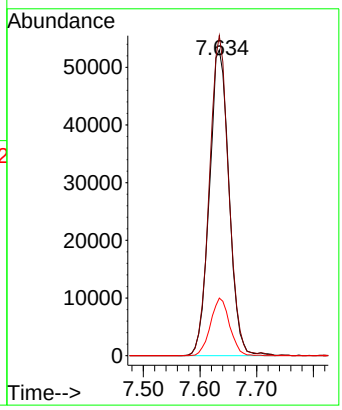


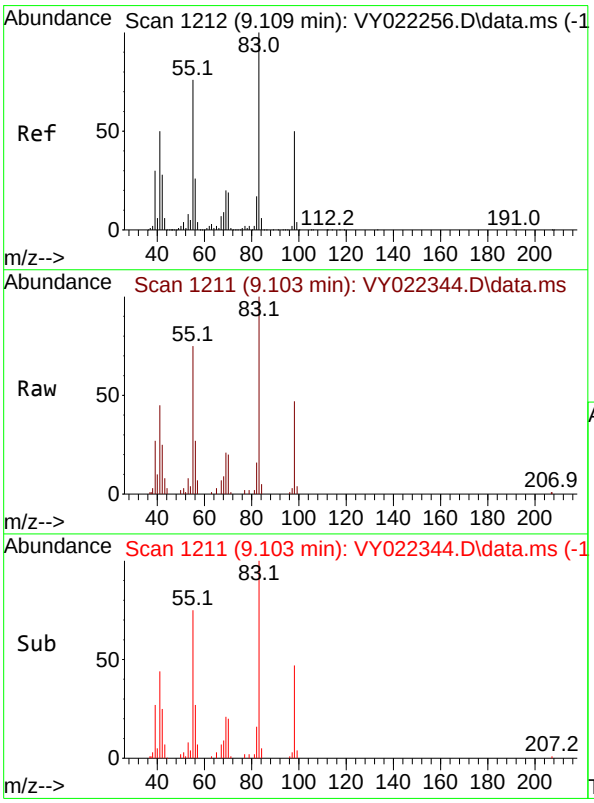
#35
Dibromofluoromethane
Concen: 49.552 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:113 Resp: 127466

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	18.4	15.2	22.8

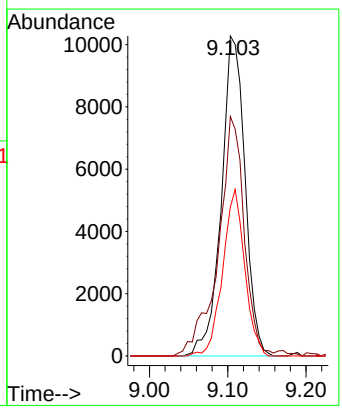


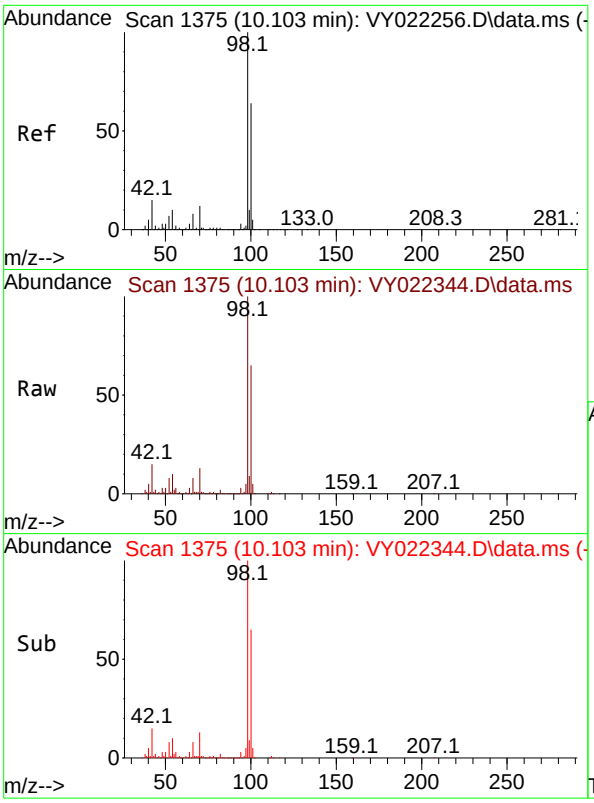


#39
Methylcyclohexane
Concen: 3.789 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 83 Resp: 21570

Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.6	90.8
98	46.6	40.0	60.0



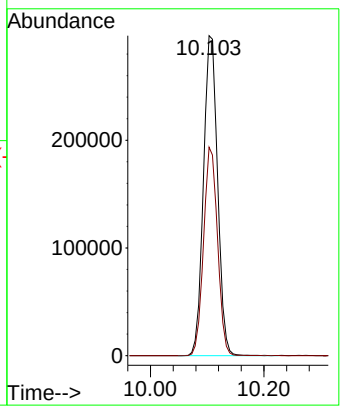


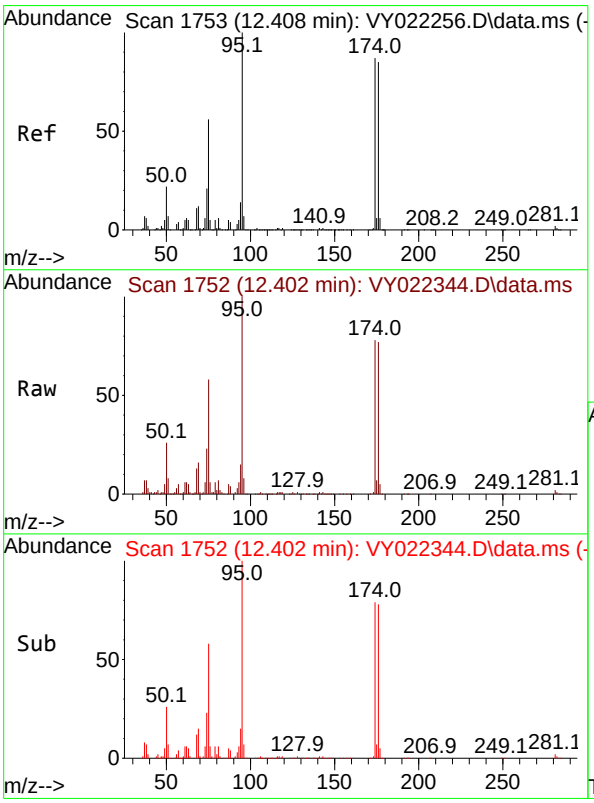
#50
Toluene-d8
Concen: 48.668 ug/l
RT: 10.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion: 98 Resp: 512727

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8

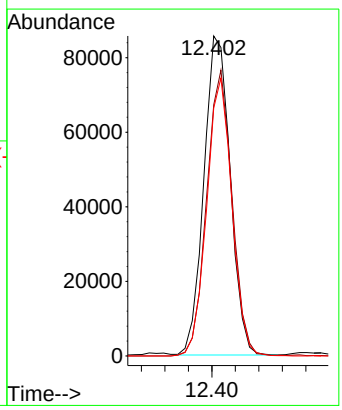


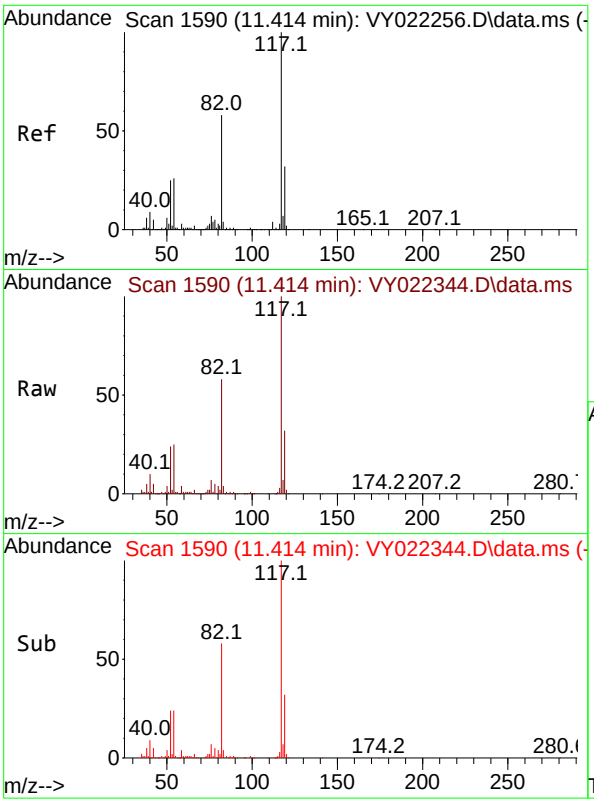


#62
4-Bromofluorobenzene
Concen: 39.841 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 95 Resp: 133041

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	166.8
176	83.5	0.0	160.8



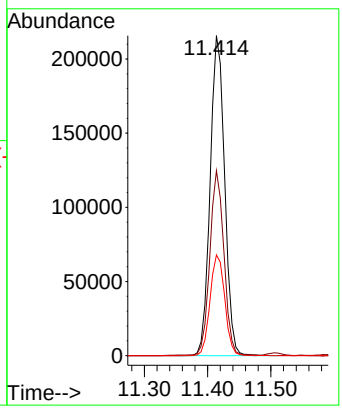


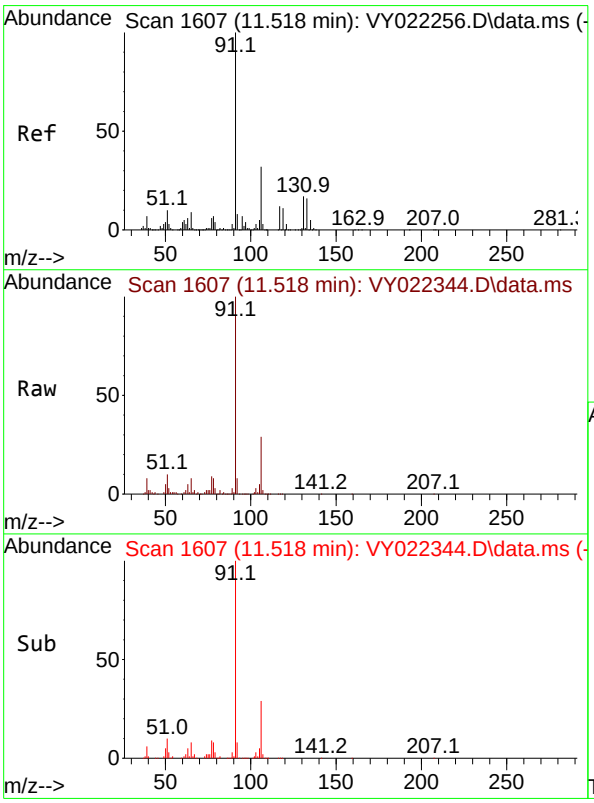
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:117 Resp: 344445

Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.6	70.0
119	31.5	25.8	38.6

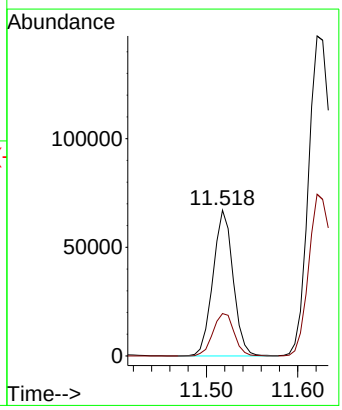


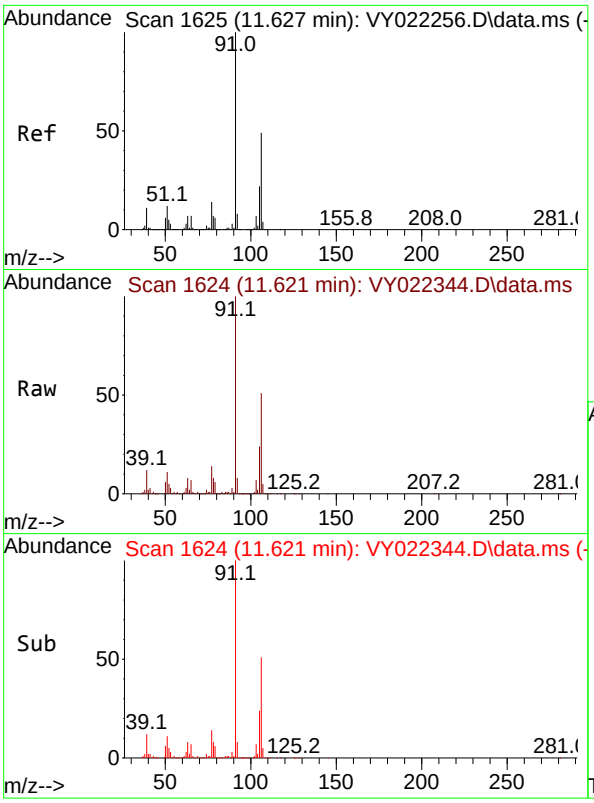


#67
Ethyl Benzene
Concen: 7.072 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 91 Resp: 102927

Ion	Ratio	Lower	Upper
91	100		
106	29.1	25.4	38.0



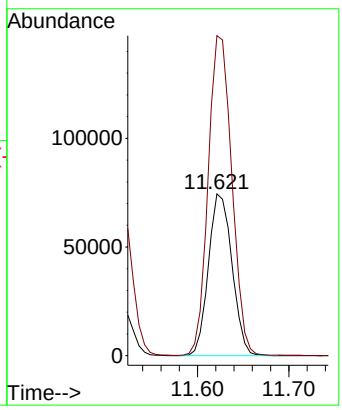


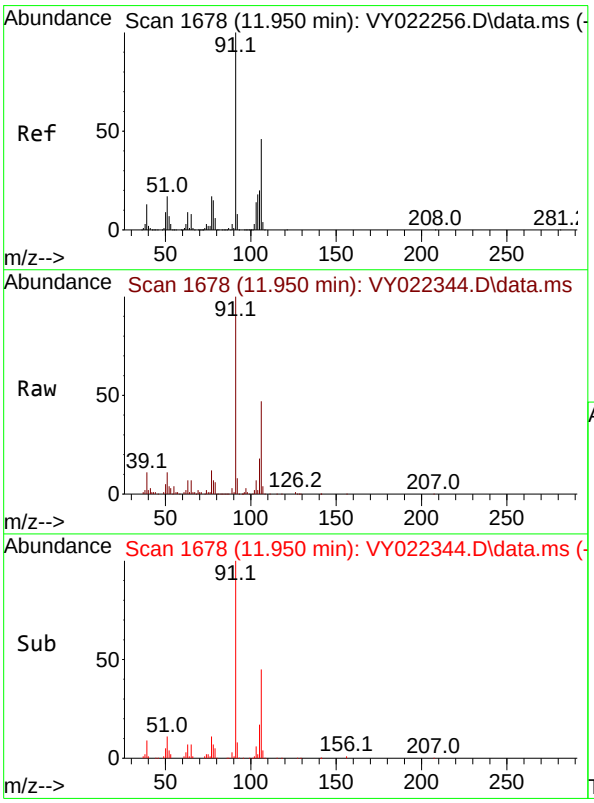
#68
m/p-Xylenes
Concen: 24.324 ug/l
RT: 11.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:106 Resp: 133393

Ion	Ratio	Lower	Upper
106	100		
91	199.0	163.0	244.4

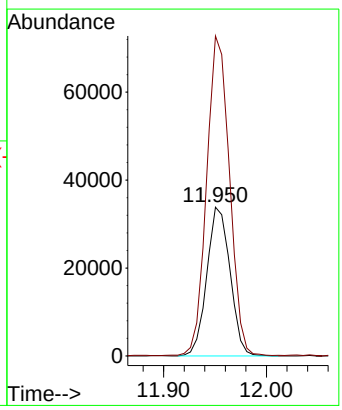


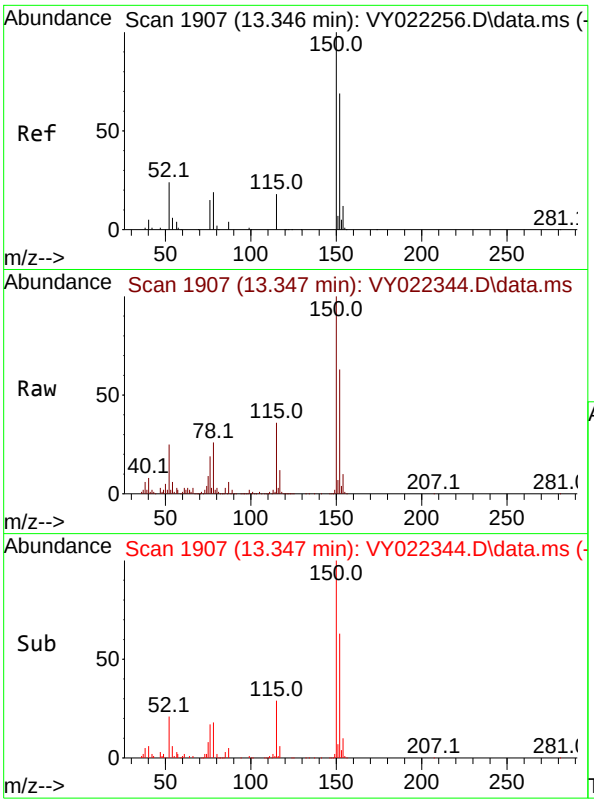


#69
o-Xylene
Concen: 10.233 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:106 Resp: 53096

Ion	Ratio	Lower	Upper
106	100		
91	212.1	108.3	324.8



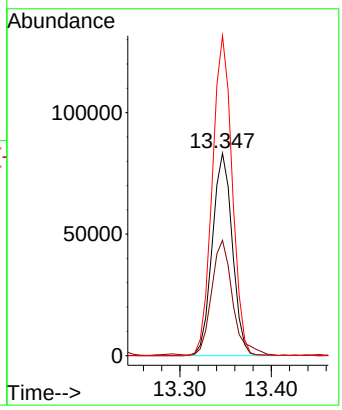


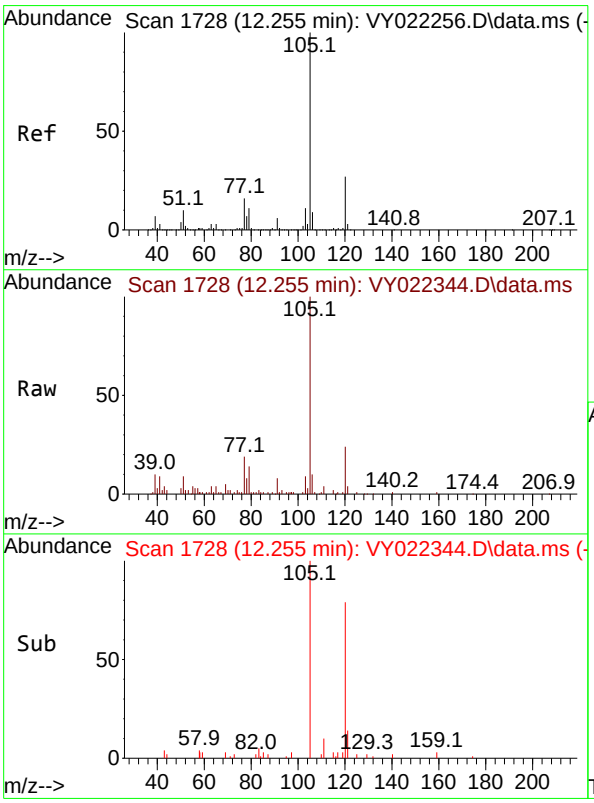
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:152 Resp: 126954

Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.4	88.2
150	156.6	0.0	353.8

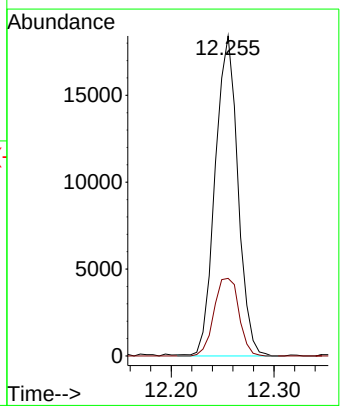


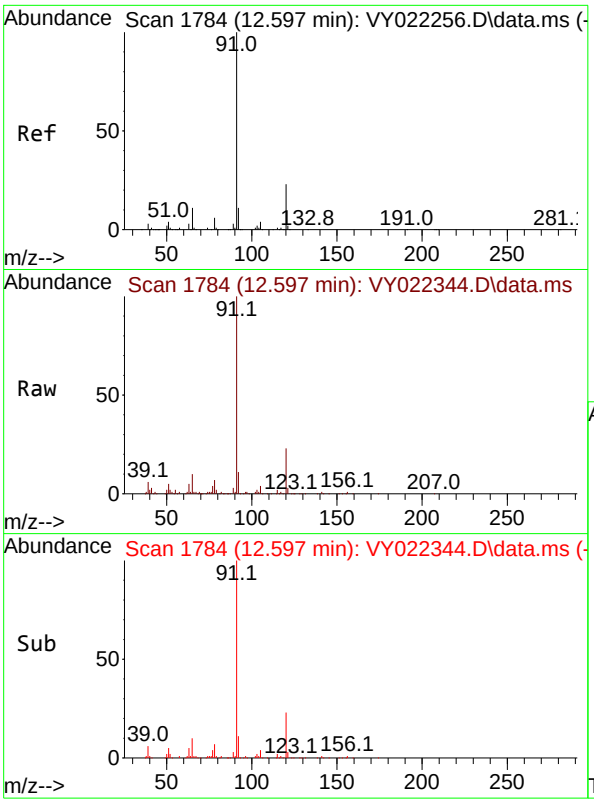


#73
Isopropylbenzene
Concen: 2.688 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:105 Resp: 28275

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6



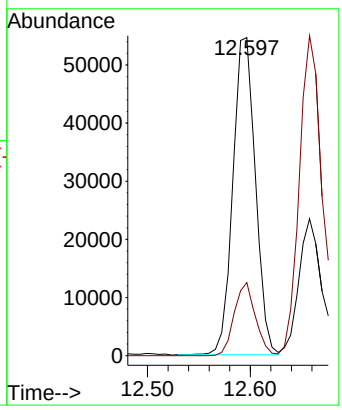


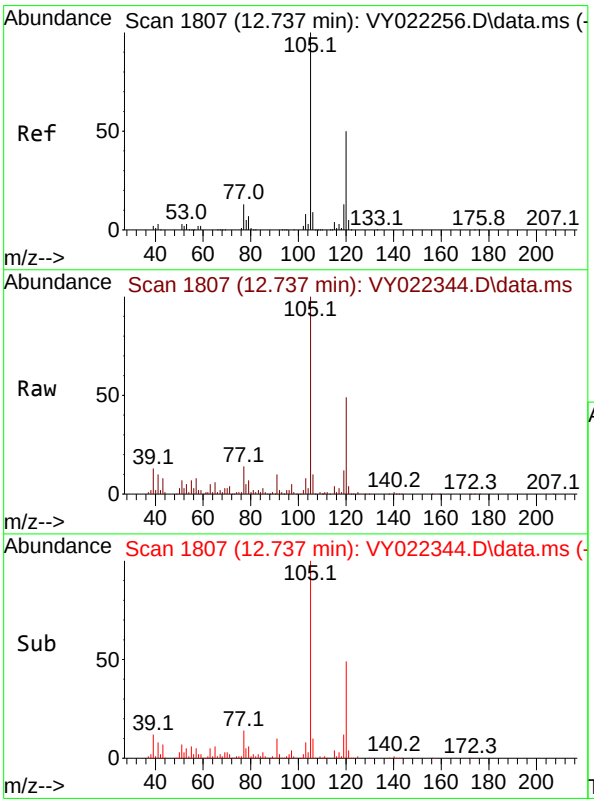
#78
n-propylbenzene
Concen: 6.566 ug/l
RT: 12.597 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion: 91 Resp: 83294

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3

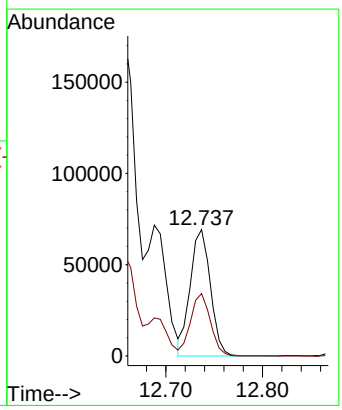


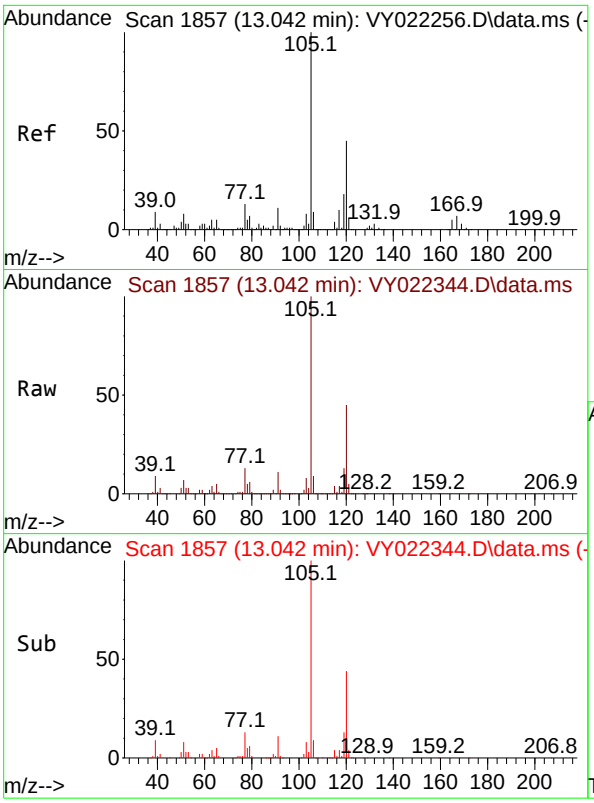


#80
1,3,5-Trimethylbenzene
Concen: 11.874 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:105 Resp: 100815

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.2	72.6



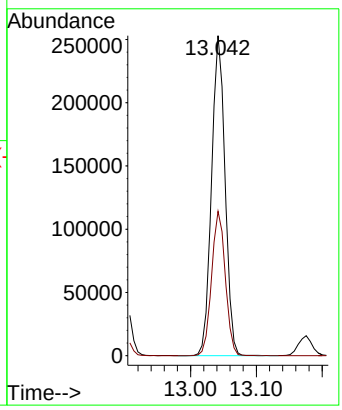


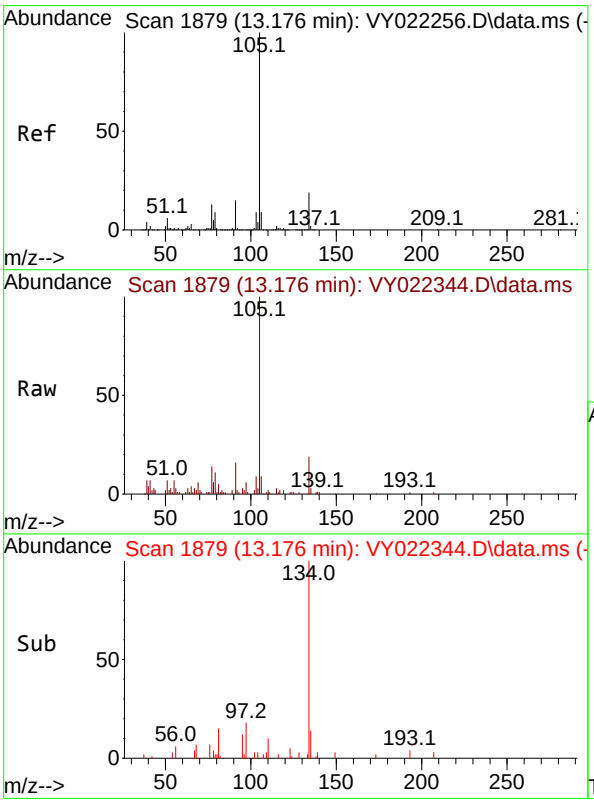
#84
1,2,4-Trimethylbenzene
Concen: 42.901 ug/l
RT: 13.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:105 Resp: 361565

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9

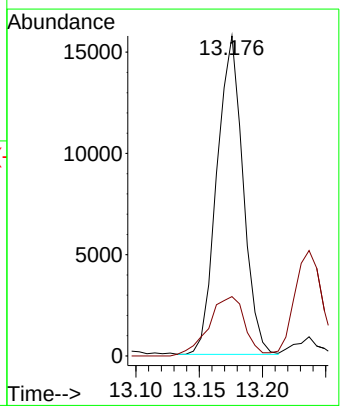


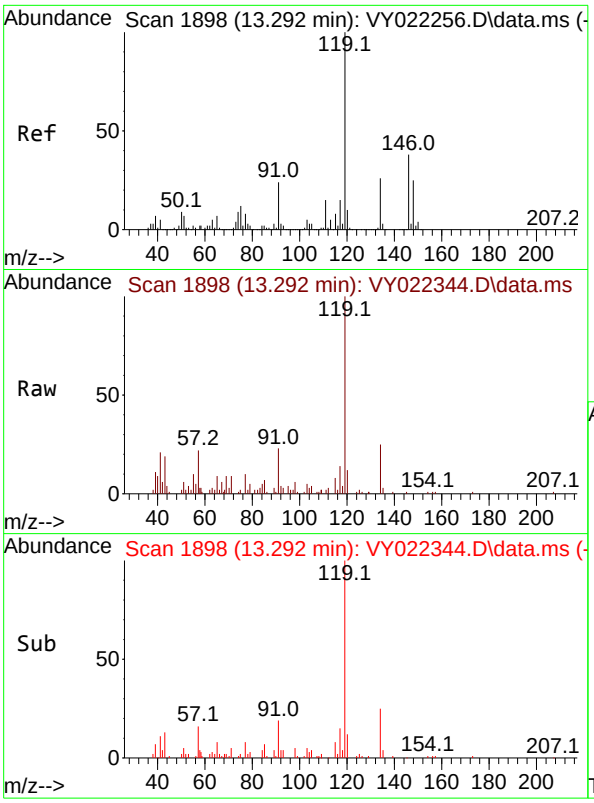


#85
sec-Butylbenzene
Concen: 2.016 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion:105 Resp: 22583

Ion	Ratio	Lower	Upper
105	100		
134	25.5	9.8	29.5



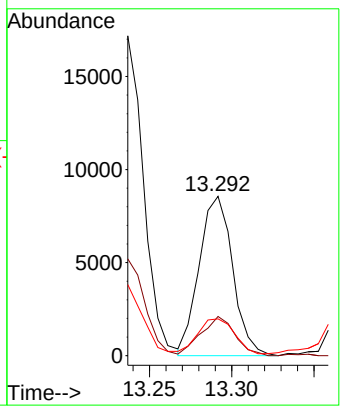


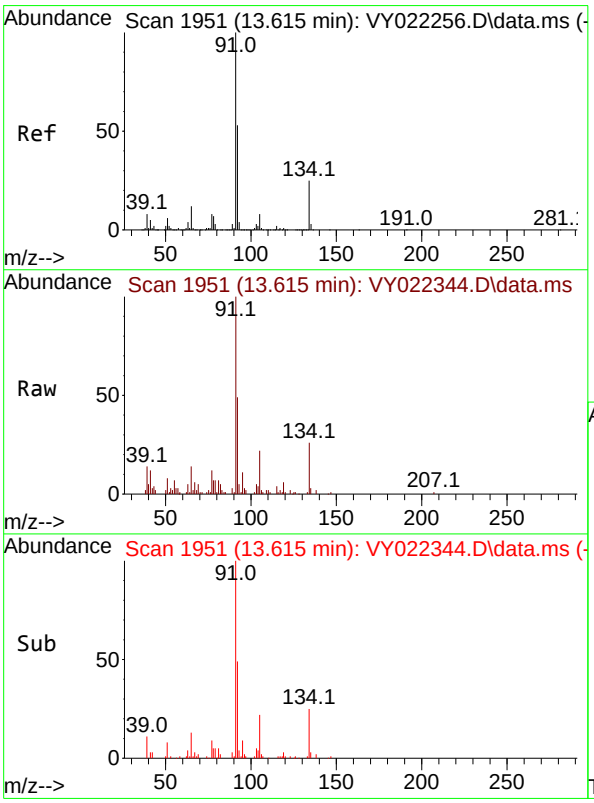
#86
p-Isopropyltoluene
Concen: 1.290 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Instrument :
MSVOA_Y
ClientSampleId :
SS-910

Tgt Ion:119 Resp: 12154

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.9	38.6
91	23.6	12.1	36.3

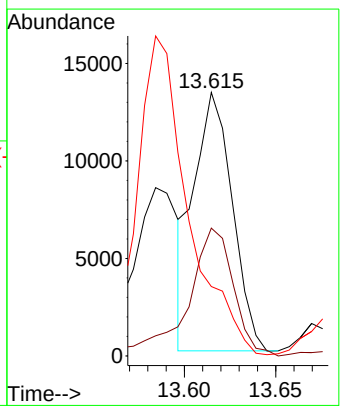




#89
n-Butylbenzene
Concen: 2.174 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY022344.D
Acq: 20 May 2025 15:45

Tgt Ion: 91 Resp: 19377

Ion	Ratio	Lower	Upper
91	100		
92	57.3	26.3	78.9
134	0.0	12.4	37.4#



Raw Data: **VY022345.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-11	SDG No.:	Q2075
Lab Sample ID:	Q2075-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	5.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022345.D	1		05/20/25 16:09	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.20		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	7.80		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	46.3		2.02	14.9	ug/Kg
98-82-8	Isopropylbenzene	2.10	J	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.40		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.80		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	40.2		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	1.40	J	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	1.40	J	1.40	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		63 - 155	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240000	7.707			
540-36-3	1,4-Difluorobenzene	433000	8.615			
3114-55-4	Chlorobenzene-d5	346000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.346			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022345.D
Acq On : 20 May 2025 16:09
Operator : SY/MD
Sample : Q2075-03
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Quant Time: May 21 01:51:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

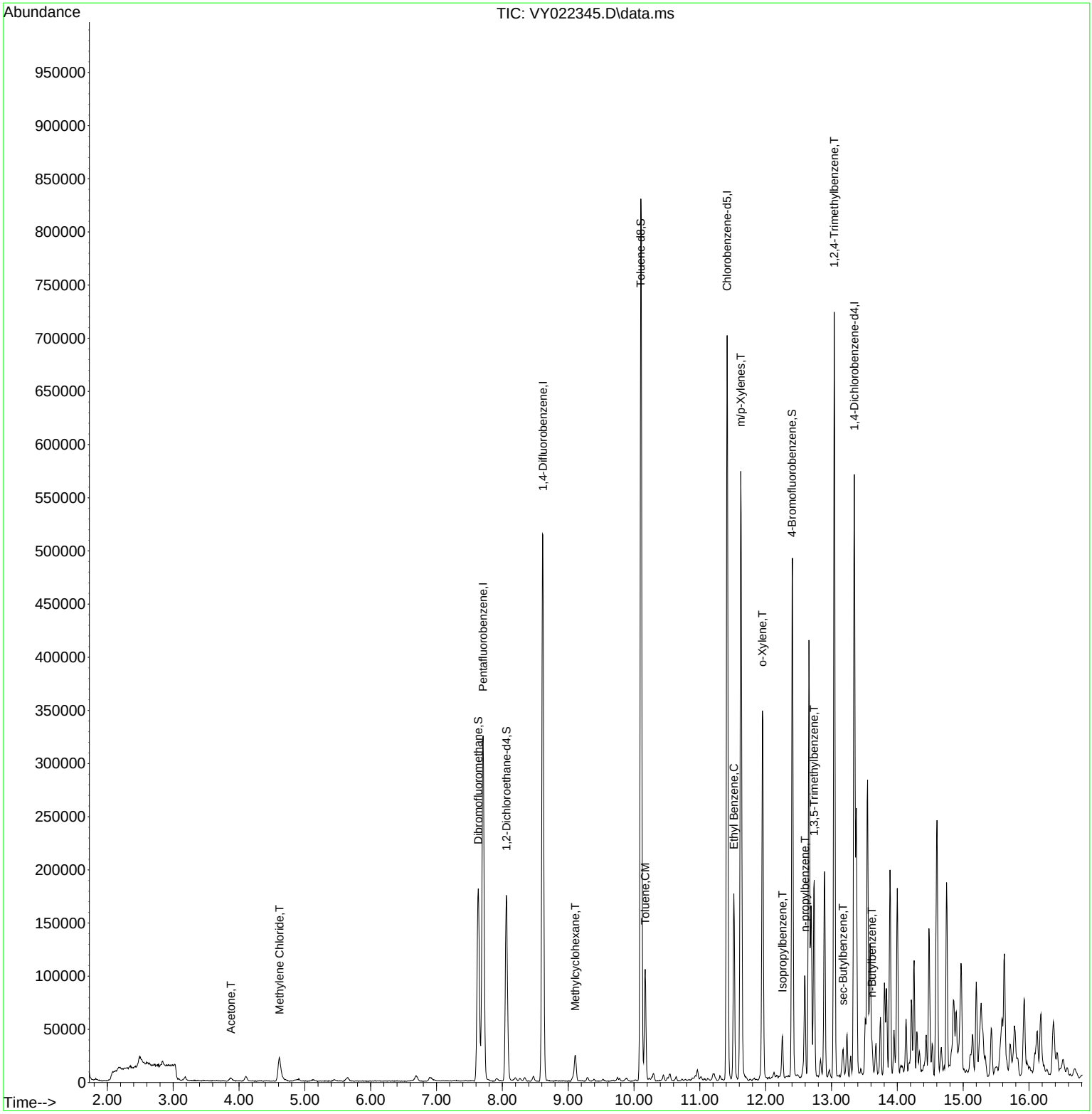
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	239791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	432569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	345893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122461	46.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.460%		
35) Dibromofluoromethane	7.634	113	125981	48.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.600%		
50) Toluene-d8	10.103	98	514605	48.667	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.340%		
62) 4-Bromofluorobenzene	12.401	95	132386	39.499	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.000%		
Target Compounds						Qvalue
16) Acetone	3.879	43	5473	11.138	ug/l #	89
20) Methylene Chloride	4.616	84	14696	4.628	ug/l	94
39) Methylcyclohexane	9.109	83	10764	1.884	ug/l	88
52) Toluene	10.170	92	42034	5.265	ug/l	98
67) Ethyl Benzene	11.517	91	114266	7.819	ug/l	100
68) m/p-Xylenes	11.621	106	163448	29.680	ug/l	96
69) o-Xylene	11.950	106	87953	16.880	ug/l	100
73) Isopropylbenzene	12.255	105	23017	2.127	ug/l	94
78) n-propylbenzene	12.596	91	70774	5.421	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	86309	9.879	ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	350537	40.417	ug/l	97
85) sec-Butylbenzene	13.176	105	16558	1.436	ug/l	87
89) n-Butylbenzene	13.615	91	13194	1.439	ug/l #	74

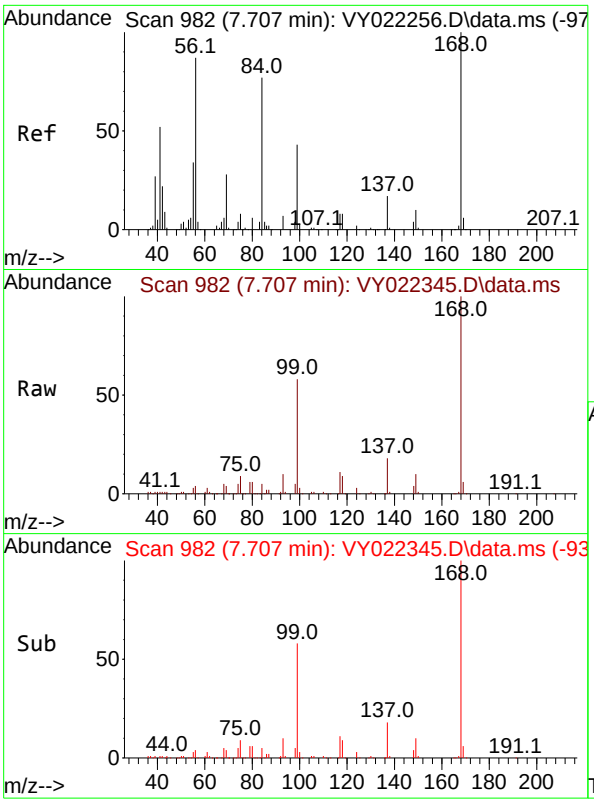
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022345.D
Acq On : 20 May 2025 16:09
Operator : SY/MD
Sample : Q2075-03
Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Quant Time: May 21 01:51:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



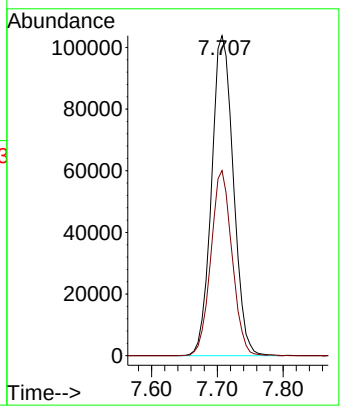


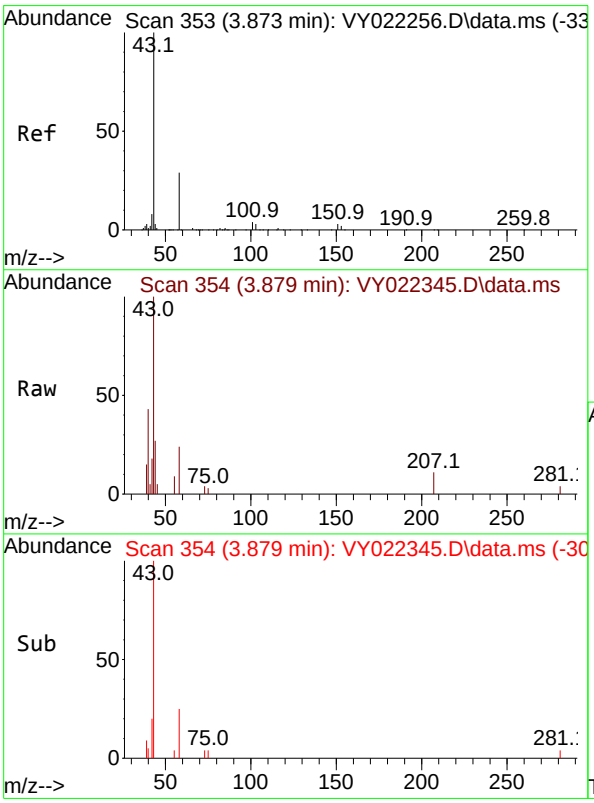
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion:168 Resp: 239791

Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.2	66.4

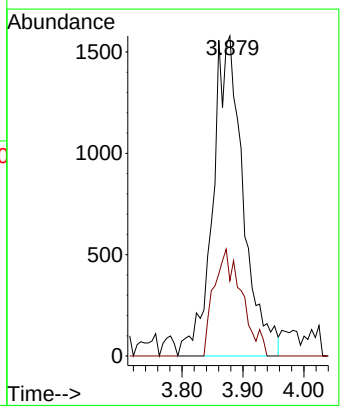


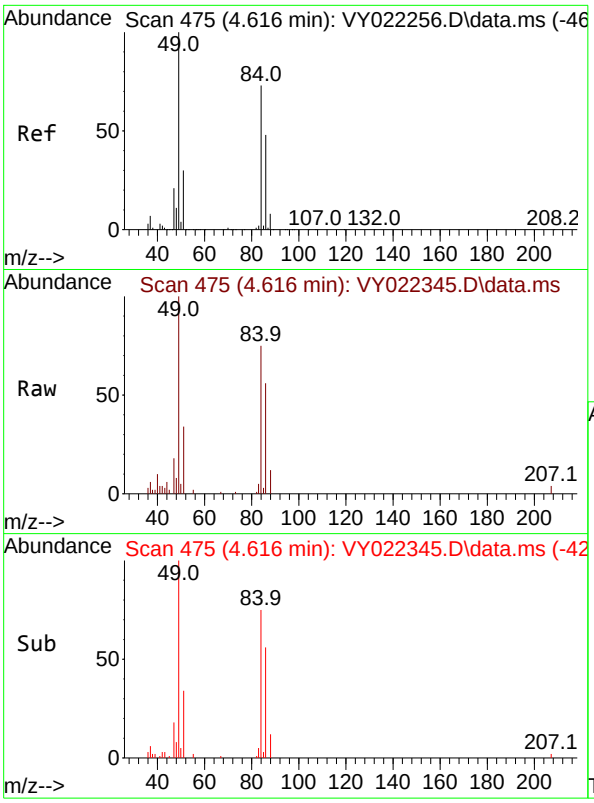


#16
Acetone
Concen: 11.138 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion: 43 Resp: 5473

Ion	Ratio	Lower	Upper
43	100		
58	23.6	23.6	35.4#



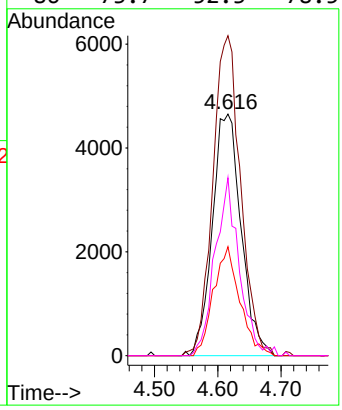


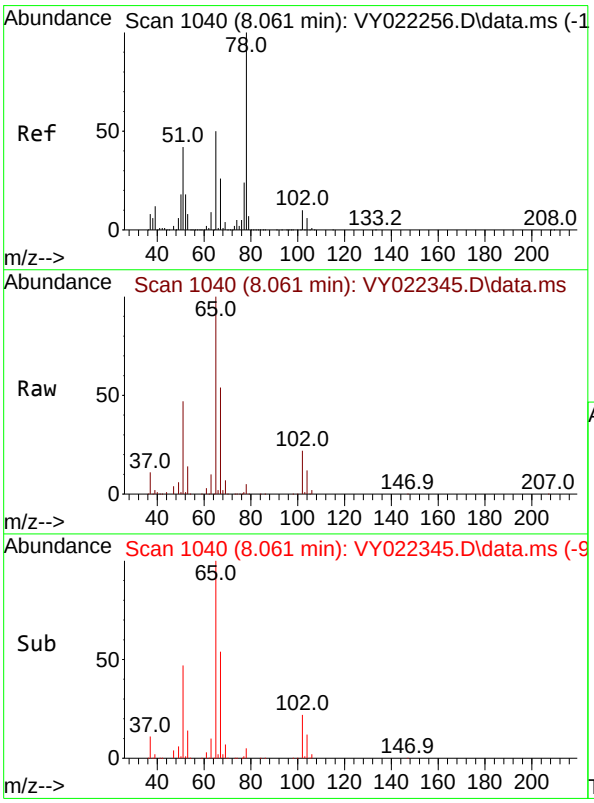
#20
Methylene Chloride
Concen: 4.628 ug/l
RT: 4.616 min Scan# 4
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion: 84 Resp: 14696

Ion	Ratio	Lower	Upper
84	100		
49	132.5	109.6	164.4
51	45.1	32.4	48.6
86	73.7	52.3	78.5

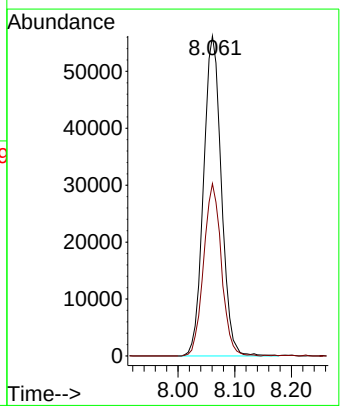


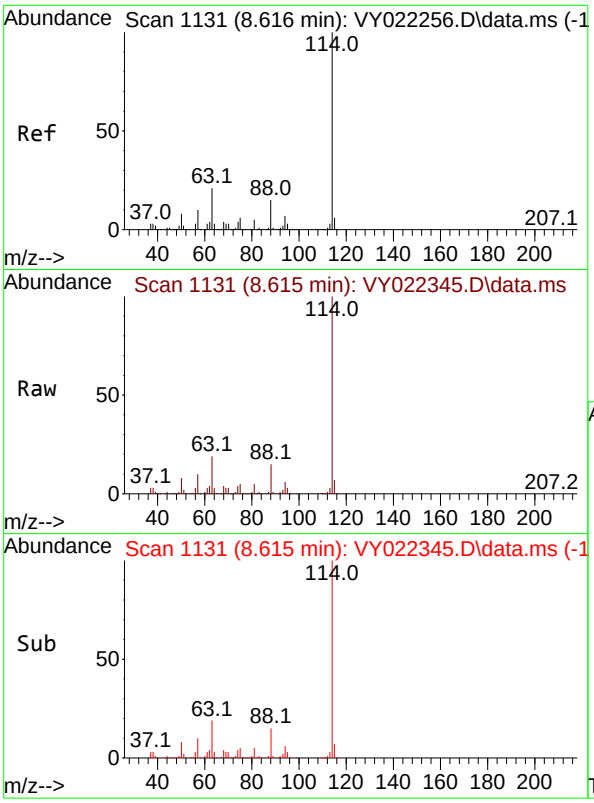


#33
1,2-Dichloroethane-d4
Concen: 46.729 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion: 65 Resp: 122461

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	104.6



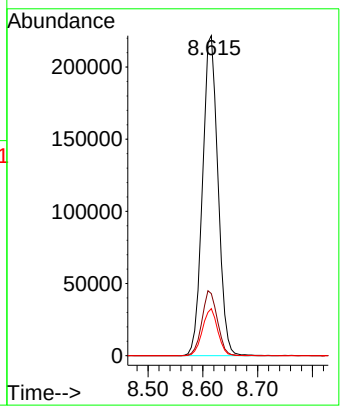


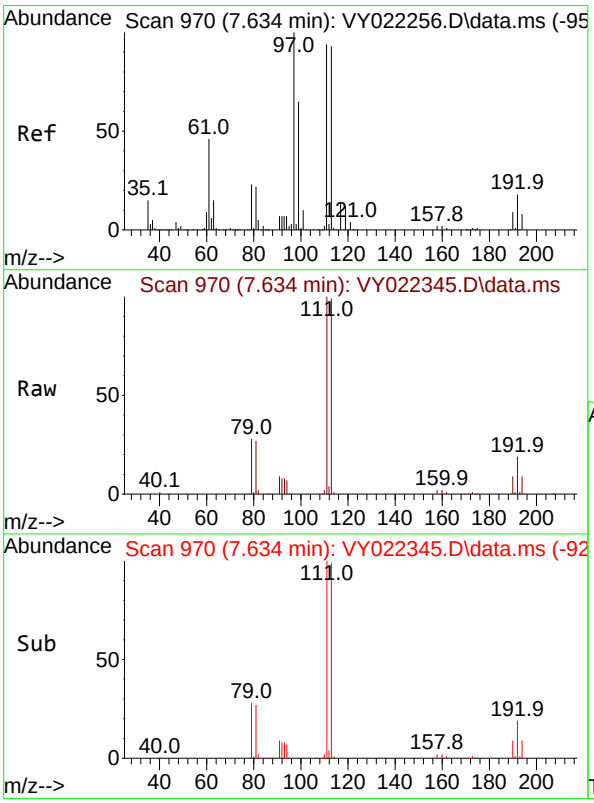
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion:114 Resp: 432569

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.0
88	14.7	0.0	29.4

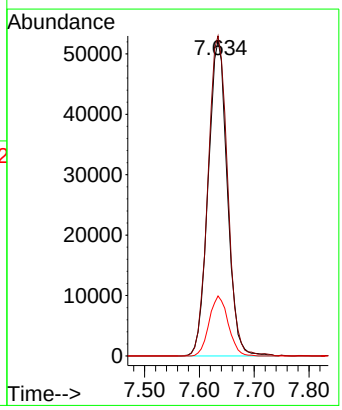


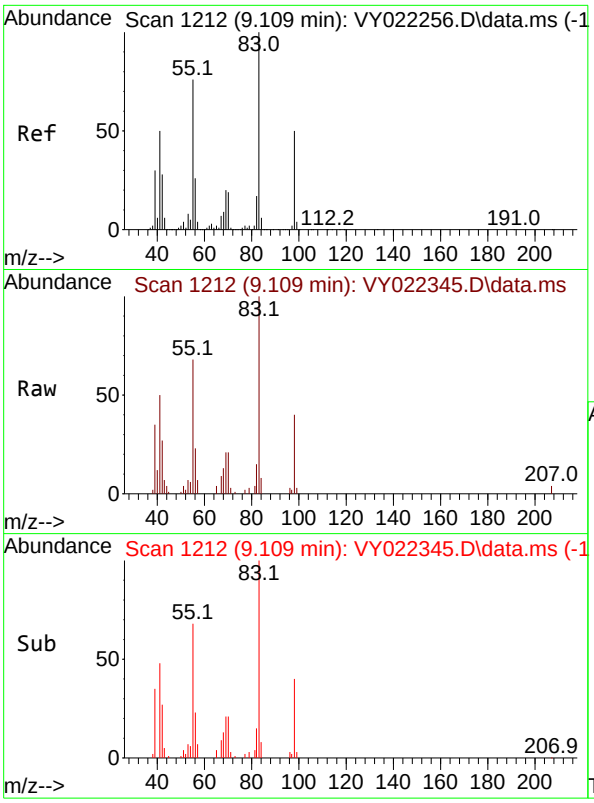


#35
Dibromofluoromethane
Concen: 48.795 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:113 Resp: 125981

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	19.0	15.2	22.8



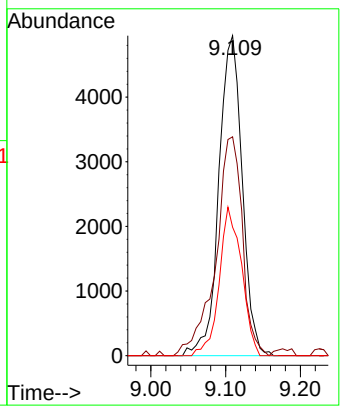


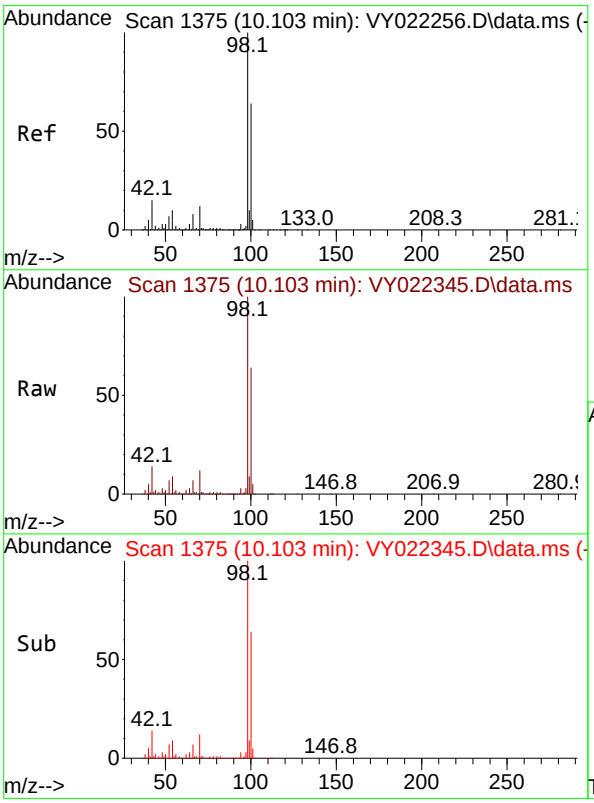
#39
Methylcyclohexane
Concen: 1.884 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion: 83 Resp: 10764

Ion	Ratio	Lower	Upper
83	100		
55	67.3	60.6	90.8
98	40.1	40.0	60.0

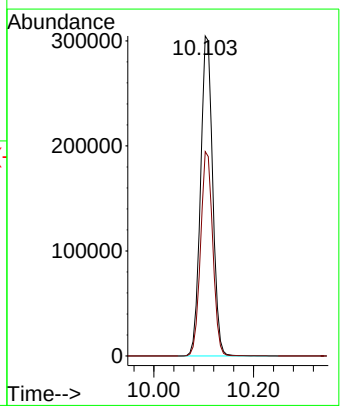


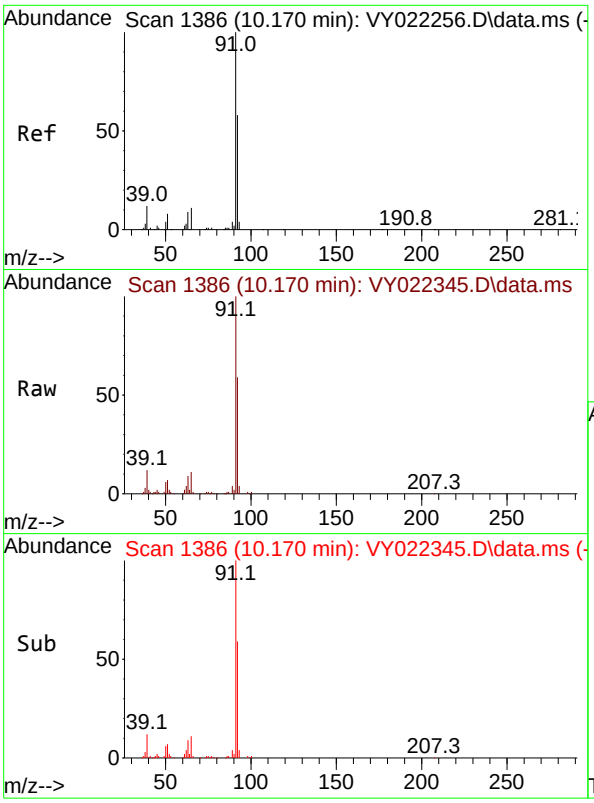


#50
Toluene-d8
Concen: 48.667 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion: 98 Resp: 514605

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8



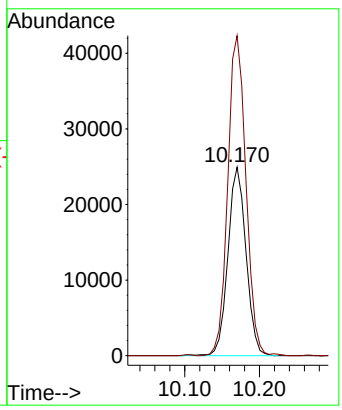


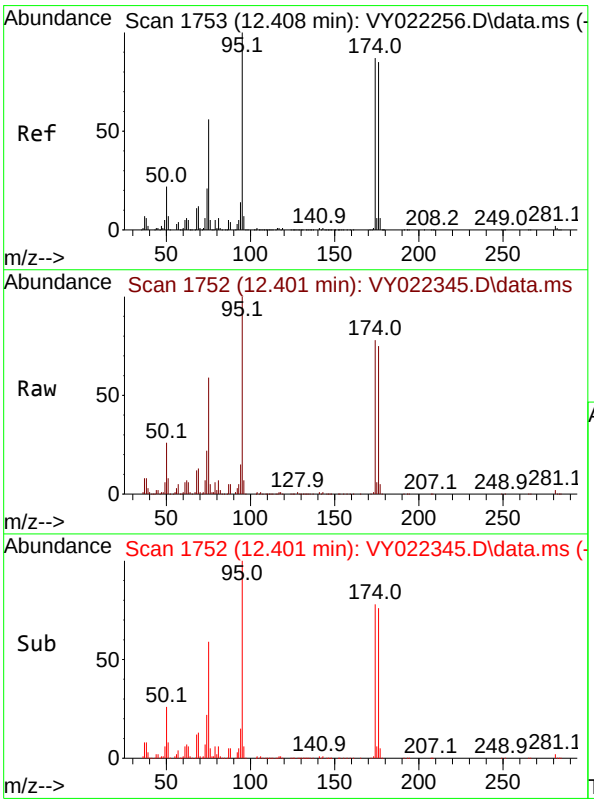
#52
Toluene
Concen: 5.265 ug/l
RT: 10.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion: 92 Resp: 42034

Ion	Ratio	Lower	Upper
92	100		
91	170.5	139.1	208.7

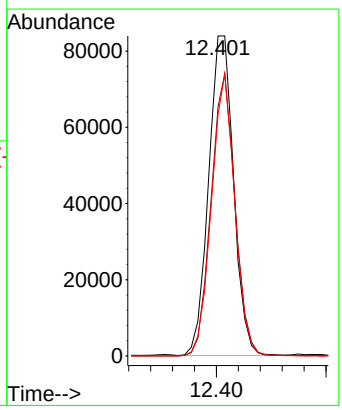


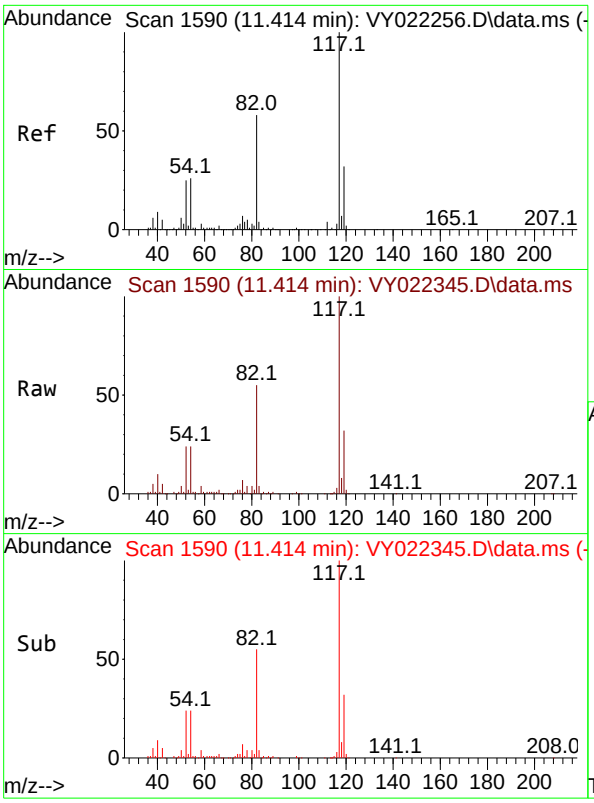


#62
4-Bromofluorobenzene
Concen: 39.499 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion: 95 Resp: 132386

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	166.8
176	82.3	0.0	160.8



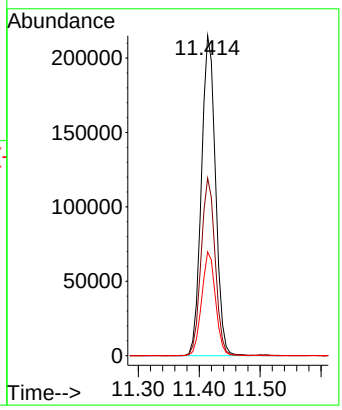


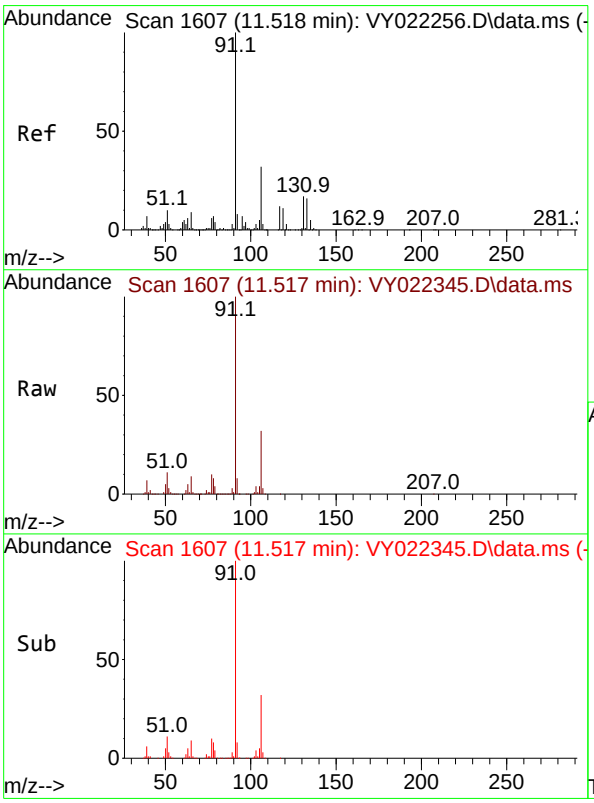
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion:117 Resp: 345893

Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.6	70.0
119	32.5	25.8	38.6

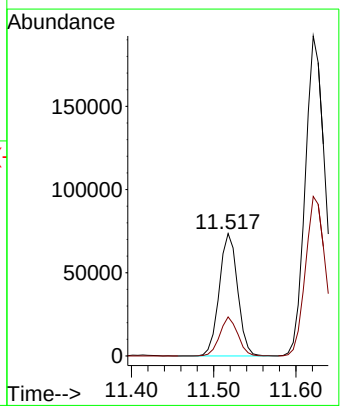


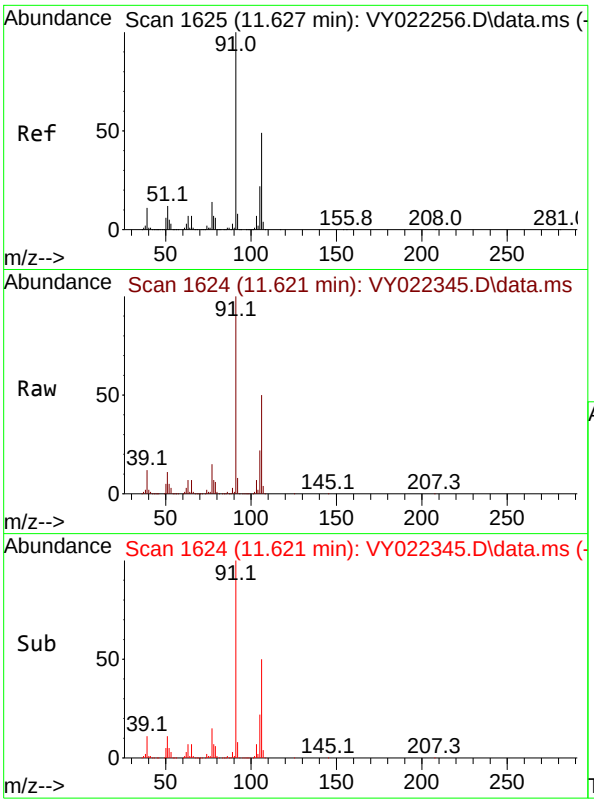


#67
Ethyl Benzene
Concen: 7.819 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion: 91 Resp: 114266

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.4	38.0



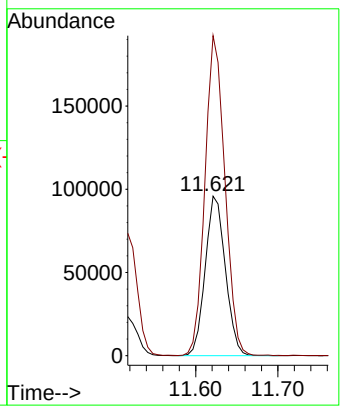


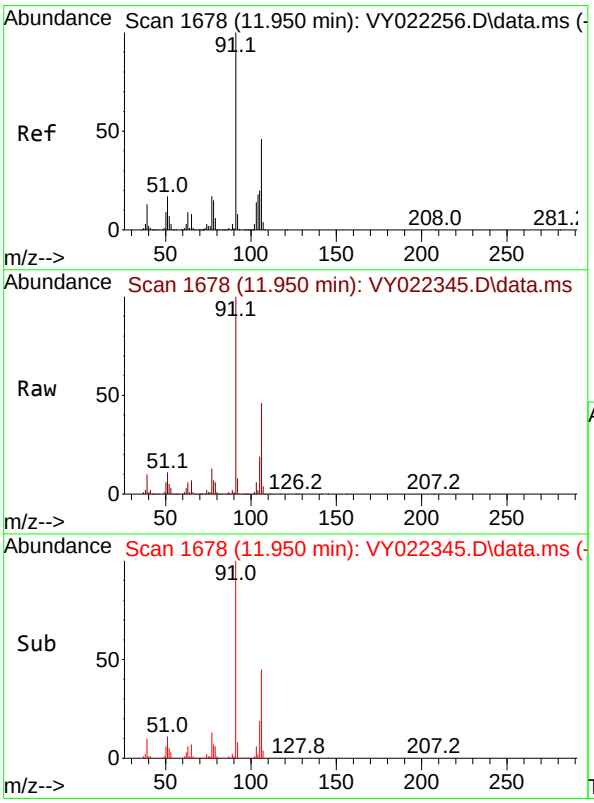
#68
m/p-Xylenes
Concen: 29.680 ug/l
RT: 11.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion:106 Resp: 163448

Ion	Ratio	Lower	Upper
106	100		
91	198.0	163.0	244.4

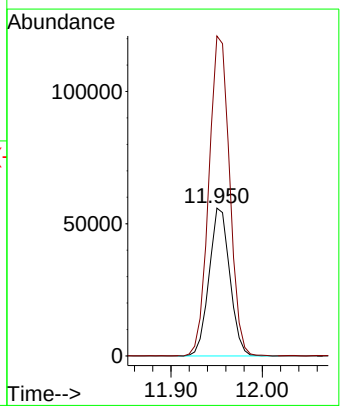


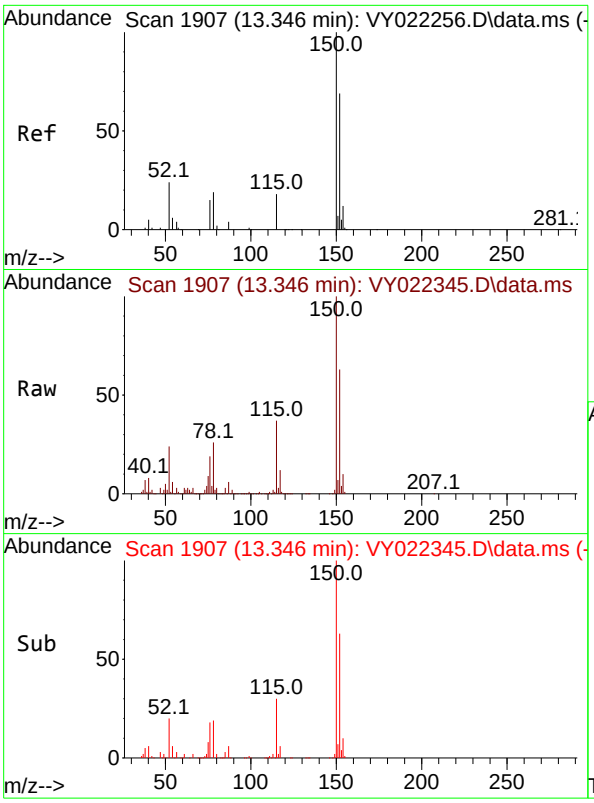


#69
o-Xylene
Concen: 16.880 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:106 Resp: 87953

Ion	Ratio	Lower	Upper
106	100		
91	216.9	108.3	324.8



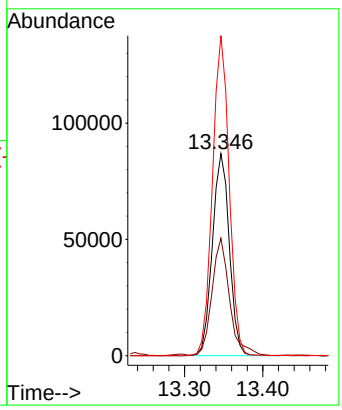


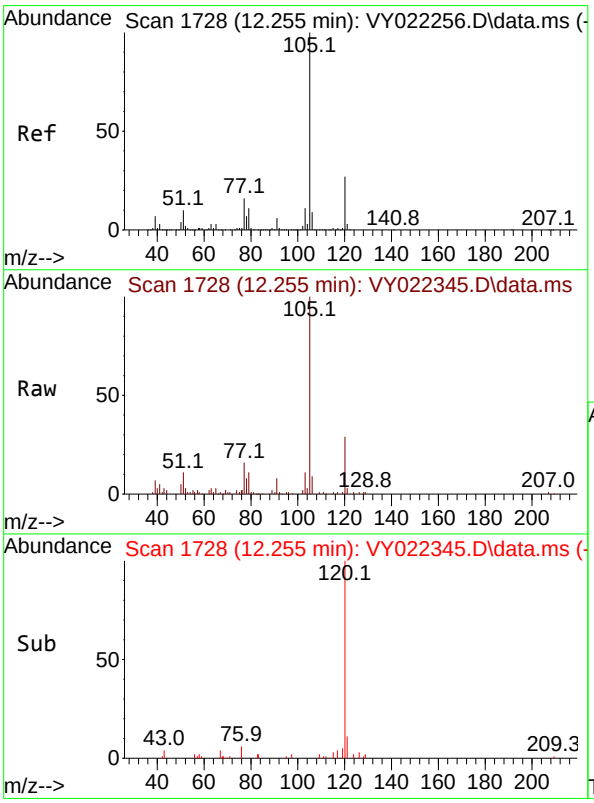
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion:152 Resp: 130644

Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.4	88.2
150	155.7	0.0	353.8

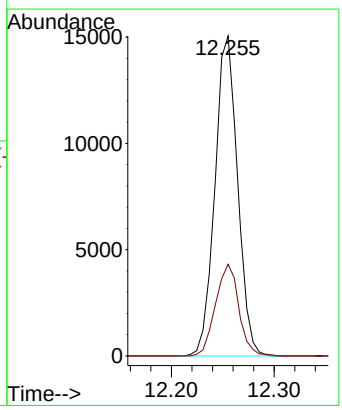


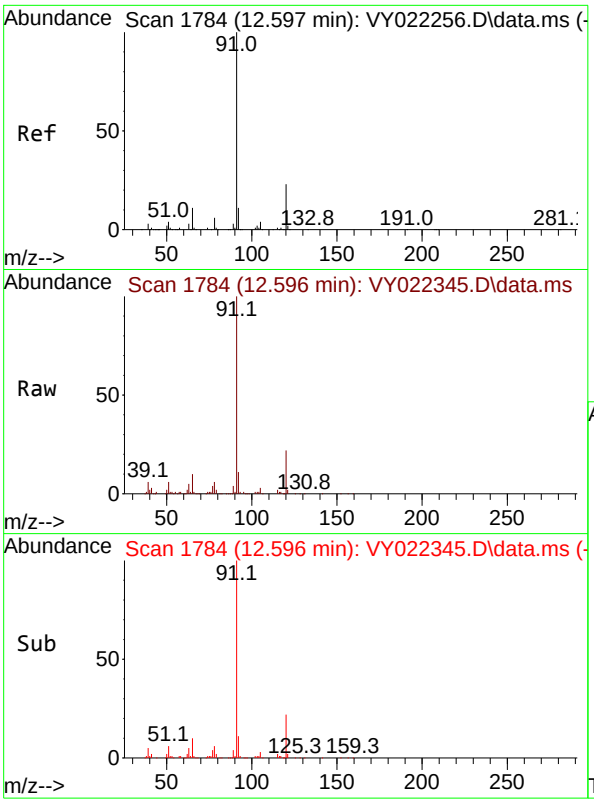


#73
Isopropylbenzene
Concen: 2.127 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:105 Resp: 23017

Ion	Ratio	Lower	Upper
105	100		
120	29.5	13.2	39.6



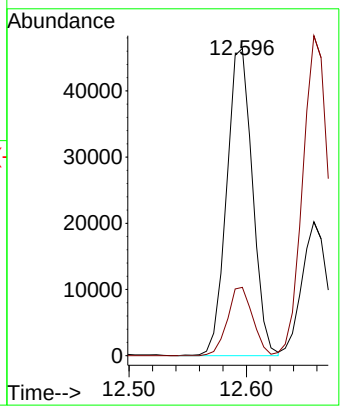


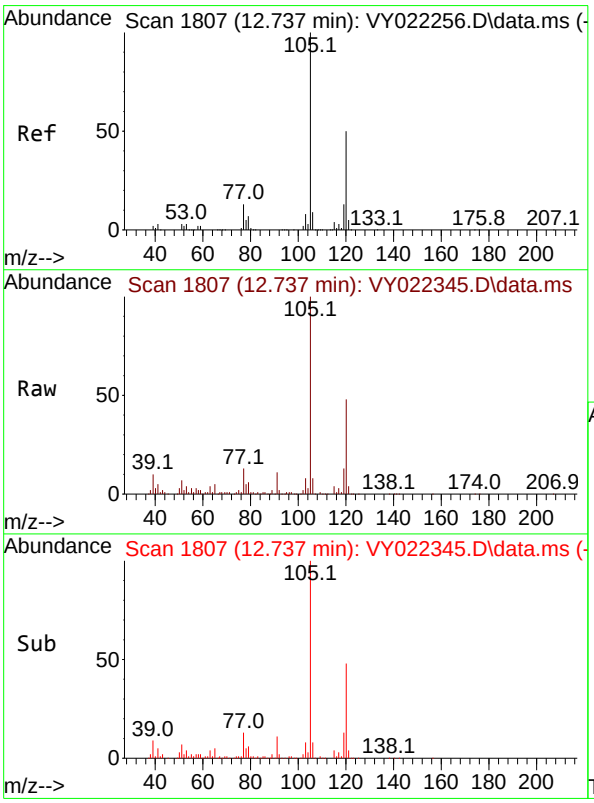
#78
n-propylbenzene
Concen: 5.421 ug/l
RT: 12.596 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion: 91 Resp: 70774

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.3

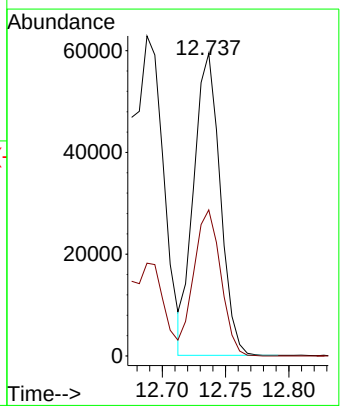


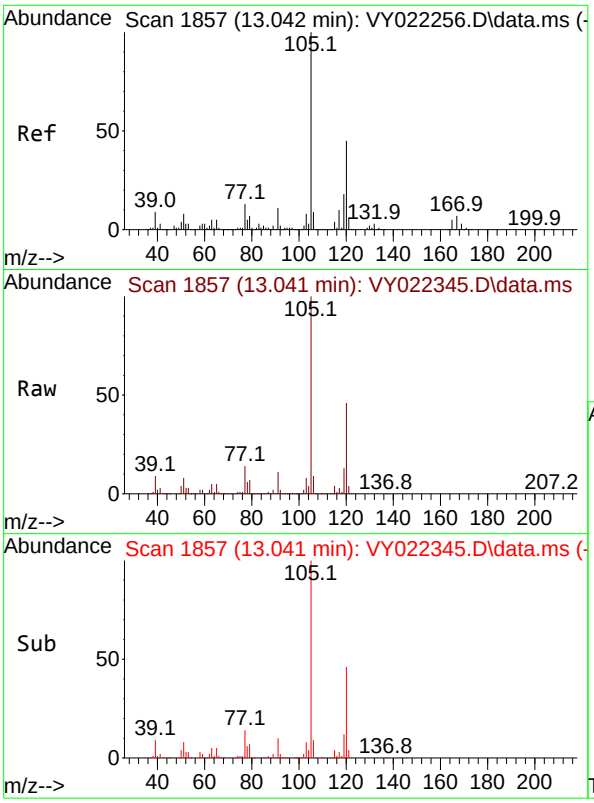


#80
1,3,5-Trimethylbenzene
Concen: 9.879 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:105 Resp: 86309

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.2	72.6



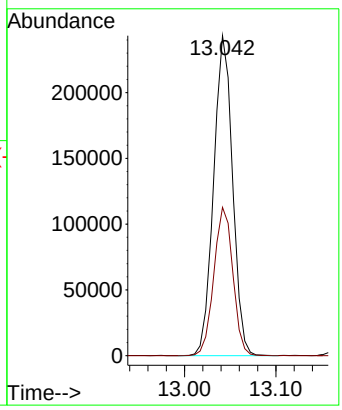


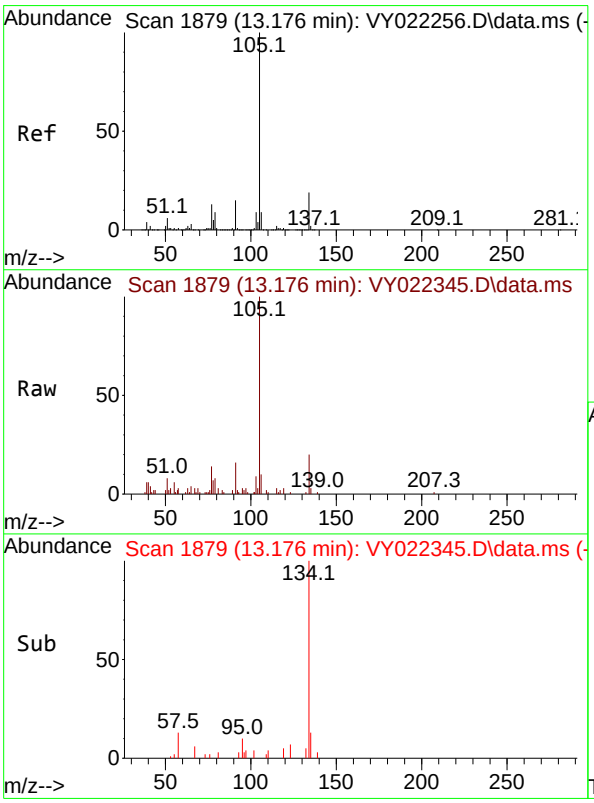
#84
1,2,4-Trimethylbenzene
Concen: 40.417 ug/l
RT: 13.041 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion:105 Resp: 350537

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.3	66.9

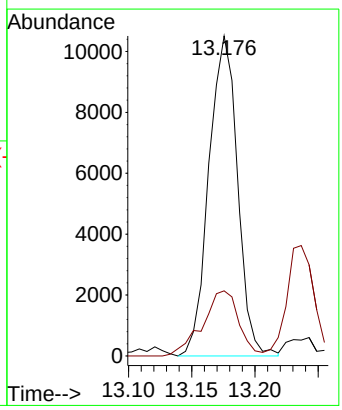


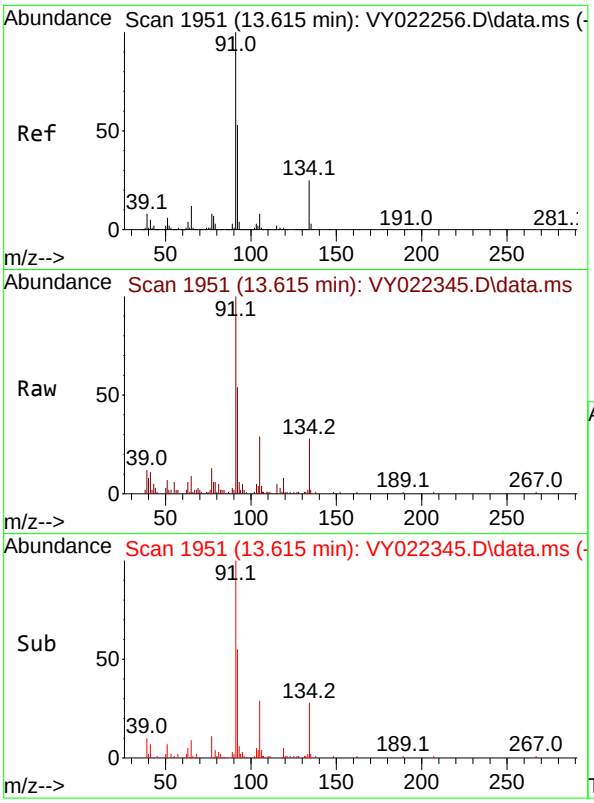


#85
sec-Butylbenzene
Concen: 1.436 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Tgt Ion:105 Resp: 16558

Ion	Ratio	Lower	Upper
105	100		
134	25.8	9.8	29.5



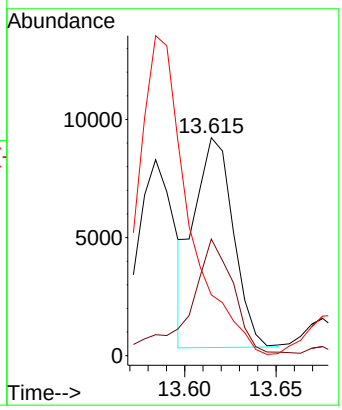


#89
n-Butylbenzene
Concen: 1.439 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022345.D
Acq: 20 May 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
SS-11

Tgt Ion: 91 Resp: 13194

Ion	Ratio	Lower	Upper
91	100		
92	62.9	26.3	78.9
134	0.0	12.4	37.4#



Raw Data: **VY022403.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-MW1-11.5	SDG No.:	Q2075
Lab Sample ID:	Q2075-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91
Sample Wt/Vol:	7.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022403.D	1		05/22/25 18:03	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	9.40		0.62	3.90	ug/Kg
108-88-3	Toluene	44.7		0.61	3.90	ug/Kg
100-41-4	Ethyl Benzene	18.9		0.52	3.90	ug/Kg
1330-20-7	Total Xylenes	1510	E	1.61	11.7	ug/Kg
98-82-8	Isopropylbenzene	40.5		0.61	3.90	ug/Kg
103-65-1	n-propylbenzene	56.3		0.57	3.90	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	770	E	0.64	3.90	ug/Kg
98-06-6	tert-Butylbenzene	3.90	U	0.52	3.90	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	740	E	0.50	3.90	ug/Kg
135-98-8	sec-Butylbenzene	66.3		0.52	3.90	ug/Kg
99-87-6	p-Isopropyltoluene	52.3		0.48	3.90	ug/Kg
104-51-8	n-Butylbenzene	71.9		1.10	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		63 - 155	89%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	55.4		74 - 123	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	235000	7.719			
540-36-3	1,4-Difluorobenzene	408000	8.622			
3114-55-4	Chlorobenzene-d5	331000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.353			

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

Sample Results: **VY022403.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022403.D
Acq On : 22 May 2025 18:03
Operator : SY/MD
Sample : Q2075-06
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Quant Time: May 23 03:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

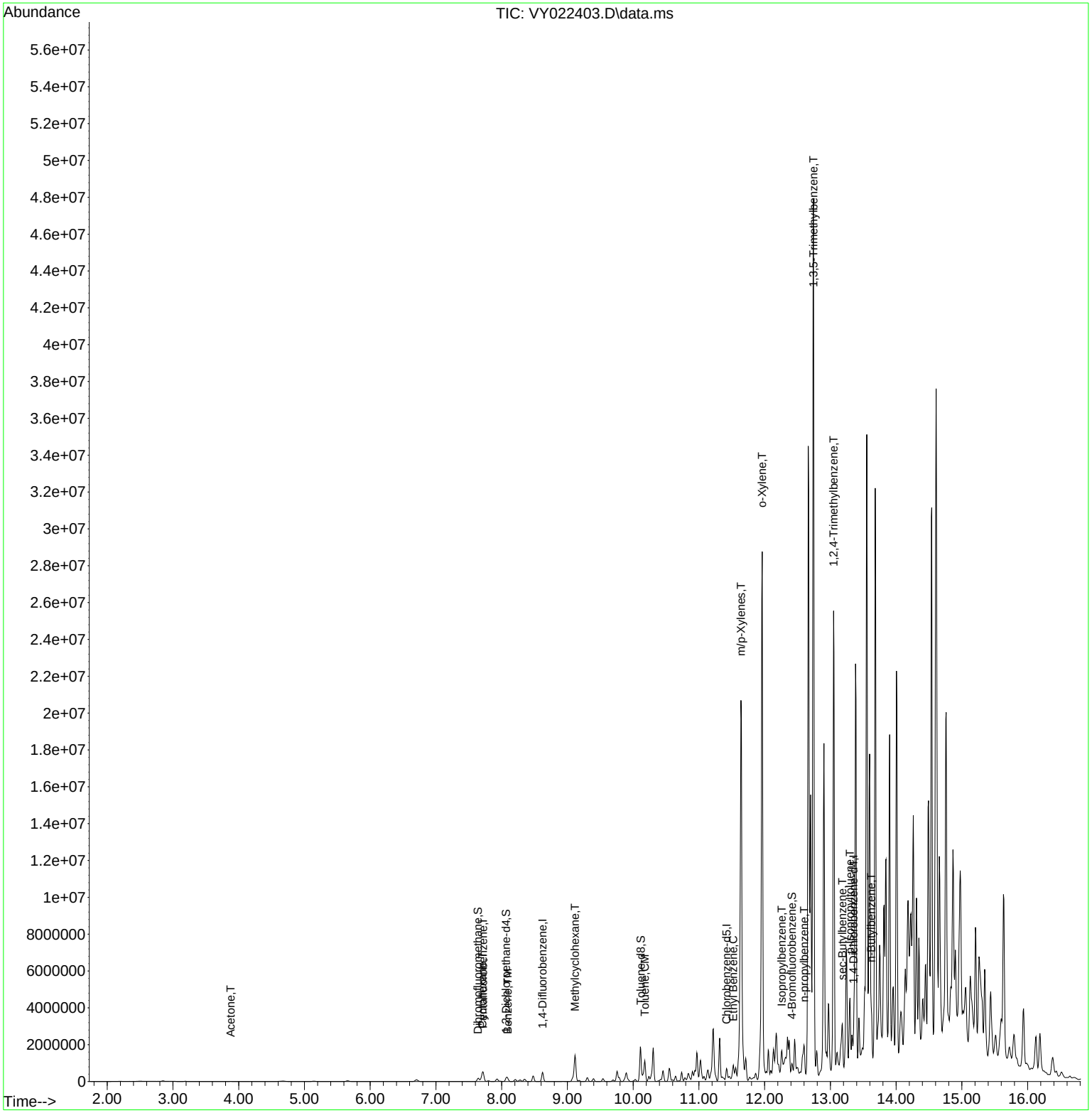
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.719	168	234597	50.000	ug/l		0.01
34) 1,4-Difluorobenzene	8.622	114	407953	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	330547	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	155760	50.000	ug/l	#	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	114168	44.529	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.060%				
35) Dibromofluoromethane	7.640	113	122758	50.416	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%				
50) Toluene-d8	10.115	98	552290	55.382	ug/l		0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.760%				
62) 4-Bromofluorobenzene	12.414	95	157590	49.856	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.720%				
Target Compounds							Qvalue
16) Acetone	3.879	43	7070	14.706	ug/l		93
31) Cyclohexane	7.707	56	130694	25.198	ug/l		96
39) Methylcyclohexane	9.116	83	577391	107.159	ug/l		95
40) Benzene	8.091	78	142995	12.027	ug/l		99
52) Toluene	10.176	92	431499	57.313	ug/l		100
67) Ethyl Benzene	11.524	91	337502	24.165	ug/l		100
68) m/p-Xylenes	11.640	106	3697162	702.518	ug/l		93
69) o-Xylene	11.963	106	6111078	1227.325	ug/l		83
73) Isopropylbenzene	12.261	105	670113	51.931	ug/l		100
78) n-propylbenzene	12.603	91	1121922	72.082	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	10325259	991.235	ug/l		92
84) 1,2,4-Trimethylbenzene	13.048	105	9807116	948.437	ug/l		91
85) sec-Butylbenzene	13.182	105	1168163	84.998	ug/l		87
86) p-Isopropyltoluene	13.298	119	774515	67.007	ug/l		98
89) n-Butylbenzene	13.621	91	1007822	92.163	ug/l	#	66

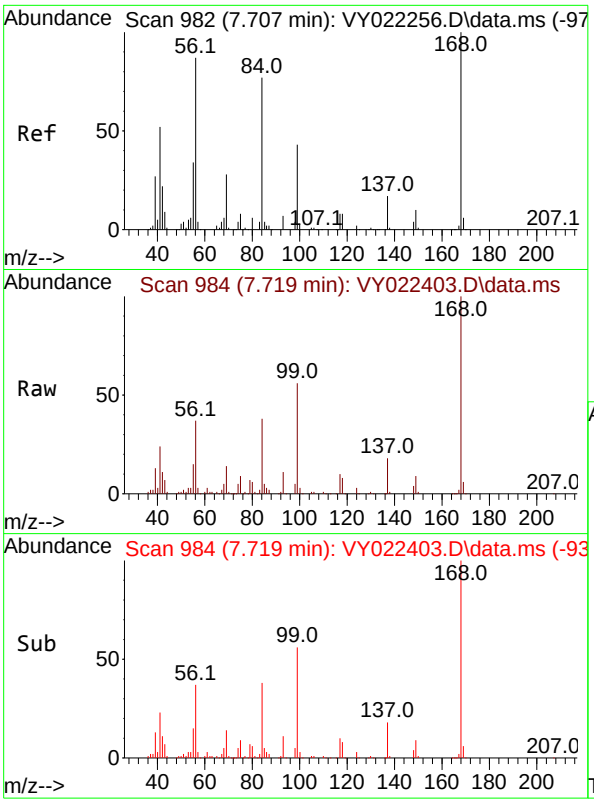
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022403.D
Acq On : 22 May 2025 18:03
Operator : SY/MD
Sample : Q2075-06
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Quant Time: May 23 03:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



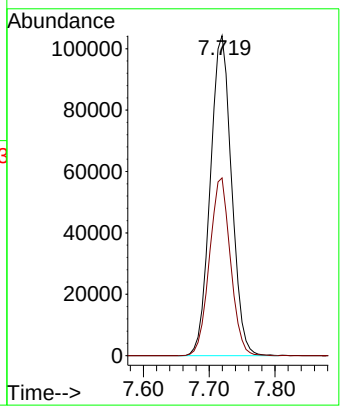


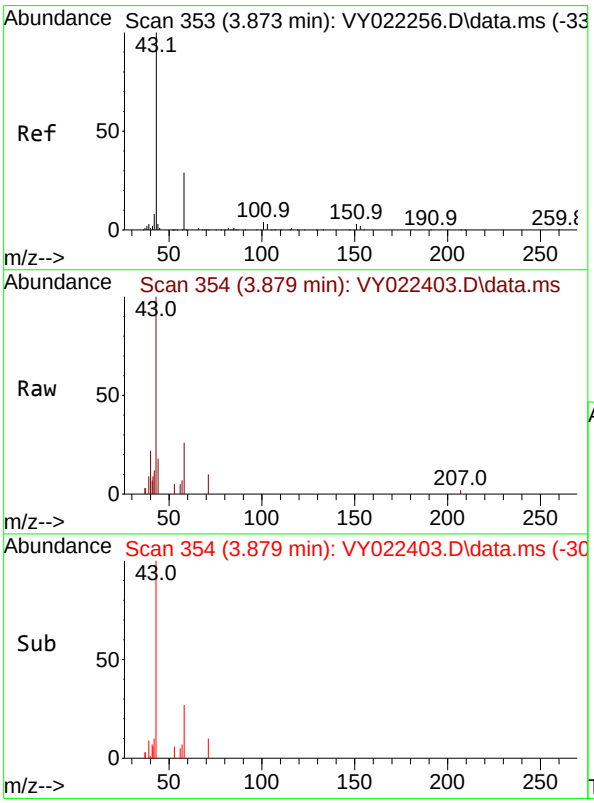
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion:168 Resp: 234597

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.2	66.4

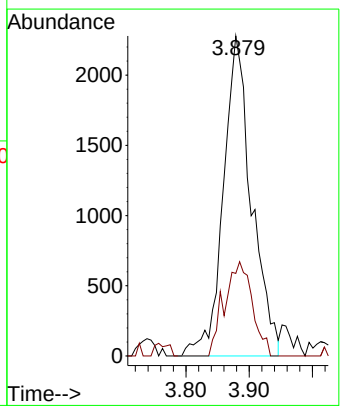


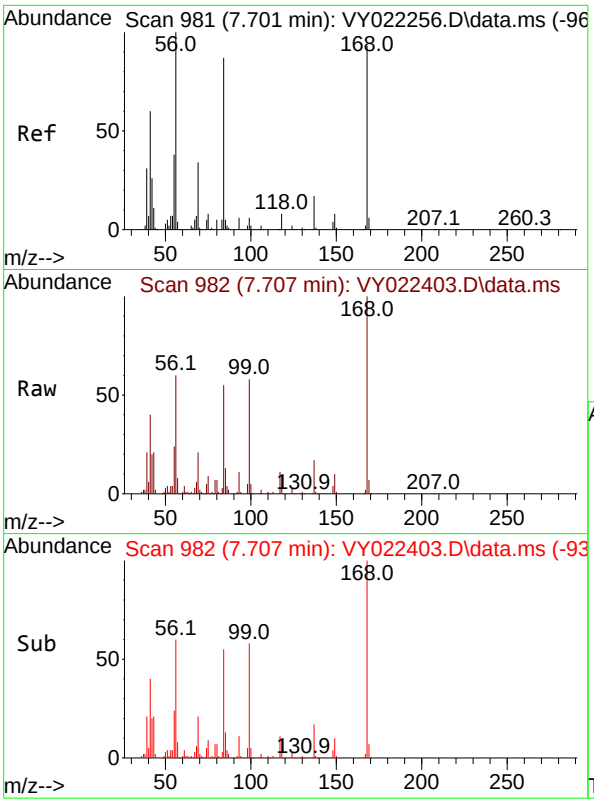


#16
Acetone
Concen: 14.706 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 43 Resp: 7070

Ion	Ratio	Lower	Upper
43	100		
58	25.8	23.6	35.4



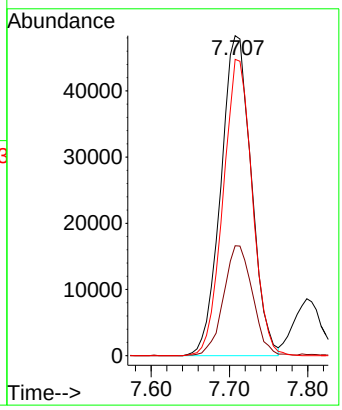


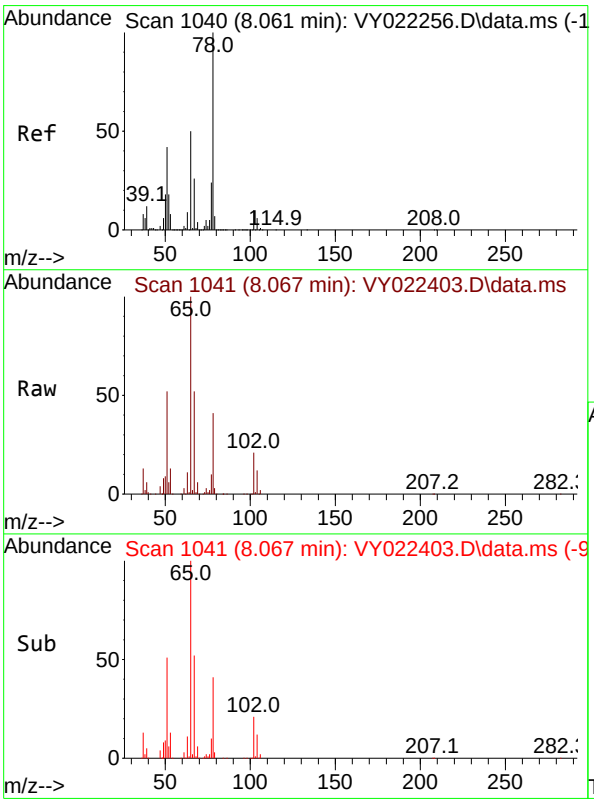
#31
Cyclohexane
Concen: 25.198 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion: 56 Resp: 130694

Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.4	41.2
84	92.6	70.0	105.0

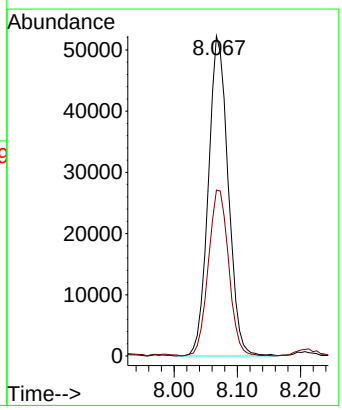


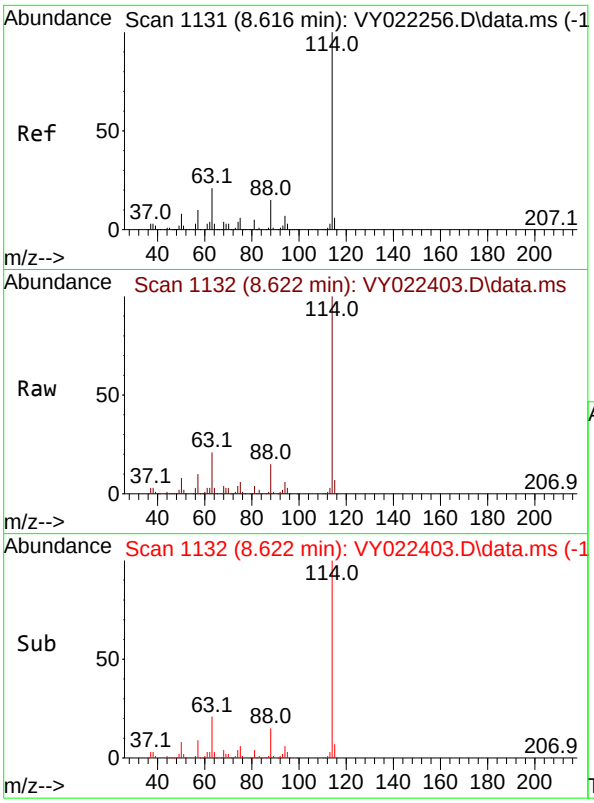


#33
1,2-Dichloroethane-d4
Concen: 44.529 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 65 Resp: 114168

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	104.6



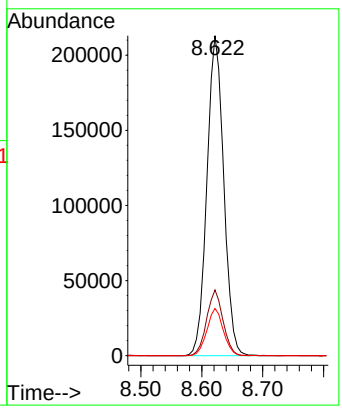


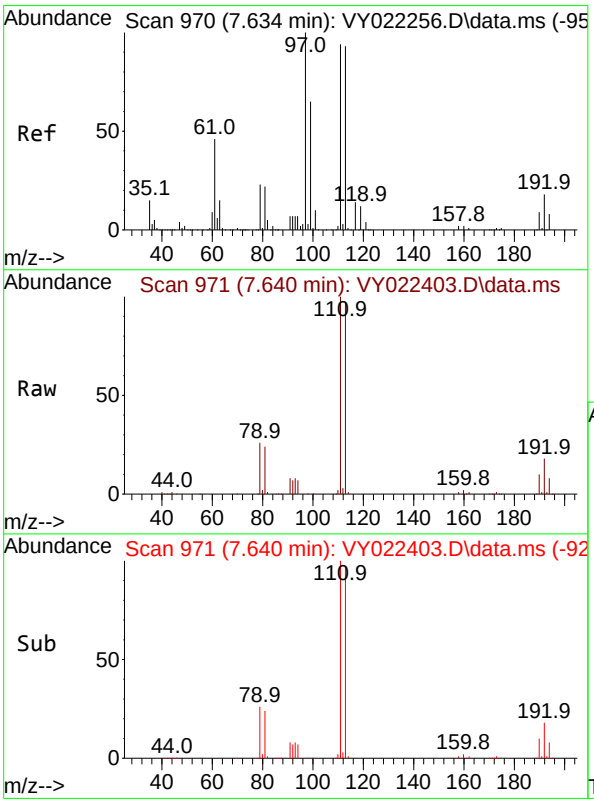
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion:114 Resp: 407953

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	14.8	0.0	29.4

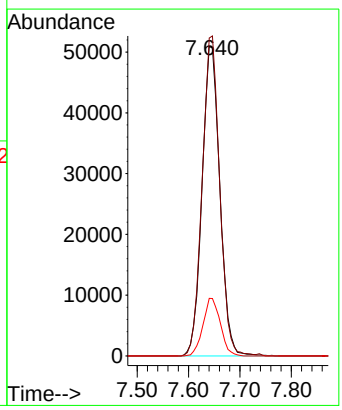


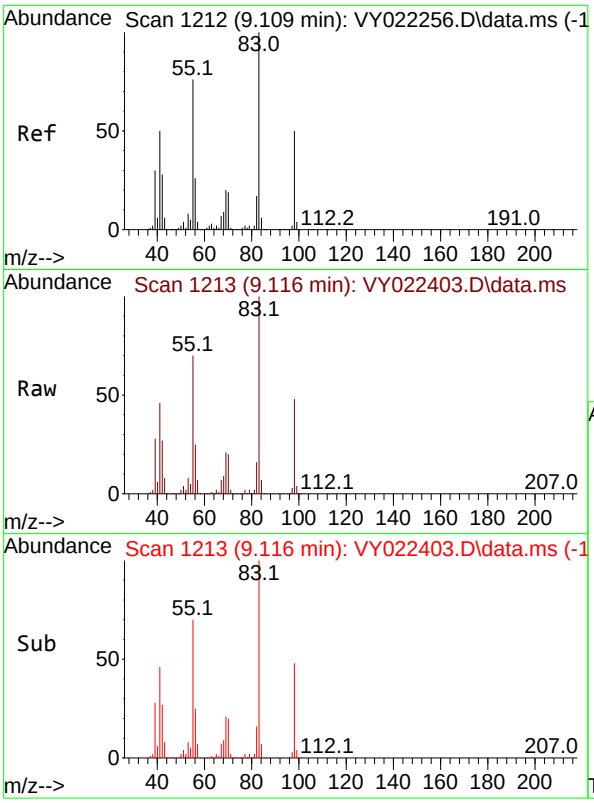


#35
Dibromofluoromethane
Concen: 50.416 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:113 Resp: 122758

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	18.1	15.2	22.8



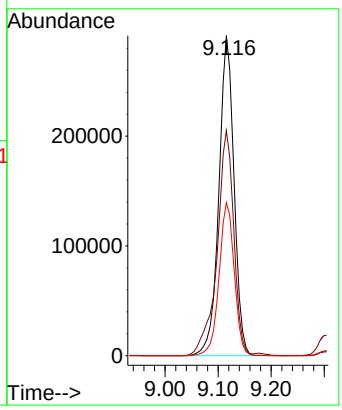


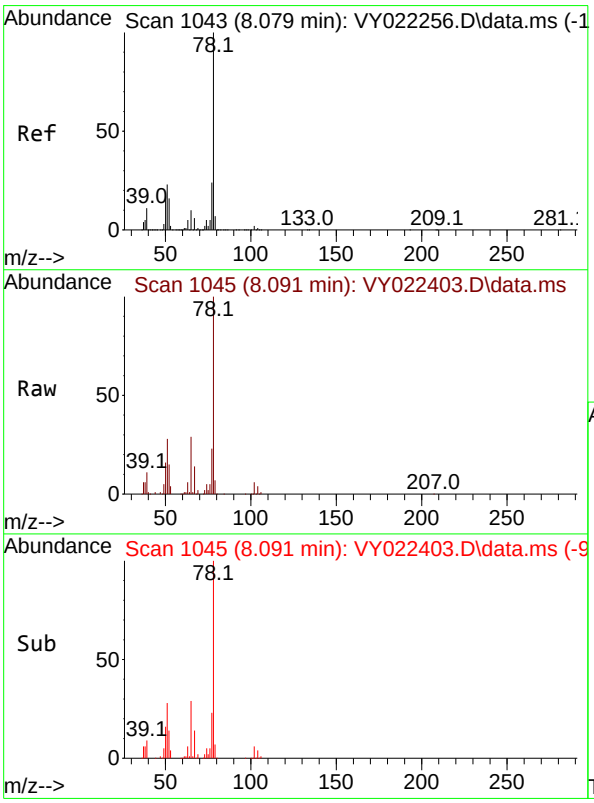
#39
Methylcyclohexane
Concen: 107.159 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion: 83 Resp: 577391

Ion	Ratio	Lower	Upper
83	100		
55	70.3	60.6	90.8
98	47.8	40.0	60.0

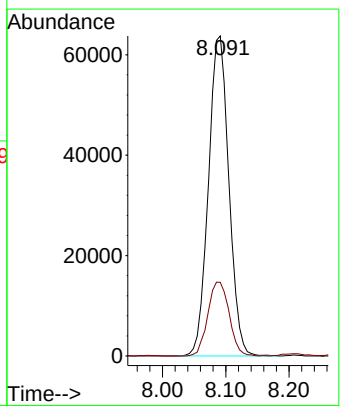


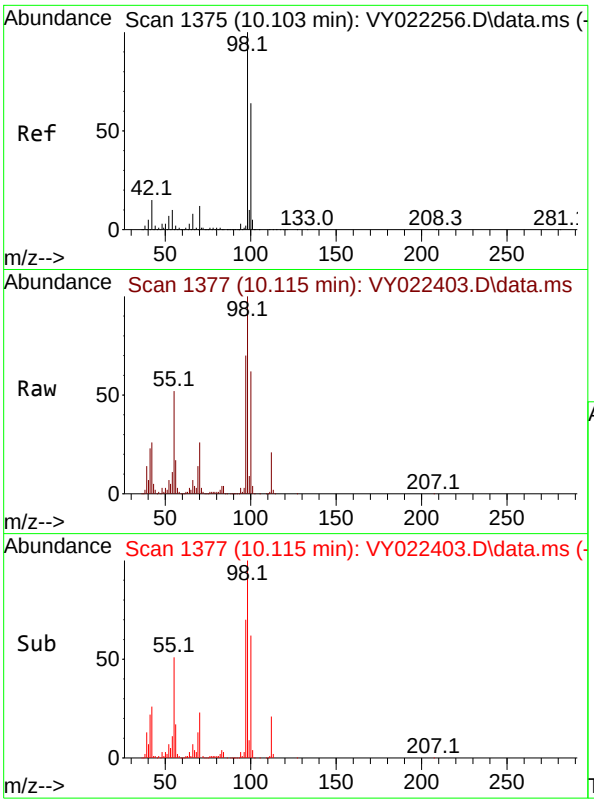


#40
Benzene
Concen: 12.027 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 78 Resp: 142995

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3



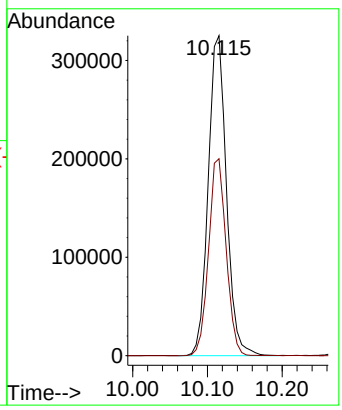


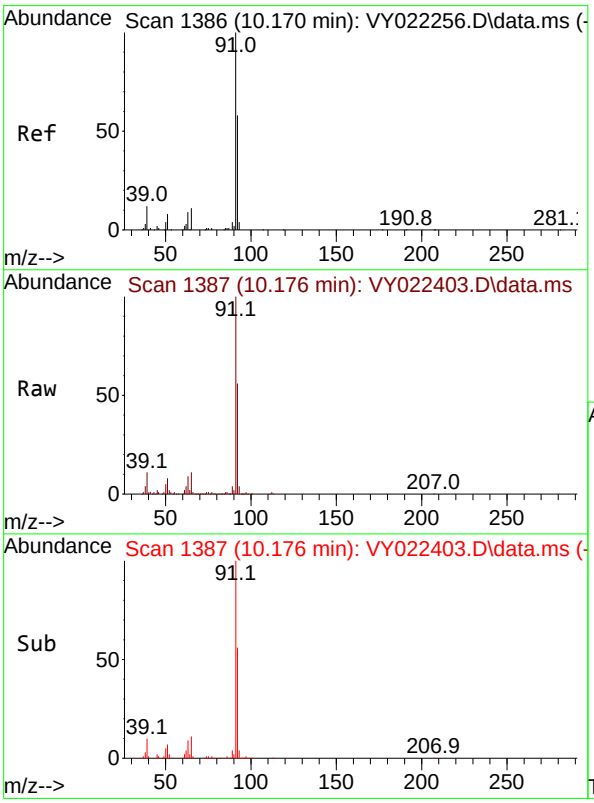
#50
Toluene-d8
Concen: 55.382 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion: 98 Resp: 552290

Ion	Ratio	Lower	Upper
98	100		
100	59.4	51.8	77.8

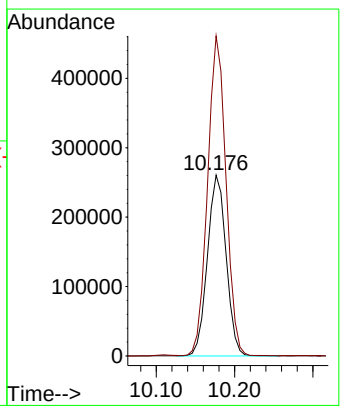


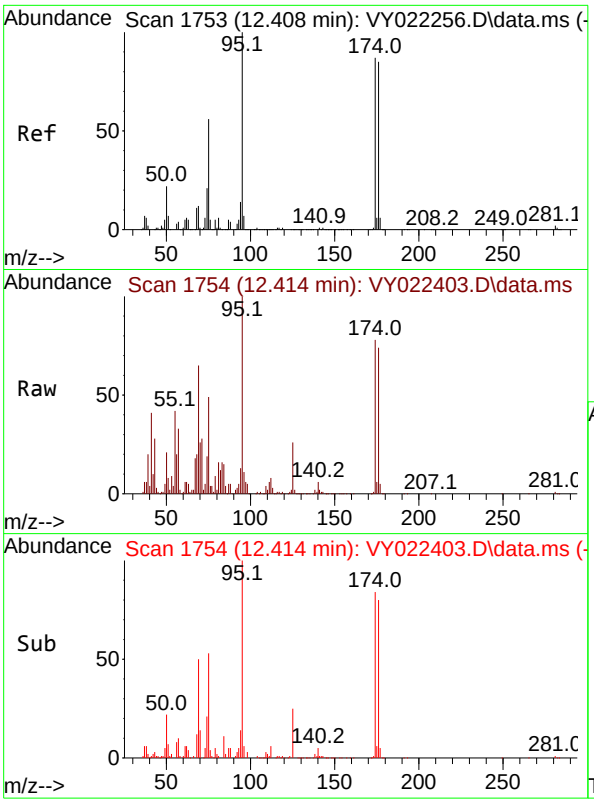


#52
Toluene
Concen: 57.313 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 92 Resp: 431499

Ion	Ratio	Lower	Upper
92	100		
91	173.6	139.1	208.7



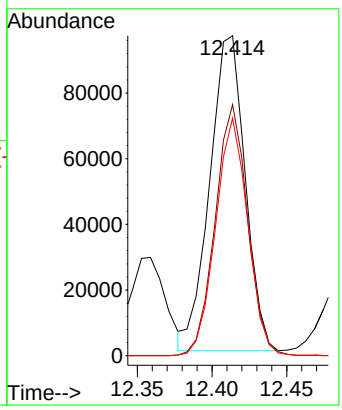


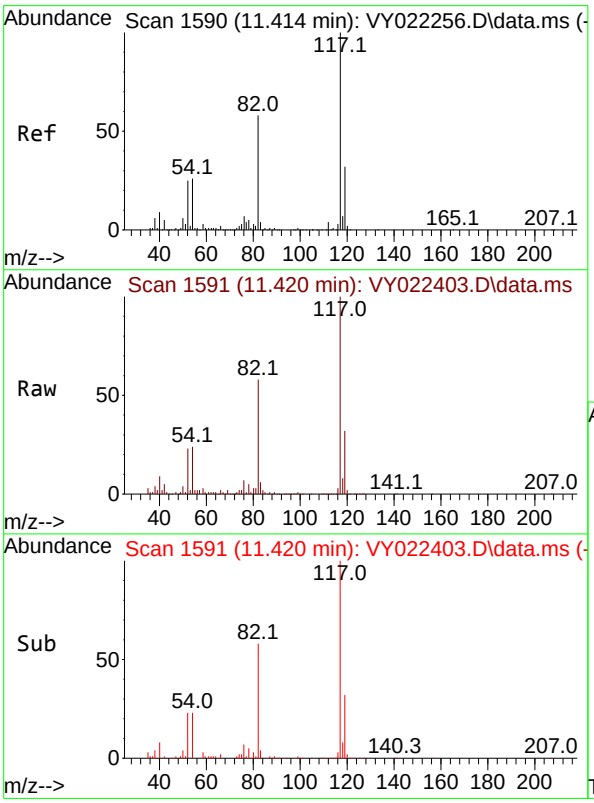
#62
4-Bromofluorobenzene
Concen: 49.856 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion: 95 Resp: 157590

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	166.8
176	68.8	0.0	160.8

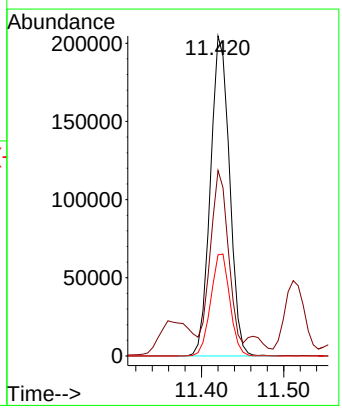


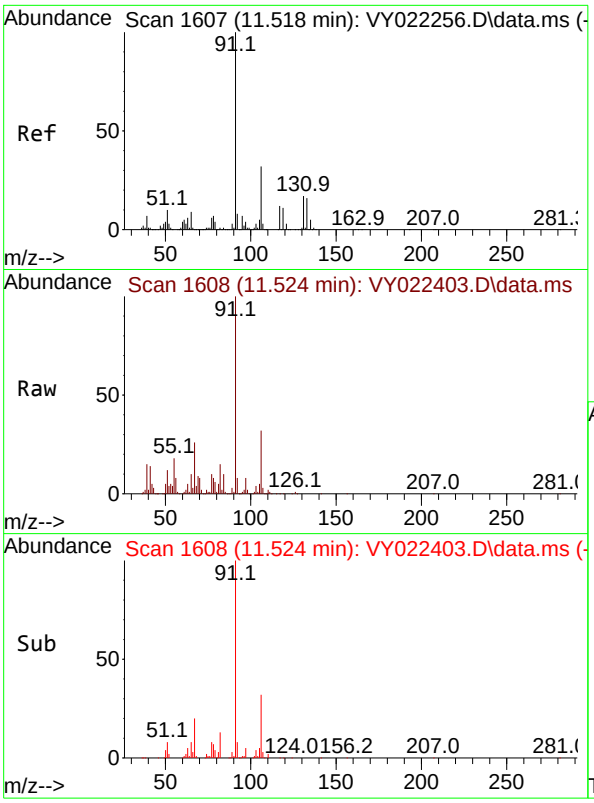


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:117 Resp: 330547

Ion	Ratio	Lower	Upper
117	100		
82	53.1	46.6	70.0
119	31.6	25.8	38.6



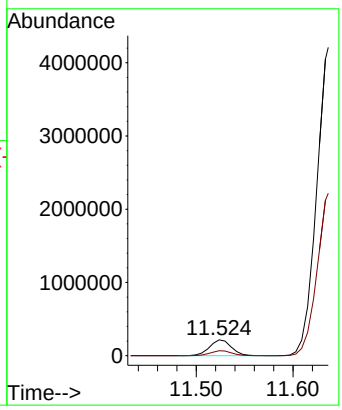


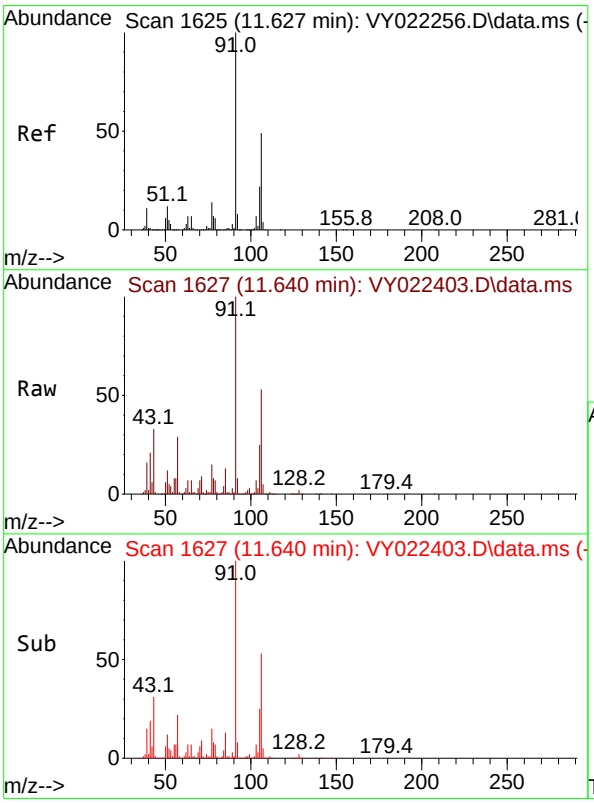
#67
Ethyl Benzene
Concen: 24.165 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion: 91 Resp: 337502

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.4	38.0

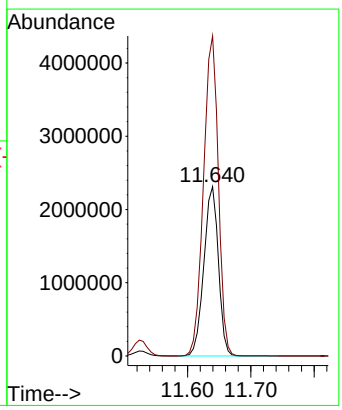


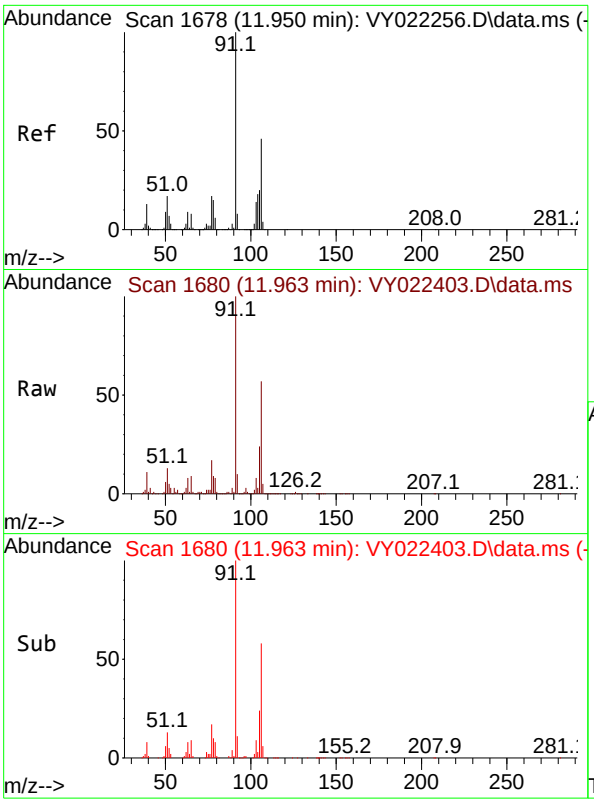


#68
m/p-Xylenes
Concen: 702.518 ug/l
RT: 11.640 min Scan# 1627
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:106 Resp: 3697162

Ion	Ratio	Lower	Upper
106	100		
91	192.9	163.0	244.4



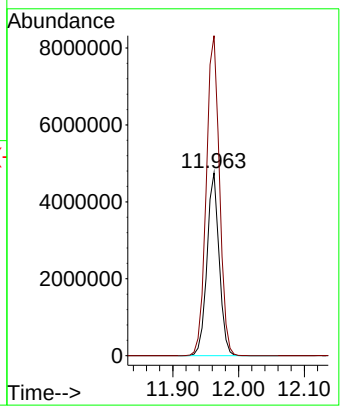


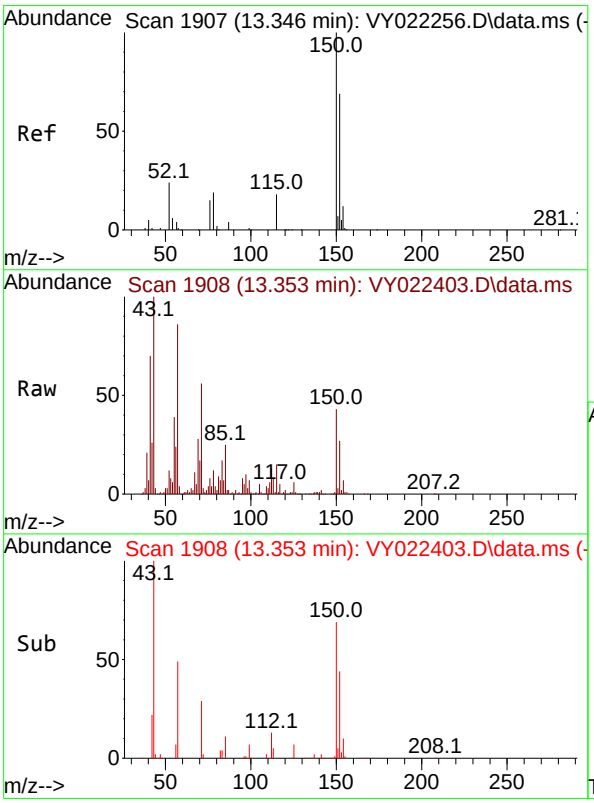
#69
o-Xylene
Concen: 1227.325 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion:106 Resp: 6111078

Ion	Ratio	Lower	Upper
106	100		
91	190.2	108.3	324.8

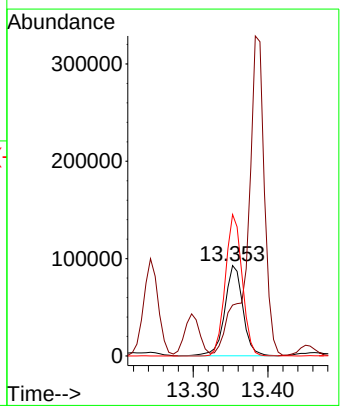


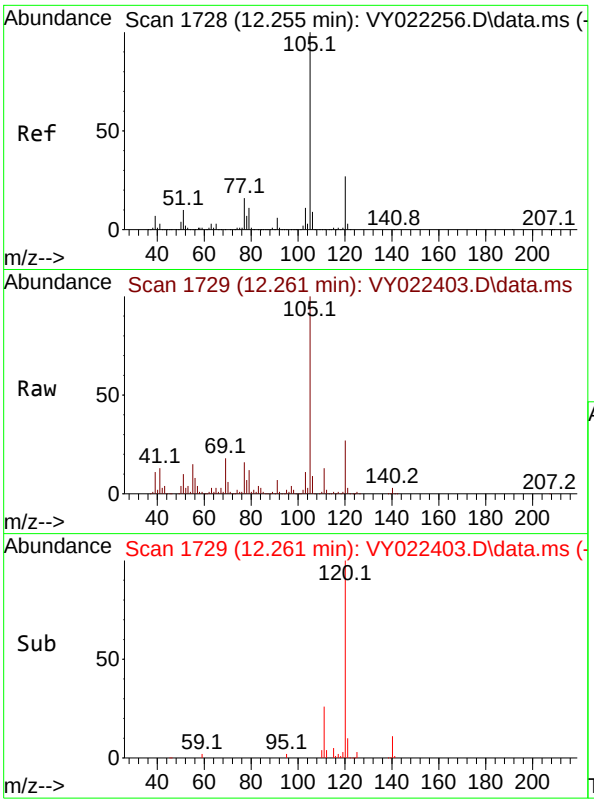


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:152 Resp: 155760

Ion	Ratio	Lower	Upper
152	100		
115	0.0	29.4	88.2#
150	146.2	0.0	353.8



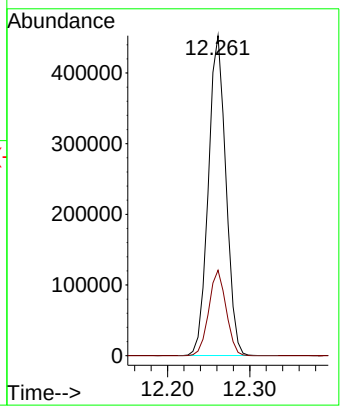


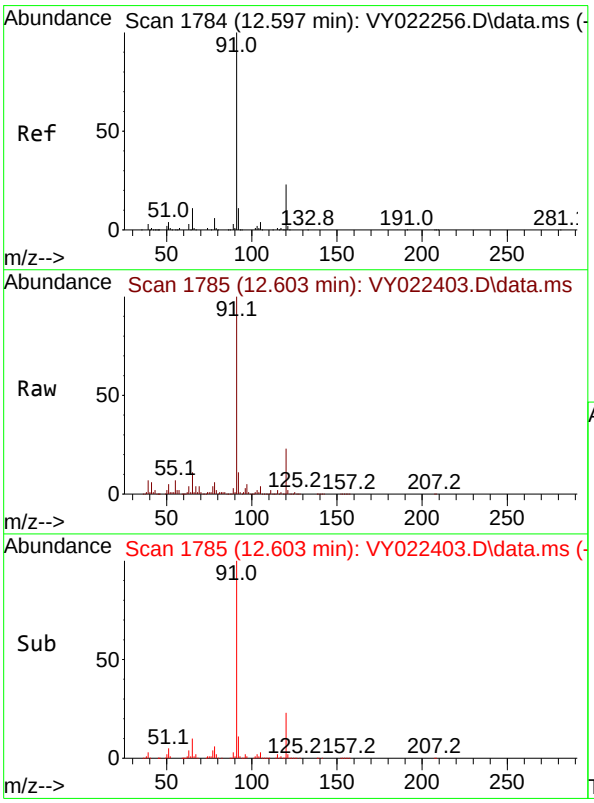
#73
Isopropylbenzene
Concen: 51.931 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion:105 Resp: 670113

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

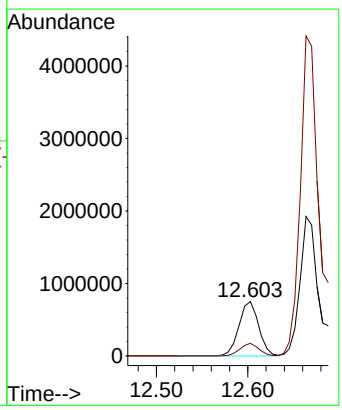


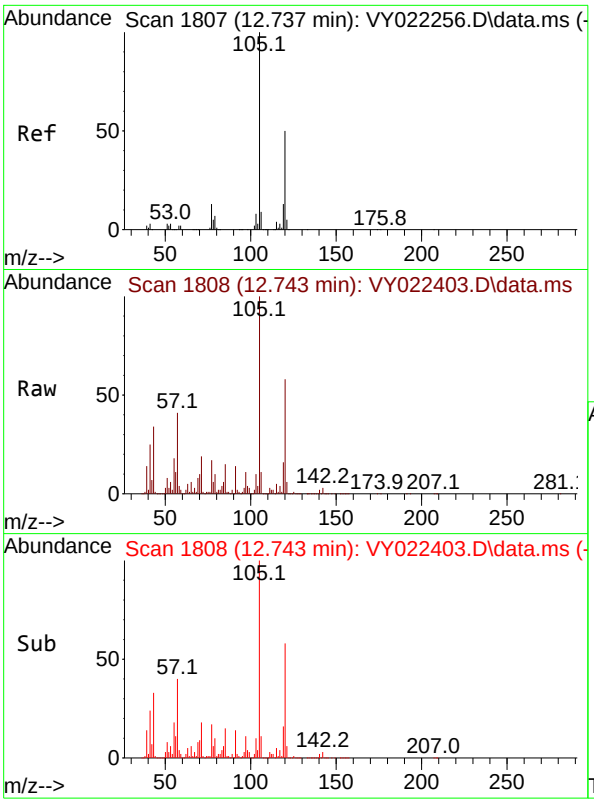


#78
n-propylbenzene
Concen: 72.082 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion: 91 Resp: 1121922

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3



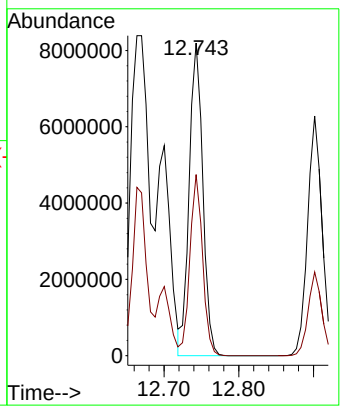


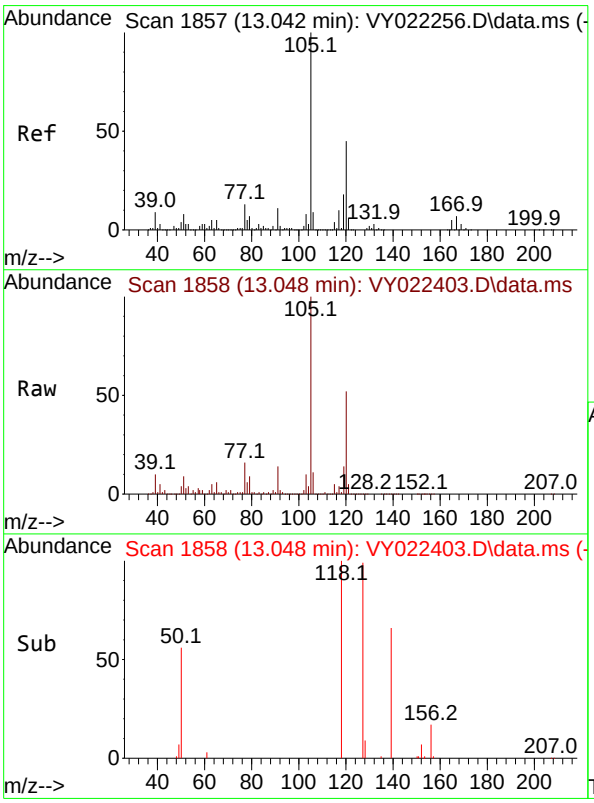
#80
1,3,5-Trimethylbenzene
Concen: 991.235 ug/l
RT: 12.743 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion:105 Resp:10325259

Ion	Ratio	Lower	Upper
105	100		
120	54.2	24.2	72.6

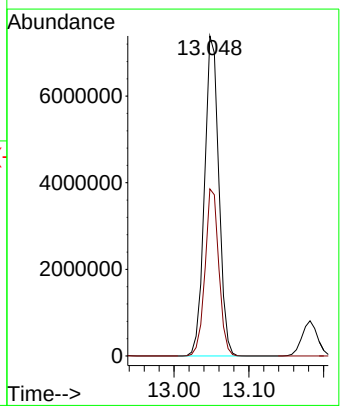


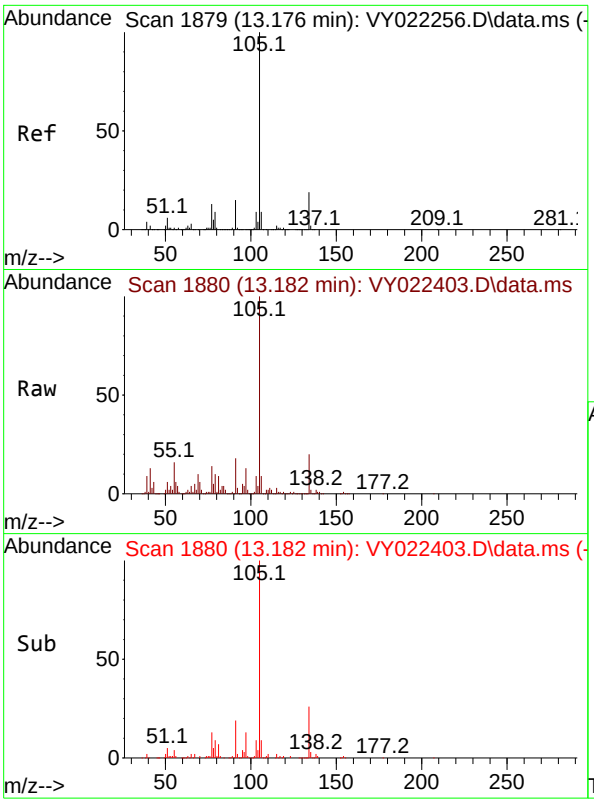


#84
1,2,4-Trimethylbenzene
Concen: 948.437 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:105 Resp: 9807116

Ion	Ratio	Lower	Upper
105	100		
120	50.3	22.3	66.9



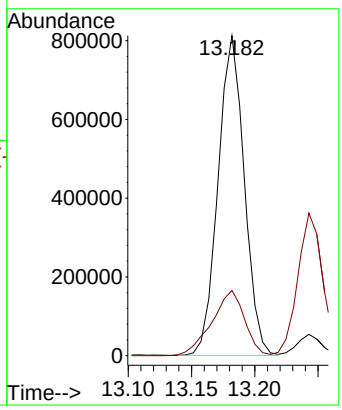


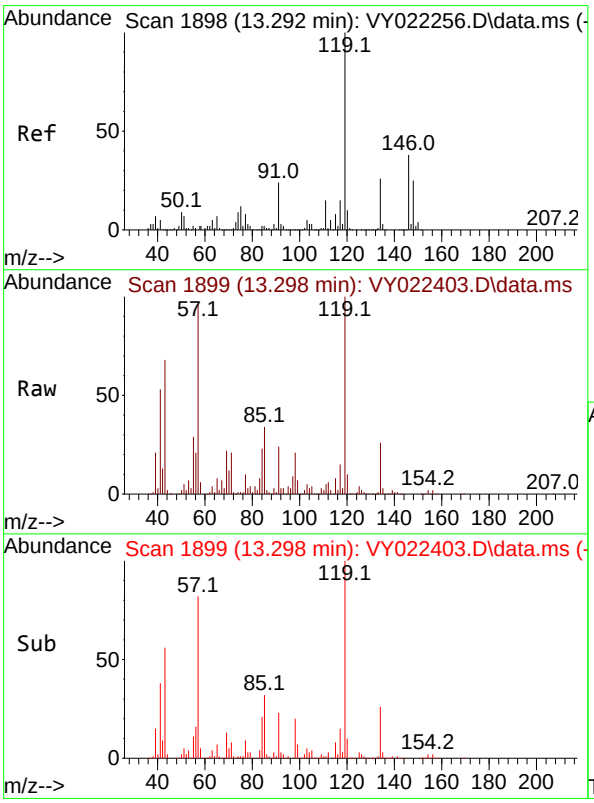
#85
sec-Butylbenzene
Concen: 84.998 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion:105 Resp: 1168163

Ion	Ratio	Lower	Upper
105	100		
134	25.5	9.8	29.5

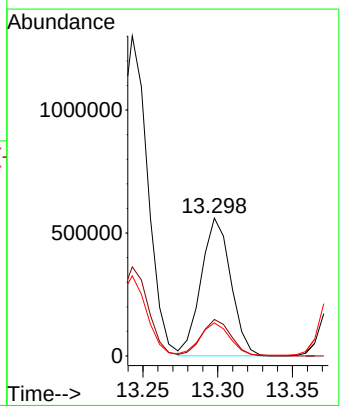


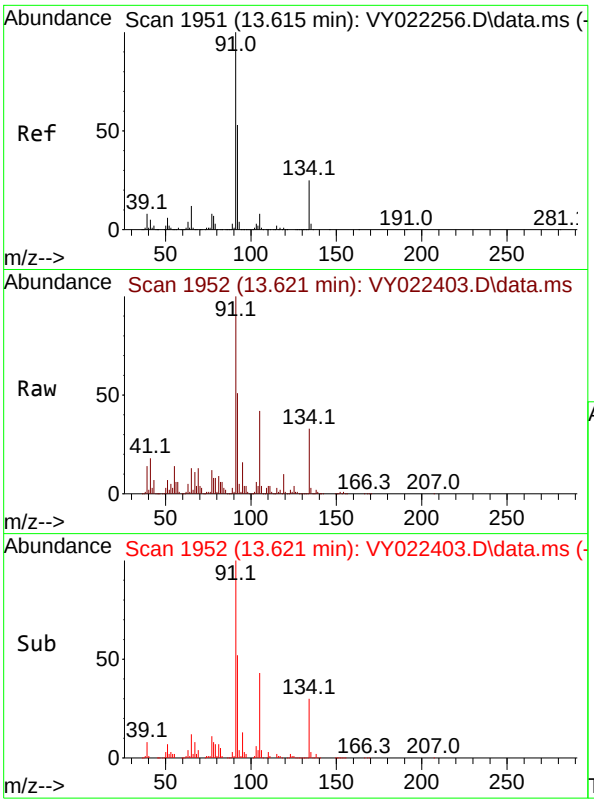


#86
p-Isopropyltoluene
Concen: 67.007 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Tgt Ion:119 Resp: 774515

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	23.2	12.1	36.3



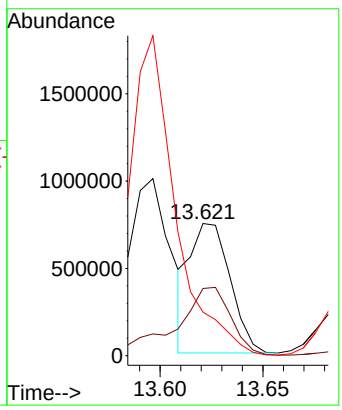


#89
n-Butylbenzene
Concen: 92.163 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022403.D
Acq: 22 May 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :
SS-MW1-11.5

Tgt Ion: 91 Resp: 1007822

Ion	Ratio	Lower	Upper
91	100		
92	71.8	26.3	78.9
134	0.0	12.4	37.4#



Raw Data: **VX046336.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-MW1-11.5ME	SDG No.:	Q2075
Lab Sample ID:	Q2075-06ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91
Sample Wt/Vol:	8.36 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046336.D	1		05/23/25 11:46	VX052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	160	UD	26.0	160	ug/Kg
108-88-3	Toluene	83.3	JD	25.6	160	ug/Kg
100-41-4	Ethyl Benzene	110	JD	22.0	160	ug/Kg
1330-20-7	Total Xylenes	630	D	67.6	490	ug/Kg
98-82-8	Isopropylbenzene	42.8	JD	25.6	160	ug/Kg
103-65-1	n-propylbenzene	130	JD	24.0	160	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	220	D	26.9	160	ug/Kg
98-06-6	tert-Butylbenzene	160	UD	22.0	160	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	810	D	21.0	160	ug/Kg
135-98-8	sec-Butylbenzene	63.9	JD	21.7	160	ug/Kg
99-87-6	p-Isopropyltoluene	43.7	JD	20.4	160	ug/Kg
104-51-8	n-Butylbenzene	180	D	47.6	160	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61400	5.544			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	110000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48700	12.024			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046336.D
Acq On : 23 May 2025 11:46
Operator : JC/MD
Sample : Q2075-06ME
Misc : 8.36g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Quant Time: May 23 12:11:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

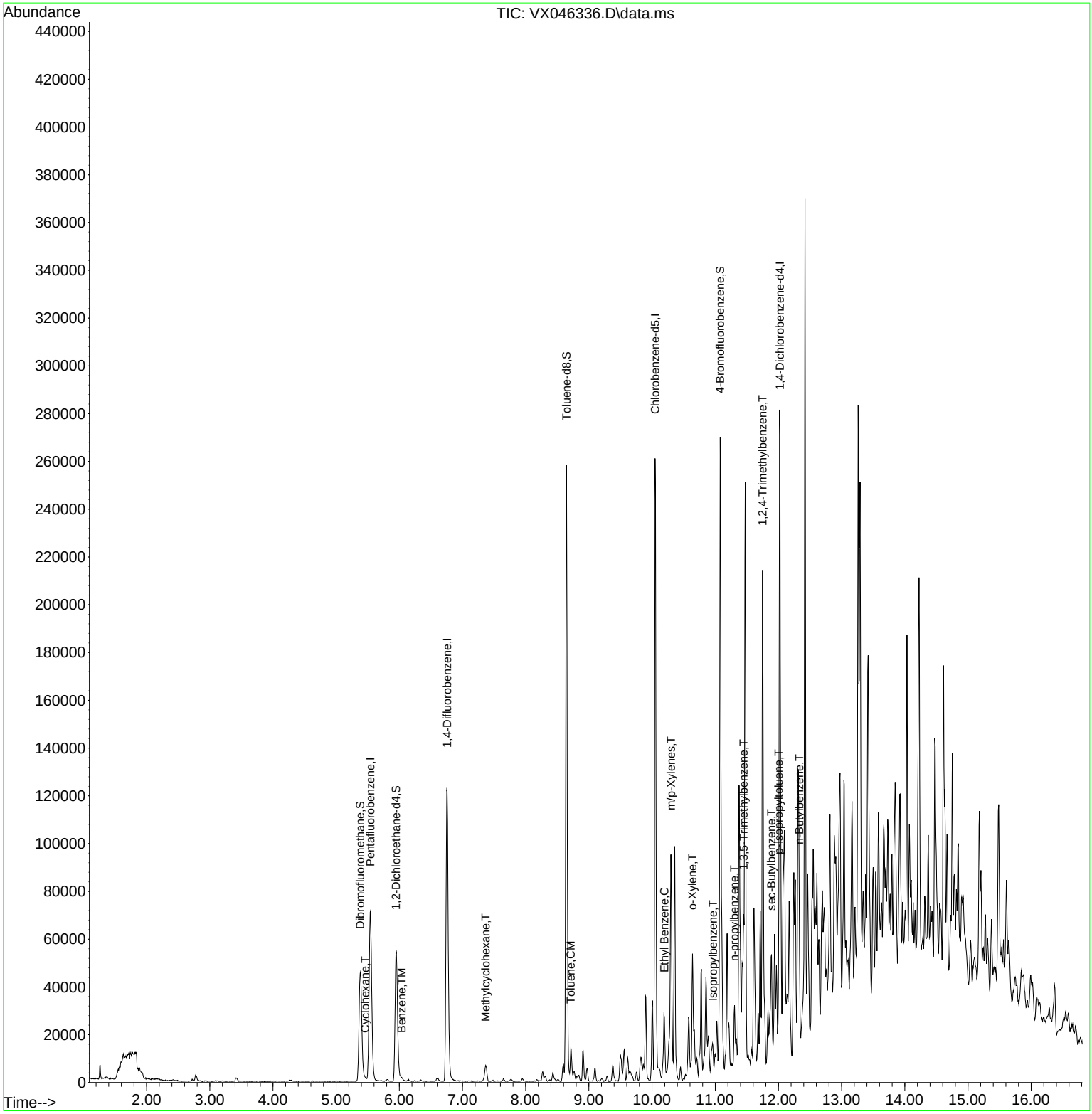
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	61392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	110366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58363	50.992	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.980%			
35) Dibromofluoromethane	5.379	113	41500	48.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	8.647	98	150629	50.745	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.079	95	58615	51.479	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.960%			
Target Compounds						Qvalue
31) Cyclohexane	5.458	56	676	0.496	ug/l #	95
39) Methylcyclohexane	7.367	83	2823	1.903	ug/l	85
40) Benzene	6.037	78	1650	0.489	ug/l #	87
52) Toluene	8.714	92	5245	2.534	ug/l	98
67) Ethyl Benzene	10.195	91	14088	3.308	ug/l	89
68) m/p-Xylenes	10.299	106	19090	12.258	ug/l	98
69) o-Xylene	10.640	106	10725	7.064	ug/l	98
73) Isopropylbenzene	10.963	105	4939	1.303	ug/l	92
78) n-propylbenzene	11.305	91	17106	3.882	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	21294	6.725	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	79105	24.671	ug/l	98
85) sec-Butylbenzene	11.890	105	7610	1.943	ug/l	95
86) p-Isopropyltoluene	12.006	119	4298	1.330	ug/l	97
89) n-Butylbenzene	12.329	91	15953	5.627	ug/l #	48

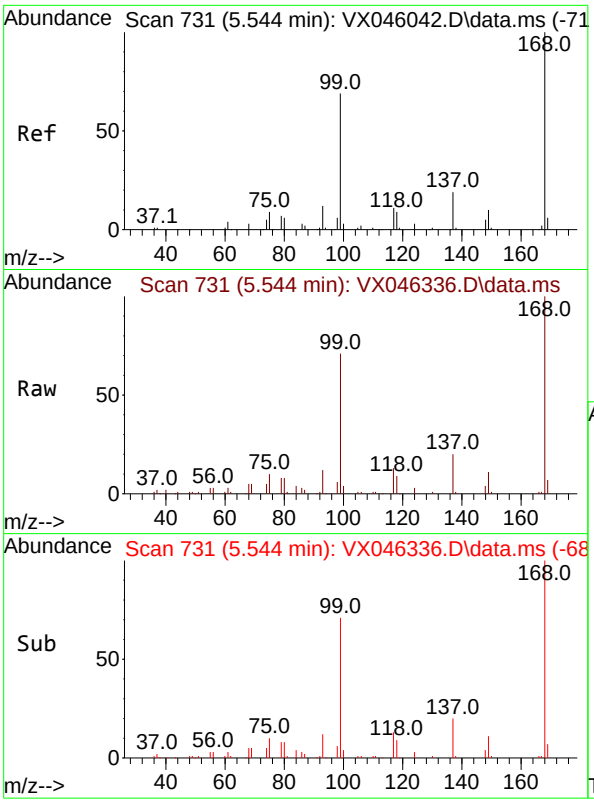
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046336.D
Acq On : 23 May 2025 11:46
Operator : JC/MD
Sample : Q2075-06ME
Misc : 8.36g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Quant Time: May 23 12:11:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



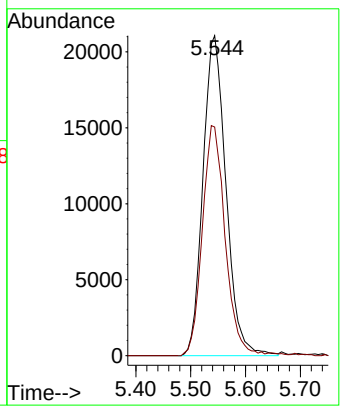


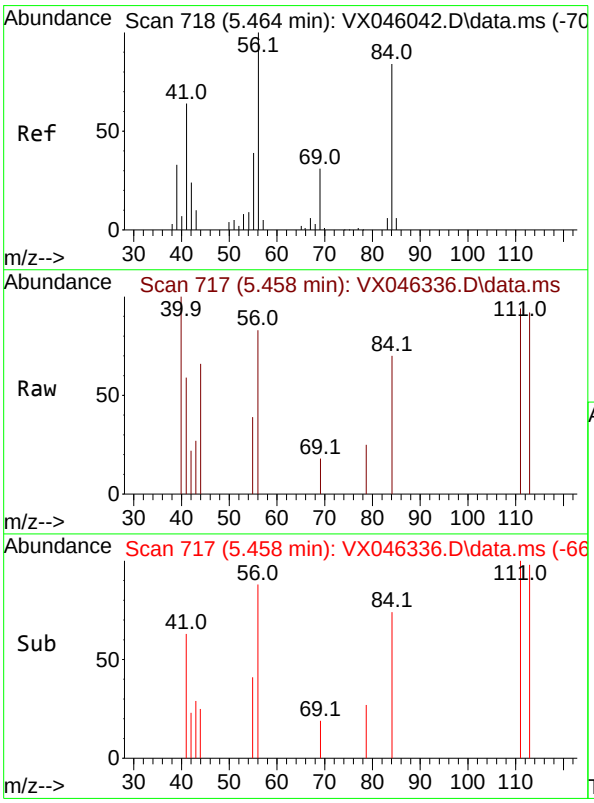
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion:168 Resp: 61392

Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3

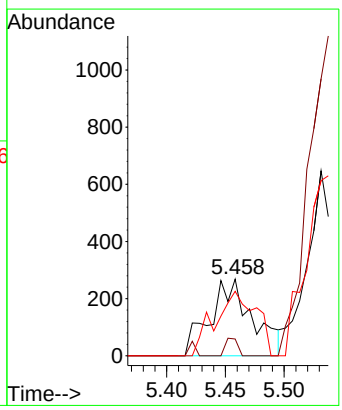


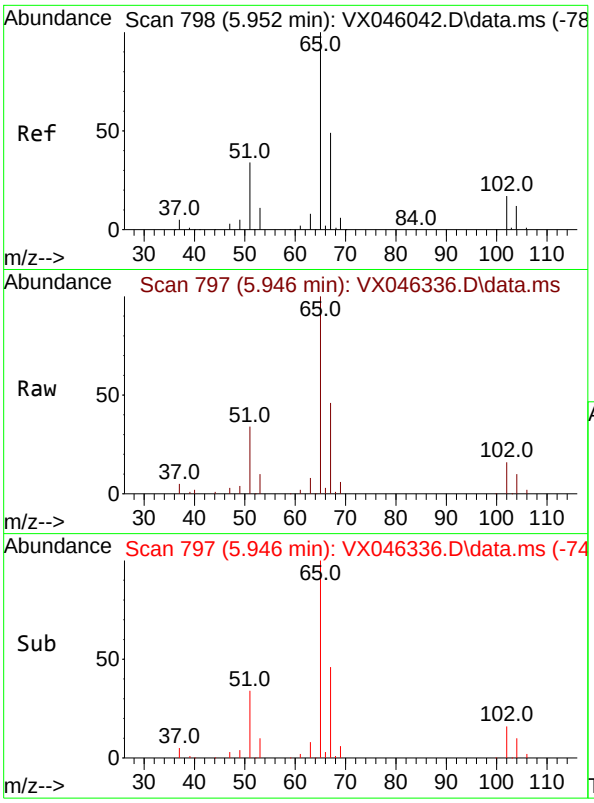


#31
Cyclohexane
Concen: 0.496 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion: 56 Resp: 676

Ion	Ratio	Lower	Upper
56	100		
69	22.0	24.4	36.6#
84	84.3	66.9	100.3



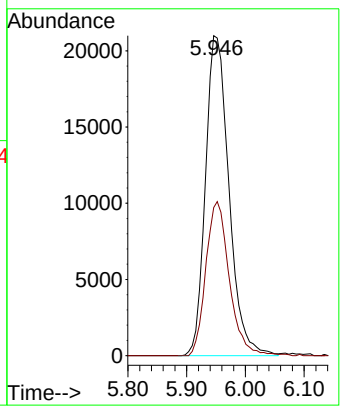


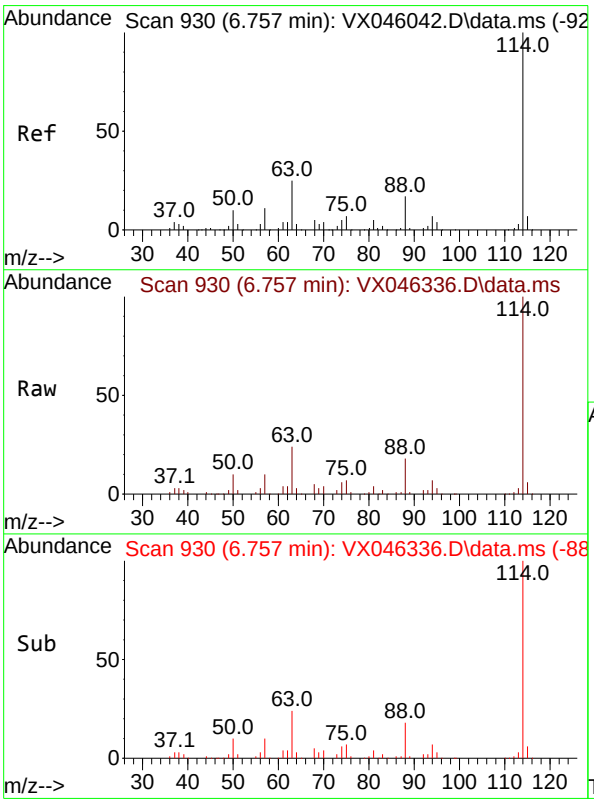
#33
1,2-Dichloroethane-d4
Concen: 50.992 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion: 65 Resp: 58363

Ion	Ratio	Lower	Upper
65	100		
67	48.2	0.0	99.0

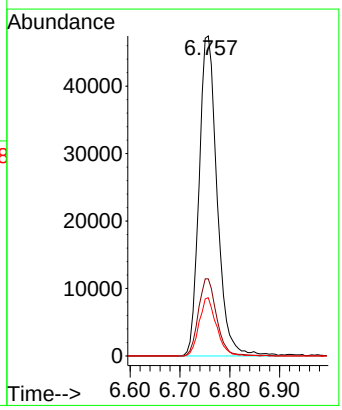


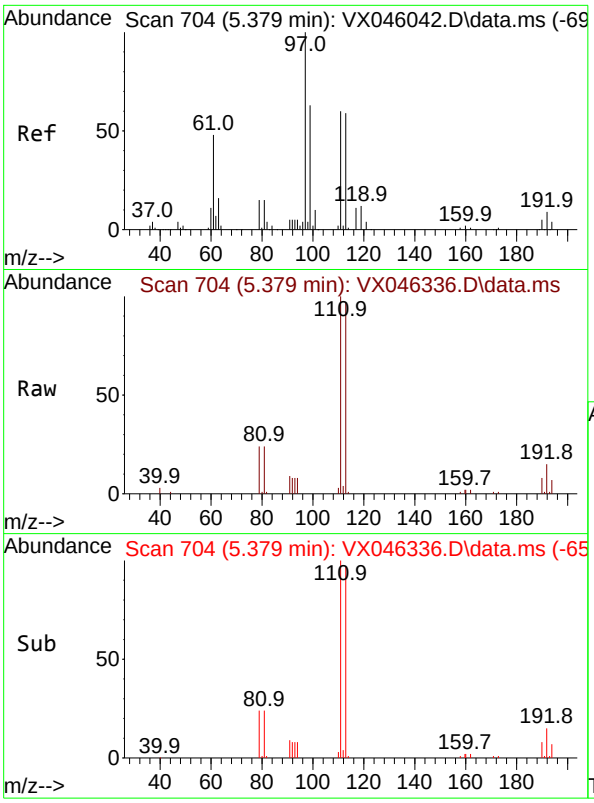


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion:114 Resp: 119098

Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	18.2	0.0	33.6



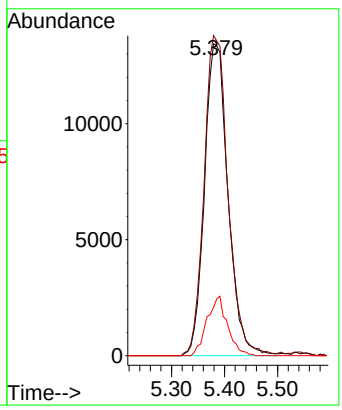


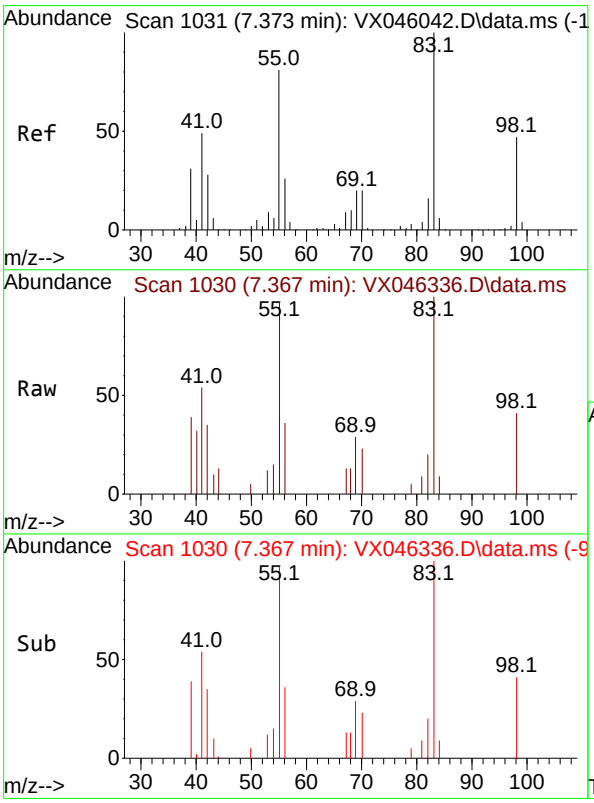
#35
Dibromofluoromethane
Concen: 48.389 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion:113 Resp: 41500

Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.1	124.7
192	16.6	13.3	19.9

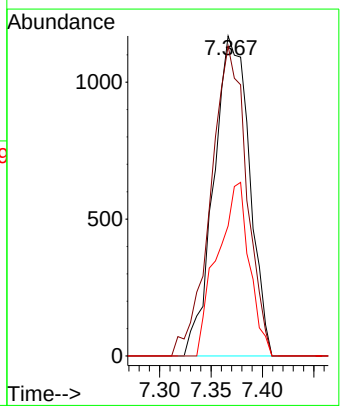


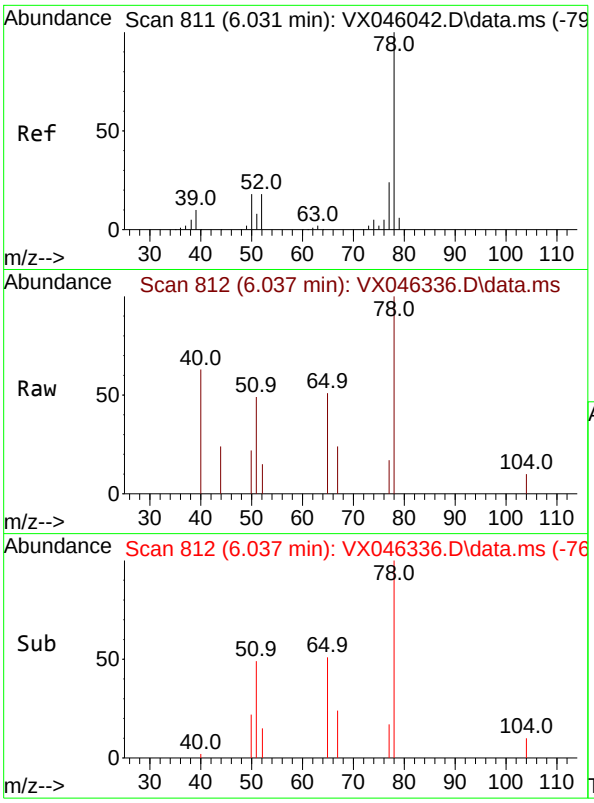


#39
Methylcyclohexane
Concen: 1.903 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion: 83 Resp: 2823

Ion	Ratio	Lower	Upper
83	100		
55	96.8	64.7	97.1
98	40.6	37.4	56.2



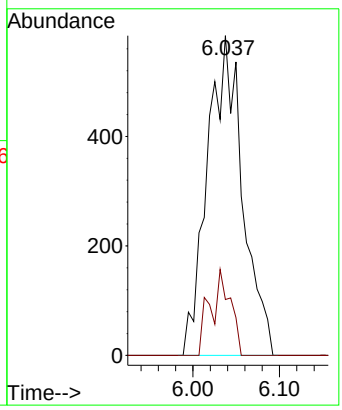


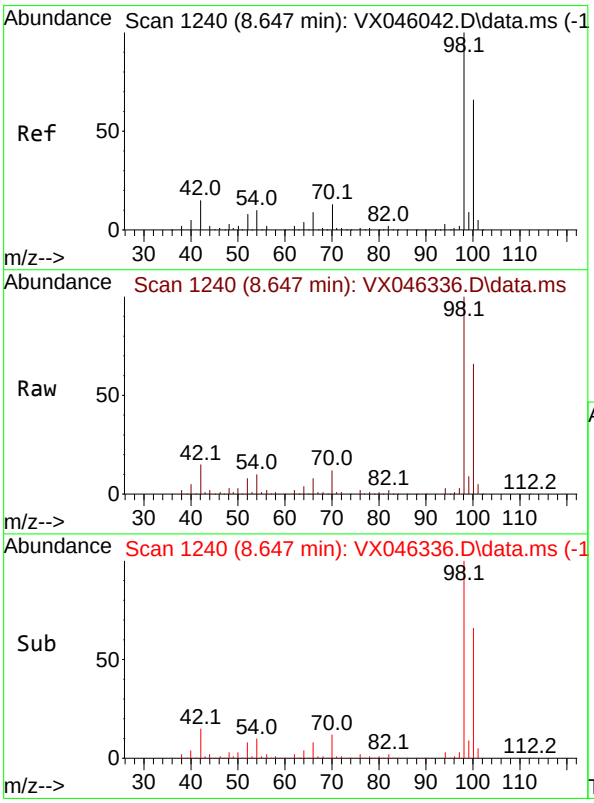
#40
Benzene
Concen: 0.489 ug/l
RT: 6.037 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion: 78 Resp: 1650

Ion	Ratio	Lower	Upper
78	100		
77	17.5	19.0	28.4#

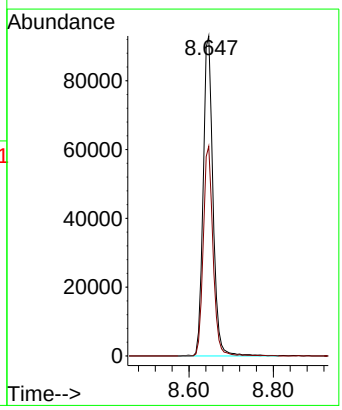


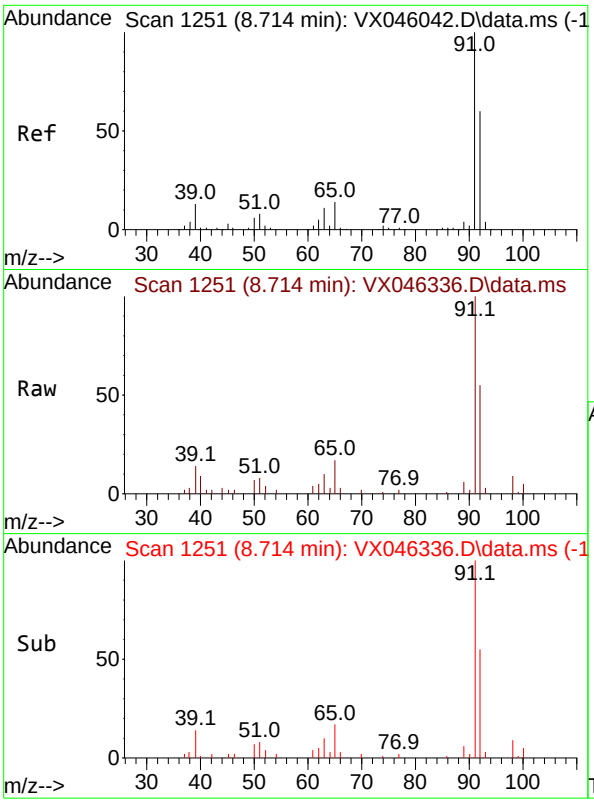


#50
Toluene-d8
Concen: 50.745 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion: 98 Resp: 150629

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.5	80.3



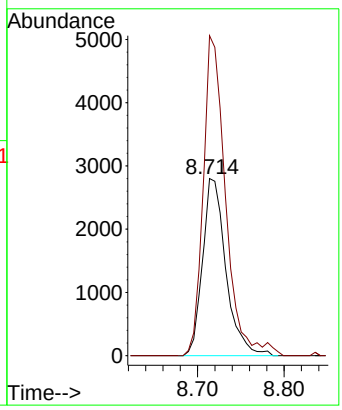


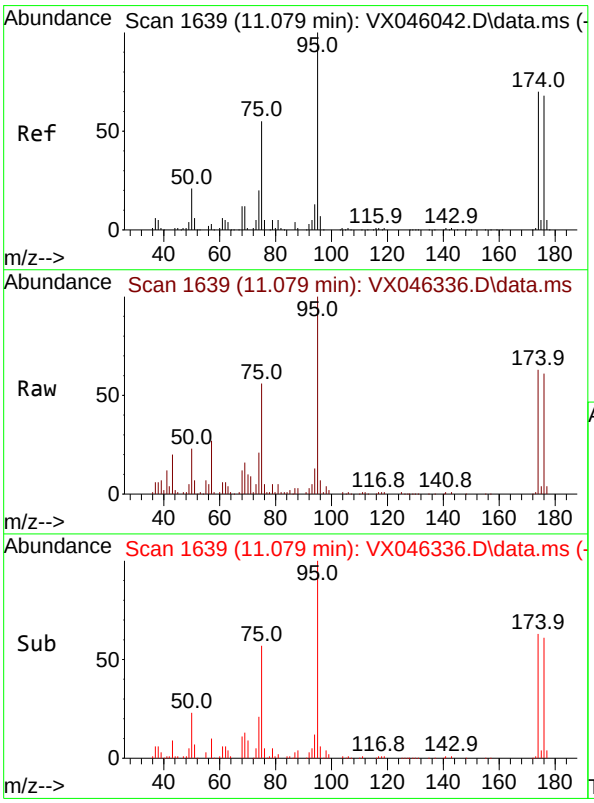
#52
Toluene
Concen: 2.534 ug/l
RT: 8.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion: 92 Resp: 5245

Ion	Ratio	Lower	Upper
92	100		
91	173.4	136.6	205.0

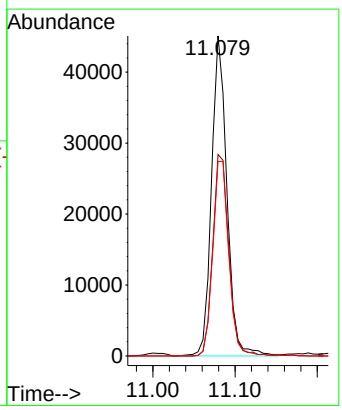


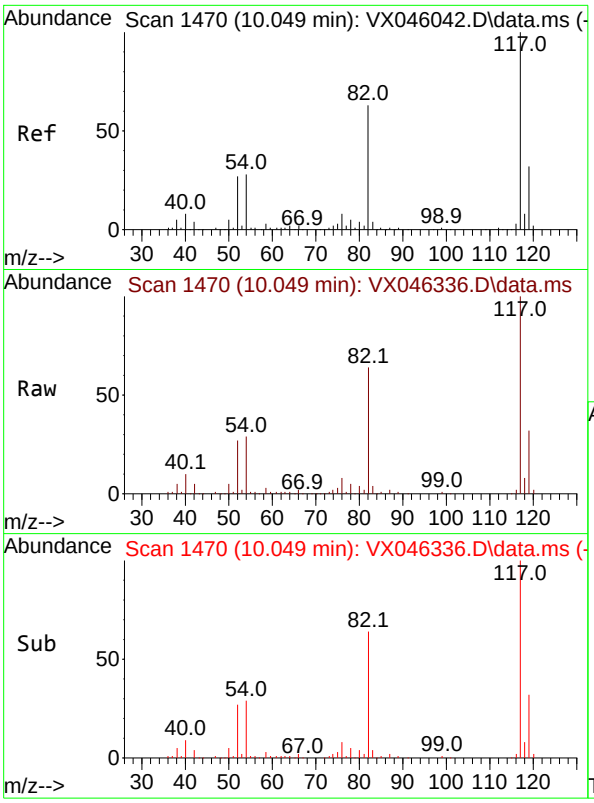


#62
4-Bromofluorobenzene
Concen: 51.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion: 95 Resp: 58615

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	135.8
176	63.5	0.0	131.4



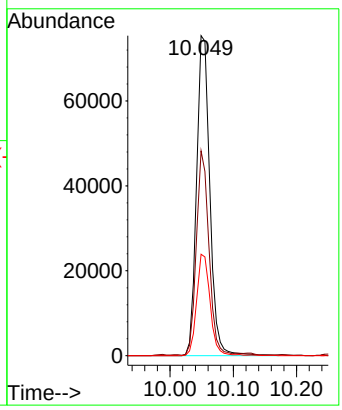


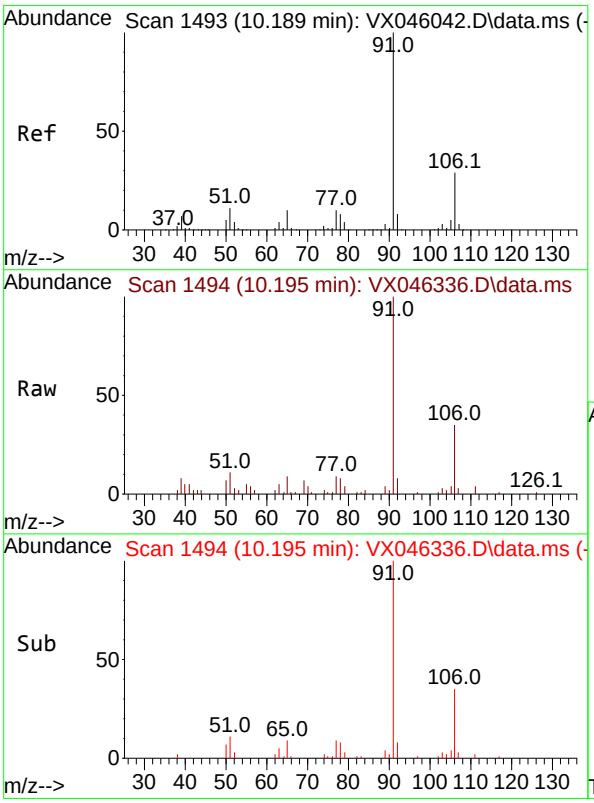
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion:117 Resp: 110366

Ion	Ratio	Lower	Upper
117	100		
82	63.7	50.6	76.0
119	31.7	25.8	38.6

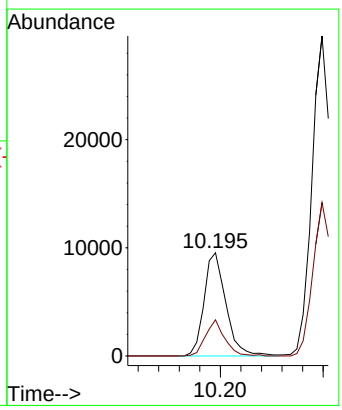


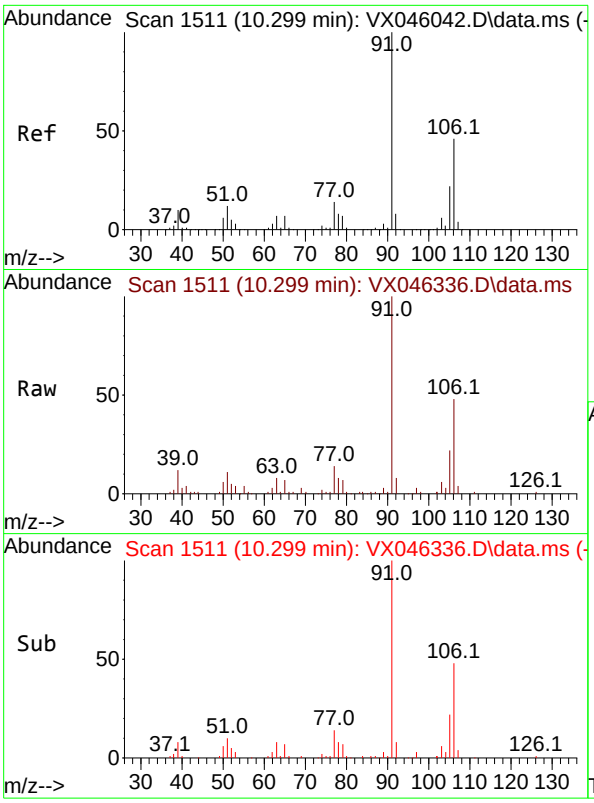


#67
Ethyl Benzene
Concen: 3.308 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion: 91 Resp: 14088

Ion	Ratio	Lower	Upper
91	100		
106	35.0	23.4	35.2



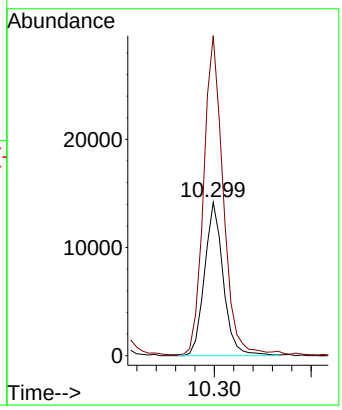


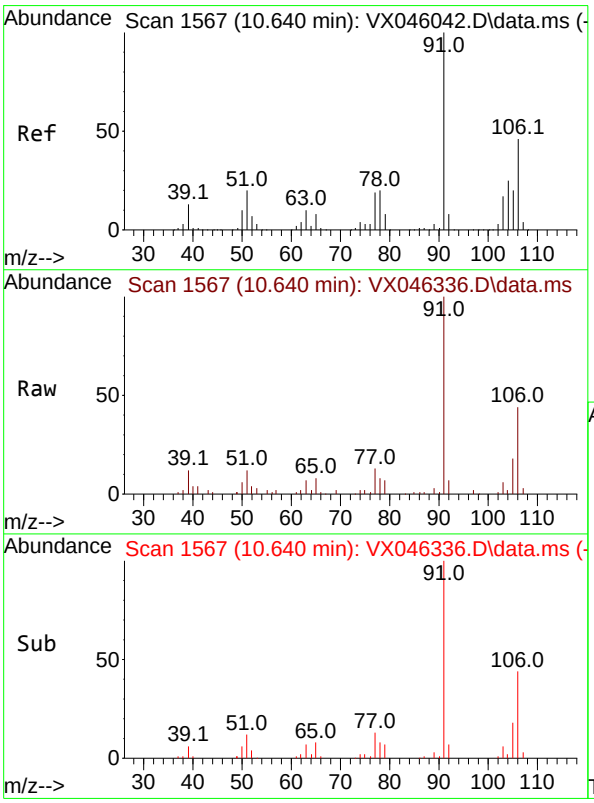
#68
m/p-Xylenes
Concen: 12.258 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion:106 Resp: 19090

Ion	Ratio	Lower	Upper
106	100		
91	217.2	171.2	256.8

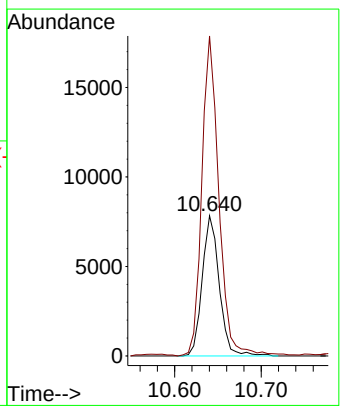


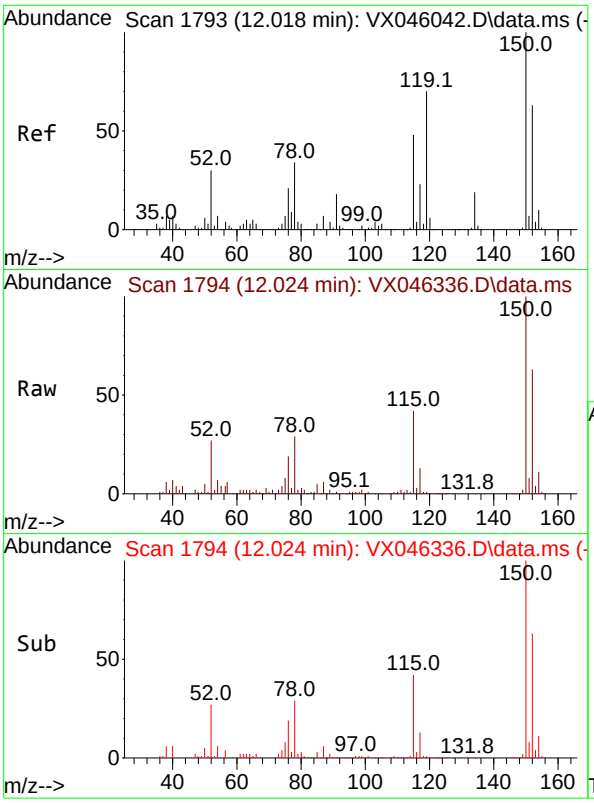


#69
o-Xylene
Concen: 7.064 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion:106 Resp: 10725

Ion	Ratio	Lower	Upper
106	100		
91	228.3	112.7	338.1



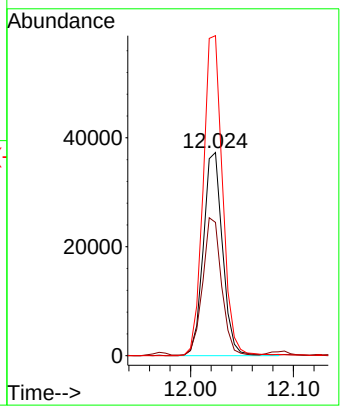


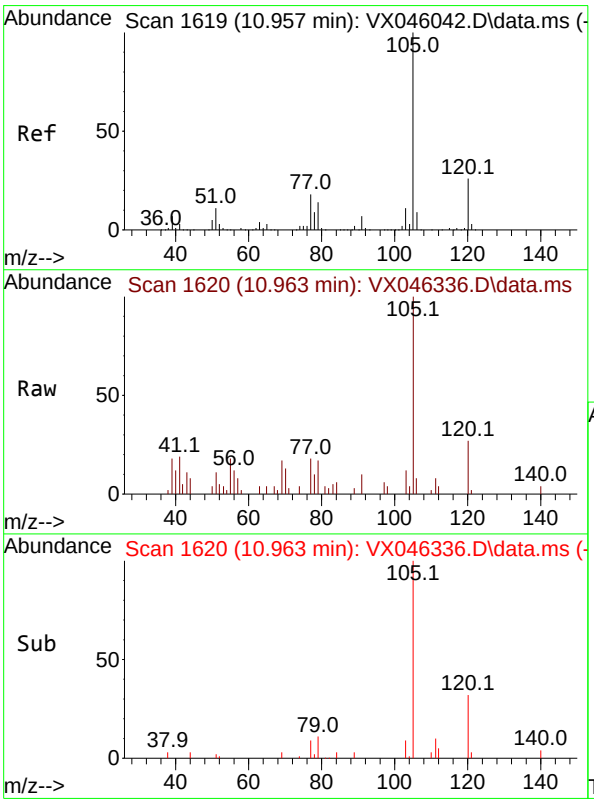
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion:152 Resp: 48680

Ion	Ratio	Lower	Upper
152	100		
115	66.1	46.9	140.7
150	158.9	0.0	351.0

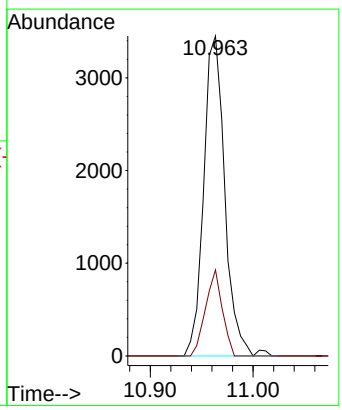


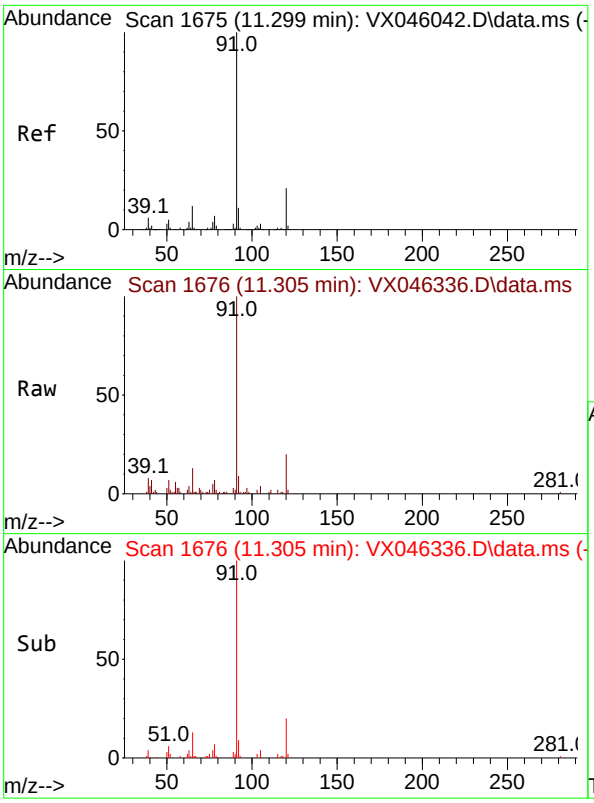


#73
Isopropylbenzene
Concen: 1.303 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion:105 Resp: 4939

Ion	Ratio	Lower	Upper
105	100		
120	21.4	12.8	38.4



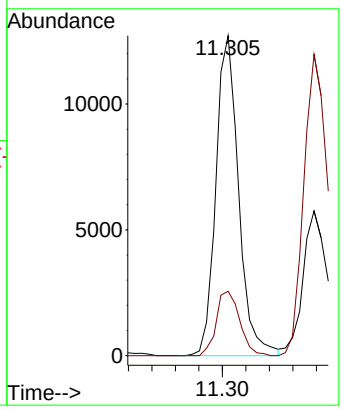


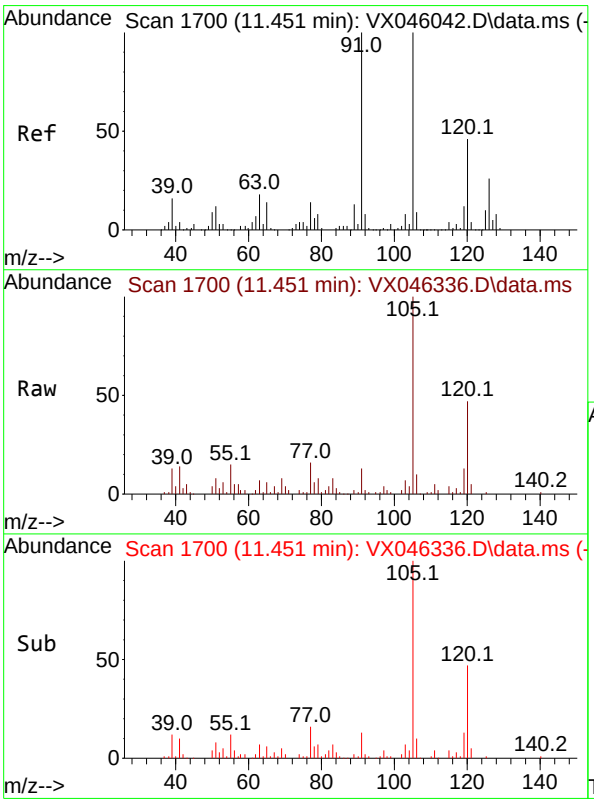
#78
n-propylbenzene
Concen: 3.882 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion: 91 Resp: 17106

Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.8	32.4

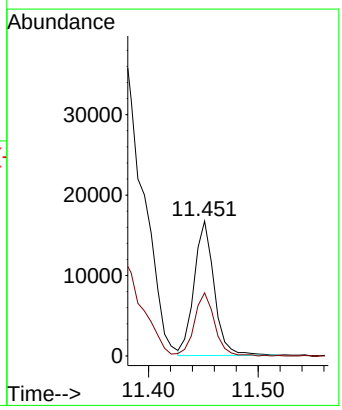


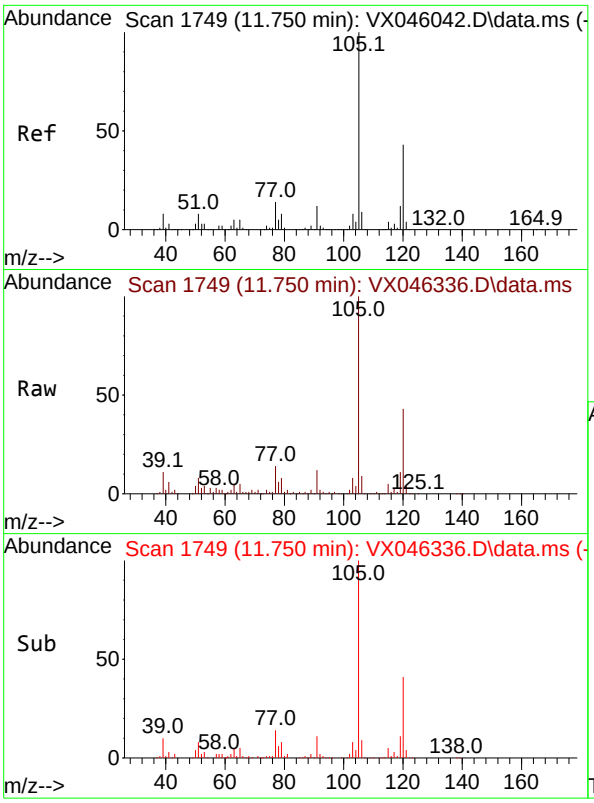


#80
1,3,5-Trimethylbenzene
Concen: 6.725 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion:105 Resp: 21294

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.1	69.2



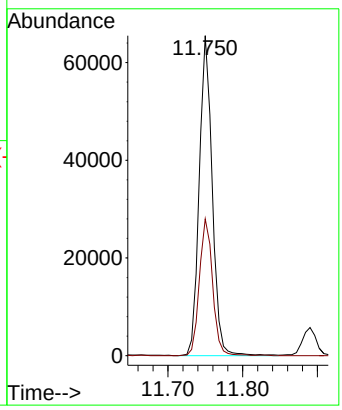


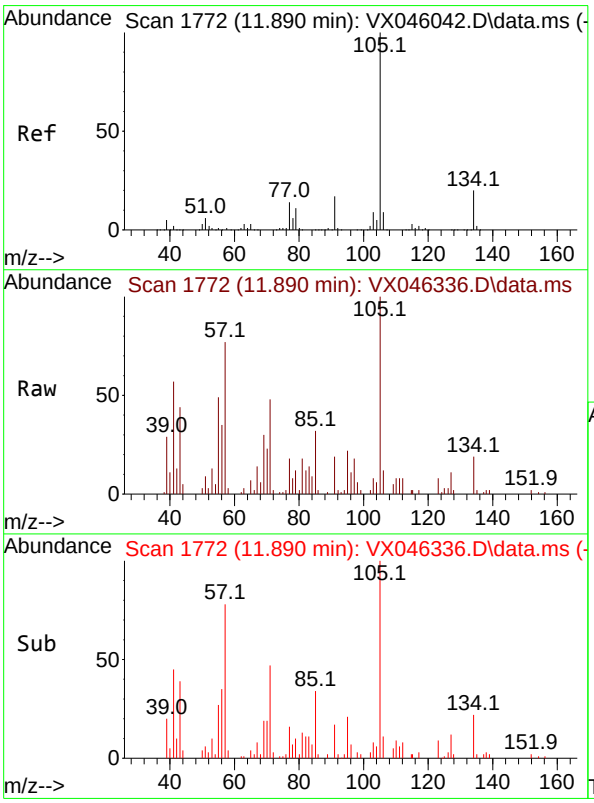
#84
1,2,4-Trimethylbenzene
Concen: 24.671 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion:105 Resp: 79105

Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.2	63.6

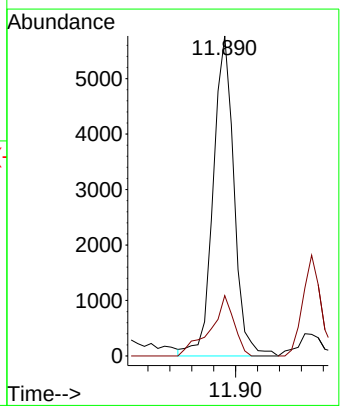


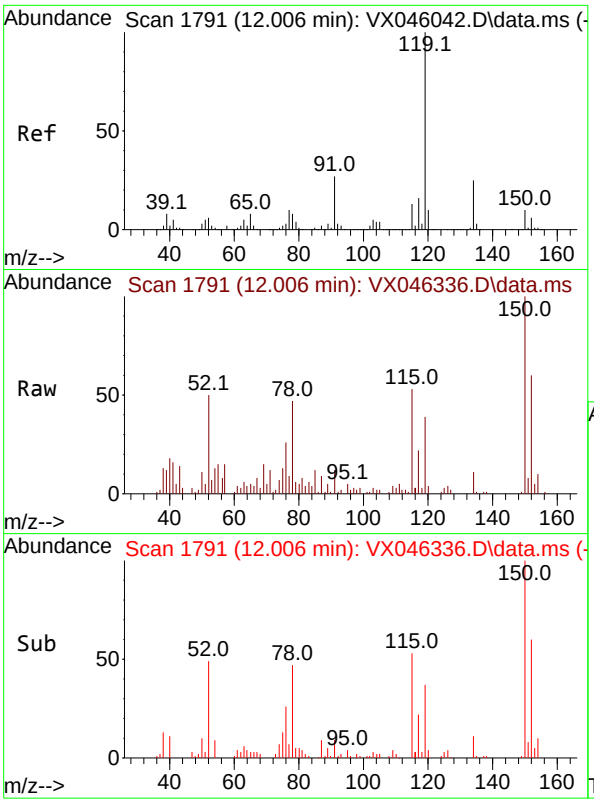


#85
sec-Butylbenzene
Concen: 1.943 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion:105 Resp: 7610

Ion	Ratio	Lower	Upper
105	100		
134	21.6	9.7	29.1



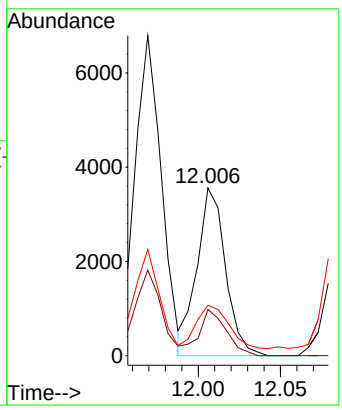


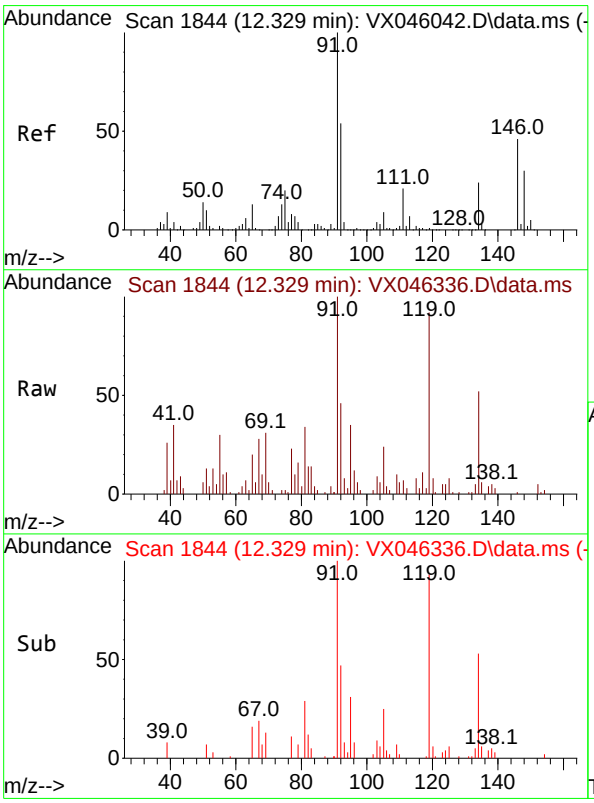
#86
p-Isopropyltoluene
Concen: 1.330 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
SS-MW1-11.5ME

Tgt Ion:119 Resp: 4298

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.5	37.5
91	29.0	13.8	41.4

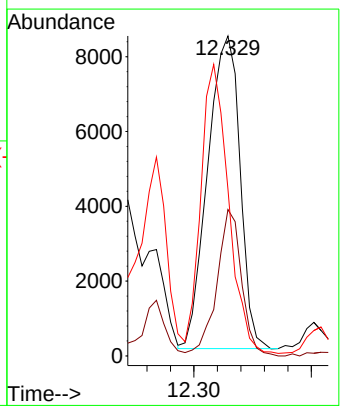




#89
n-Butylbenzene
Concen: 5.627 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046336.D
Acq: 23 May 2025 11:46

Tgt Ion: 91 Resp: 15953

Ion	Ratio	Lower	Upper
91	100		
92	35.9	26.9	80.7
134	79.2	11.8	35.3#



Raw Data: **VX046292.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	FB-05152025	SDG No.:	Q2075
Lab Sample ID:	Q2075-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046292.D	1		05/21/25 13:09	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63600	5.55			
540-36-3	1,4-Difluorobenzene	127000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	52600	12.018			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046292.D
Acq On : 21 May 2025 13:09
Operator : JC/MD
Sample : Q2075-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-05152025

Quant Time: May 22 01:48:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

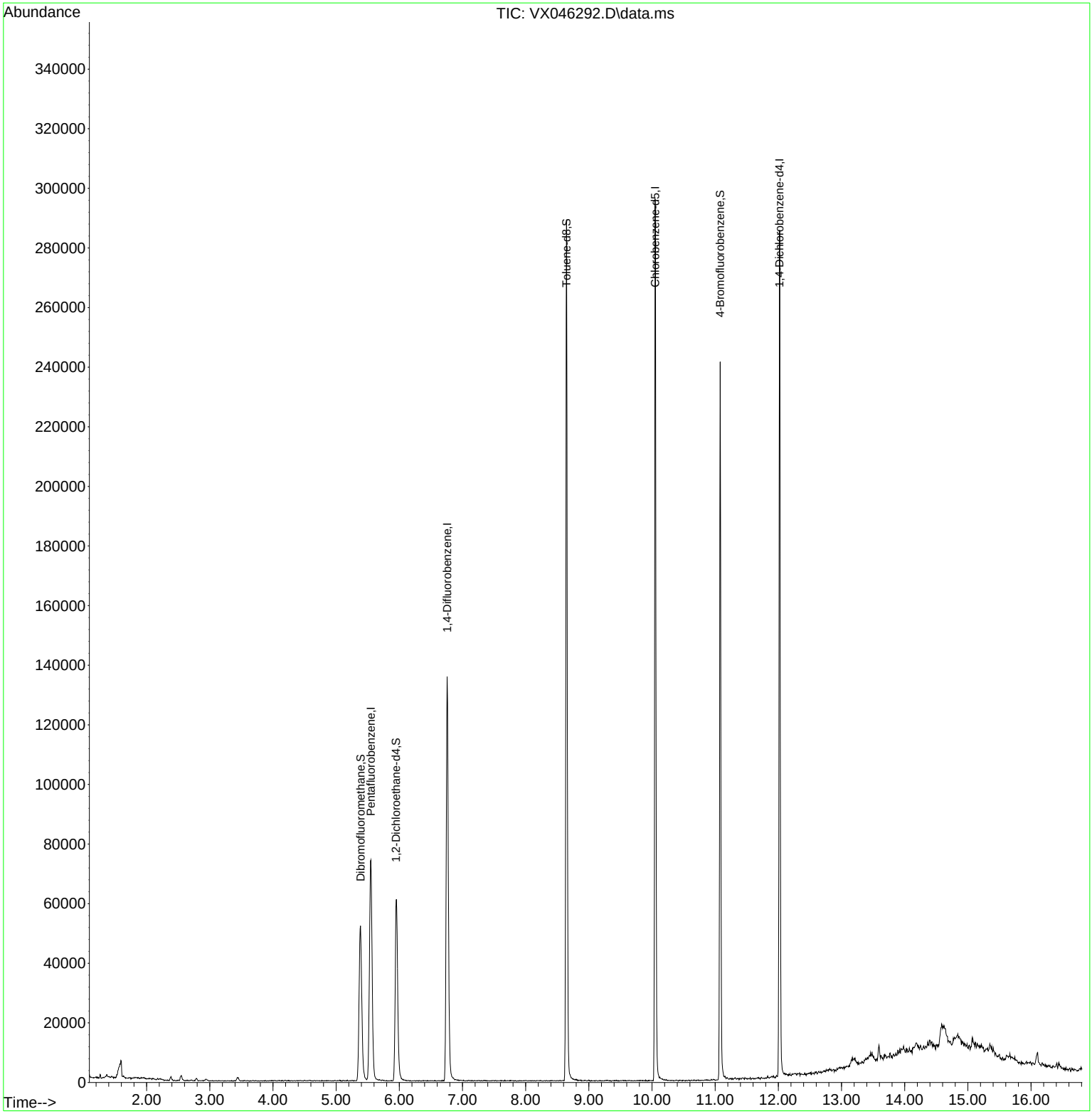
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	63566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63080	53.229	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.460%			
35) Dibromofluoromethane	5.385	113	44990	49.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.640%			
50) Toluene-d8	8.647	98	159992	50.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.340%			
62) 4-Bromofluorobenzene	11.079	95	63027	52.039	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.080%			
Target Compounds						Qvalue

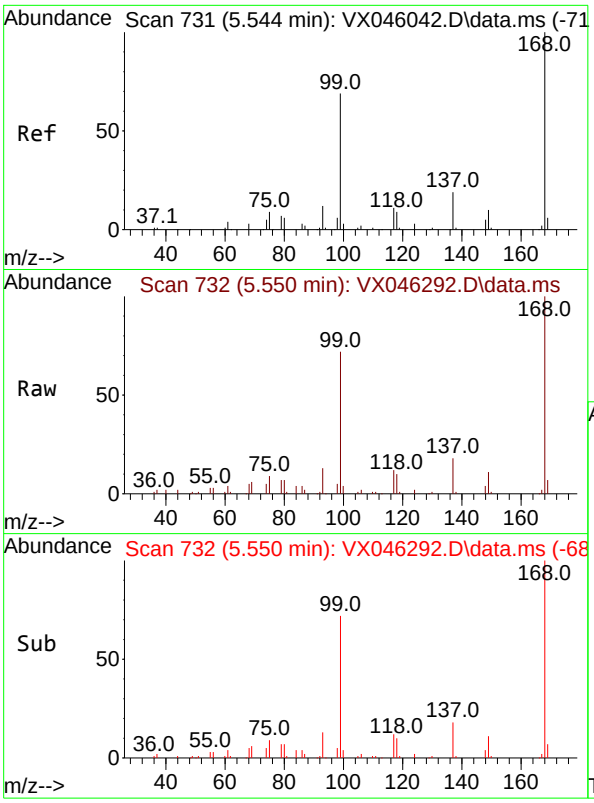
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046292.D
Acq On : 21 May 2025 13:09
Operator : JC/MD
Sample : Q2075-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-05152025

Quant Time: May 22 01:48:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



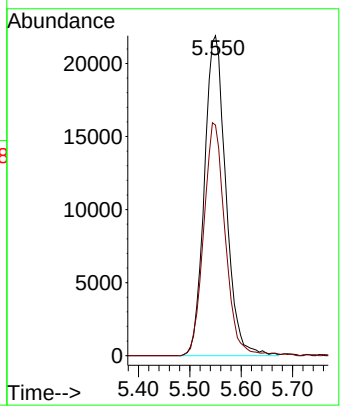


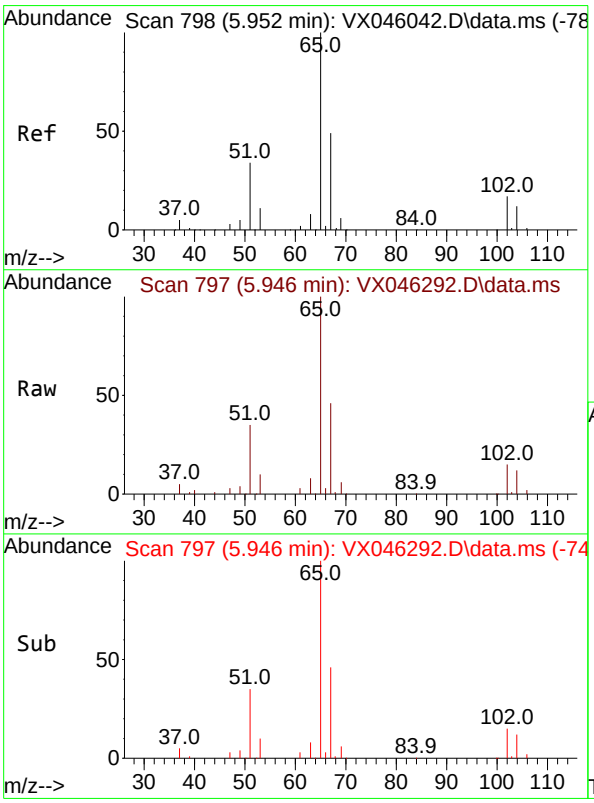
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
FB-05152025

Tgt Ion:168 Resp: 63566

Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3

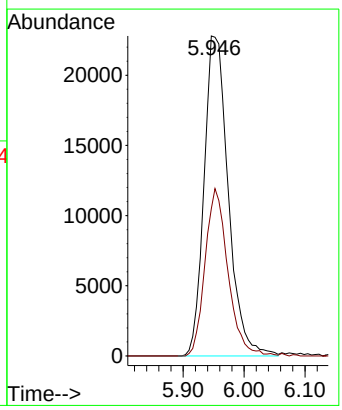


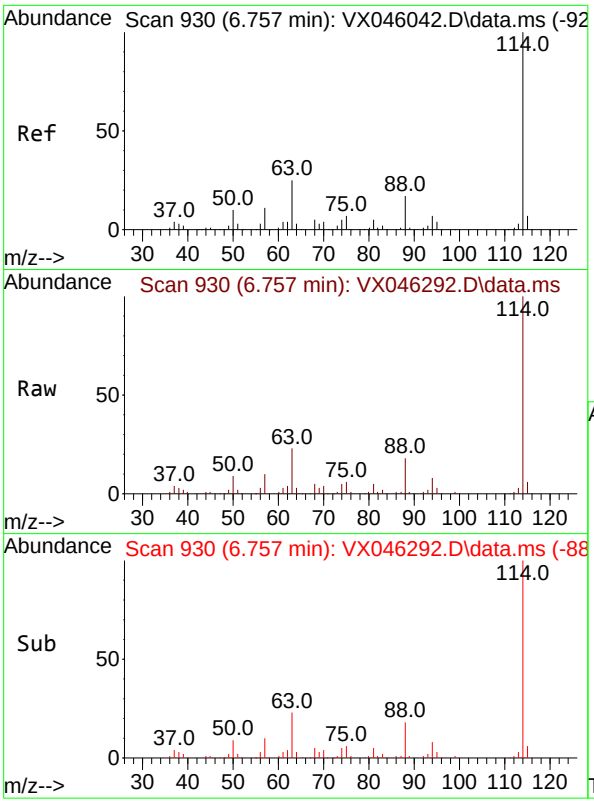


#33
1,2-Dichloroethane-d4
Concen: 53.229 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Tgt Ion: 65 Resp: 63080

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



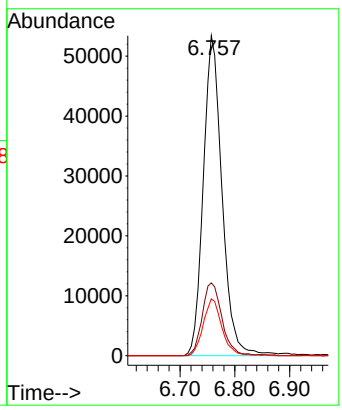


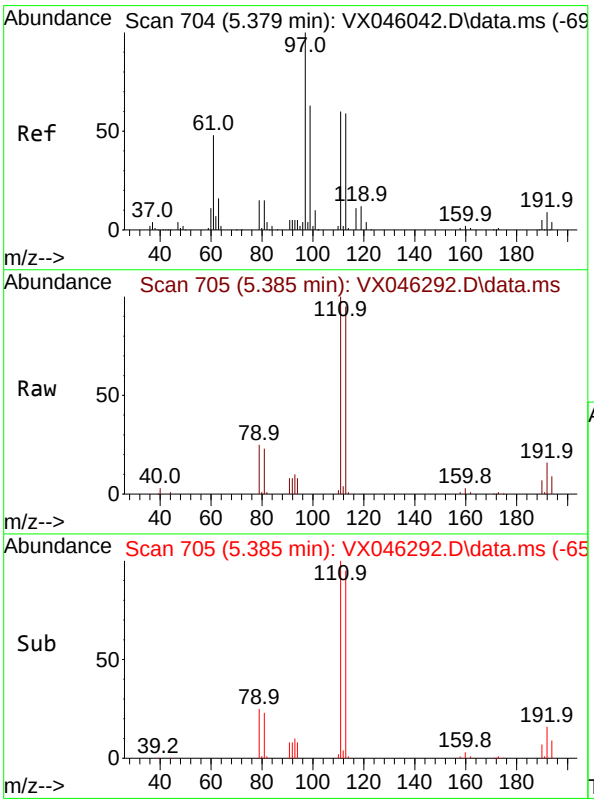
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
FB-05152025

Tgt Ion:114 Resp: 126684

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	49.2
88	17.7	0.0	33.6

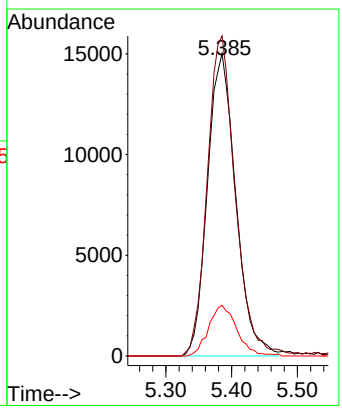


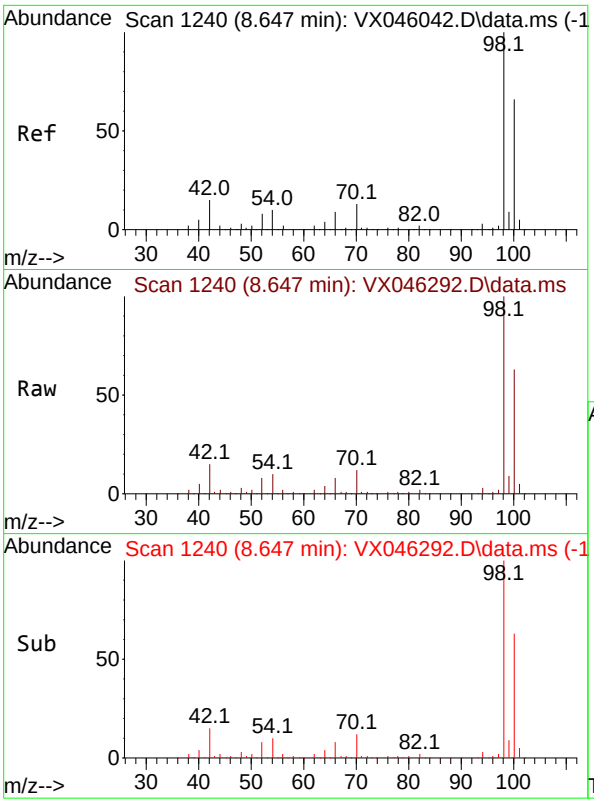


#35
Dibromofluoromethane
Concen: 49.317 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Tgt Ion:113 Resp: 44990

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.1	124.7
192	16.7	13.3	19.9



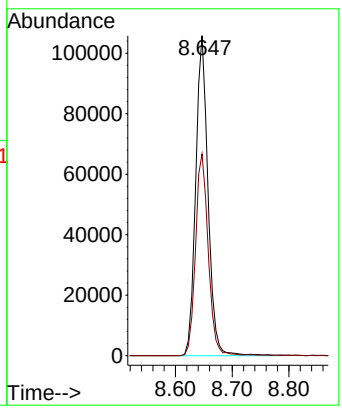


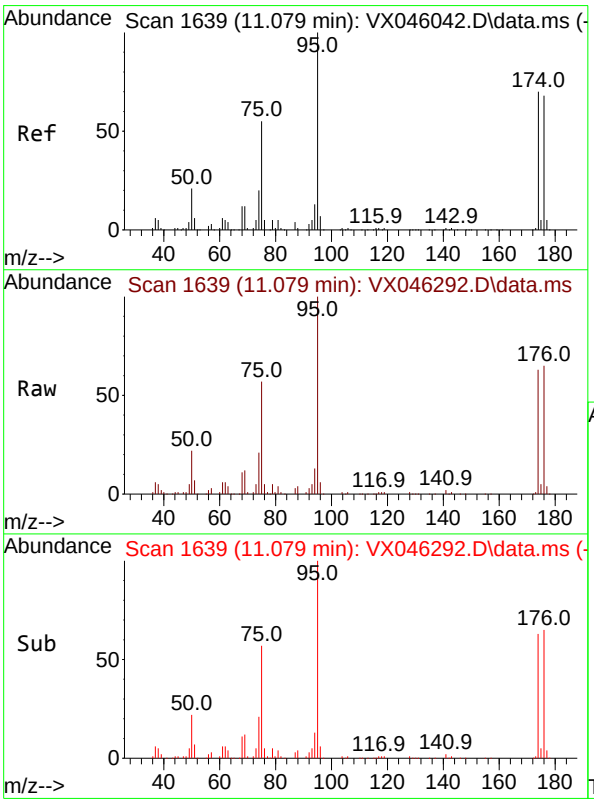
#50
Toluene-d8
Concen: 50.671 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
FB-05152025

Tgt Ion: 98 Resp: 159992

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.5	80.3

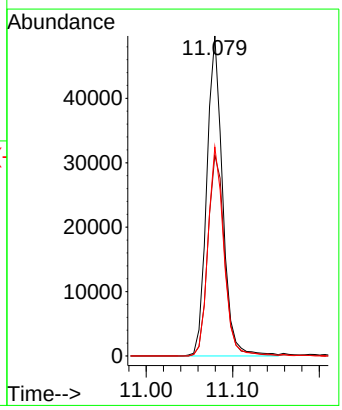


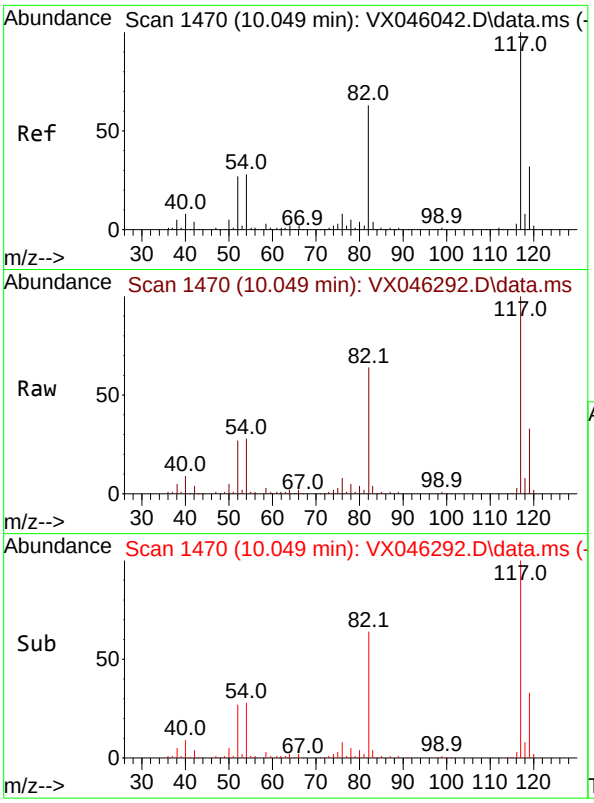


#62
4-Bromofluorobenzene
Concen: 52.039 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Tgt Ion: 95 Resp: 63027

Ion	Ratio	Lower	Upper
95	100		
174	65.9	0.0	135.8
176	65.5	0.0	131.4



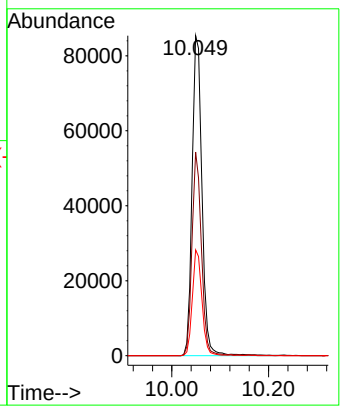


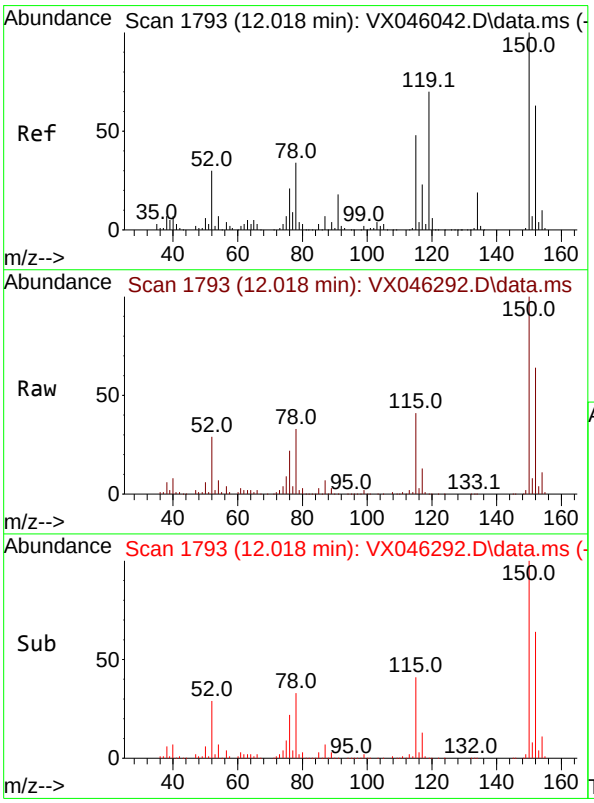
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :
FB-05152025

Tgt Ion:117 Resp: 120601

Ion	Ratio	Lower	Upper
117	100		
82	63.7	50.6	76.0
119	33.0	25.8	38.6

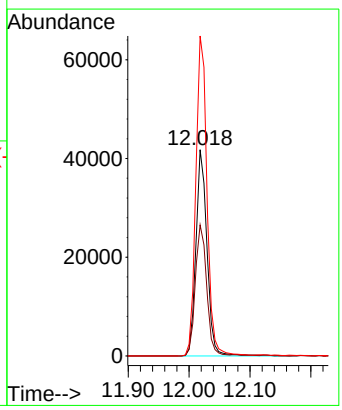




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046292.D
Acq: 21 May 2025 13:09

Tgt Ion:152 Resp: 52644

Ion	Ratio	Lower	Upper
152	100		
115	65.9	46.9	140.7
150	156.6	0.0	351.0



Raw Data: **VX046293.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	FB-05162025	SDG No.:	Q2075
Lab Sample ID:	Q2075-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046293.D	1		05/21/25 13:32	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68000	5.55			
540-36-3	1,4-Difluorobenzene	135000	6.757			
3114-55-4	Chlorobenzene-d5	128000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	56000	12.018			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046293.D
Acq On : 21 May 2025 13:32
Operator : JC/MD
Sample : Q2075-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-05162025

Quant Time: May 22 01:48:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

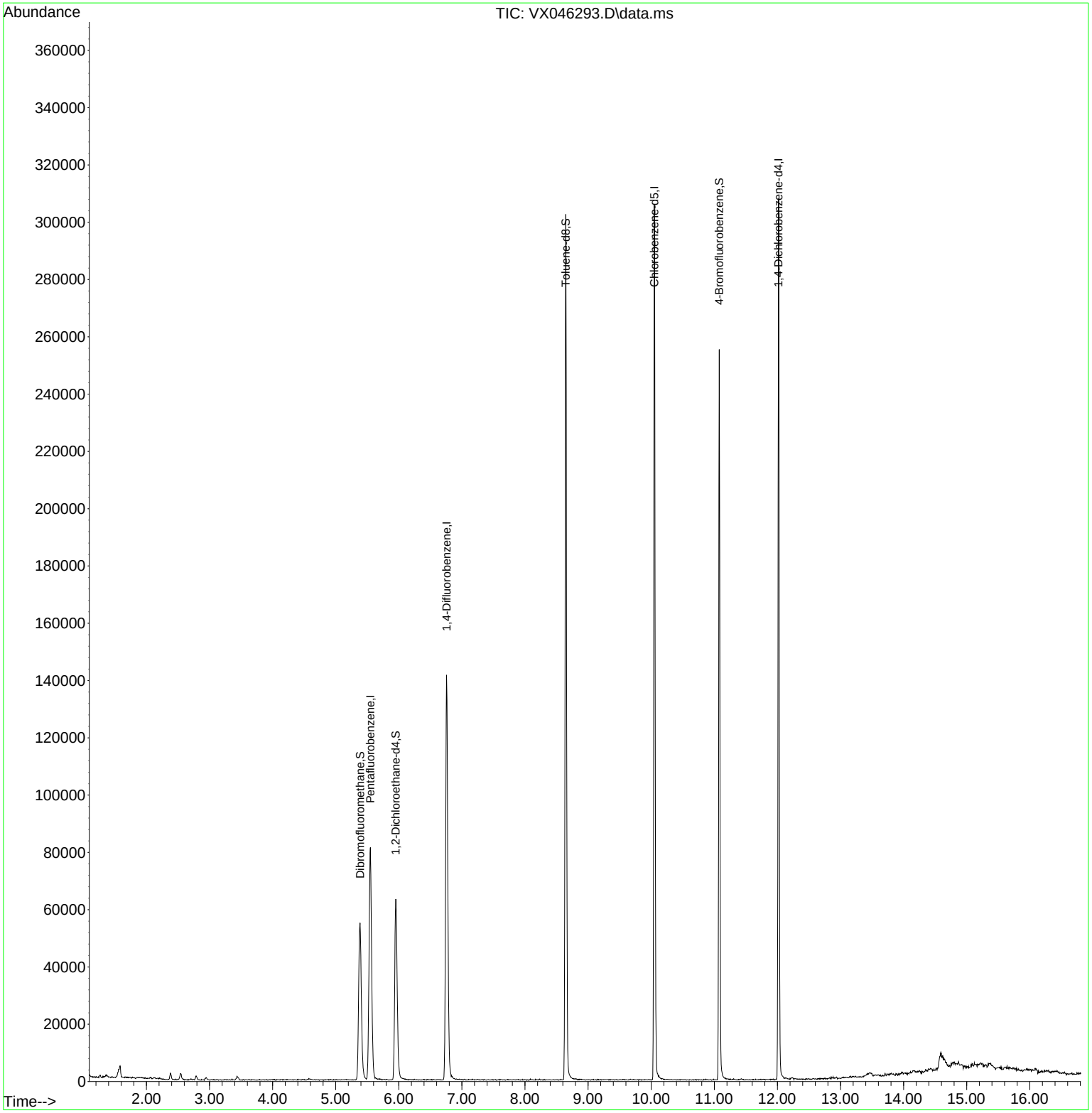
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	67975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135035	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66150	52.199	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.400%			
35) Dibromofluoromethane	5.385	113	48762	50.146	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	8.647	98	169067	50.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.460%			
62) 4-Bromofluorobenzene	11.079	95	66765	51.716	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.440%			
Target Compounds						Qvalue

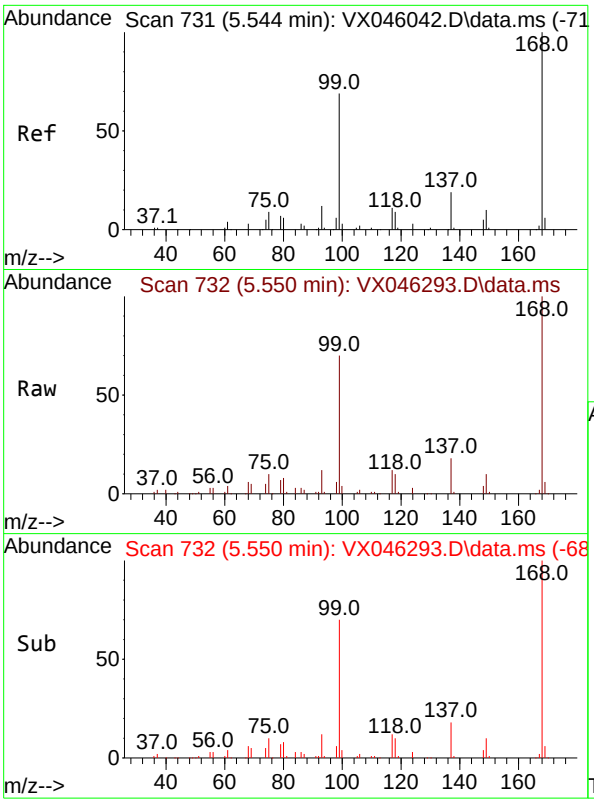
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046293.D
Acq On : 21 May 2025 13:32
Operator : JC/MD
Sample : Q2075-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-05162025

Quant Time: May 22 01:48:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



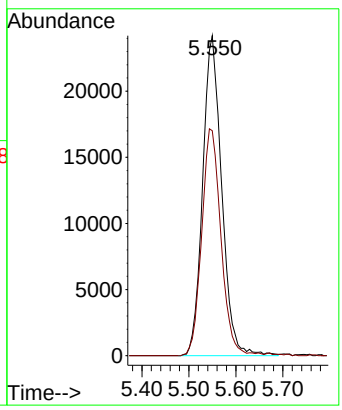


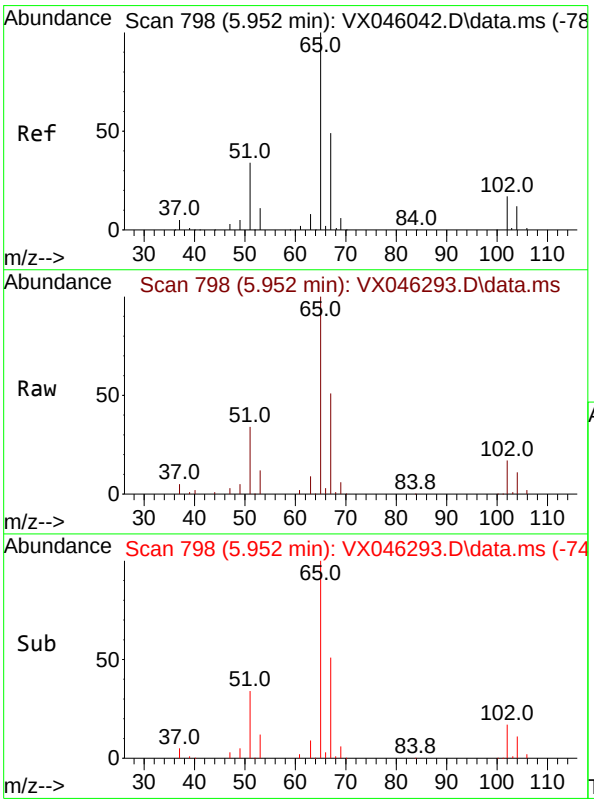
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
FB-05162025

Tgt Ion:168 Resp: 67975

Ion	Ratio	Lower	Upper
168	100		
99	70.3	54.9	82.3

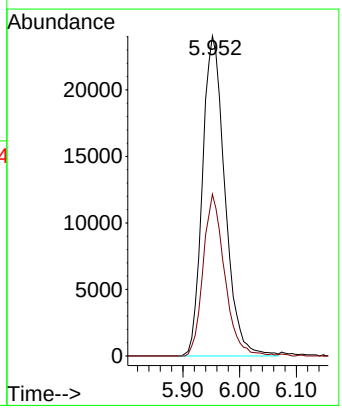


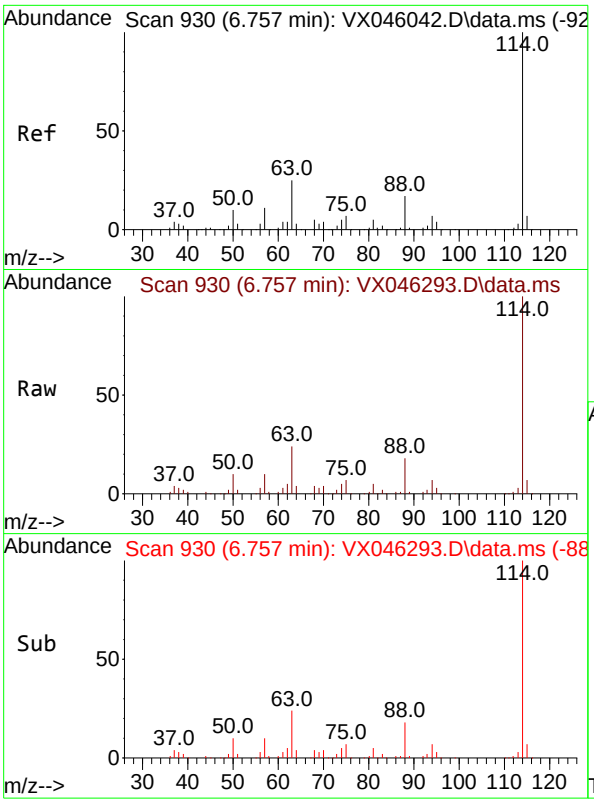


#33
1,2-Dichloroethane-d4
Concen: 52.199 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Tgt Ion: 65 Resp: 66150

Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	99.0



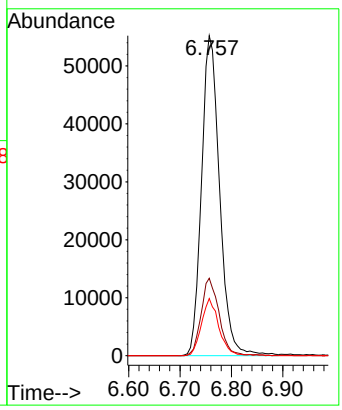


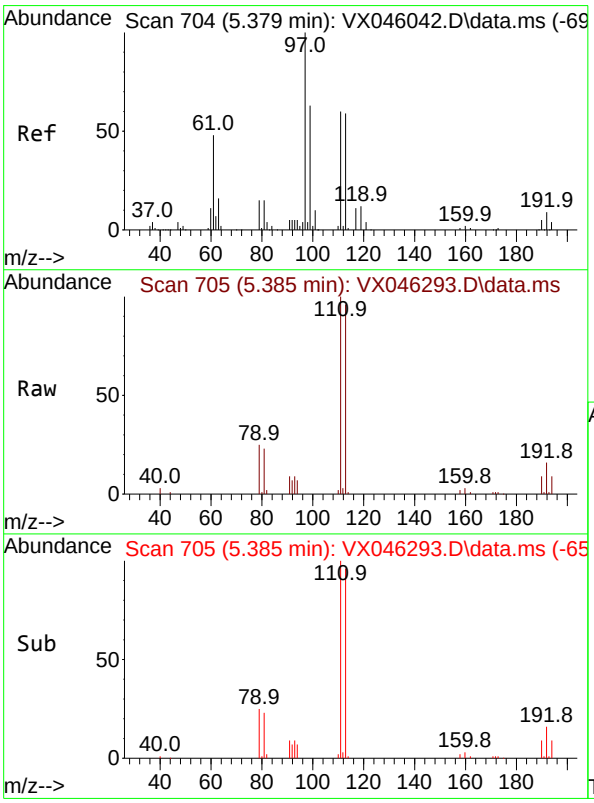
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
FB-05162025

Tgt Ion:114 Resp: 135035

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.8	0.0	33.6

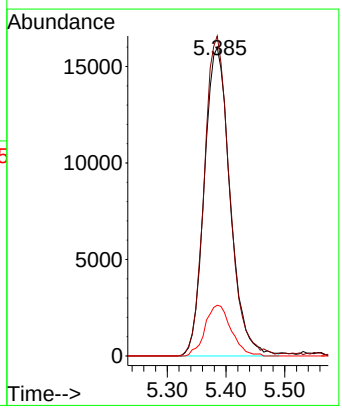


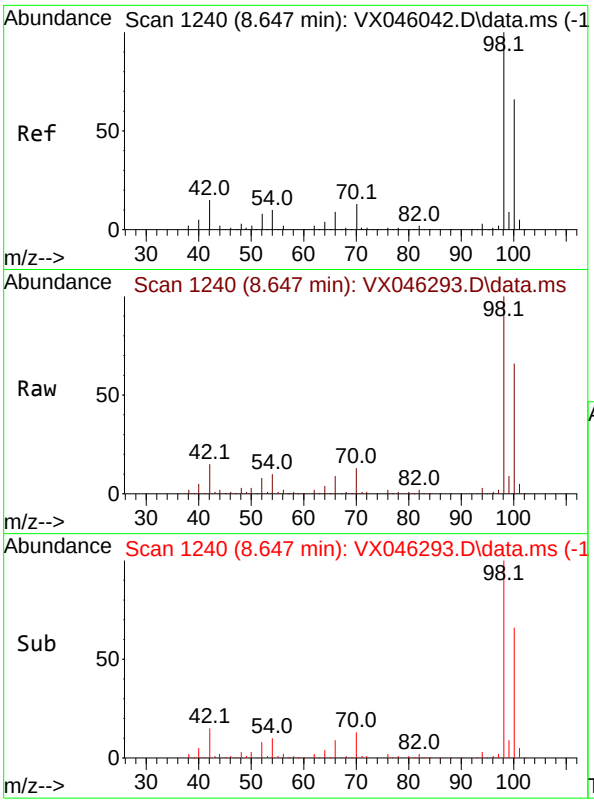


#35
Dibromofluoromethane
Concen: 50.146 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Tgt Ion:113 Resp: 48762

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	16.6	13.3	19.9



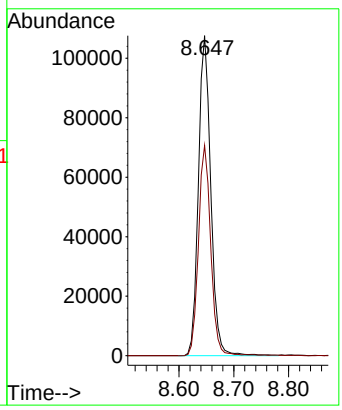


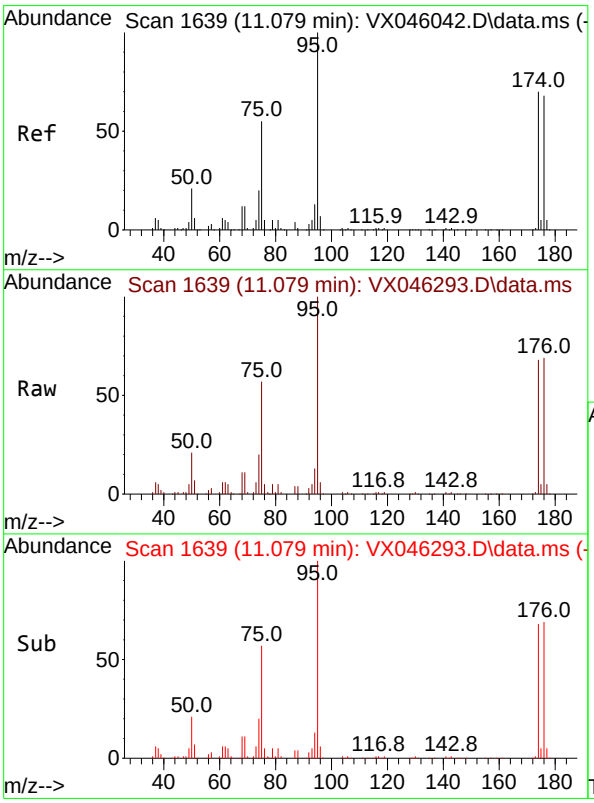
#50
Toluene-d8
Concen: 50.234 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
FB-05162025

Tgt Ion: 98 Resp: 169067

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.5	80.3

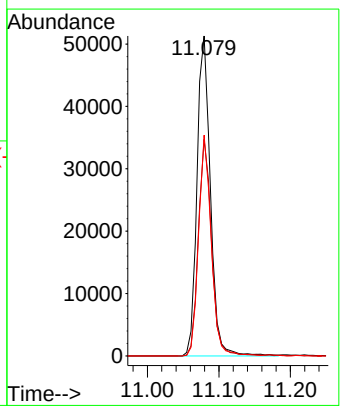


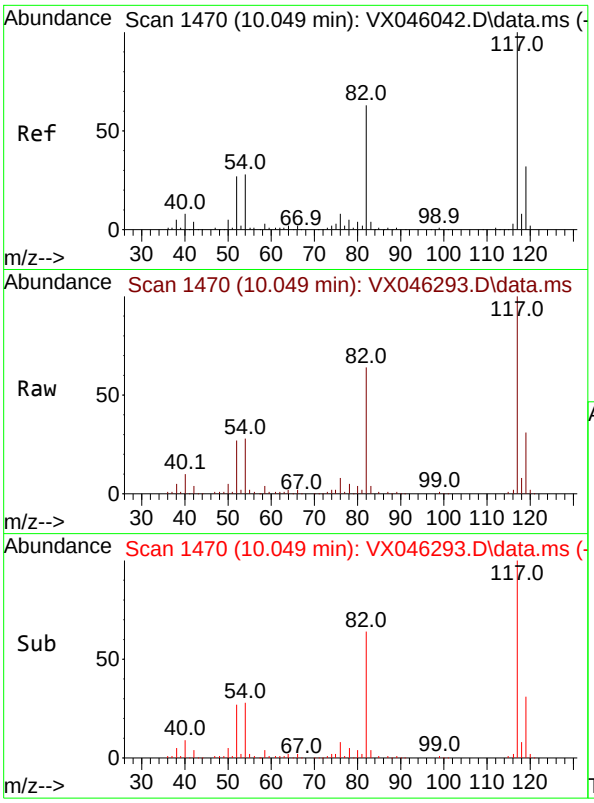


#62
4-Bromofluorobenzene
Concen: 51.716 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Tgt Ion: 95 Resp: 66765

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	65.1	0.0	131.4



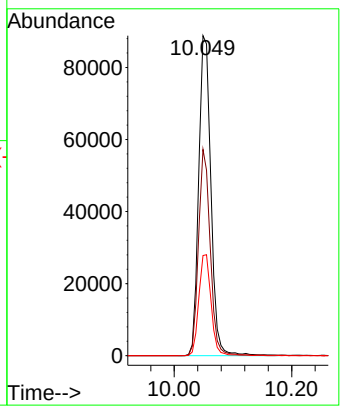


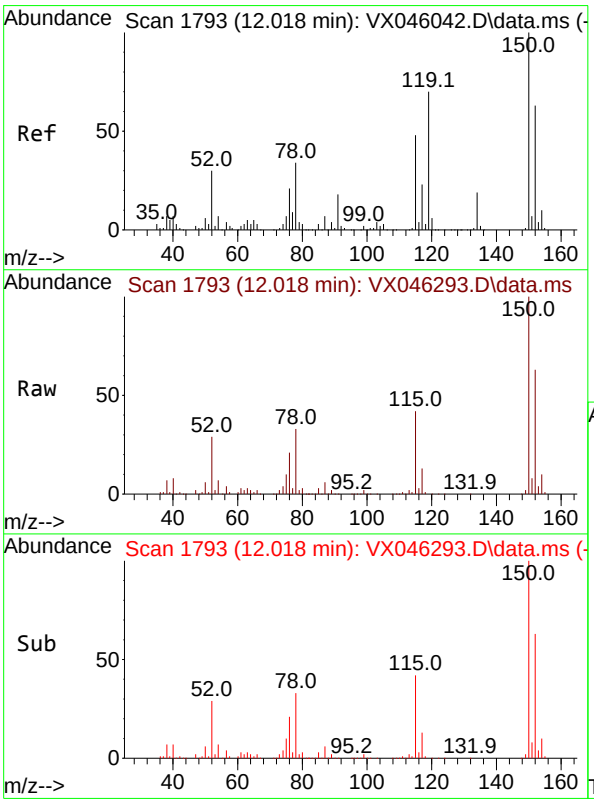
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
FB-05162025

Tgt Ion:117 Resp: 128288

Ion	Ratio	Lower	Upper
117	100		
82	64.4	50.6	76.0
119	31.3	25.8	38.6

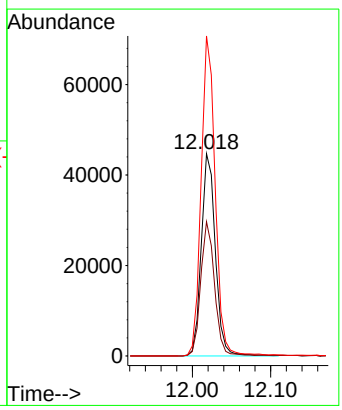




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046293.D
Acq: 21 May 2025 13:32

Tgt Ion:152 Resp: 55957

Ion	Ratio	Lower	Upper
152	100		
115	65.3	46.9	140.7
150	158.4	0.0	351.0



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
n-propylbenzene	4.394	4.854	4.583	4.868	4.186	4.272	4.526	6.4
1,3,5-Trimethylbenzene	3.275	3.488	3.255	3.405	3.053	3.036	3.252	5.6
tert-Butylbenzene	3.115	3.435	3.255	3.411	3.098	3.341	3.276	4.4
1,2,4-Trimethylbenzene	3.274	3.522	3.335	3.444	3.034	3.150	3.293	5.5
sec-Butylbenzene	3.937	4.282	4.095	4.343	3.767	3.708	4.022	6.6
p-Isopropyltoluene	3.206	3.555	3.450	3.599	3.084	3.025	3.320	7.4
n-Butylbenzene	2.748	3.147	3.139	3.346	2.650	2.443	2.912	12
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

* 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.

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3)	P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4)	C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5)	T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6)	T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7)	T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8)	T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9)	T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10)	T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11)	T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12)	CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13)	T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14)	T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15)	T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16)	T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17)	T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18)	T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19)	T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20)	T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21)	T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22)	T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23)	T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24)	P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25)	T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26)	T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27)	T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28)	T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29)	T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30)	C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31)	T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32)	T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33)	S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36)	T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37)	T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38)	T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39)	T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40)	TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41)	T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42)	TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43)	T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44)	TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45)	C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46)	T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47)	T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48)	T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49)	T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50)	S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51)	T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52)	CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53)	T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54)	T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55)	T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56)	T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l		100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l		99
44) Trichloroethene	7.116	130	20239	14.429	ug/l		99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l		98
46) Dibromomethane	7.580	93	16781	14.439	ug/l		99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l		94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l		100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l		98
52) Toluene	8.713	92	52030	14.788	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l		96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l		98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l		100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l		99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l		99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l		96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l		97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l		98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l		100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l		99
69) o-Xylene	10.640	106	35178	14.408	ug/l		96
70) Styrene	10.652	104	58034	14.853	ug/l		98
71) Bromoform	10.799	173	13825	14.030	ug/l	#	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l		99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l		
77) Bromobenzene	11.195	156	21695	14.212	ug/l		96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l		99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l		91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l		100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l		99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l		100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l		99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l		99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l		99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l		97
95) Naphthalene	13.774	128	77542	14.040	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

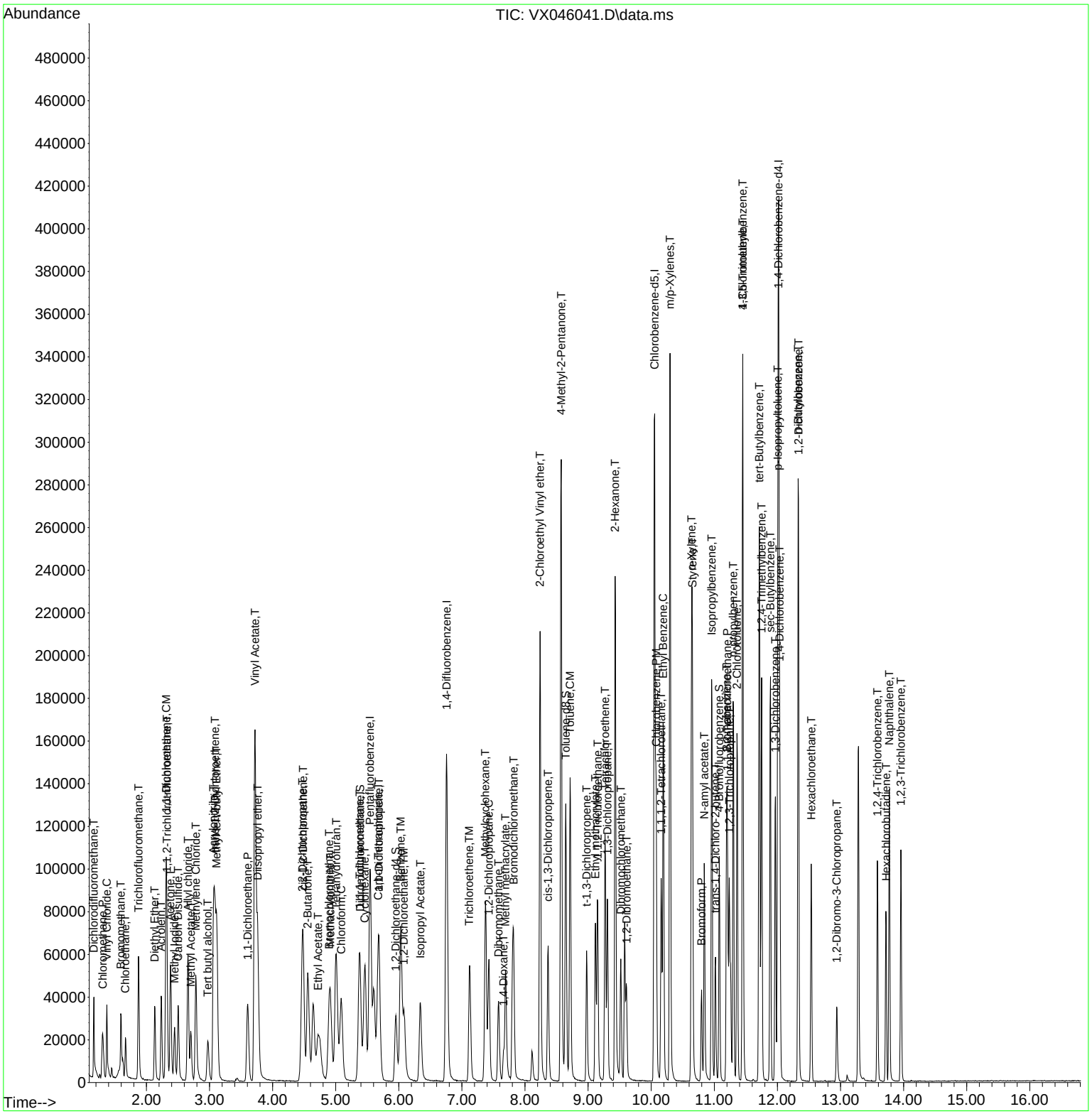
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

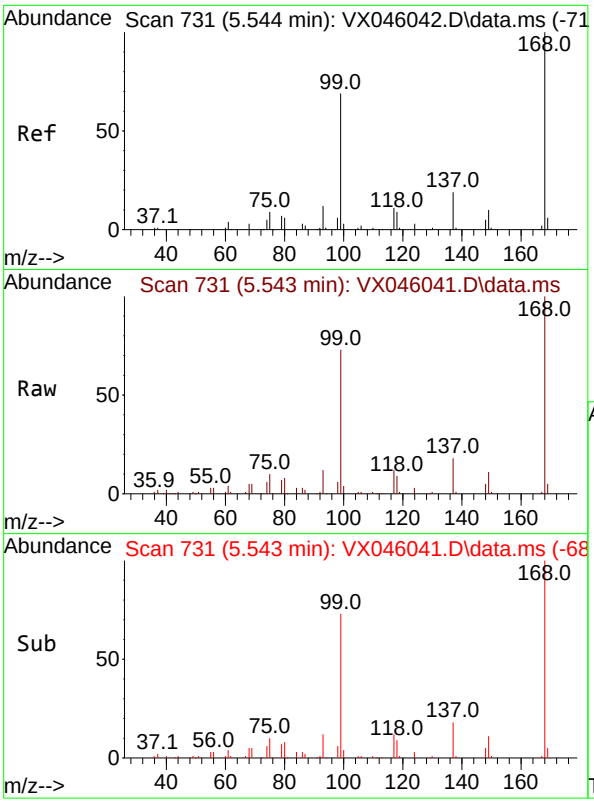
Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

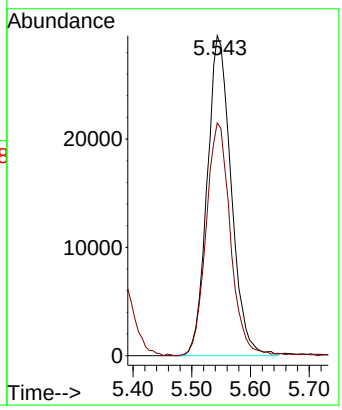




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:168 Resp: 8367

Ion	Ratio	Lower	Upper
168	100		
99	72.7	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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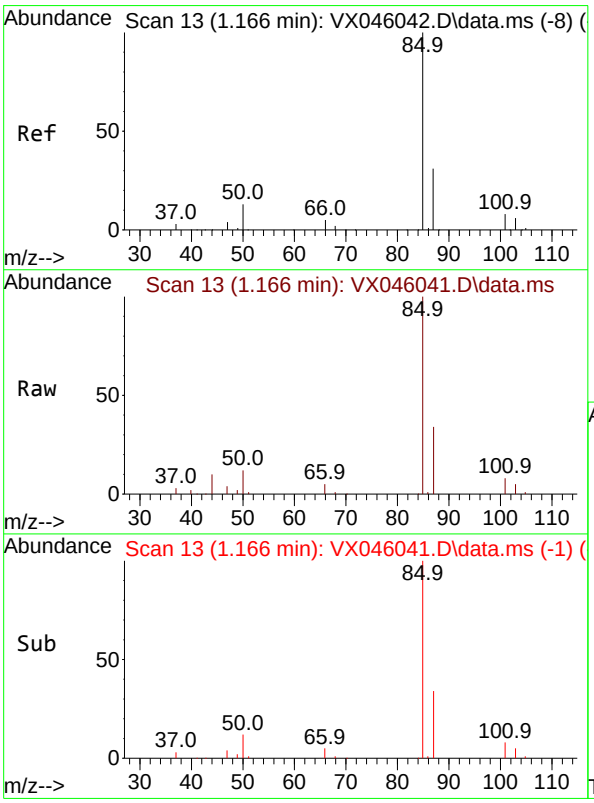
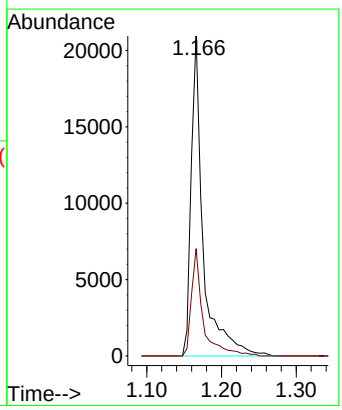
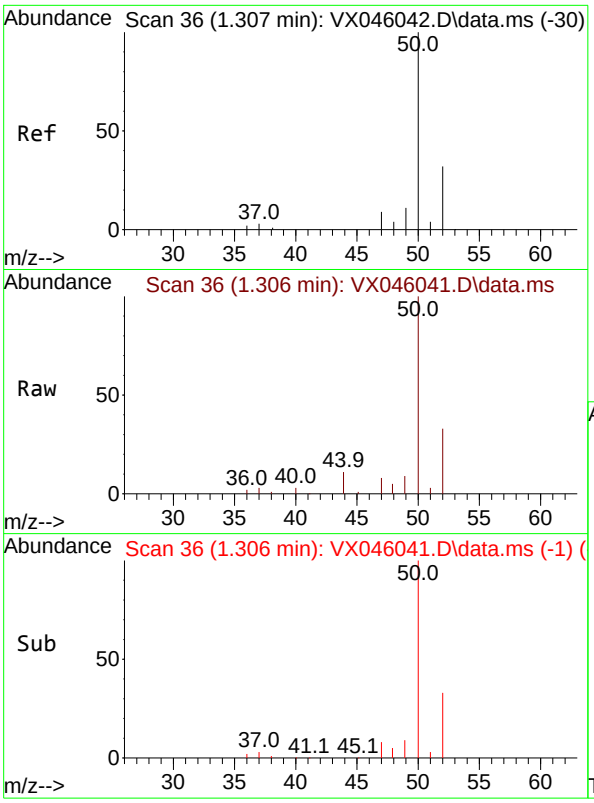


#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.1

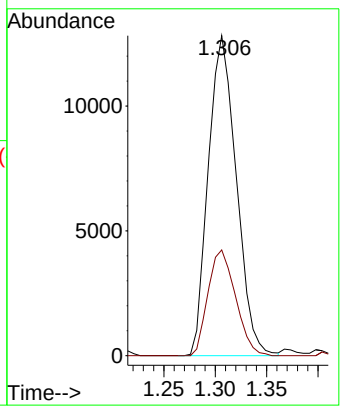




#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 50 Resp: 2431

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2



Instrument :
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ClientSampleId :
VSTDICC020

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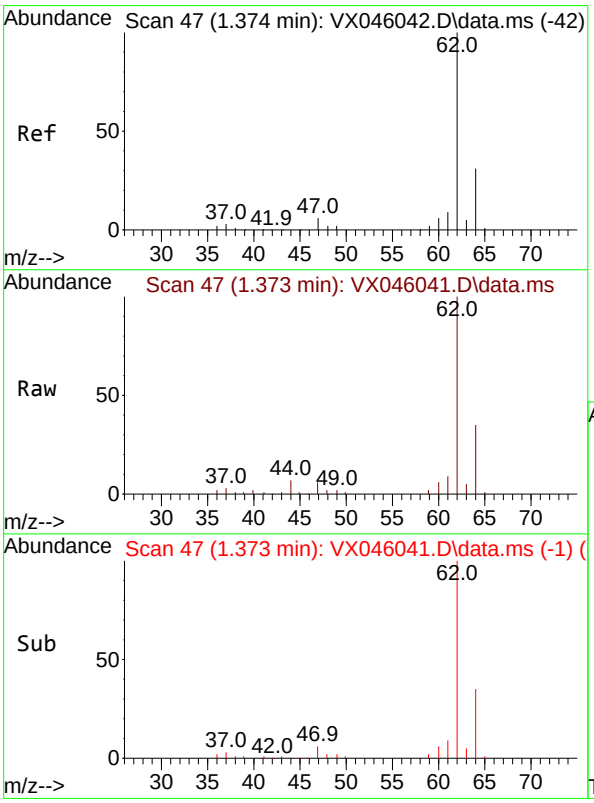
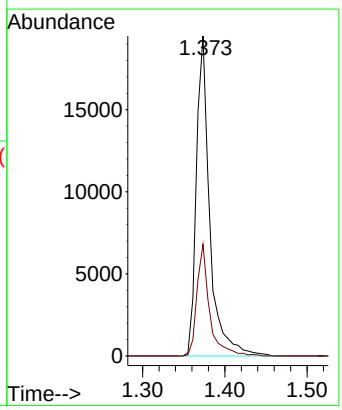
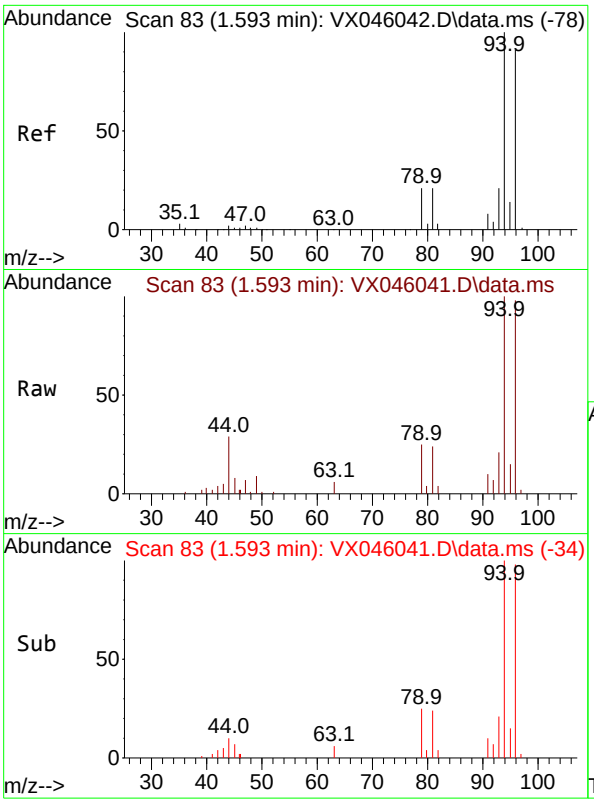


#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.2	37.8

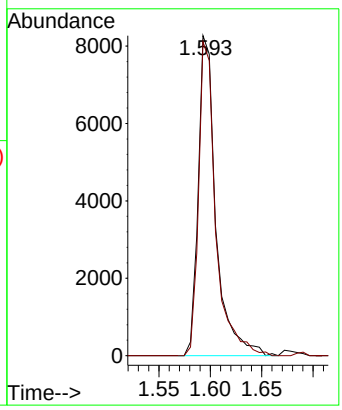




#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 94 Resp: 992

Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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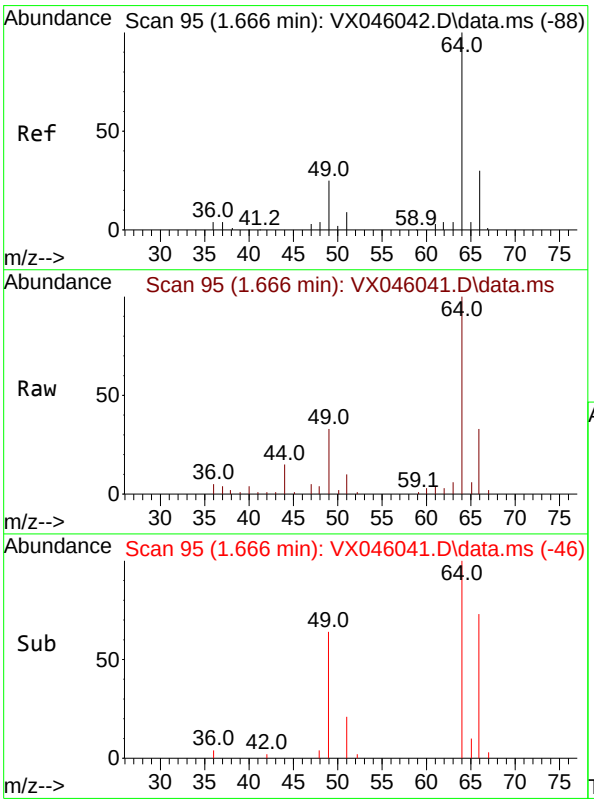
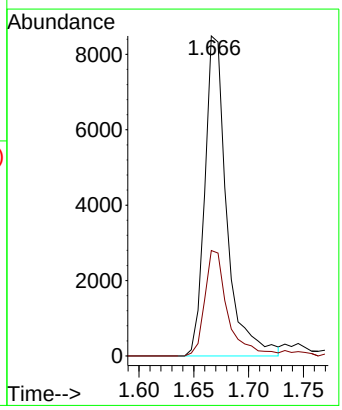
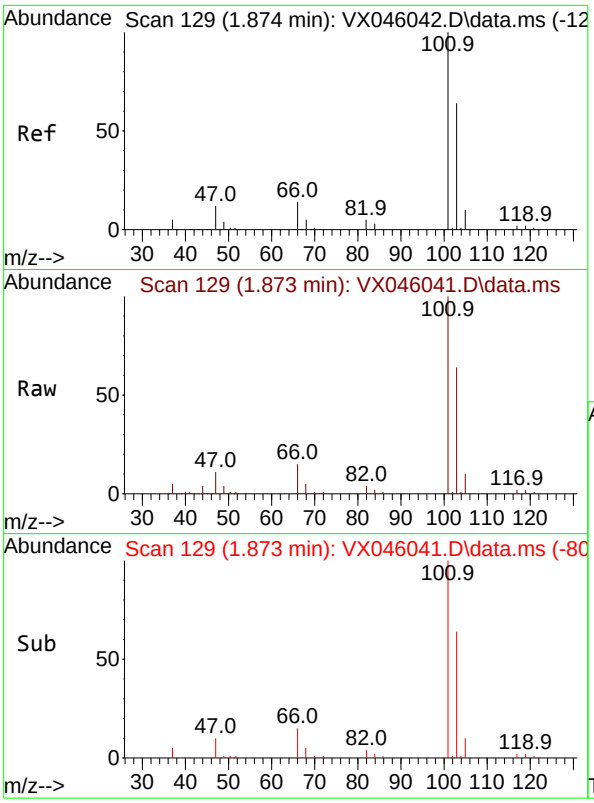


#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.3	36.5

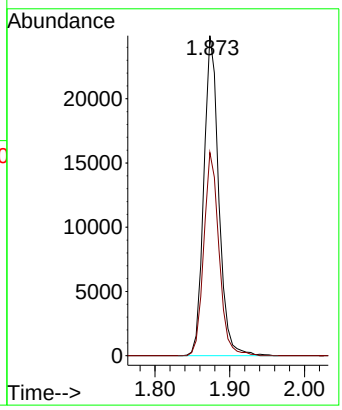




#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:101 Resp: 3463

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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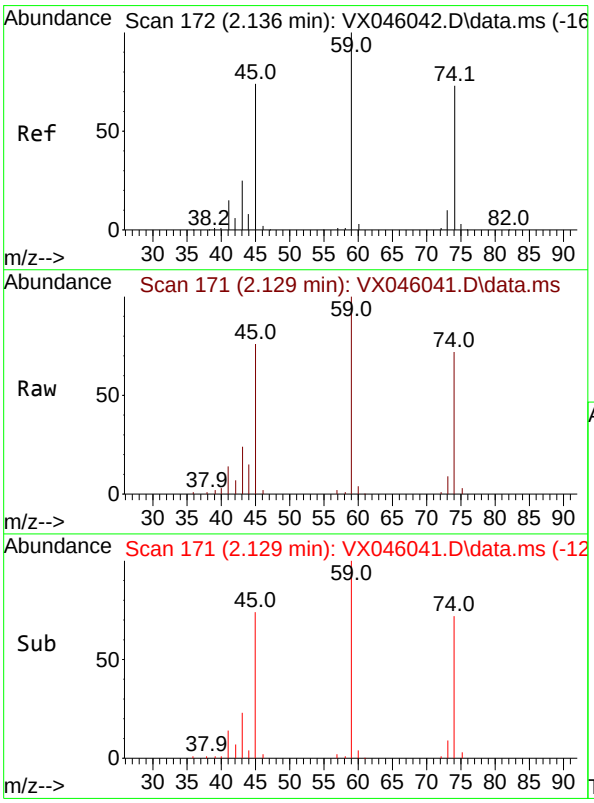
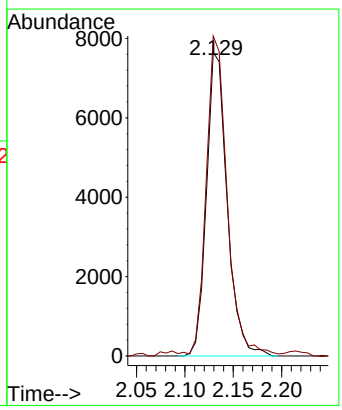
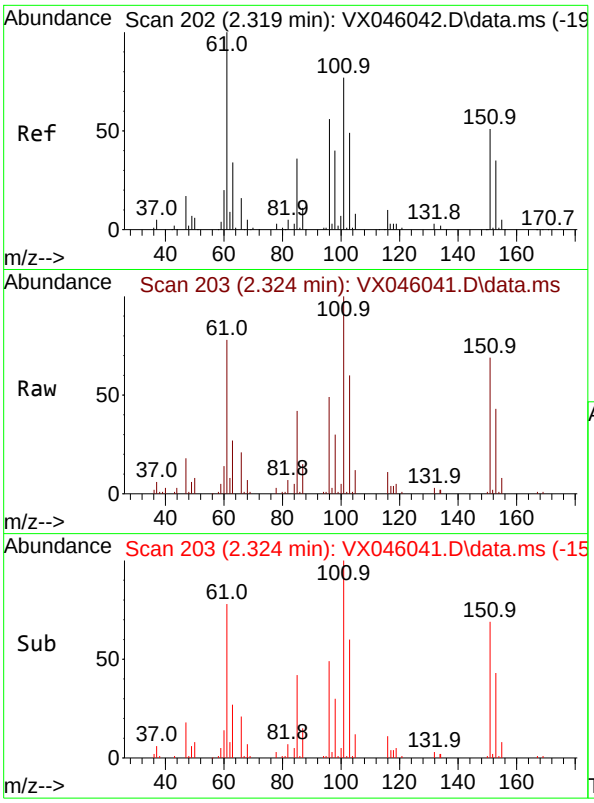


#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392

Ion	Ratio	Lower	Upper
74	100		
45	103.7	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.499 ug/l
RT: 2.324 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:101 Resp: 2102

Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	70.4	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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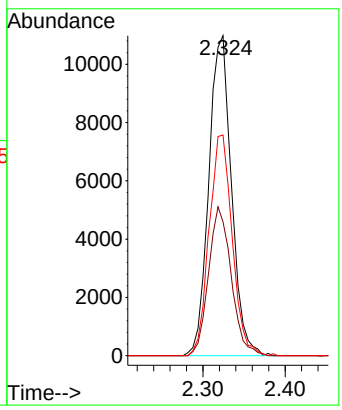
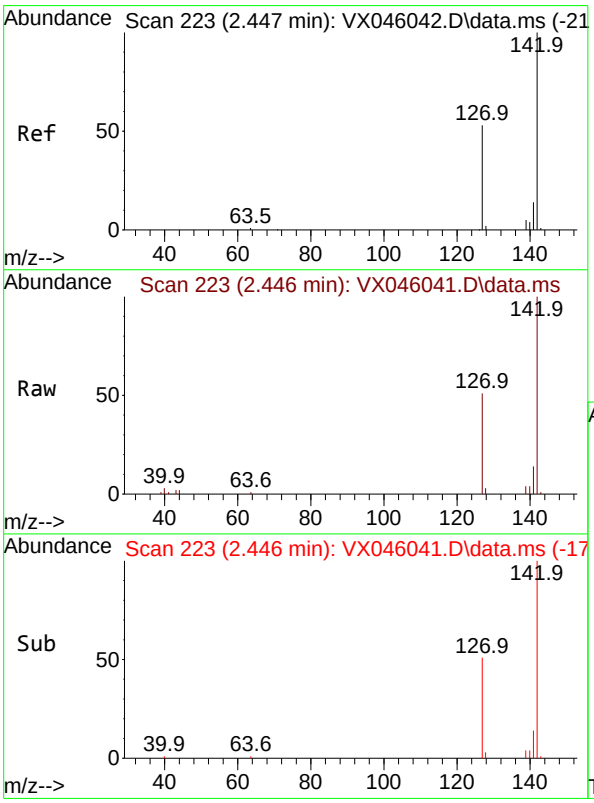
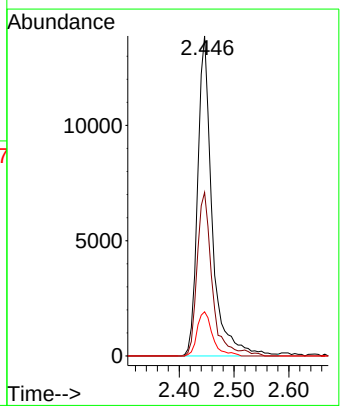


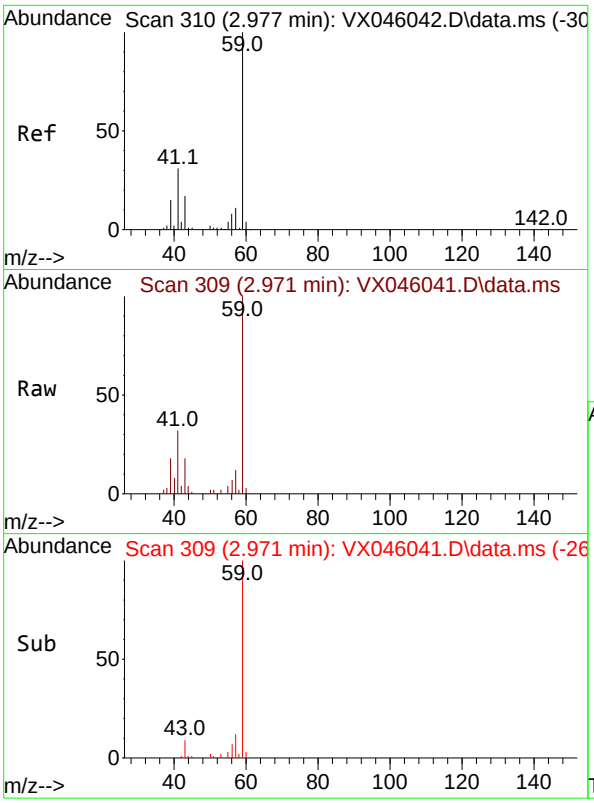


#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:142 Resp: 25661

Ion	Ratio	Lower	Upper
142	100		
127	53.0	41.7	62.5
141	14.7	11.5	17.3





#11
Tert butyl alcohol
Concen: 68.662 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 59 Resp: 2037

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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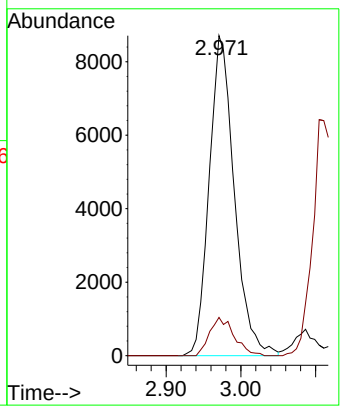
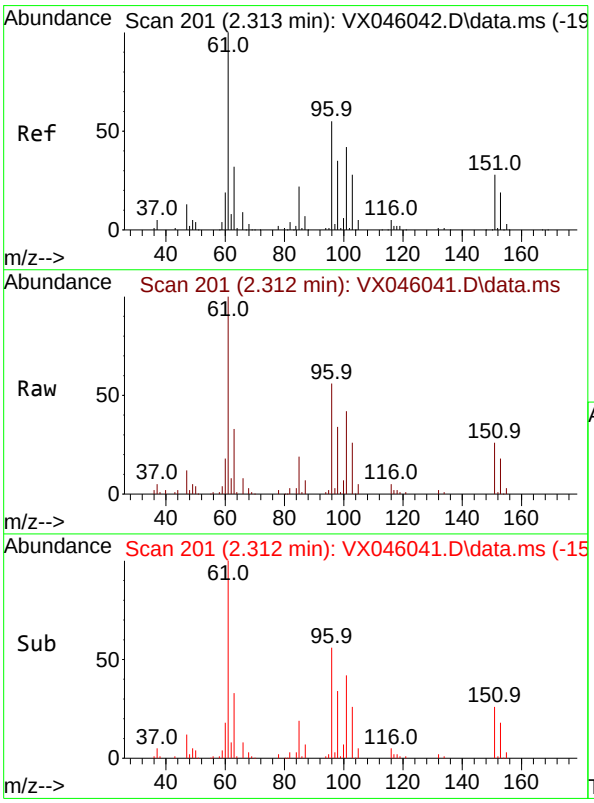
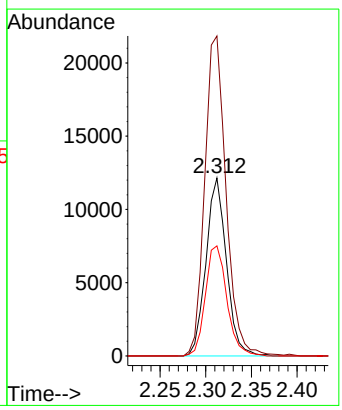


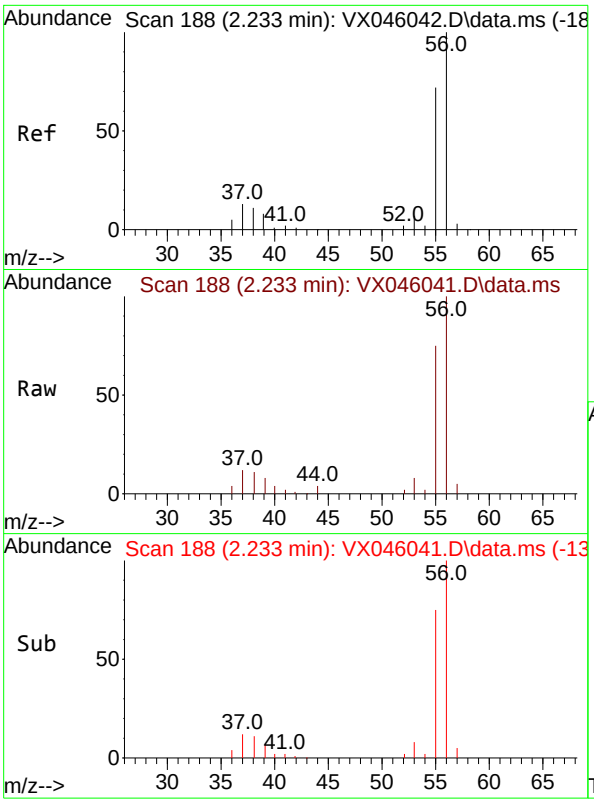


#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 18899

Ion	Ratio	Lower	Upper
96	100		
61	179.8	146.2	219.2
98	61.8	51.0	76.6

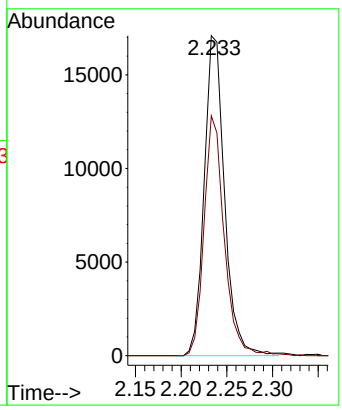




#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 2642

Ion	Ratio	Lower	Upper
56	100		
55	74.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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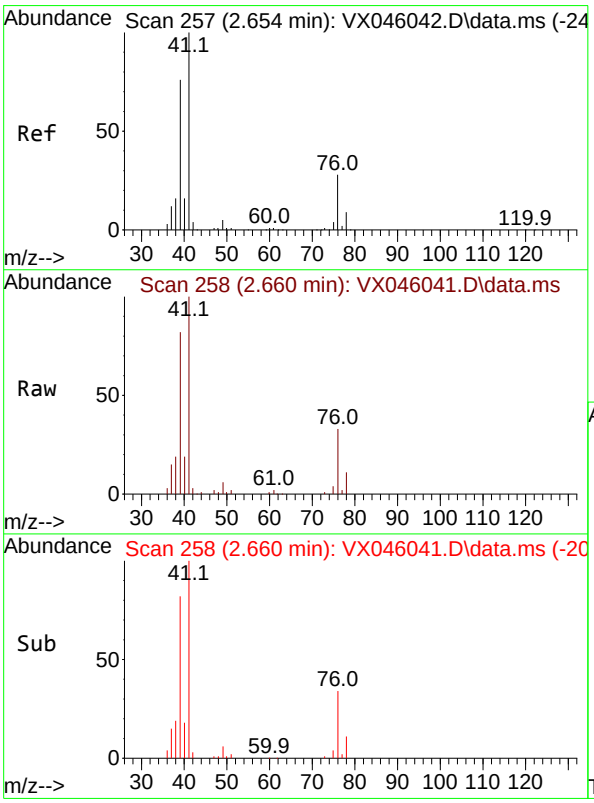
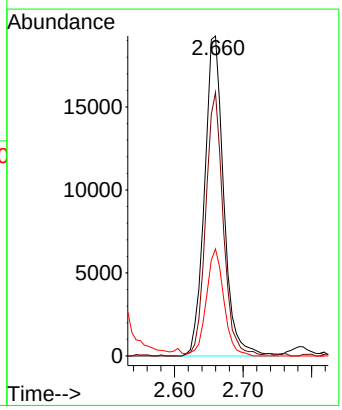
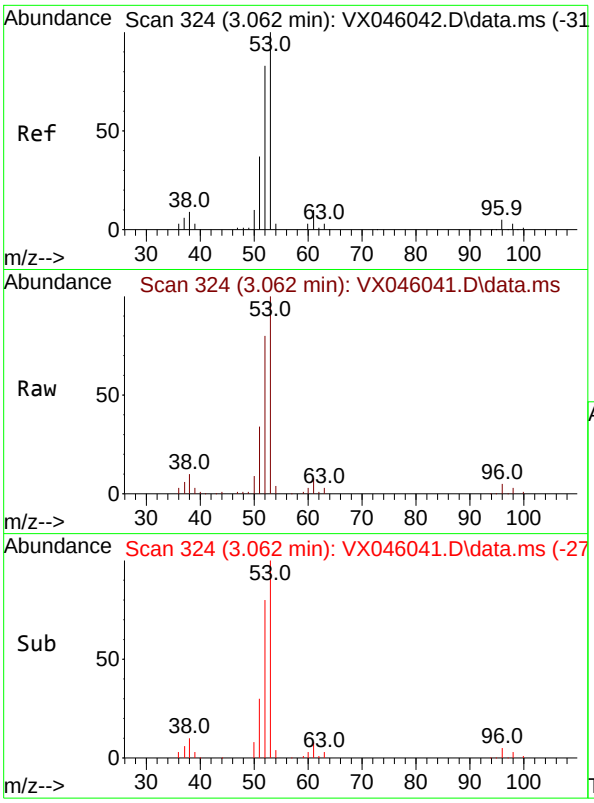


#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 37708

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.6	90.8
76	30.6	24.9	37.3

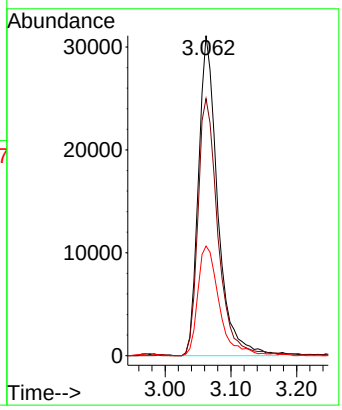




#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 53 Resp: 6329

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.3	97.9
51	38.4	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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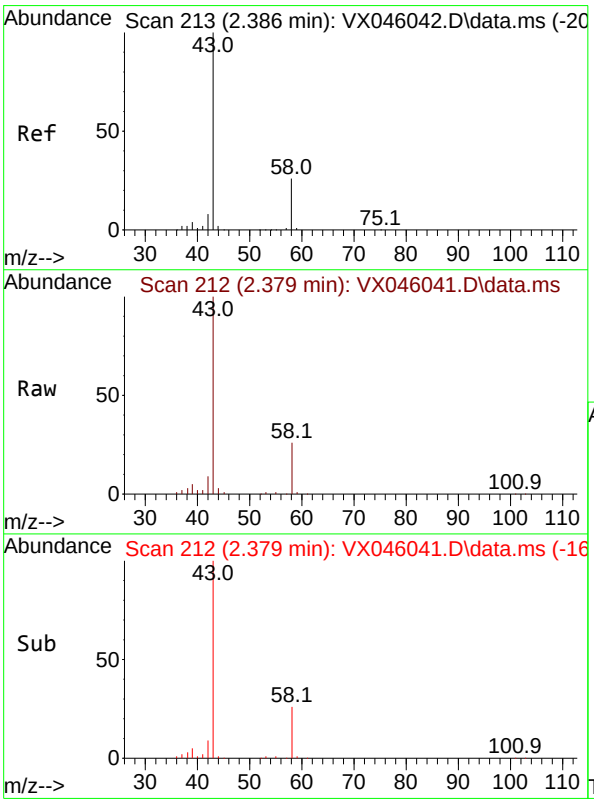
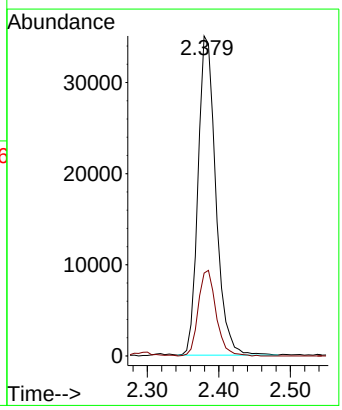
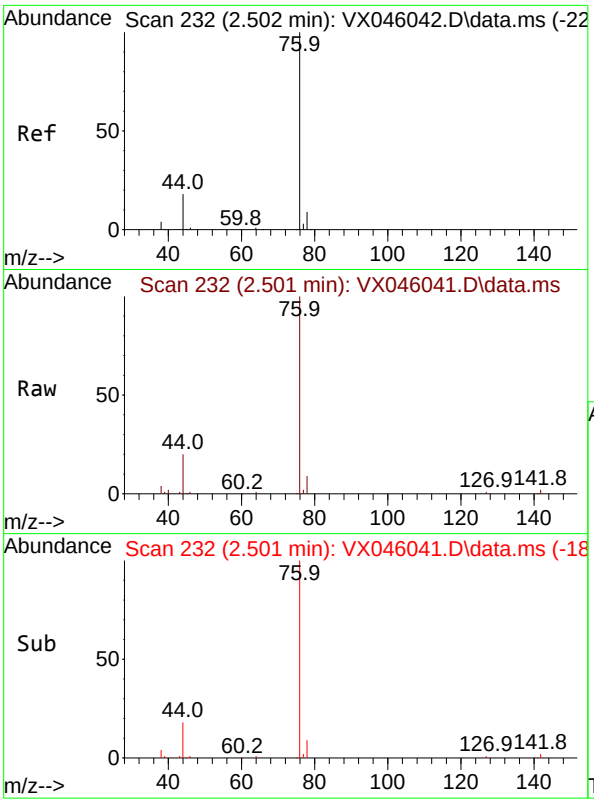


#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 60363

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8





#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 4334

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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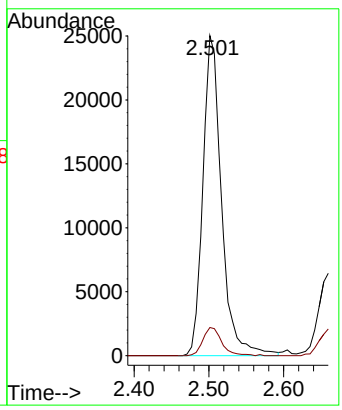
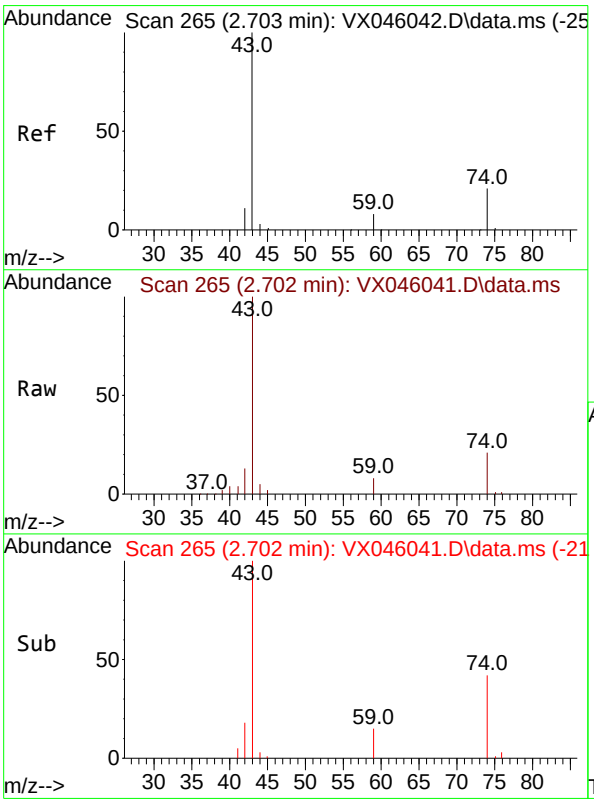
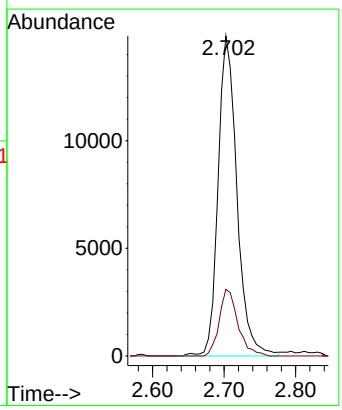


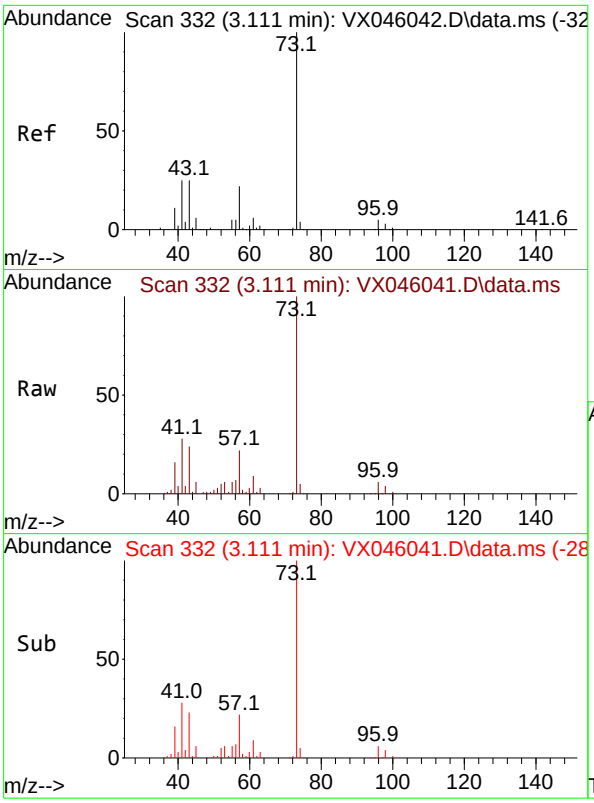


#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234

Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.7	25.1

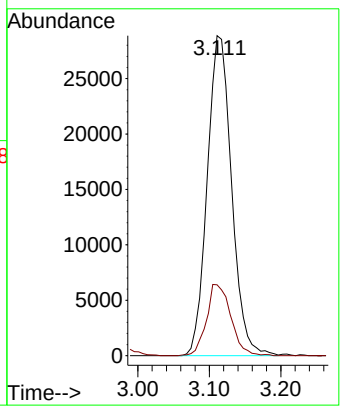




#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 73 Resp: 6840

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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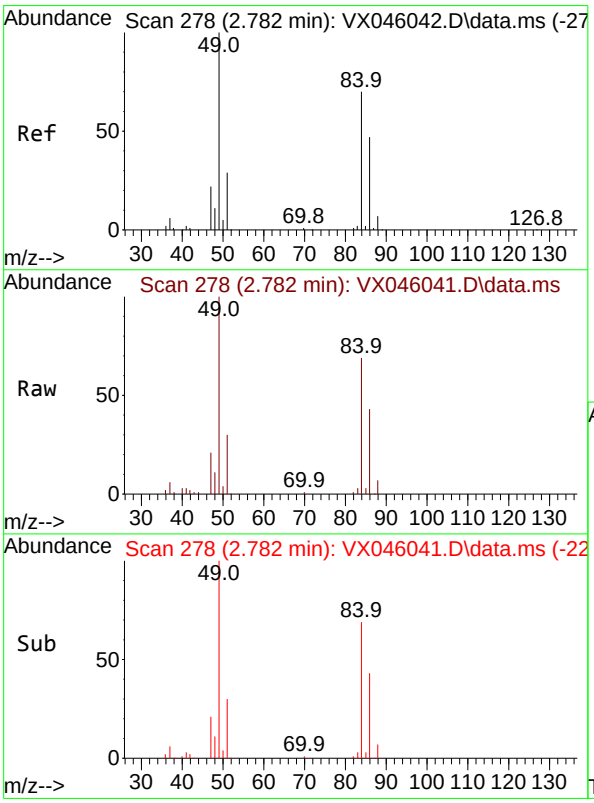
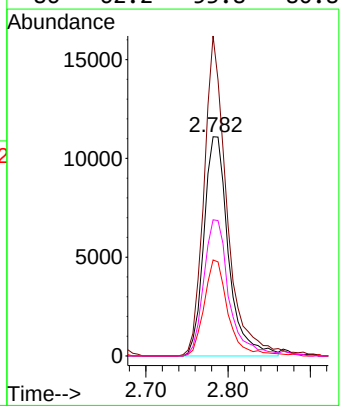
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

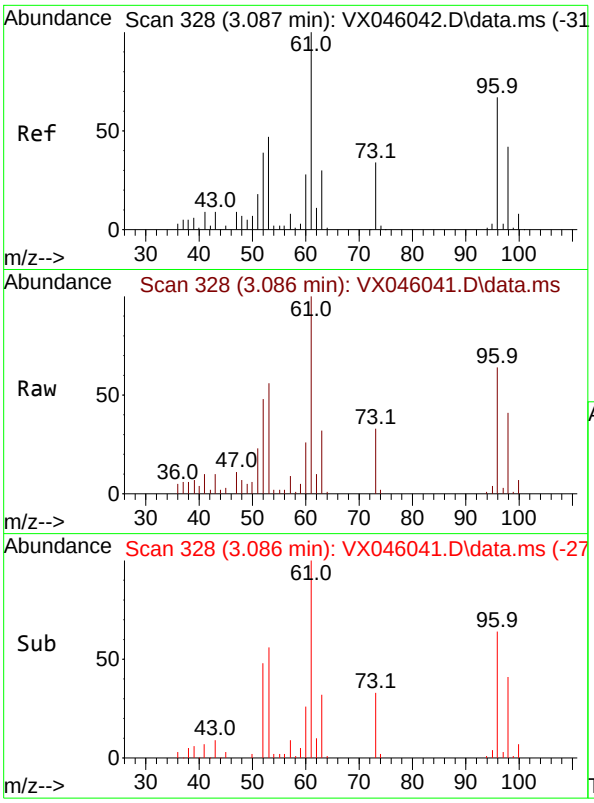


#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 84 Resp: 23050

Ion	Ratio	Lower	Upper
84	100		
49	146.0	113.9	170.9
51	43.8	33.5	50.3
86	62.2	53.8	80.8

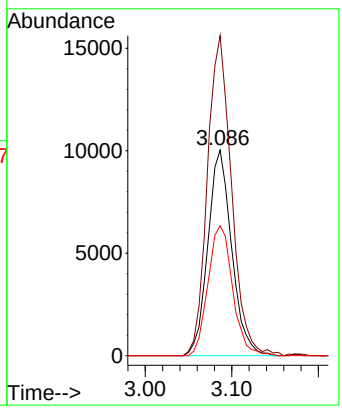




#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 1916

Ion	Ratio	Lower	Upper
96	100		
61	155.6	119.5	179.3
98	63.2	50.0	75.0



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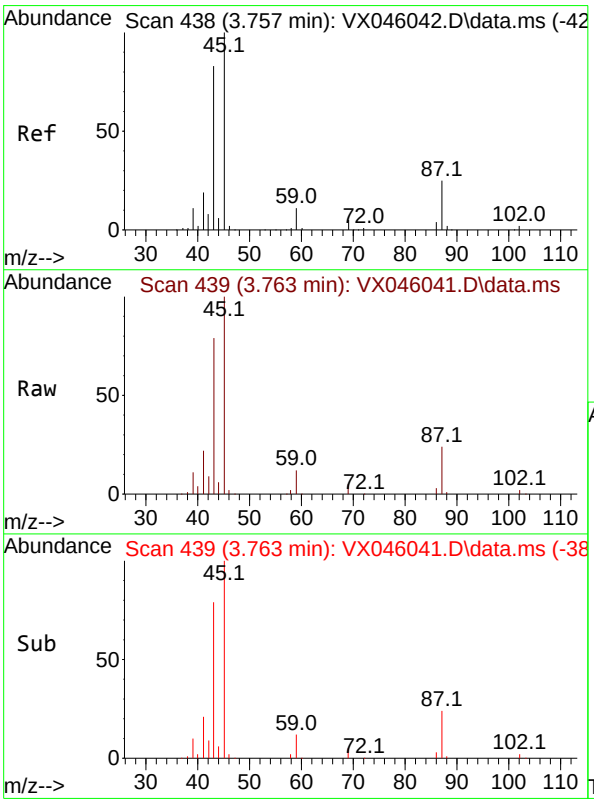
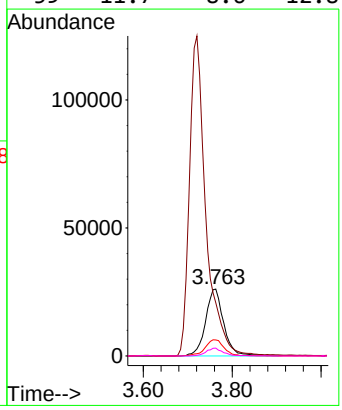
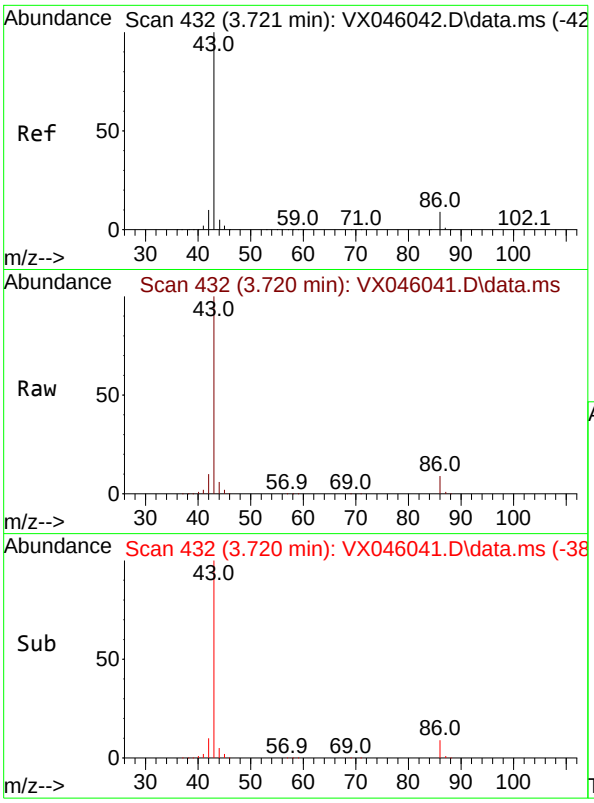


#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 45 Resp: 74257

Ion	Ratio	Lower	Upper
45	100		
43	78.2	66.6	100.0
87	24.0	19.8	29.6
59	11.7	8.6	12.8





#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 32259

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

Instrument :
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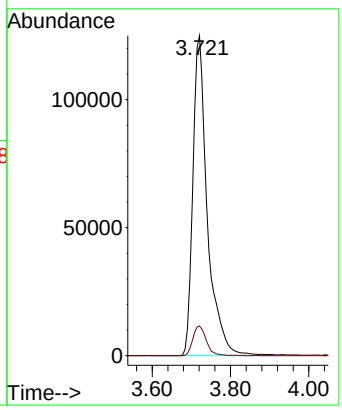
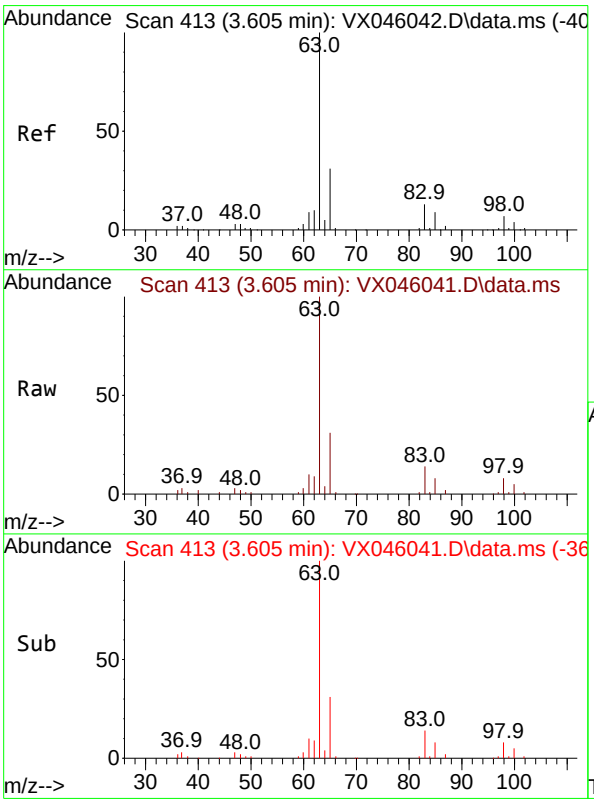
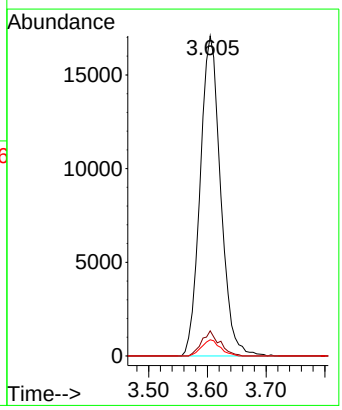


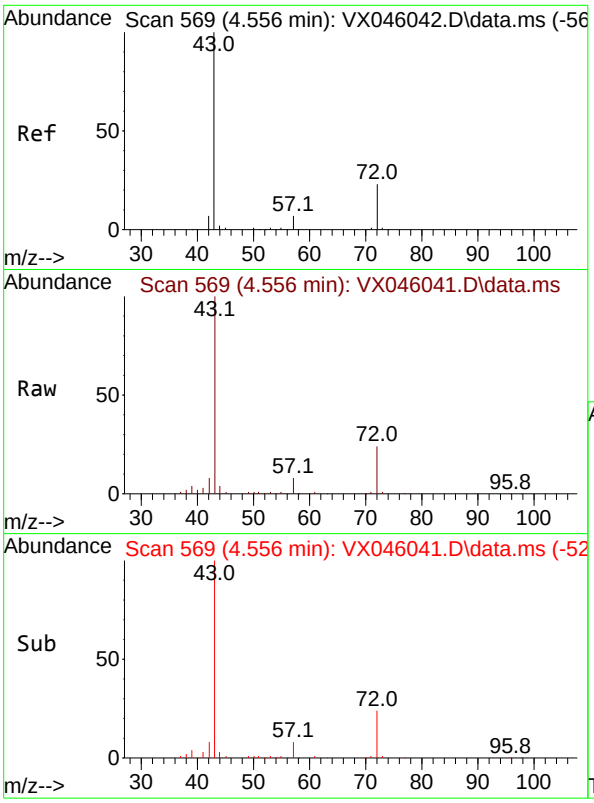


#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 41257

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.8
100	5.0	2.1	6.3





#25
2-Butanone
Concen: 73.489 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 9033

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
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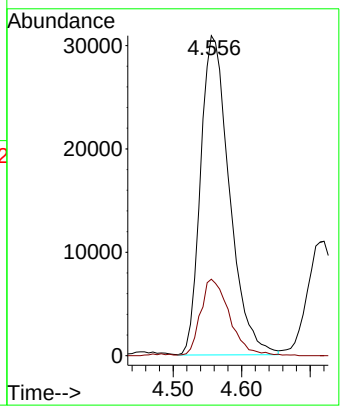
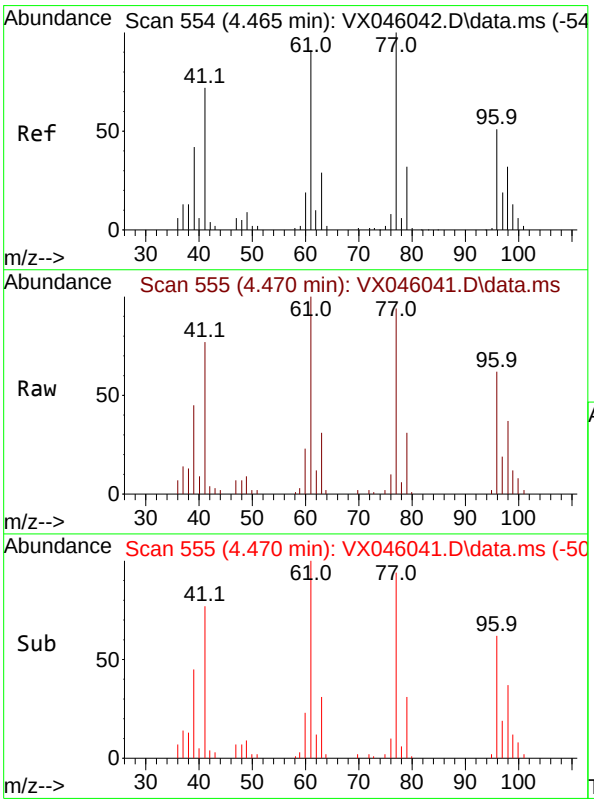
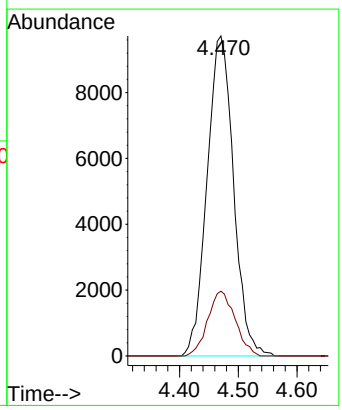


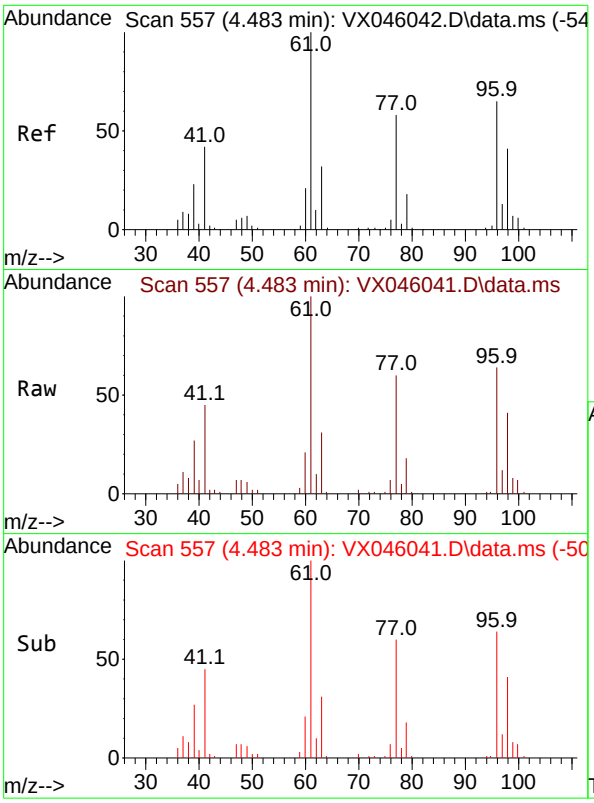


#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.5

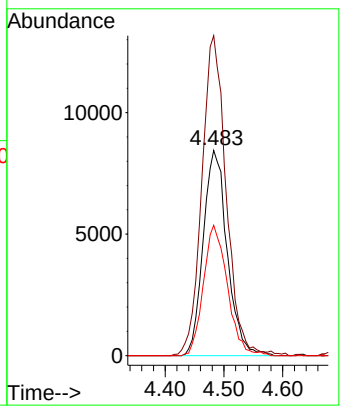




#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 2397

Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	322.8
98	63.5	0.0	129.0



Instrument :
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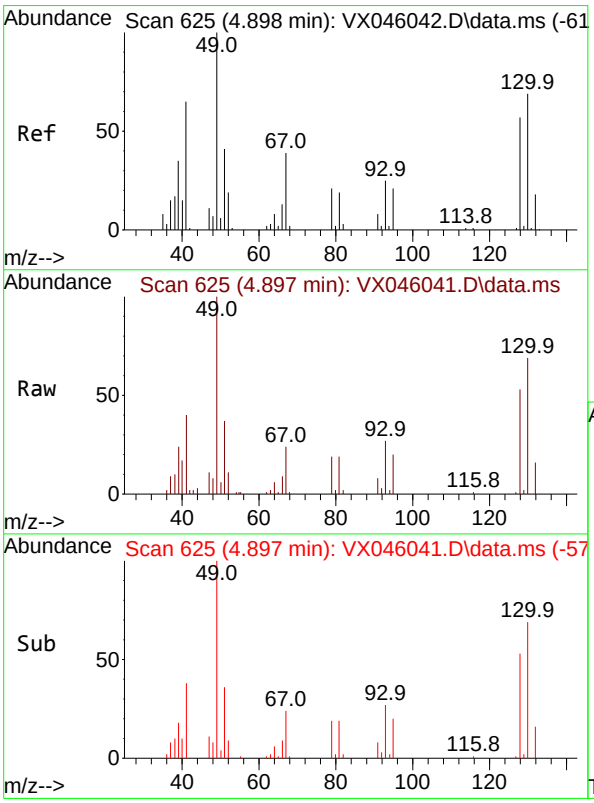
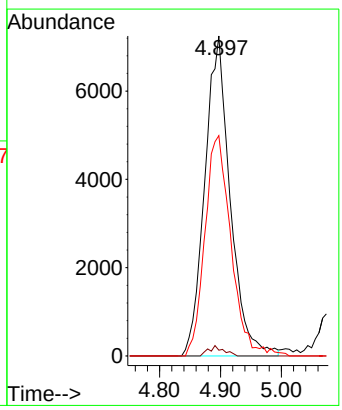
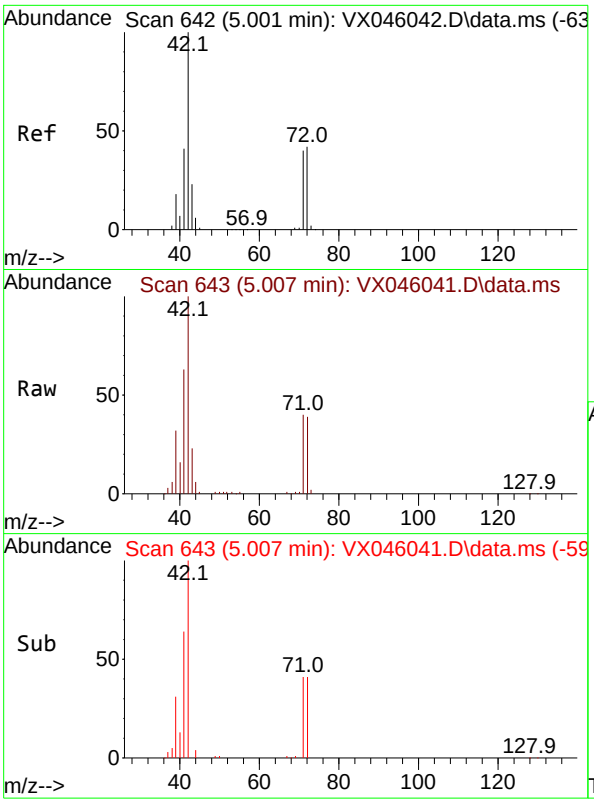


#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 49 Resp: 21028

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	70.9	56.2	84.2

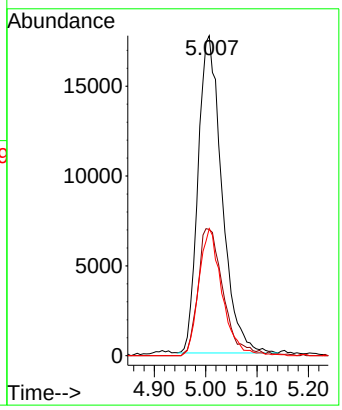




#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 42 Resp: 5681

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.2	31.4	47.2



Instrument :
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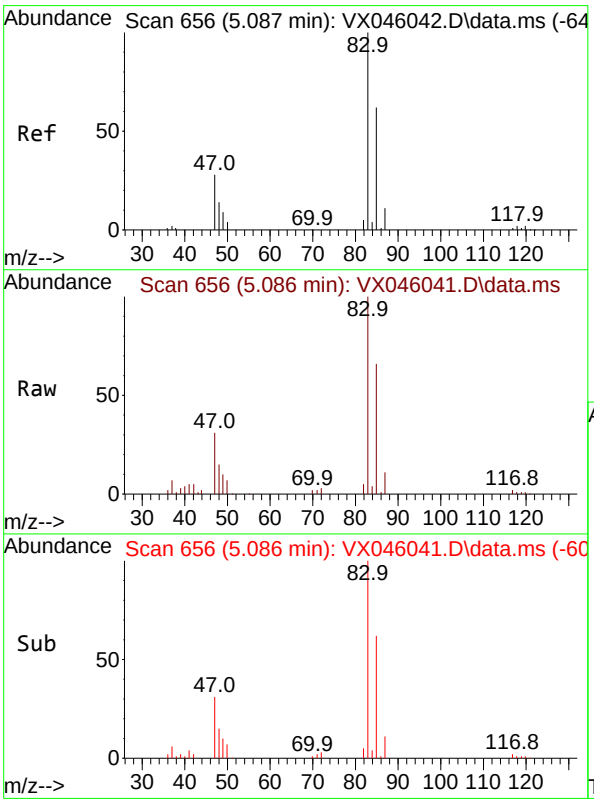
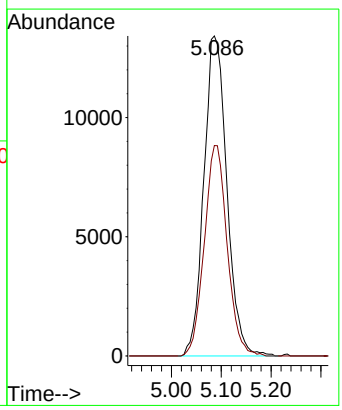
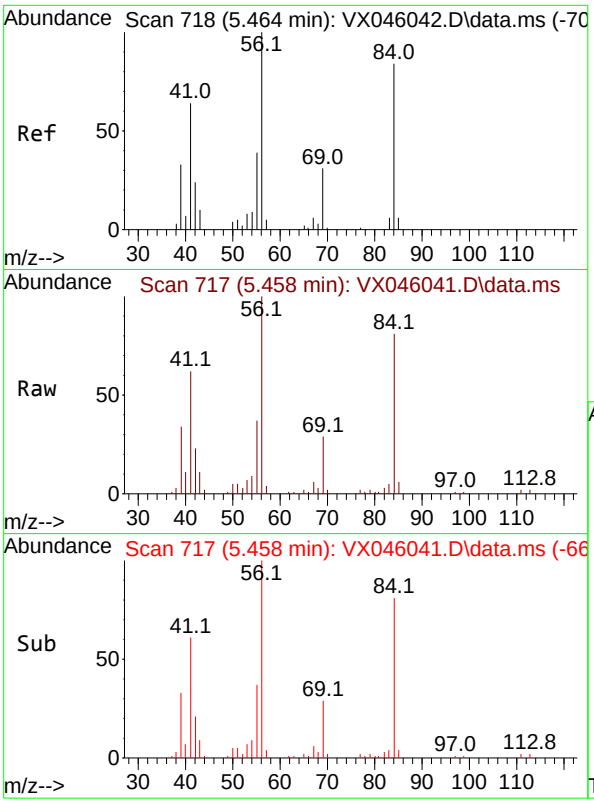


#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9

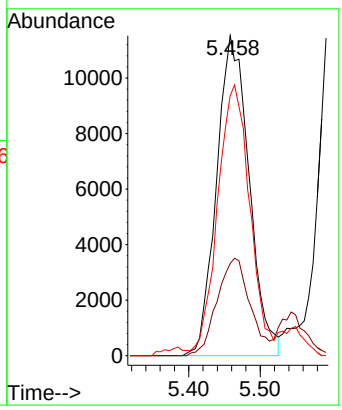




#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 3647

Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.4	36.6
84	78.5	66.9	100.3



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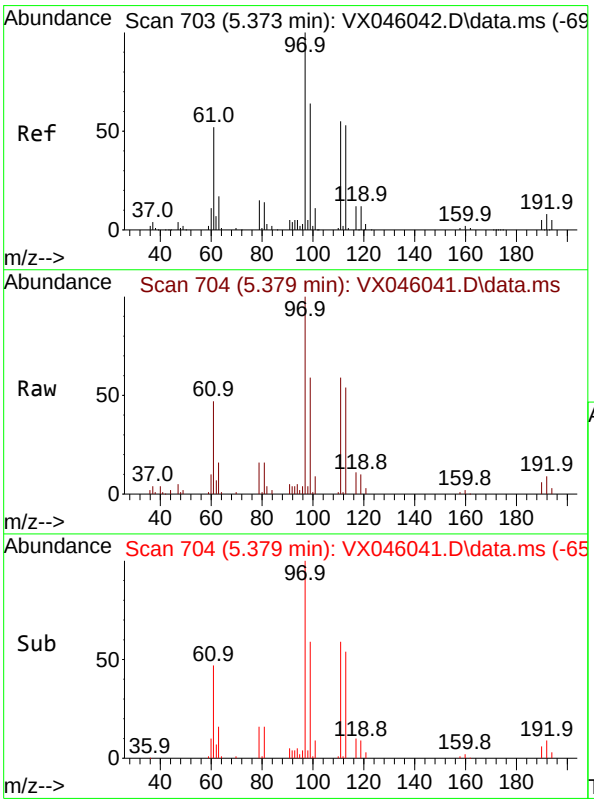
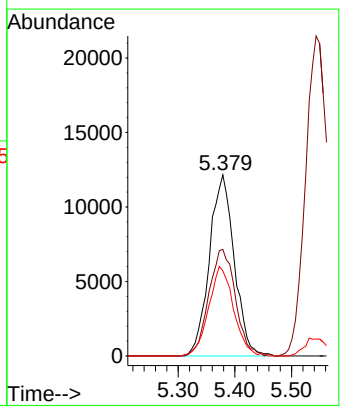
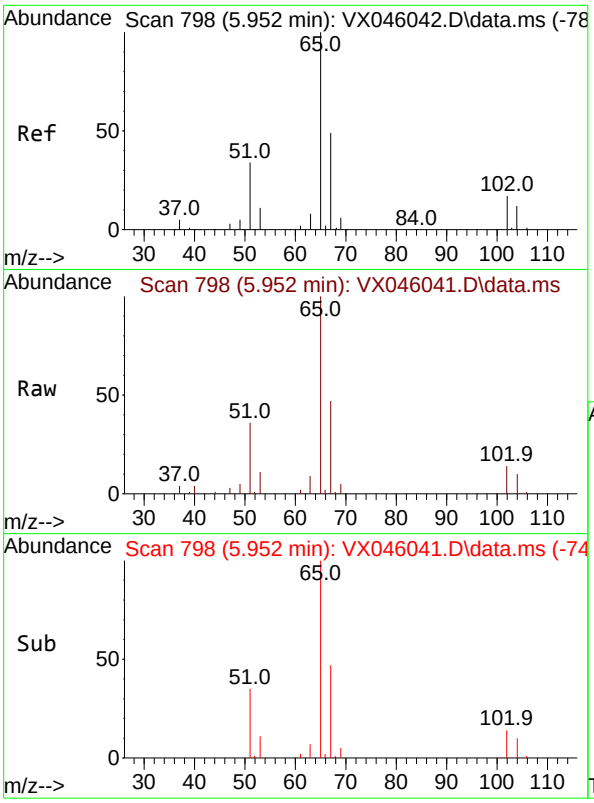


#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 37003

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	49.5	40.1	60.1

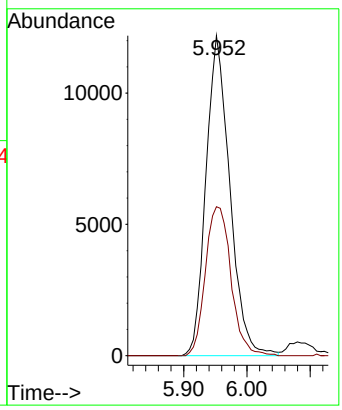




#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 65 Resp: 3190

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0



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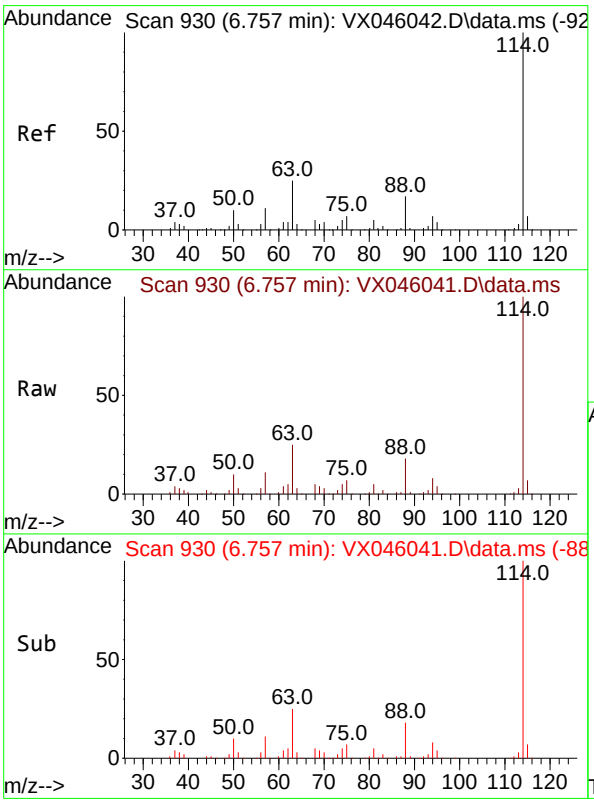
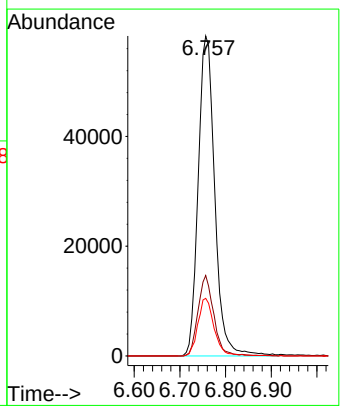
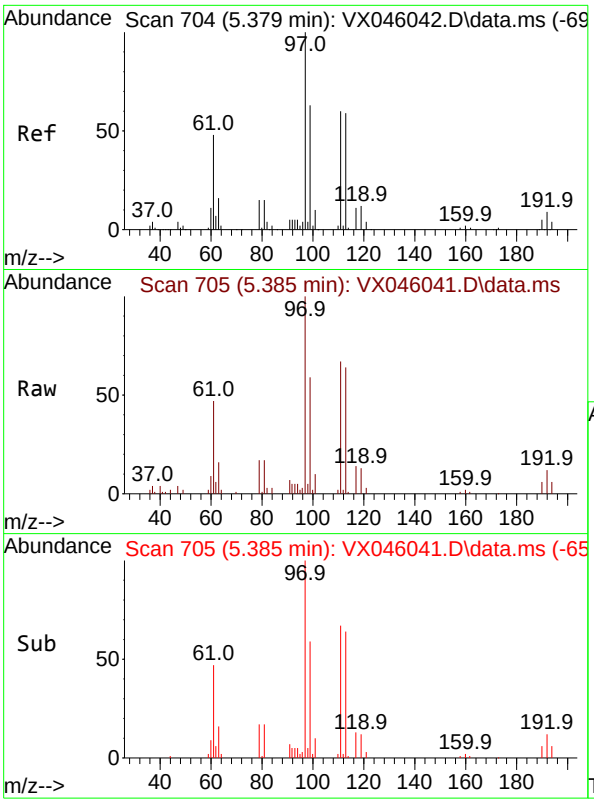


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:114 Resp: 147096

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	18.0	0.0	33.6

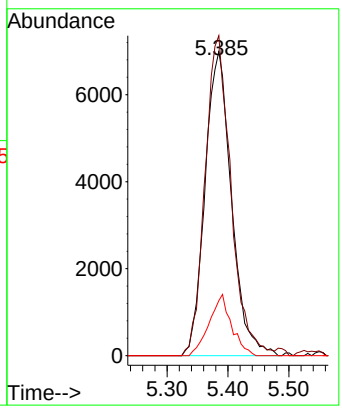




#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:113 Resp: 2111

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.0	13.3	19.9



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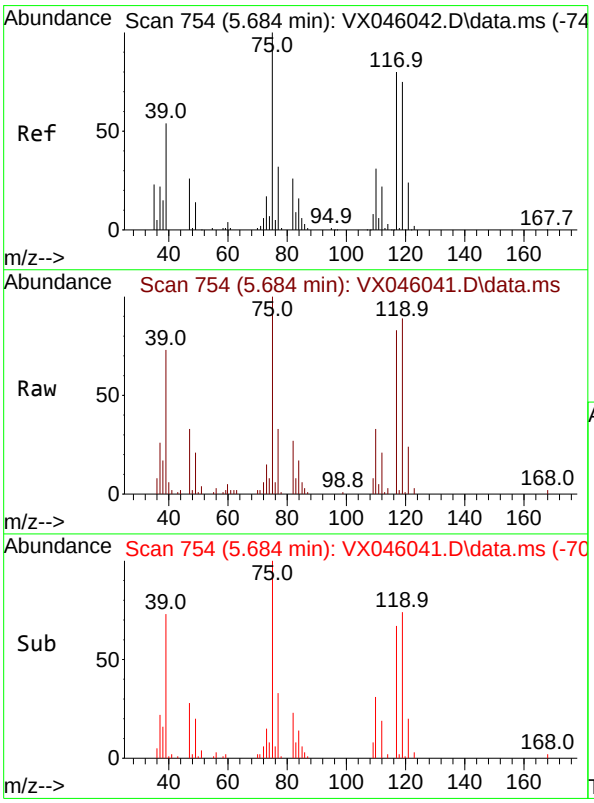
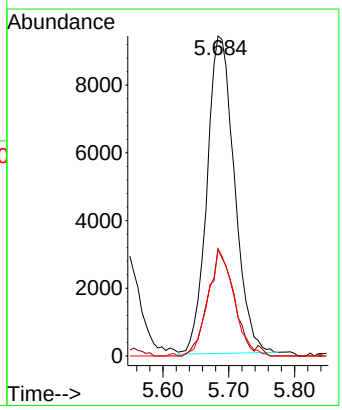
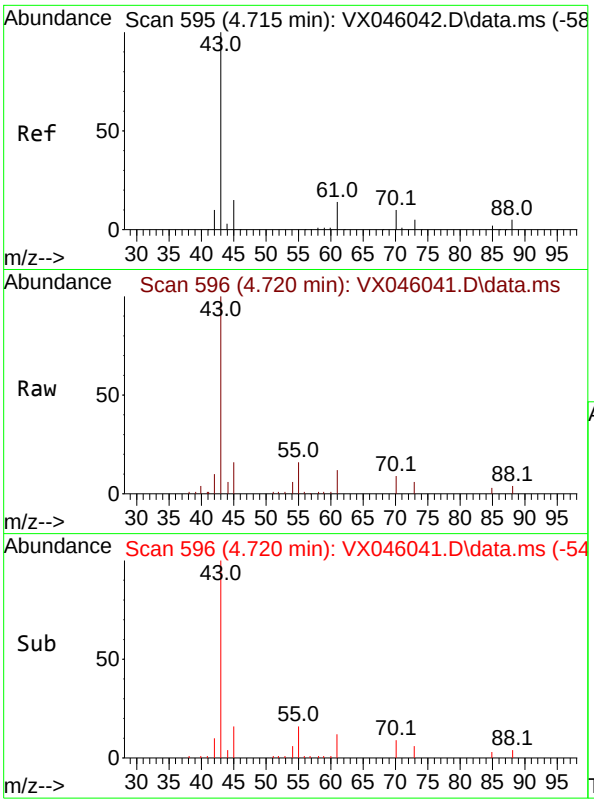


#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27242

Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.3	48.9
77	31.9	24.3	36.5





#37
Ethyl Acetate
Concen: 13.931 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 3345

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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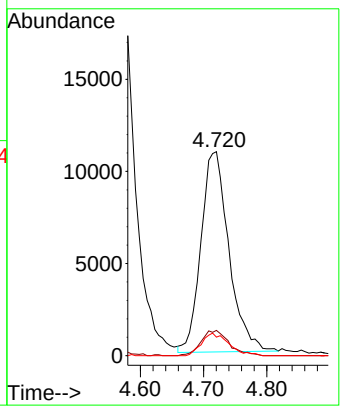
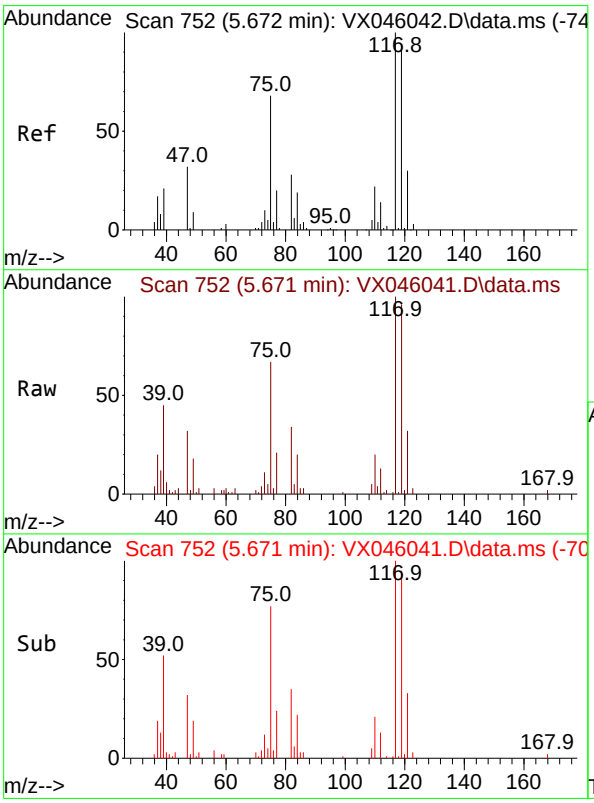
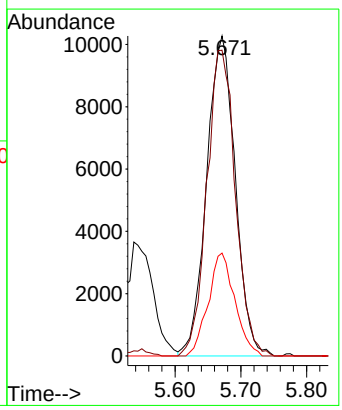


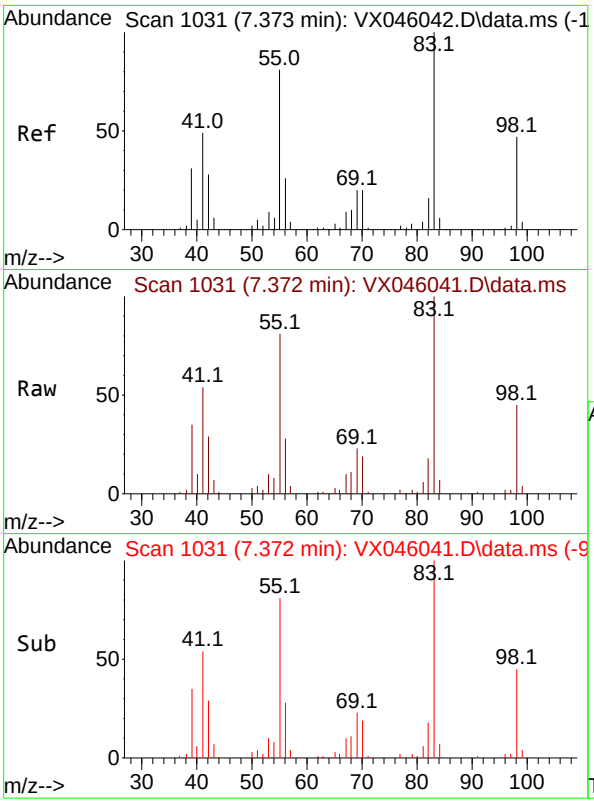


#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 31091

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.2	112.8
121	32.1	24.2	36.4

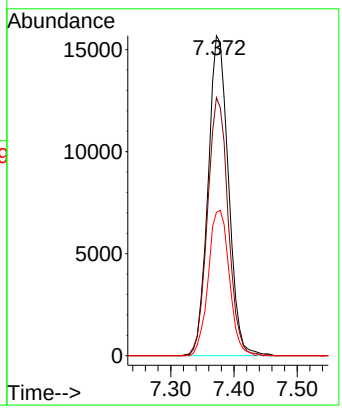




#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3507

Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.7	97.1
98	44.8	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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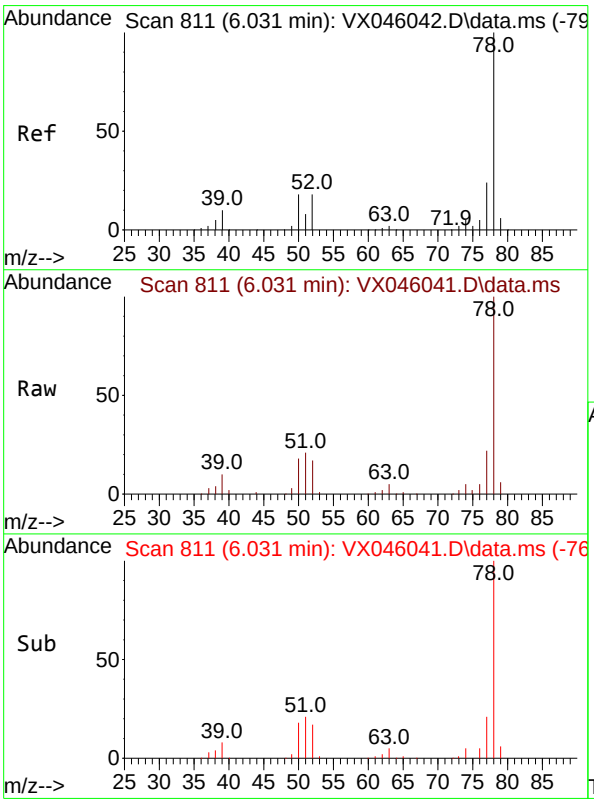
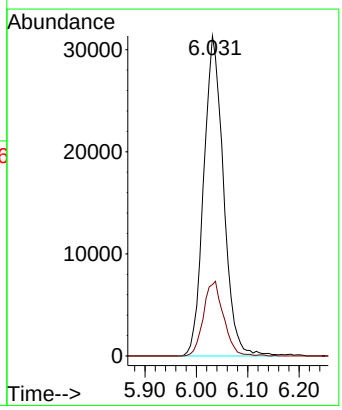
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

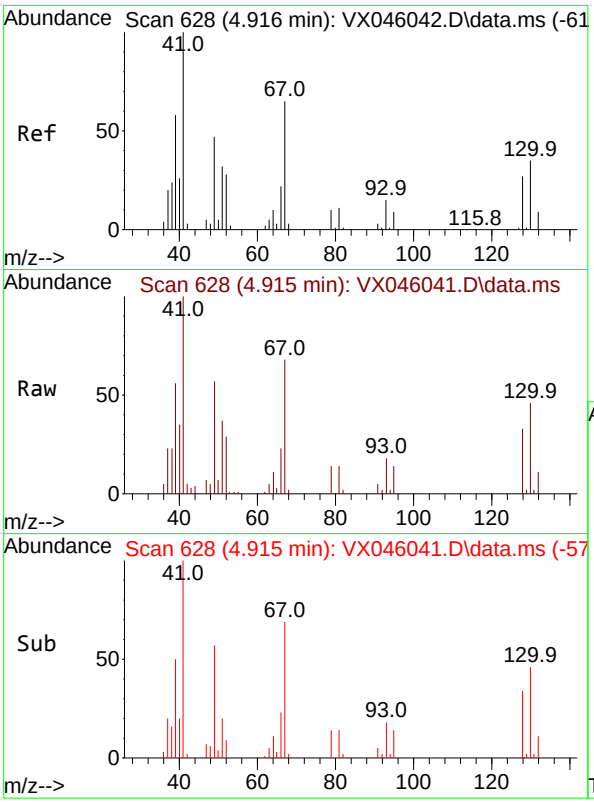


#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4

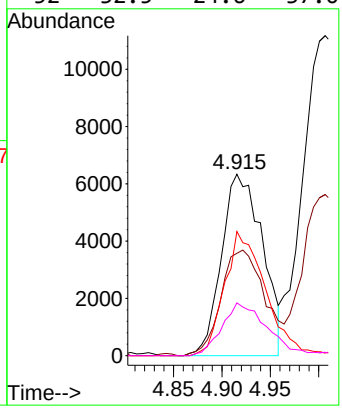




#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 1873

Ion	Ratio	Lower	Upper
41	100		
39	62.6	47.2	70.8
67	68.3	50.7	76.1
52	32.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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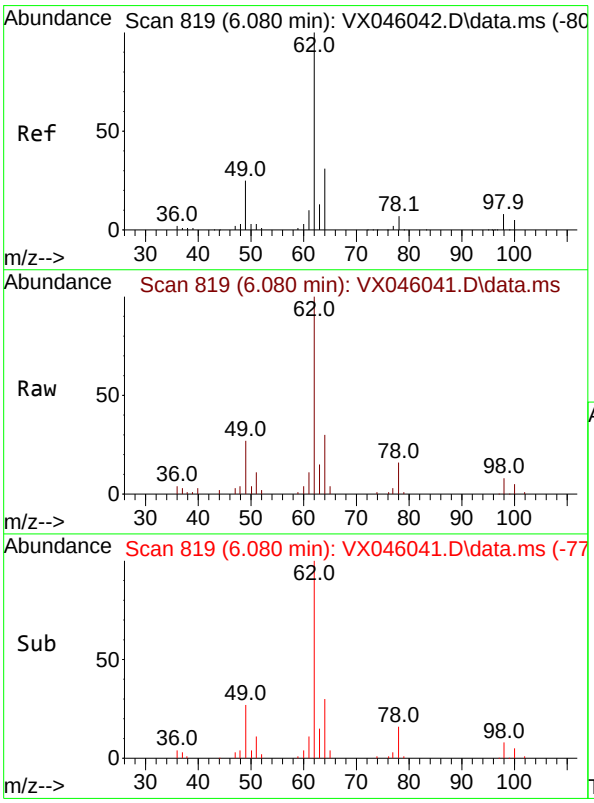
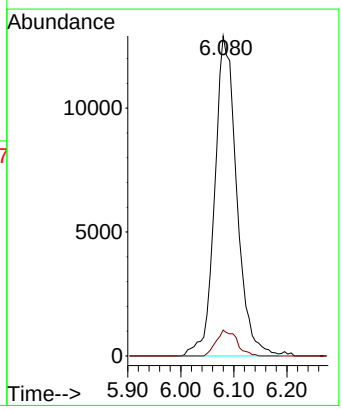
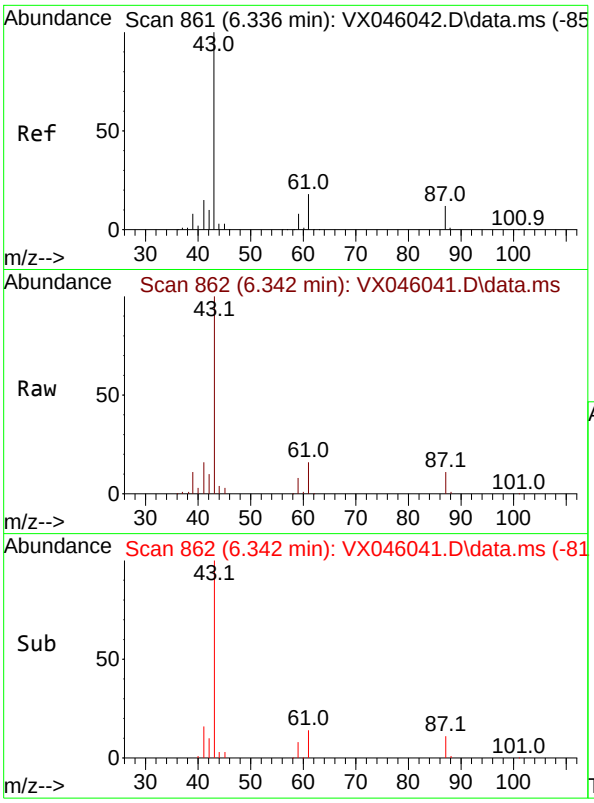


#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 14.512 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 5327

Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.3	21.5
87	11.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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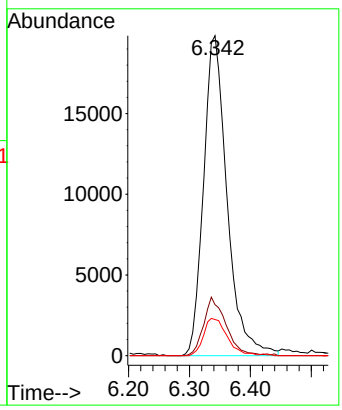
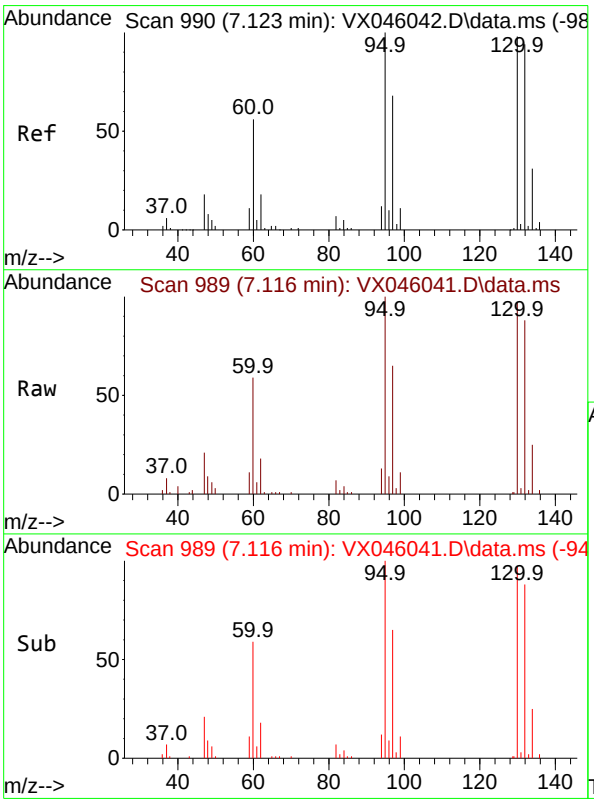
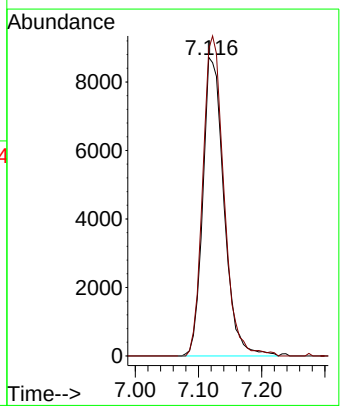


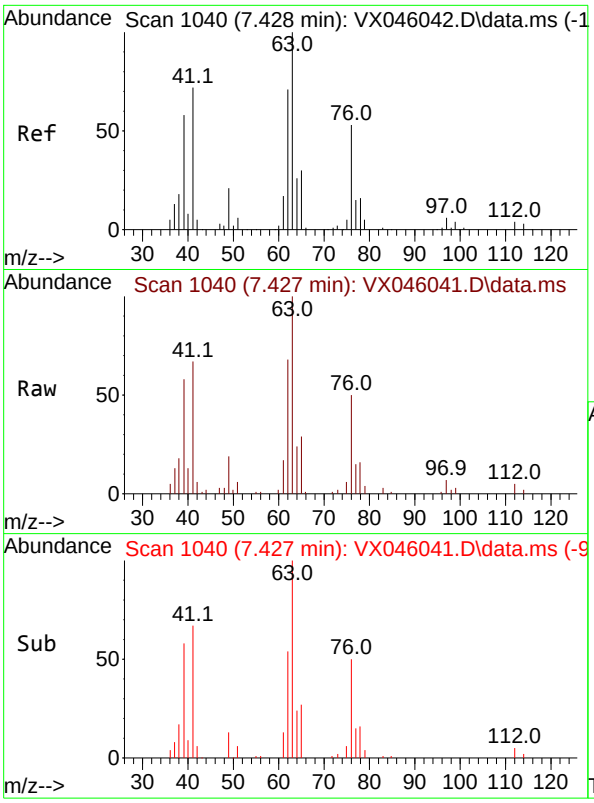


#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:130 Resp: 20239

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	204.2





#45
1,2-Dichloropropane
Concen: 14.204 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 2094

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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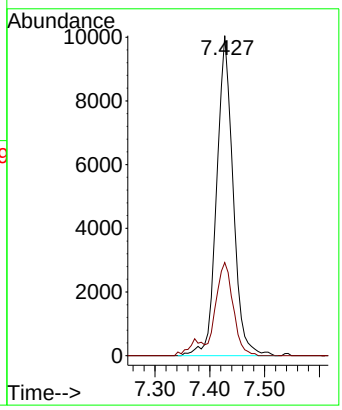
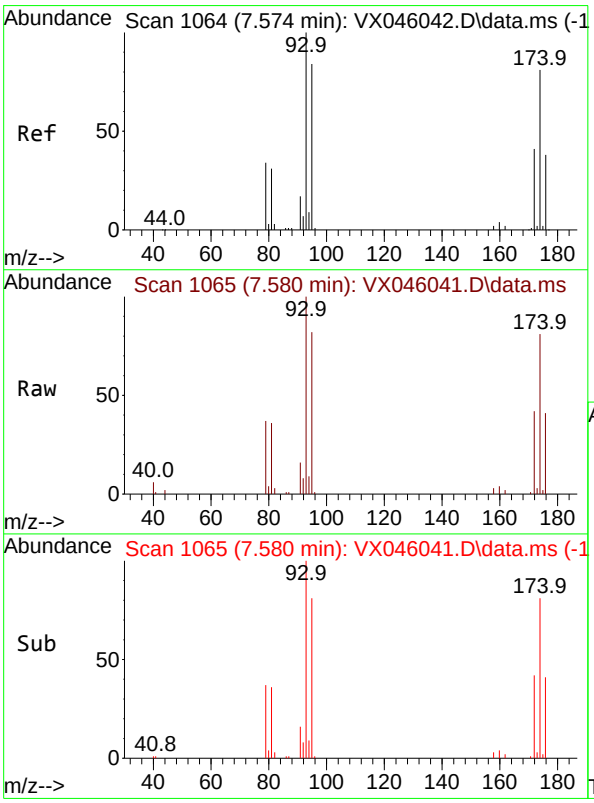
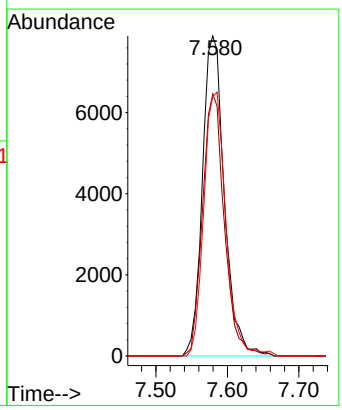


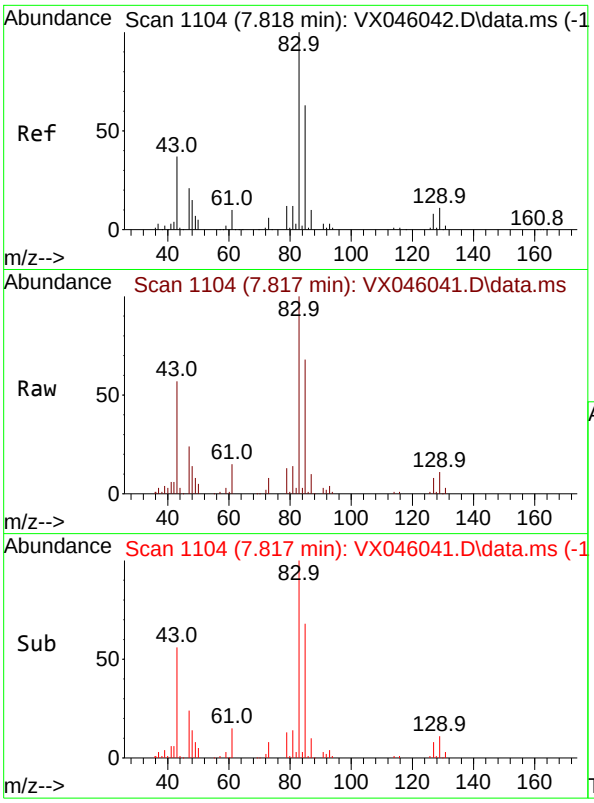


#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 93 Resp: 16781

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.6	98.4
174	83.1	68.2	102.2

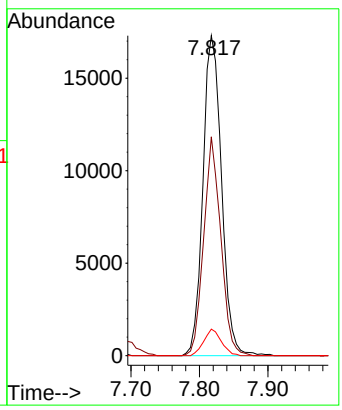




#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3276

Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.3	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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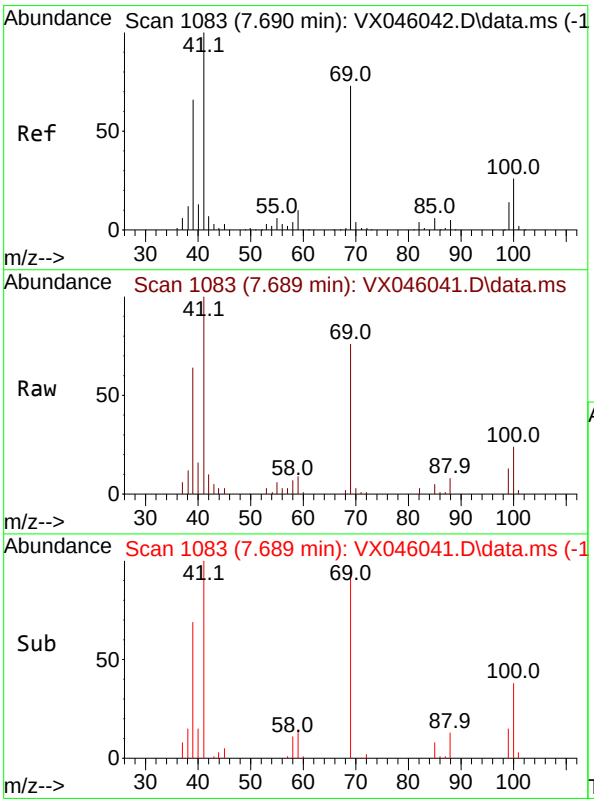
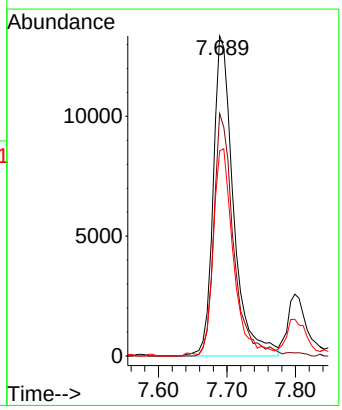
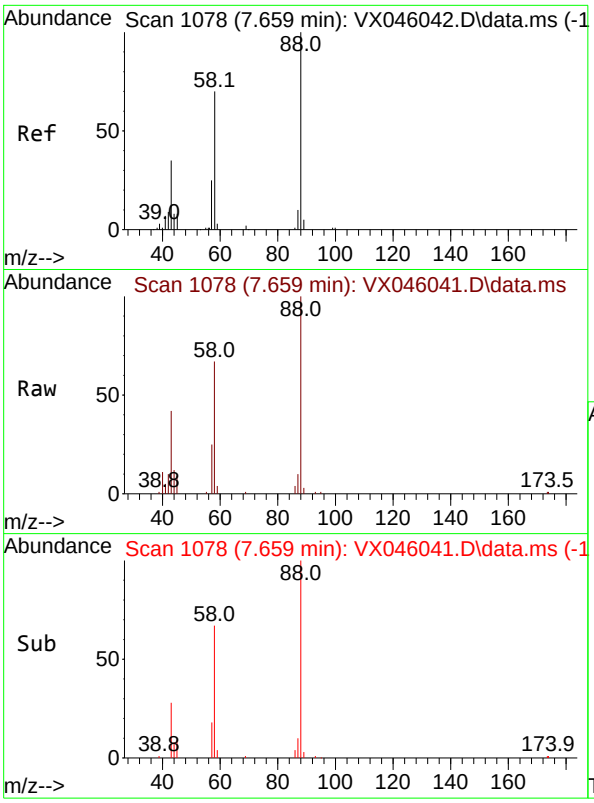


#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 27374

Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.5	87.7
39	64.9	51.7	77.5





#49
1,4-Dioxane
Concen: 282.442 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 88 Resp: 1058

Ion	Ratio	Lower	Upper
88	100		
43	45.5	33.4	50.2
58	73.6	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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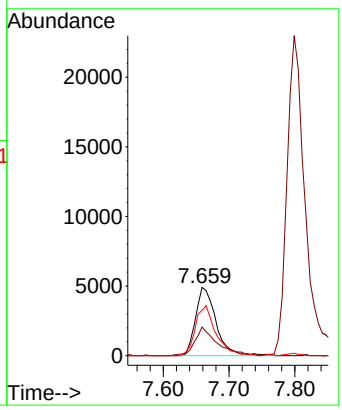
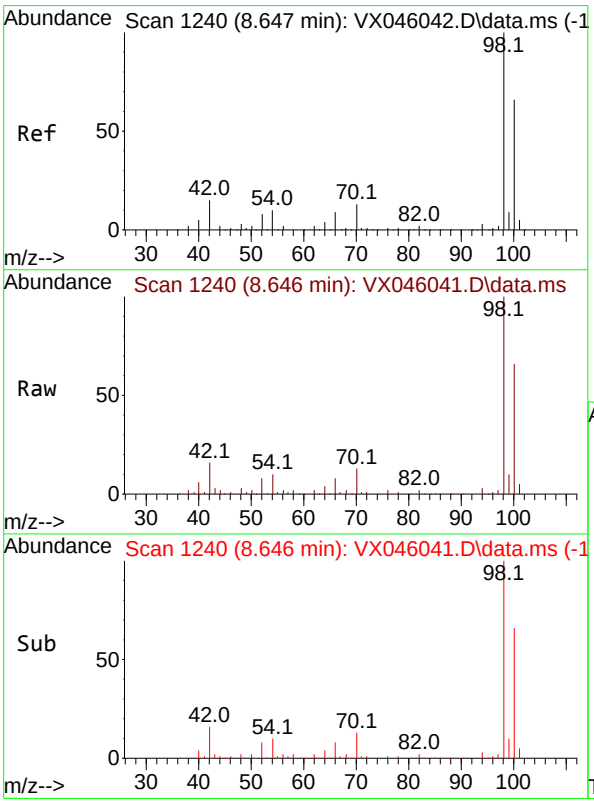
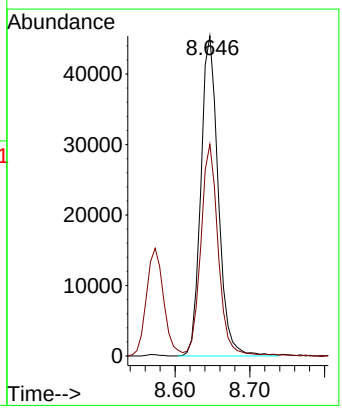


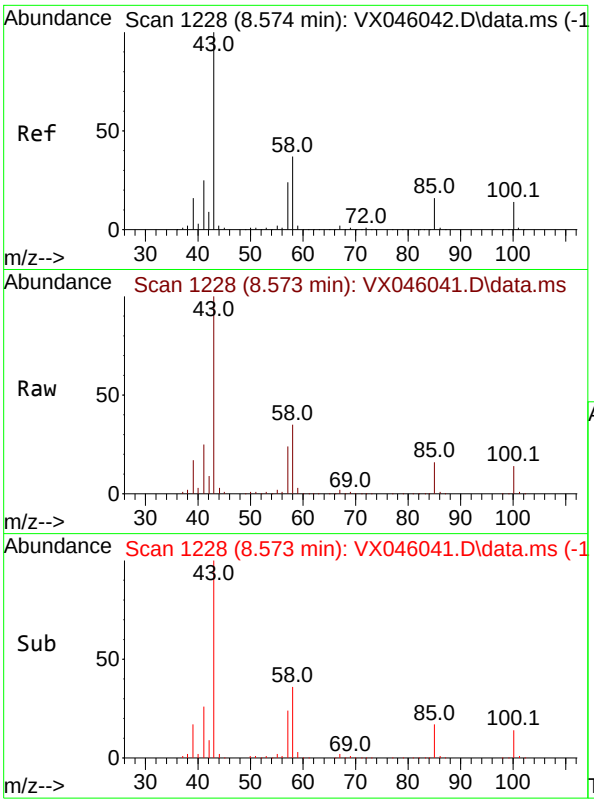


#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 98 Resp: 73333

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 18245

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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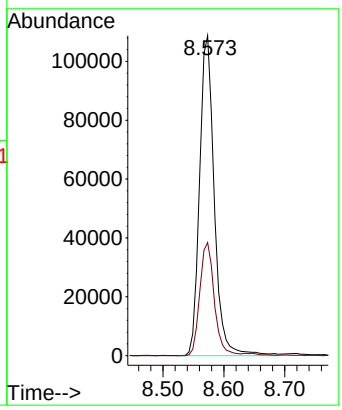
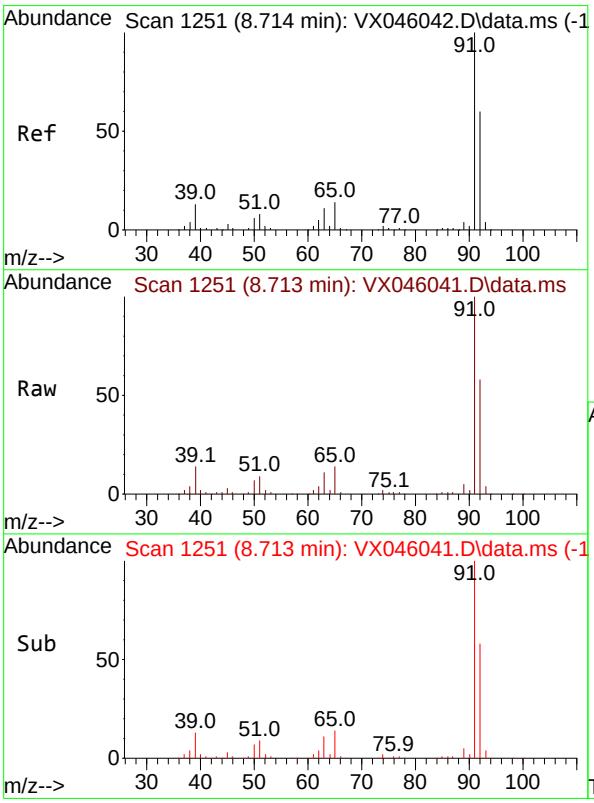
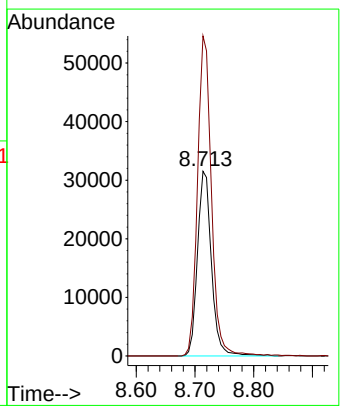


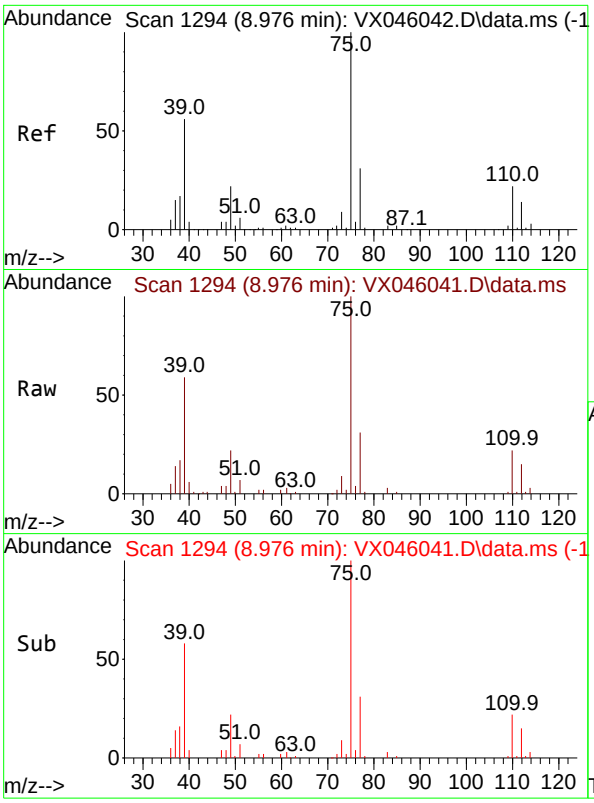


#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	205.0

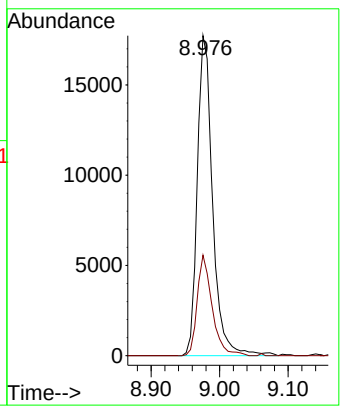




#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 2754

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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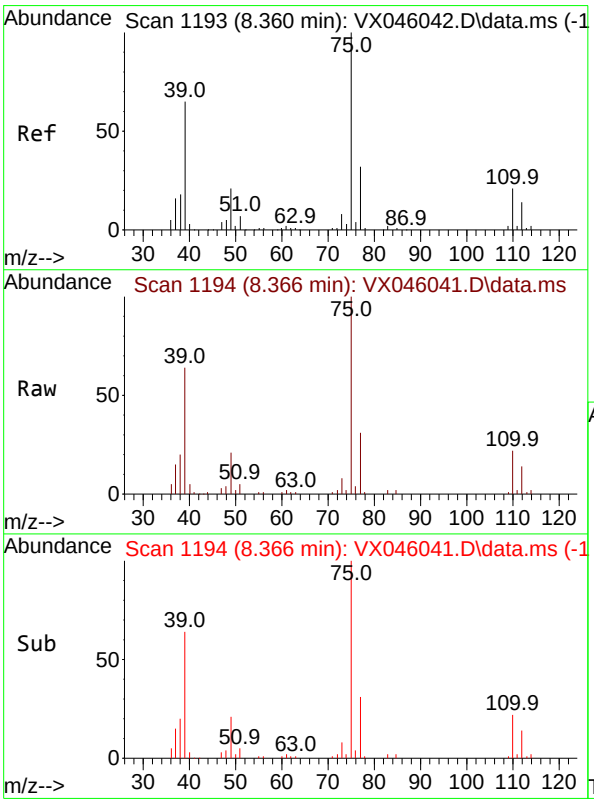
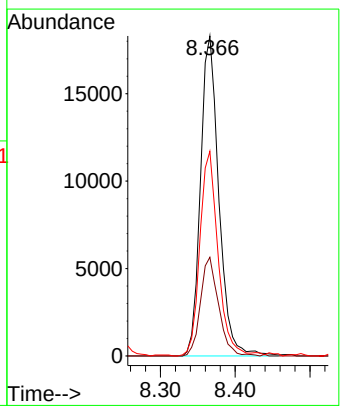
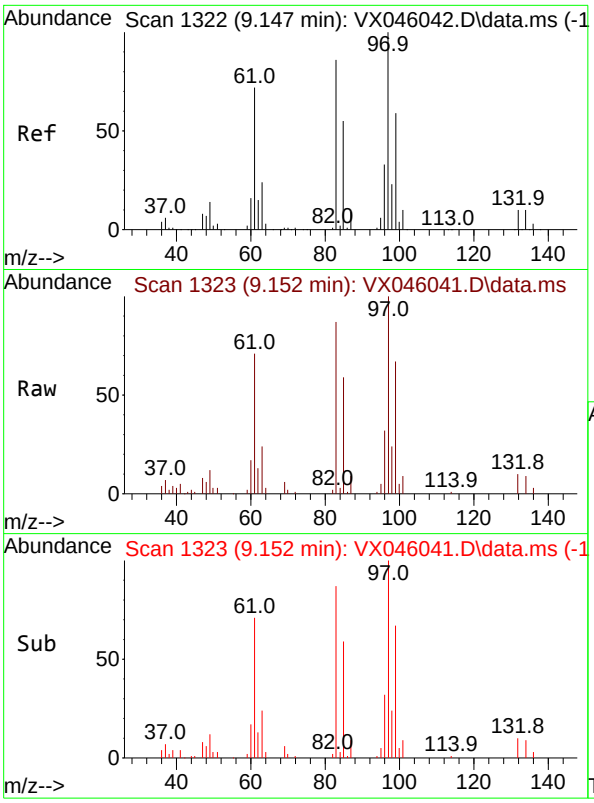


#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 31226

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	64.0	52.2	78.4

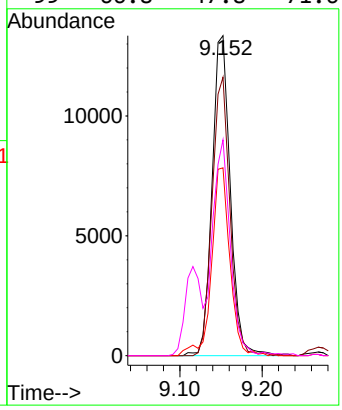




#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 2053

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.0	103.6
85	58.7	44.3	66.5
99	66.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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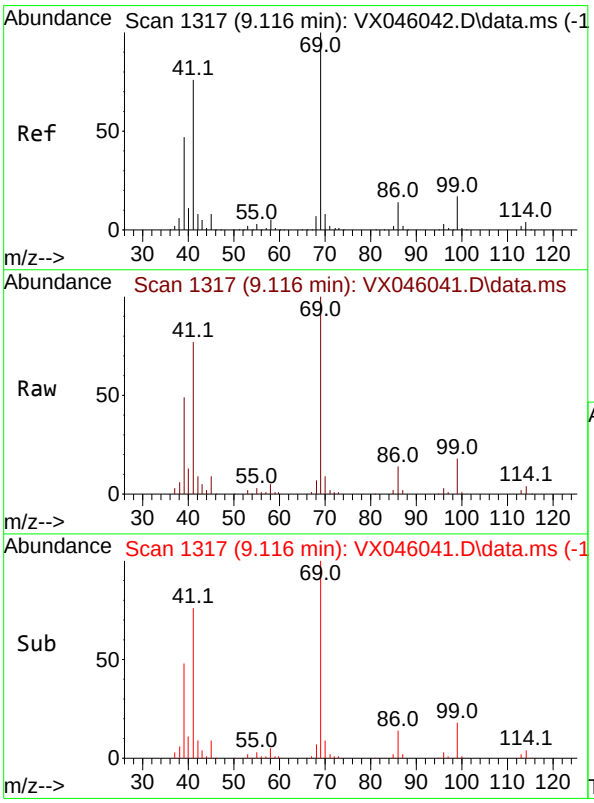
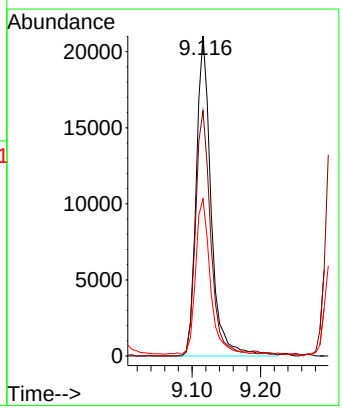
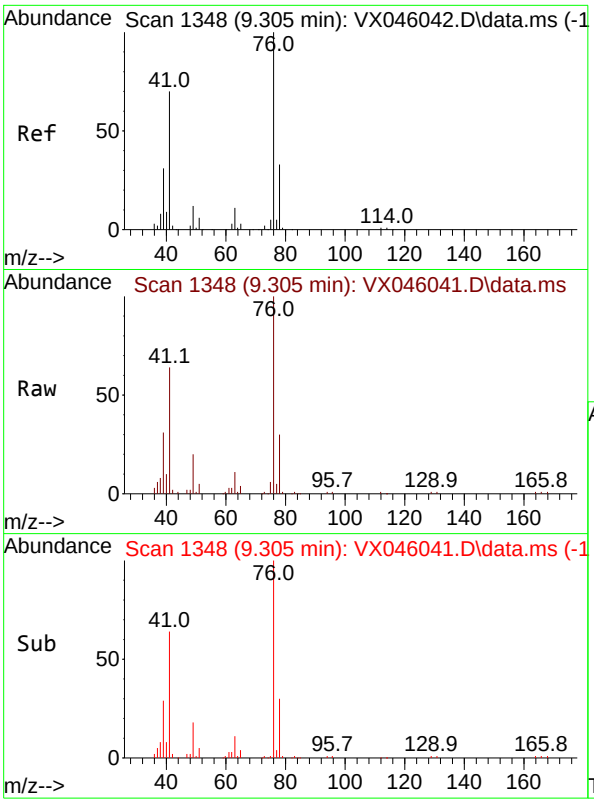


#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 69 Resp: 31787

Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.8	91.2
39	49.3	39.0	58.6

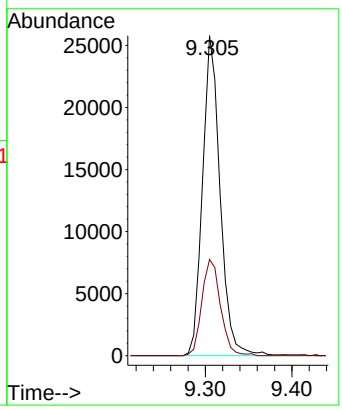




#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 3634

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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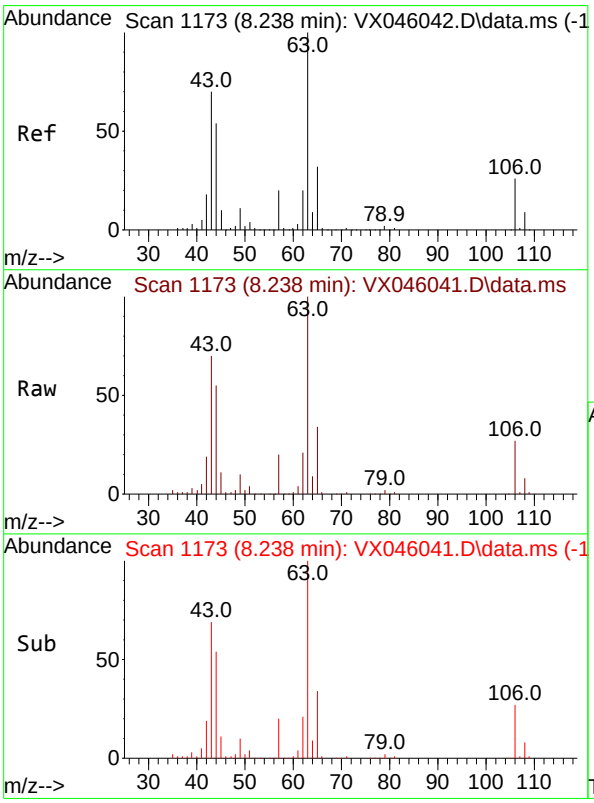
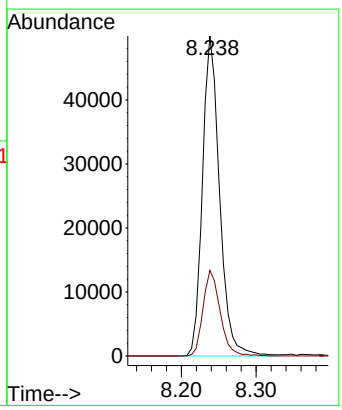
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

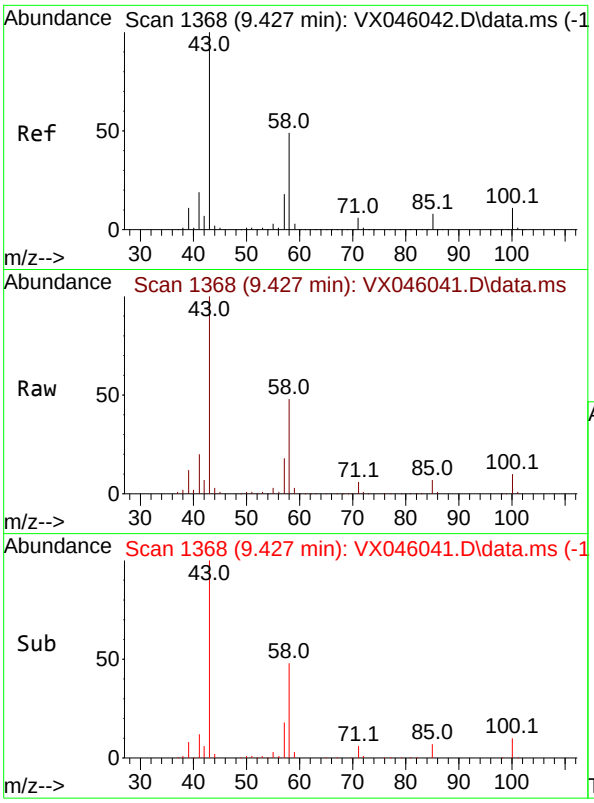


#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 79531

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 74.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 13705

Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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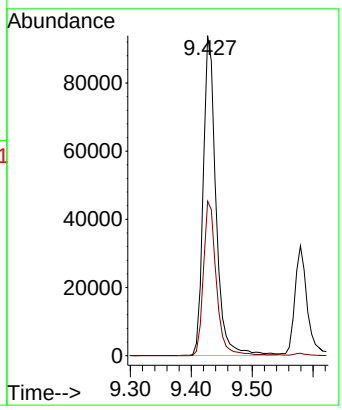
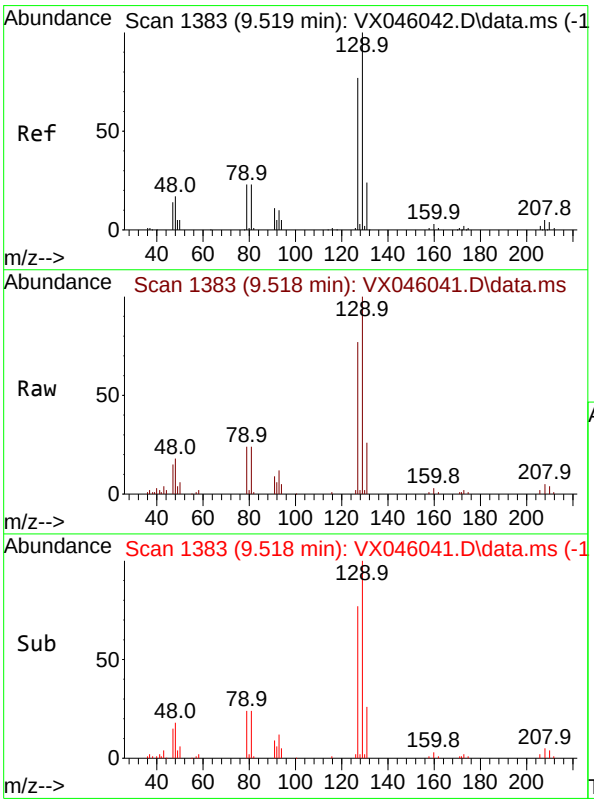
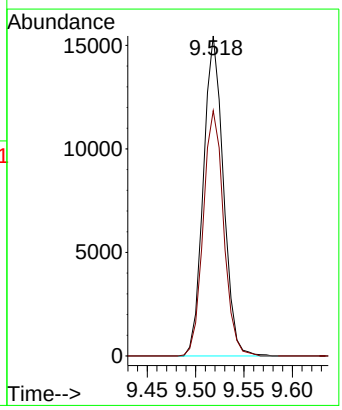


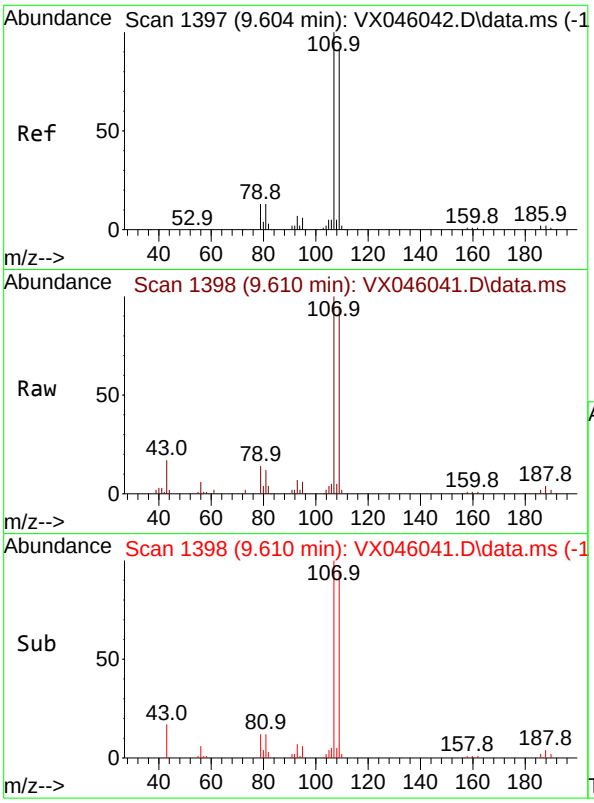


#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:129 Resp: 22267

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.8

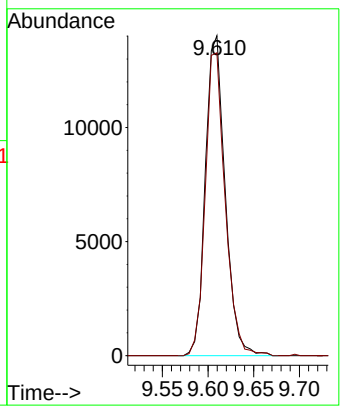




#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:107 Resp: 2111

Ion	Ratio	Lower	Upper
107	100		
109	95.3	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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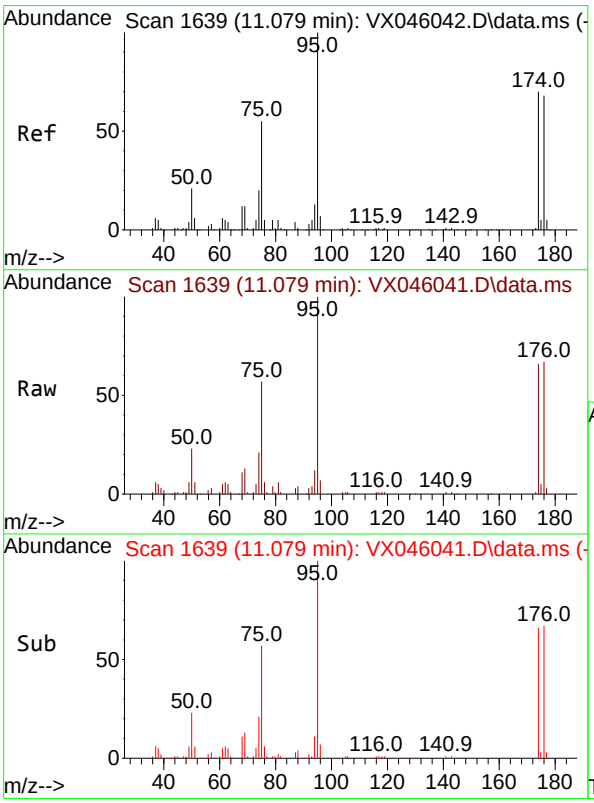
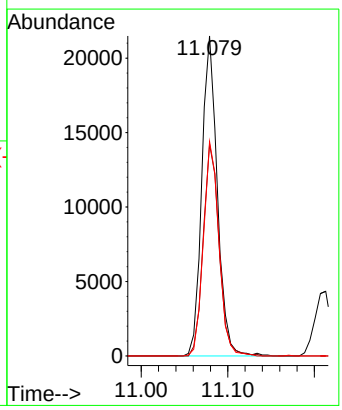
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

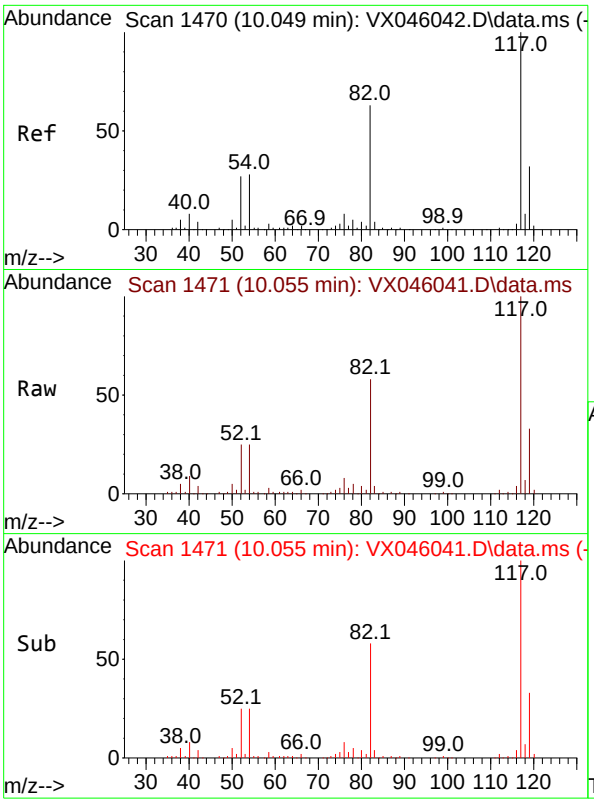


#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 95 Resp: 26760

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	67.0	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 12782

Ion	Ratio	Lower	Upper
117	100		
82	57.7	50.6	76.0
119	32.7	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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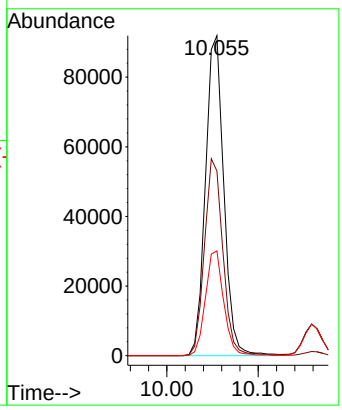
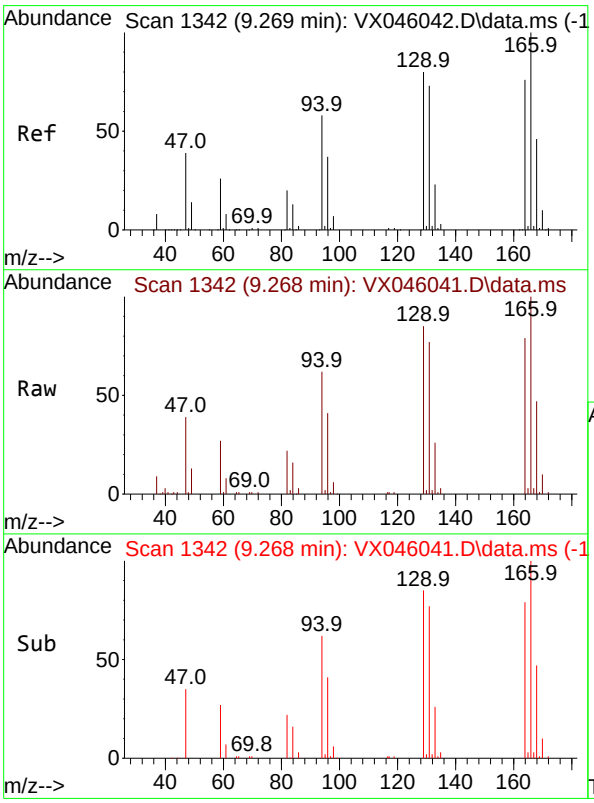
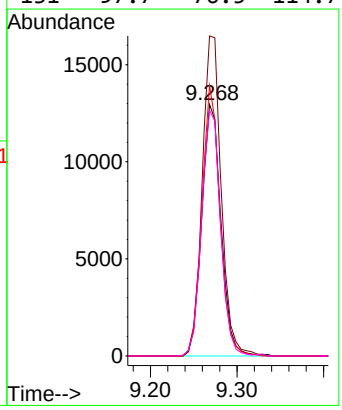


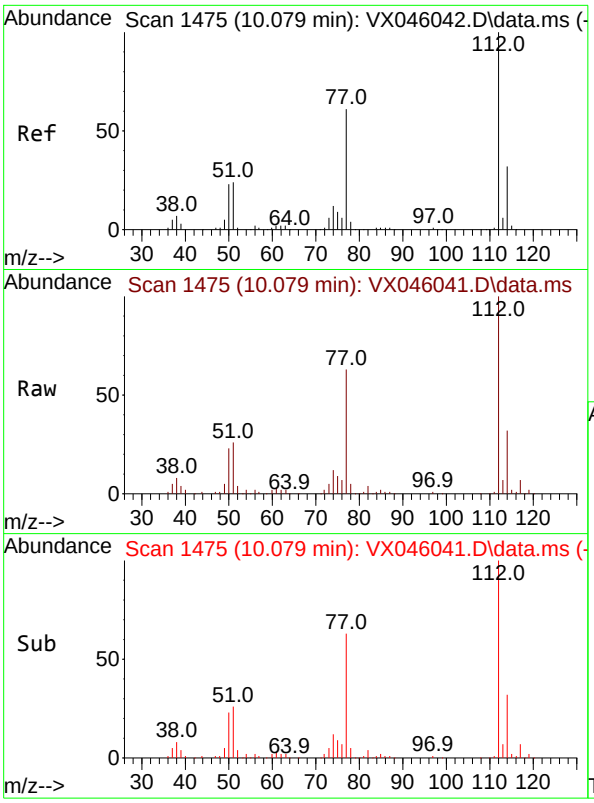


#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:164 Resp: 19924

Ion	Ratio	Lower	Upper
164	100		
166	127.2	105.0	157.6
129	107.6	83.5	125.3
131	97.7	76.5	114.7

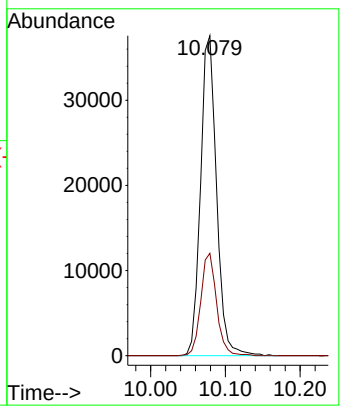




#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:112 Resp: 5586

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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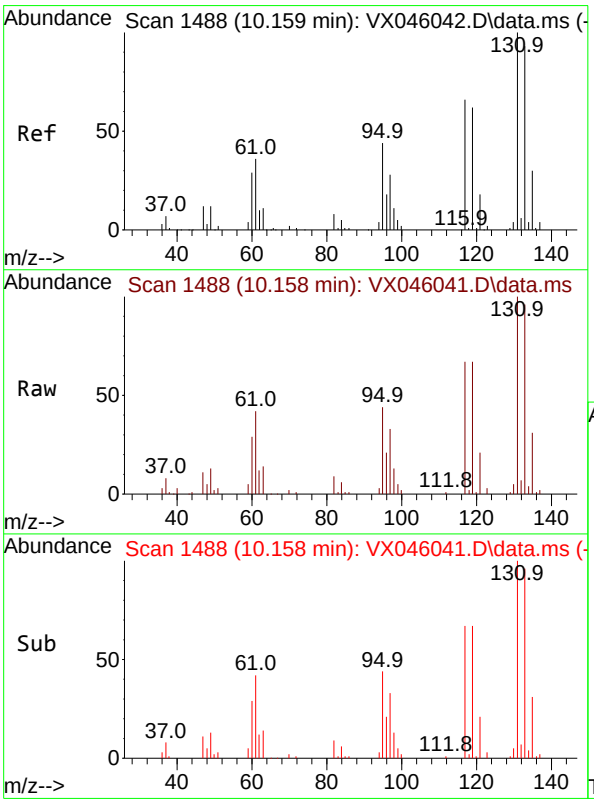
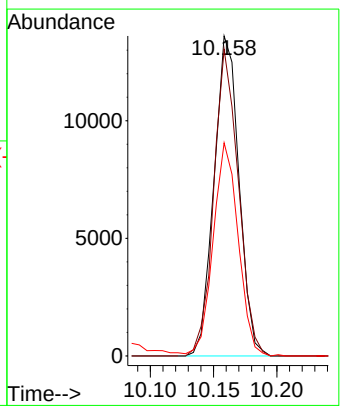
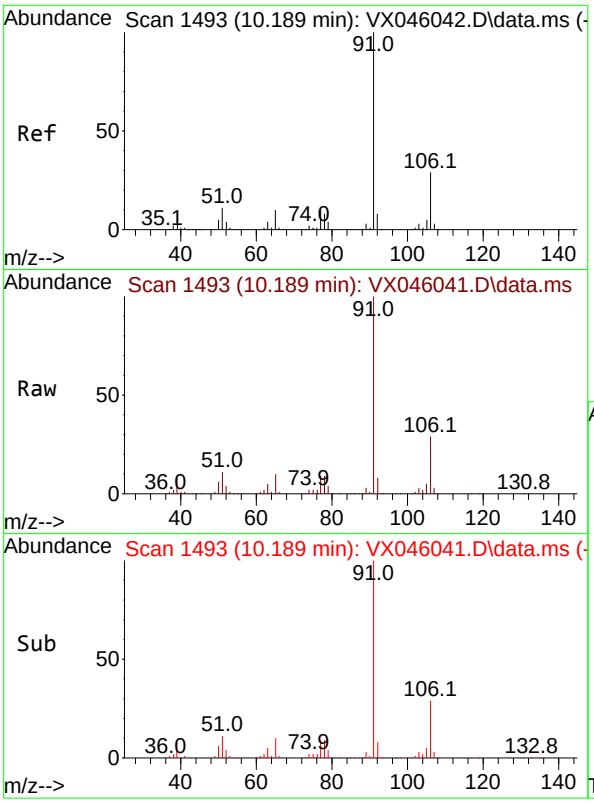


#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:131 Resp: 18671

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.9
119	66.7	31.6	95.0





#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 9811

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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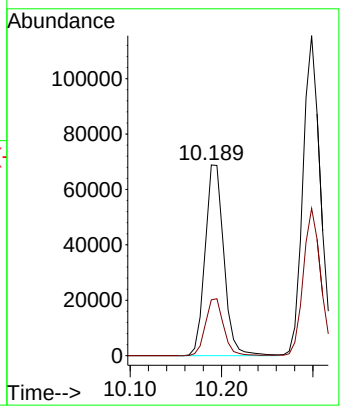
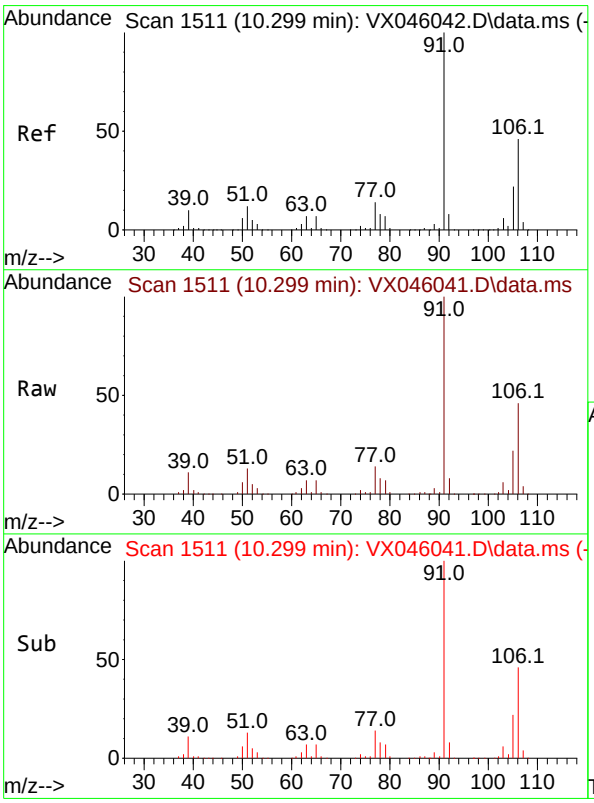
Supervised By :Mahesh Dadoda 05/06/2025

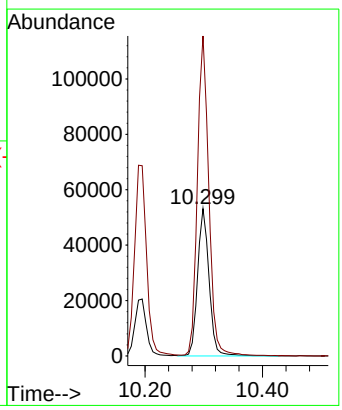


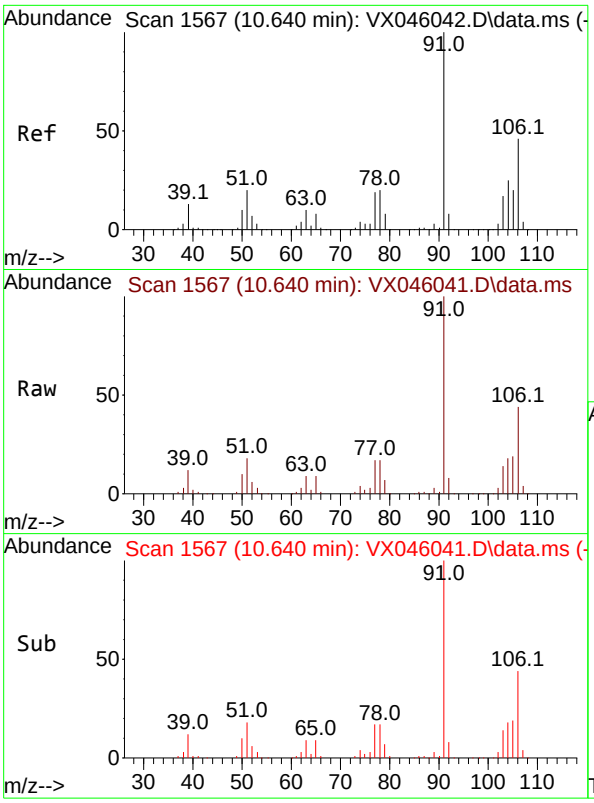


#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

Ion	Ratio	Lower	Upper
106	100		
91	216.1	171.2	256.8





#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 3517

Ion	Ratio	Lower	Upper
106	100		
91	231.7	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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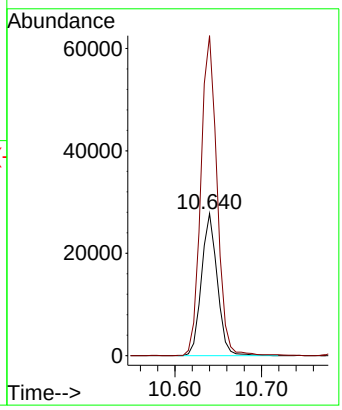
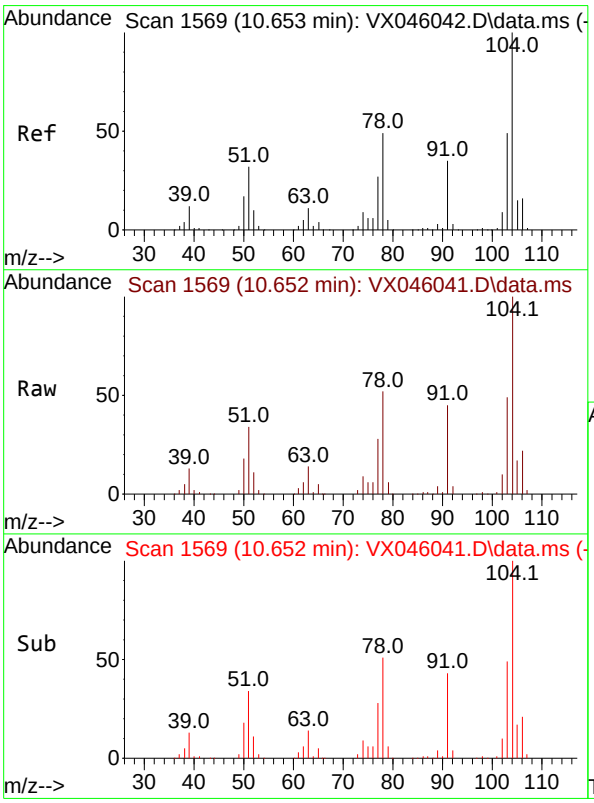
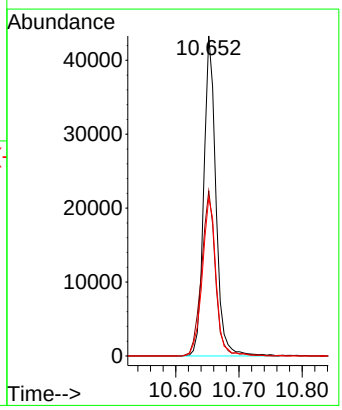


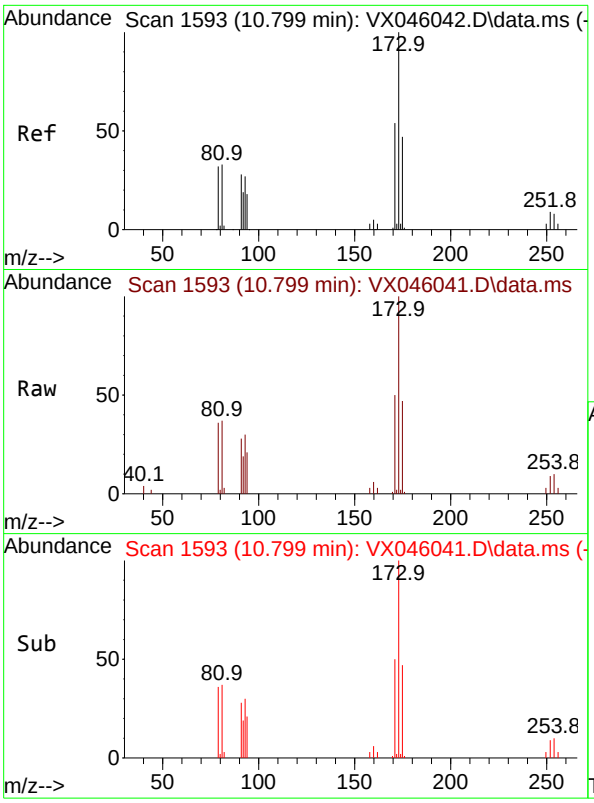


#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:104 Resp: 58034

Ion	Ratio	Lower	Upper
104	100		
78	58.7	45.7	68.5
103	55.6	43.7	65.5

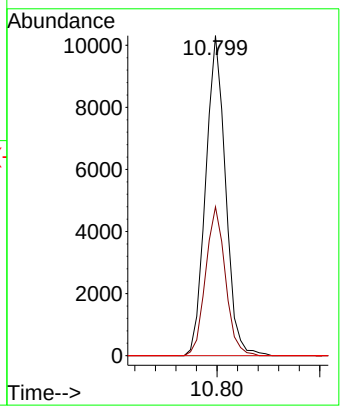




#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:173 Resp: 1382

Ion	Ratio	Lower	Upper
173	100		
175	46.4	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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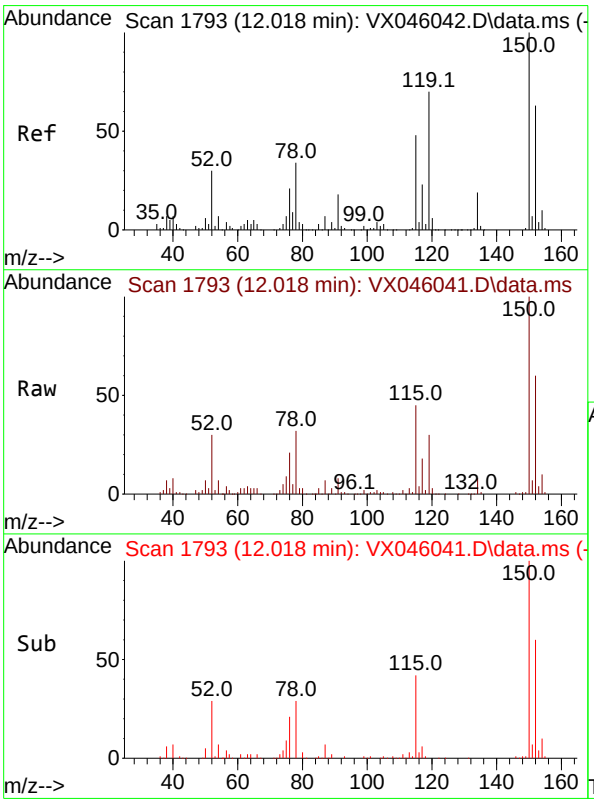
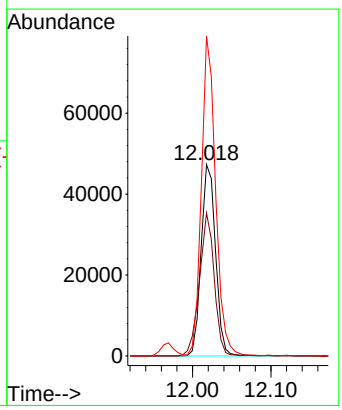
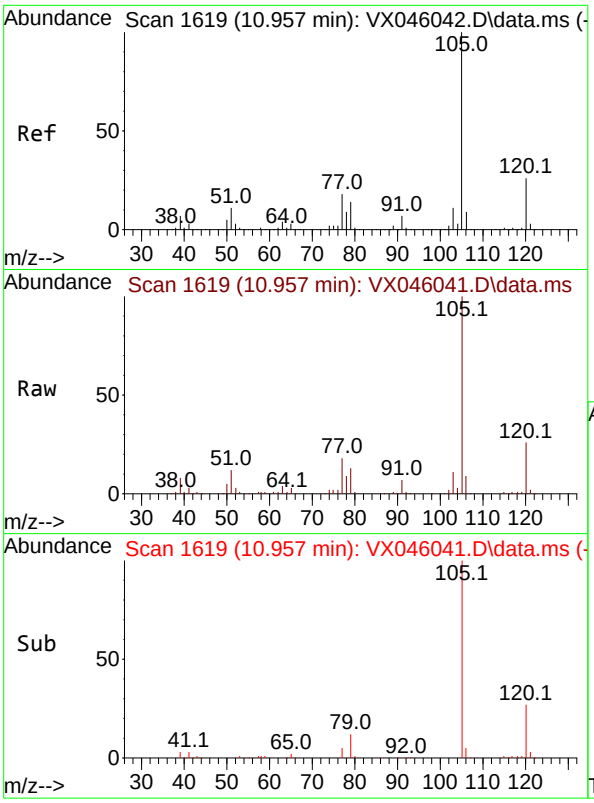


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:152 Resp: 60503

Ion	Ratio	Lower	Upper
152	100		
115	76.6	46.9	140.7
150	163.6	0.0	351.0





#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 9301

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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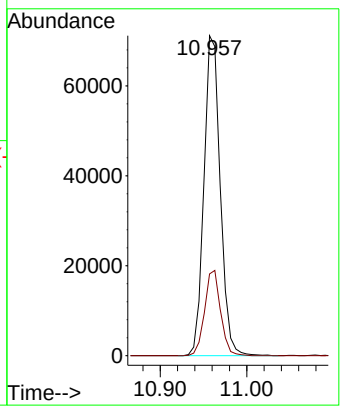
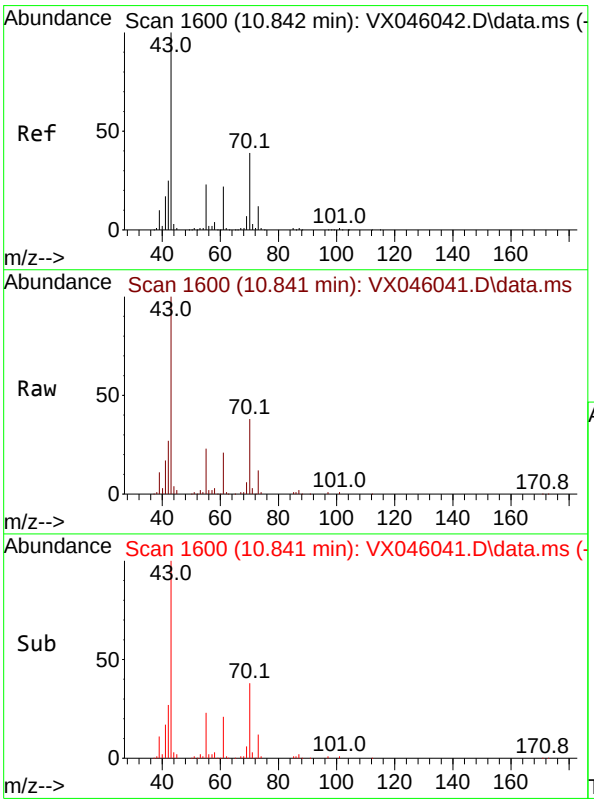
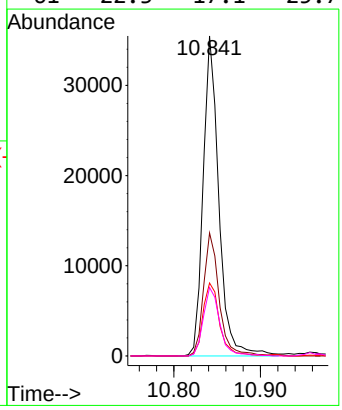


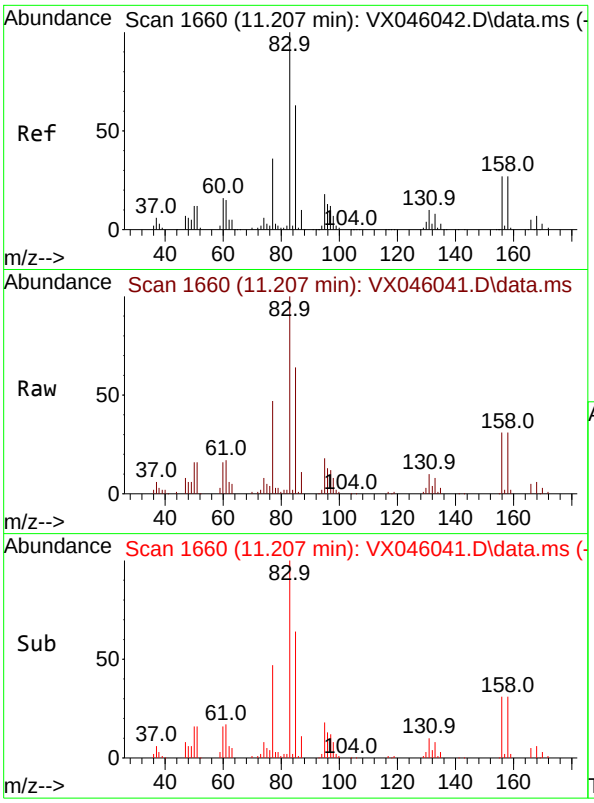


#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 44684

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	24.1	18.7	28.1
61	22.3	17.1	25.7

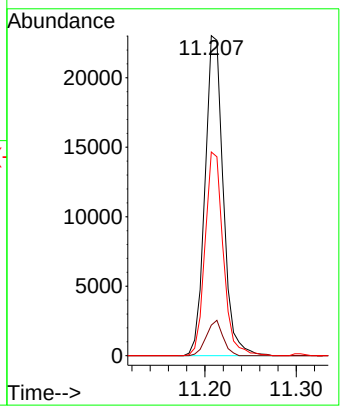




#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3183

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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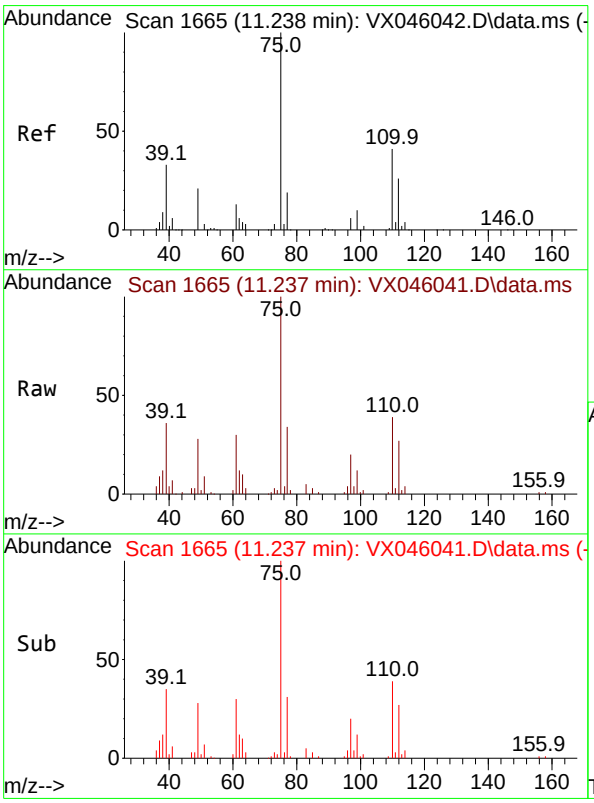
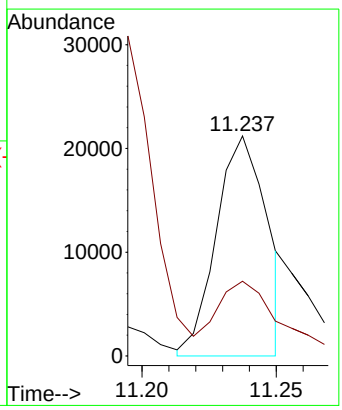
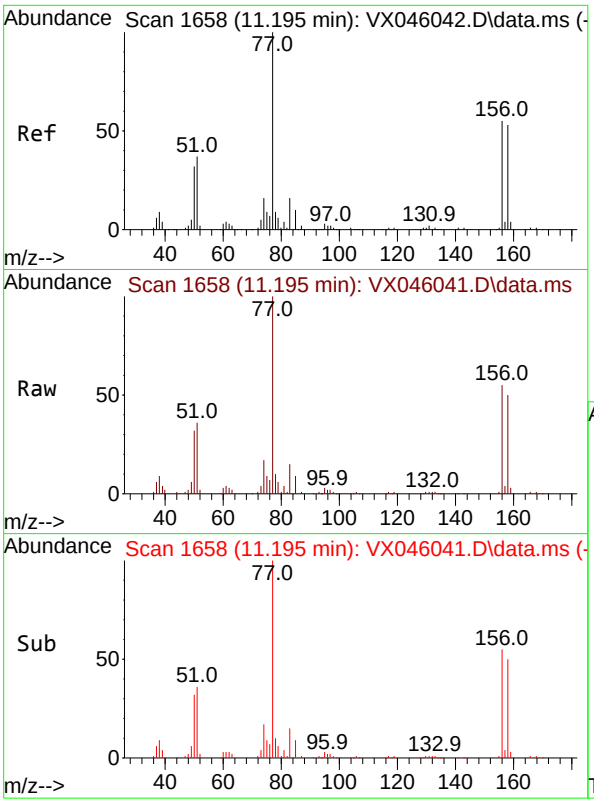


#76
1,2,3-Trichloropropane
Concen: 11.039 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27845

Ion	Ratio	Lower	Upper
75	100		
77	43.0	20.5	61.5





#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:156 Resp: 2169

Ion	Ratio	Lower	Upper
156	100		
77	179.9	92.8	278.3
158	93.1	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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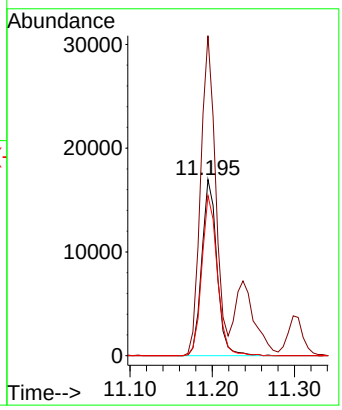
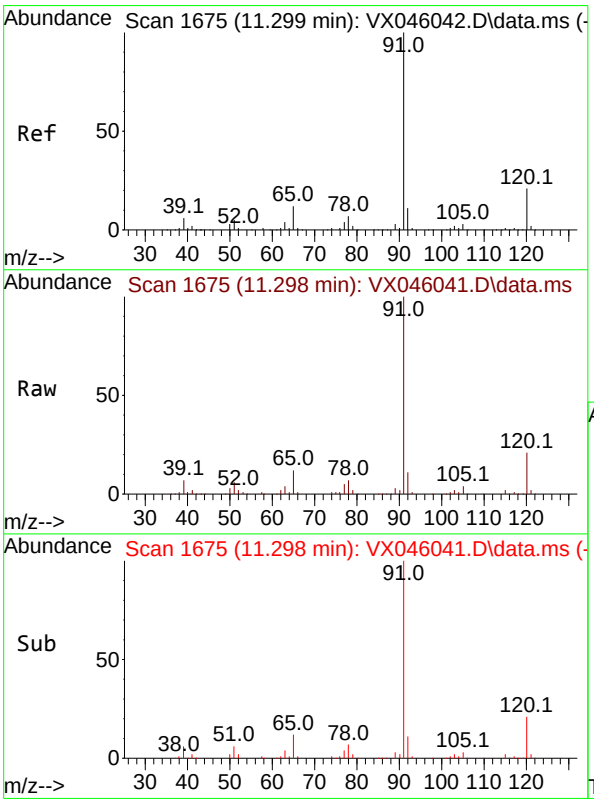
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

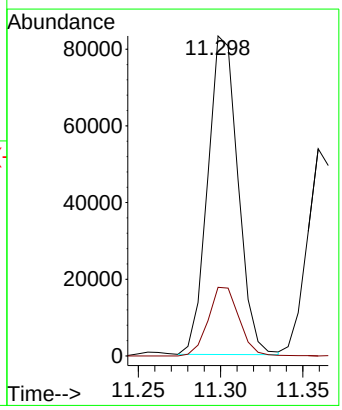


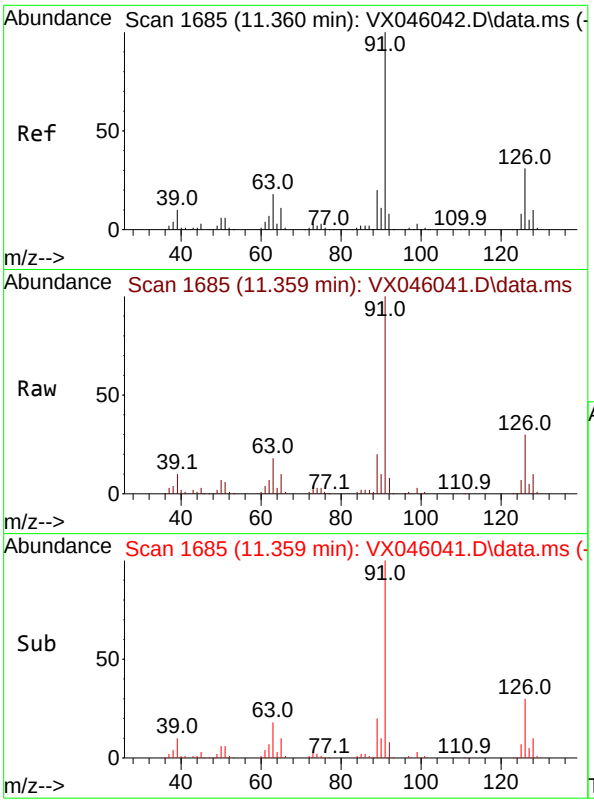


#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 6853

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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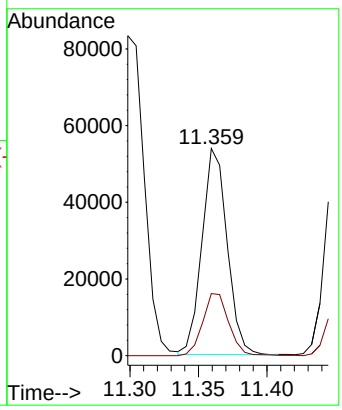
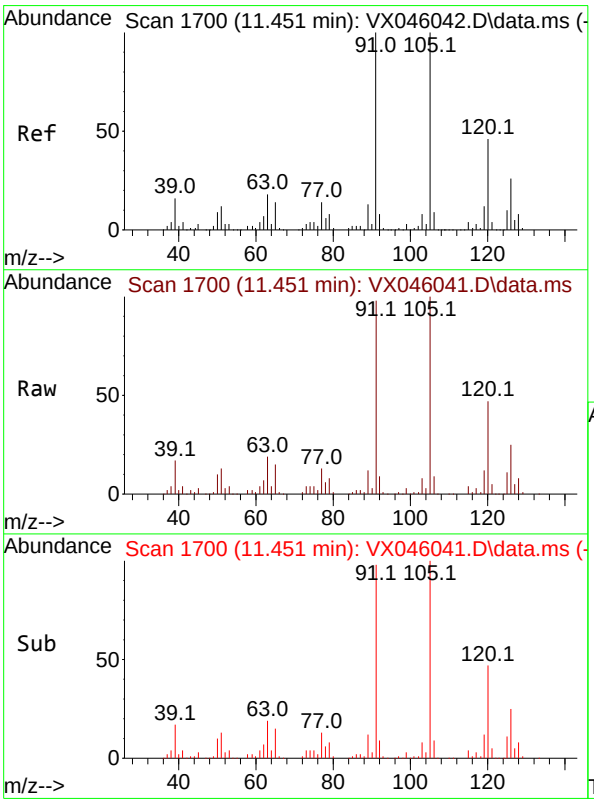
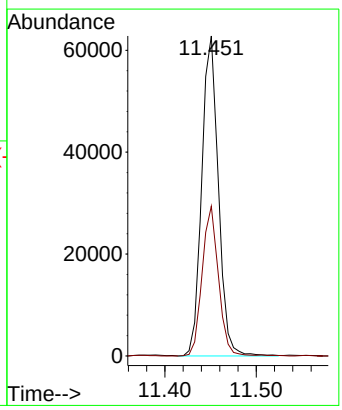


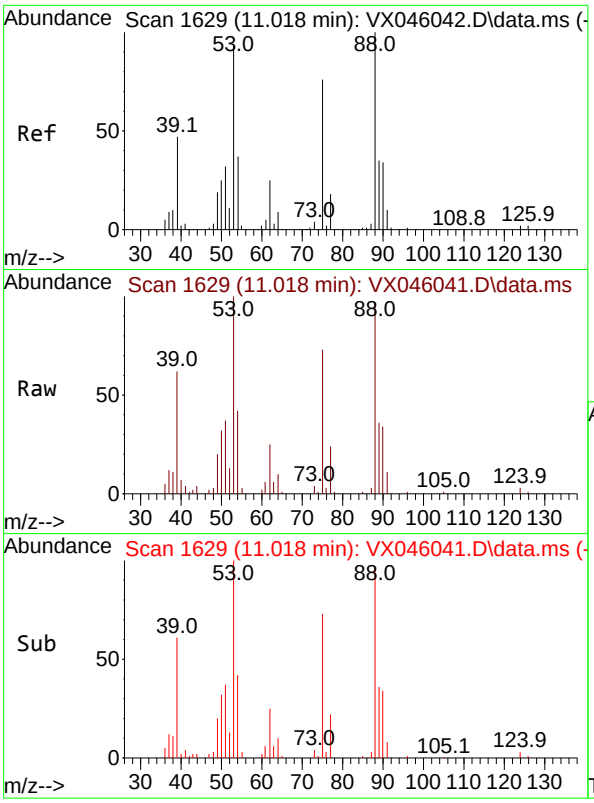


#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 810

Ion	Ratio	Lower	Upper
75	100		
53	138.3	100.5	150.7
89	44.6	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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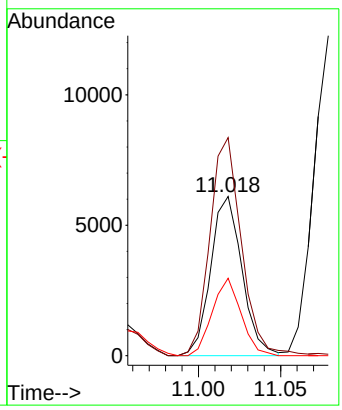
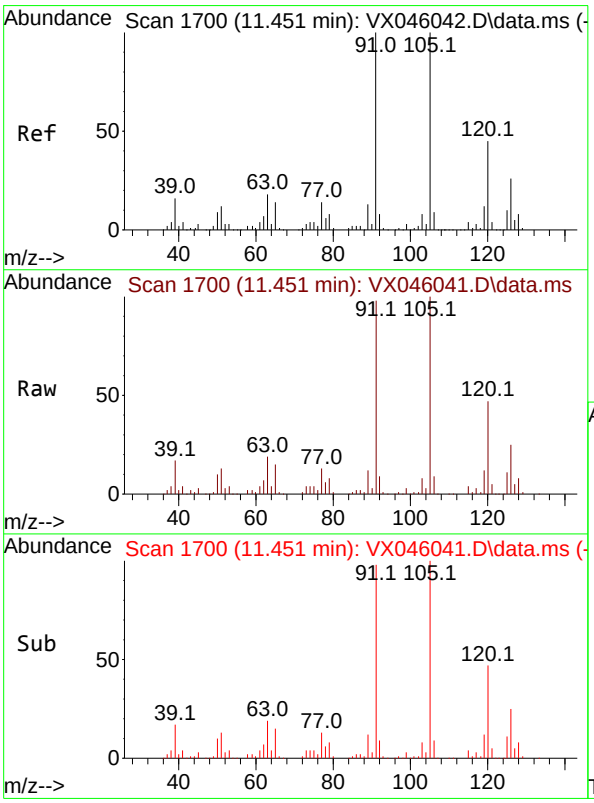
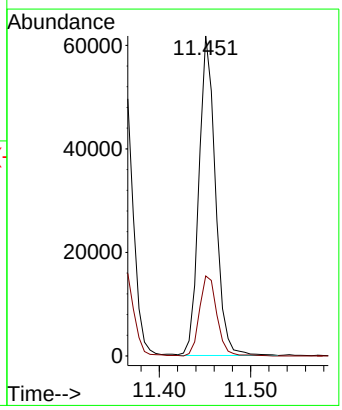


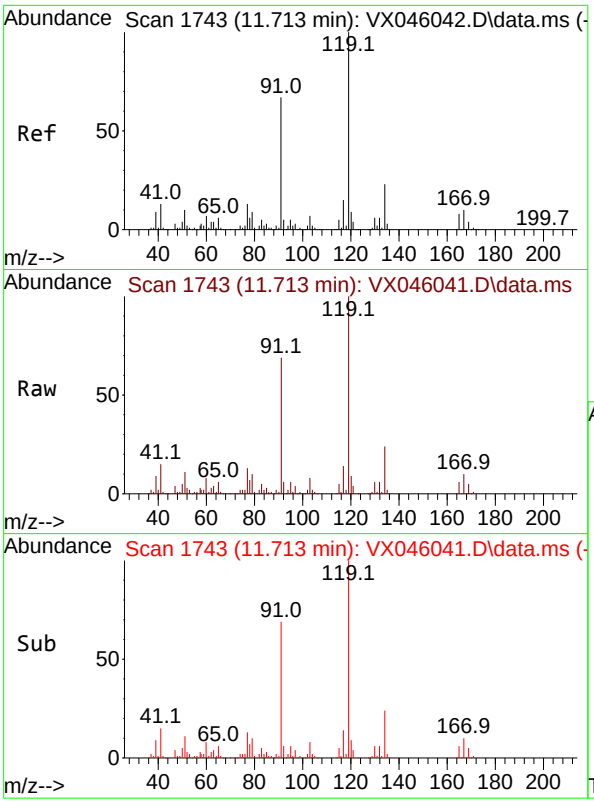


#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 77338

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8





#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 7538

Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.9	98.7
134	23.7	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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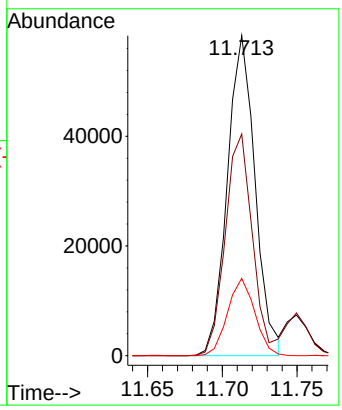
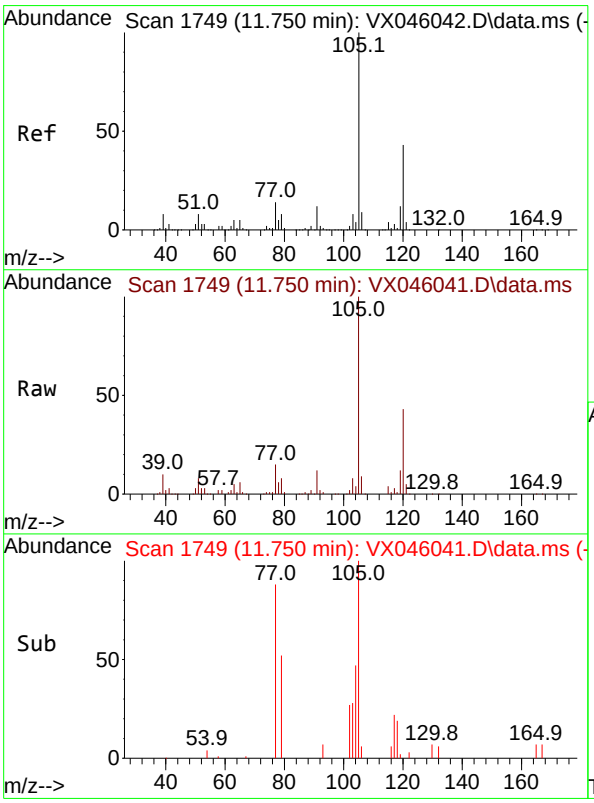
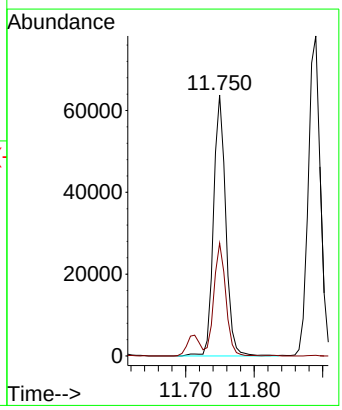


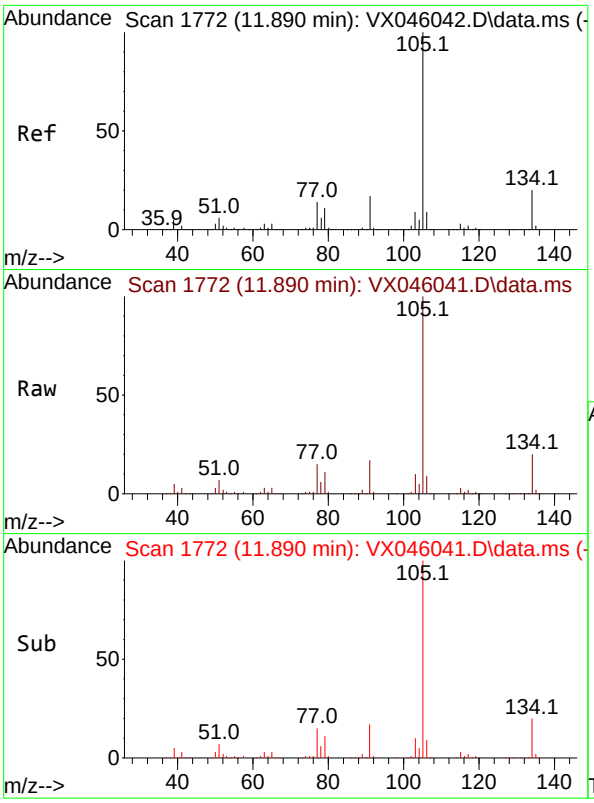


#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.2	63.6

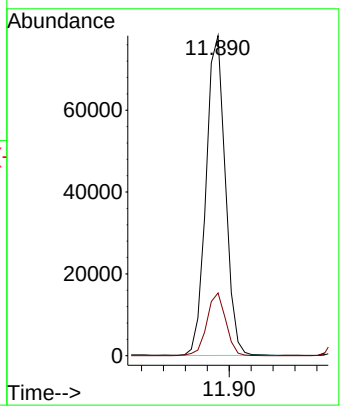




#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 9527

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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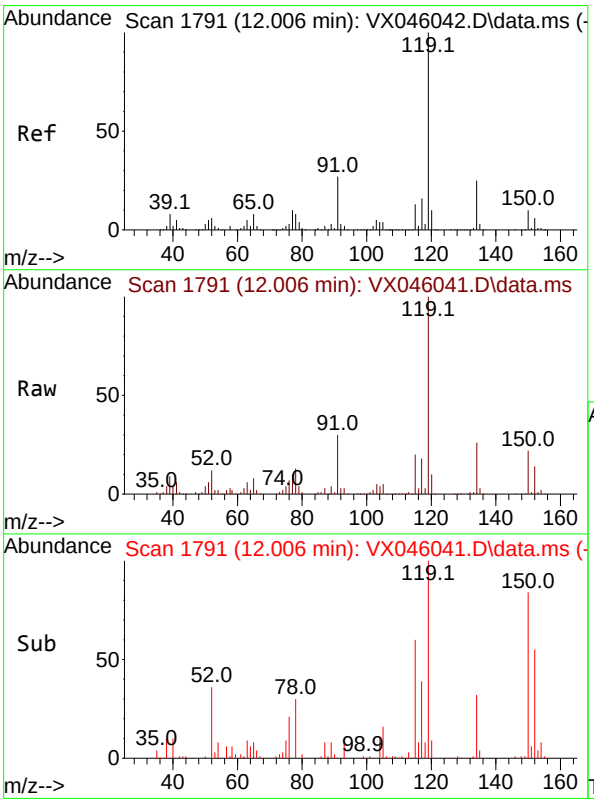
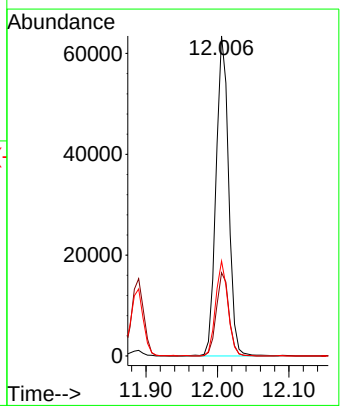
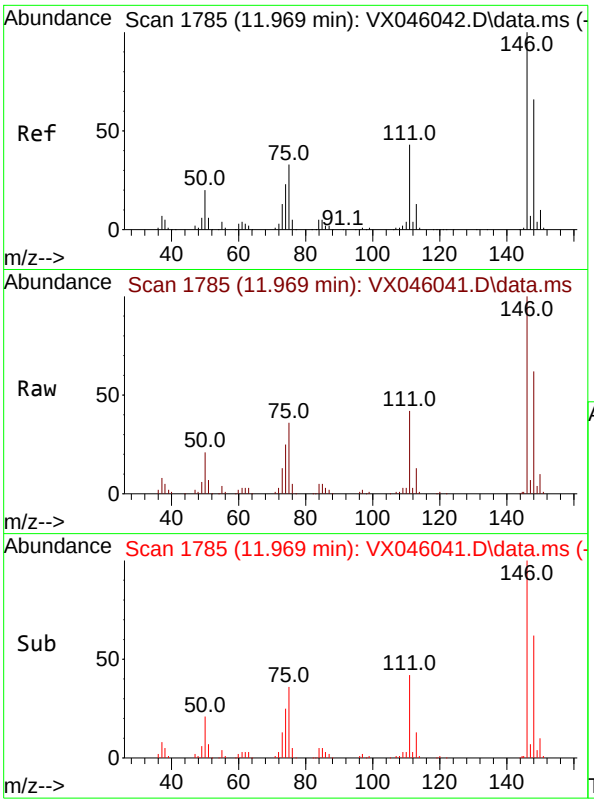


#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 77599

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.5	37.5
91	28.8	13.8	41.4

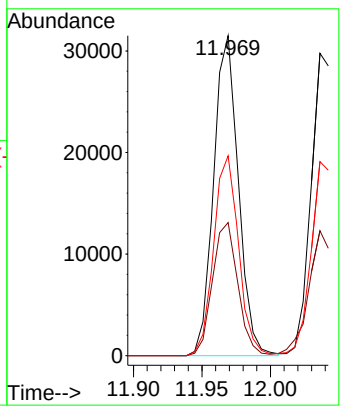




#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3952

Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.1	66.3
148	62.9	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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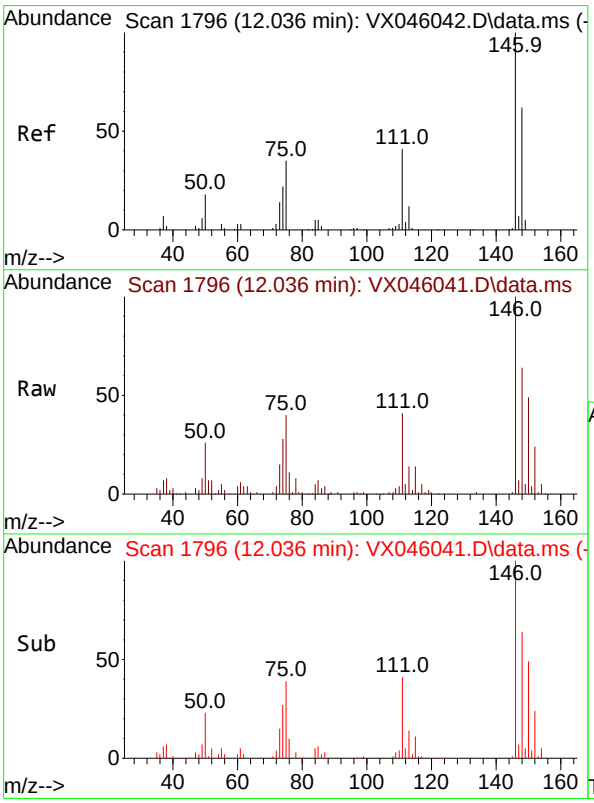
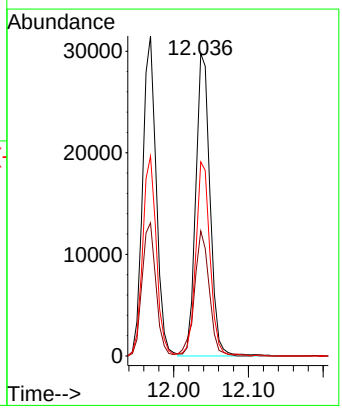
Supervised By :Mahesh Dadoda 05/06/2025

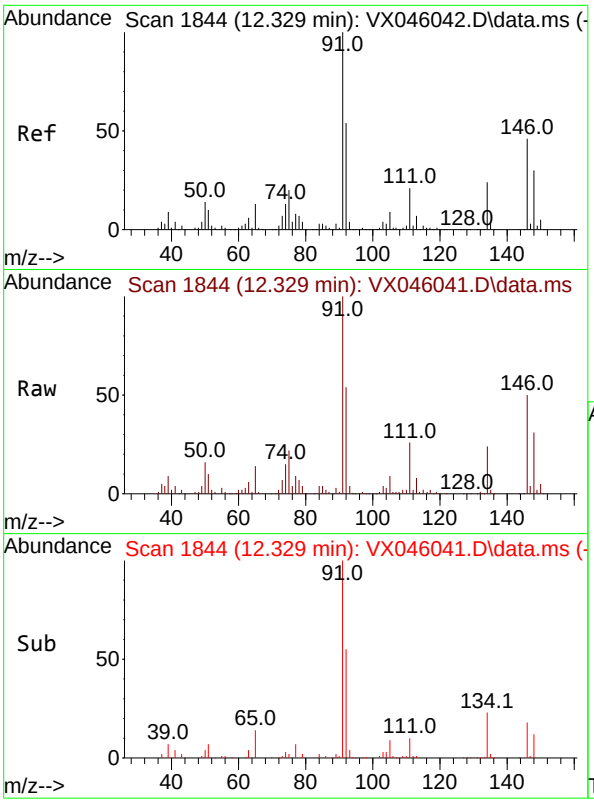


#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 39419

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.2	31.9	95.5

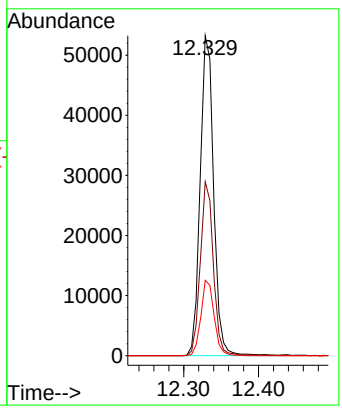




#89
n-Butylbenzene
Concen: 14.184 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 6650

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	23.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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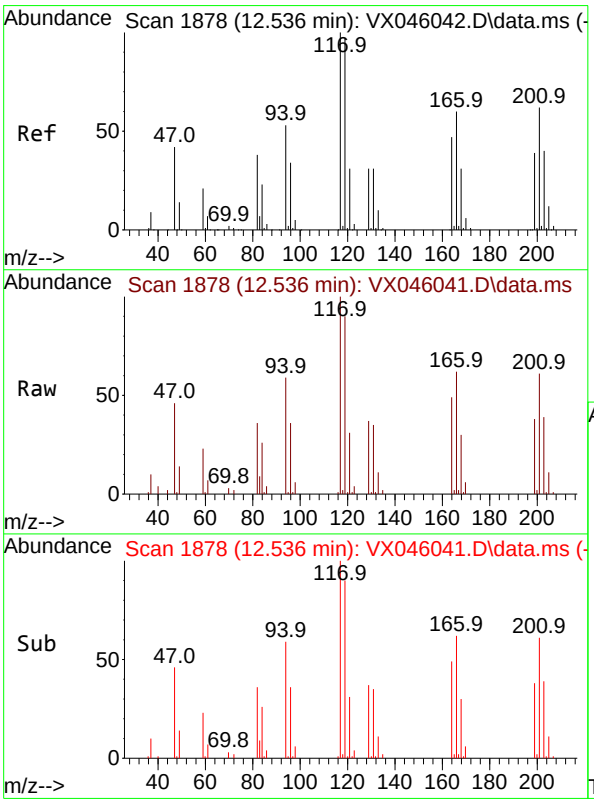
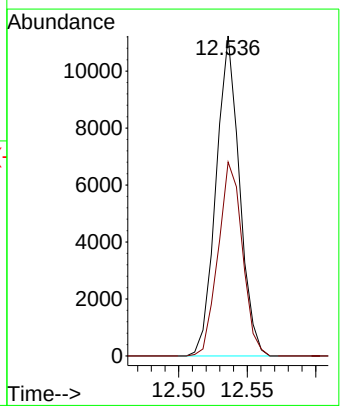
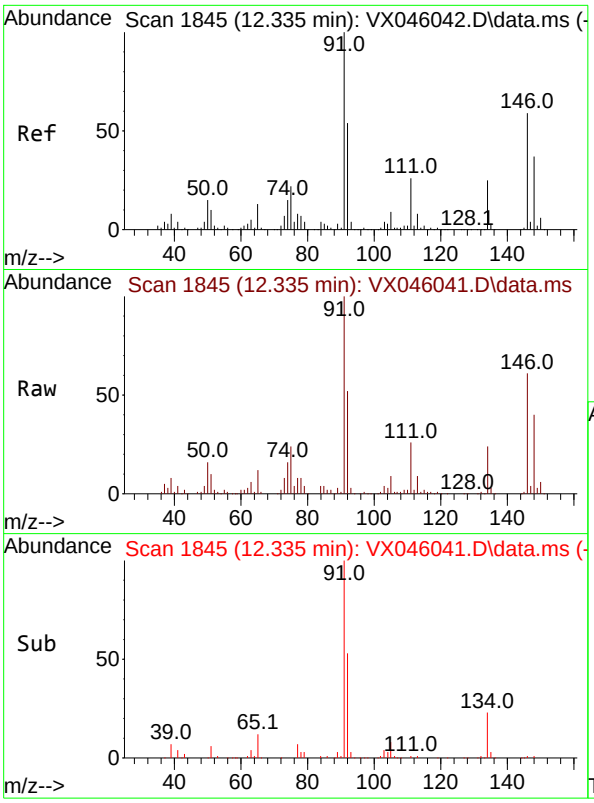


#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

Ion	Ratio	Lower	Upper
117	100		
201	62.9	31.6	94.7

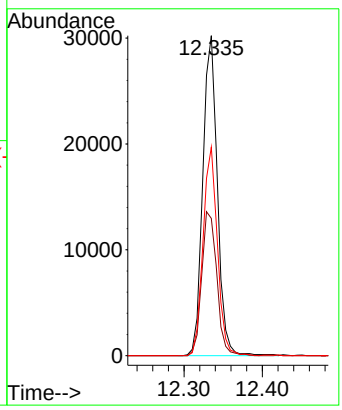




#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3903

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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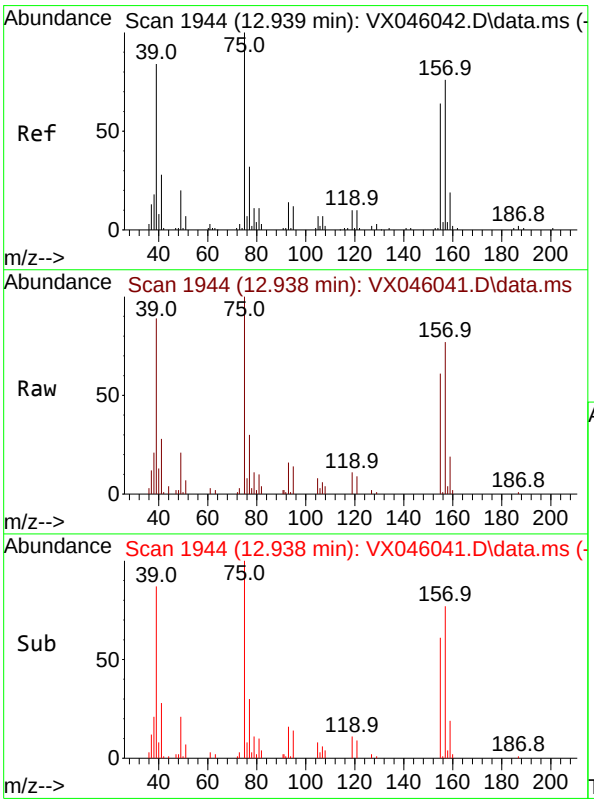
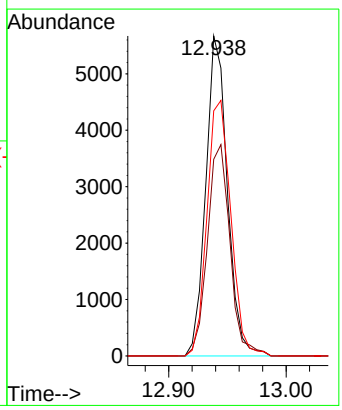
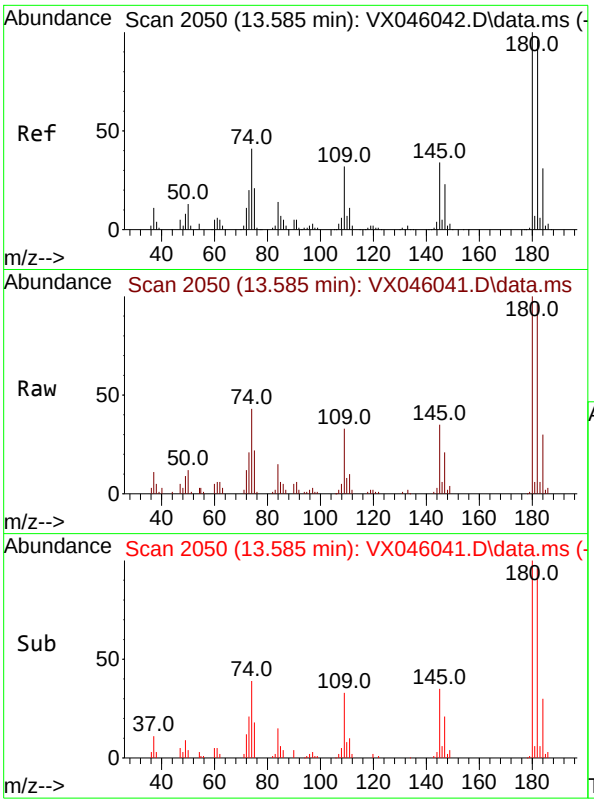


#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 7232

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	88.4	43.8	131.4

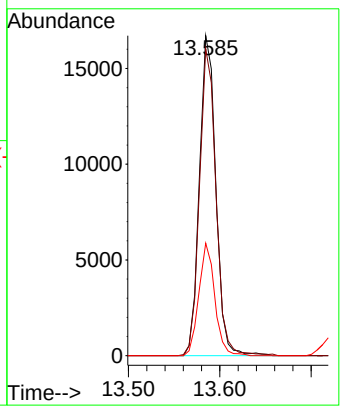




#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 2084

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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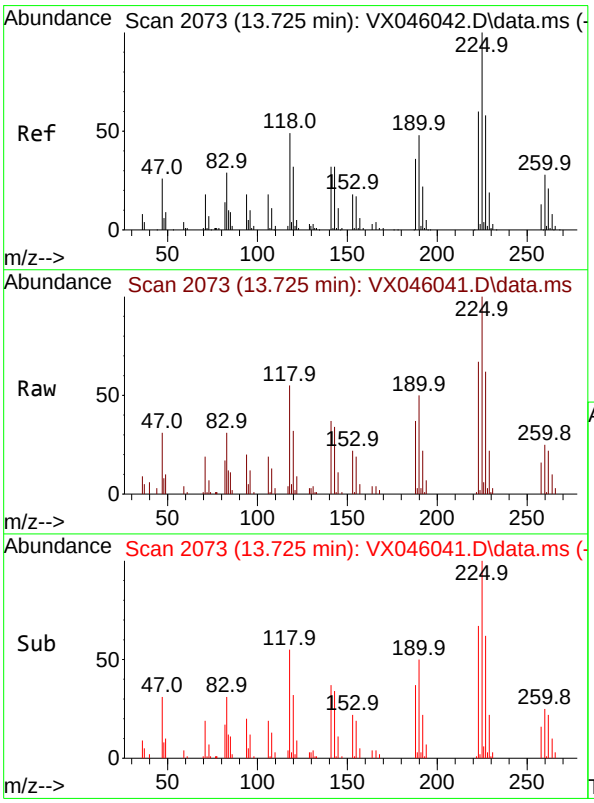
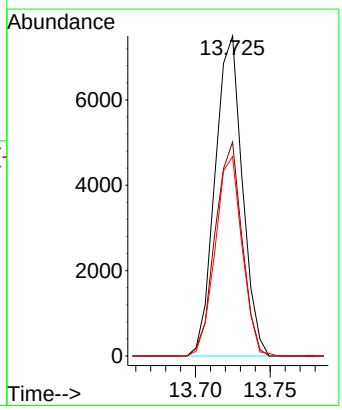
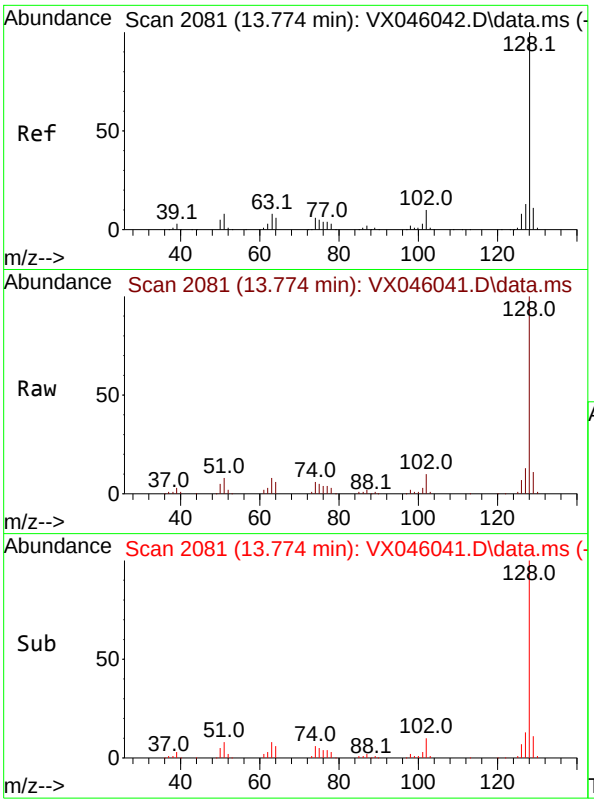


#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:225 Resp: 9524

Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.8	92.4
227	61.4	30.9	92.7





#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

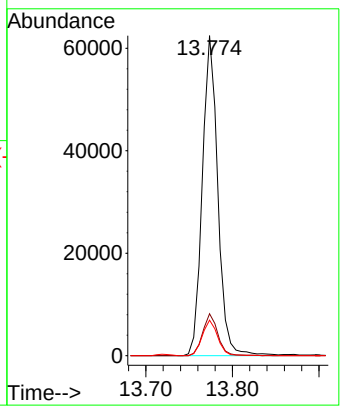
Tgt Ion:128 Resp: 7754

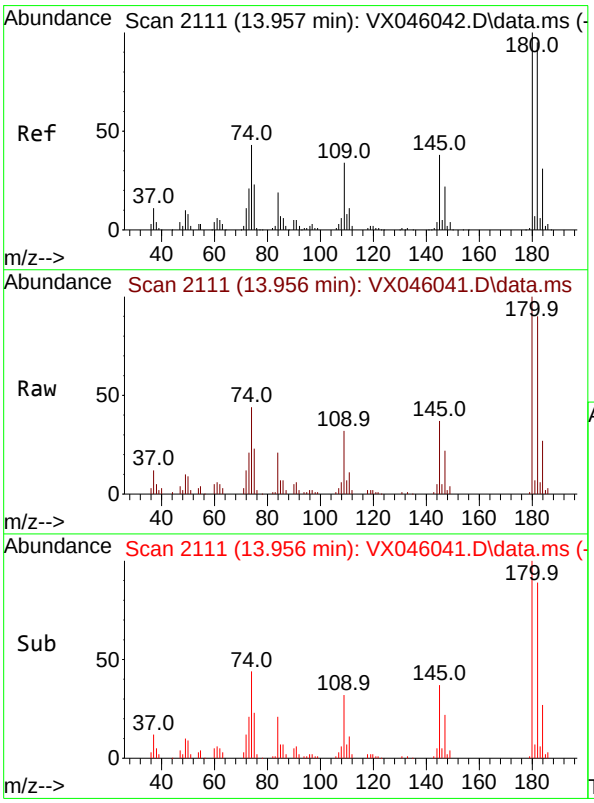
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

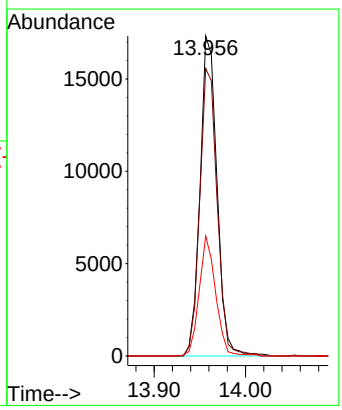




#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 22301

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.8	143.3
145	36.5	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 61.200%#			
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 63.260%#			
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 64.780%#			
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 68.460%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l		100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l		100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l		100
44) Trichloroethene	7.123	130	59623	37.230	ug/l		100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l		100
46) Dibromomethane	7.574	93	48201	36.326	ug/l		100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l		100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l		100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l		100
52) Toluene	8.714	92	150757	37.530	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l		100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l		100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l		100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l		100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l		100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l		100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l		100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l		100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l		100
69) o-Xylene	10.640	106	106335	38.064	ug/l		100
70) Styrene	10.653	104	178313	39.888	ug/l		100
71) Bromoform	10.799	173	44486	39.457	ug/l	#	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l		100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l		
77) Bromobenzene	11.195	156	63053	36.763	ug/l		100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l		100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l		100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l		100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l		100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l		100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l		100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l		100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l		100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l		100
95) Naphthalene	13.774	128	245568	39.575	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

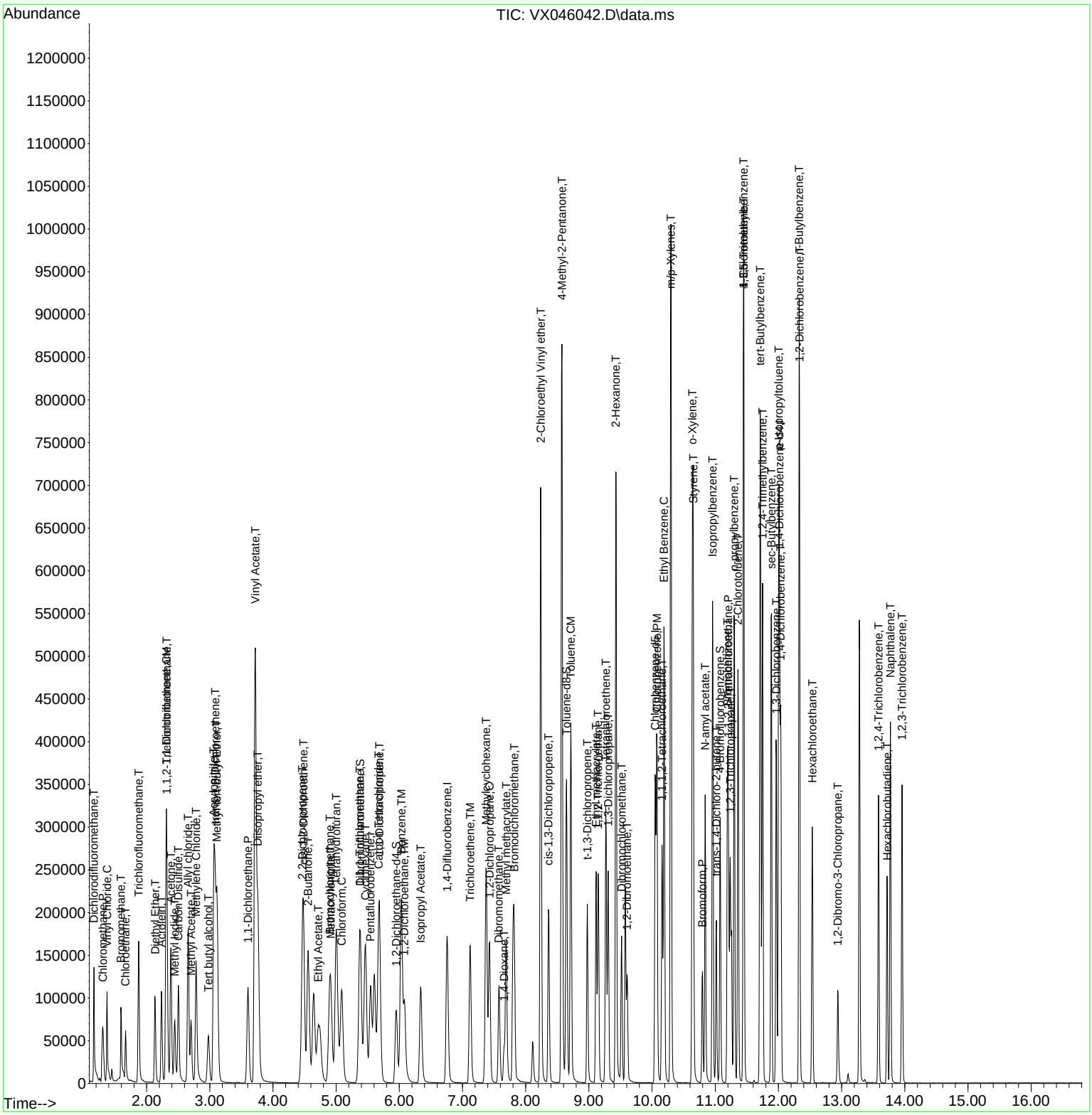
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

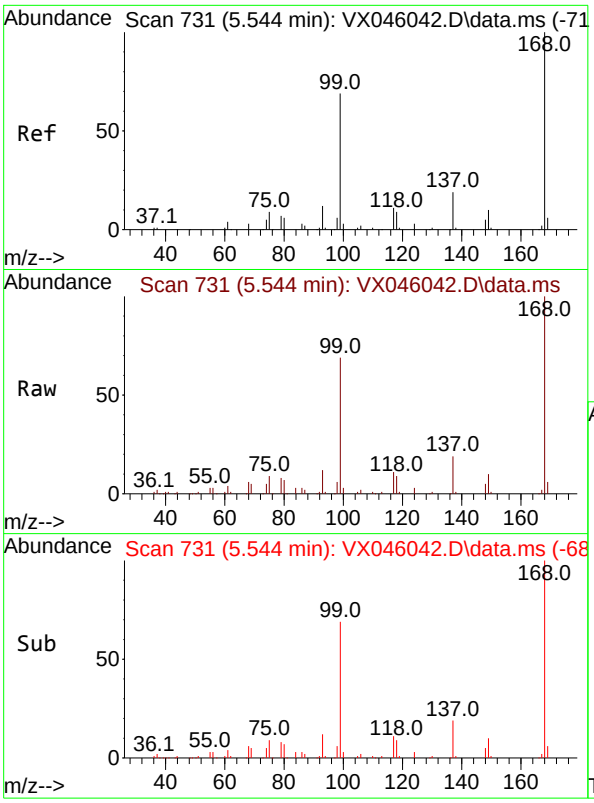
Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

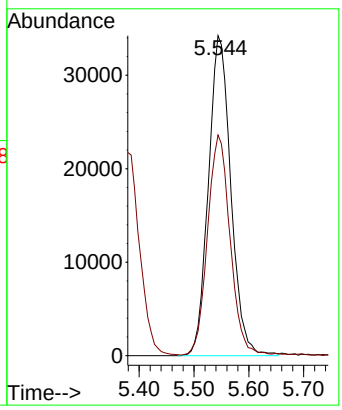




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:168 Resp: 9707

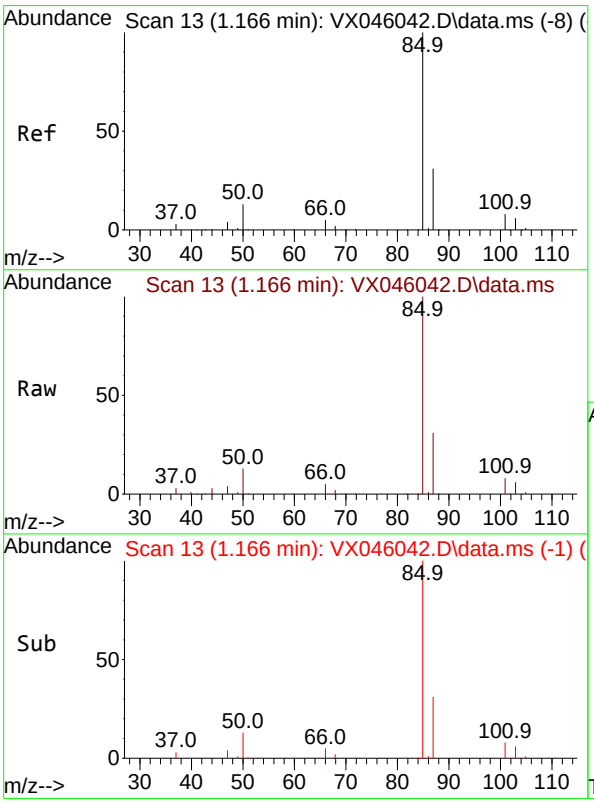
Ion	Ratio	Lower	Upper
168	100		
99	68.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

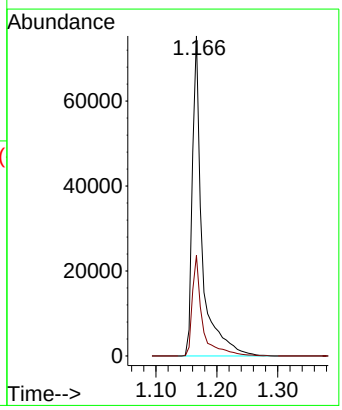
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

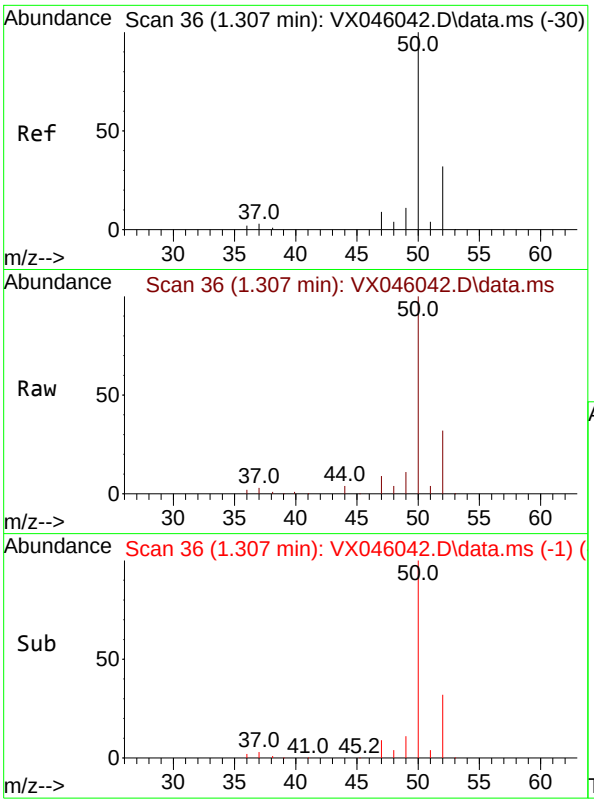


#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1

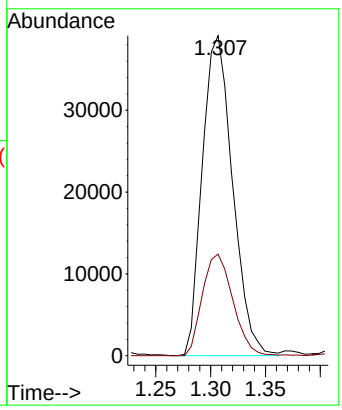




#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 50 Resp: 7523

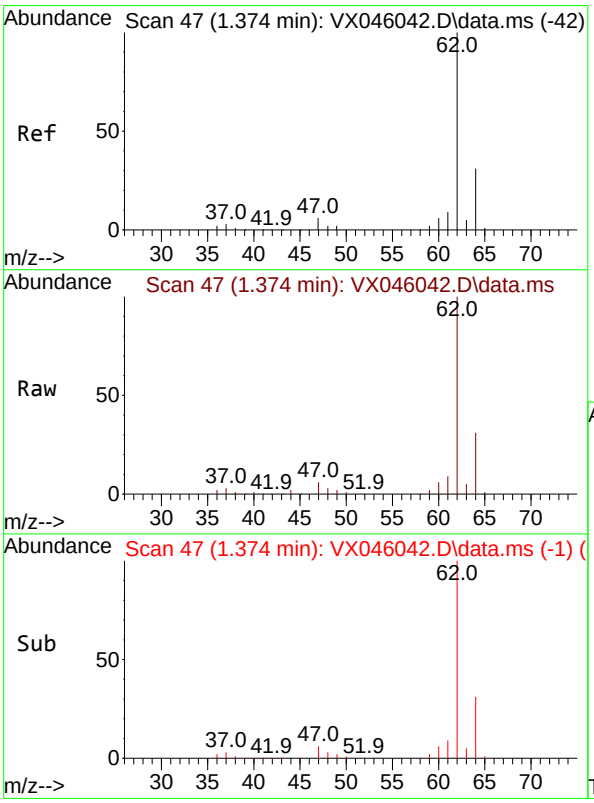
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

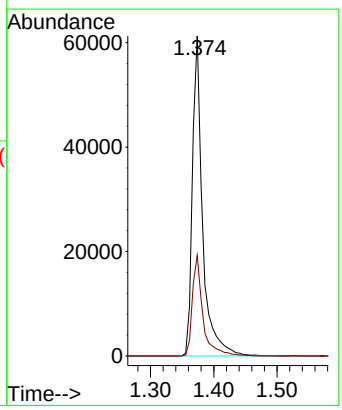
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

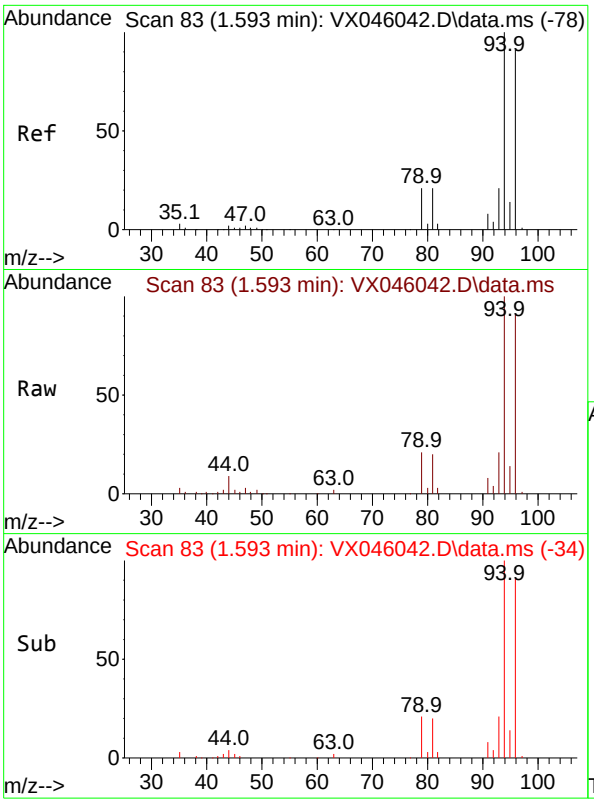


#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8

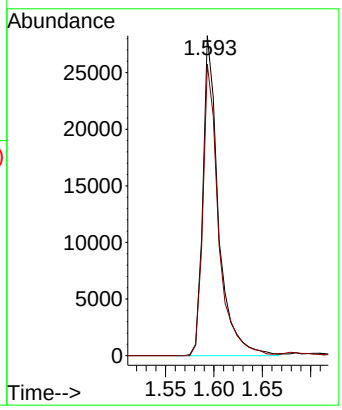




#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 94 Resp: 3164

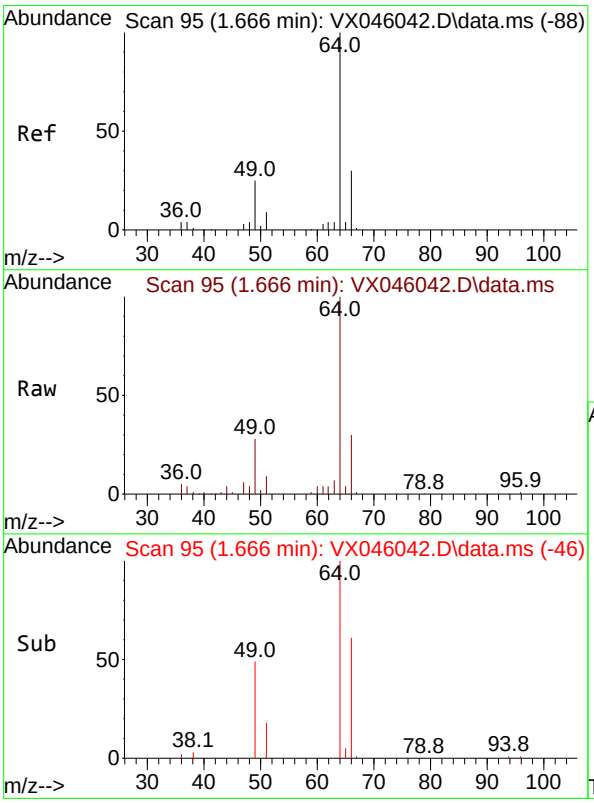
Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

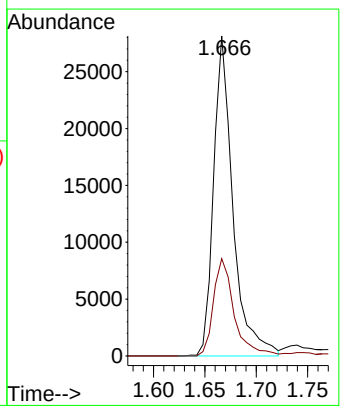
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

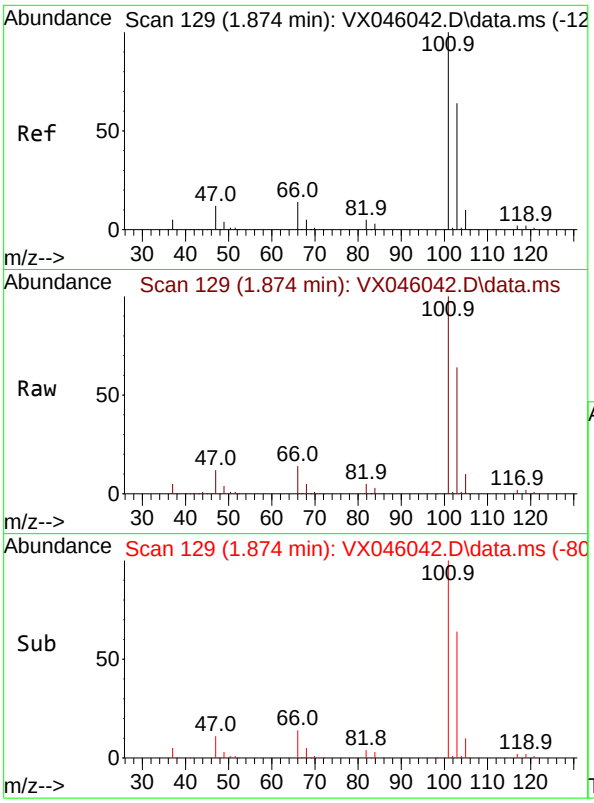


#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 64 Resp: 36722

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5

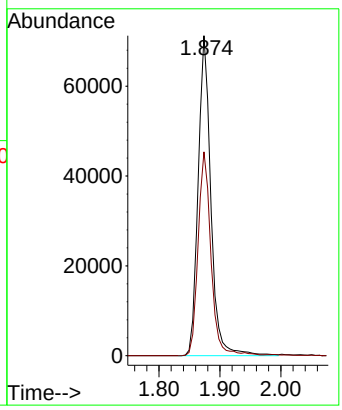




#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:101 Resp: 10369

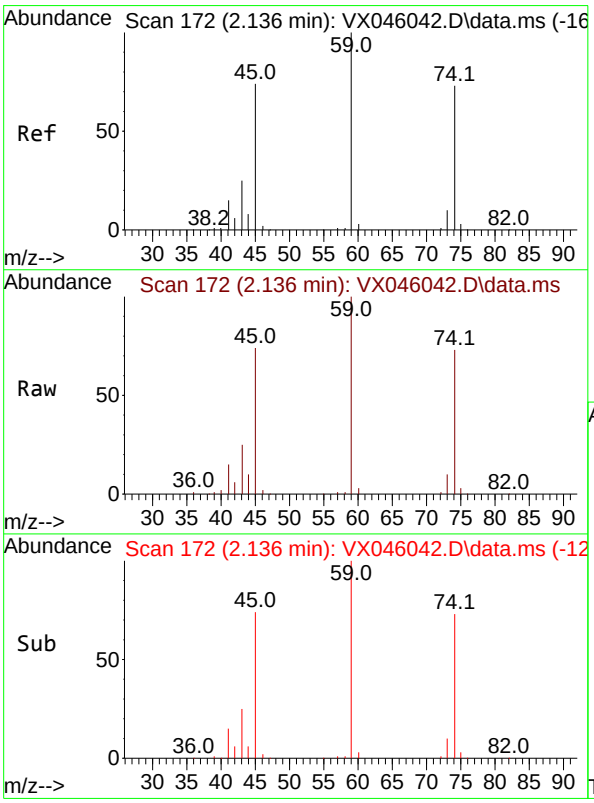
Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

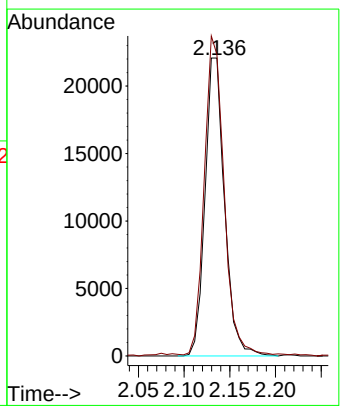
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

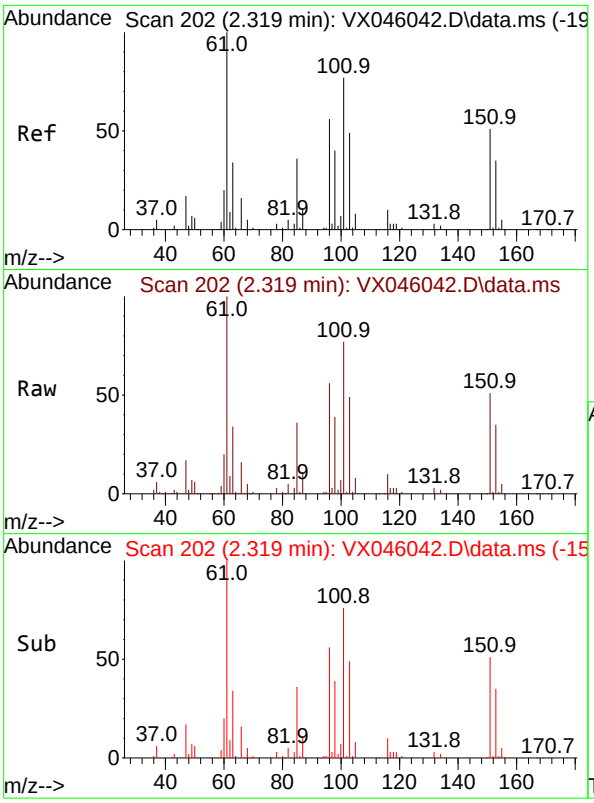


#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724

Ion	Ratio	Lower	Upper
74	100		
45	109.9	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 36.997 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:101 Resp: 6225

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	69.0	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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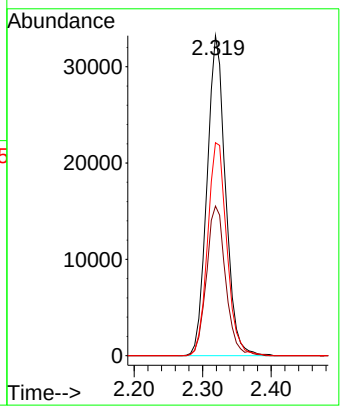
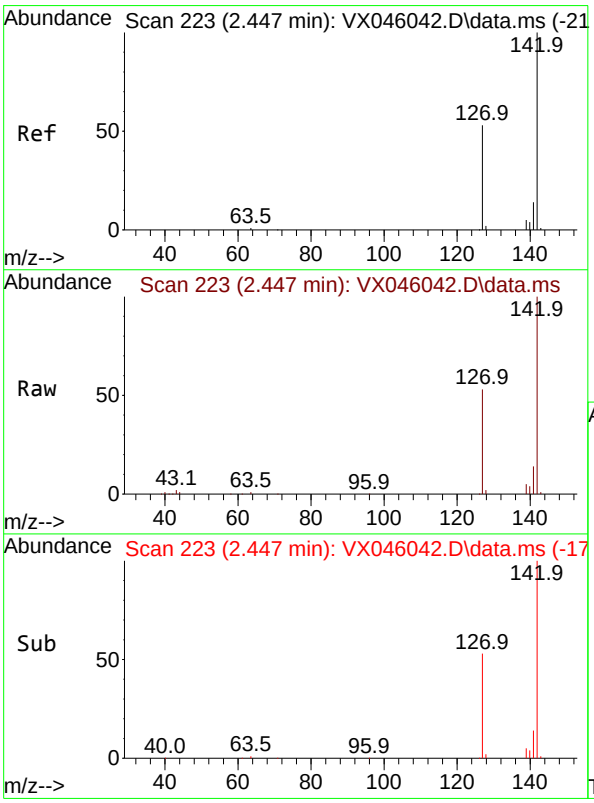
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

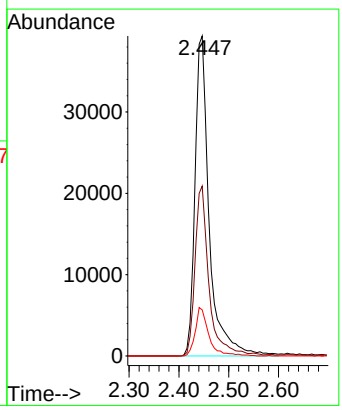


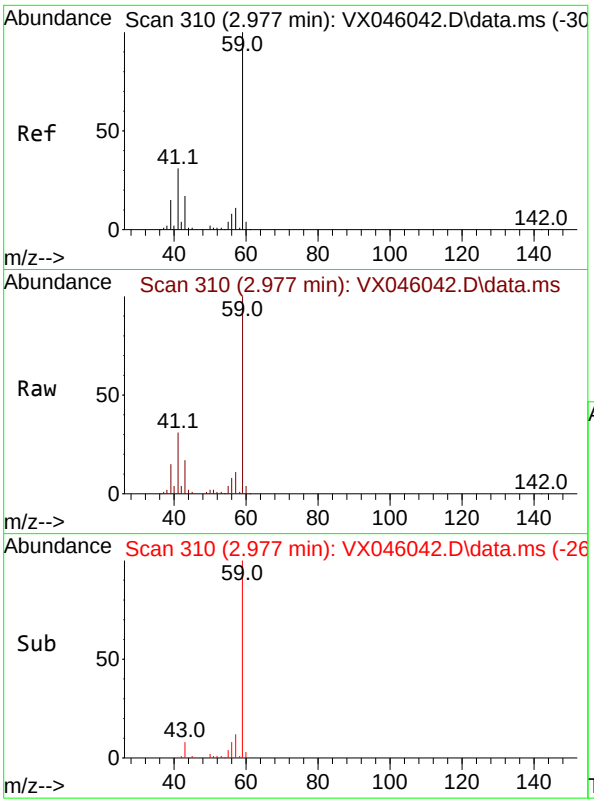


#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:142 Resp: 78277

Ion	Ratio	Lower	Upper
142	100		
127	52.1	41.7	62.5
141	14.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 59 Resp: 6255

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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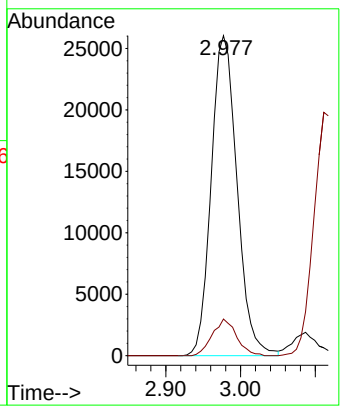
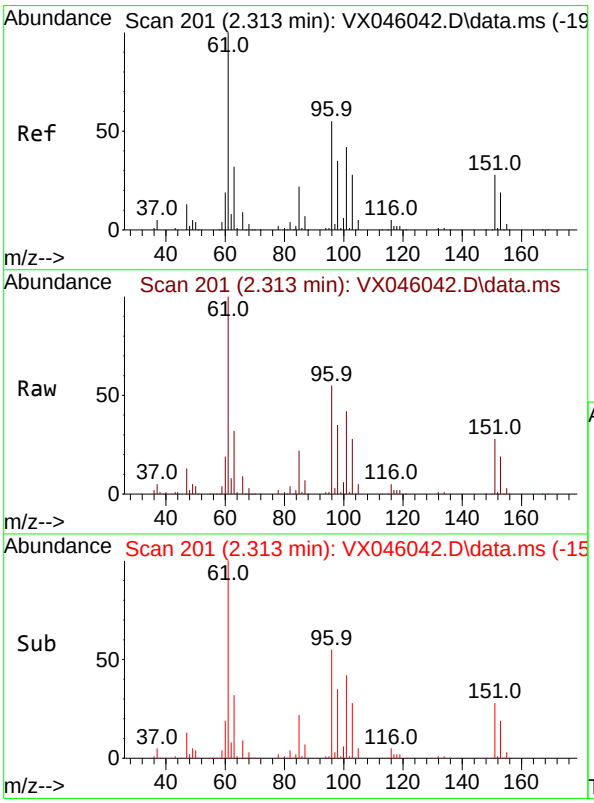
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

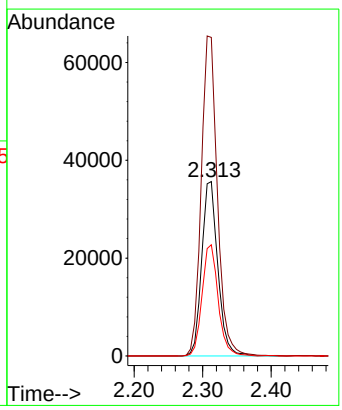


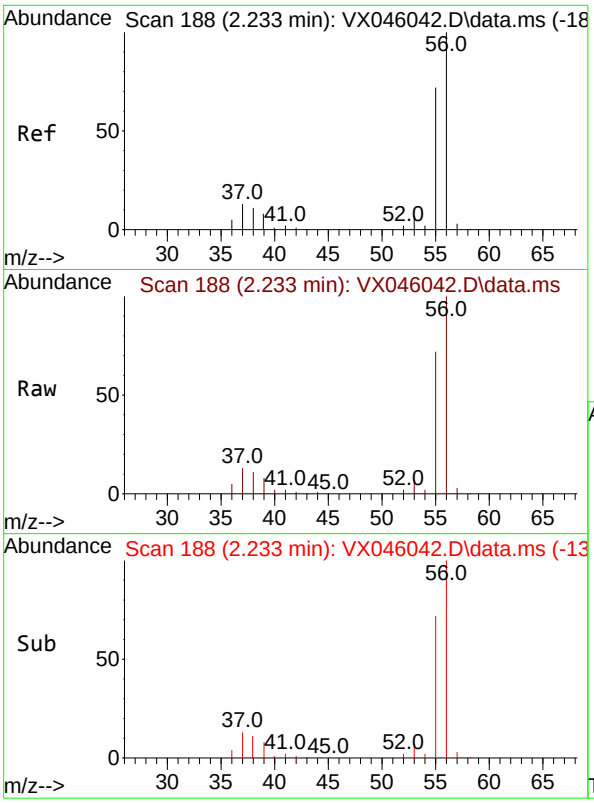


#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 58334

Ion	Ratio	Lower	Upper
96	100		
61	182.7	146.2	219.2
98	63.8	51.0	76.6

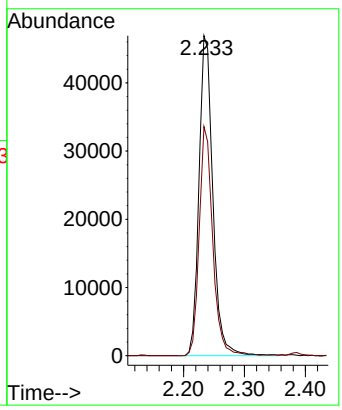




#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 7392

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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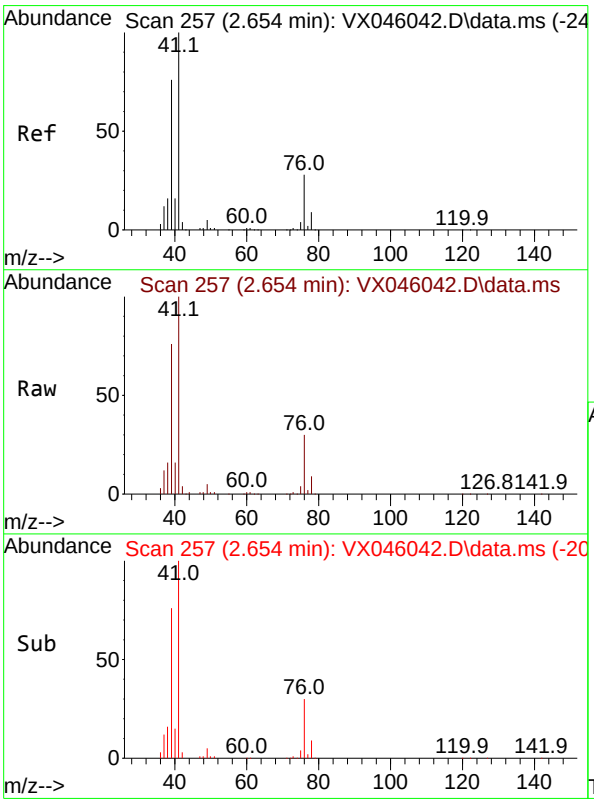
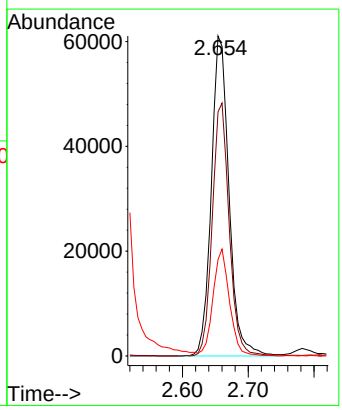
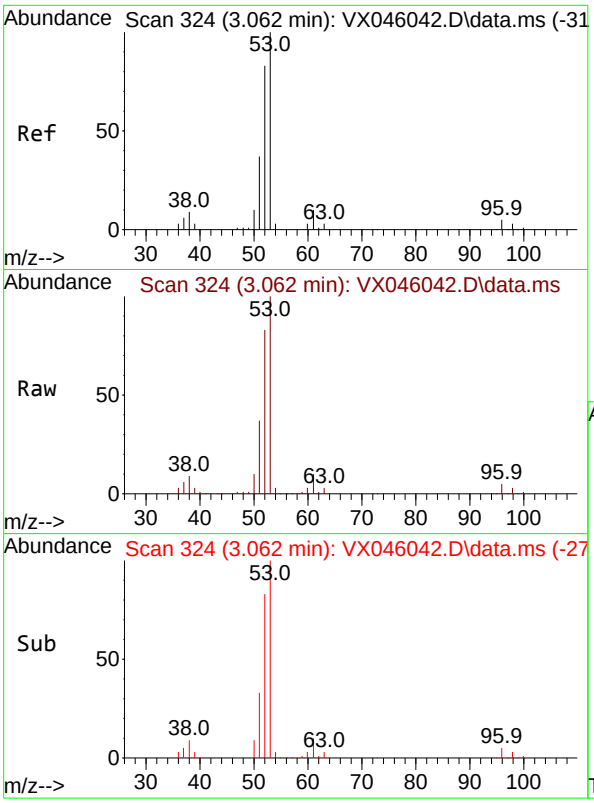


#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 114445

Ion	Ratio	Lower	Upper
41	100		
39	75.7	60.6	90.8
76	31.1	24.9	37.3

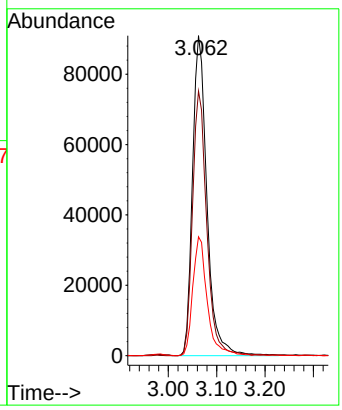




#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 53 Resp: 18830

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	37.3	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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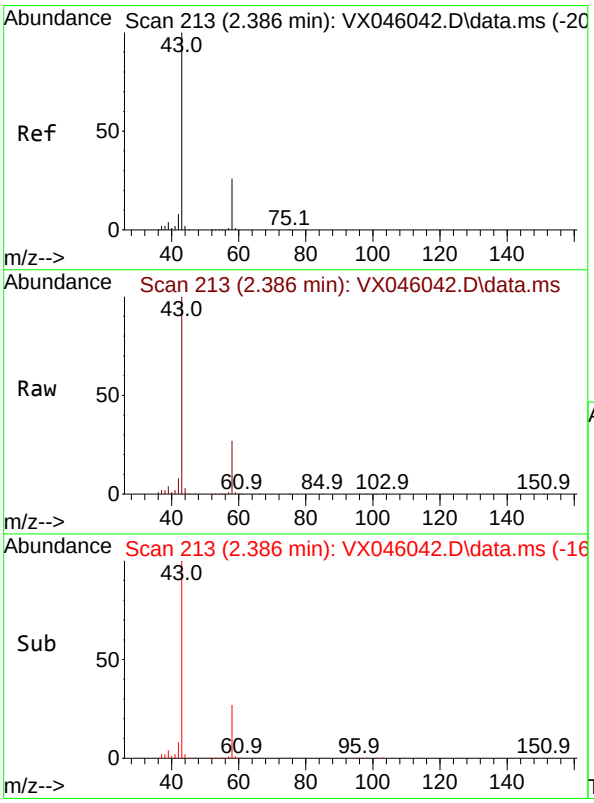
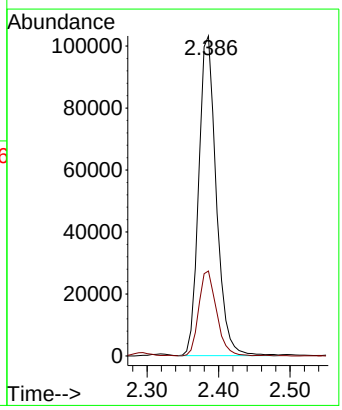
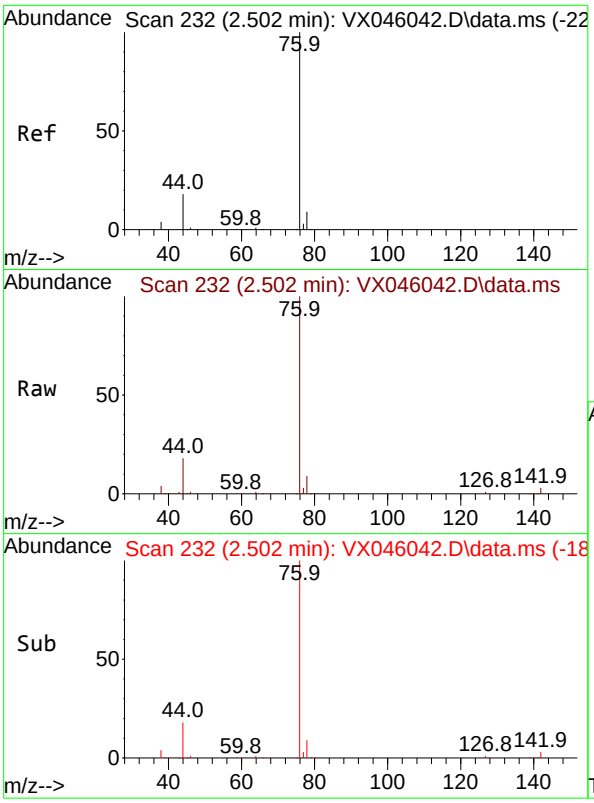


#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 175777

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17
Carbon Disulfide
Concen: 37.223 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 76 Resp: 14128

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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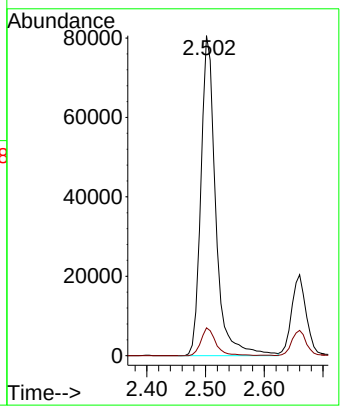
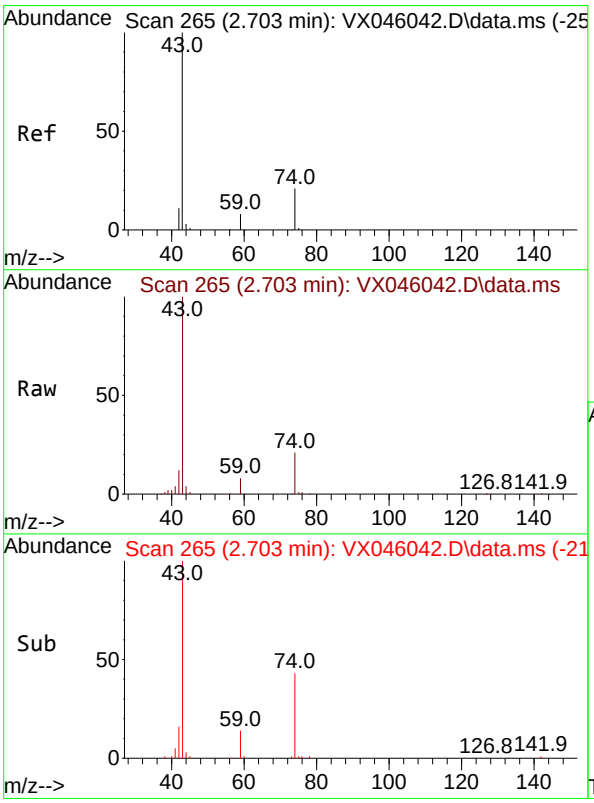
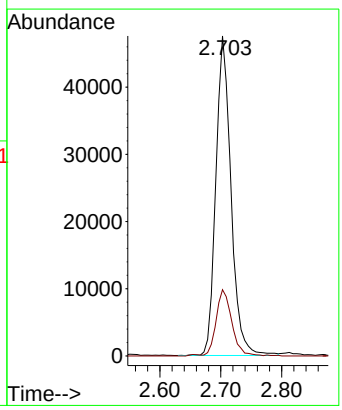


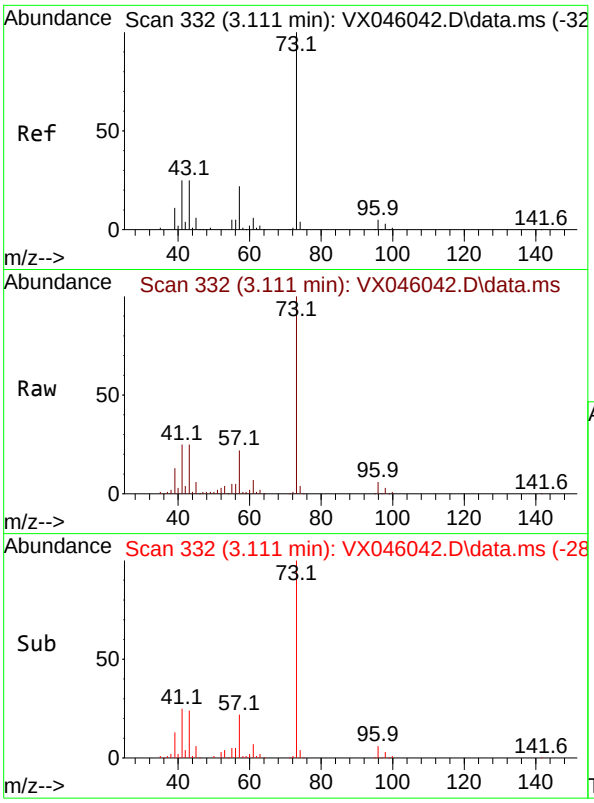


#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

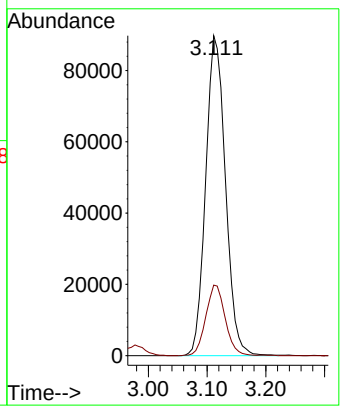




#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 73 Resp: 20966

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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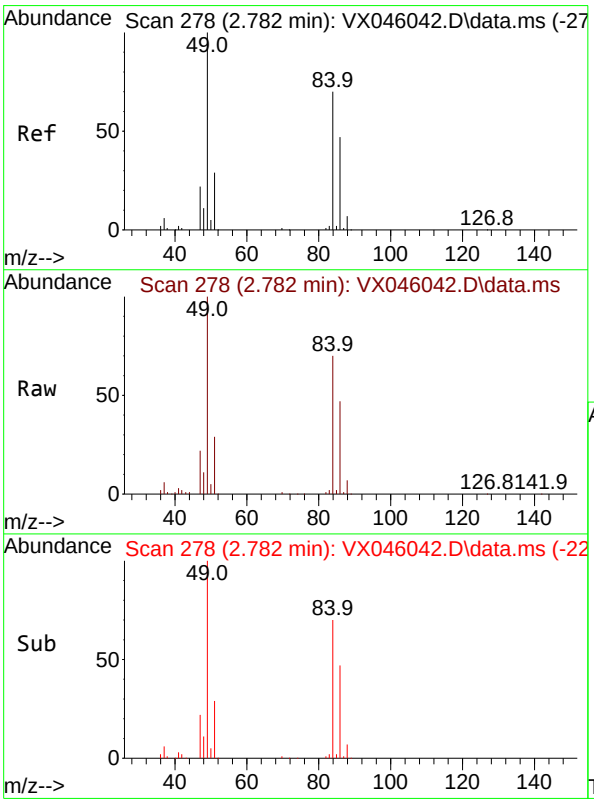
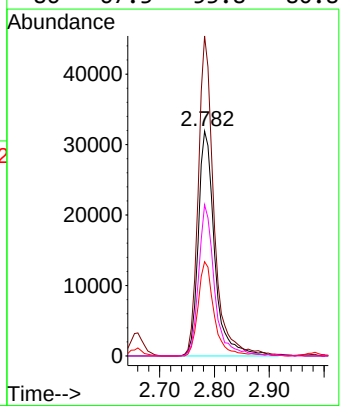
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

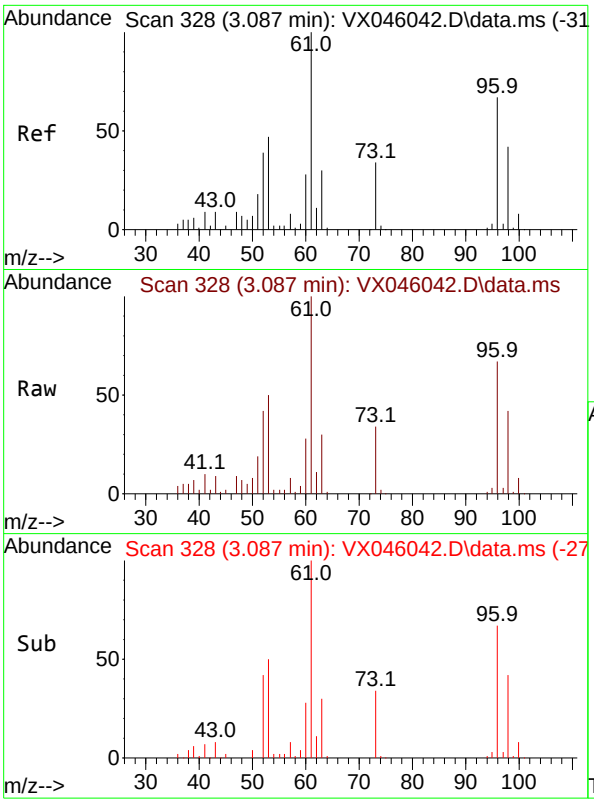


#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 84 Resp: 66412

Ion	Ratio	Lower	Upper
84	100		
49	142.4	113.9	170.9
51	41.9	33.5	50.3
86	67.3	53.8	80.8

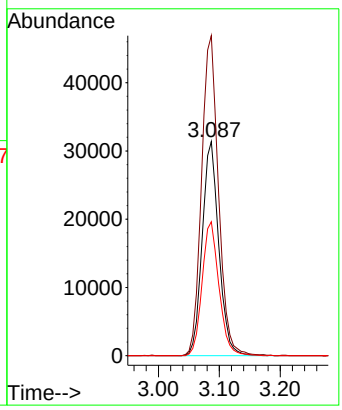




#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 5923

Ion	Ratio	Lower	Upper
96	100		
61	149.4	119.5	179.3
98	62.5	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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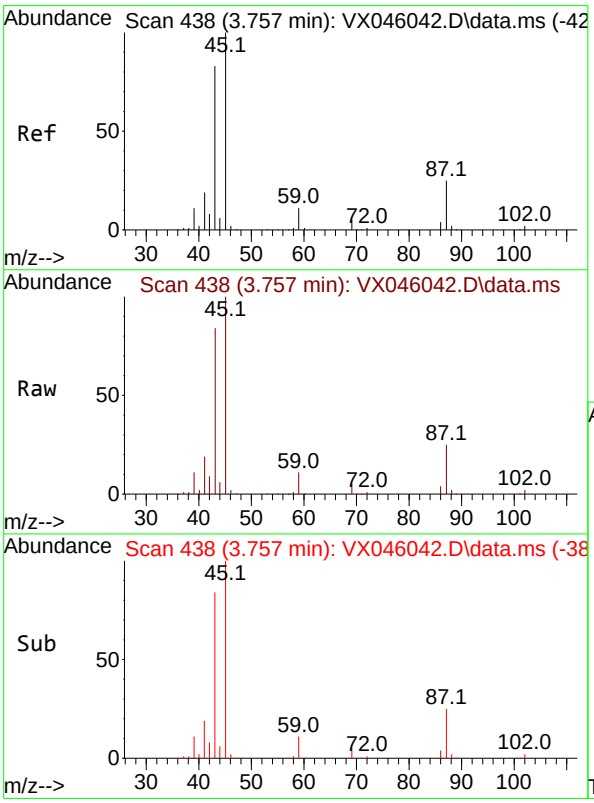
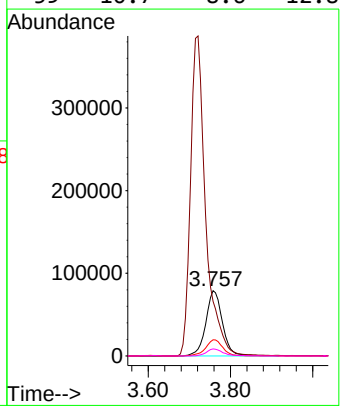
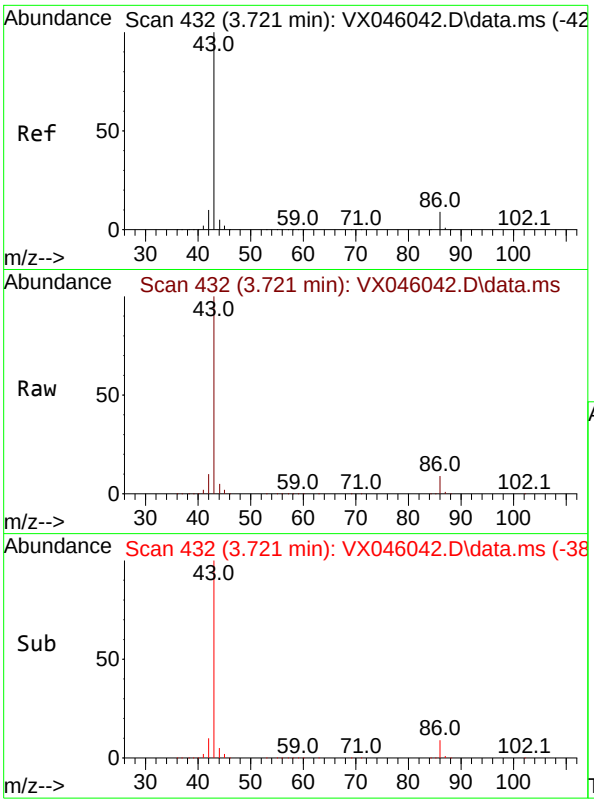


#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 45 Resp: 221172

Ion	Ratio	Lower	Upper
45	100		
43	83.3	66.6	100.0
87	24.7	19.8	29.6
59	10.7	8.6	12.8





#23
Vinyl Acetate
Concen: 194.528 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 99423

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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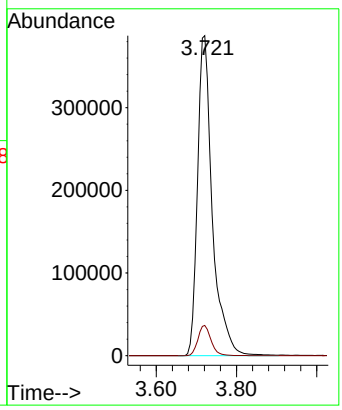
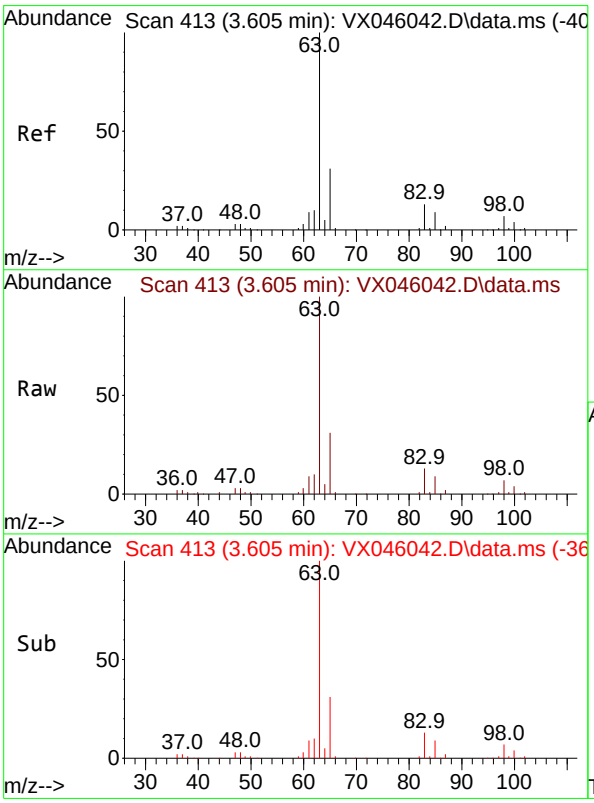
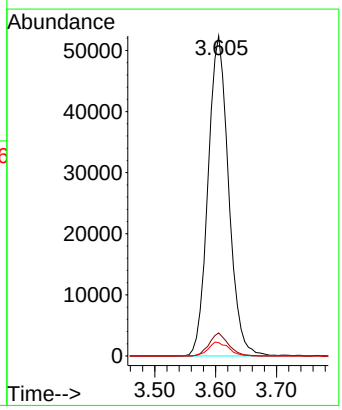


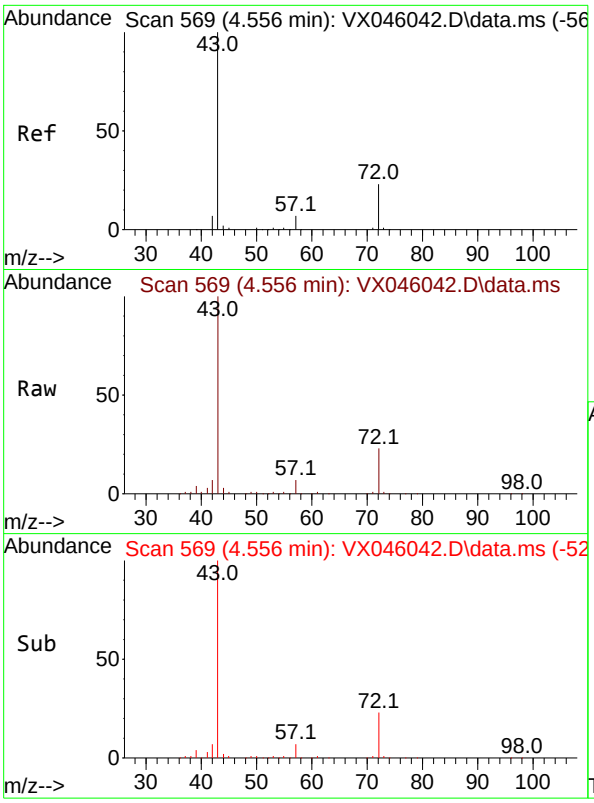


#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 122601

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.2	2.1	6.3





#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 26922

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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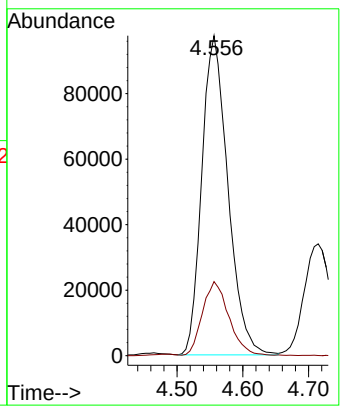
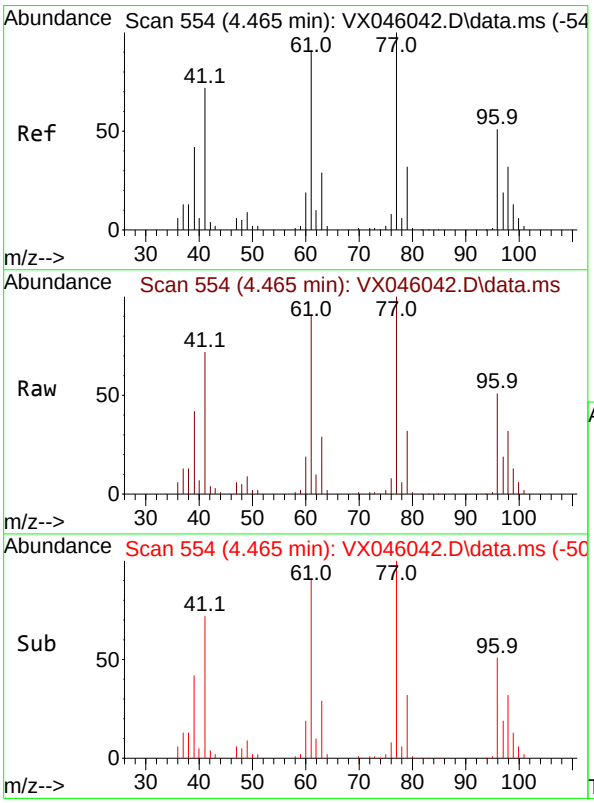
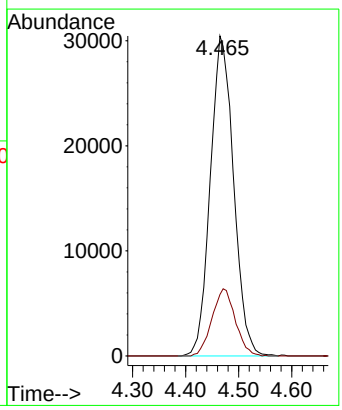


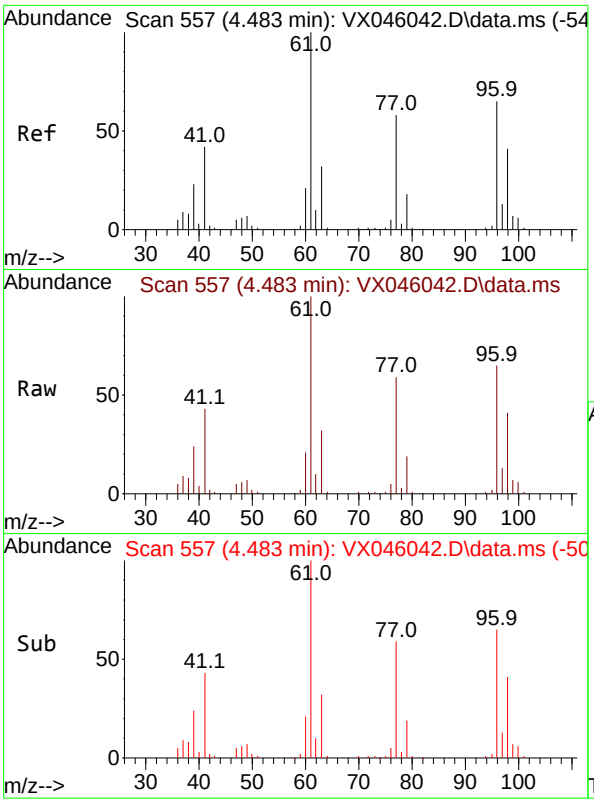


#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 77 Resp: 92857

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 35.466 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

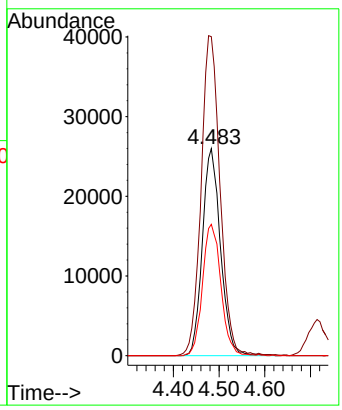
Tgt Ion: 96 Resp: 7151

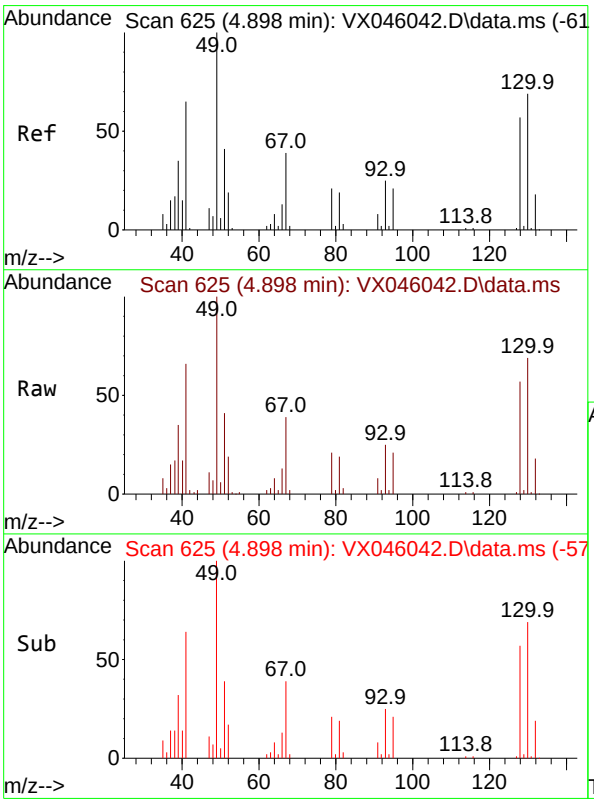
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	322.8
98	64.5	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

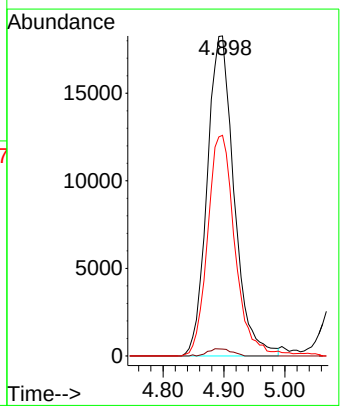


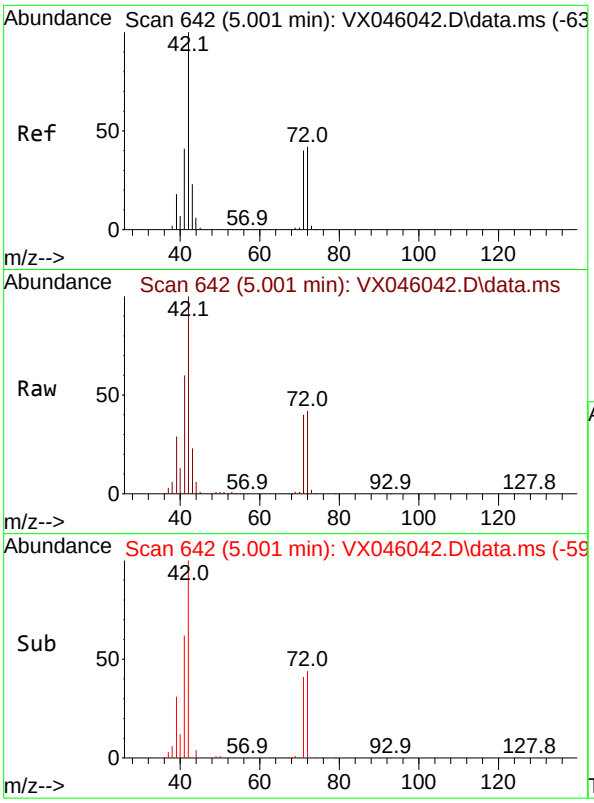


#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 49 Resp: 56091

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.2	56.2	84.2





#29
Tetrahydrofuran
Concen: 183.679 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 42 Resp: 17012

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.3	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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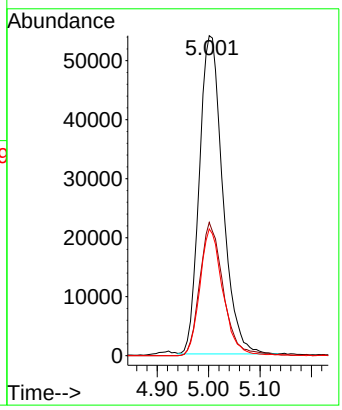
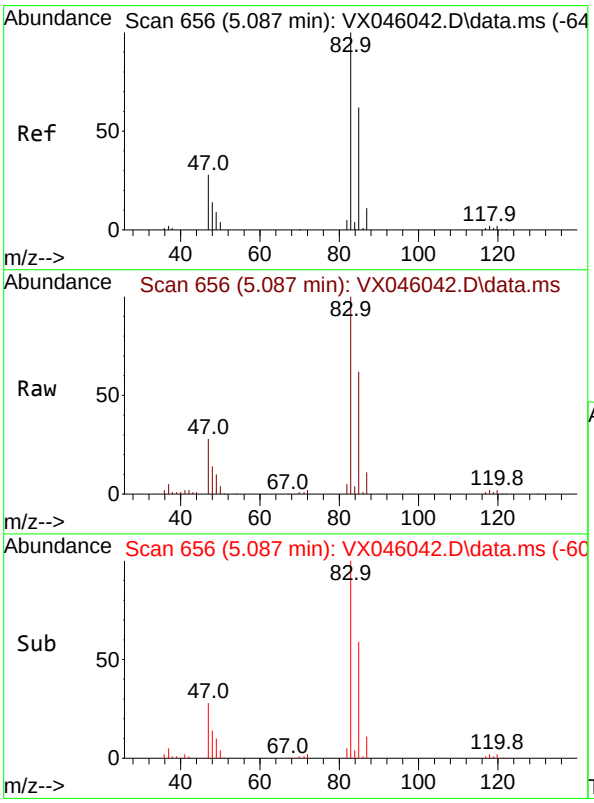
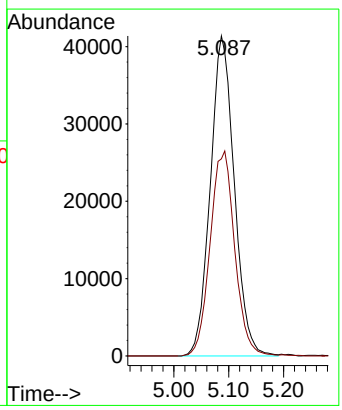


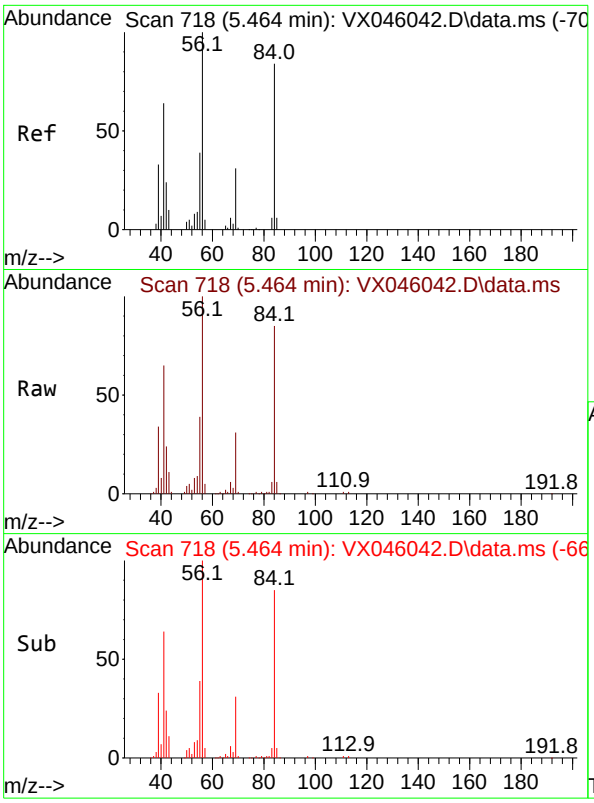


#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.3	73.9

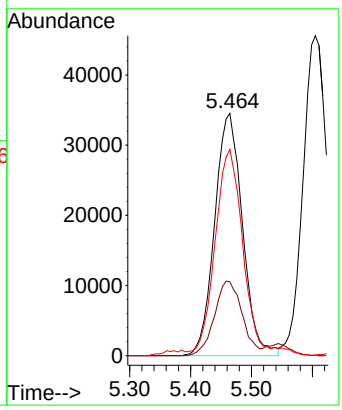




#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 10945

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	83.6	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 05/06/2025
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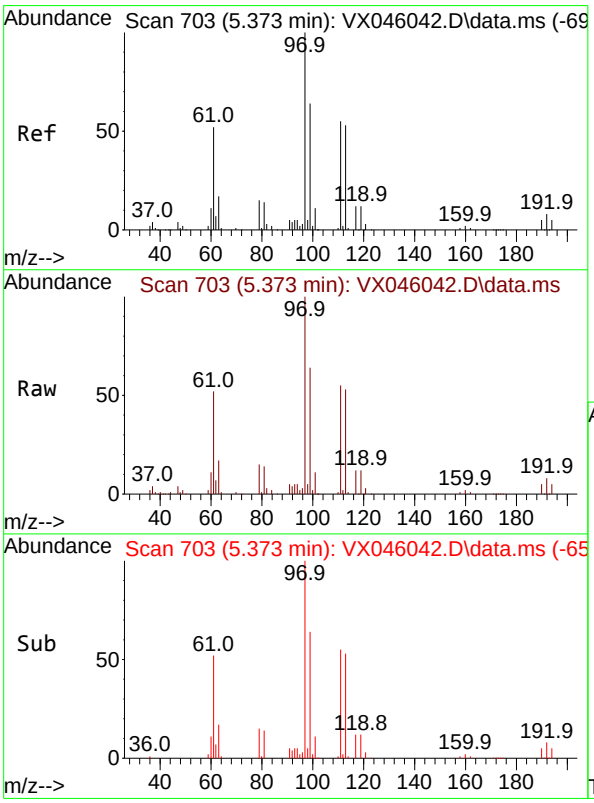
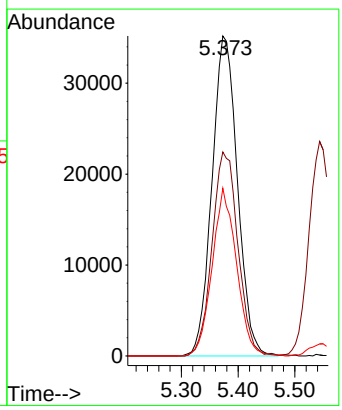
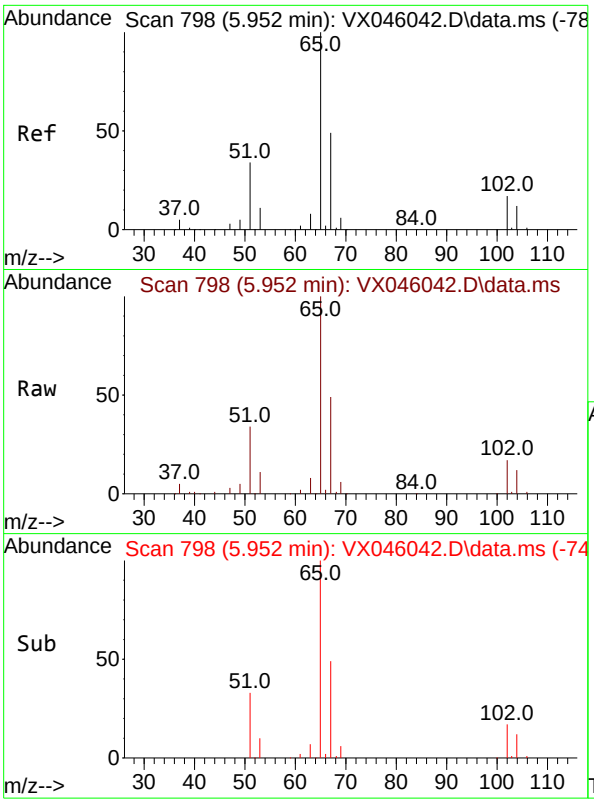


#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 109781

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	50.1	40.1	60.1

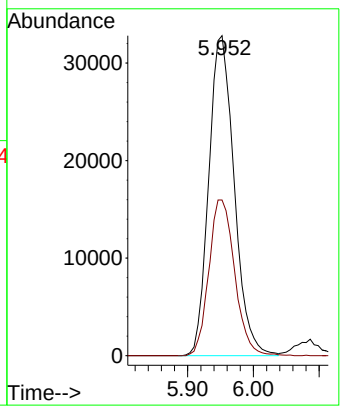




#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 65 Resp: 8837

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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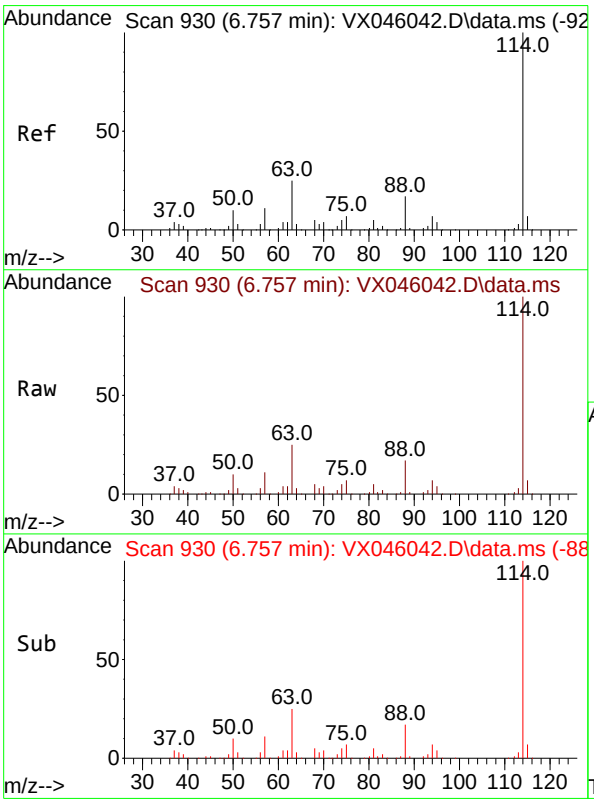
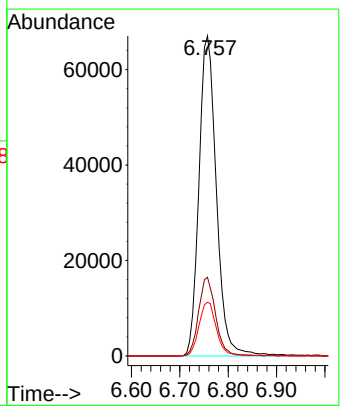
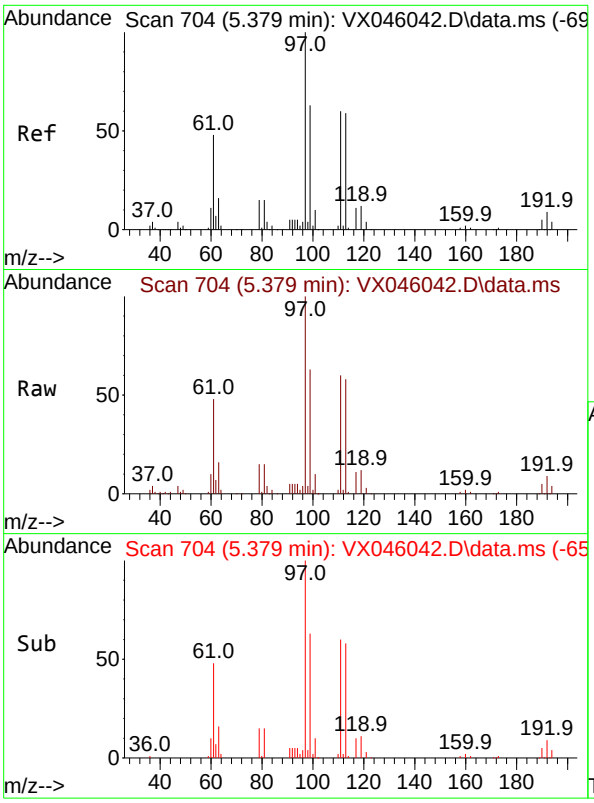


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:114 Resp: 167947

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.8	0.0	33.6

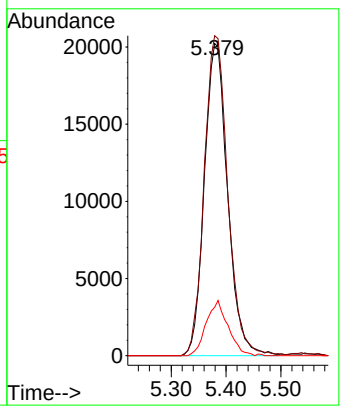




#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:113 Resp: 5955

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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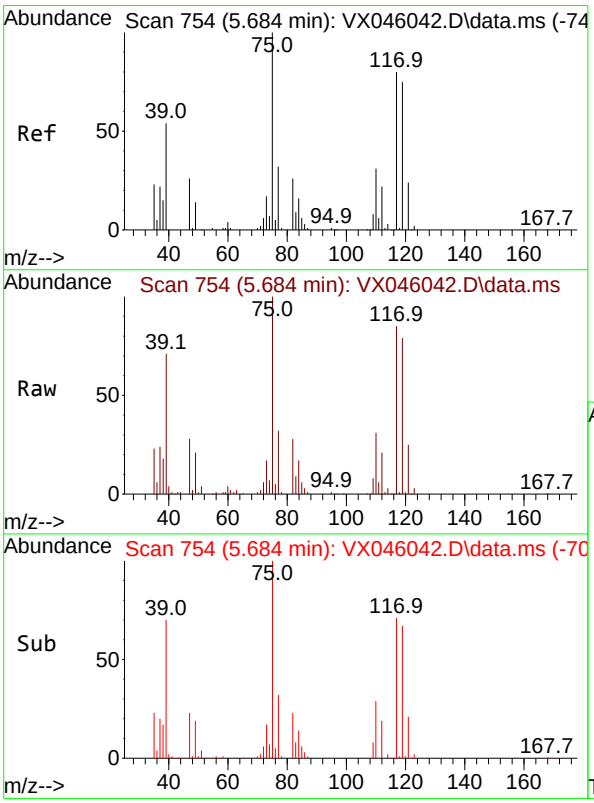
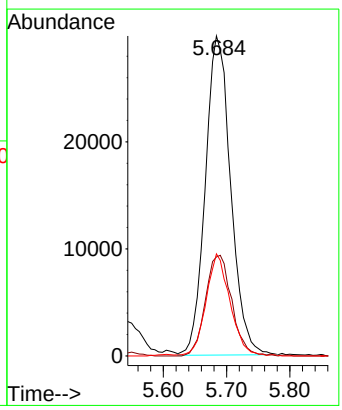
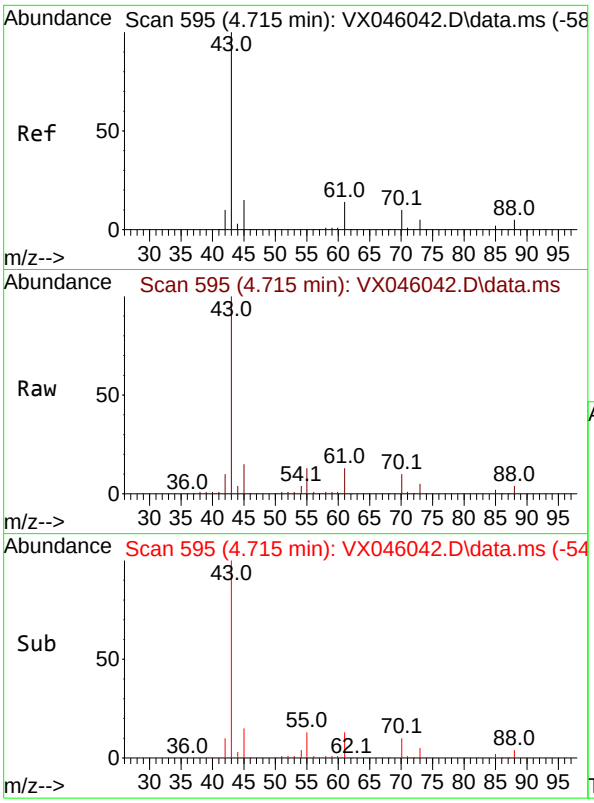


#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 83215

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	30.4	24.3	36.5





#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 10253

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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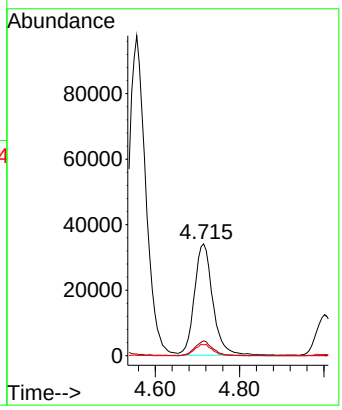
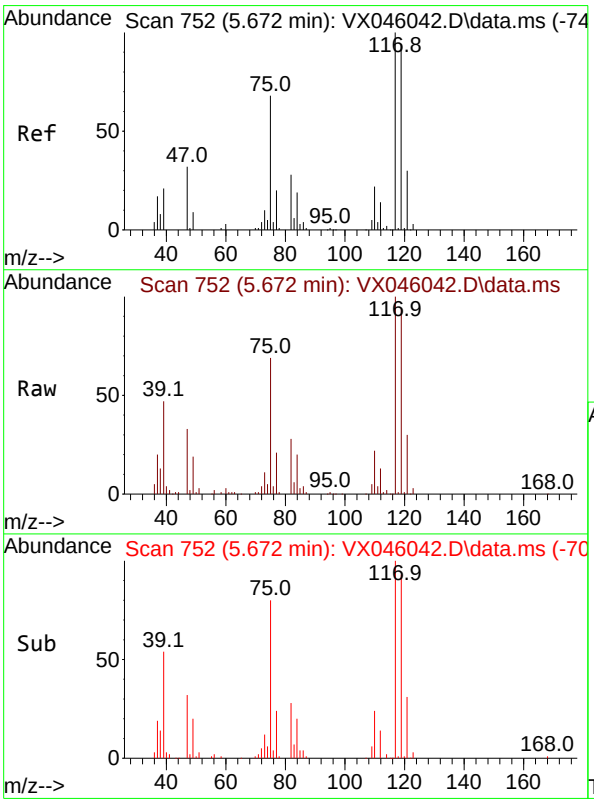
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

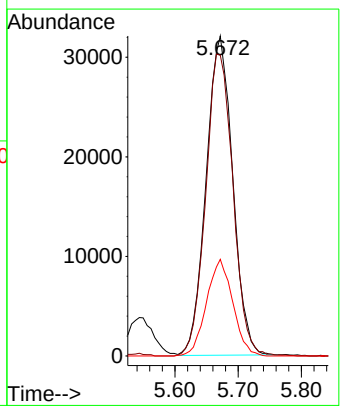


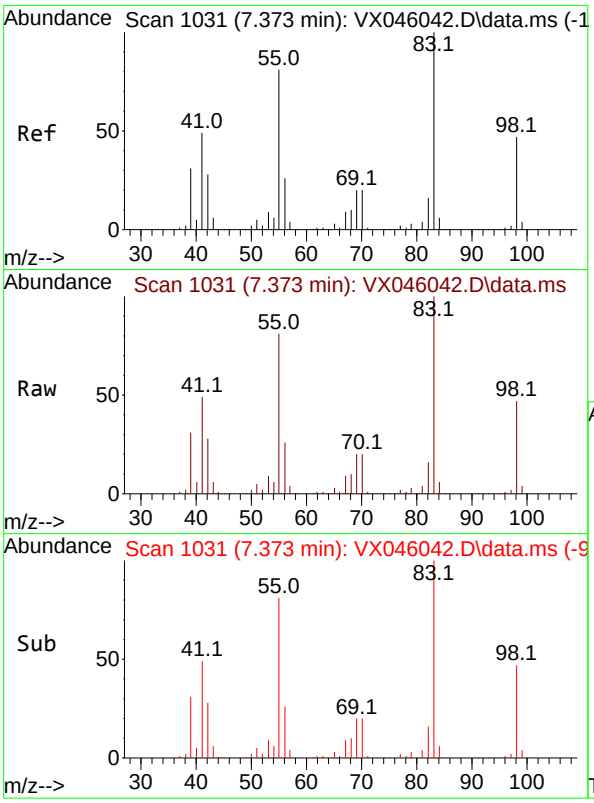


#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 93712

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	30.3	24.2	36.4





#39
Methylcyclohexane
Concen: 39.307 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 10765

Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.7	97.1
98	46.8	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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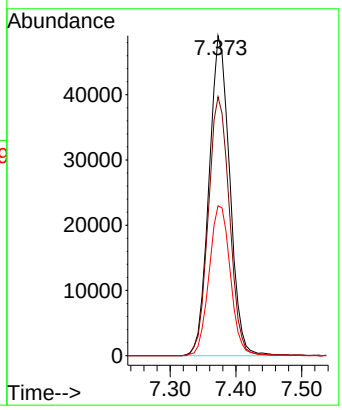
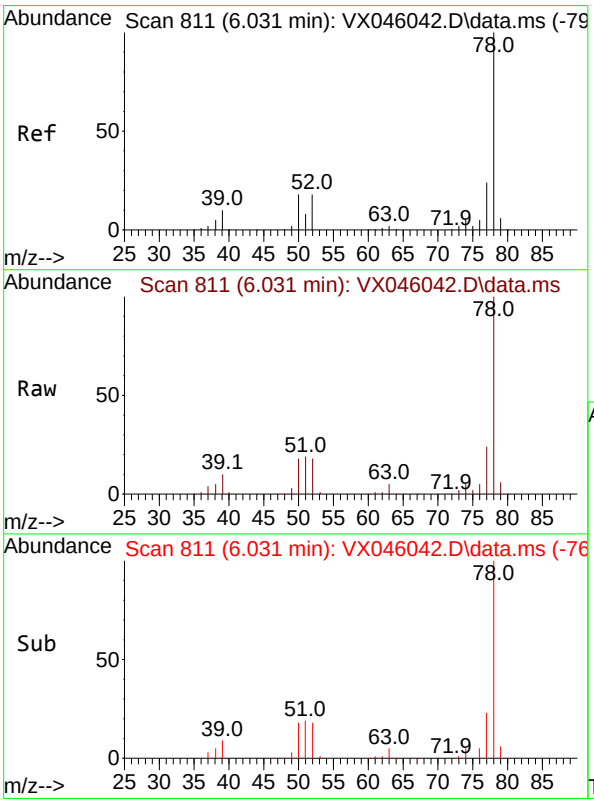
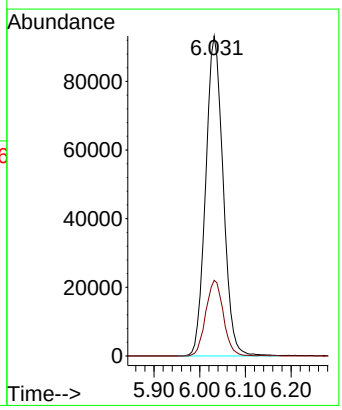


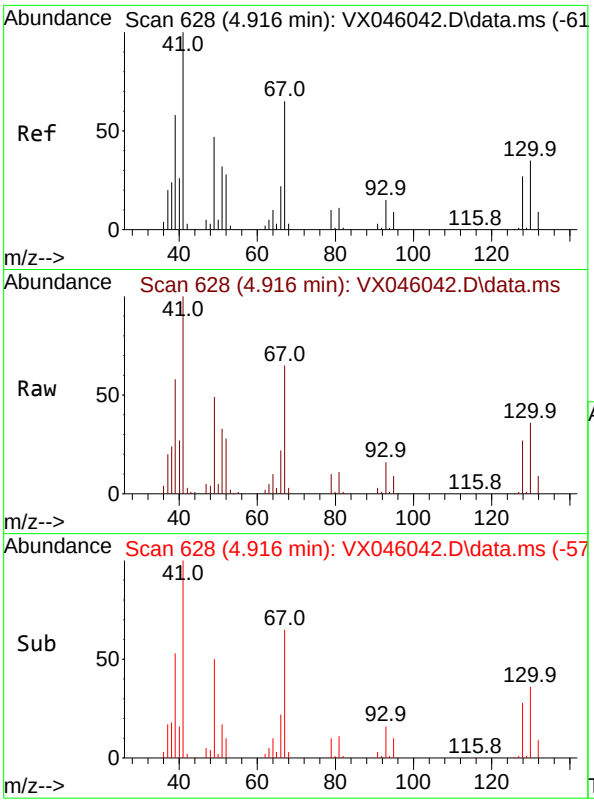


#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

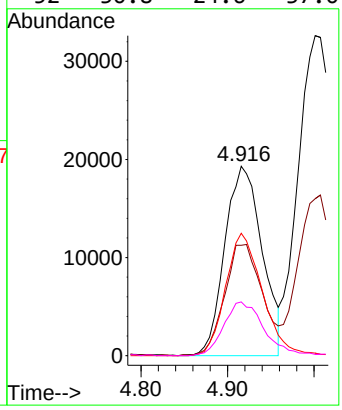




#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 5808

Ion	Ratio	Lower	Upper
41	100		
39	59.0	47.2	70.8
67	63.4	50.7	76.1
52	30.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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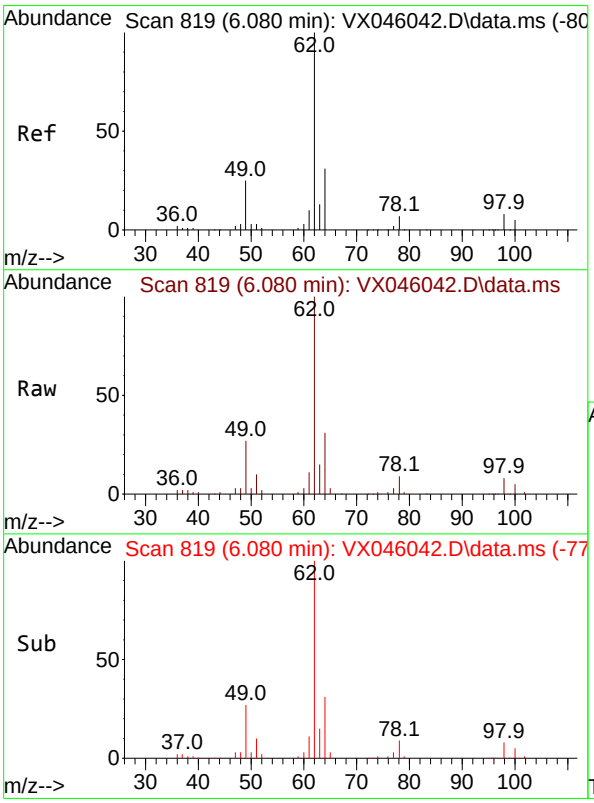
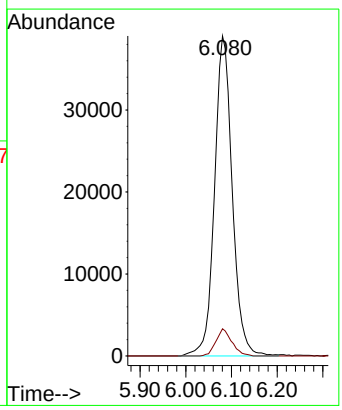
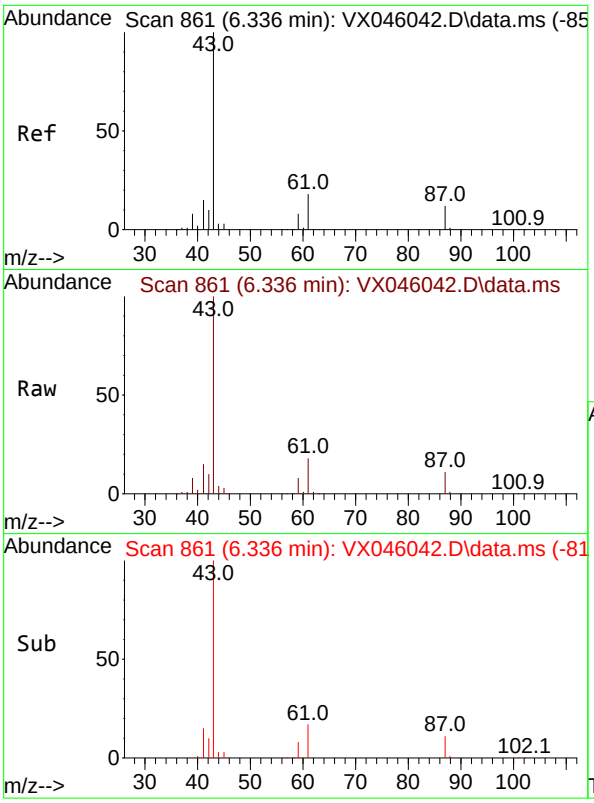


#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

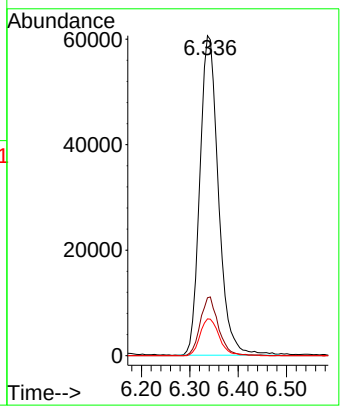




#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 16178

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.9	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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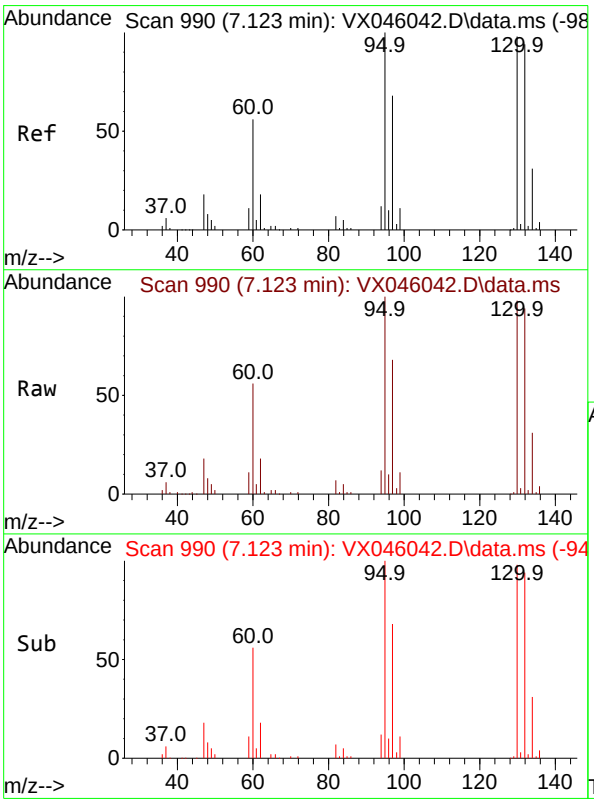
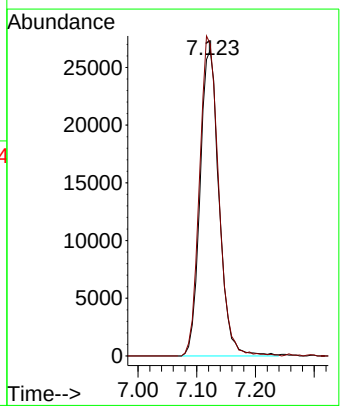
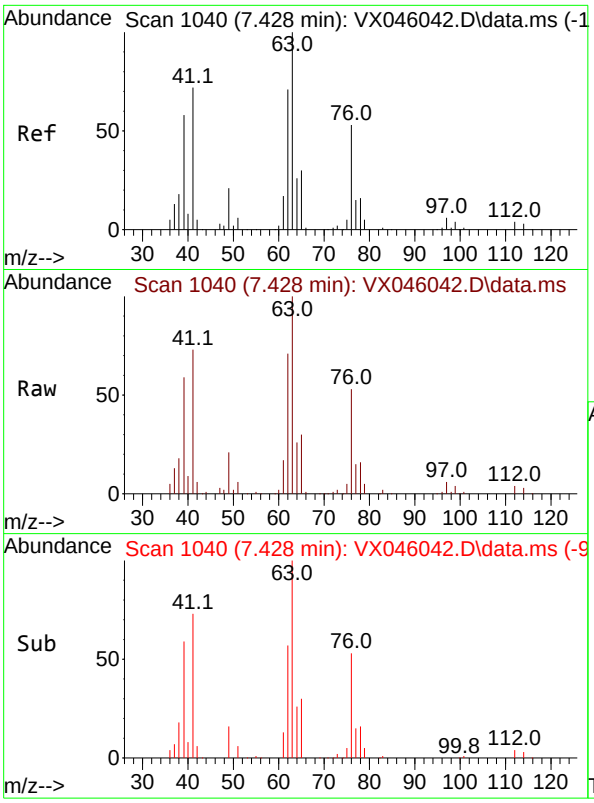


#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	204.2





#45
1,2-Dichloropropane
Concen: 37.064 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 6238

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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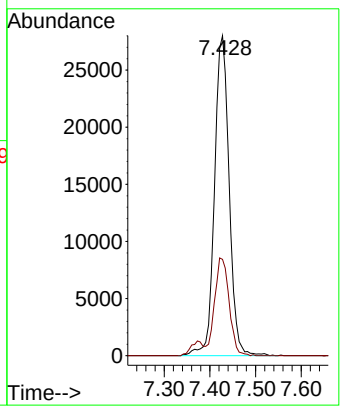
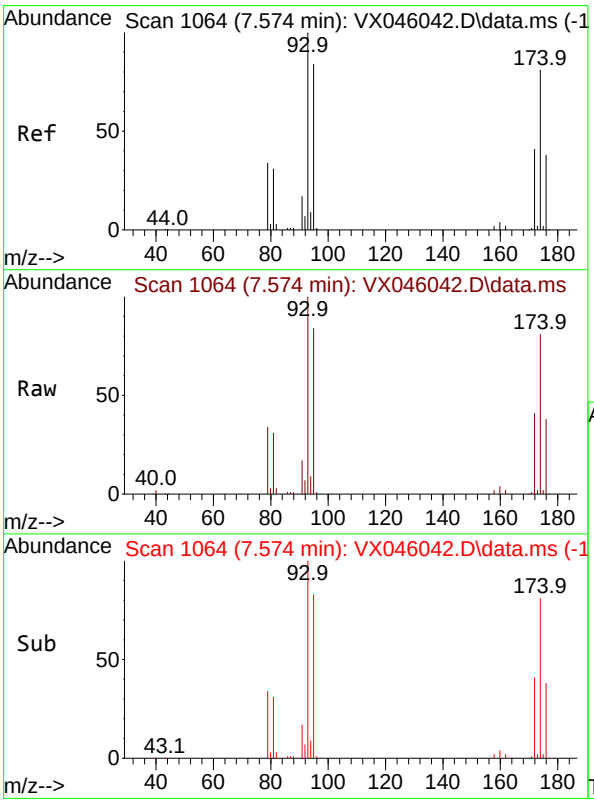
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

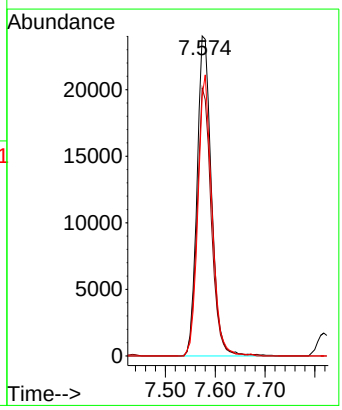


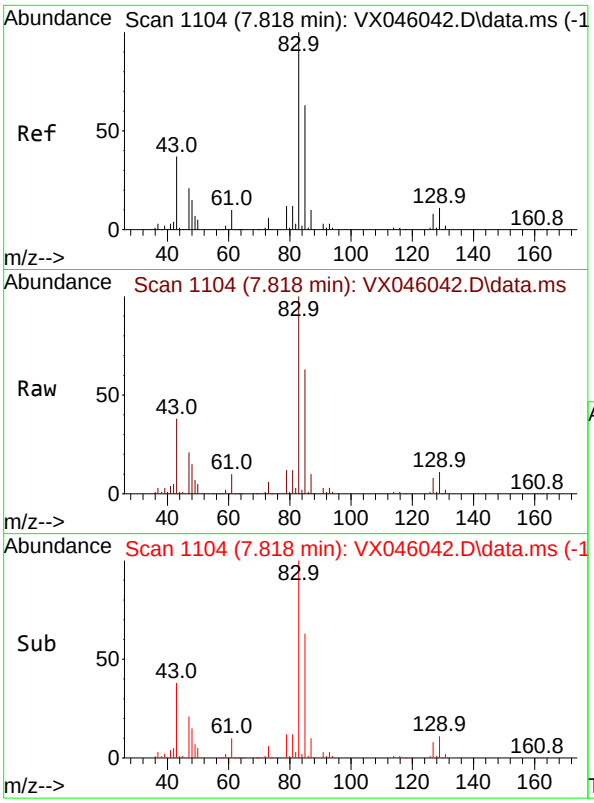


#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 93 Resp: 48201

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	85.2	68.2	102.2

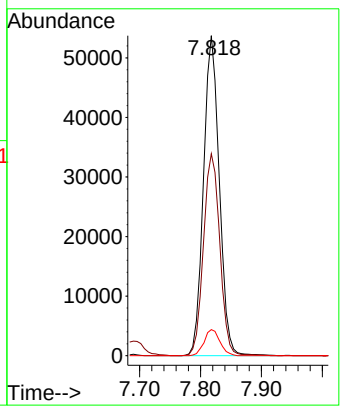




#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 9691

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.1	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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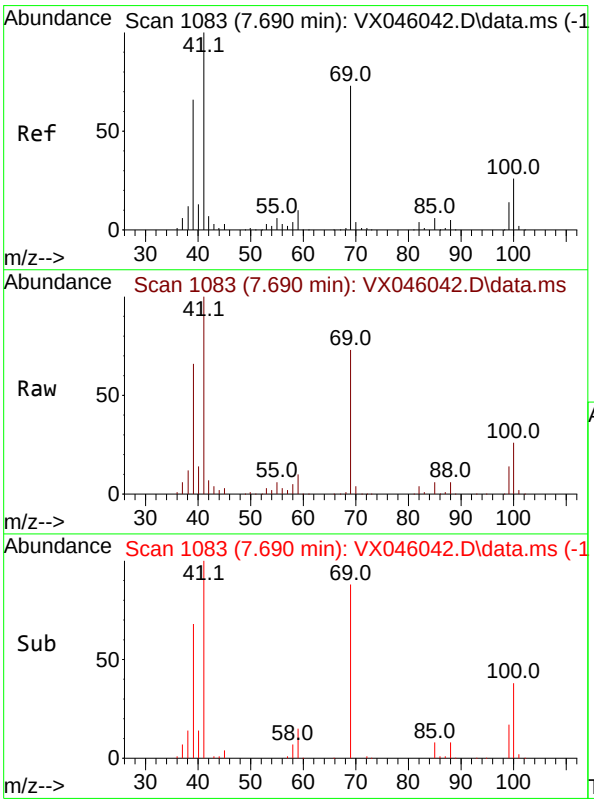
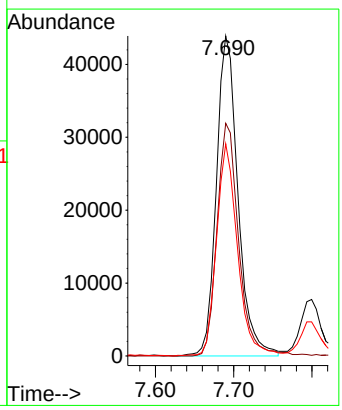
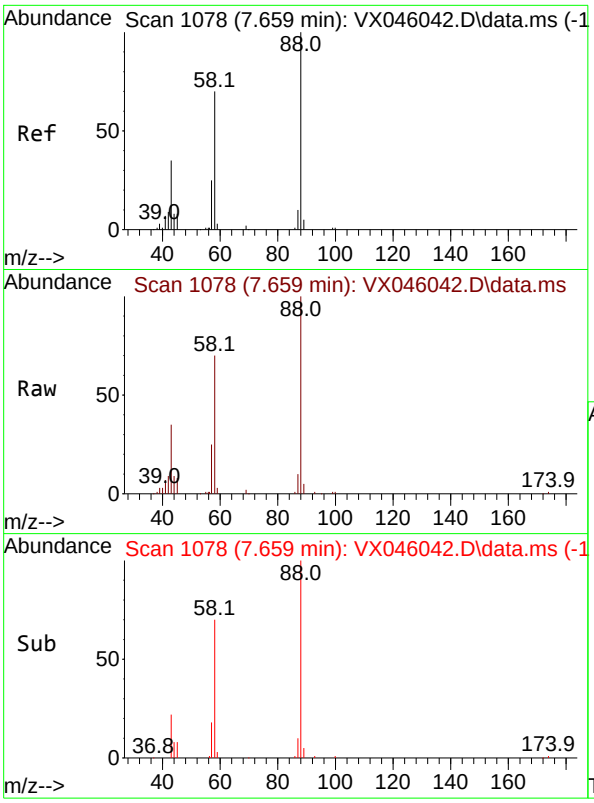


#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 84277

Ion	Ratio	Lower	Upper
41	100		
69	73.1	58.5	87.7
39	64.6	51.7	77.5

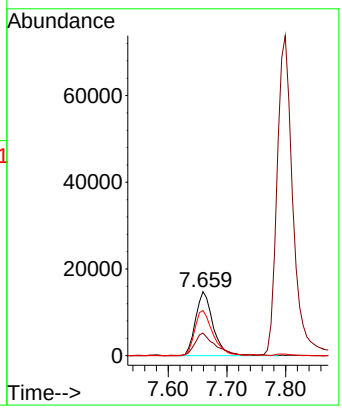




#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 88 Resp: 3052

Ion	Ratio	Lower	Upper
88	100		
43	41.8	33.4	50.2
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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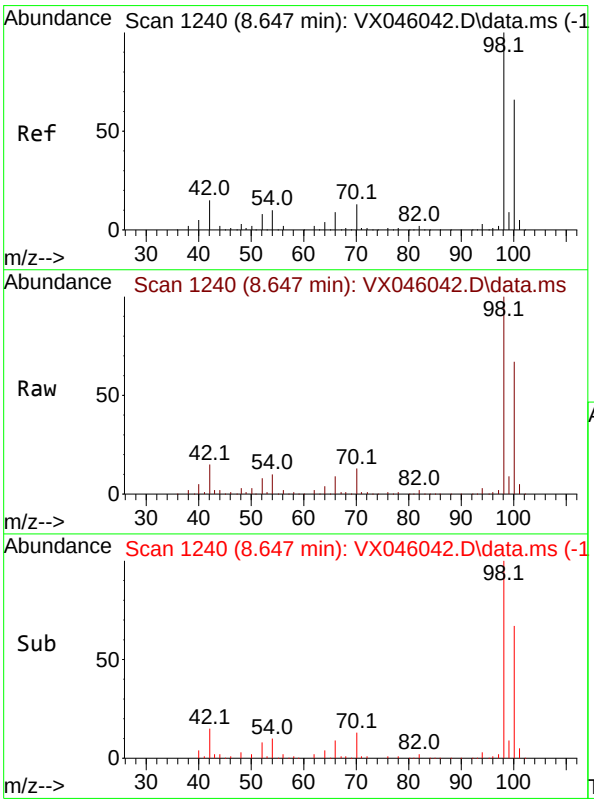
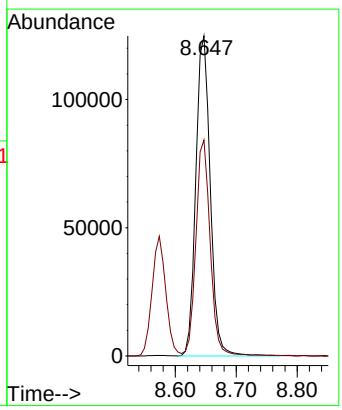
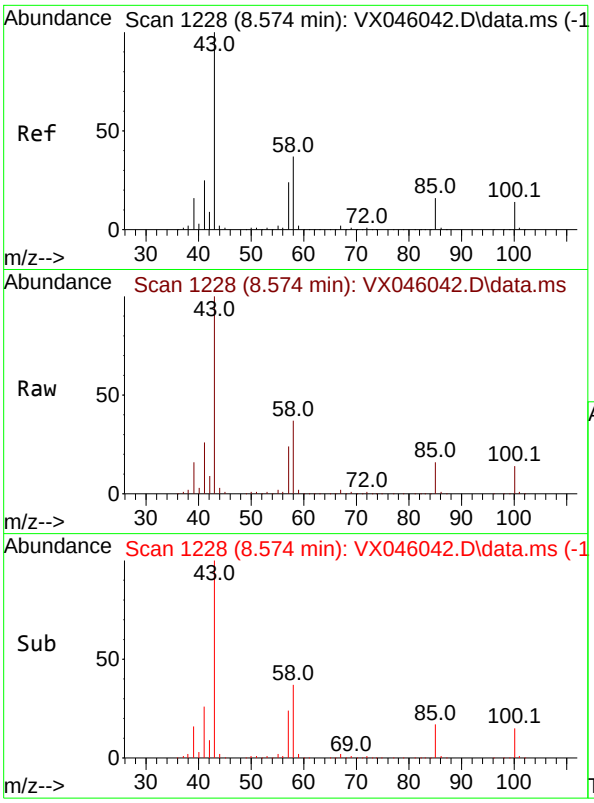


#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 98 Resp: 205479

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 193.653 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 53238

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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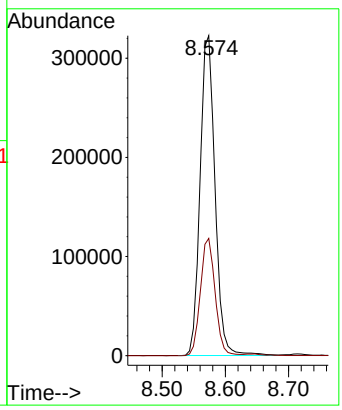
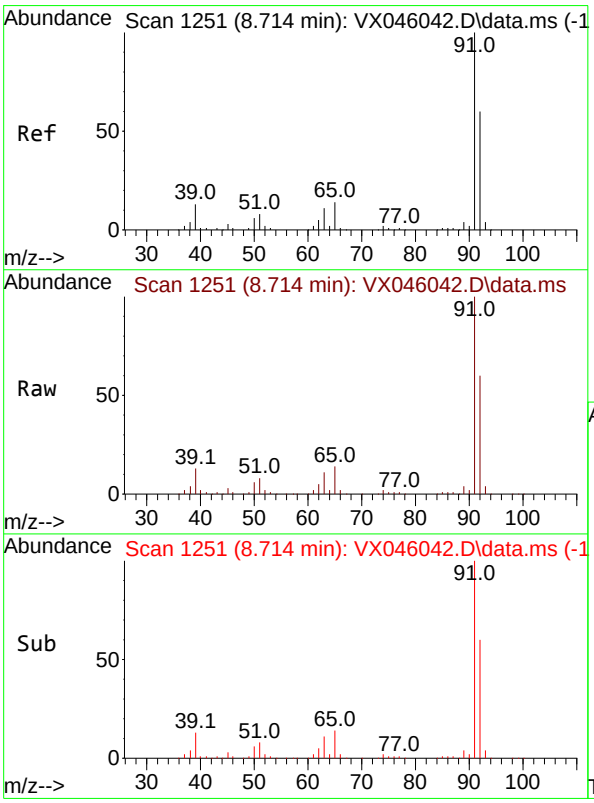
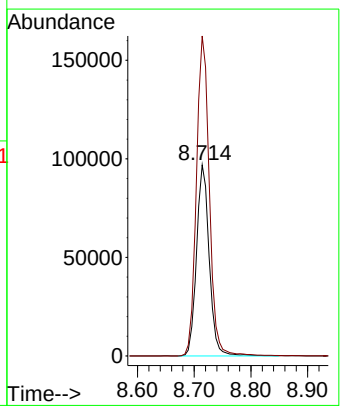


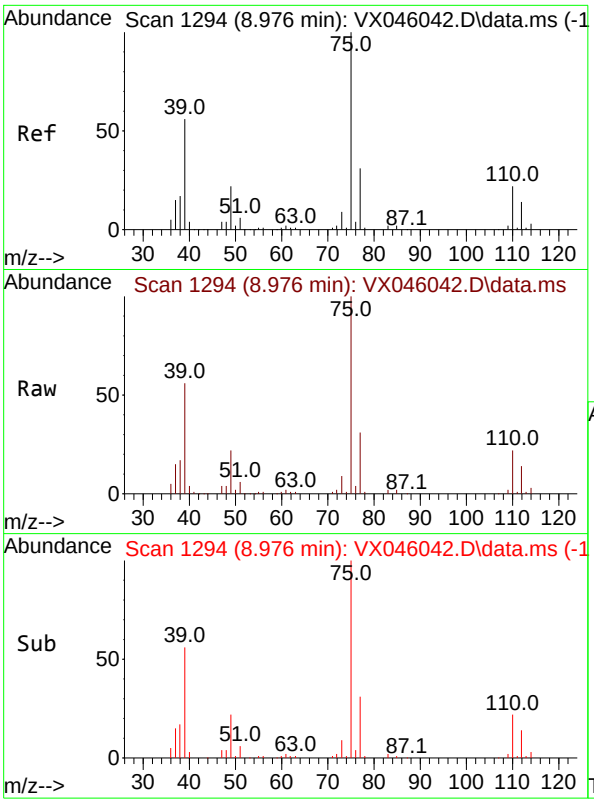


#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.6	205.0

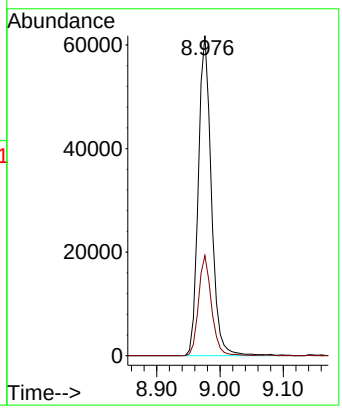




#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 8865

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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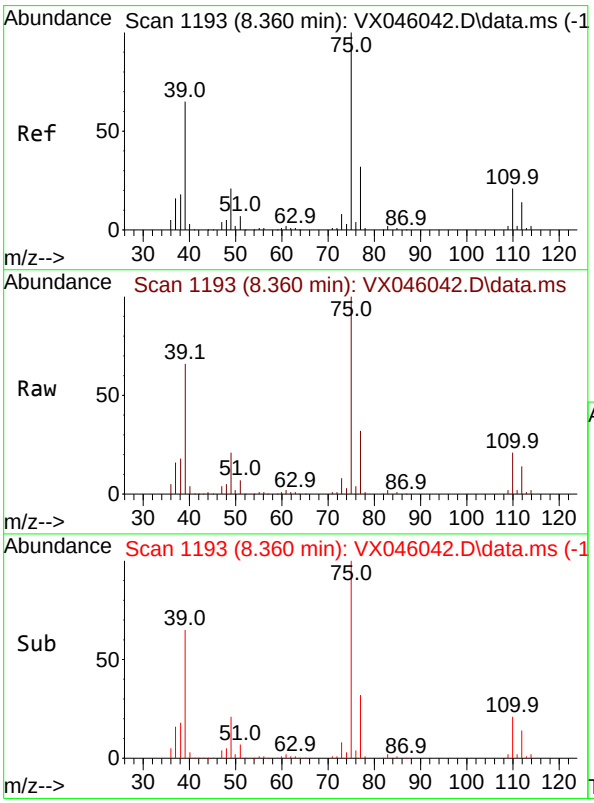
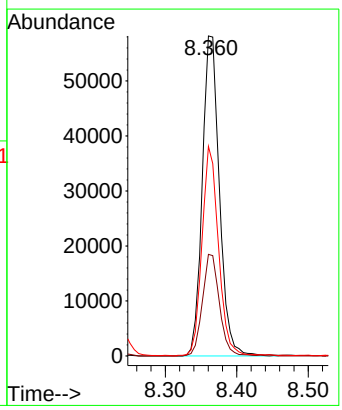
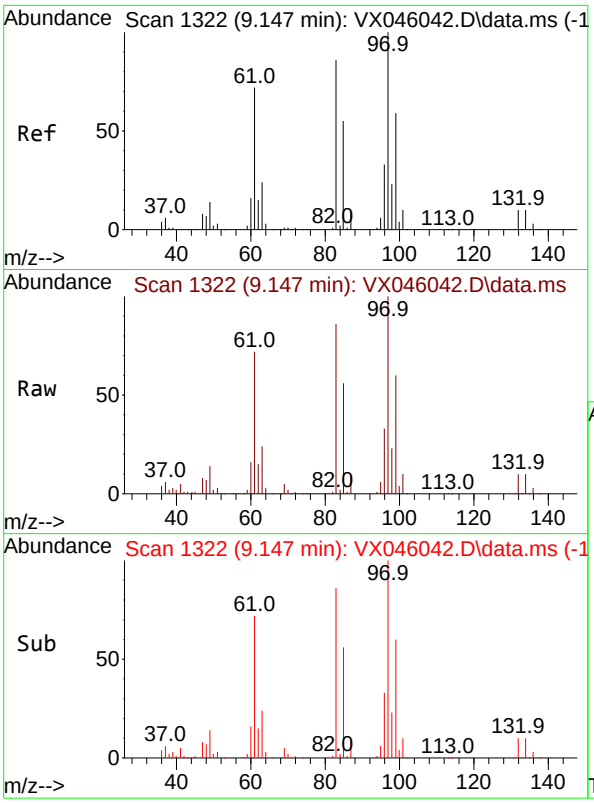


#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 97031

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	65.3	52.2	78.4

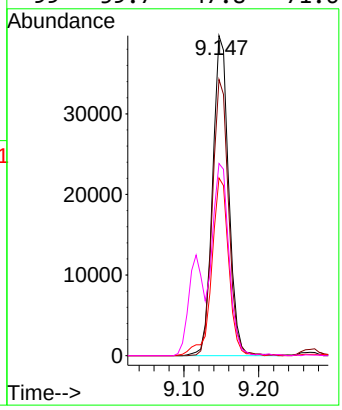




#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 5949

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.4	44.3	66.5
99	59.7	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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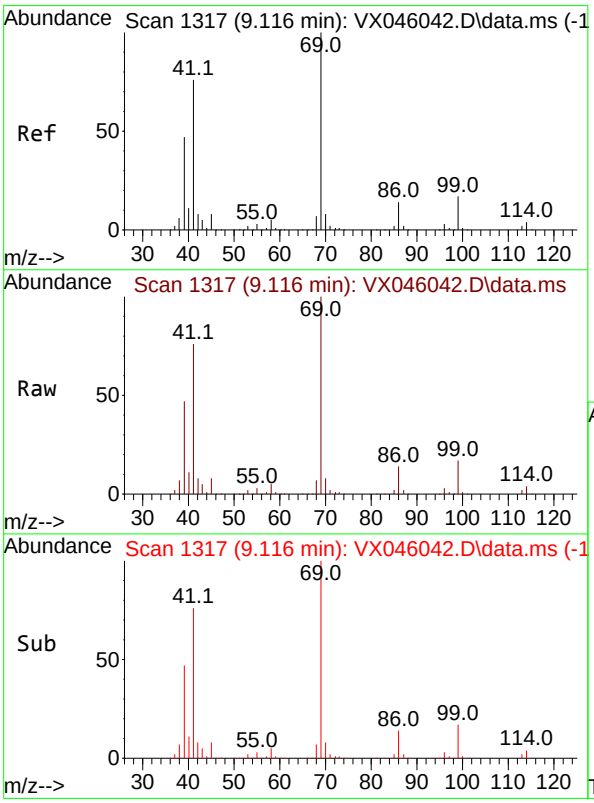
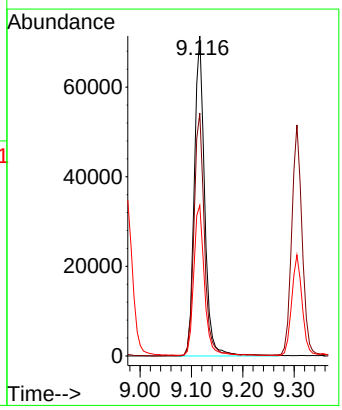
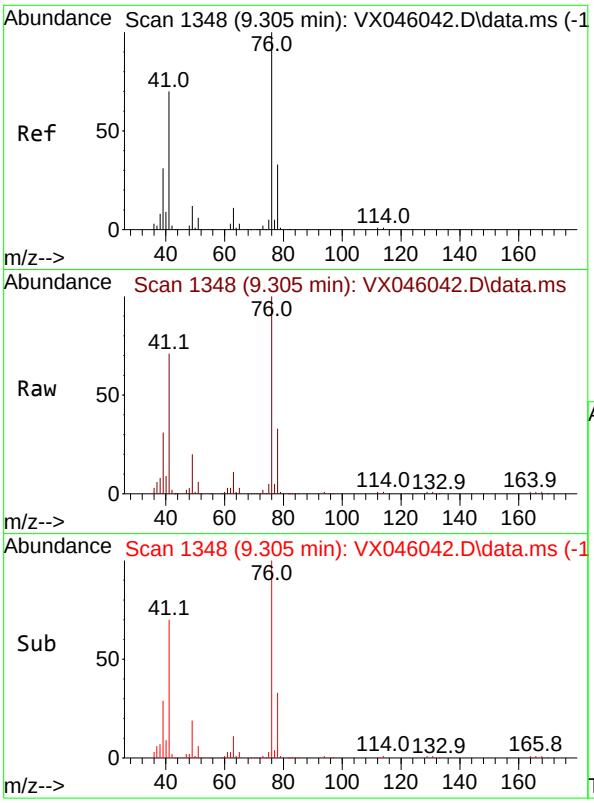


#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 69 Resp: 99947

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	48.8	39.0	58.6





#57
1,3-Dichloropropane
Concen: 36.347 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 76 Resp: 10460

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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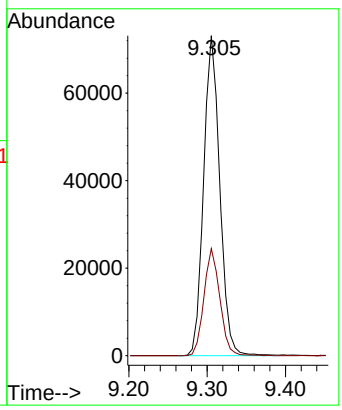
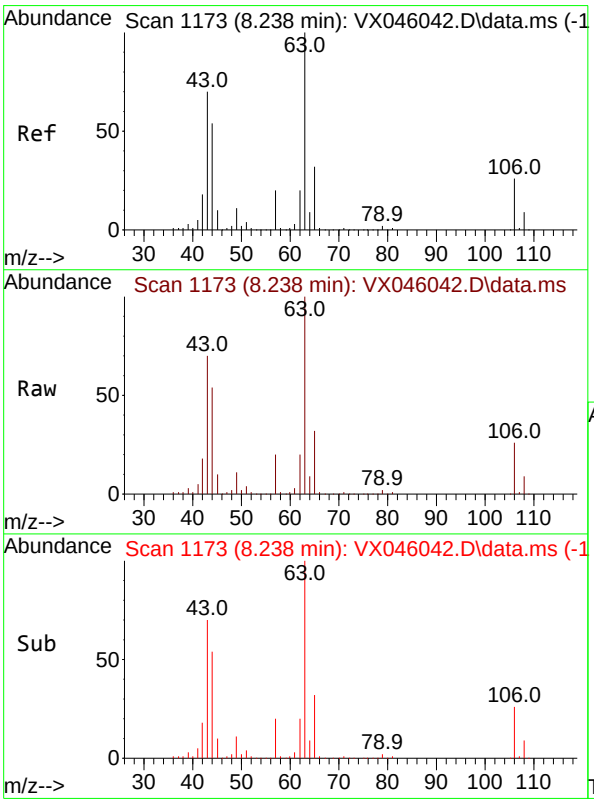
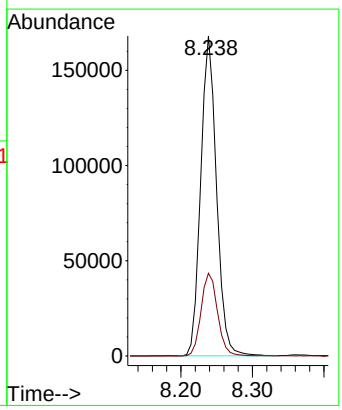


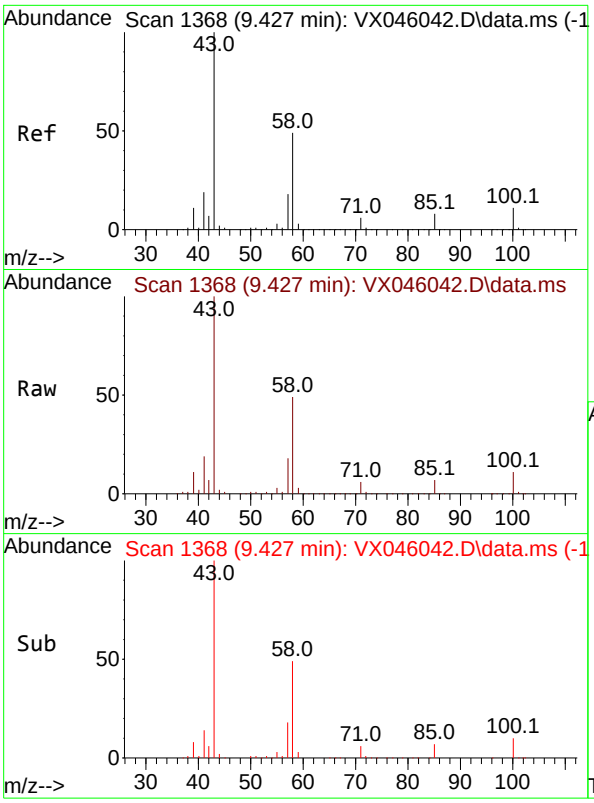


#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 257678

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 190.168 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 39678

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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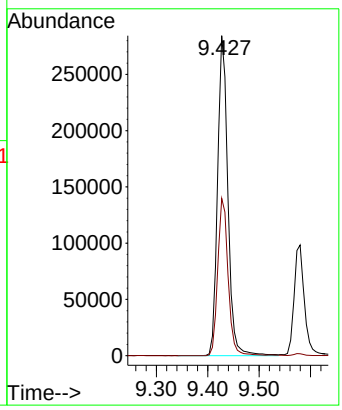
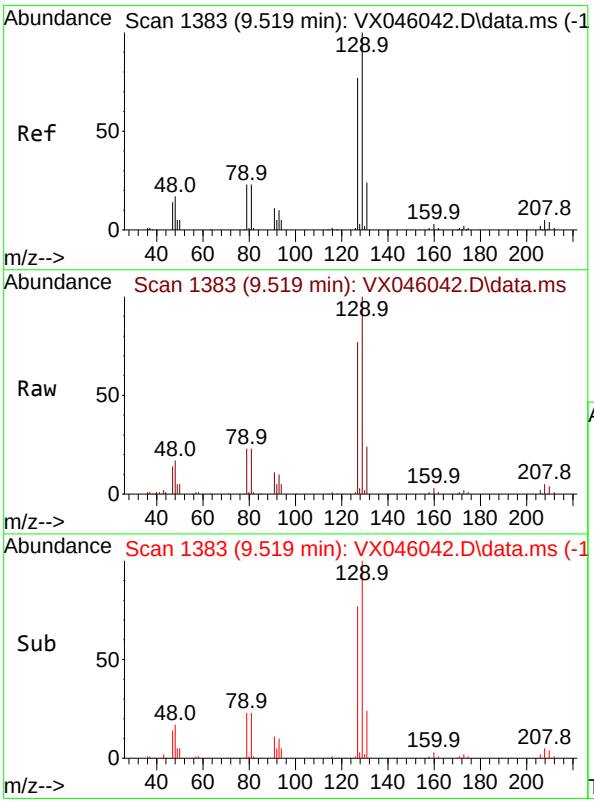
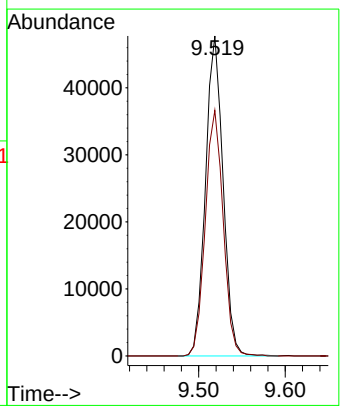


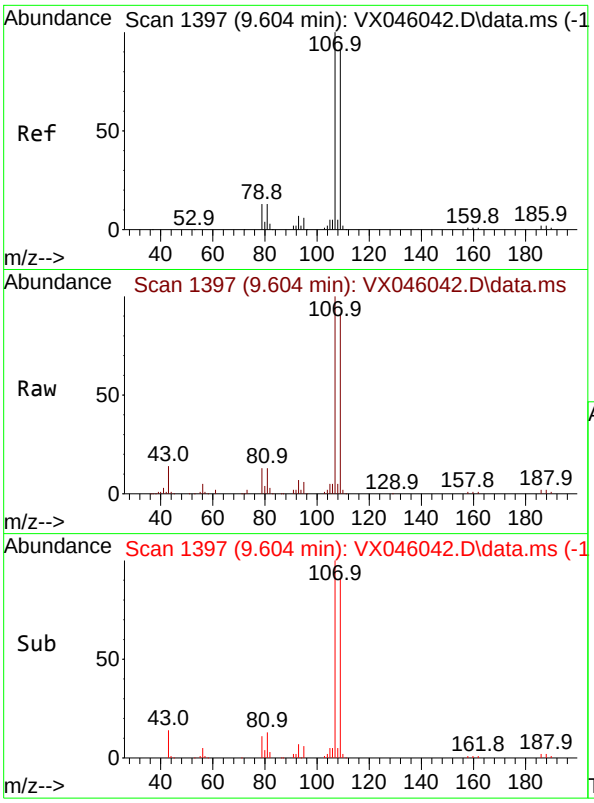


#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8

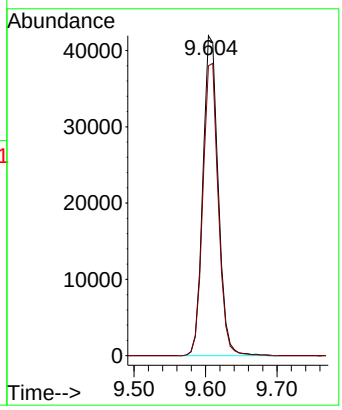




#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:107 Resp: 6263

Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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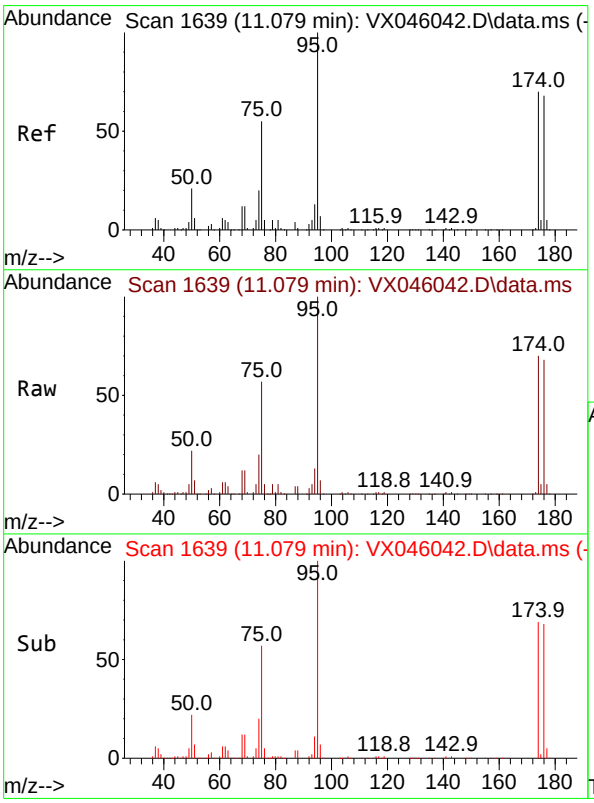
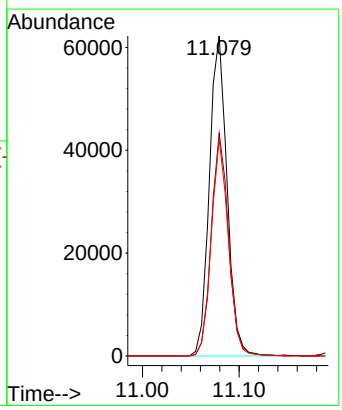
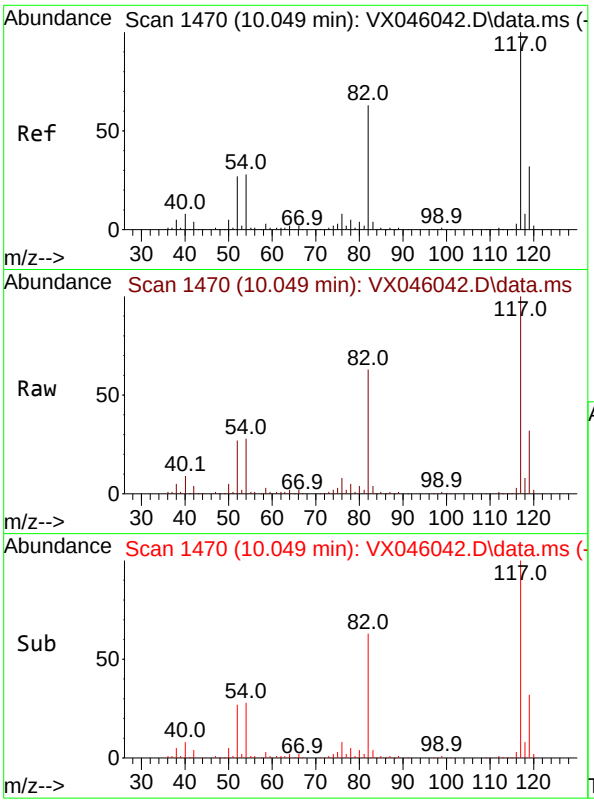


#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 95 Resp: 79012

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.7	0.0	131.4

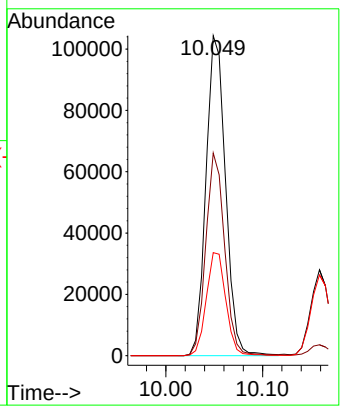




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 14625

Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	76.0
119	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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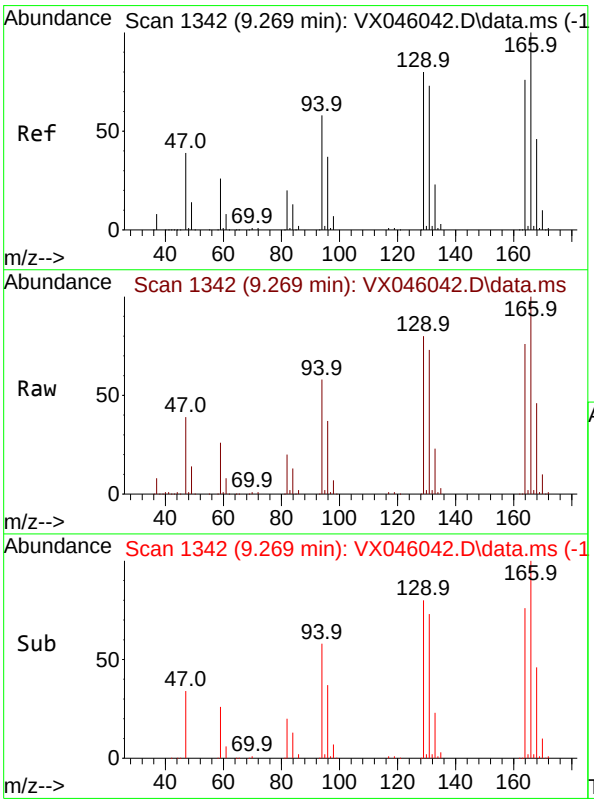
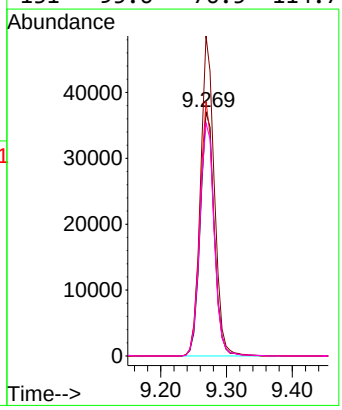
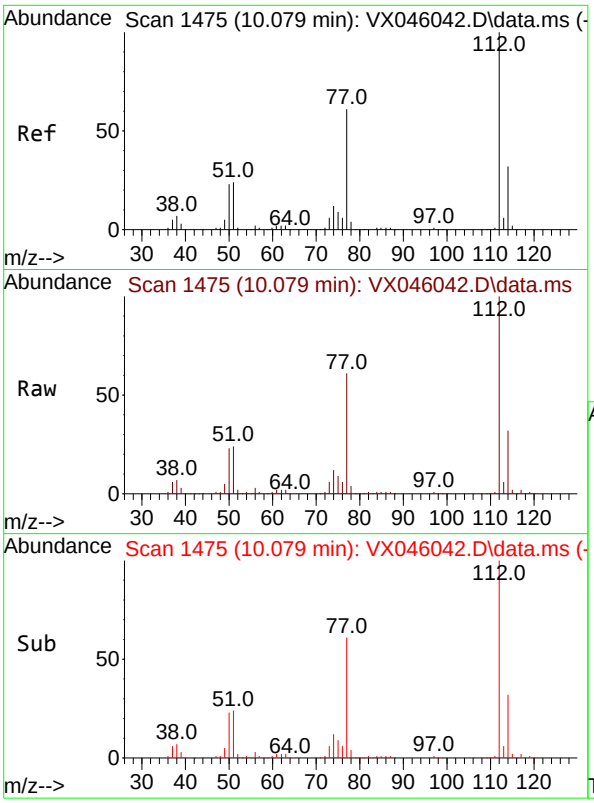


#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:164 Resp: 54853

Ion	Ratio	Lower	Upper
164	100		
166	131.3	105.0	157.6
129	104.4	83.5	125.3
131	95.6	76.5	114.7





#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

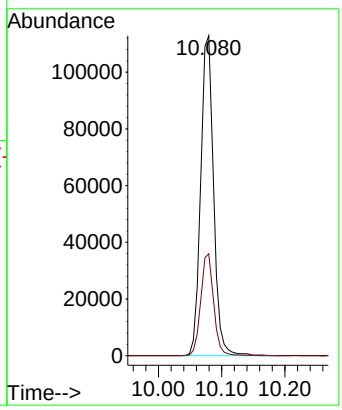
Tgt Ion:112 Resp: 16060

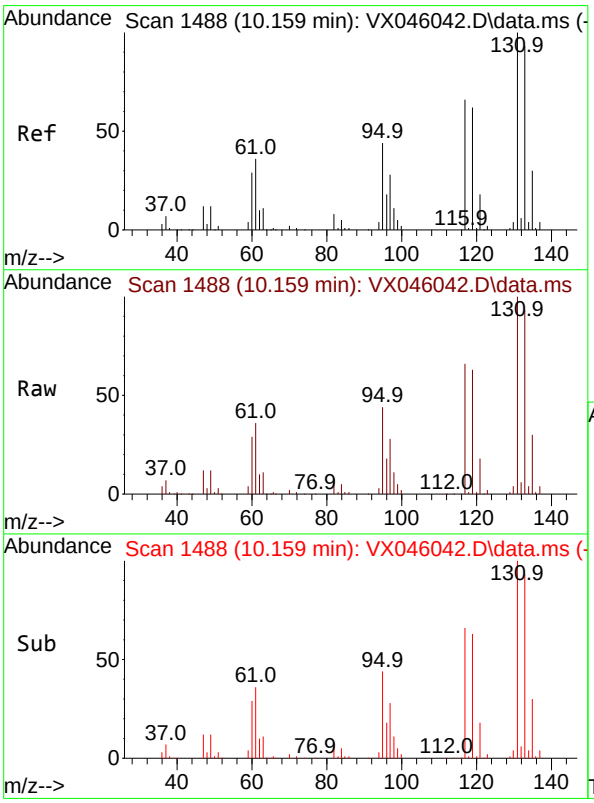
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

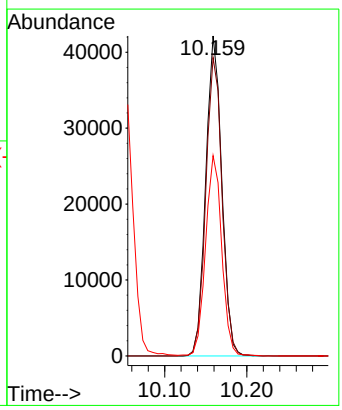


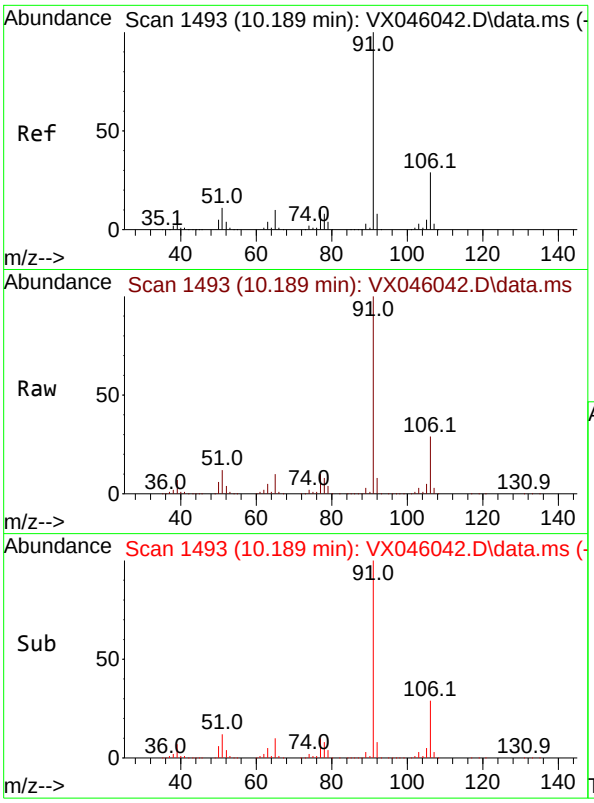


#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:131 Resp: 57066

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	63.3	31.6	95.0

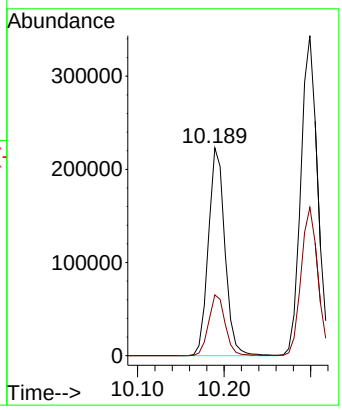




#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 29571

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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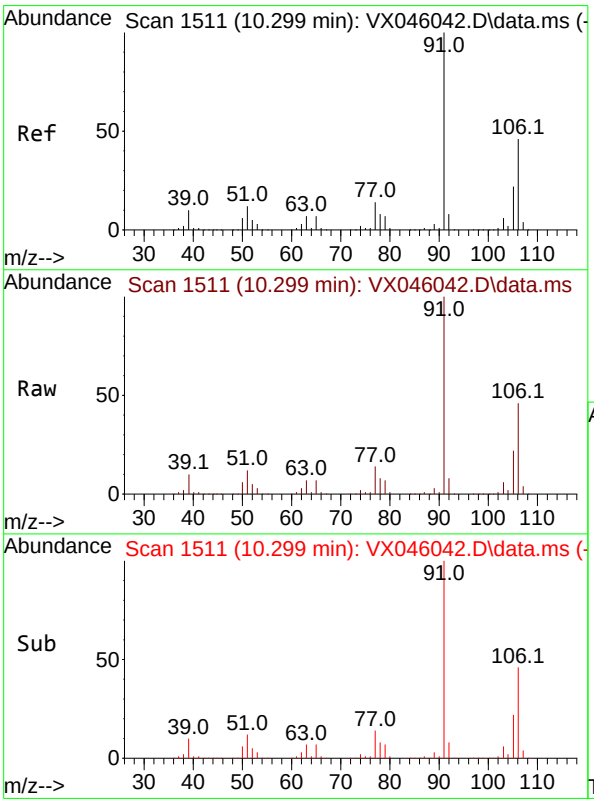
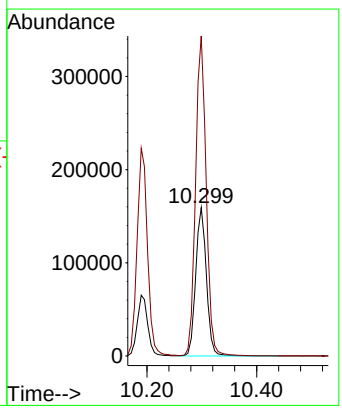
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

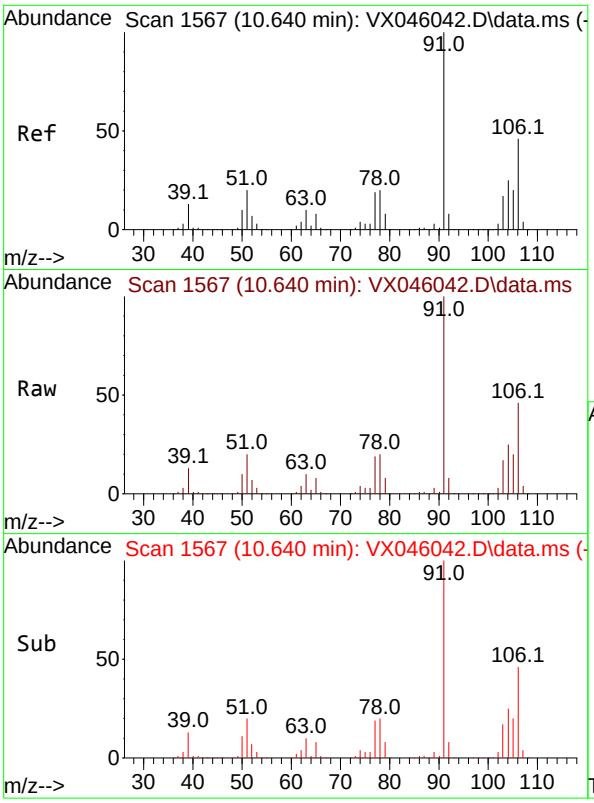


#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578

Ion	Ratio	Lower	Upper
106	100		
91	214.0	171.2	256.8





#69
o-Xylene
Concen: 38.064 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 10633

Ion	Ratio	Lower	Upper
106	100		
91	225.4	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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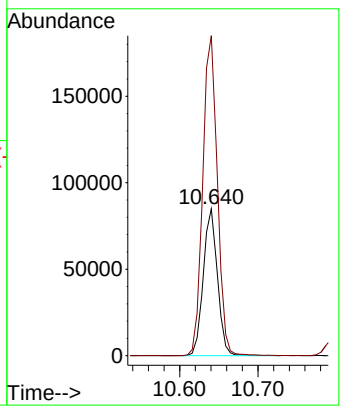
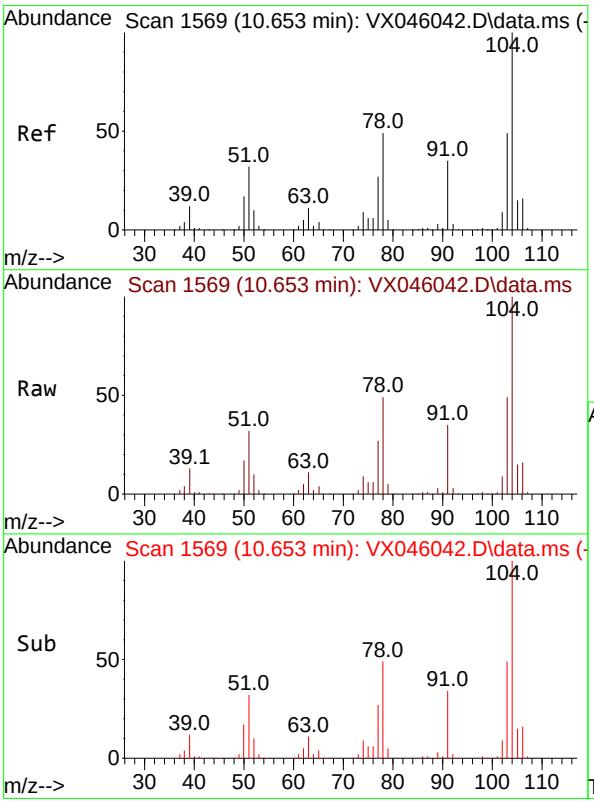
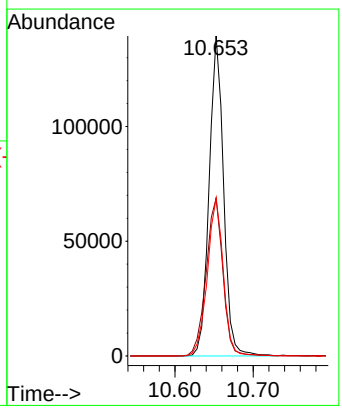


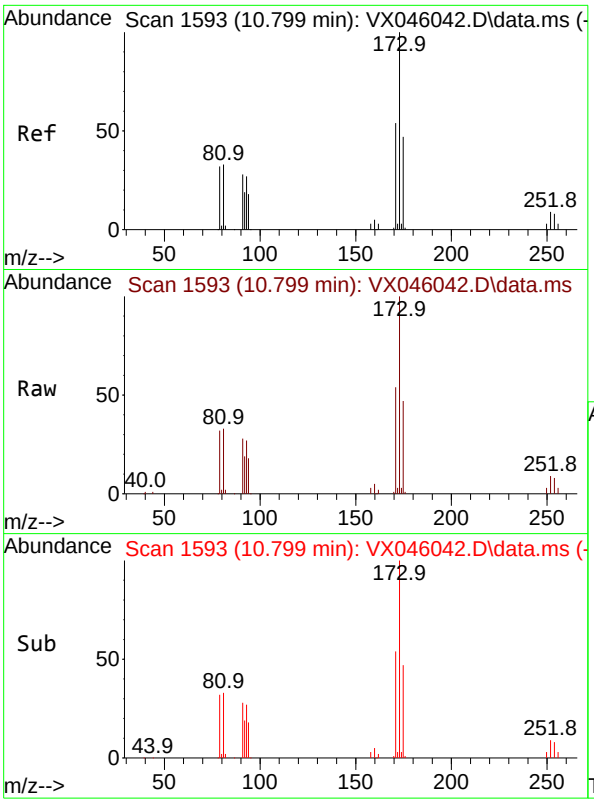


#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:104 Resp: 178313

Ion	Ratio	Lower	Upper
104	100		
78	57.1	45.7	68.5
103	54.6	43.7	65.5

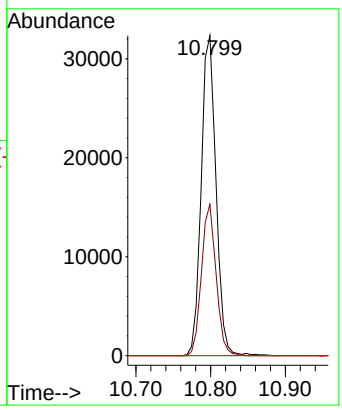




#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:173 Resp: 4448

Ion	Ratio	Lower	Upper
173	100		
175	46.7	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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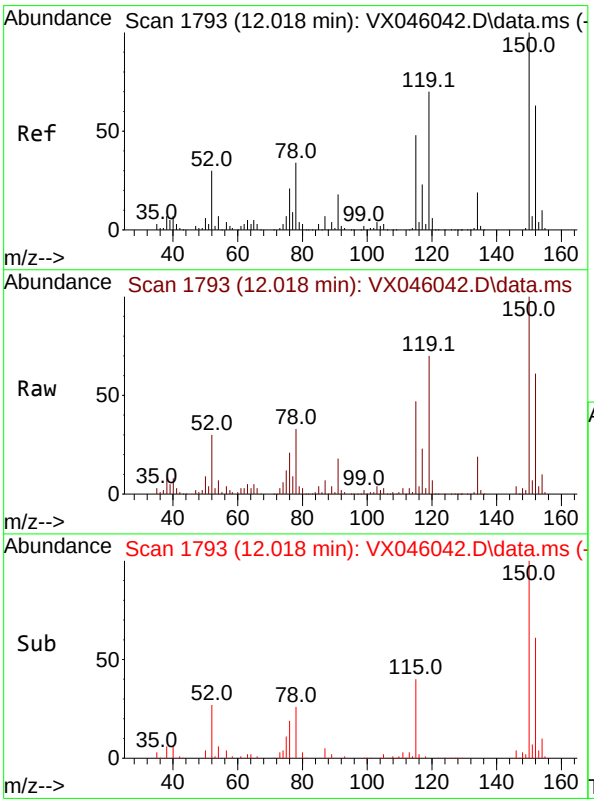
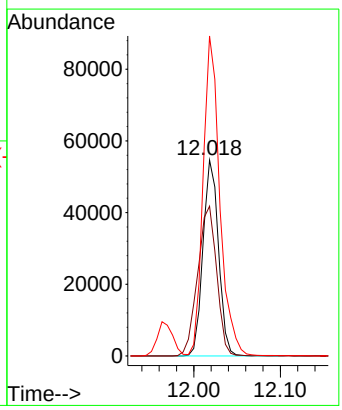
Supervised By :Mahesh Dadoda 05/06/2025

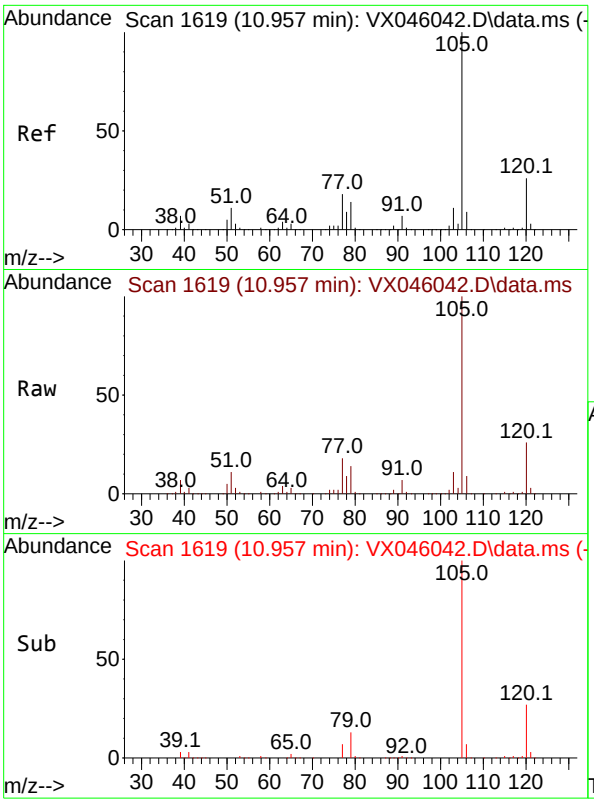


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:152 Resp: 67976

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	175.5	0.0	351.0





#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 28071

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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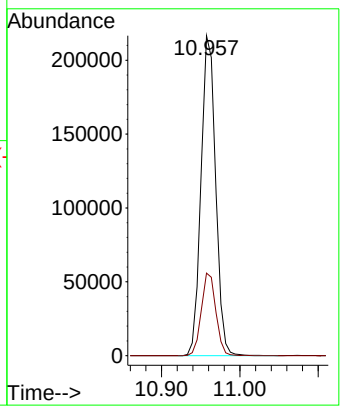
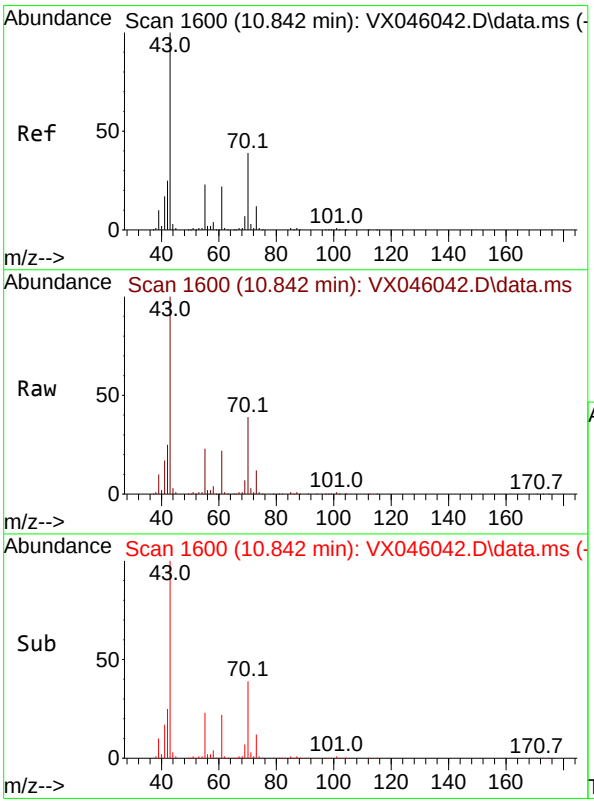
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

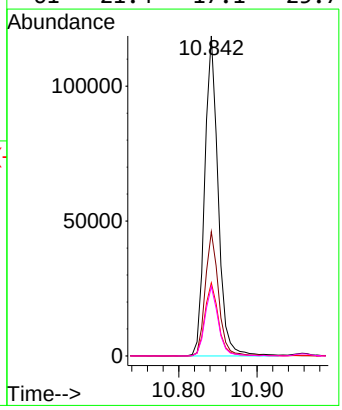


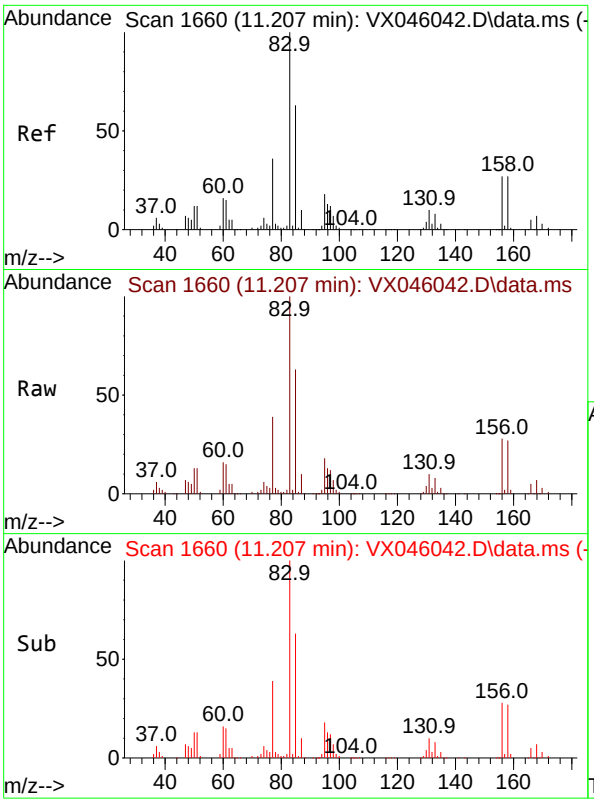


#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 140509

Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.9	46.3
55	23.4	18.7	28.1
61	21.4	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 9097

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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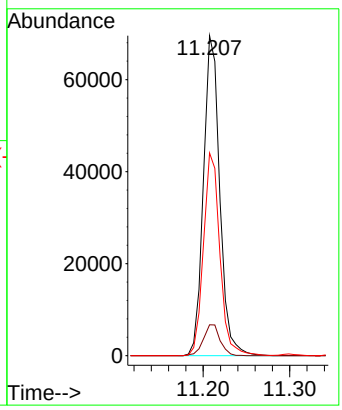
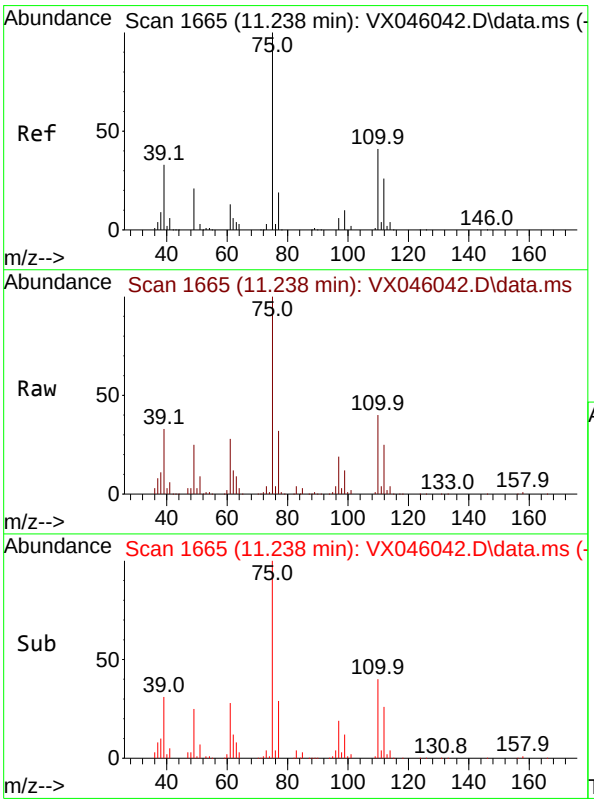
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

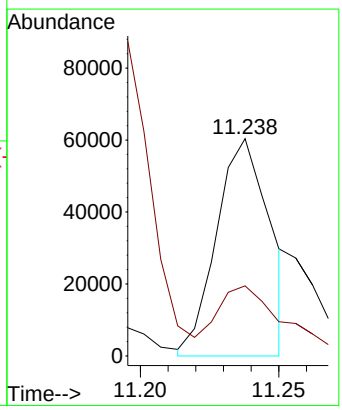


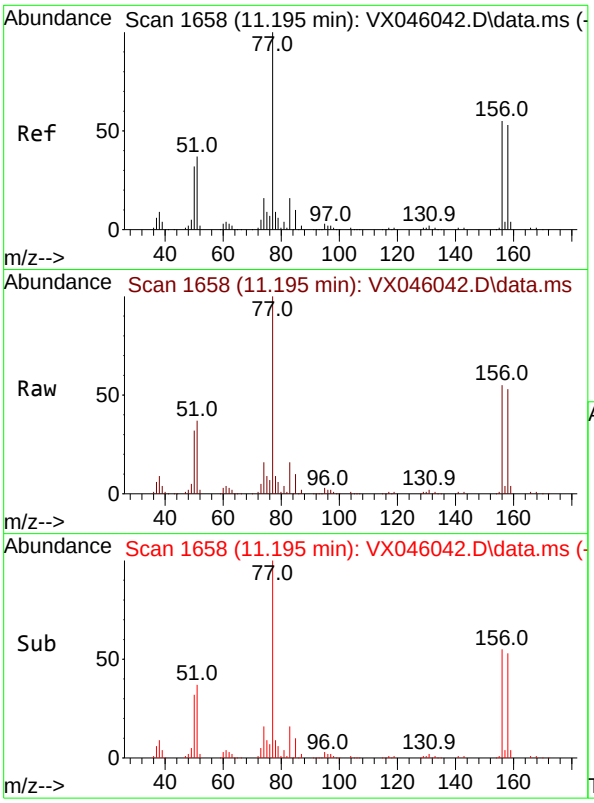


#76
1,2,3-Trichloropropane
Concen: 28.468 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 80678

Ion	Ratio	Lower	Upper
75	100		
77	41.0	20.5	61.5





#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

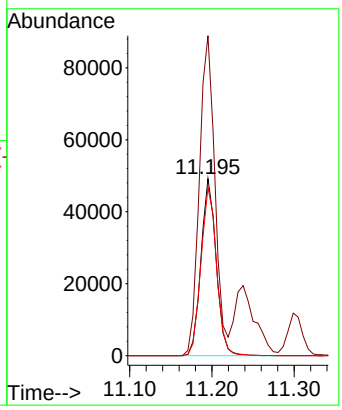
Tgt Ion:156 Resp: 6305

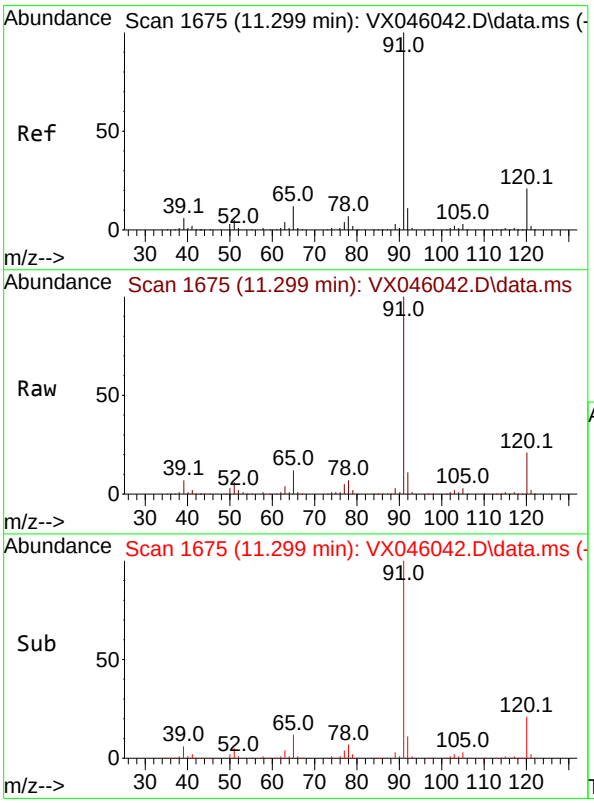
Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.8	278.3
158	97.5	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

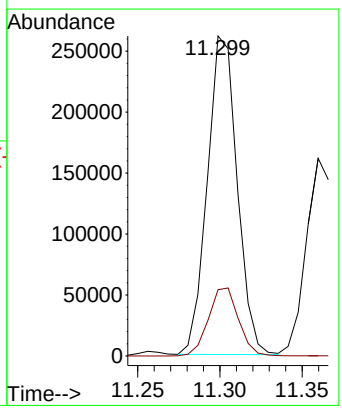


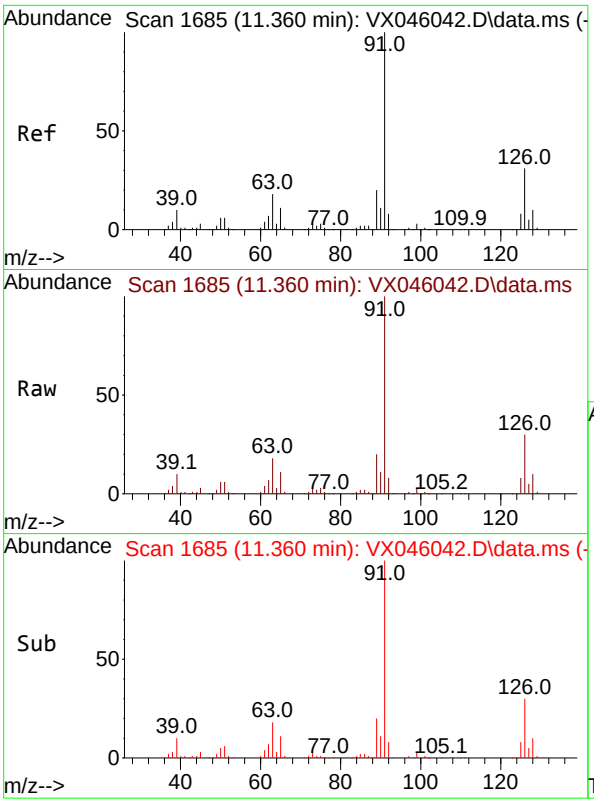


#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 20350

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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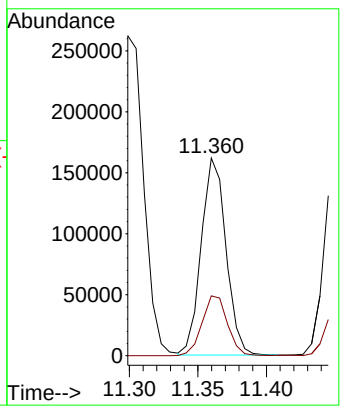
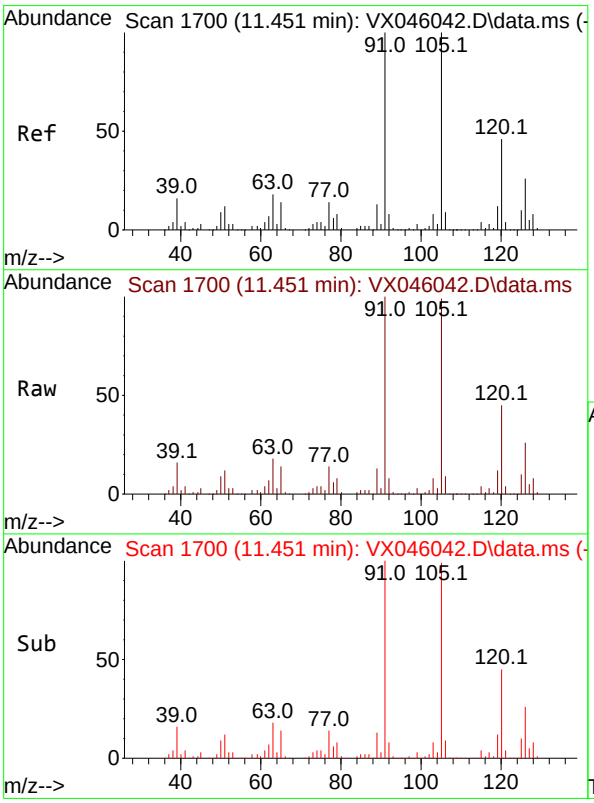
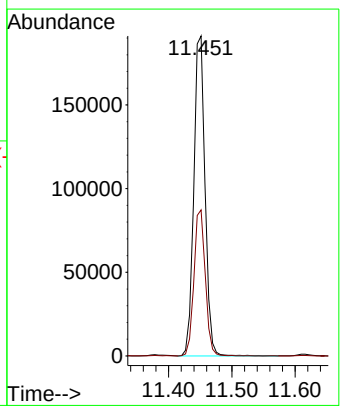


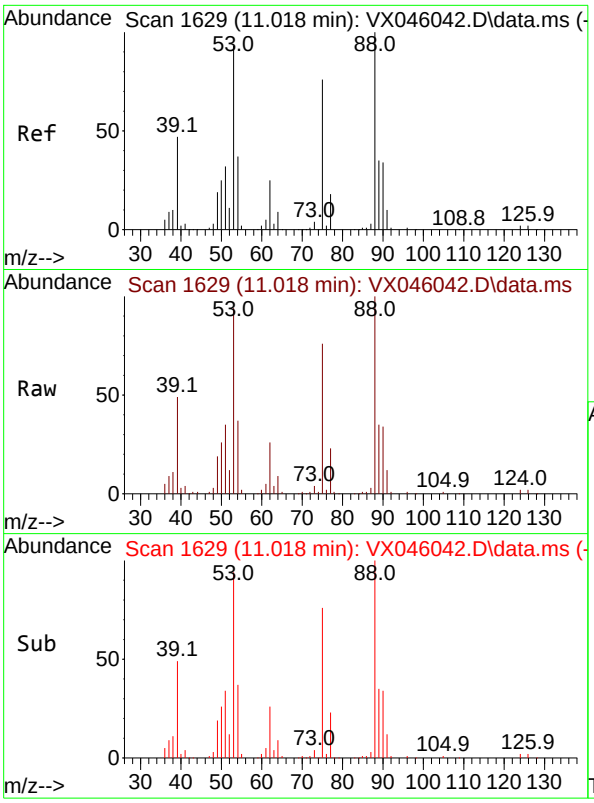


#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 237066

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

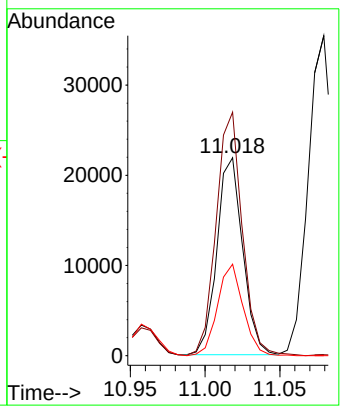
Tgt Ion: 75 Resp: 2617

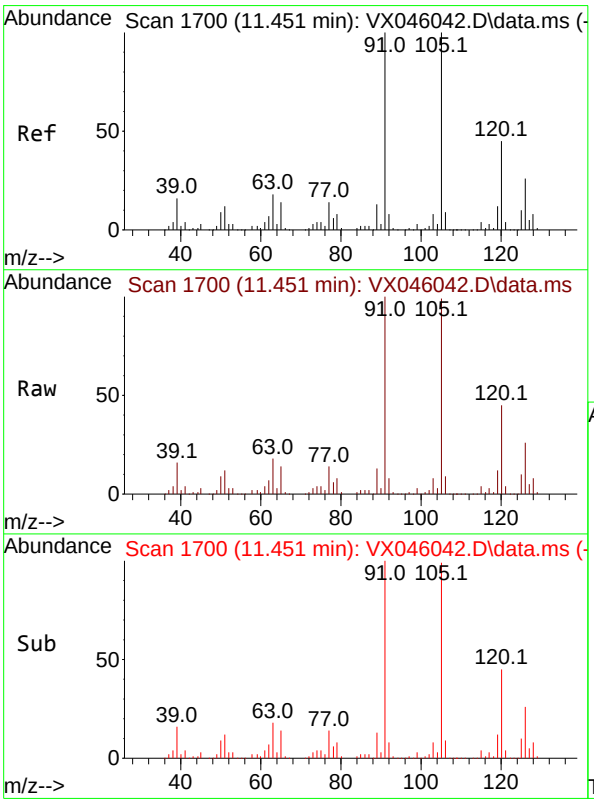
Ion	Ratio	Lower	Upper
75	100		
53	125.6	100.5	150.7
89	46.3	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

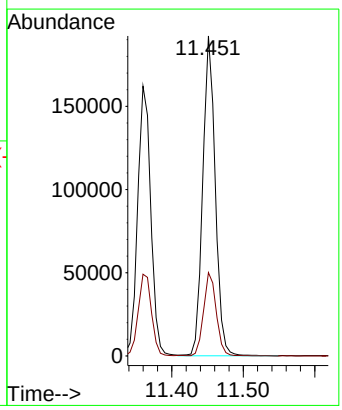


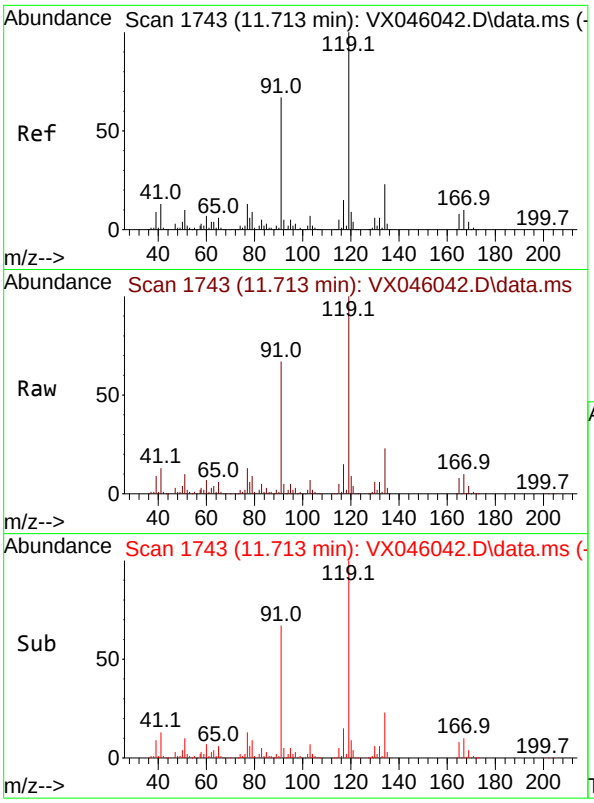


#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

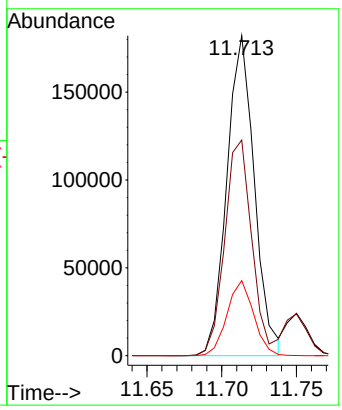




#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 23346

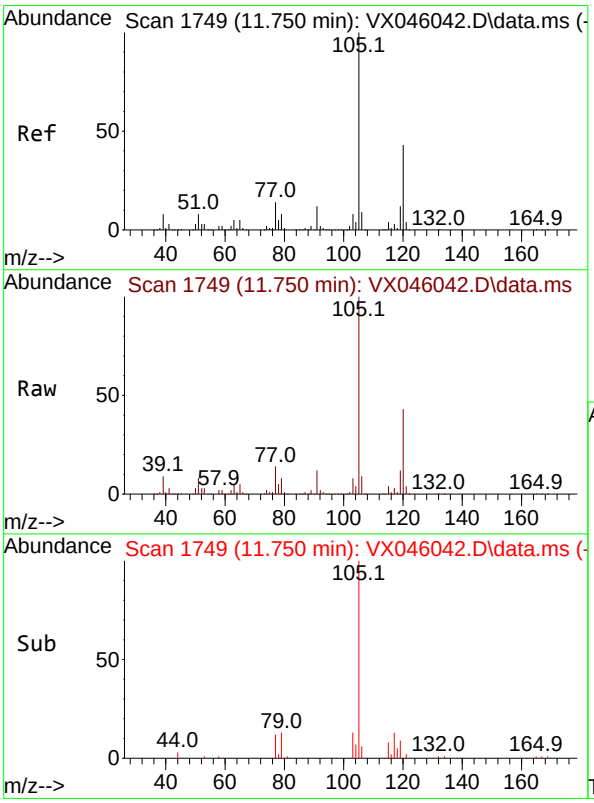
Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.7
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

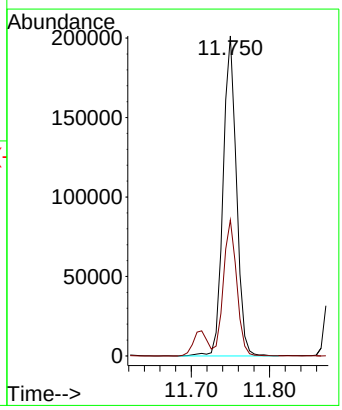
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

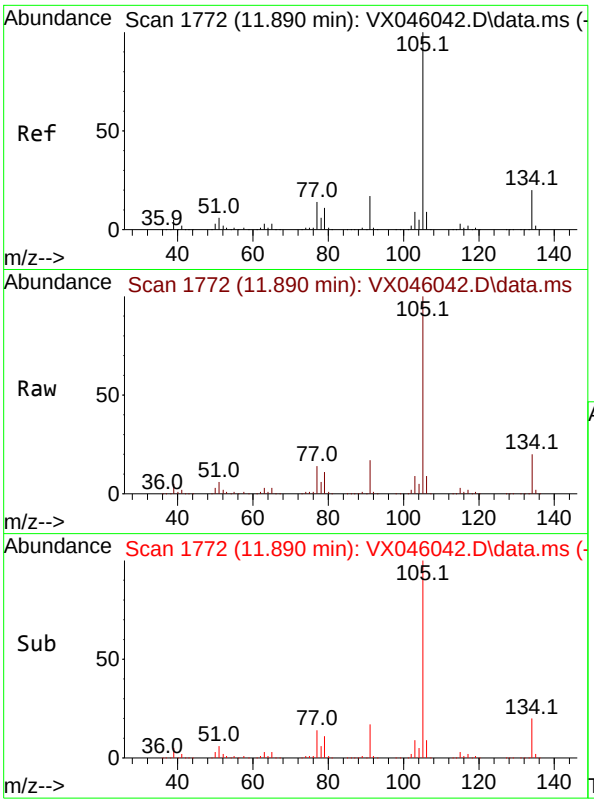


#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6





#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

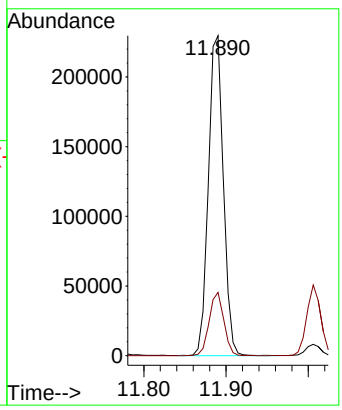
Tgt Ion:105 Resp: 29107

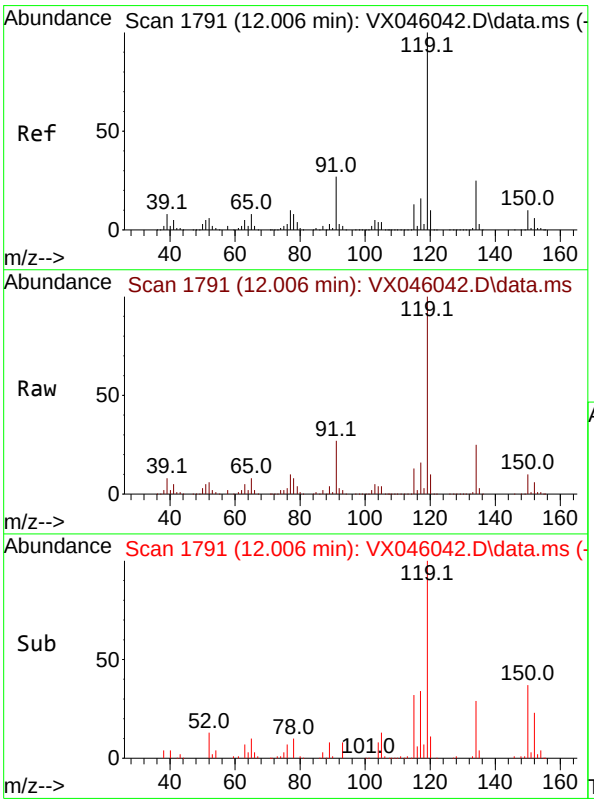
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

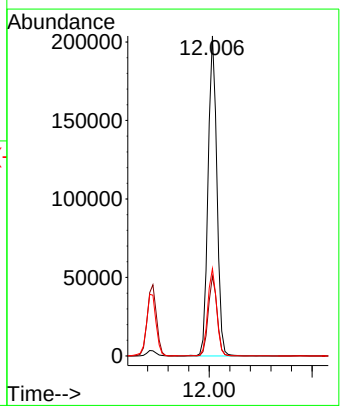


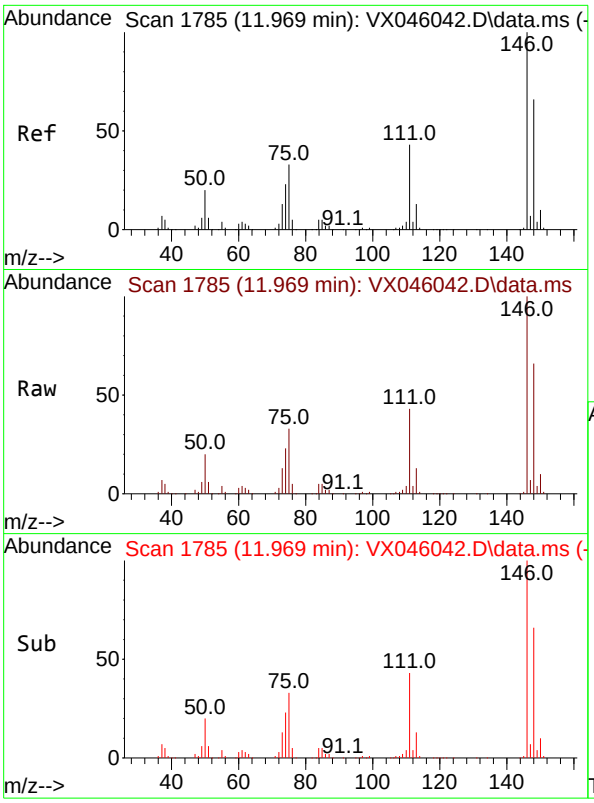


#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 241658

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.6	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 36.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

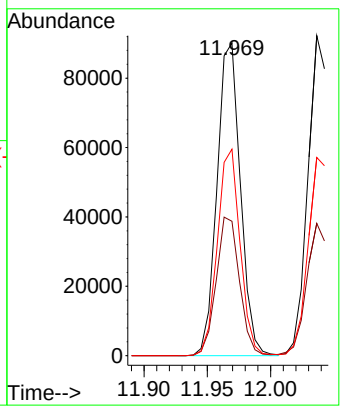
Tgt Ion:146 Resp: 11565

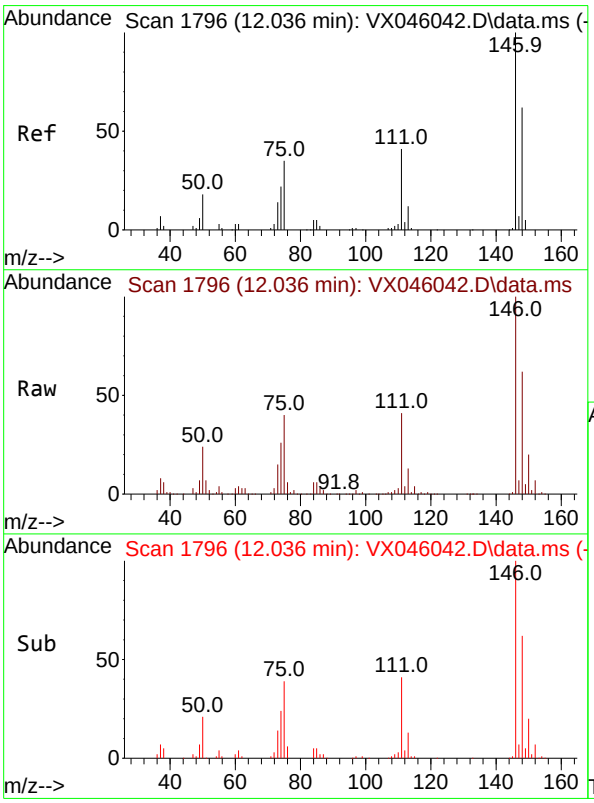
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	64.3	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

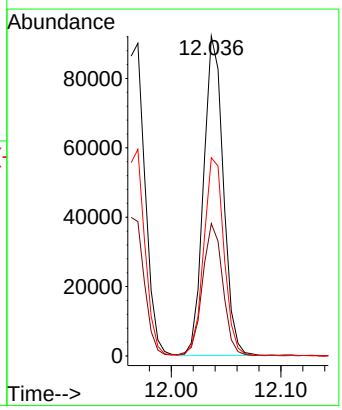


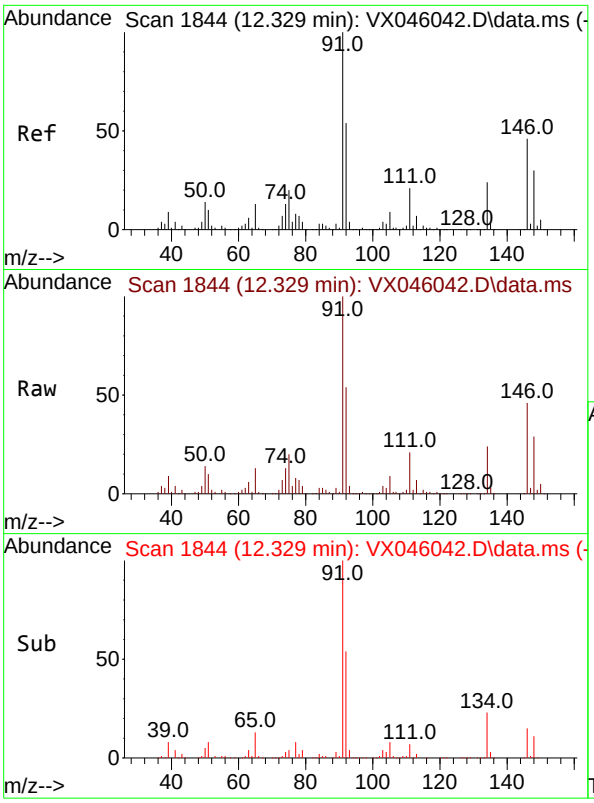


#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 115097

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.7	31.9	95.5

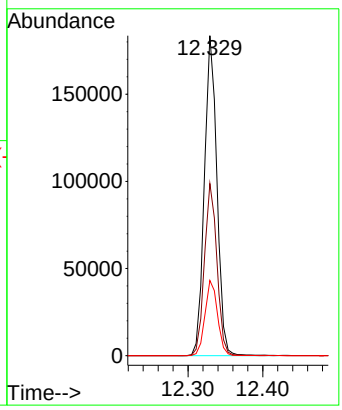




#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 213899

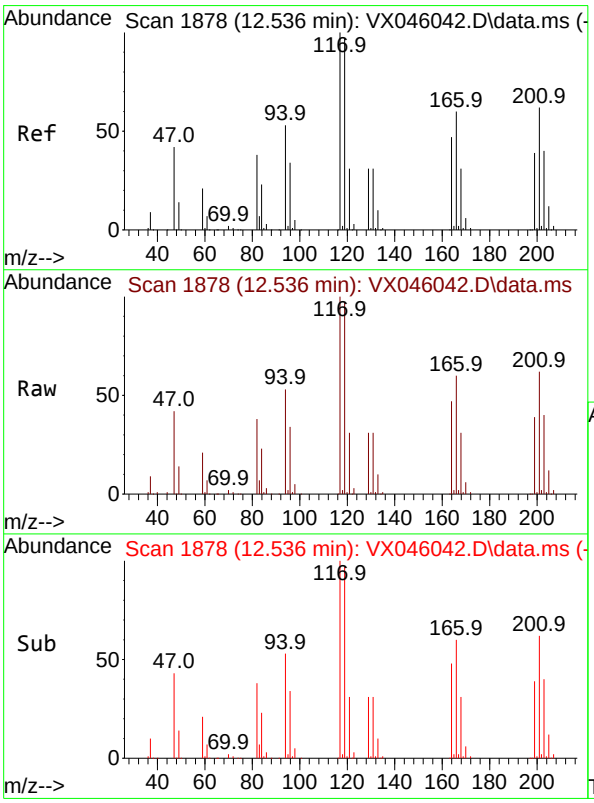
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	23.5	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

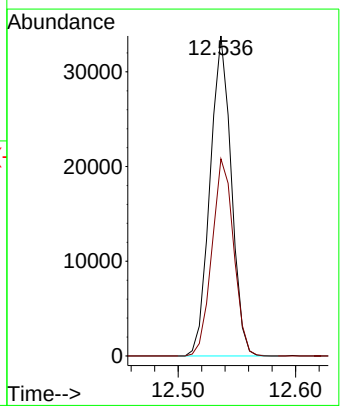
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

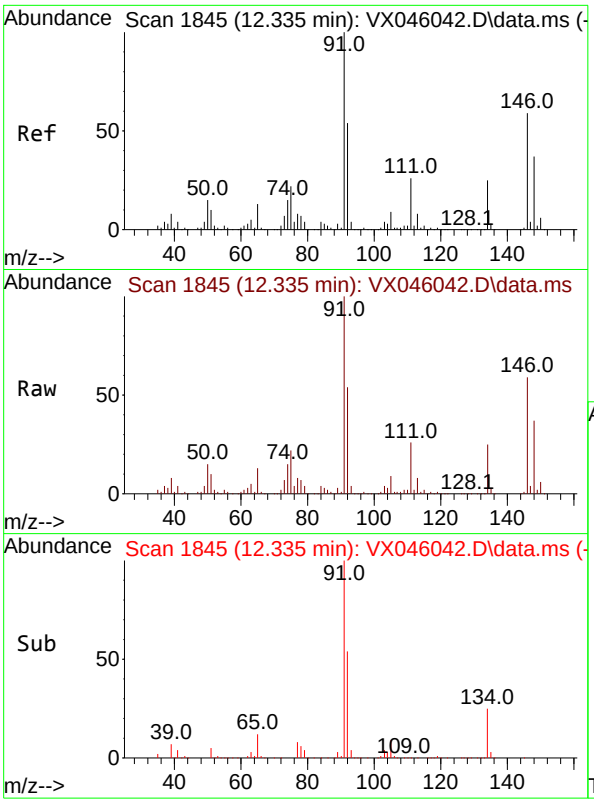


#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7

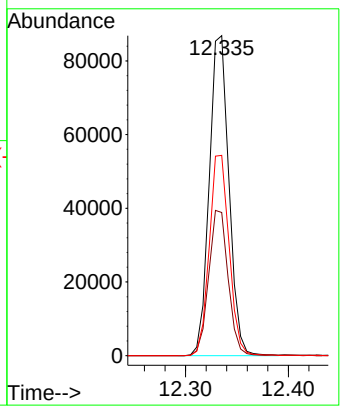




#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 11528

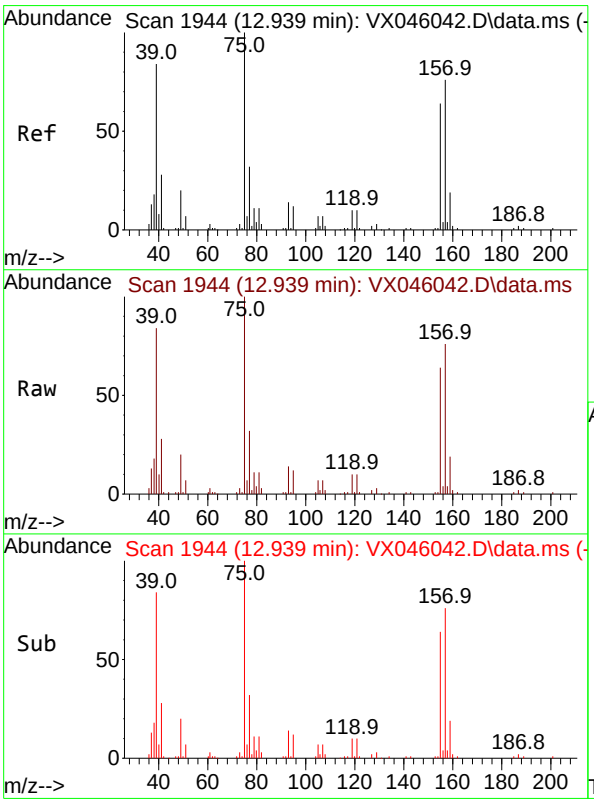
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	63.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

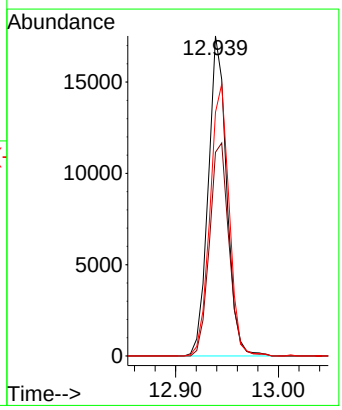
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

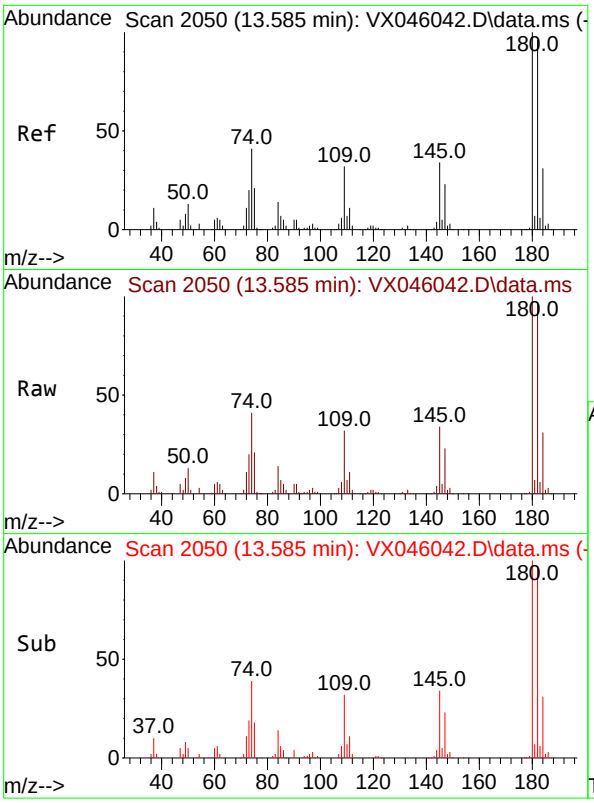


#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 21909

Ion	Ratio	Lower	Upper
75	100		
155	69.9	34.9	104.8
157	87.6	43.8	131.4

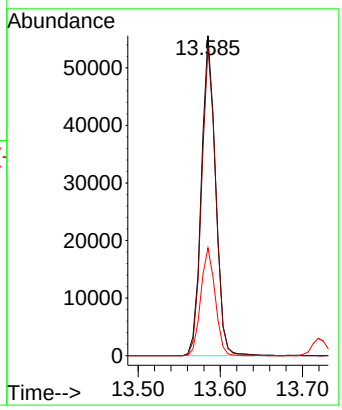




#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 6665

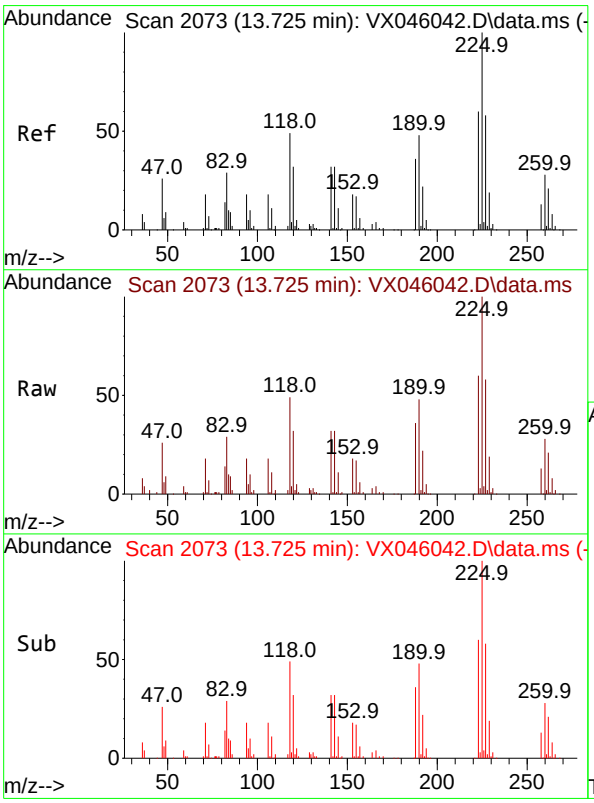
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

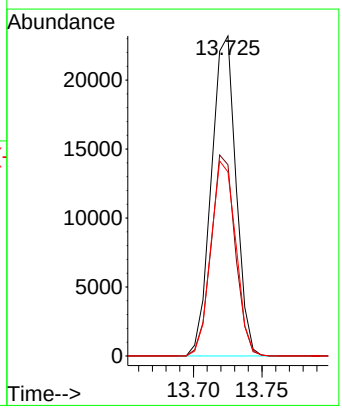
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

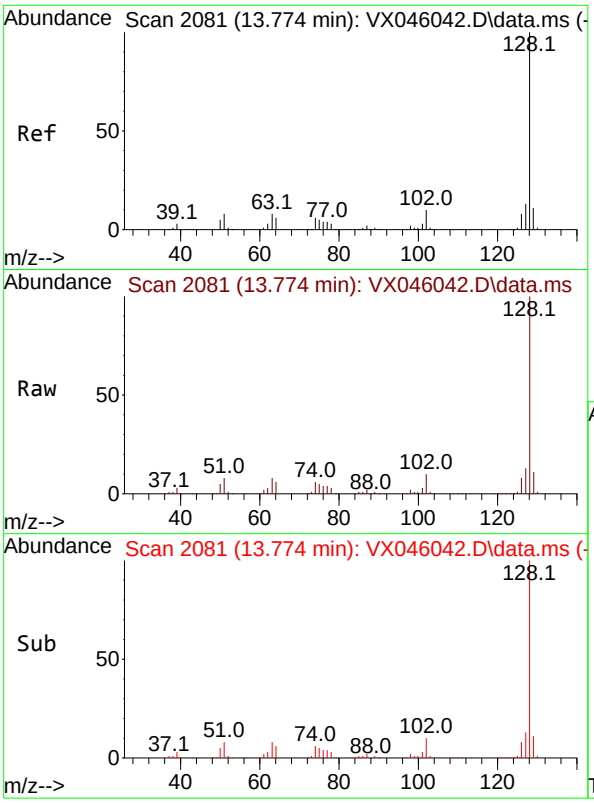


#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:225 Resp: 29007

Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.8	92.4
227	61.8	30.9	92.7

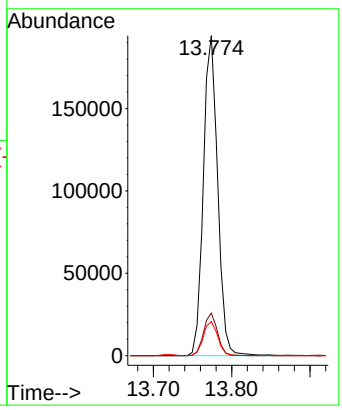




#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:128 Resp: 24556

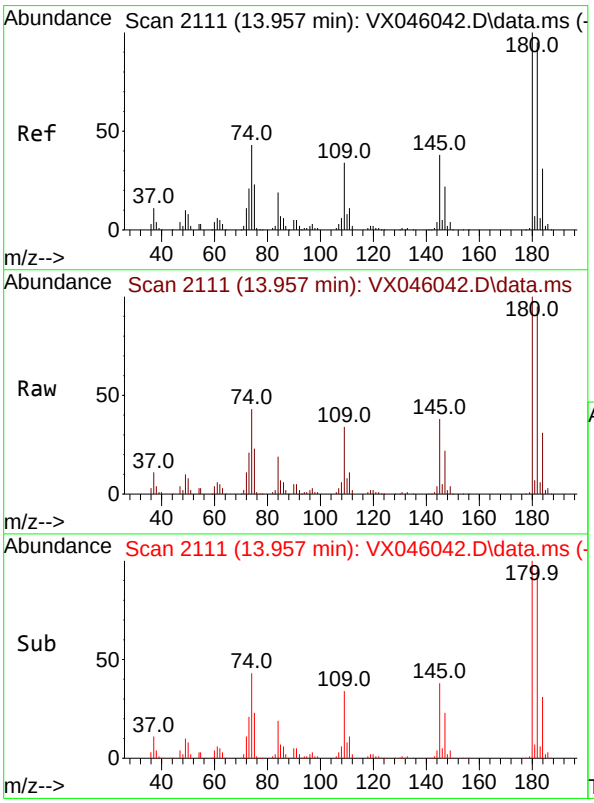
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

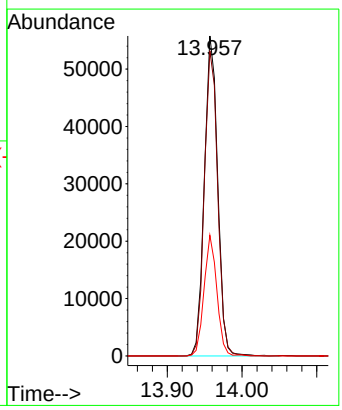
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 69262

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	36.2	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l		98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l		99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l		100
44) Trichloroethene	7.123	130	105628	72.420	ug/l		98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l		100
46) Dibromomethane	7.574	93	85728	70.938	ug/l		100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l		99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l		99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l		100
52) Toluene	8.714	92	270763	74.010	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l		99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l		100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l		100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l		98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l		98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l		96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l		99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l		99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l		99
69) o-Xylene	10.640	106	190833	73.890	ug/l		97
70) Styrene	10.652	104	328195	79.411	ug/l		100
71) Bromoform	10.799	173	84353	80.927	ug/l	#	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l		100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l		
77) Bromobenzene	11.195	156	117151	69.959	ug/l		99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l		100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l		93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l		100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l		100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l		100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l		99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l		100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l		98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l		98
95) Naphthalene	13.774	128	489778	80.842	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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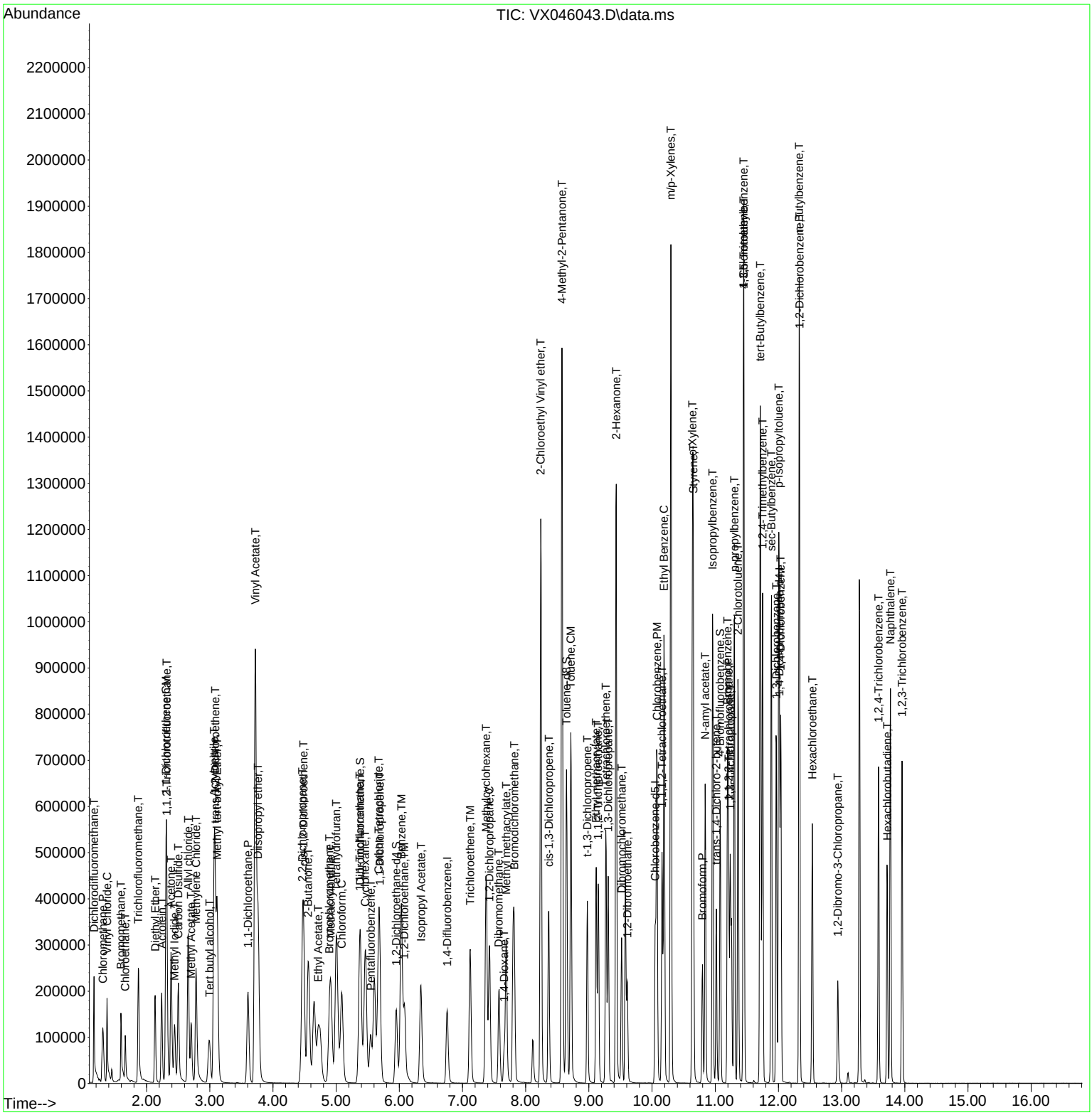
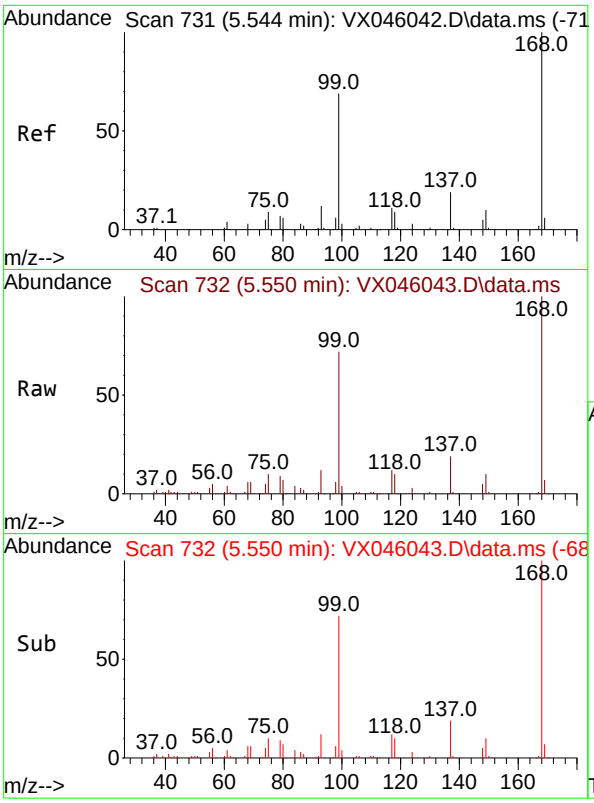
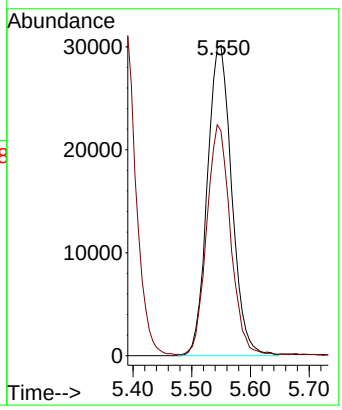




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:168 Resp: 8702

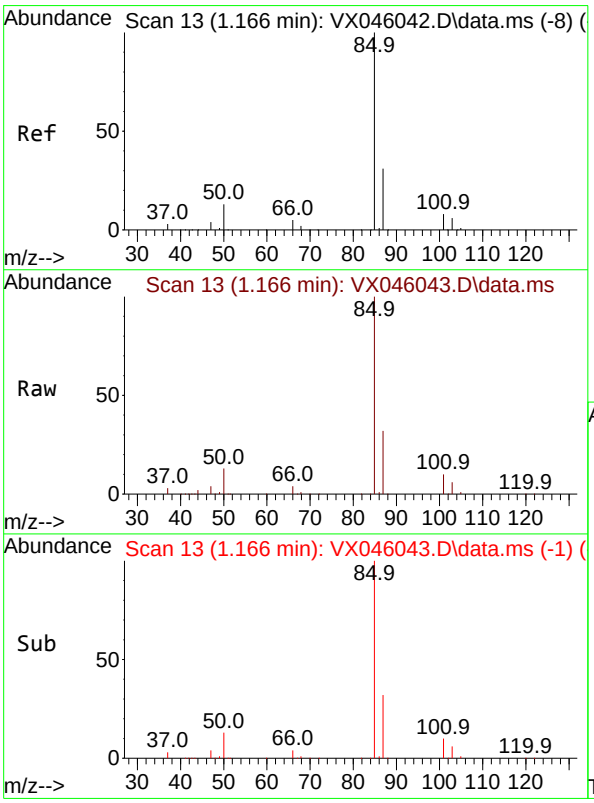
Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

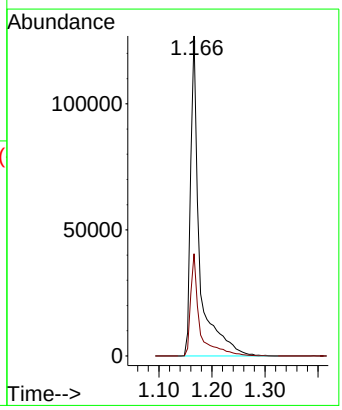
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

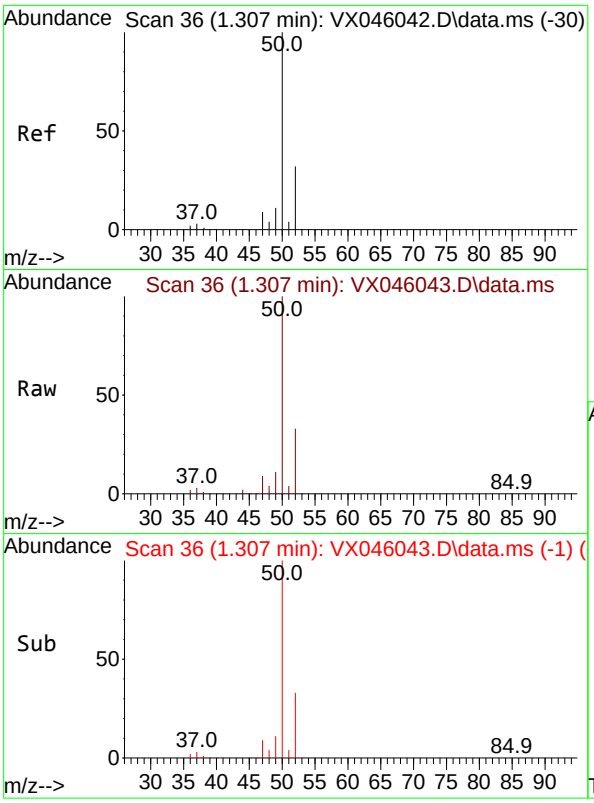


#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1

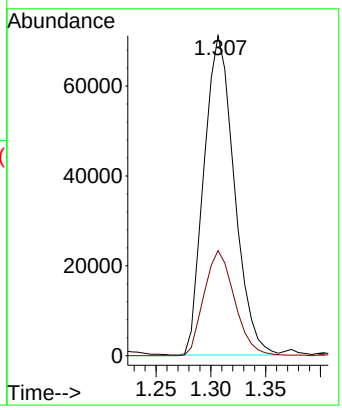




#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 50 Resp: 13693

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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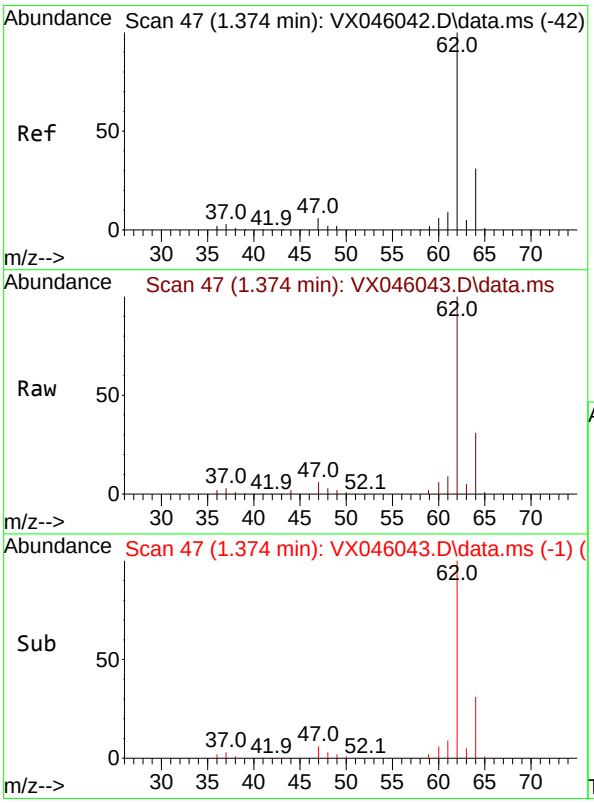
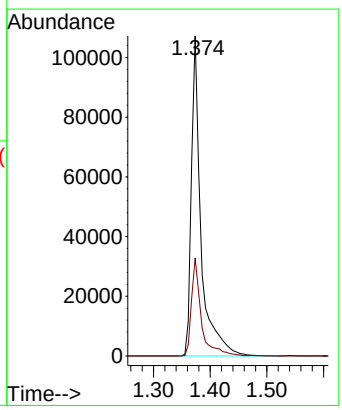
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

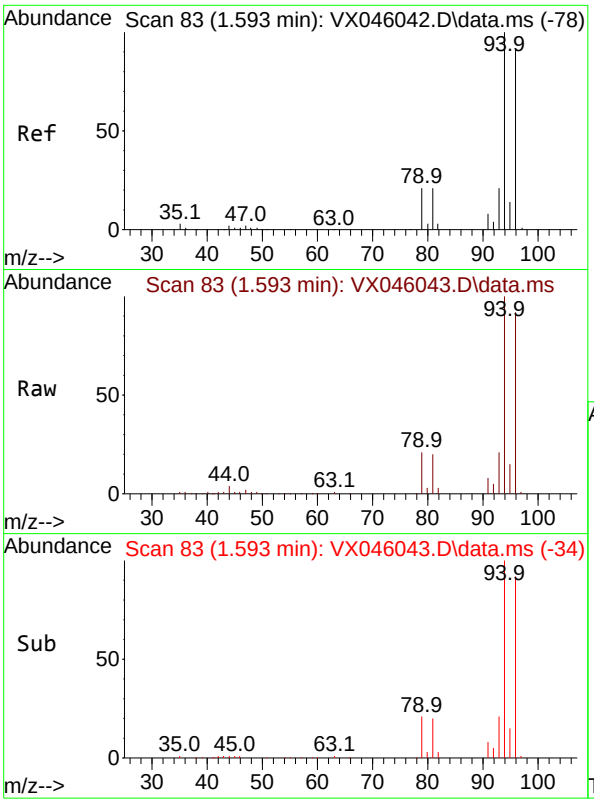


#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8

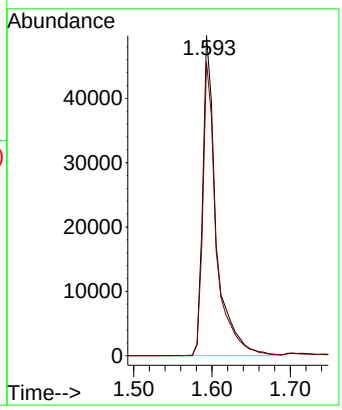




#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 94 Resp: 5924

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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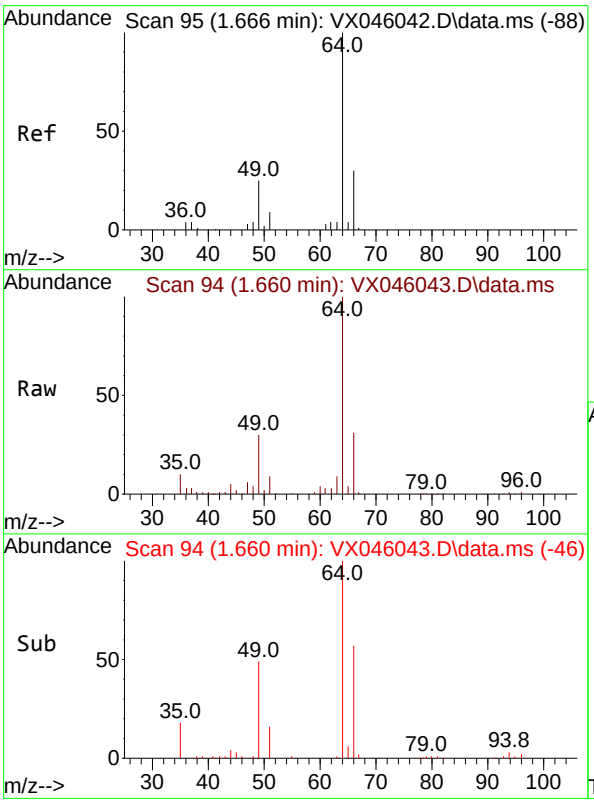
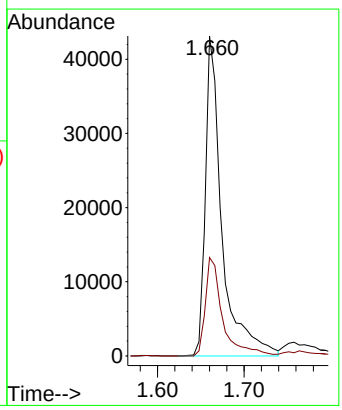
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

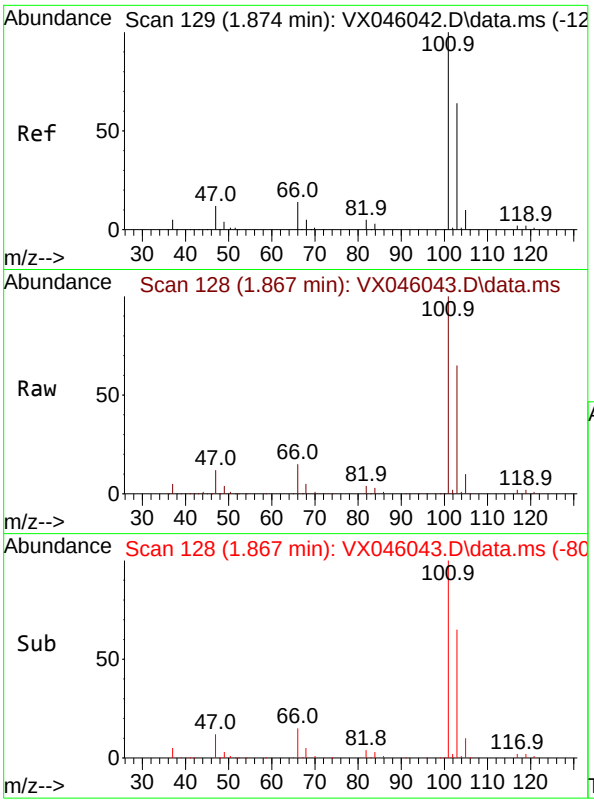


#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 64 Resp: 57332

Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.3	36.5





#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

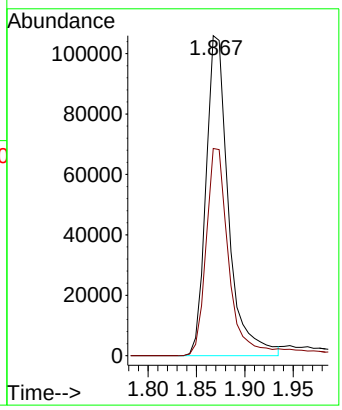
Tgt Ion:101 Resp: 17104

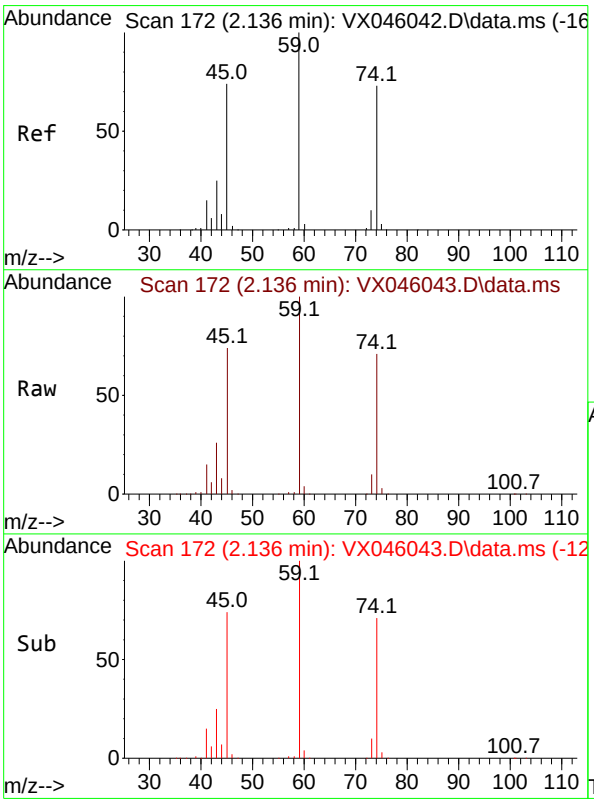
Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

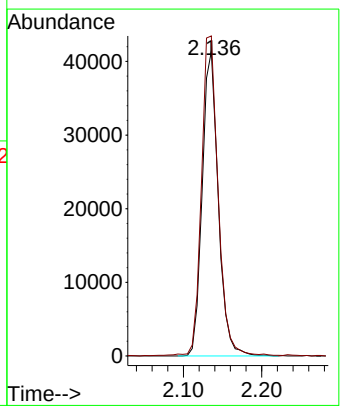


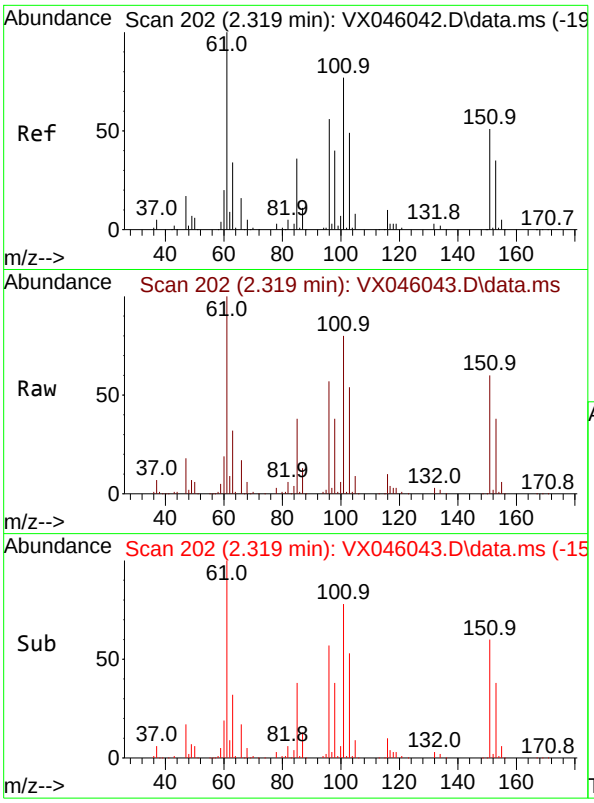


#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 74 Resp: 58762

Ion	Ratio	Lower	Upper
74	100		
45	110.1	54.9	164.8

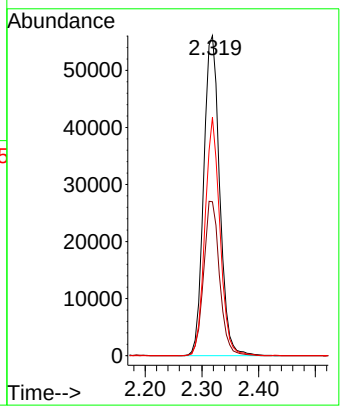




#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:101 Resp: 10952

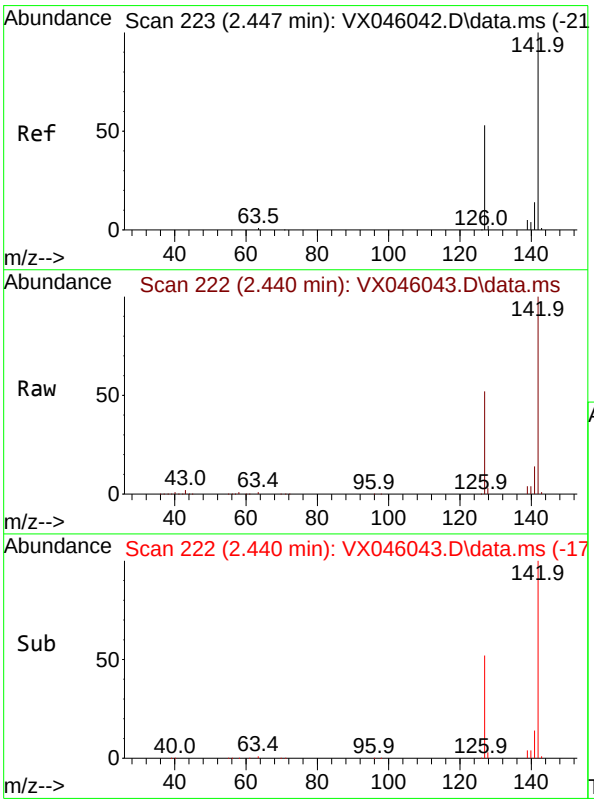
Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.6	58.0
151	69.9	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

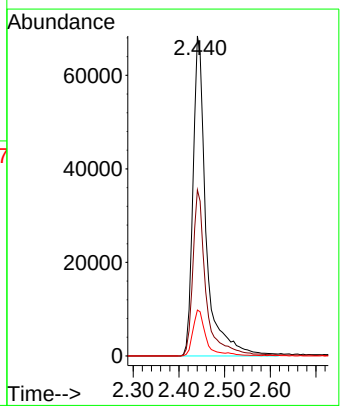
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

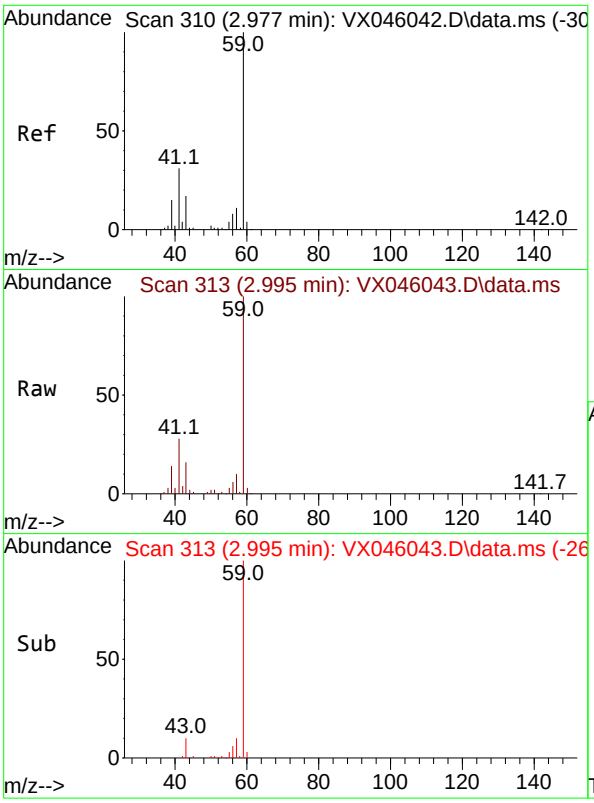


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:142 Resp: 138045

Ion	Ratio	Lower	Upper
142	100		
127	52.0	41.7	62.5
141	14.5	11.5	17.3





#11
Tert butyl alcohol
Concen: 405.394 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

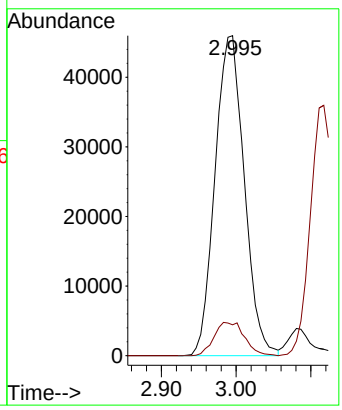
Tgt Ion: 59 Resp: 12509

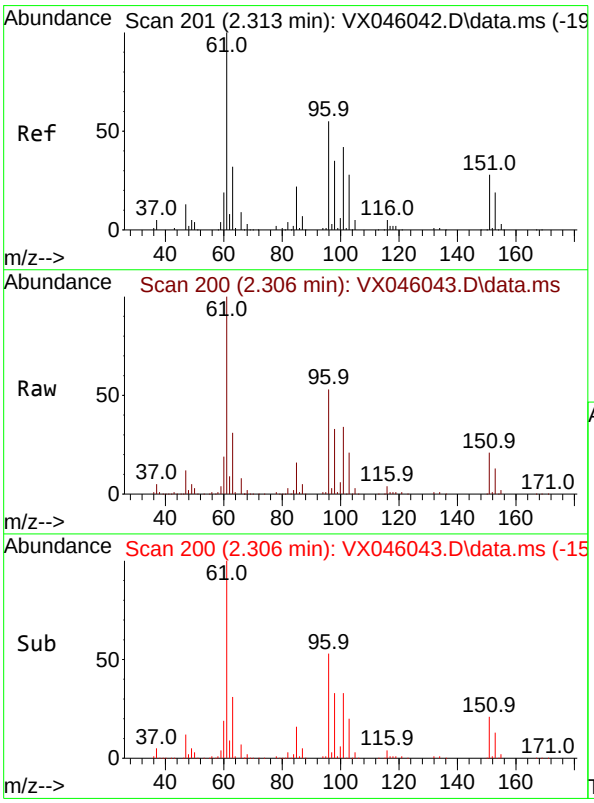
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

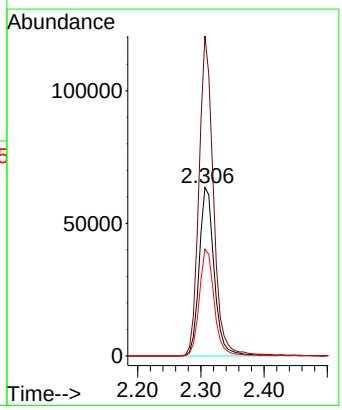


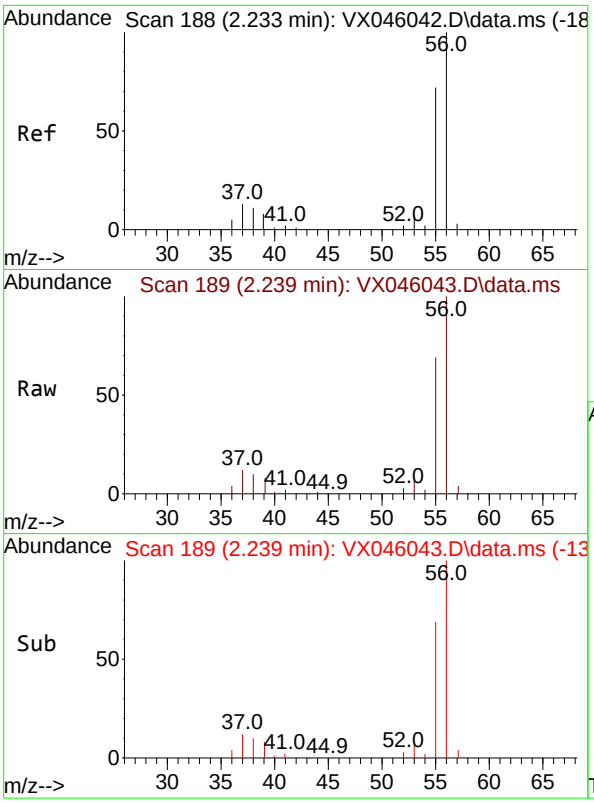


#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 105566

Ion	Ratio	Lower	Upper
96	100		
61	189.9	146.2	219.2
98	63.3	51.0	76.6

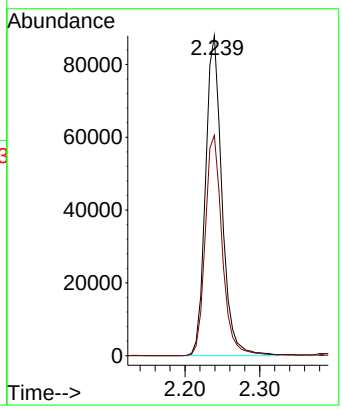




#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 56 Resp: 13445

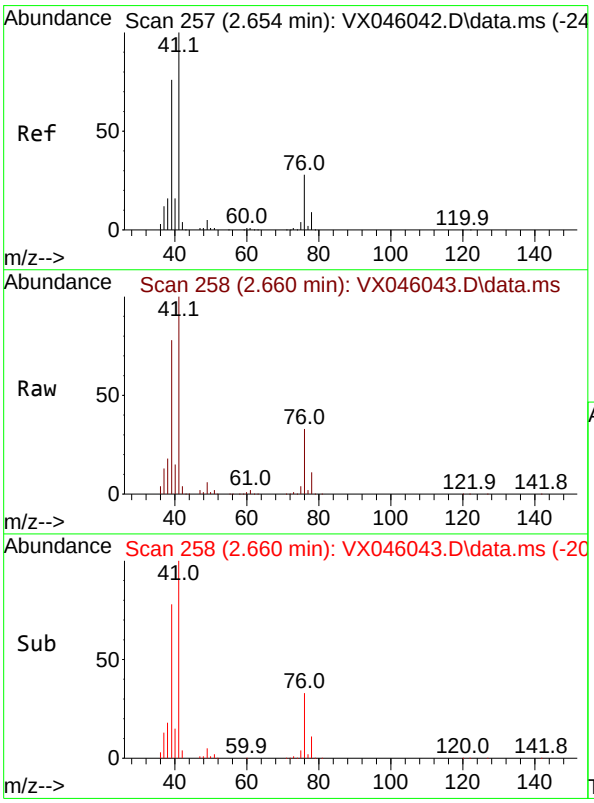
Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

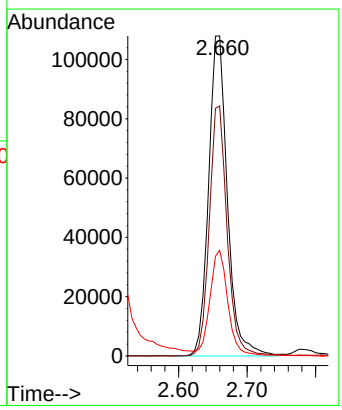
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

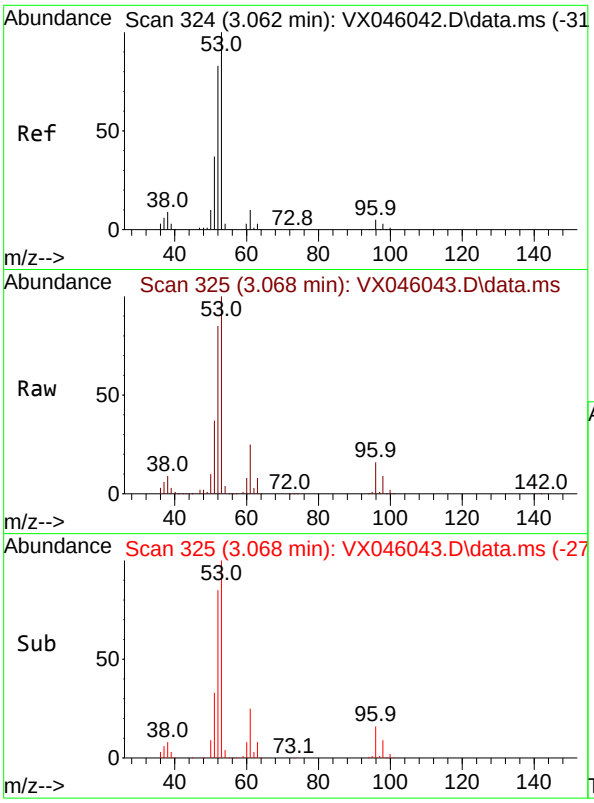


#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 206519

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.6	90.8
76	31.4	24.9	37.3

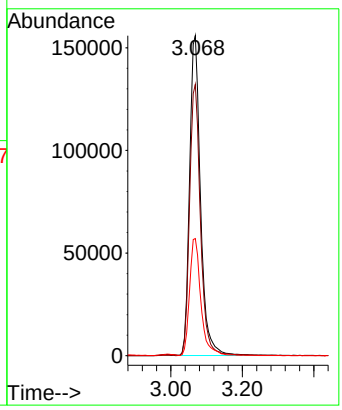




#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 53 Resp: 33114

Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.3	97.9
51	37.9	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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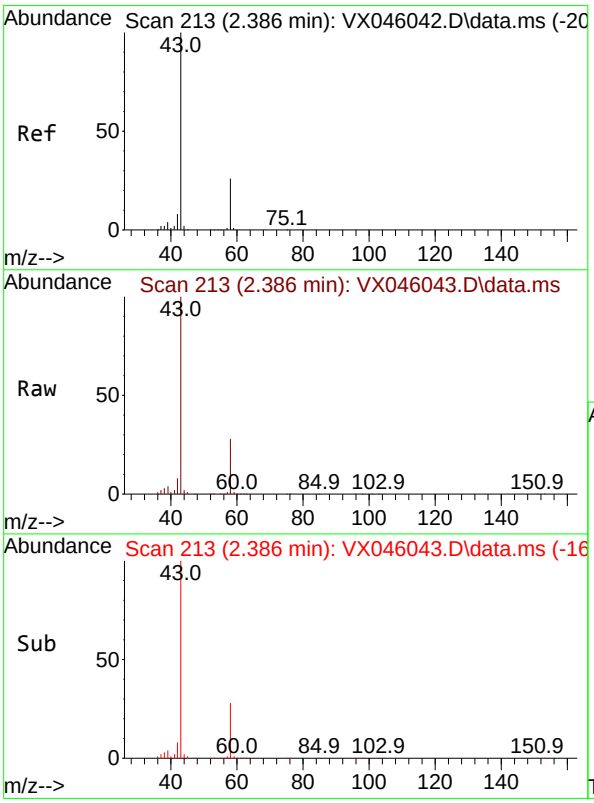
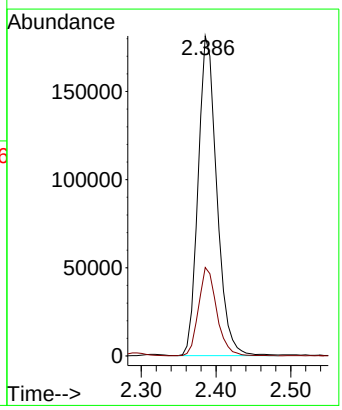
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

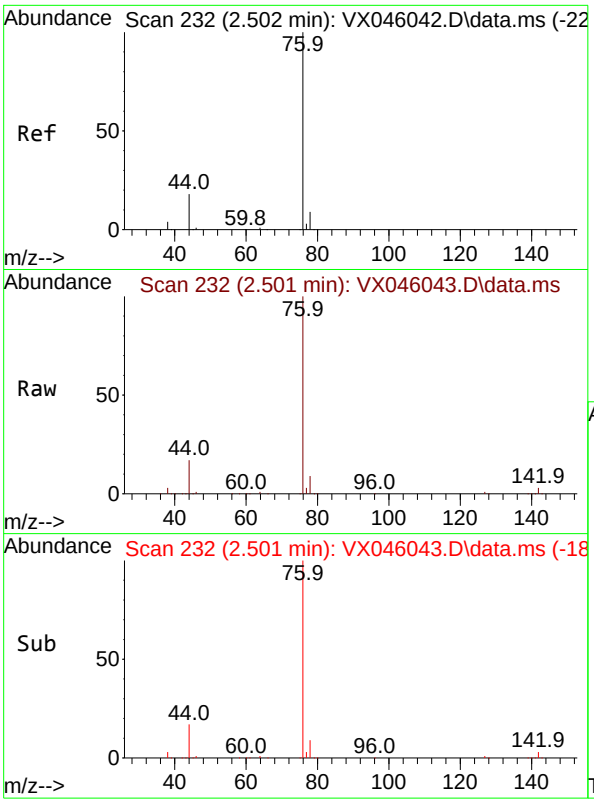


#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8

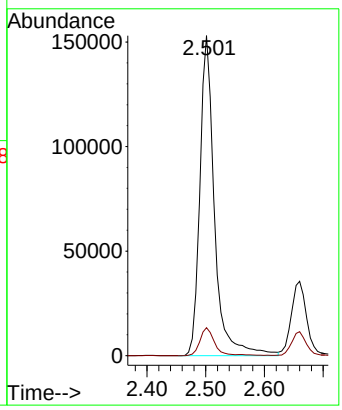




#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 26495

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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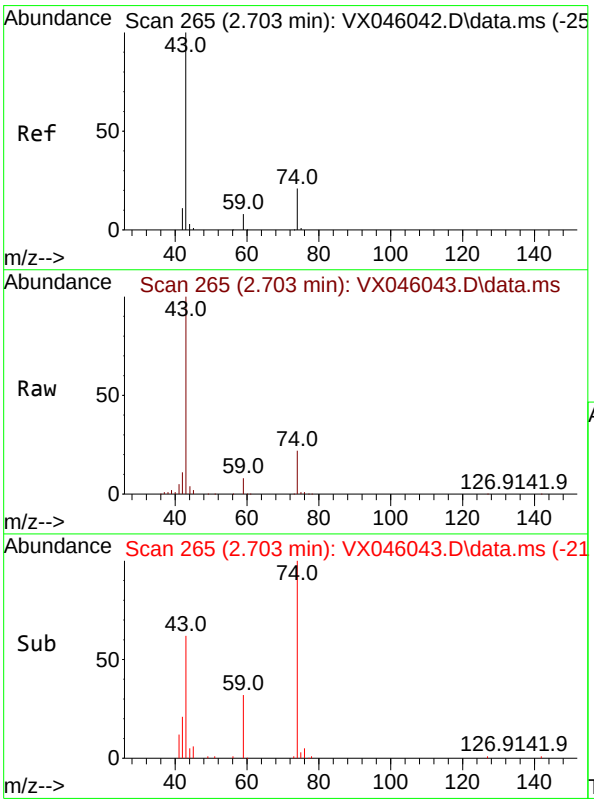
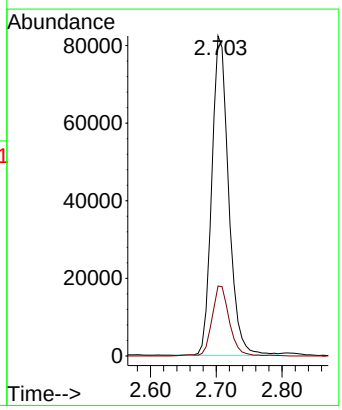
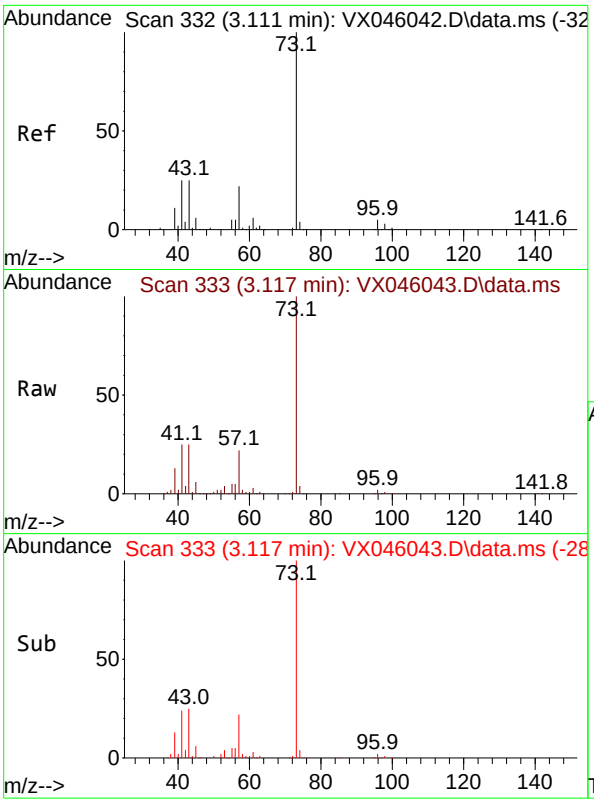


#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 147014

Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 73 Resp: 37811

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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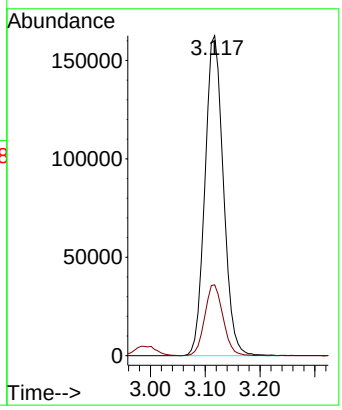
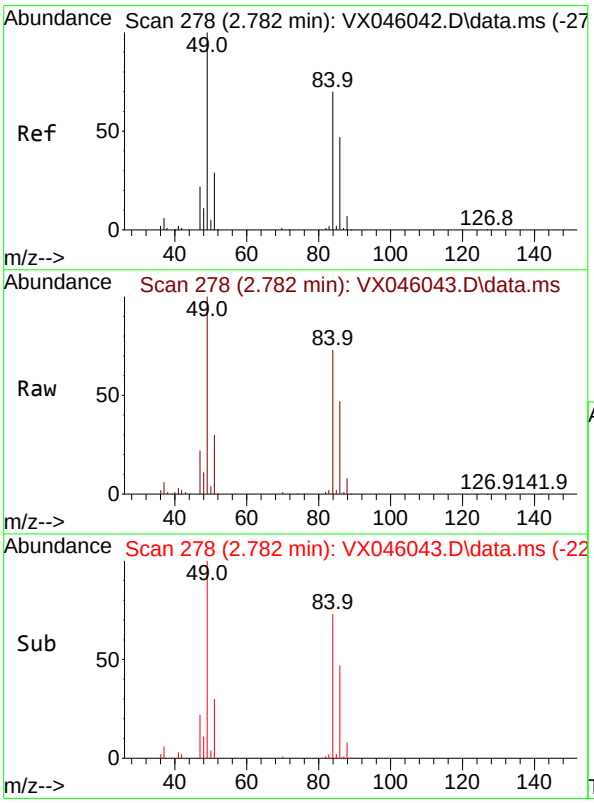
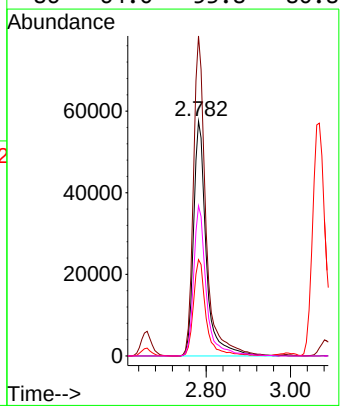


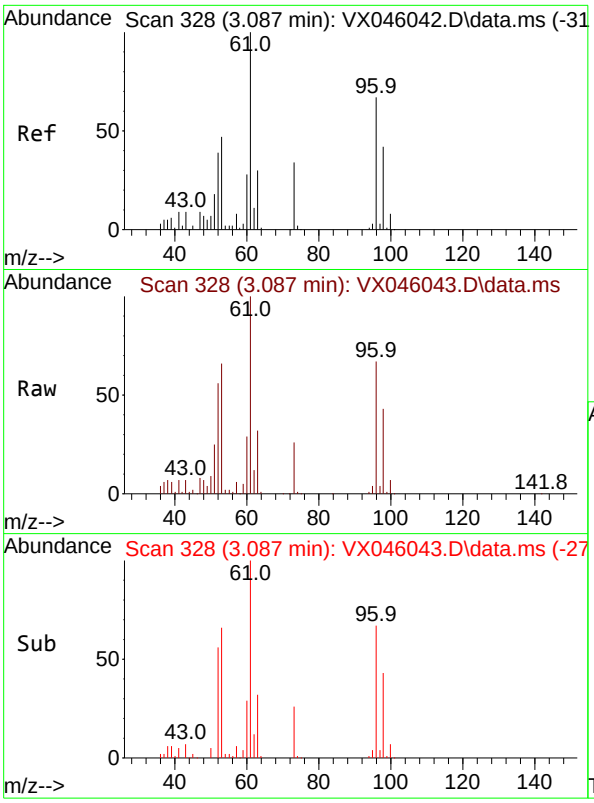


#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 84 Resp: 120270

Ion	Ratio	Lower	Upper
84	100		
49	136.4	113.9	170.9
51	41.1	33.5	50.3
86	64.0	53.8	80.8

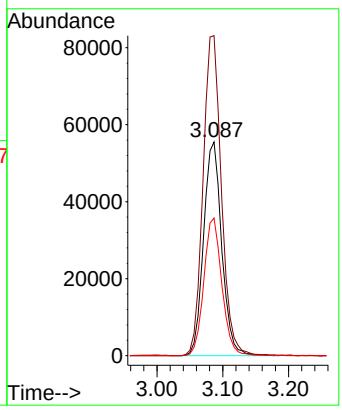




#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 10660

Ion	Ratio	Lower	Upper
96	100		
61	149.7	119.5	179.3
98	64.4	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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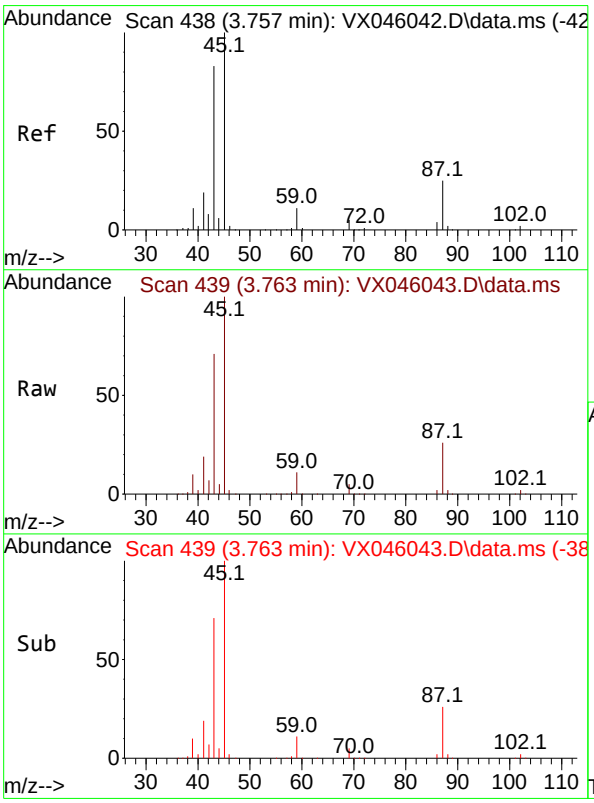
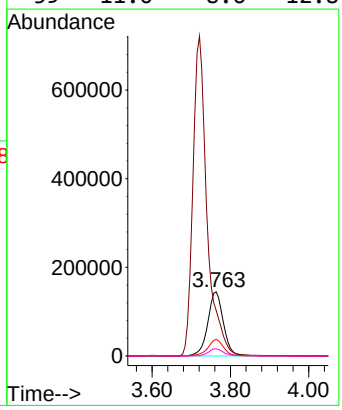
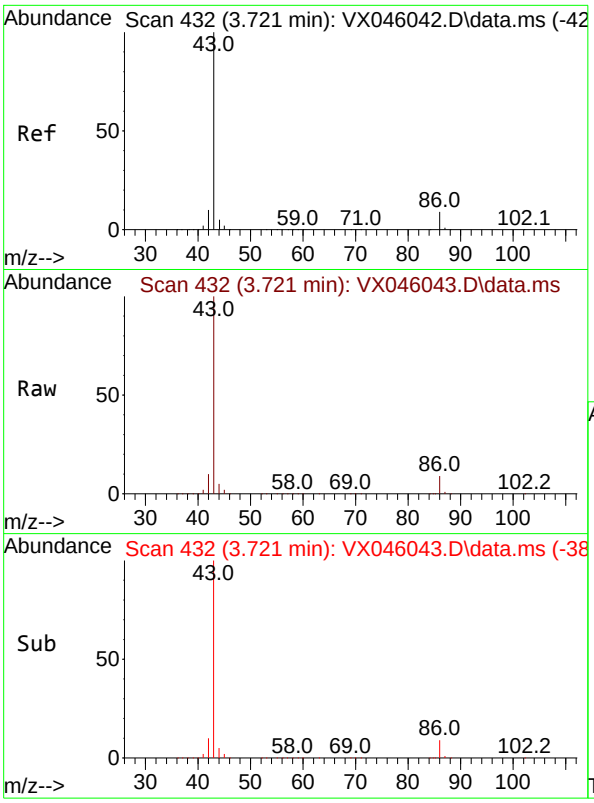


#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 45 Resp: 399494

Ion	Ratio	Lower	Upper
45	100		
43	71.2	66.6	100.0
87	25.7	19.8	29.6
59	11.0	8.6	12.8

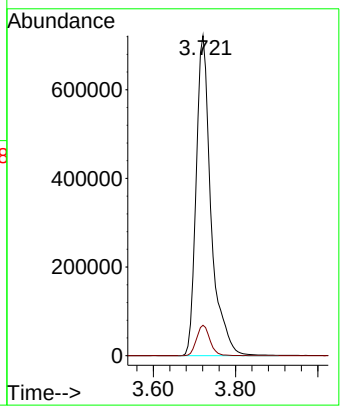




#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 181155

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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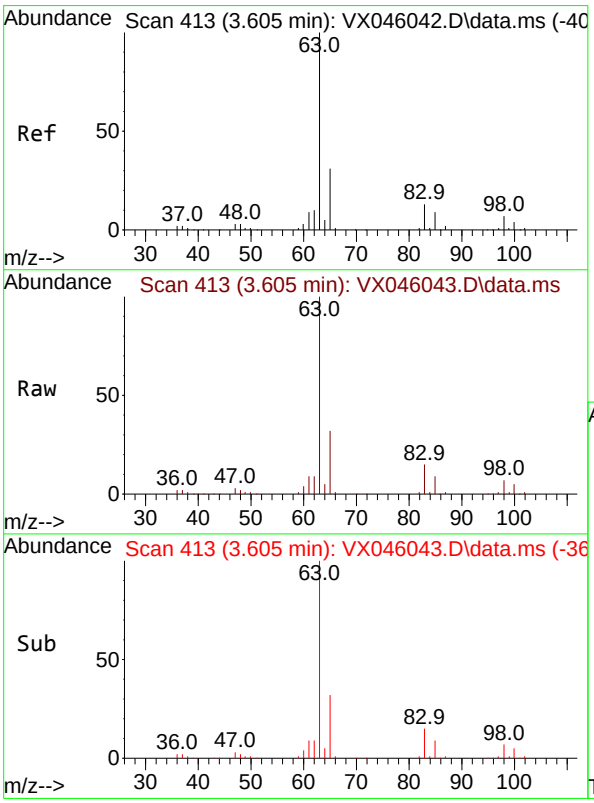
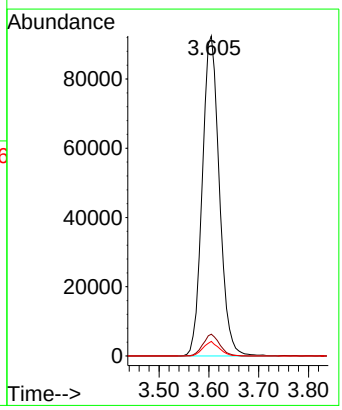
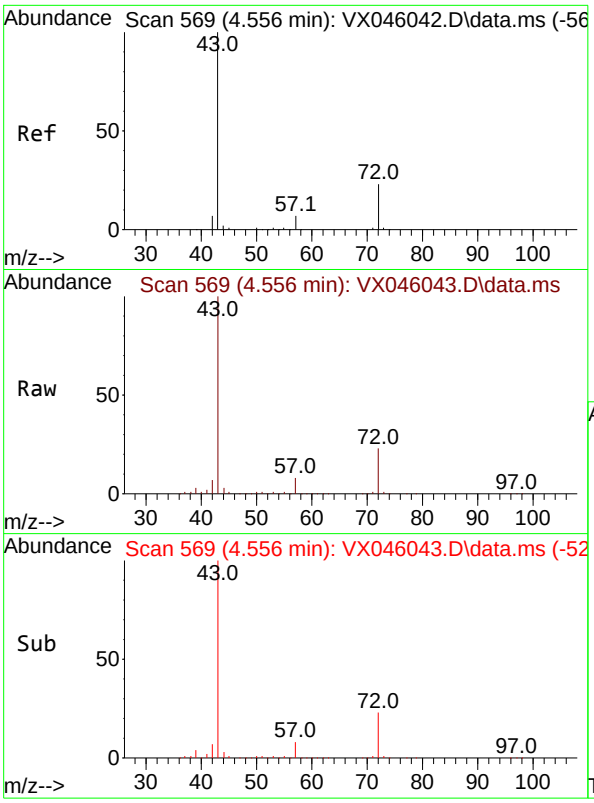


#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 219759

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.5	2.1	6.3

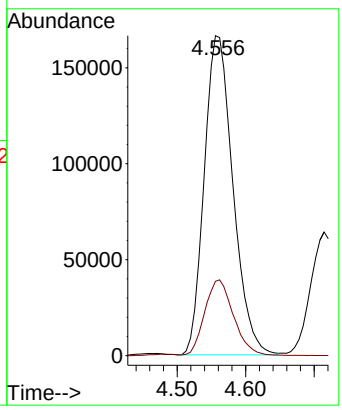




#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 48544

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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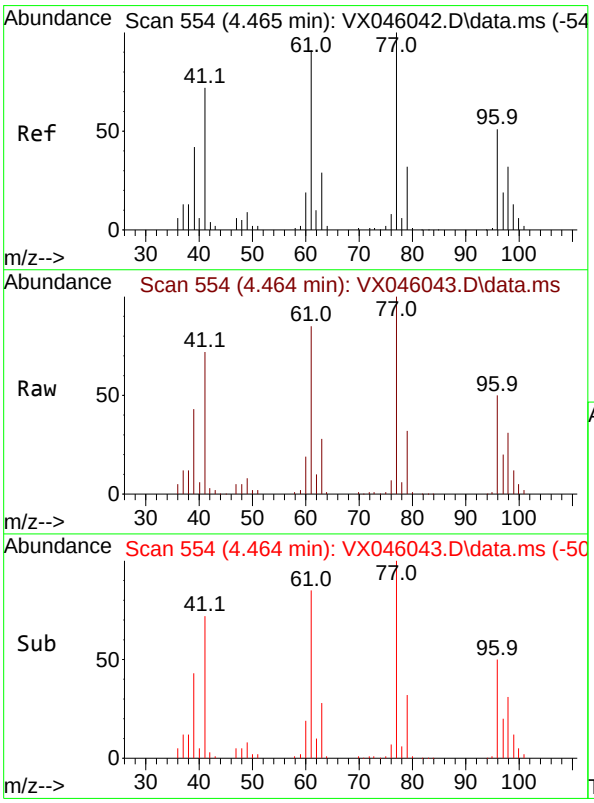
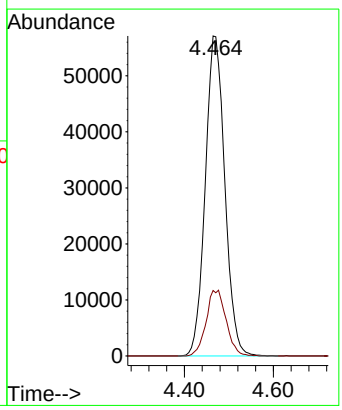
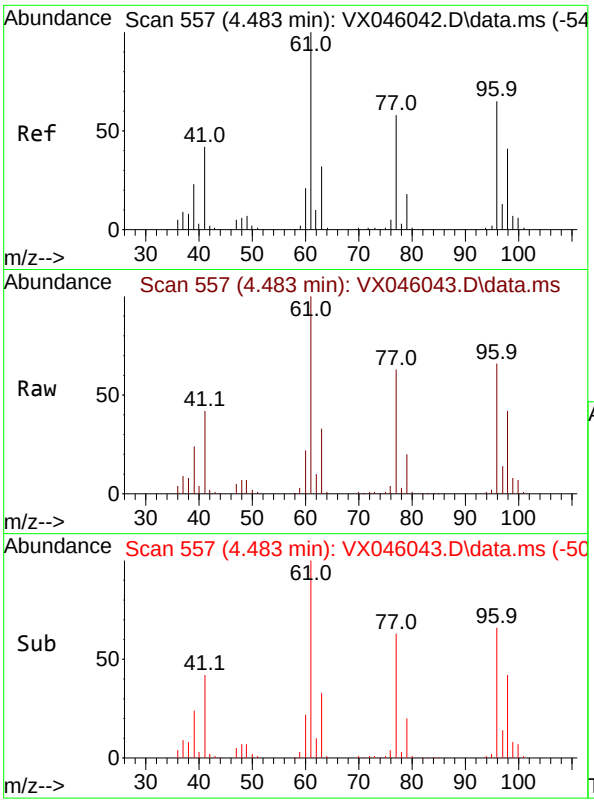


#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 77 Resp: 174579

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 71.056 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 12845

Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	322.8
98	64.9	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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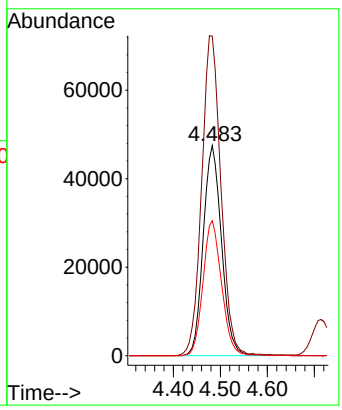
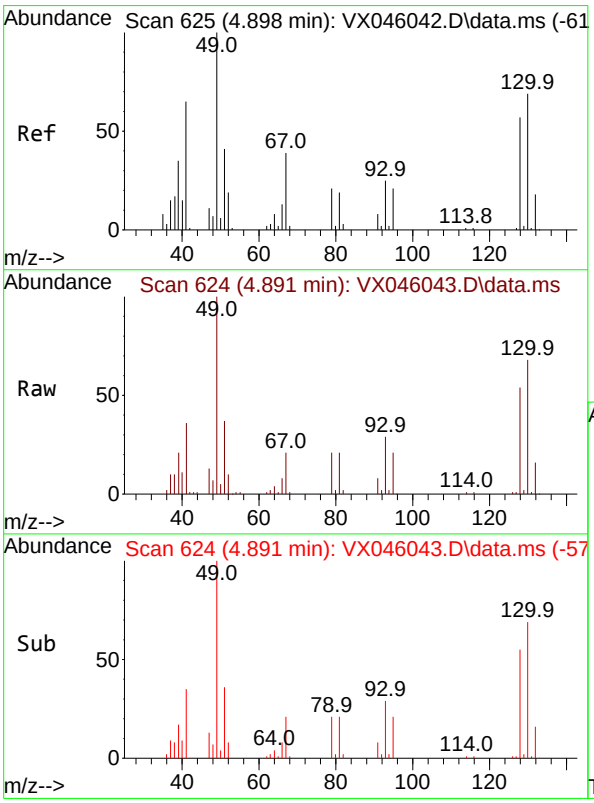
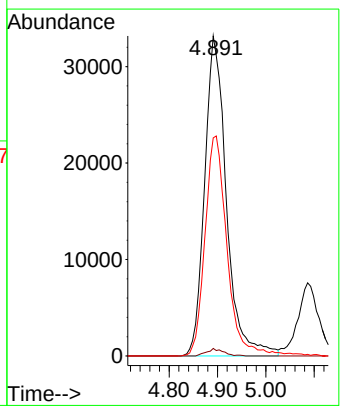


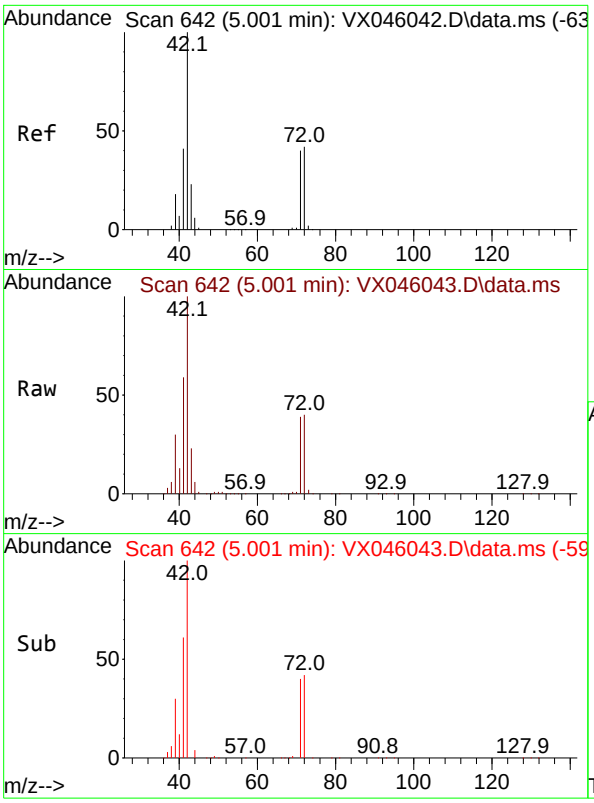


#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 49 Resp: 103602

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.1	56.2	84.2





#29
Tetrahydrofuran
Concen: 368.234 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 42 Resp: 30575

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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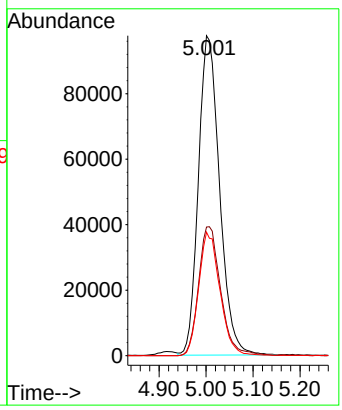
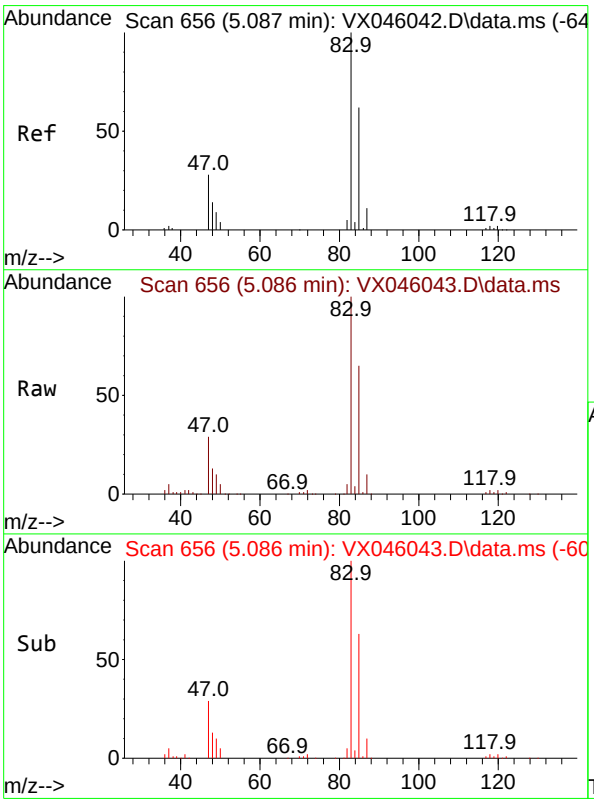
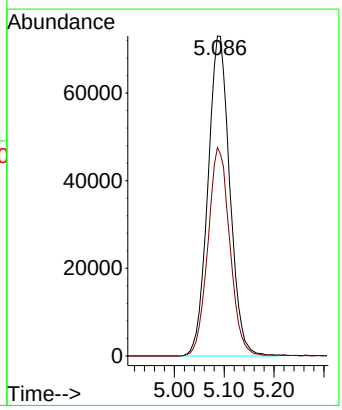


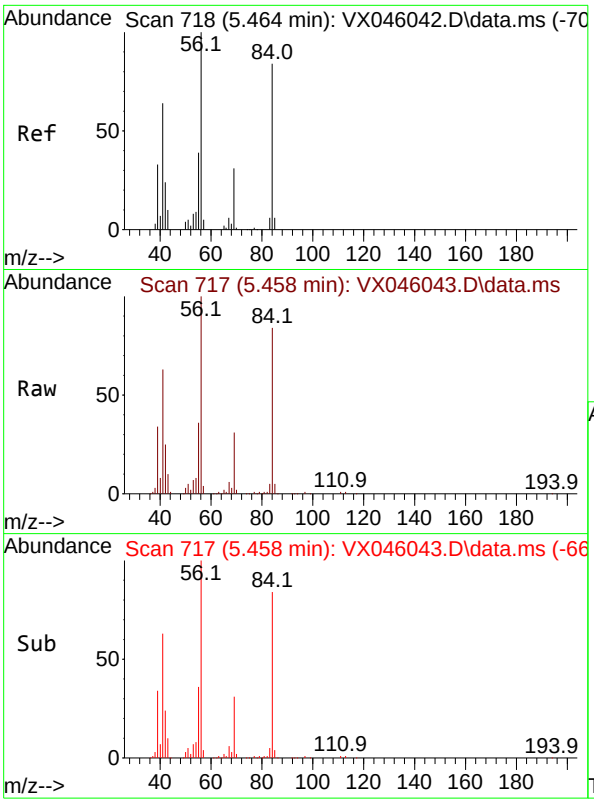


#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9





#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 56 Resp: 19630

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.3	66.9	100.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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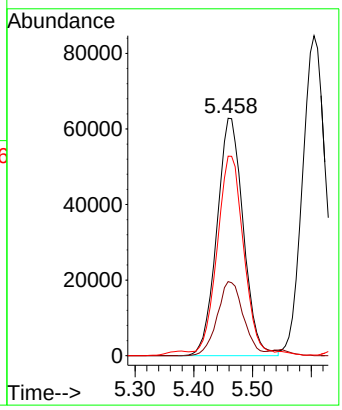
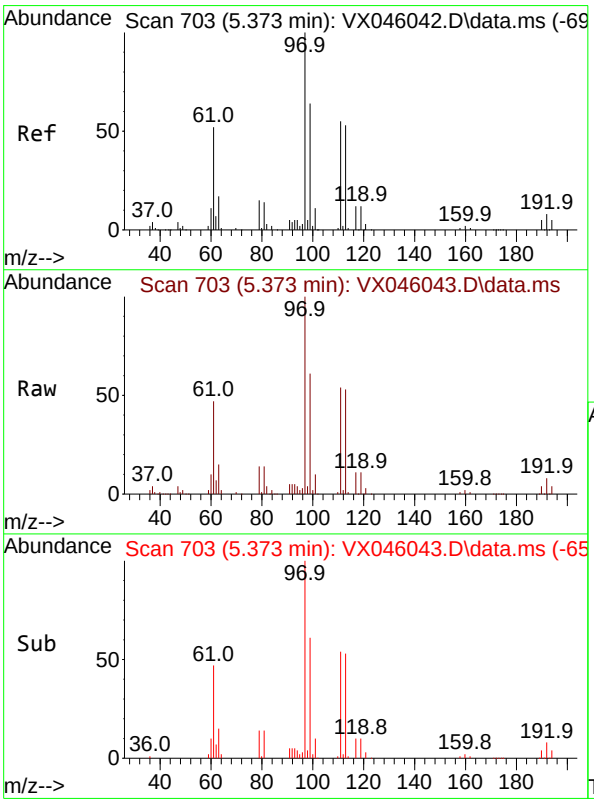
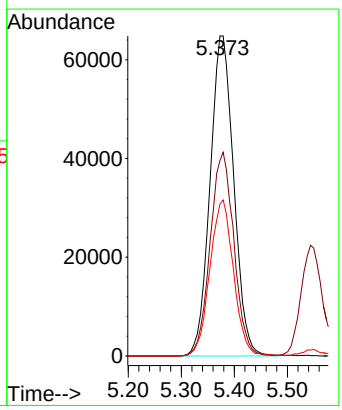


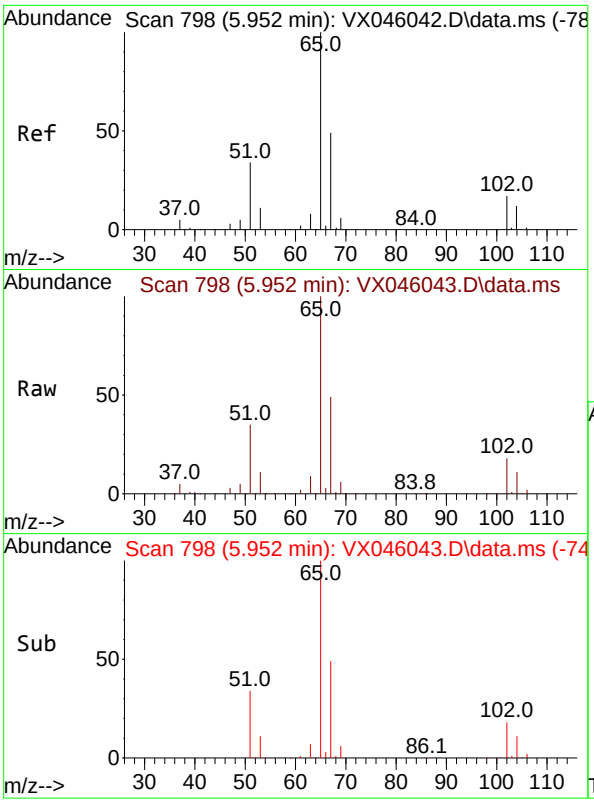


#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 201112

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	48.7	40.1	60.1

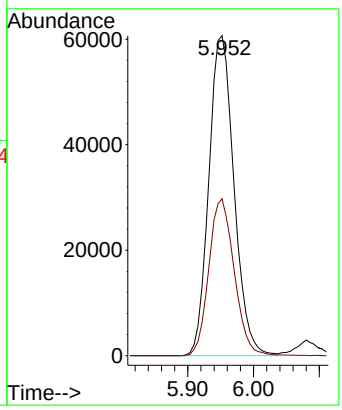




#33
1,2-Dichloroethane-d4
Concen: 62.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 65 Resp: 16187

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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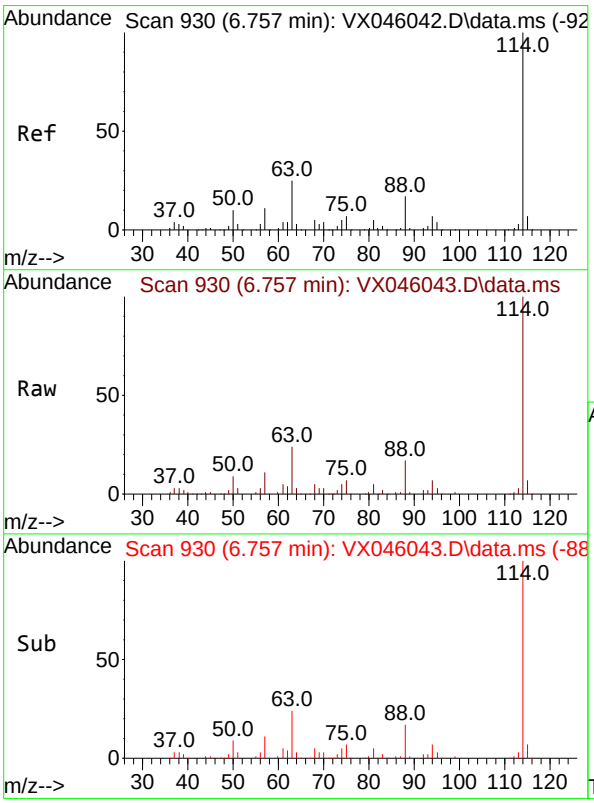
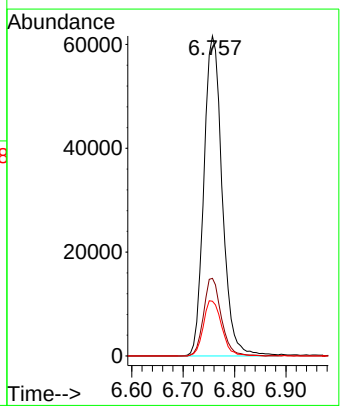
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

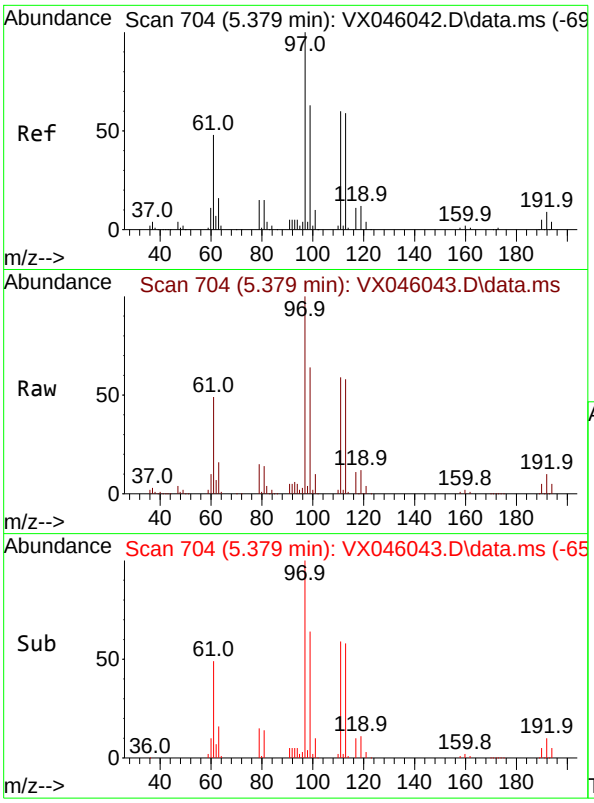


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:114 Resp: 152958

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	17.1	0.0	33.6





#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:113 Resp: 11145

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	16.6	13.3	19.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 05/06/2025
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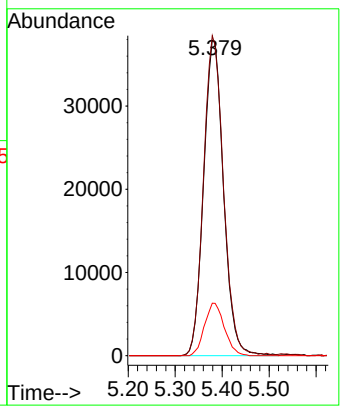
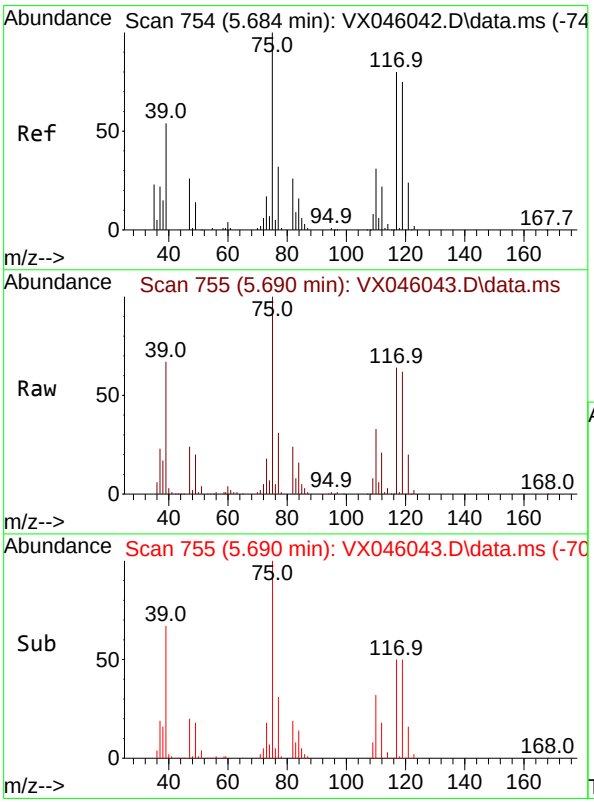
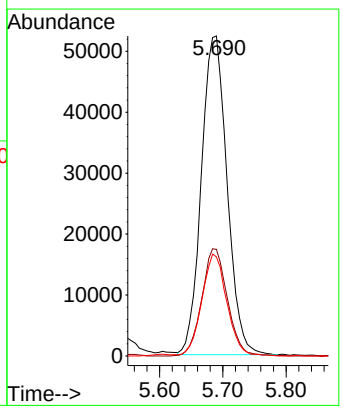


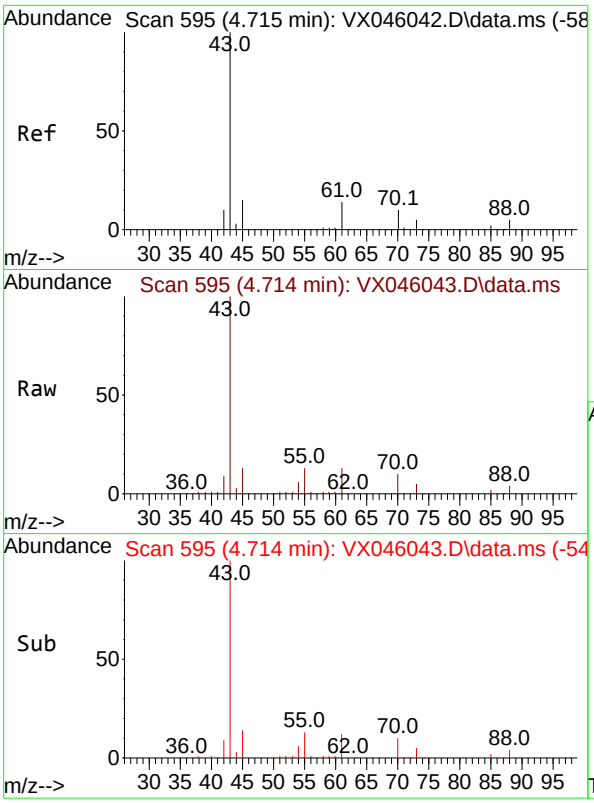


#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 147873

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.3	48.9
77	31.1	24.3	36.5

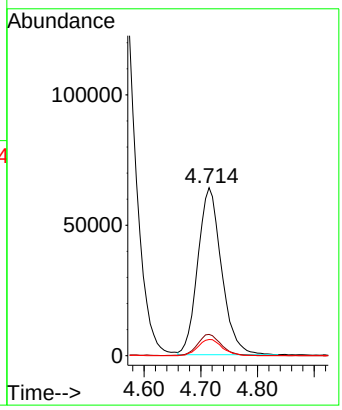




#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 18621

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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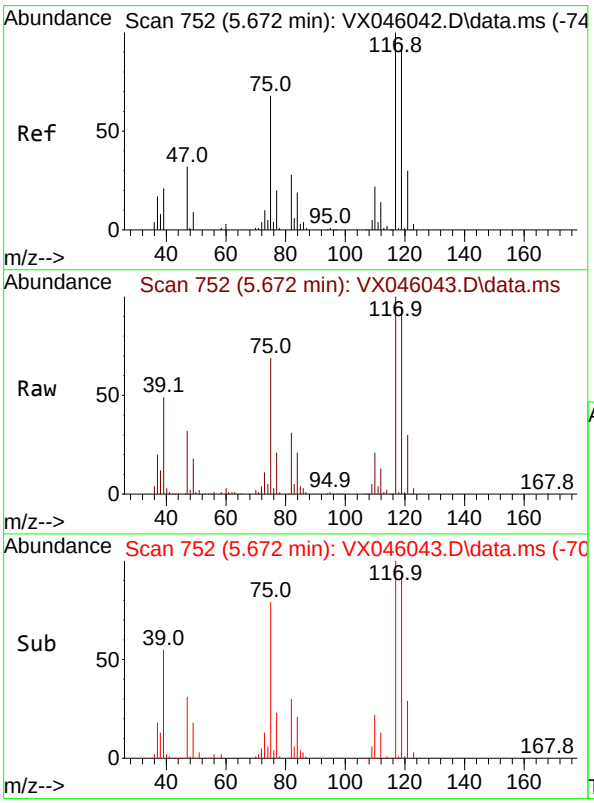
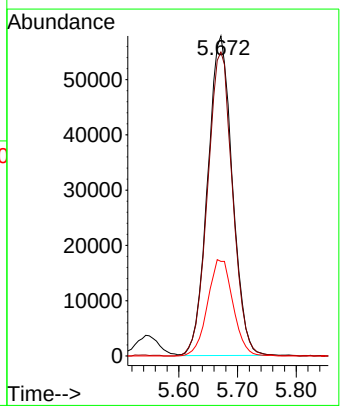
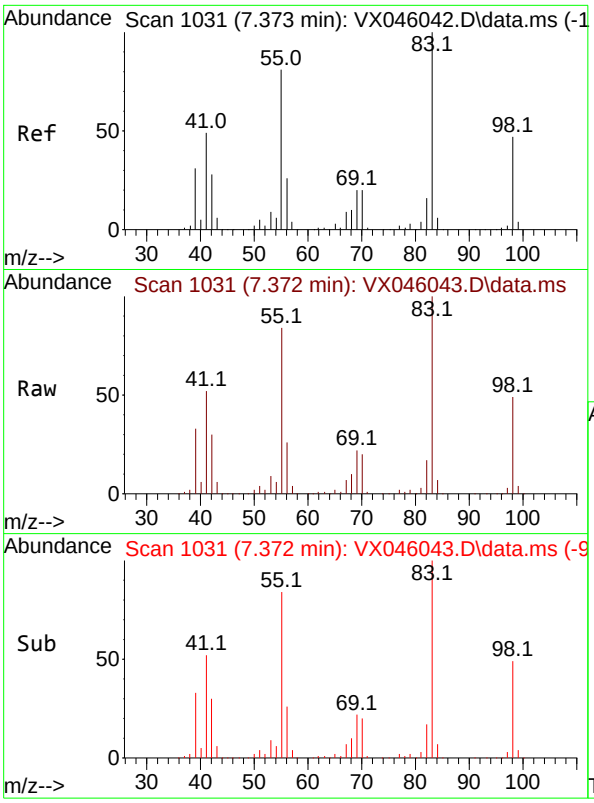


#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 168946

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.2	112.8
121	29.6	24.2	36.4





#39
Methylcyclohexane
Concen: 76.952 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 19194

Ion	Ratio	Lower	Upper
83	100		
55	84.2	64.7	97.1
98	49.0	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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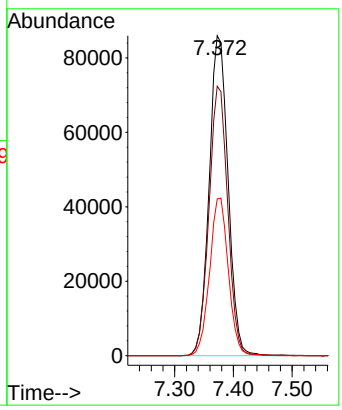
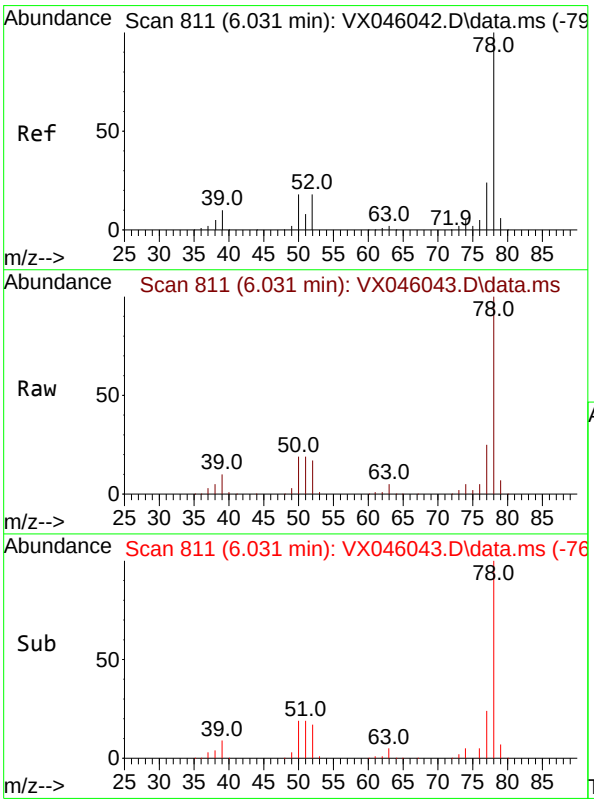
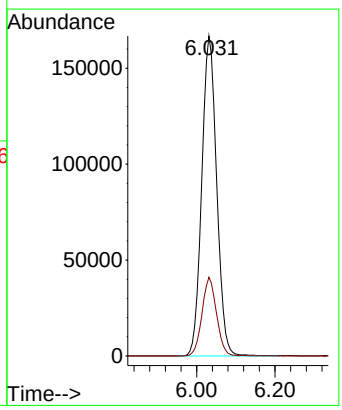


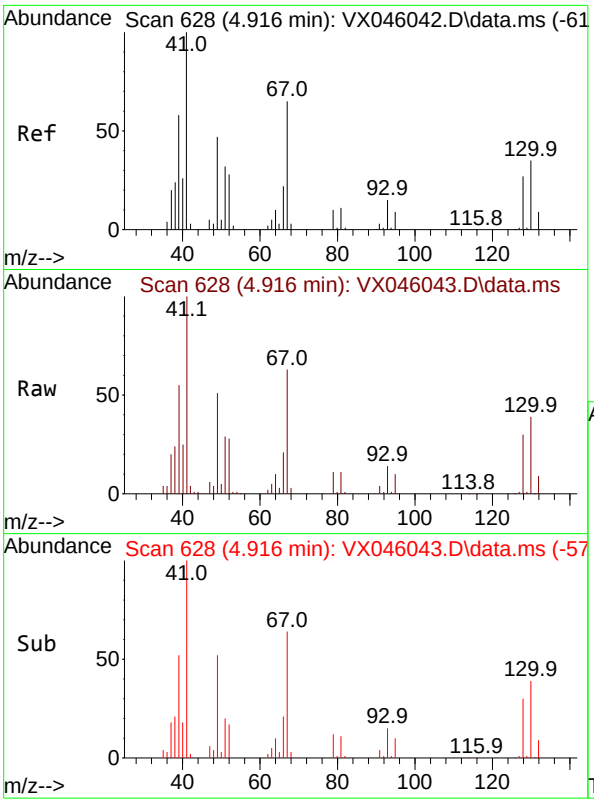


#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4

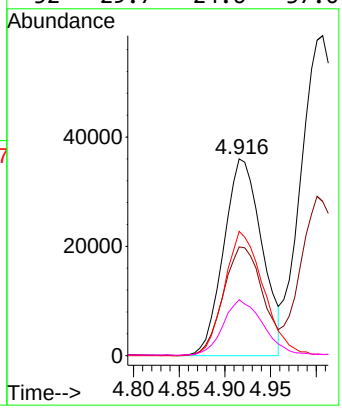




#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 10486

Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.2	70.8
67	64.6	50.7	76.1
52	29.7	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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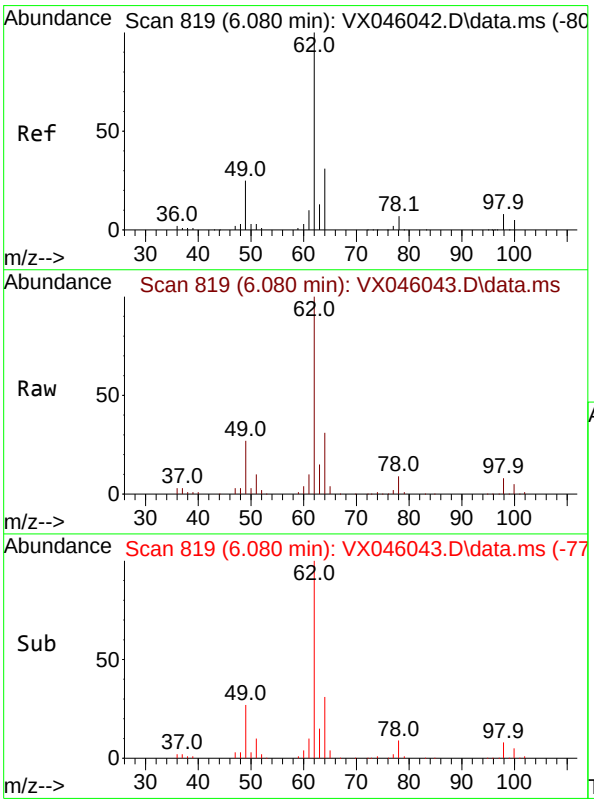
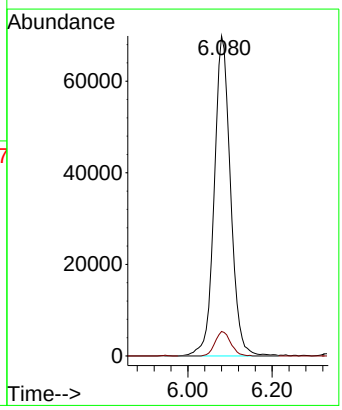
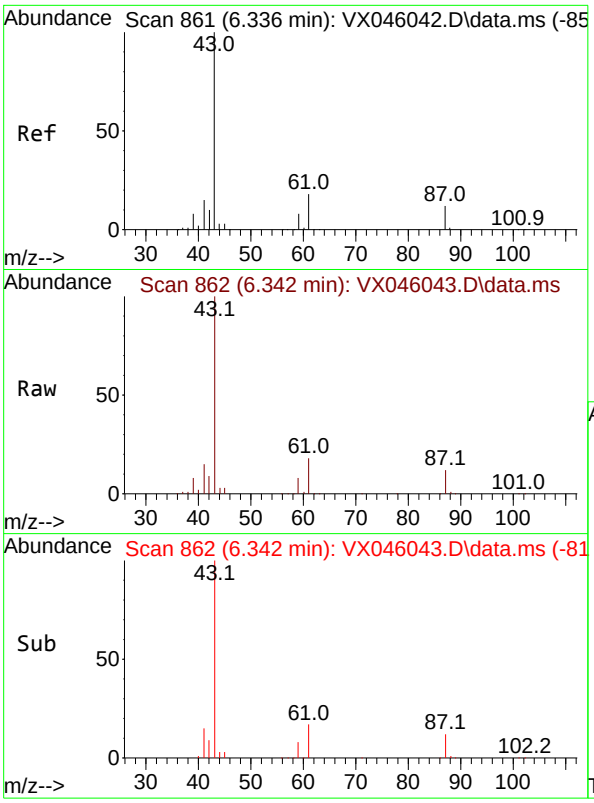


#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

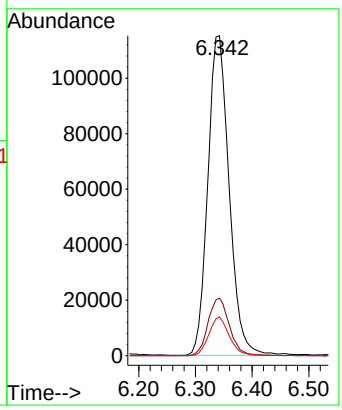




#43
Isopropyl Acetate
Concen: 78.714 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 30049

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.6	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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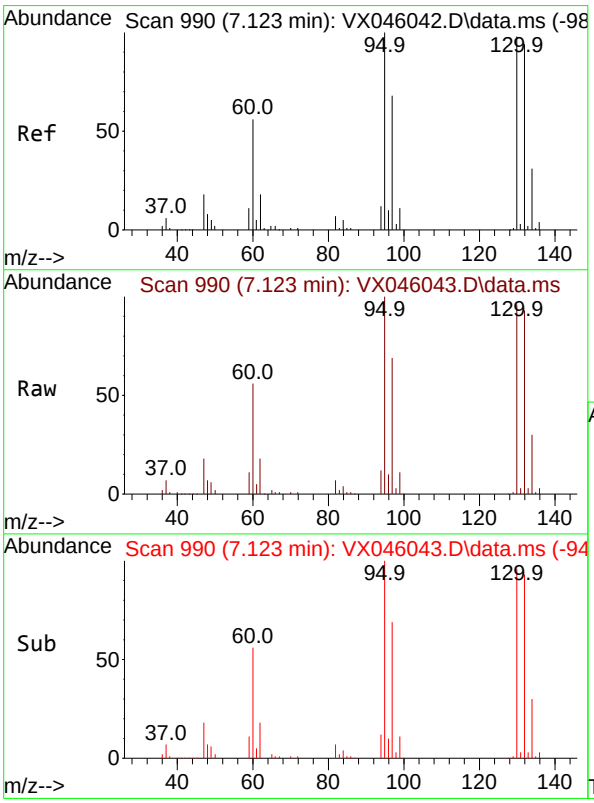
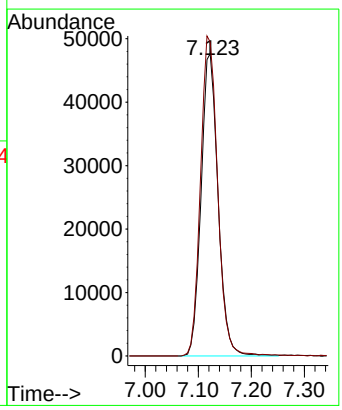
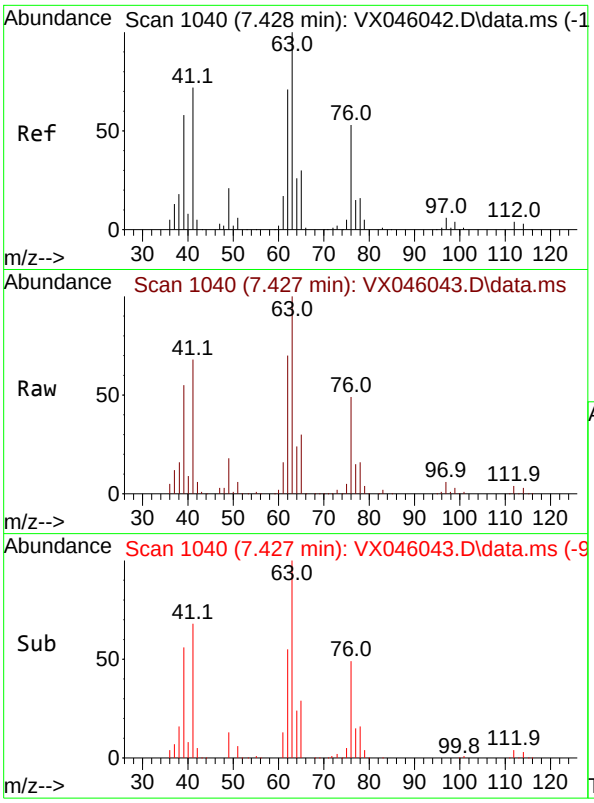


#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:130 Resp: 105628

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.2

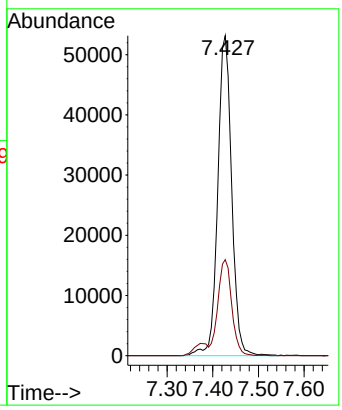




#45
1,2-Dichloropropane
Concen: 73.420 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 11255

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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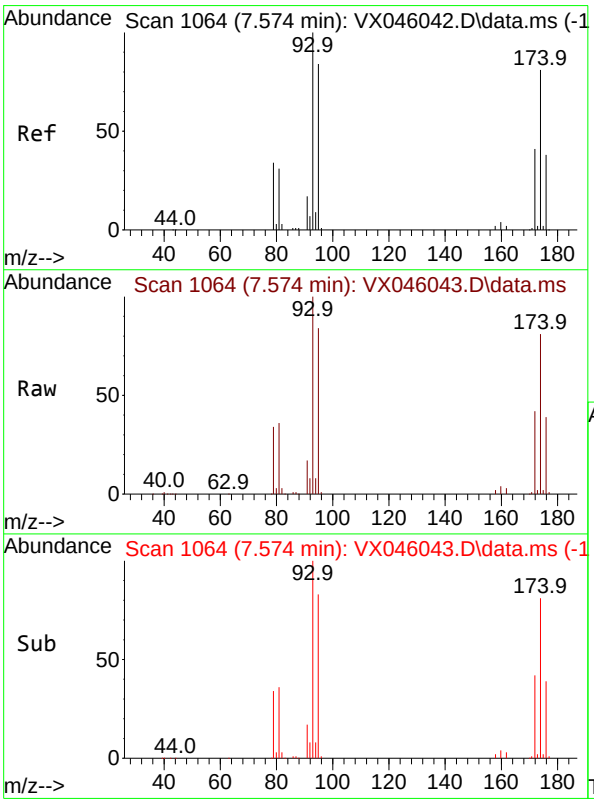
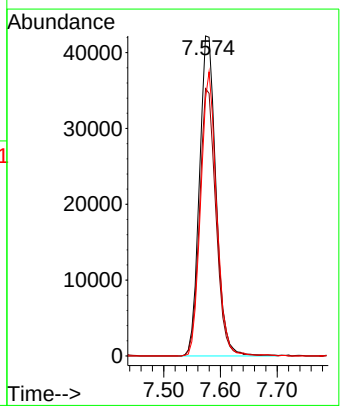
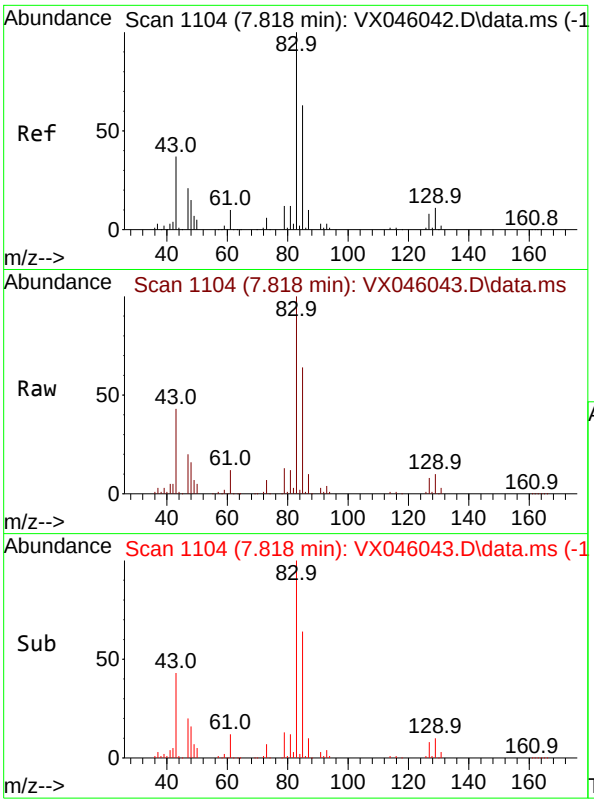


#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 93 Resp: 85728

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2

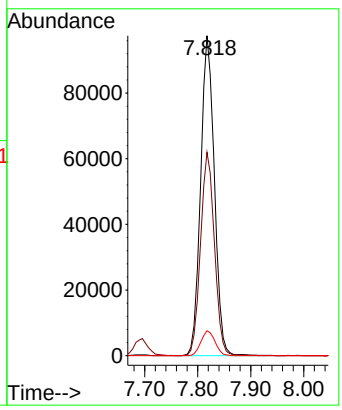




#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 17530

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	7.8	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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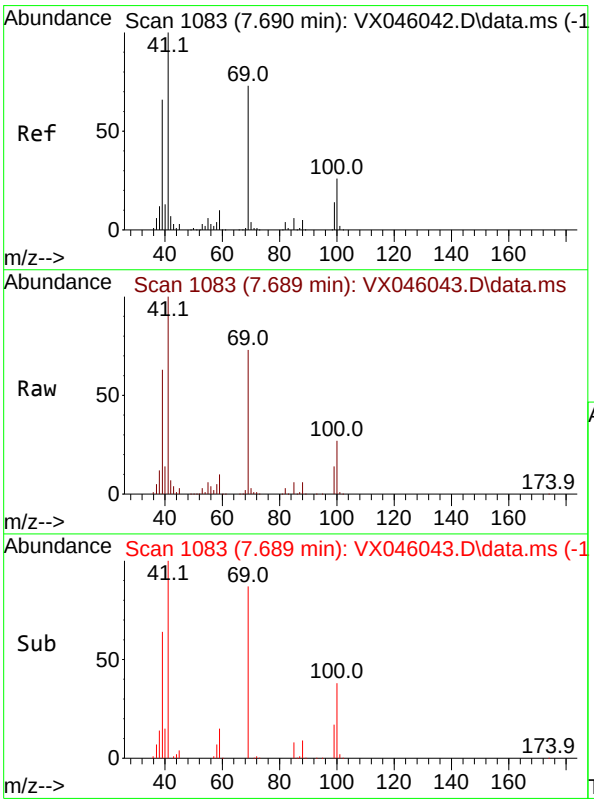
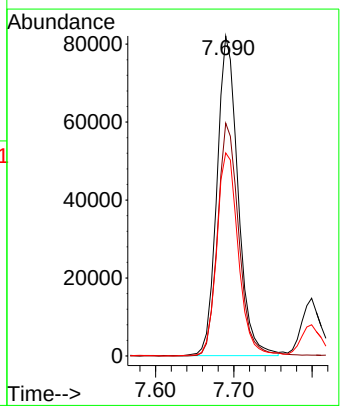
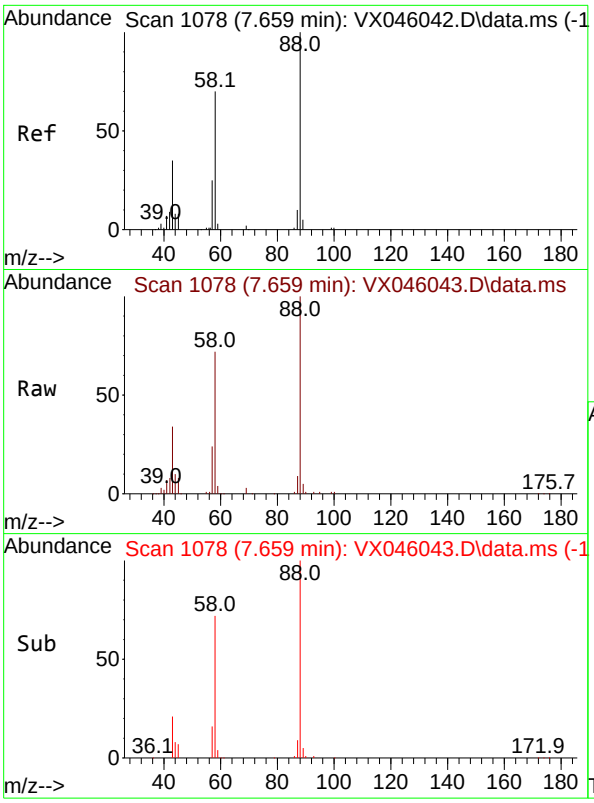


#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 153093

Ion	Ratio	Lower	Upper
41	100		
69	74.1	58.5	87.7
39	65.5	51.7	77.5

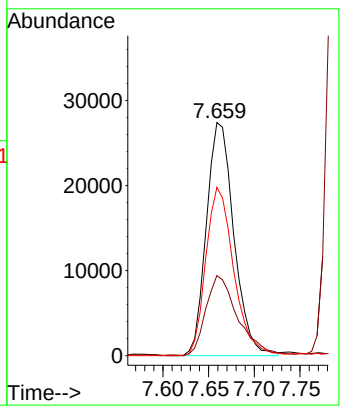




#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 88 Resp: 5731

Ion	Ratio	Lower	Upper
88	100		
43	40.1	33.4	50.2
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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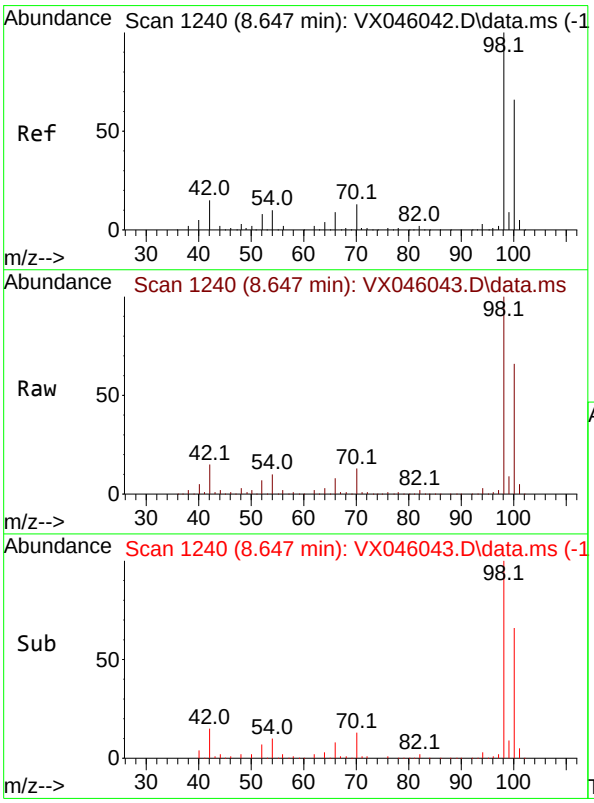
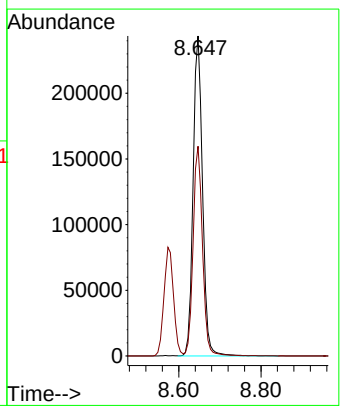
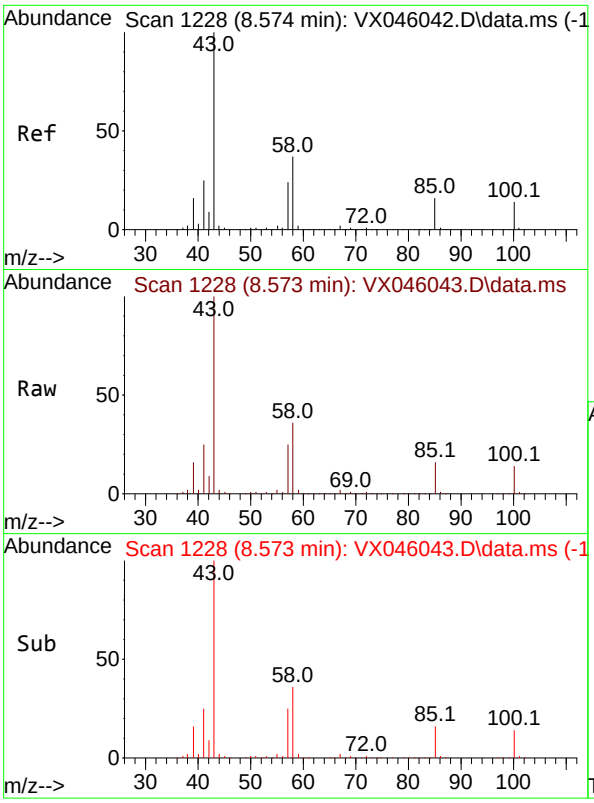


#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 98 Resp: 387230

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 96331

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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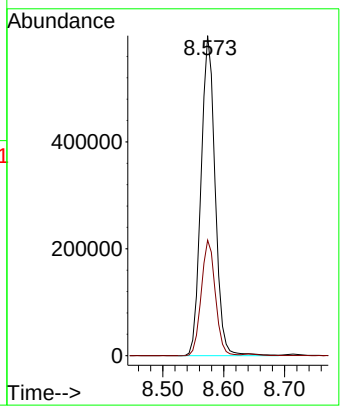
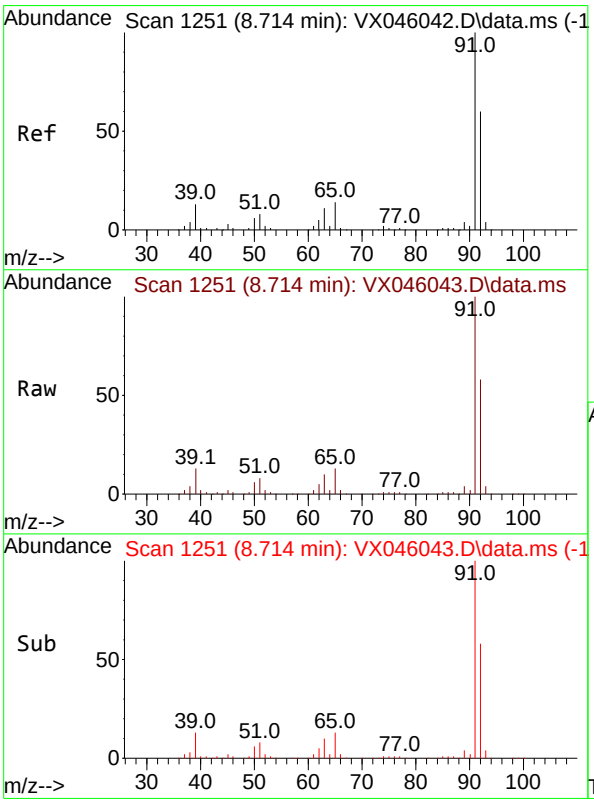
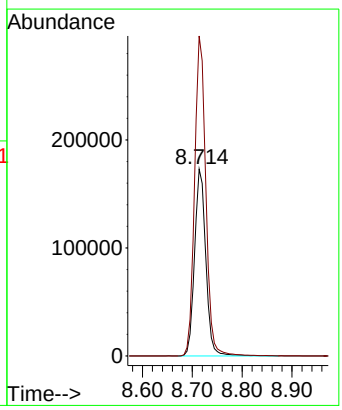


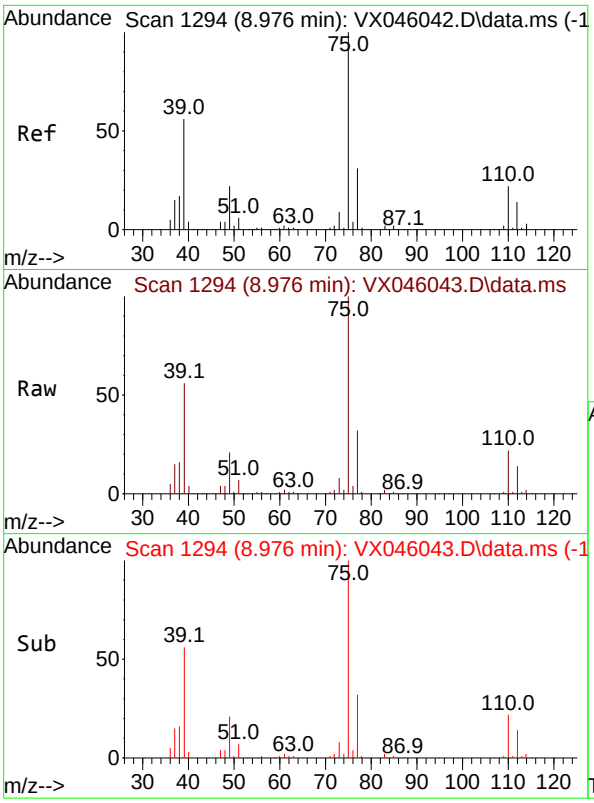


#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.6	205.0

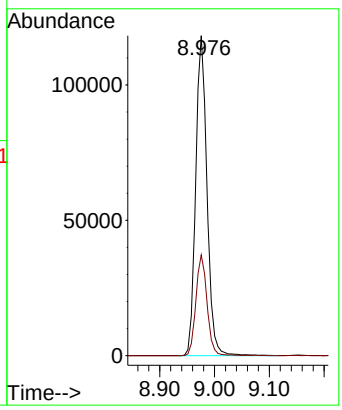




#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 16986

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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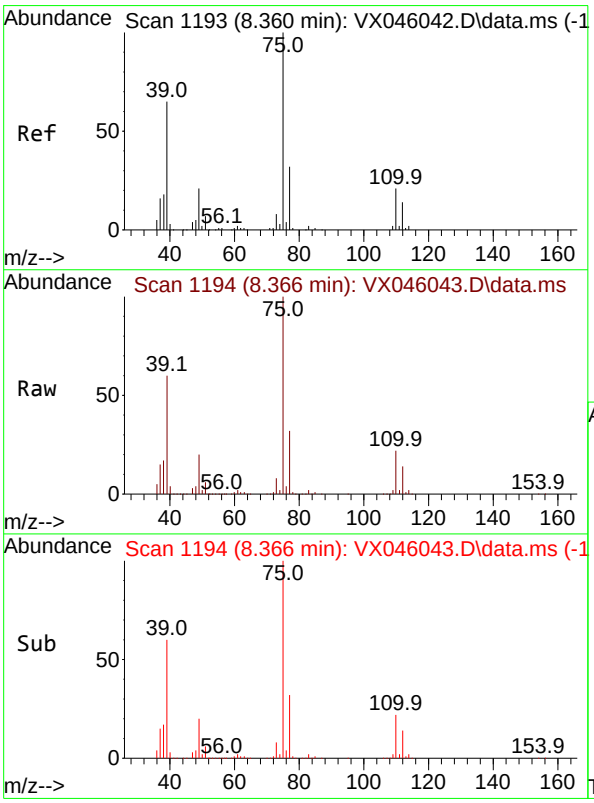
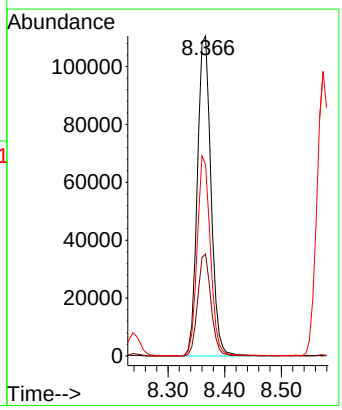
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

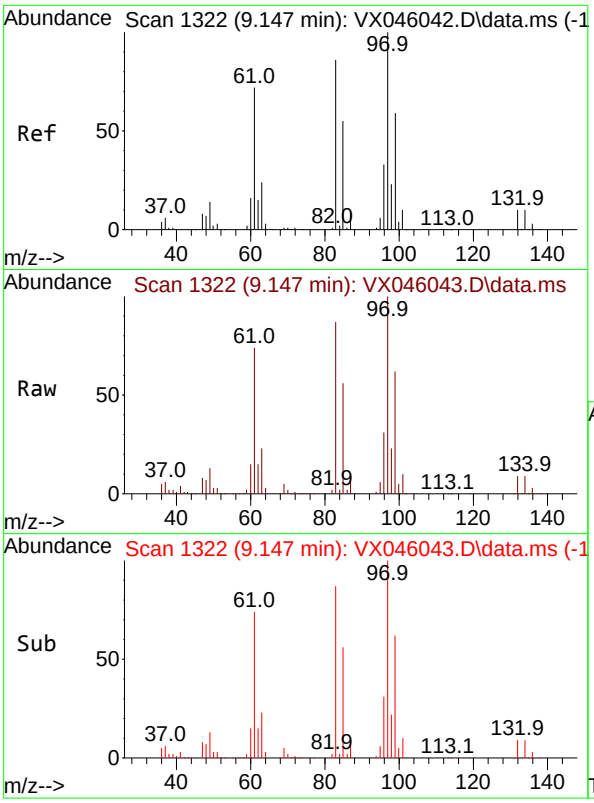


#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 184134

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	59.6	52.2	78.4

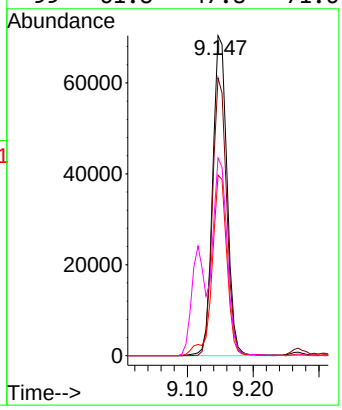




#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 10726

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.0	103.6
85	56.4	44.3	66.5
99	61.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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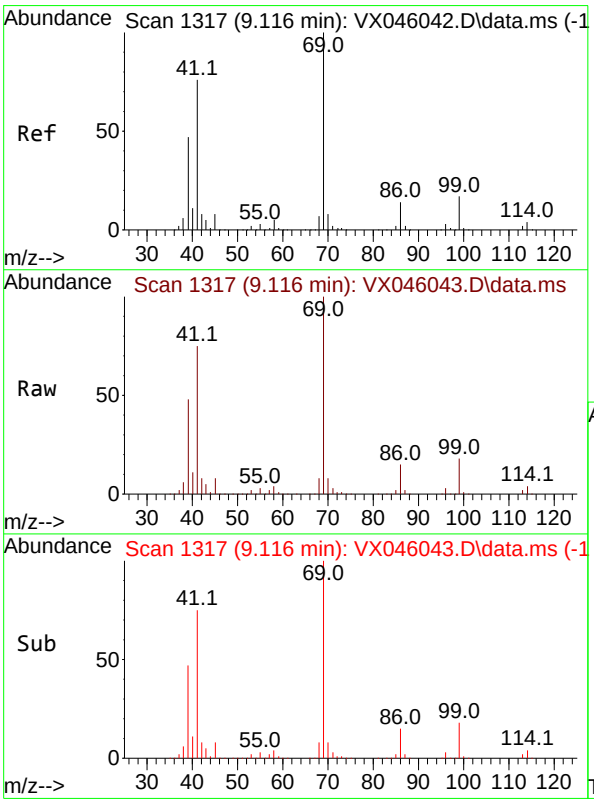
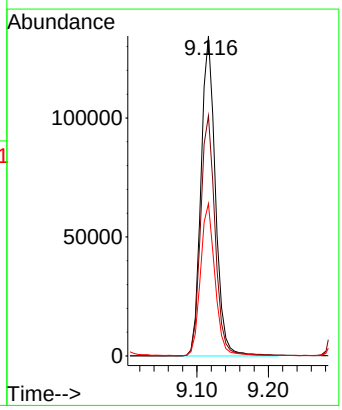
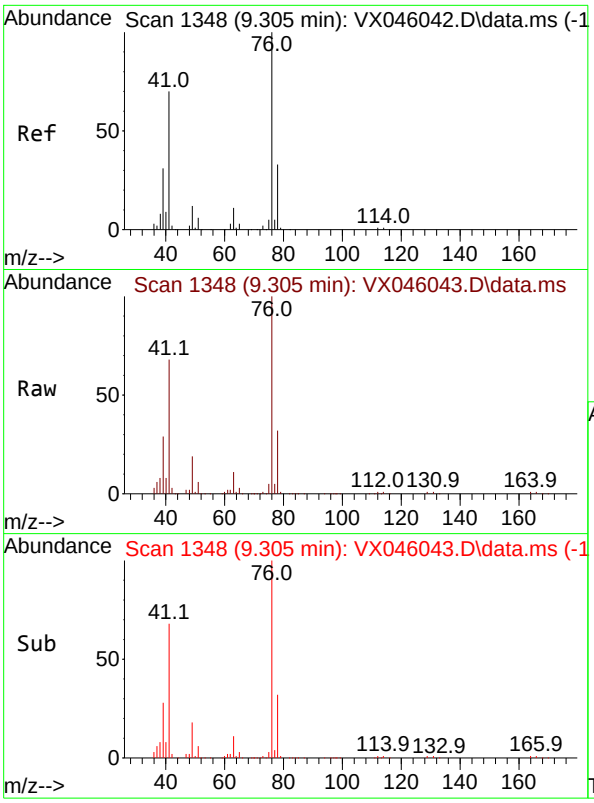


#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 69 Resp: 188717

Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.8	91.2
39	47.7	39.0	58.6





#57
1,3-Dichloropropane
Concen: 71.590 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 18764

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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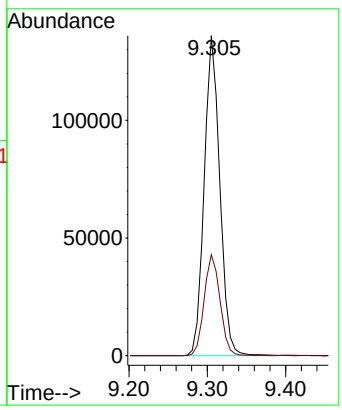
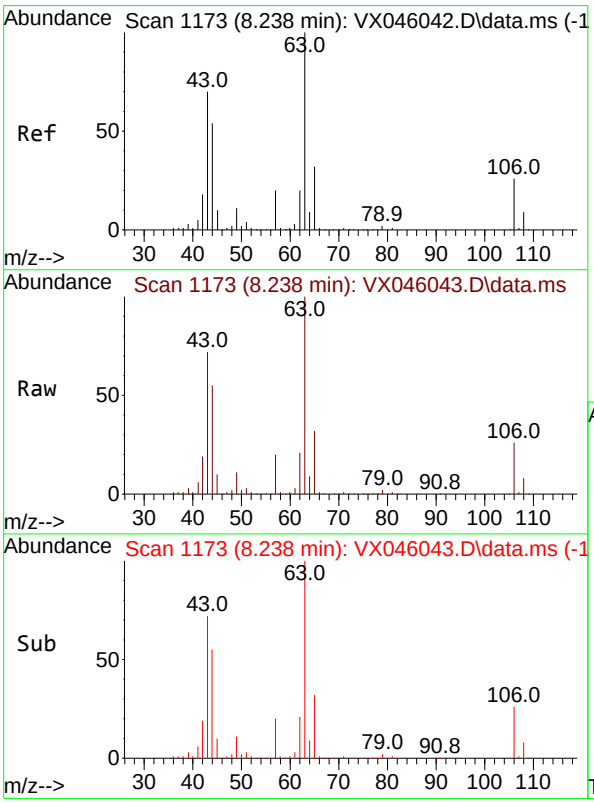
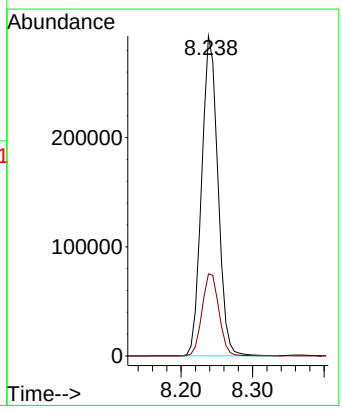


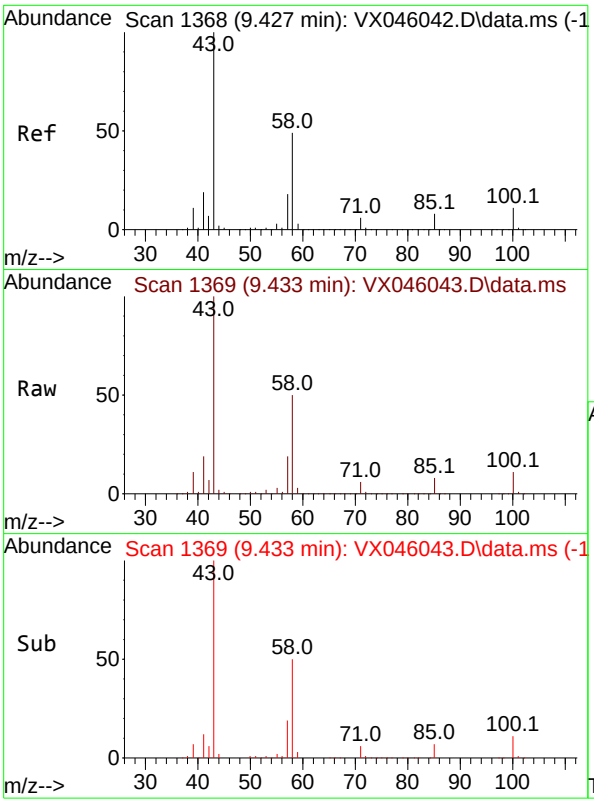


#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 463169

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 383.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 72960

Ion	Ratio	Lower	Upper
43	100		
58	49.9	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 05/06/2025
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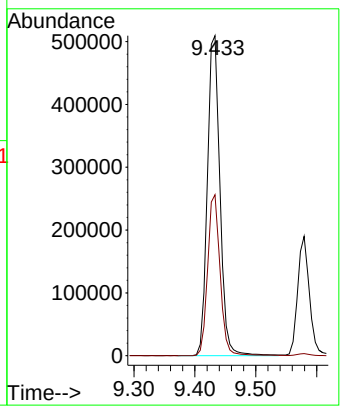
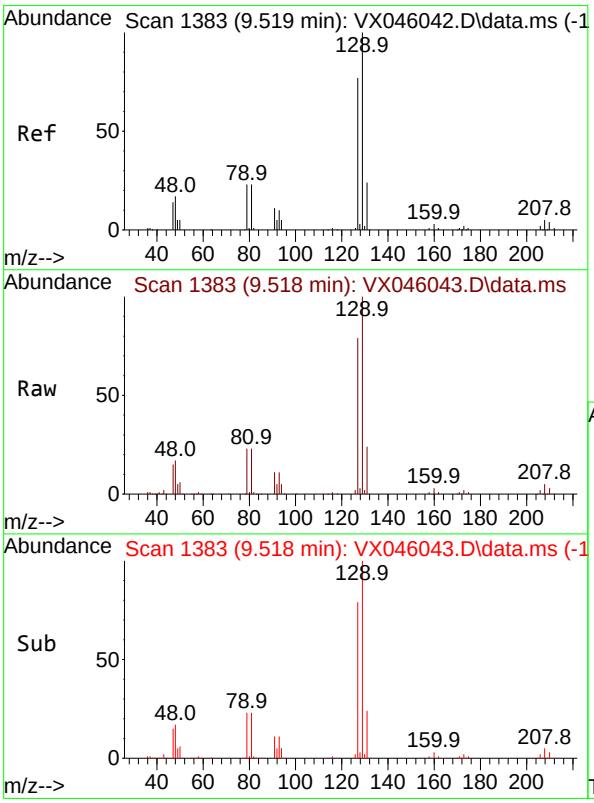
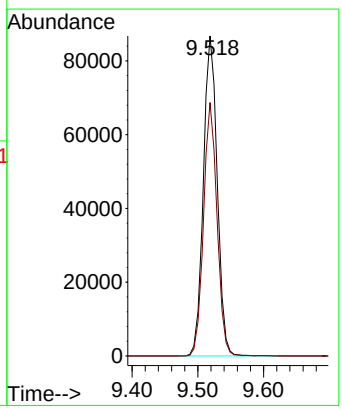


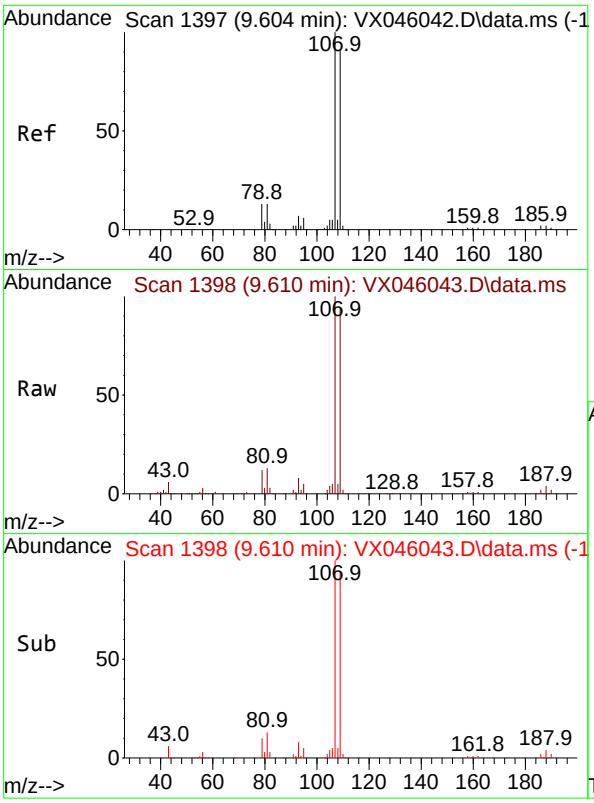


#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:129 Resp: 127012

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.3	117.8





#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:107 Resp: 11266

Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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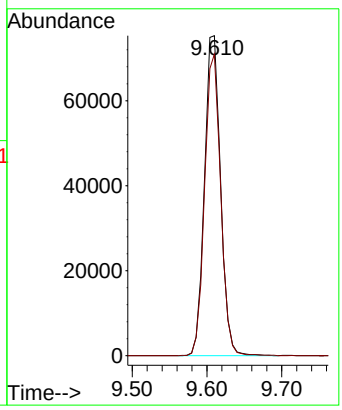
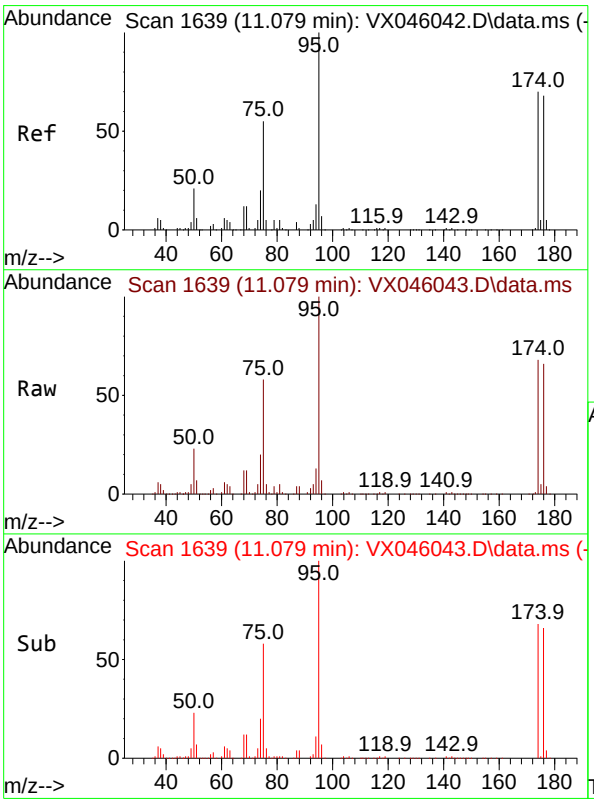
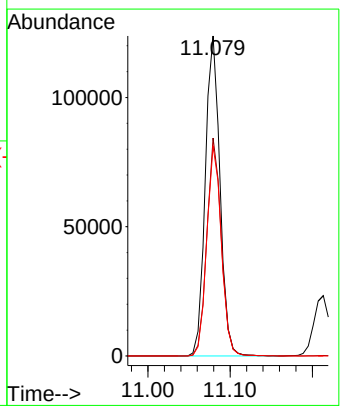


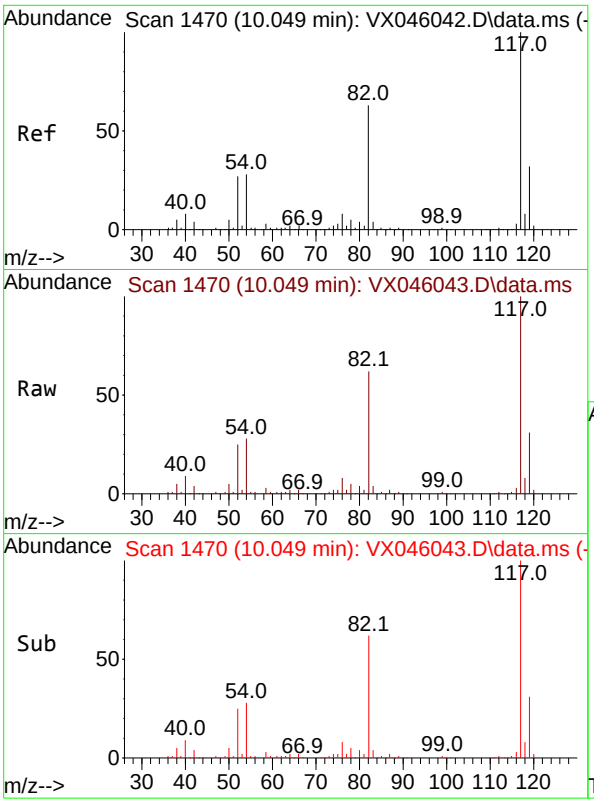


#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 95 Resp: 153085

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	65.3	0.0	131.4

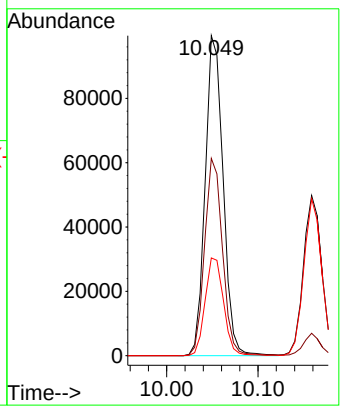




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 13521

Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	30.6	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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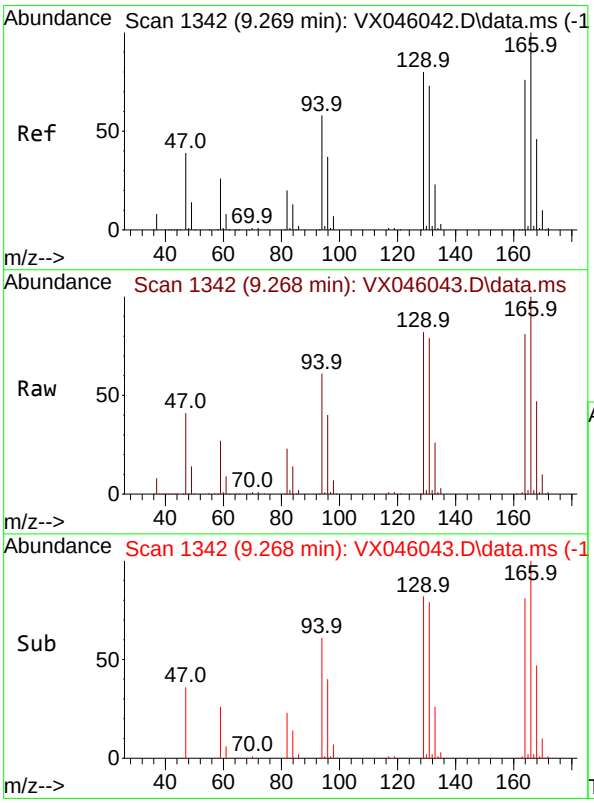
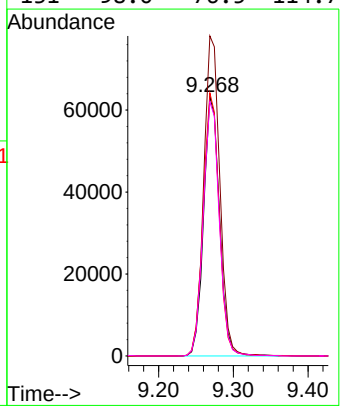
Supervised By :Mahesh Dadoda 05/06/2025

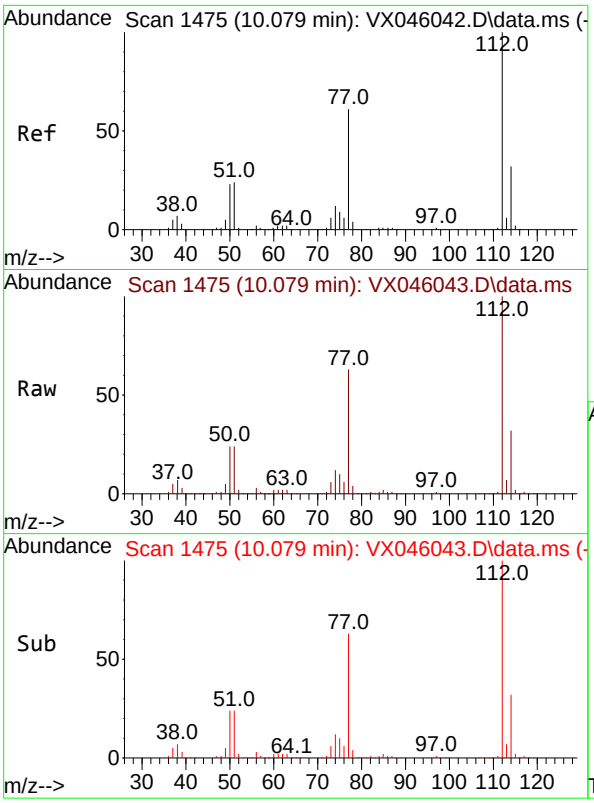


#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:164 Resp: 93195

Ion	Ratio	Lower	Upper
164	100		
166	123.4	105.0	157.6
129	101.4	83.5	125.3
131	98.0	76.5	114.7





#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:112 Resp: 29328

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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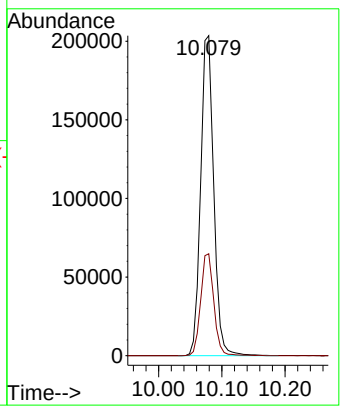
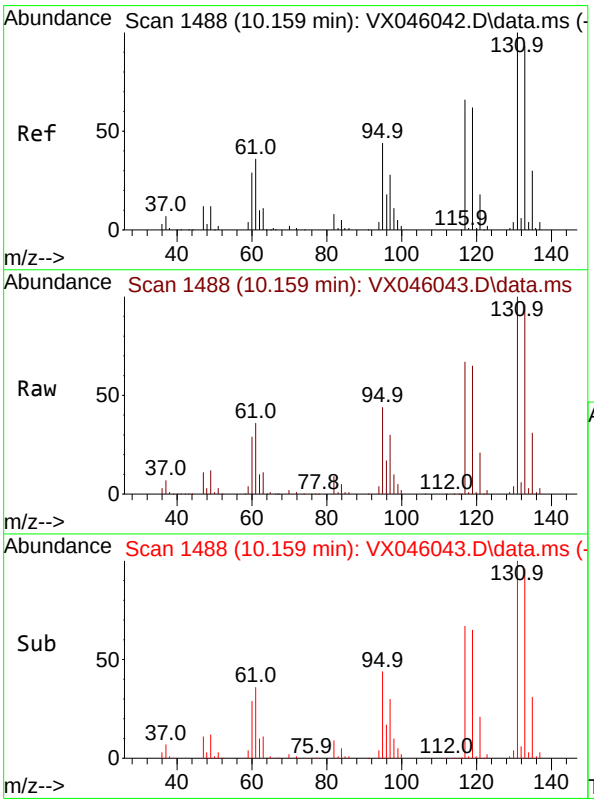
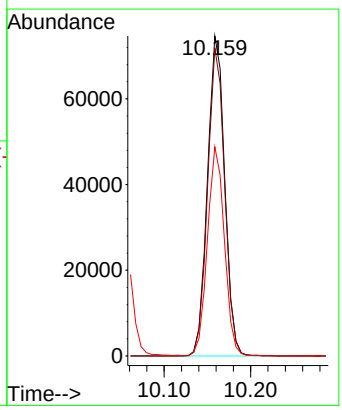


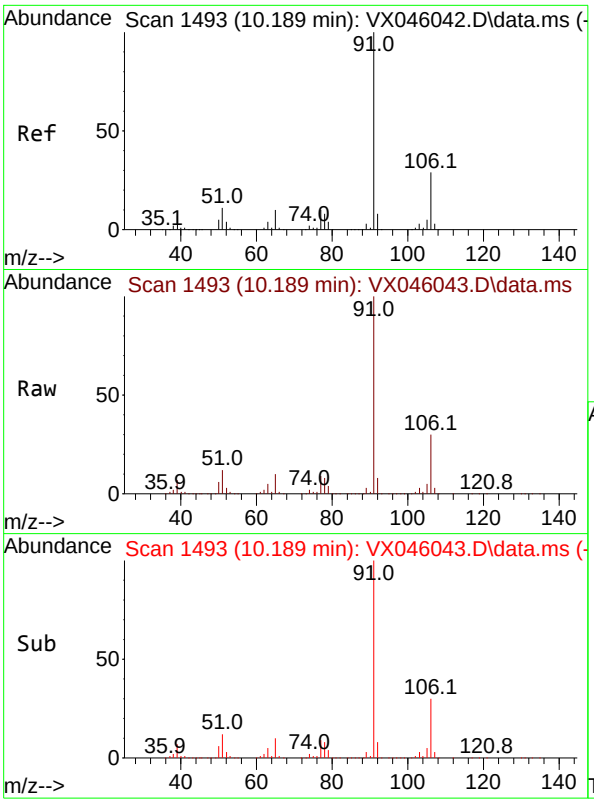


#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:131 Resp: 103177

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.9
119	64.5	31.6	95.0

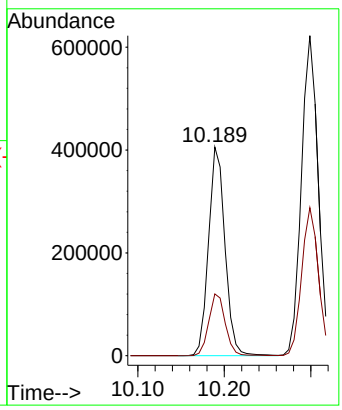




#67
Ethyl Benzene
Concen: 75.444 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 53512

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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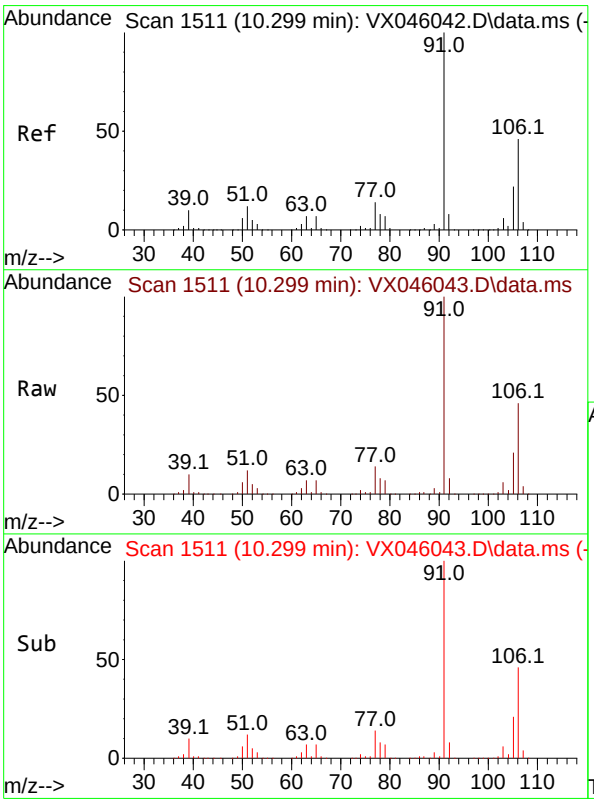
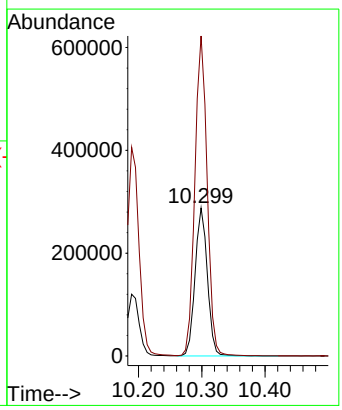
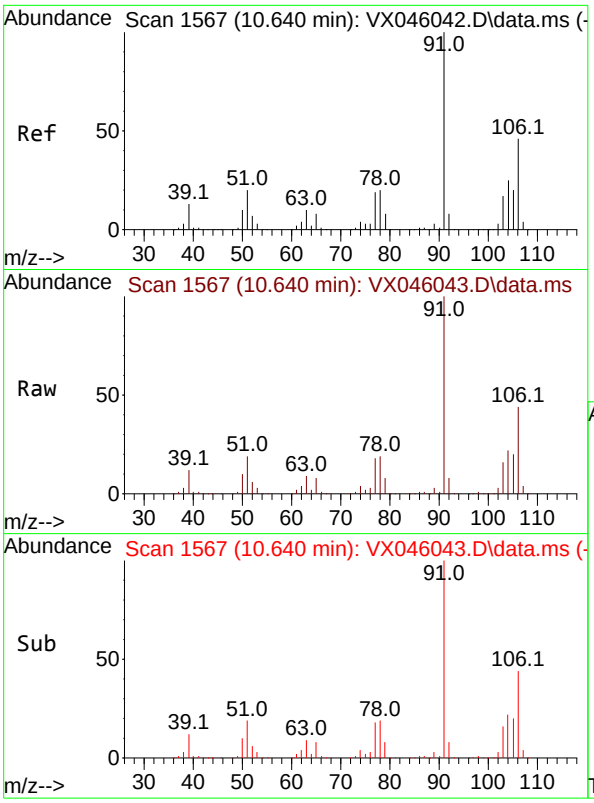


#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 389935

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8

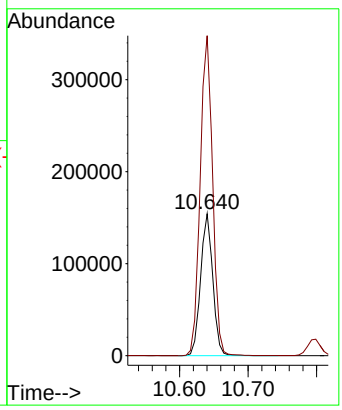




#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 19083

Ion	Ratio	Lower	Upper
106	100		
91	230.3	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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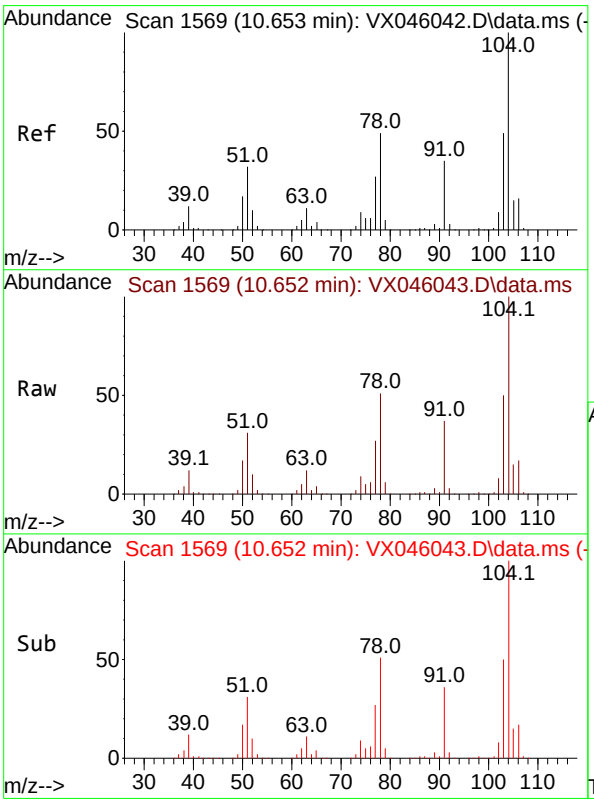
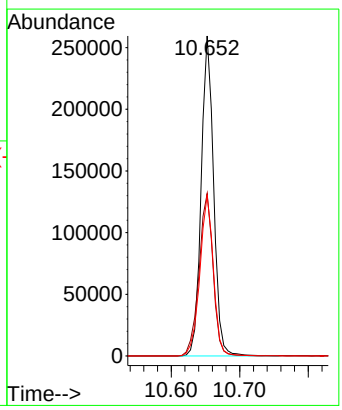
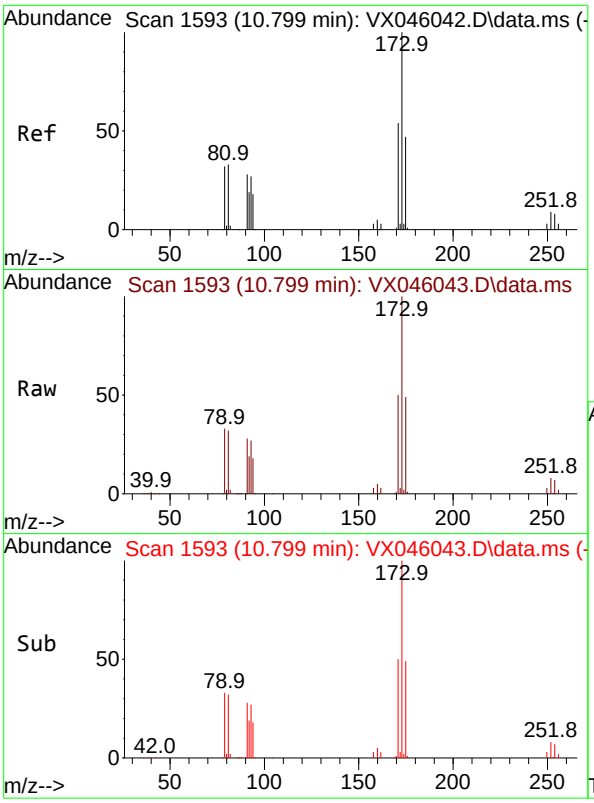


#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:104 Resp: 328195

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.7	68.5
103	54.8	43.7	65.5

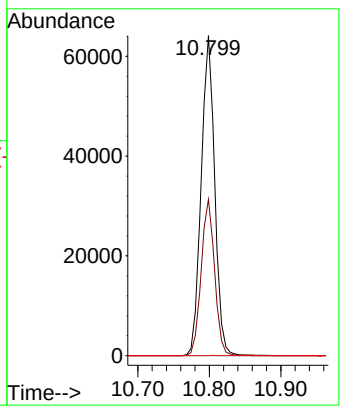




#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:173 Resp: 8435

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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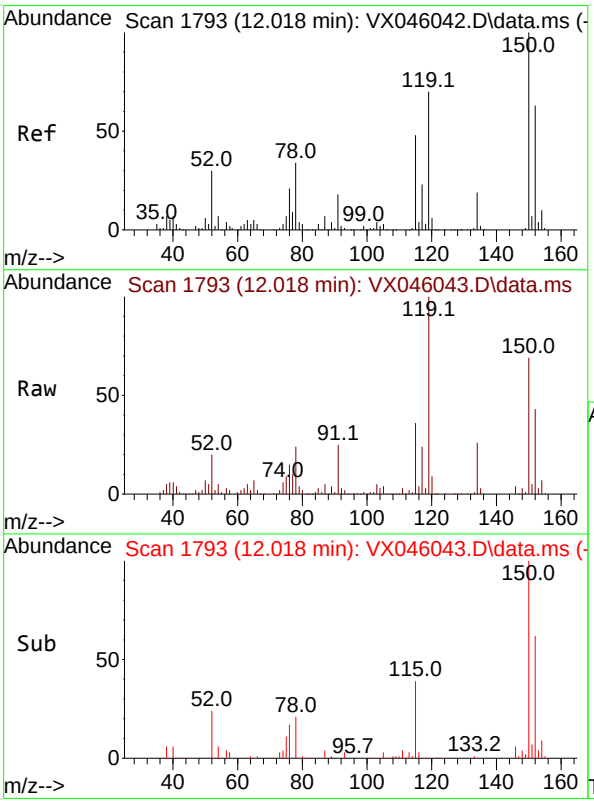
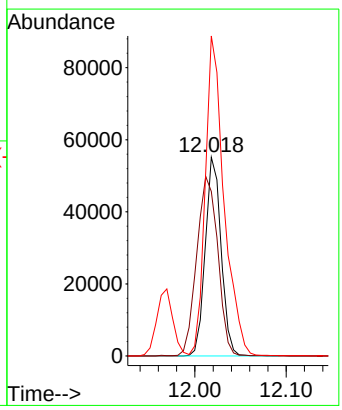
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

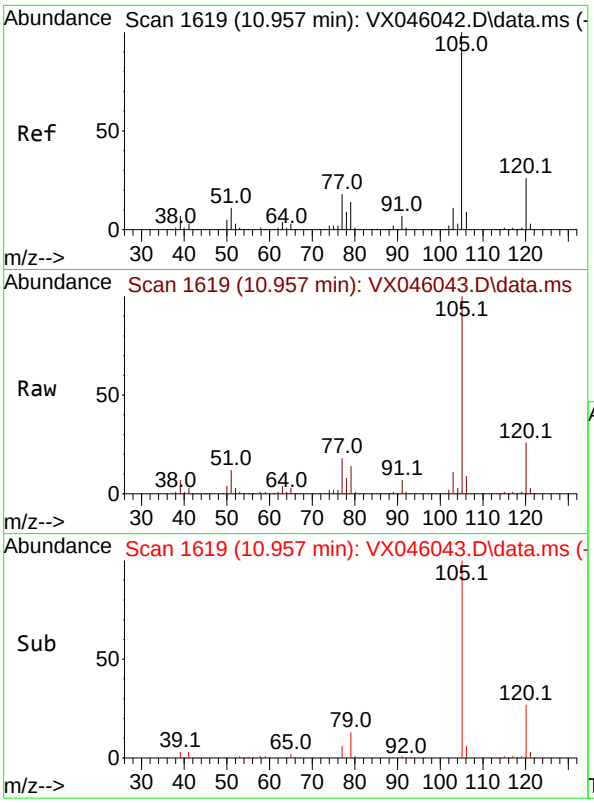


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:152 Resp: 66369

Ion	Ratio	Lower	Upper
152	100		
115	120.4	46.9	140.7
150	190.4	0.0	351.0





#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 51452

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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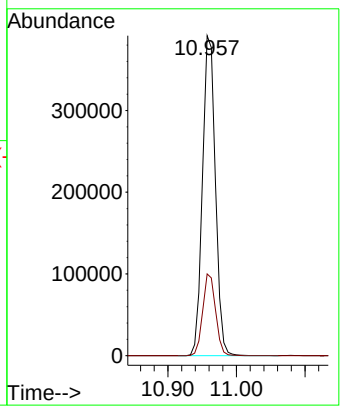
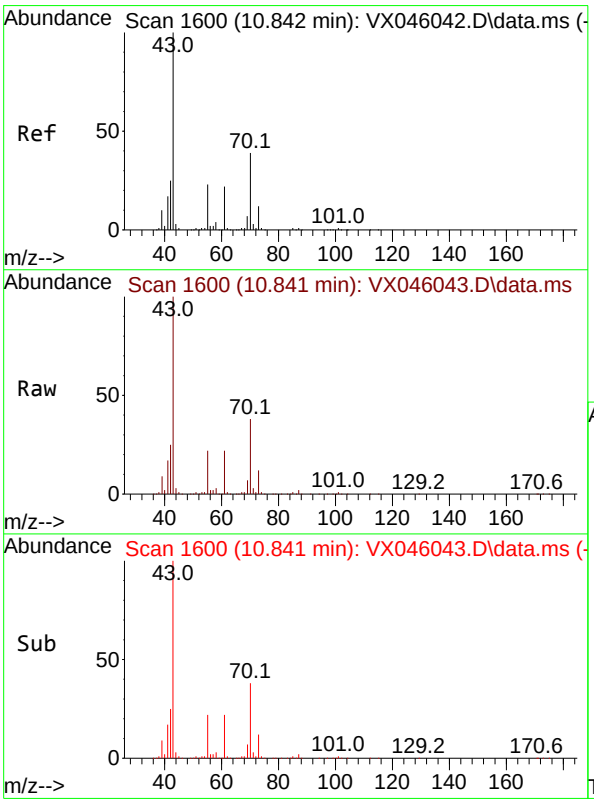
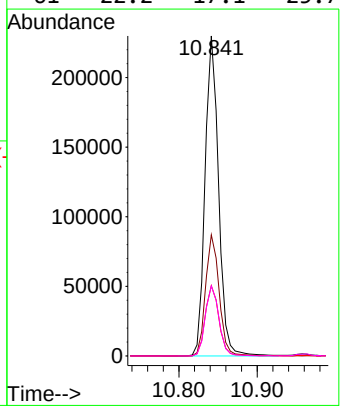


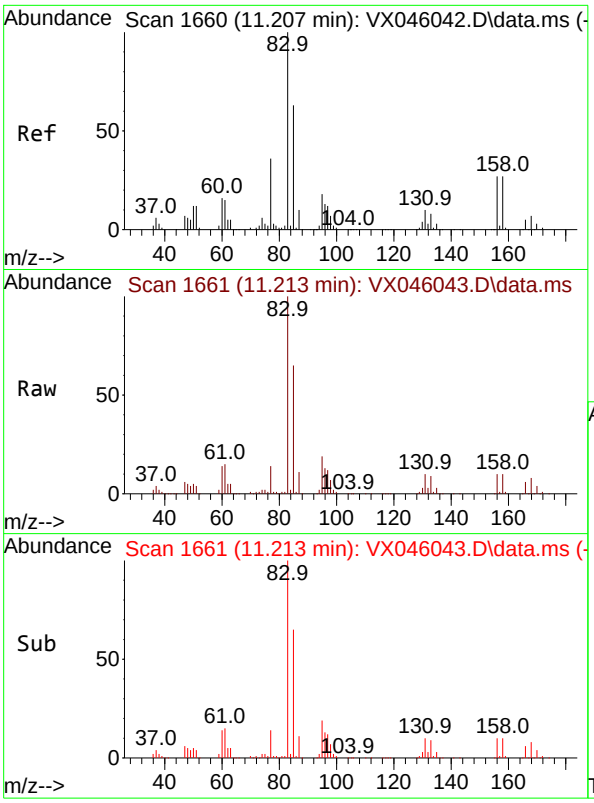


#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 274553

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.9	46.3
55	22.5	18.7	28.1
61	22.2	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 17048

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.9	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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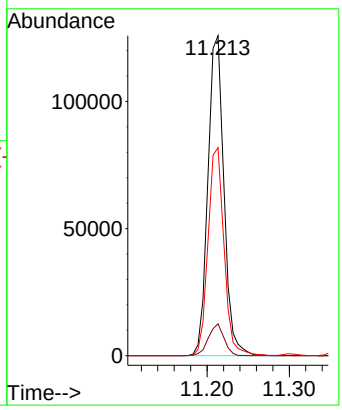
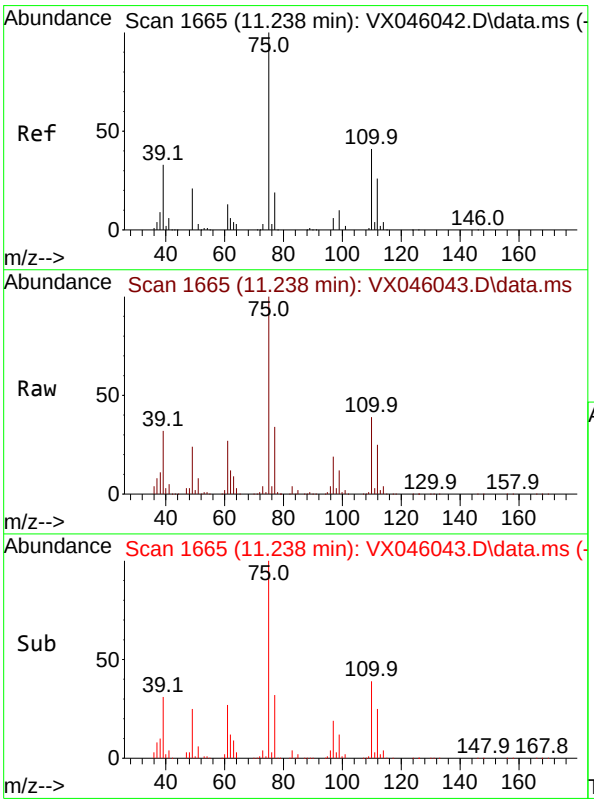
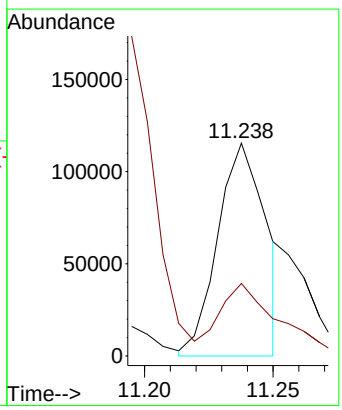


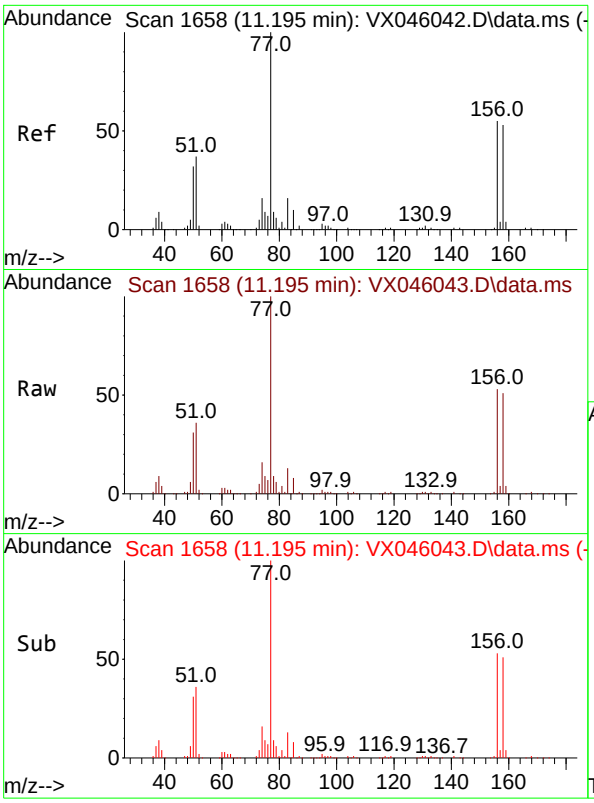


#76
1,2,3-Trichloropropane
Concen: 54.277 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 150182

Ion	Ratio	Lower	Upper
75	100		
77	42.2	20.5	61.5





#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:156 Resp: 11715

Ion	Ratio	Lower	Upper
156	100		
77	187.4	92.8	278.3
158	96.1	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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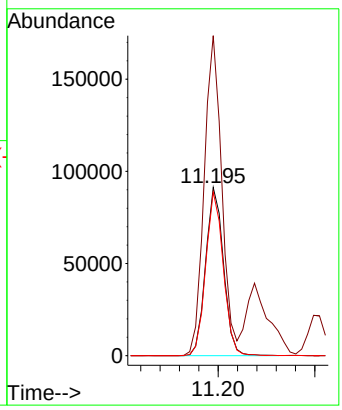
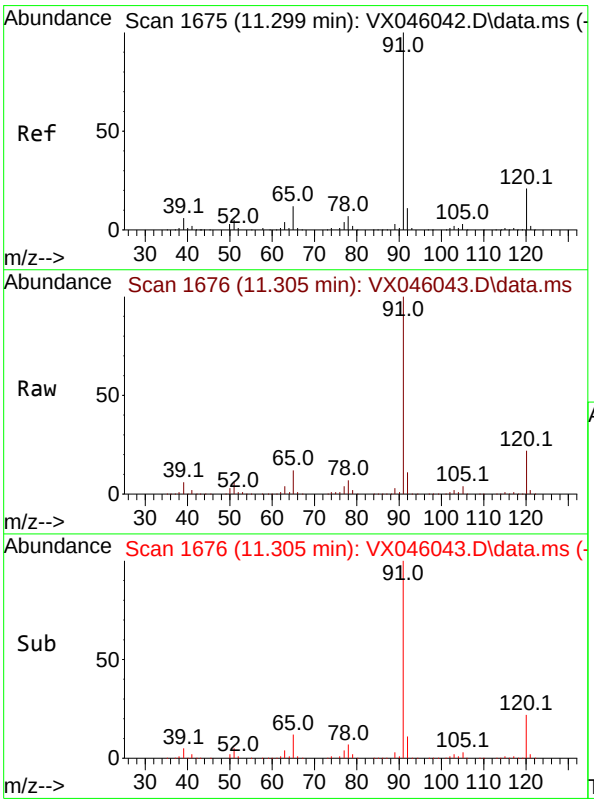
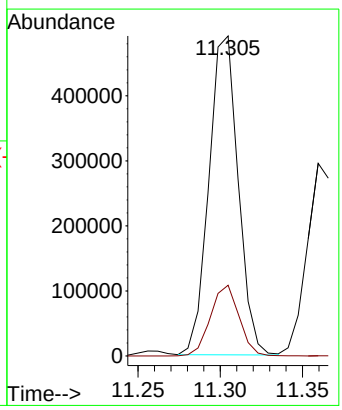


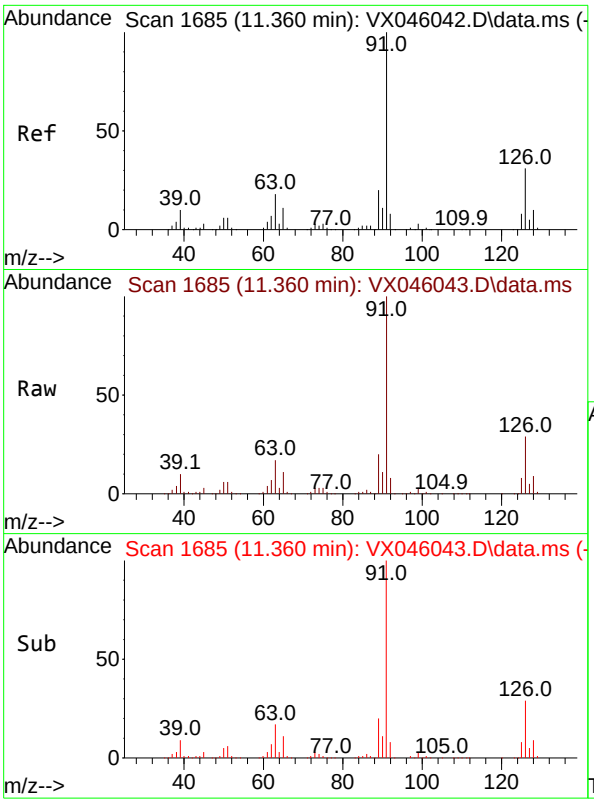


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 608332

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

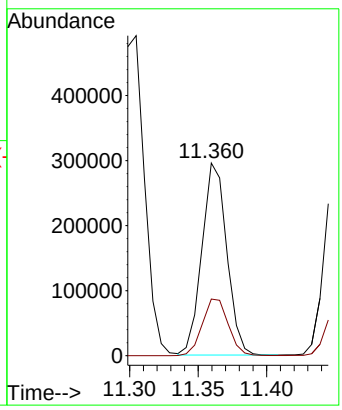




#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 37239

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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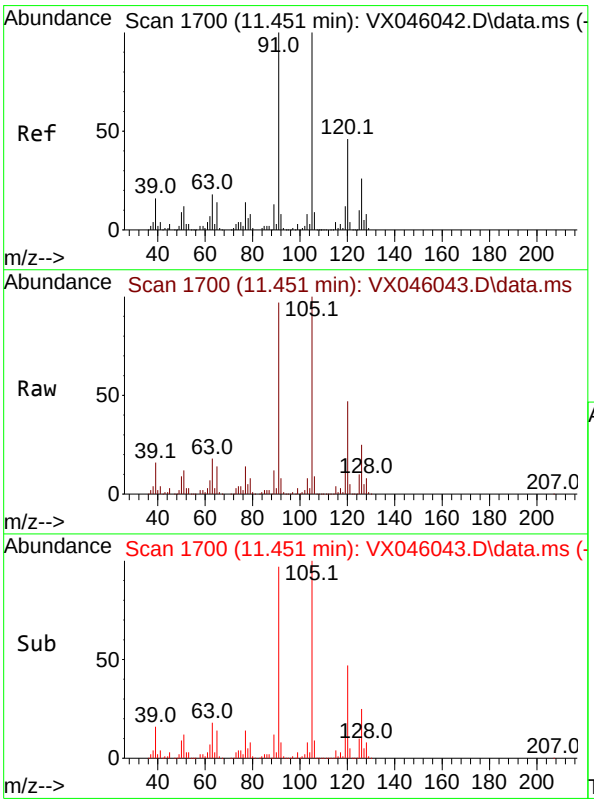
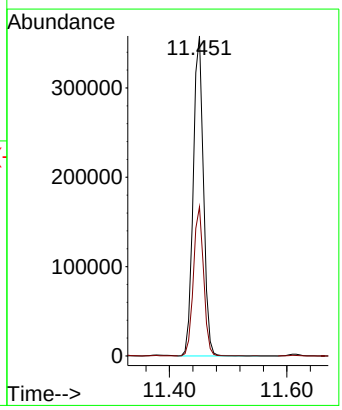
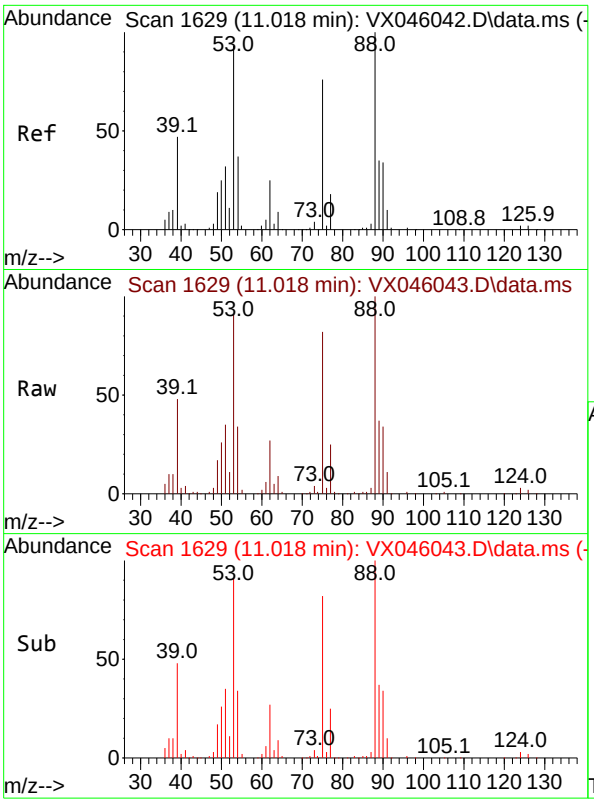


#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 432096

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 5439

Ion	Ratio	Lower	Upper
75	100		
53	115.8	100.5	150.7
89	47.0	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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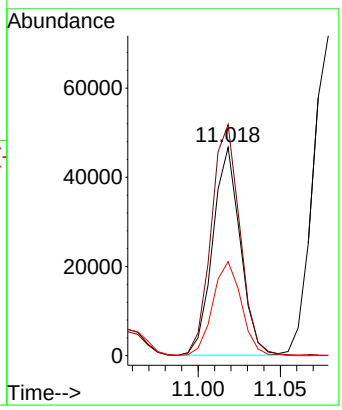
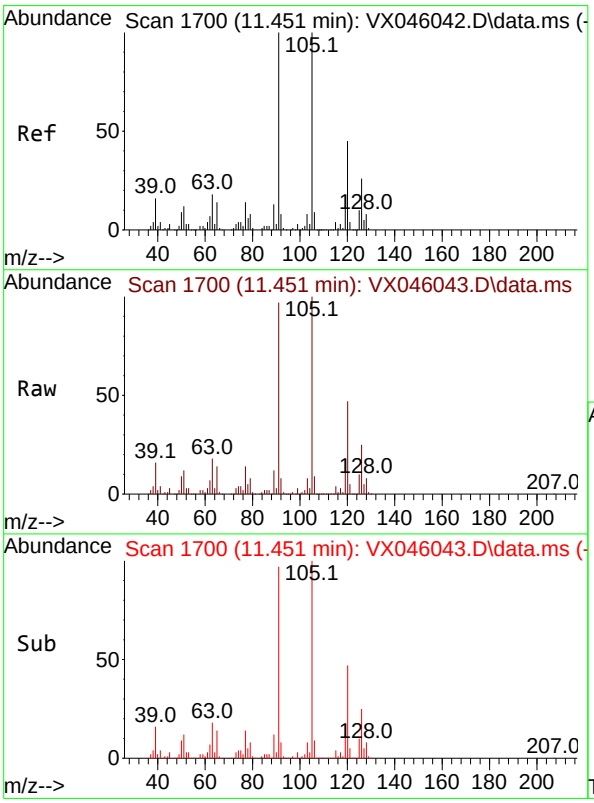
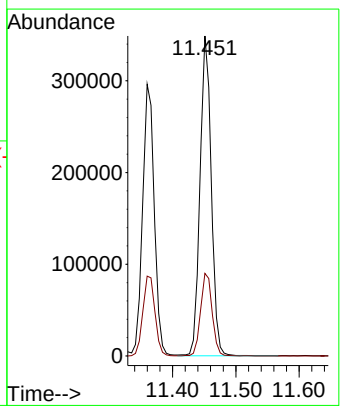


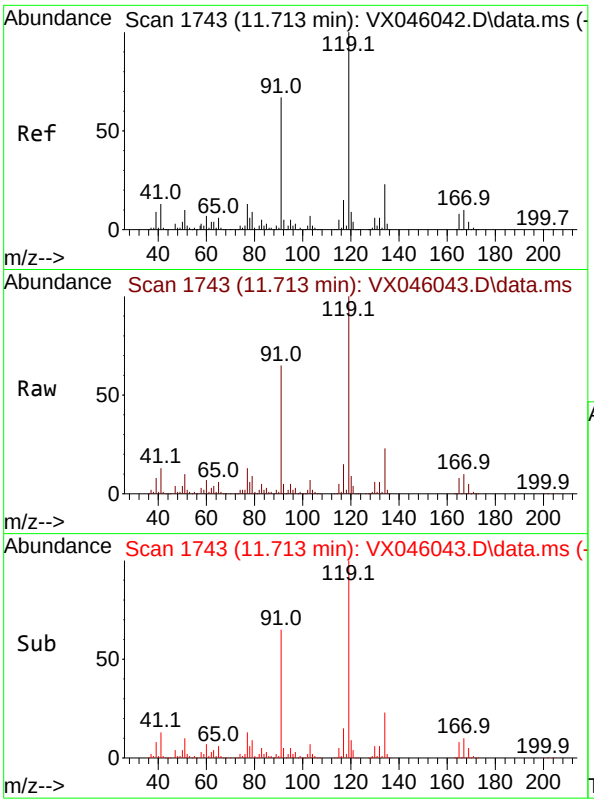


#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

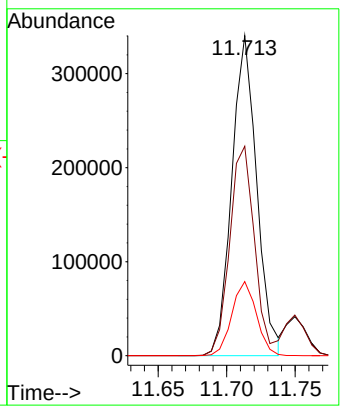




#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 43201

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.9	98.7
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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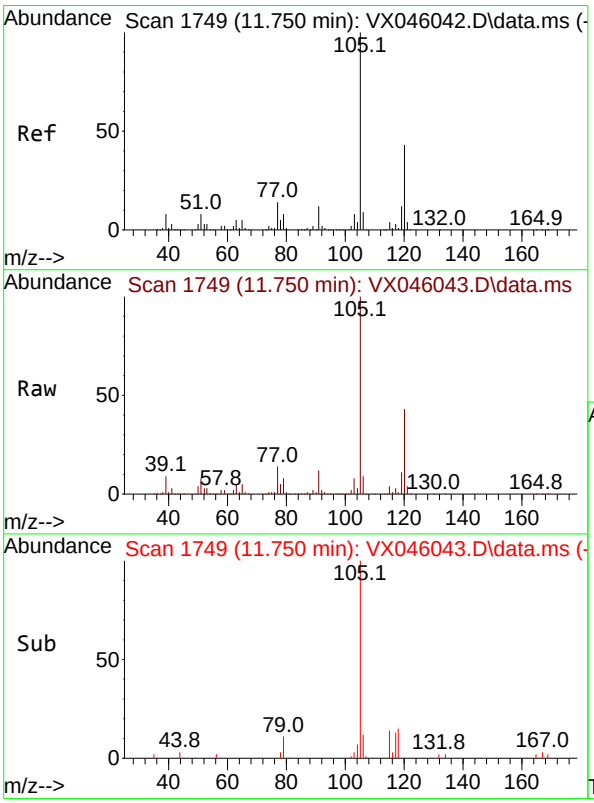
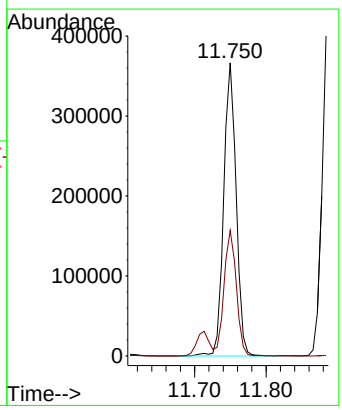
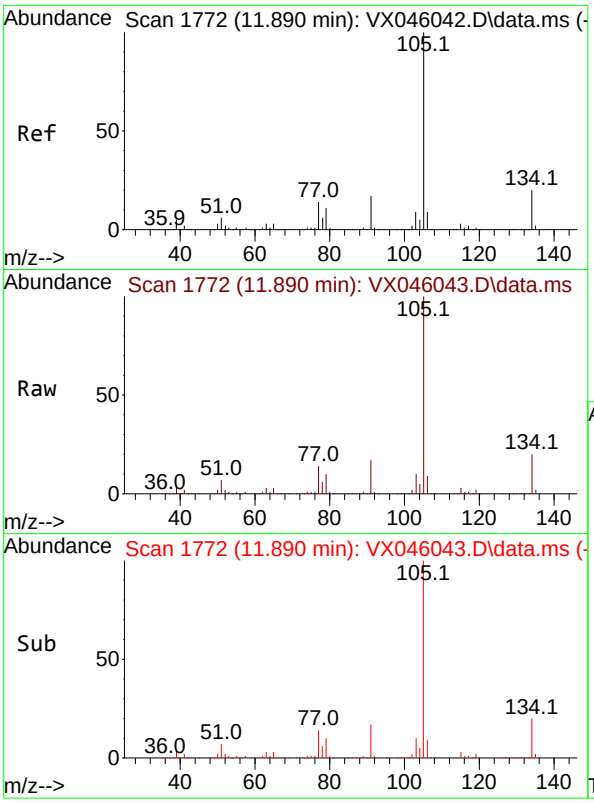


#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6





#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 54359

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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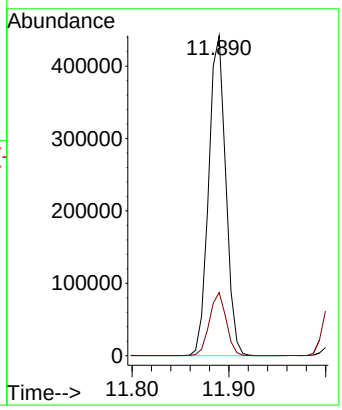
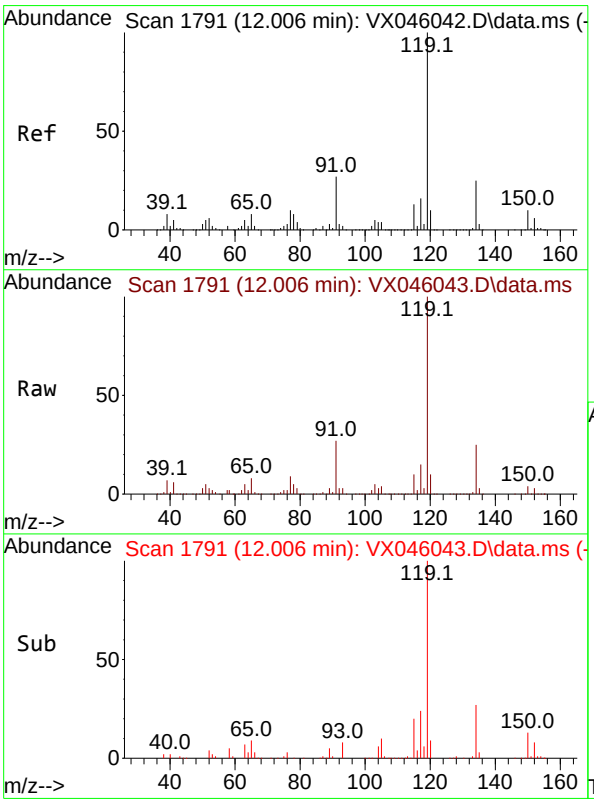
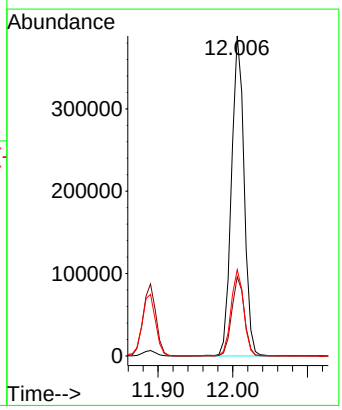


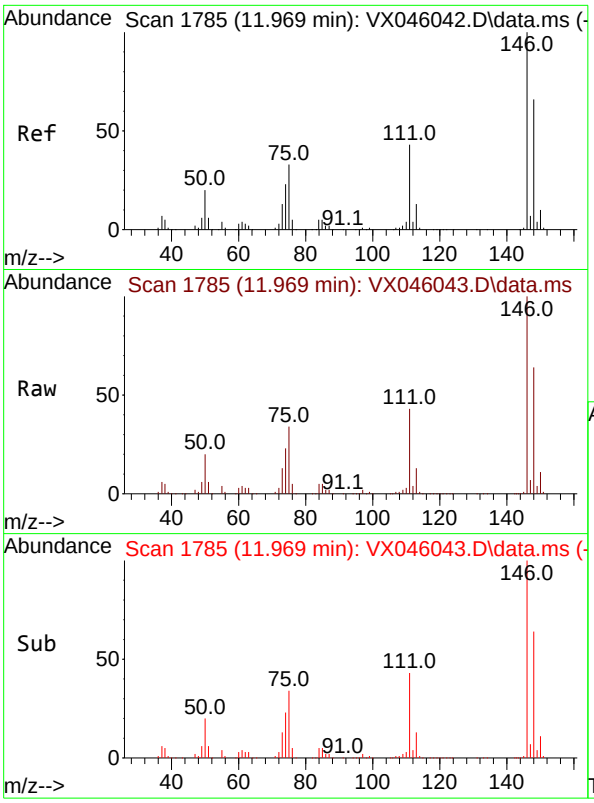


#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 457898

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	26.8	13.8	41.4

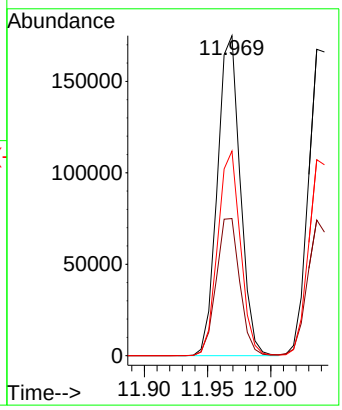




#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21975

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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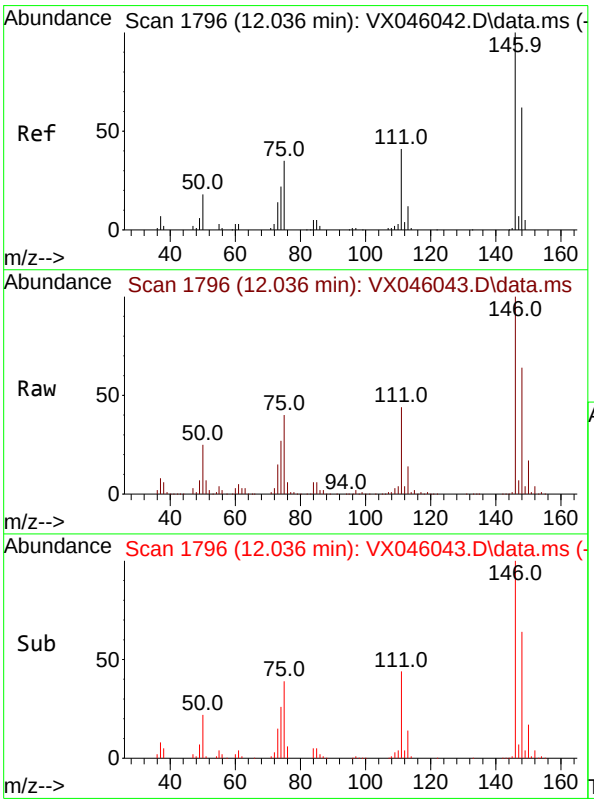
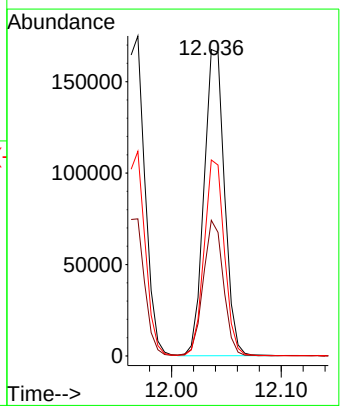
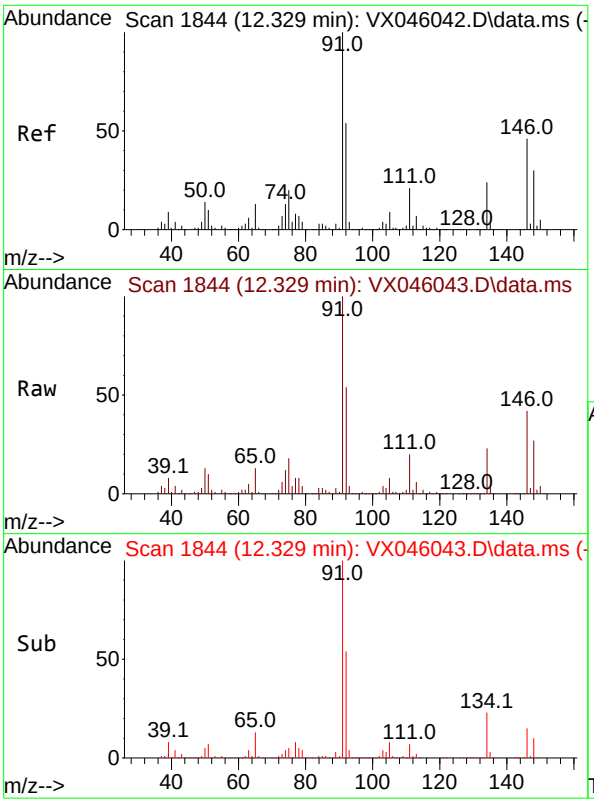


#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 217613

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.2	31.9	95.5





#89
n-Butylbenzene
Concen: 80.996 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 41660

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.7
134	24.0	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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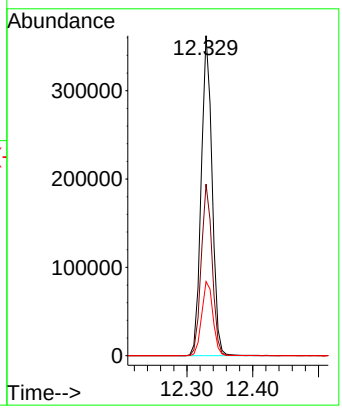
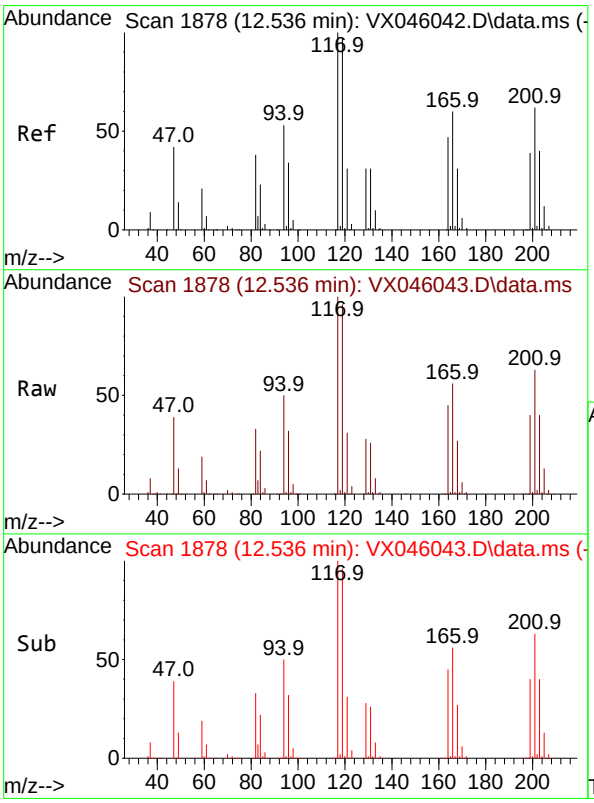
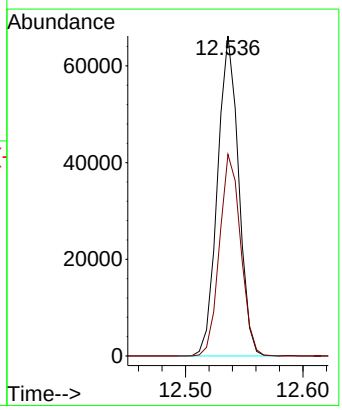


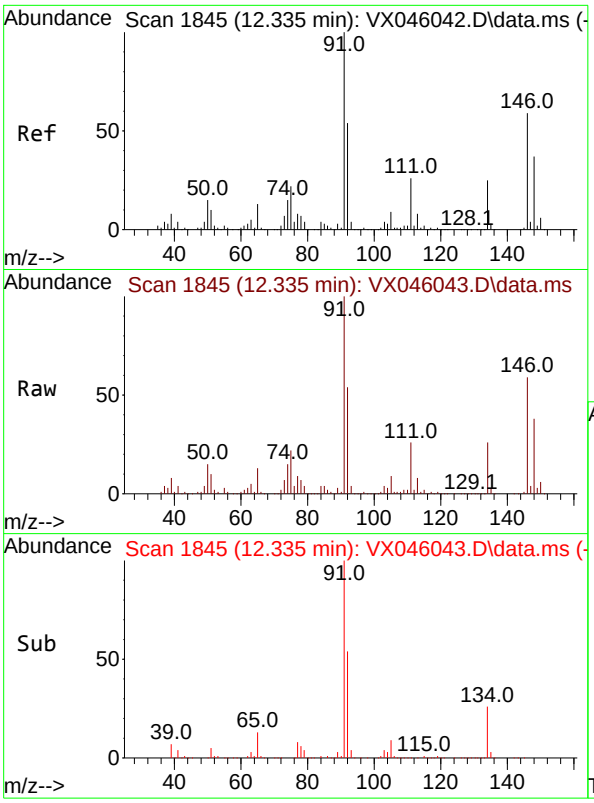


#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.6	94.7

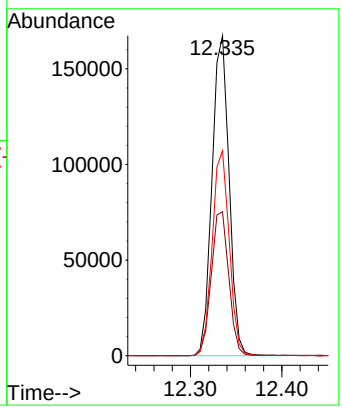




#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21683

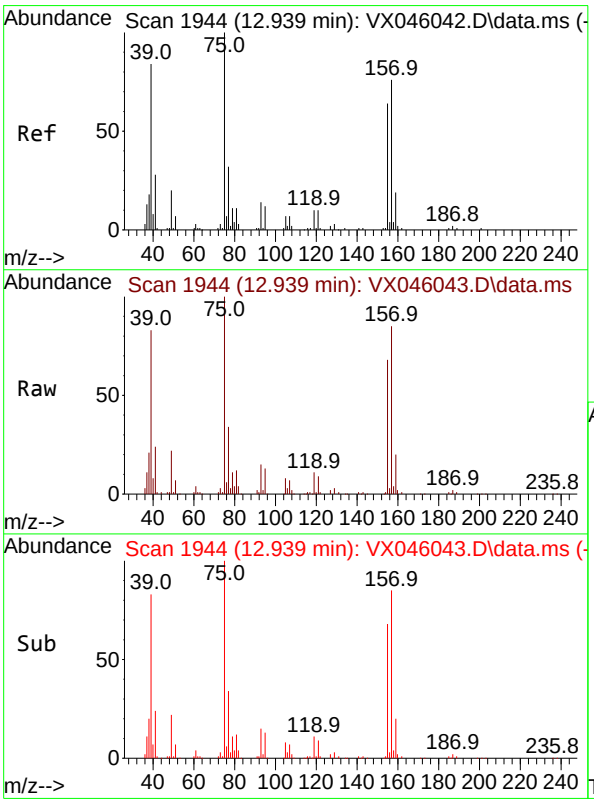
Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.4	67.3
148	64.0	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

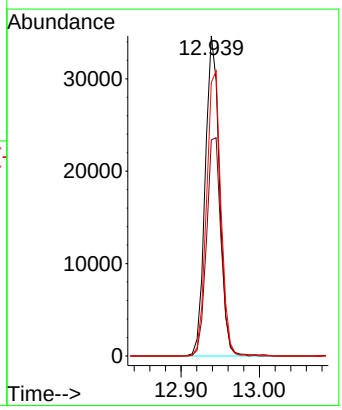
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

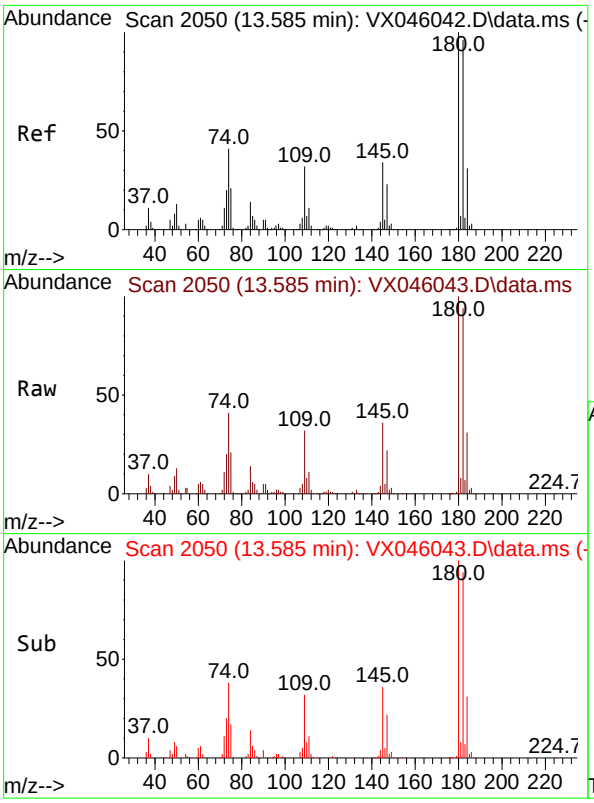


#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 43673

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	90.1	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 82.605 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

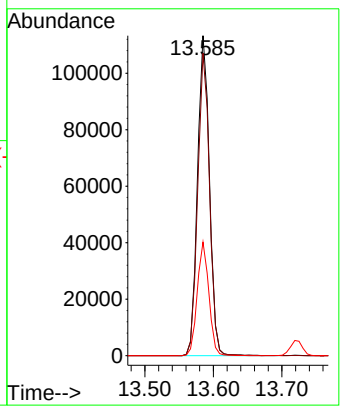
Tgt Ion:180 Resp: 13743

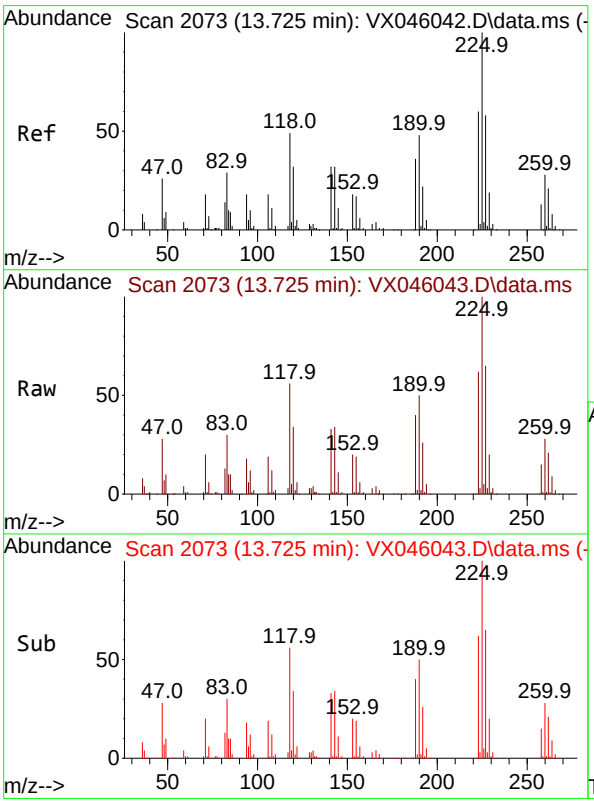
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	34.6	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

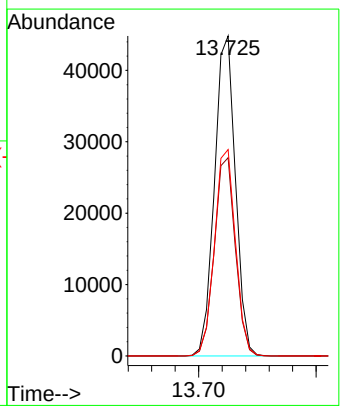


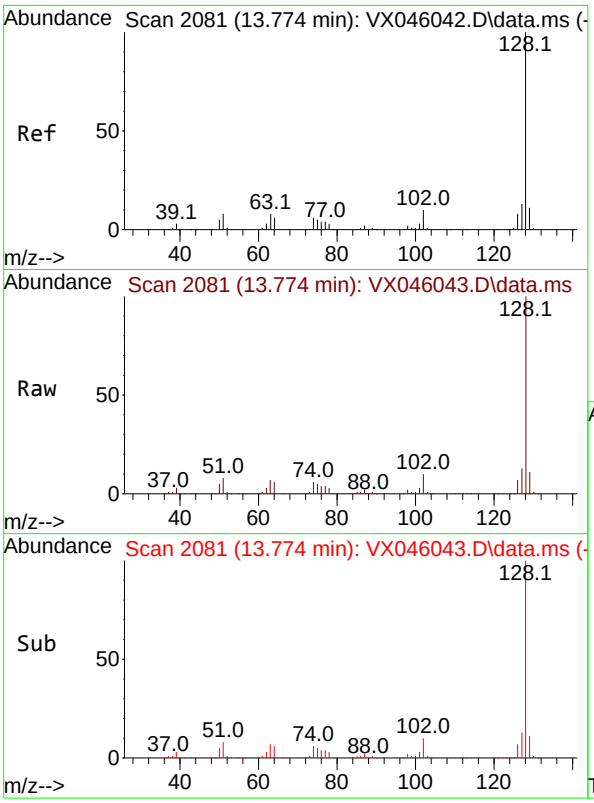


#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:225 Resp: 55494

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.8	92.4
227	64.9	30.9	92.7

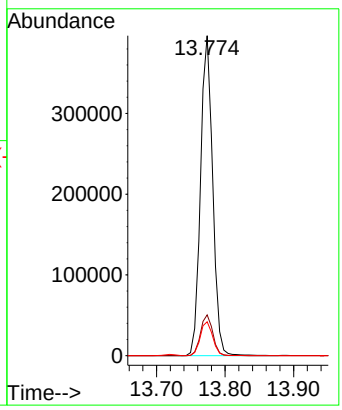




#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:128 Resp: 48977

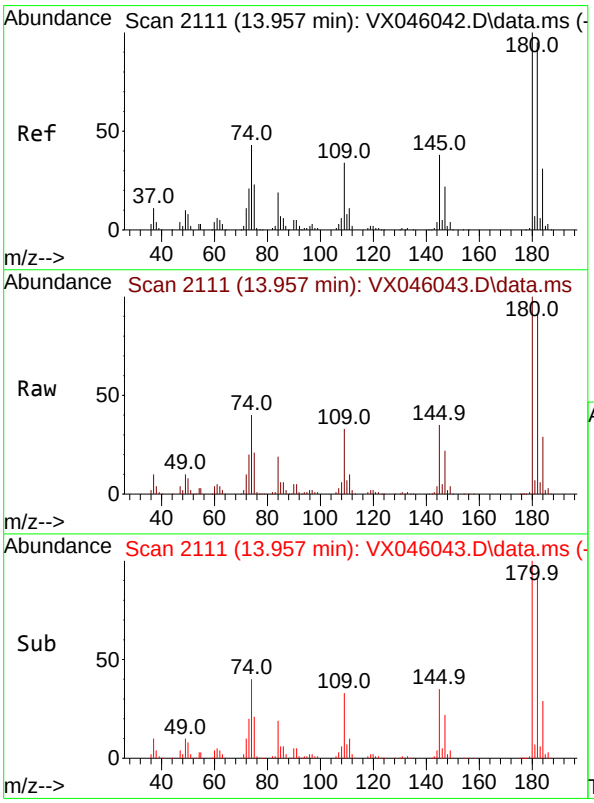
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

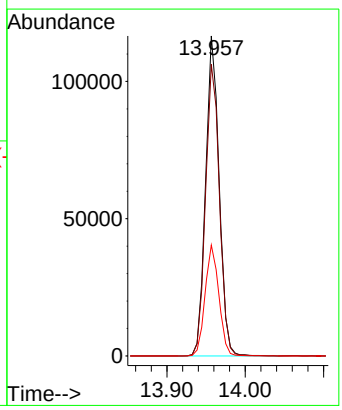
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 139525

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.8	143.3
145	35.3	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l		98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l		99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l		100
44) Trichloroethene	7.117	130	157641	114.032	ug/l		96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l		99
46) Dibromomethane	7.574	93	125846	109.869	ug/l		100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l		98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l		99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l		100
52) Toluene	8.714	92	393323	113.430	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l		97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l		99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l		100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l		99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l		98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l		97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l		96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l		99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l		99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l		100
69) o-Xylene	10.640	106	279906	113.990	ug/l		99
70) Styrene	10.653	104	474254	120.694	ug/l		99
71) Bromoform	10.799	173	125986	127.128	ug/l	#	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l		99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l		
77) Bromobenzene	11.195	156	167934	110.297	ug/l		99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l		100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l		93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l		100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l		99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l		99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l		100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l		100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l		98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l		99
95) Naphthalene	13.774	128	721236	130.929	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

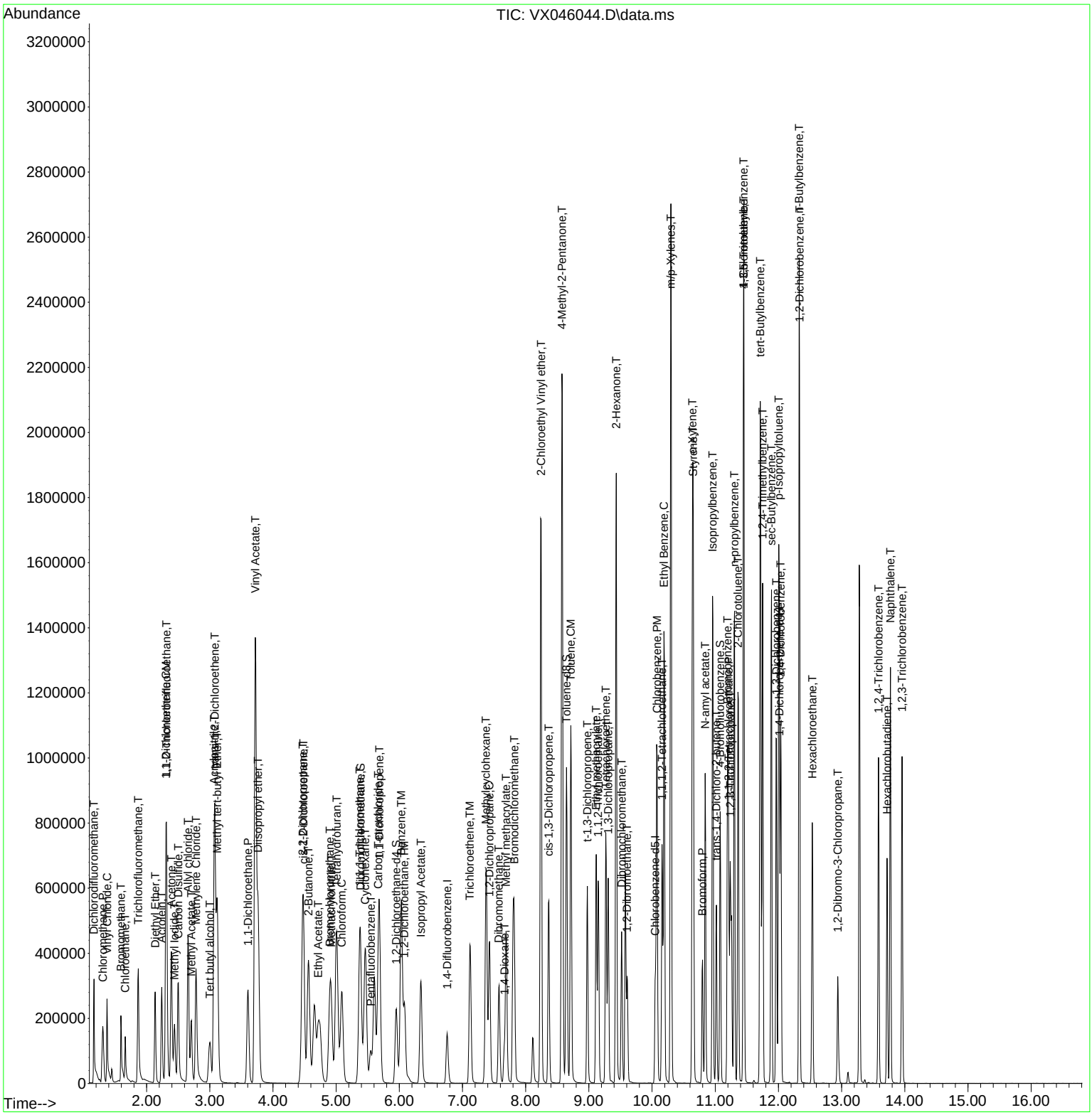
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

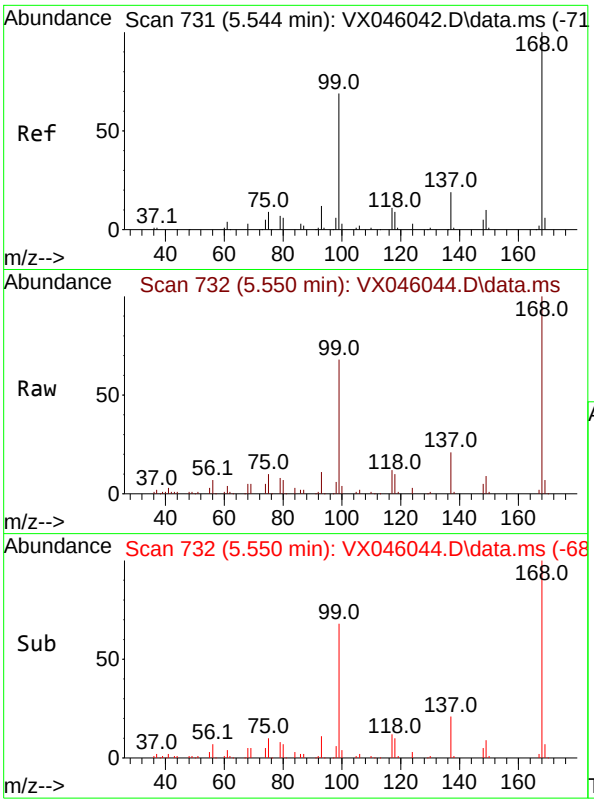
Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

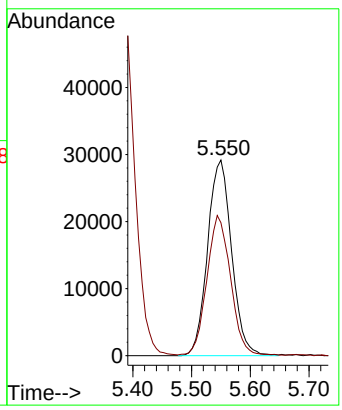




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:168 Resp: 8296

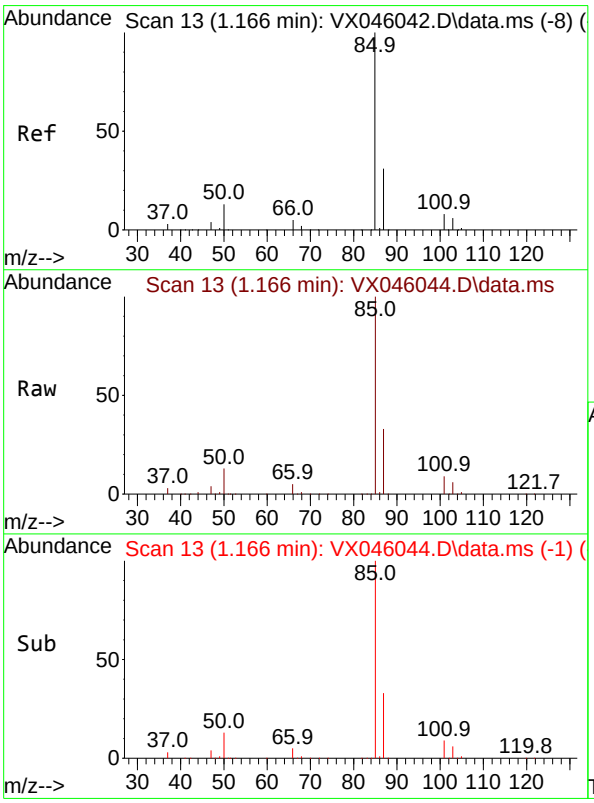
Ion	Ratio	Lower	Upper
168	100		
99	67.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

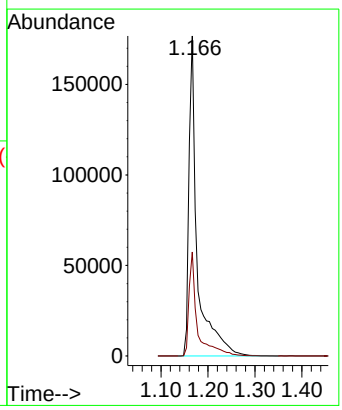
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

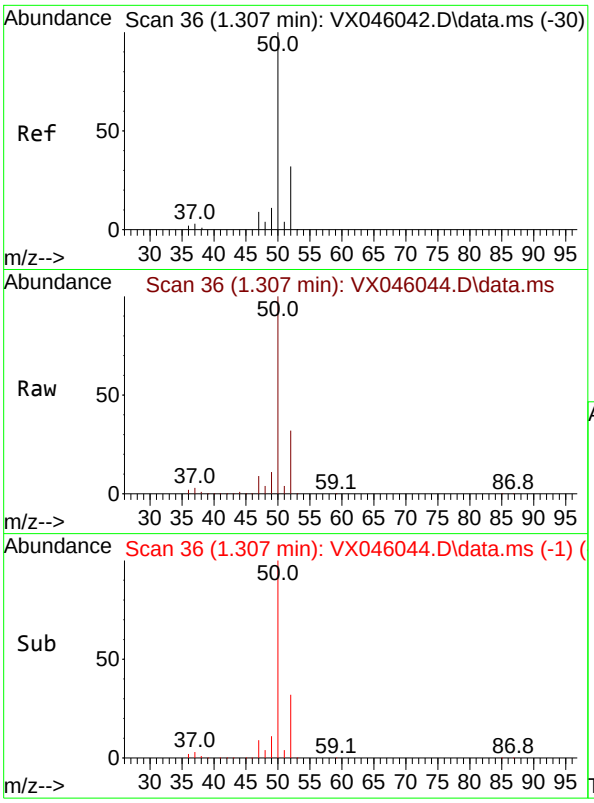


#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1





#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 50 Resp: 19684

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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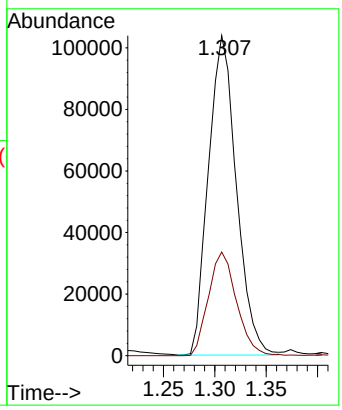
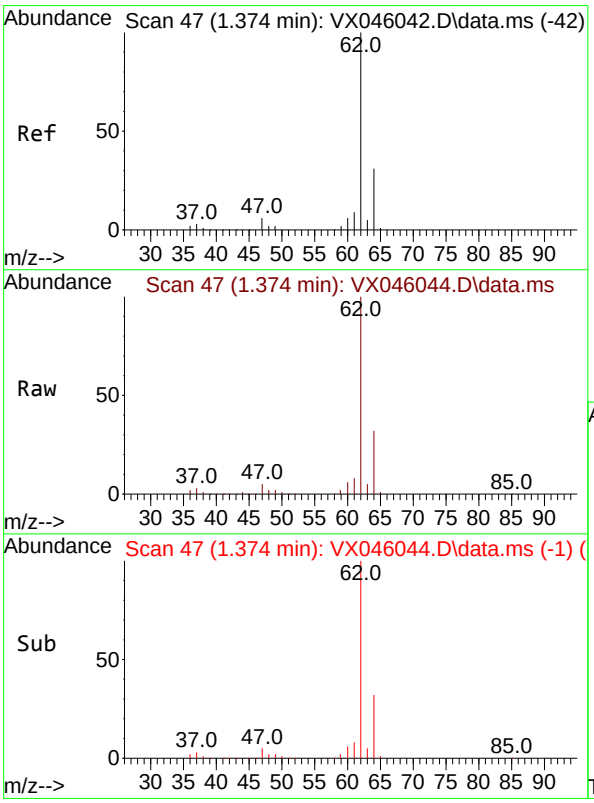
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

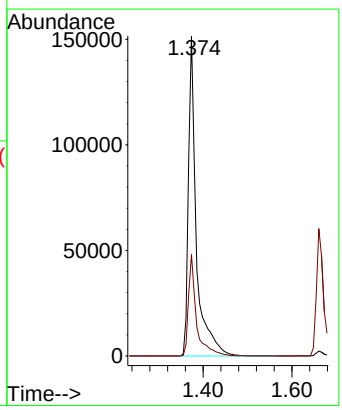


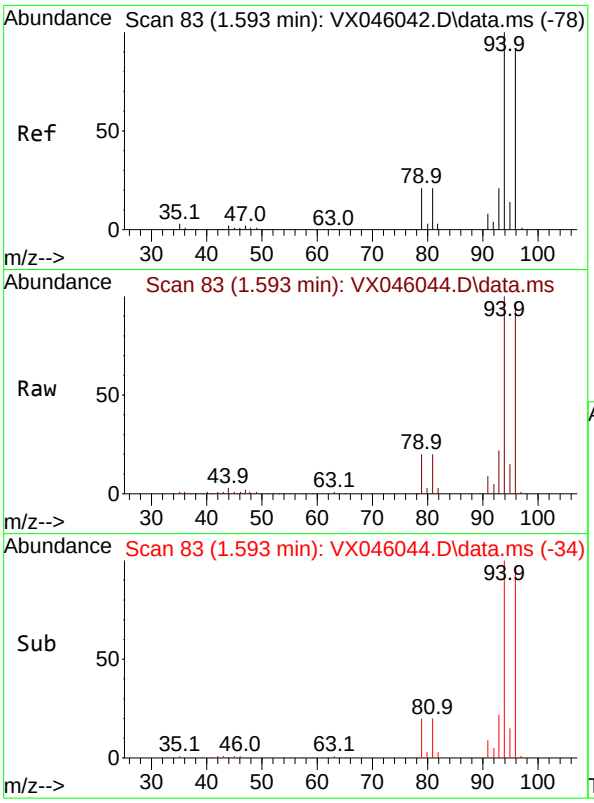


#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 187924

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8

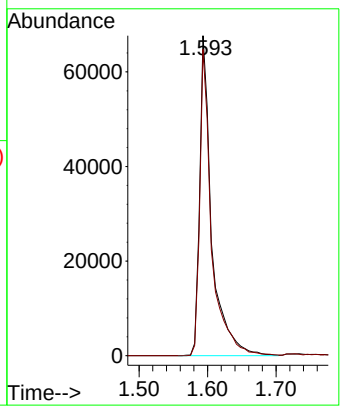




#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 94 Resp: 8300

Ion	Ratio	Lower	Upper
94	100		
96	95.8	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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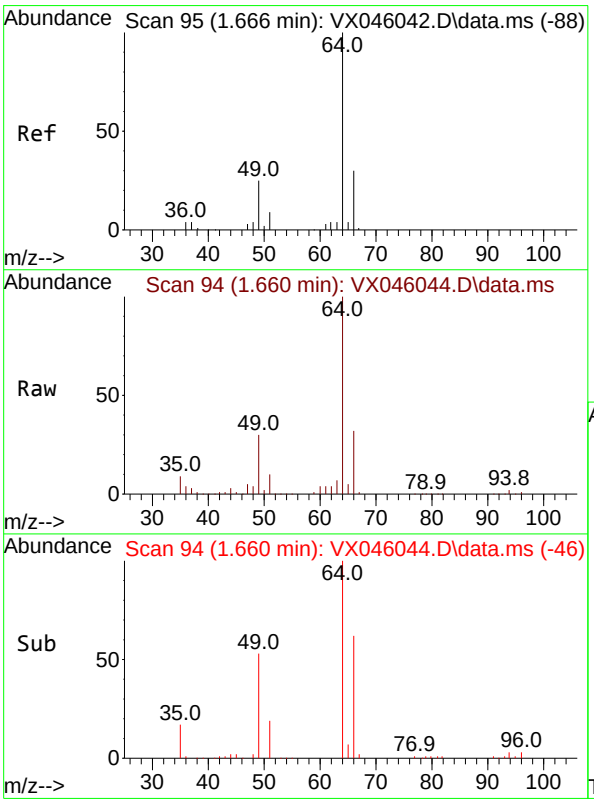
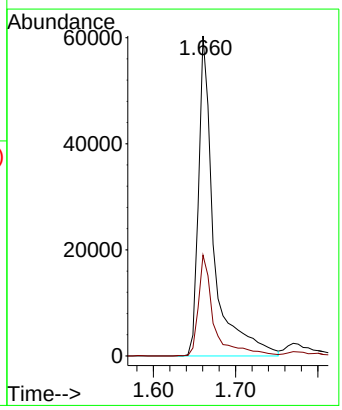
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

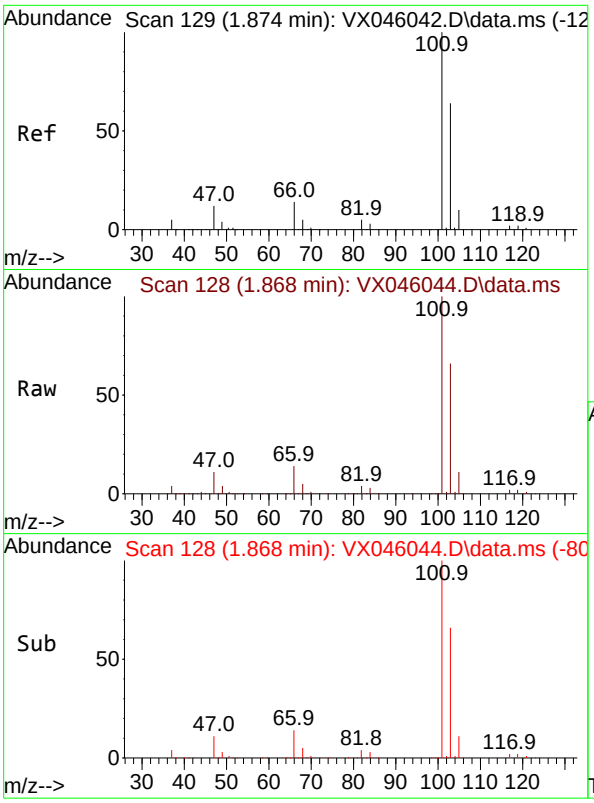


#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5

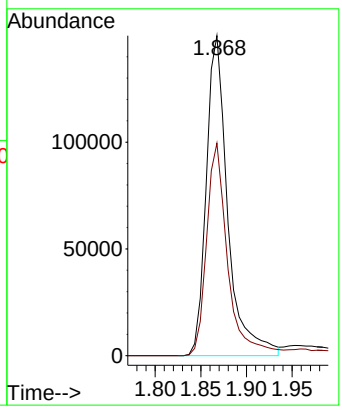




#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:101 Resp: 24510

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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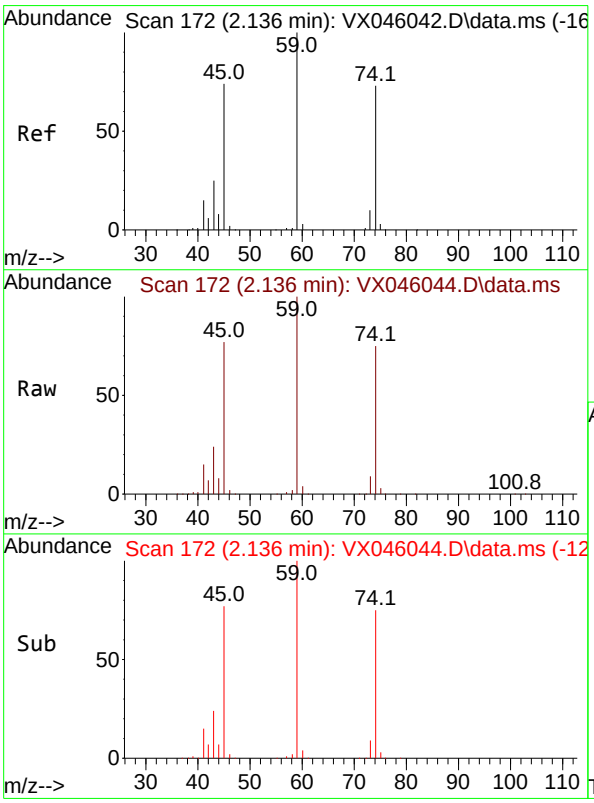
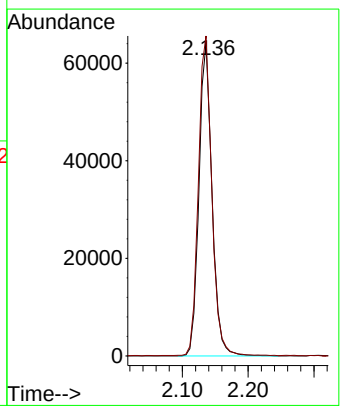
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

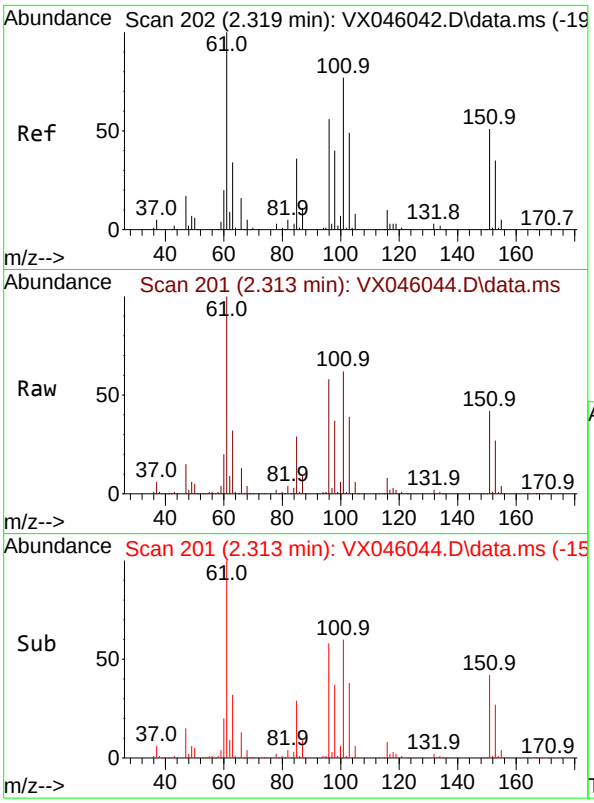


#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441

Ion	Ratio	Lower	Upper
74	100		
45	104.7	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.243 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 16140

Ion	Ratio	Lower	Upper
101	100		
85	46.8	38.6	58.0
151	69.8	55.2	82.8

Manual Integrations
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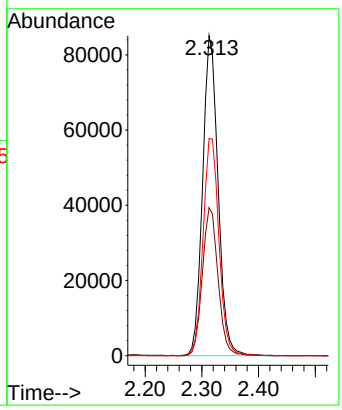
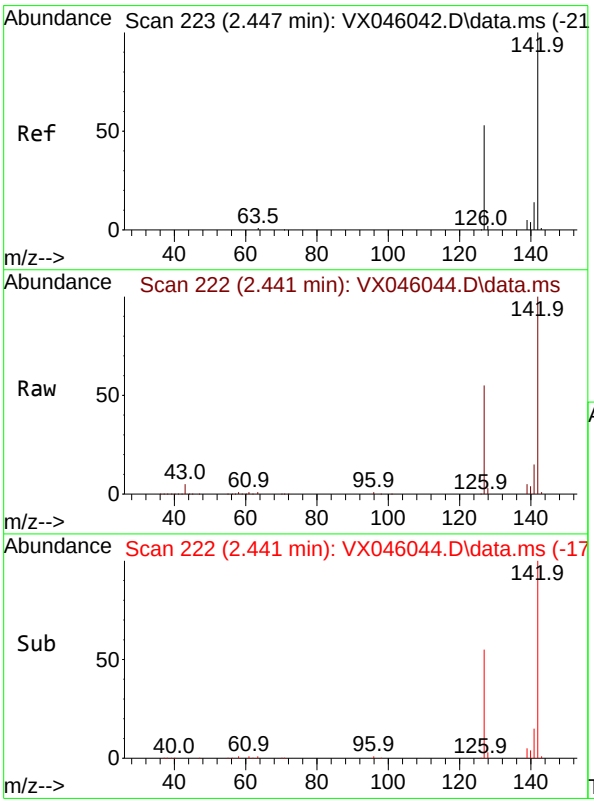
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

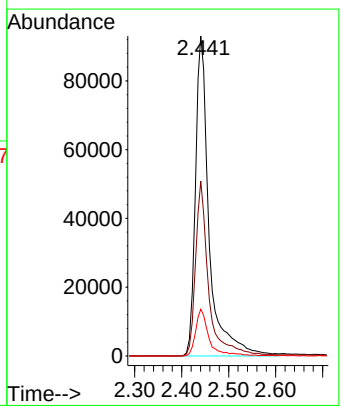


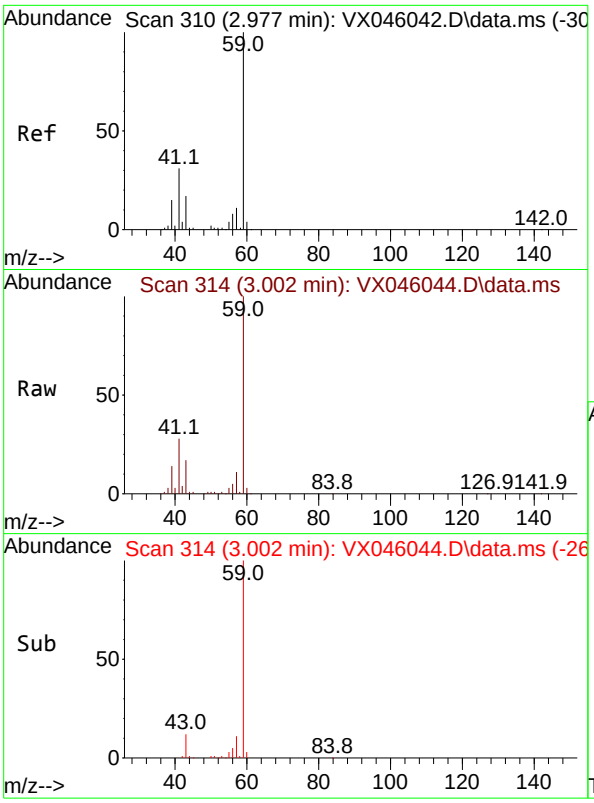


#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:142 Resp: 189843

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.7	62.5
141	14.4	11.5	17.3

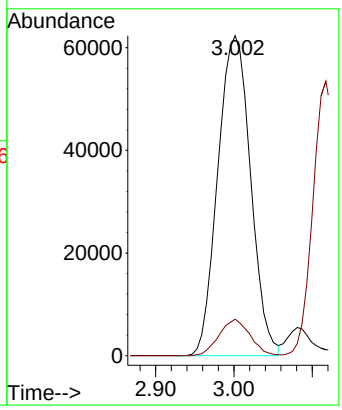




#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 59 Resp: 18123

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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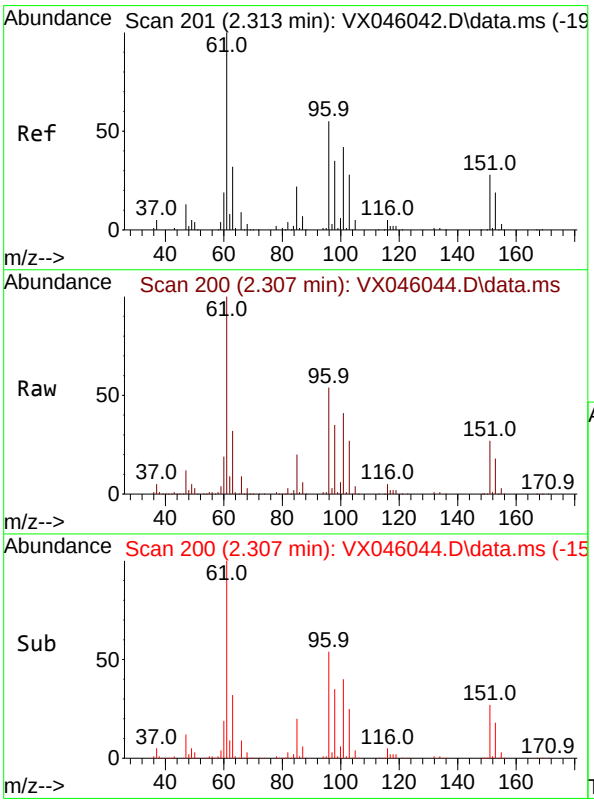
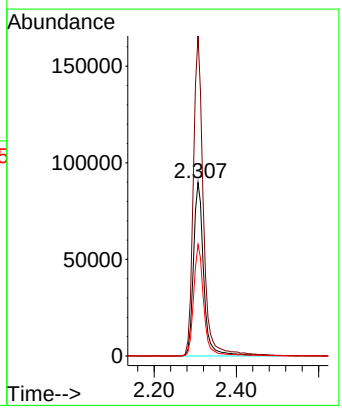
Supervised By :Mahesh Dadoda 05/06/2025

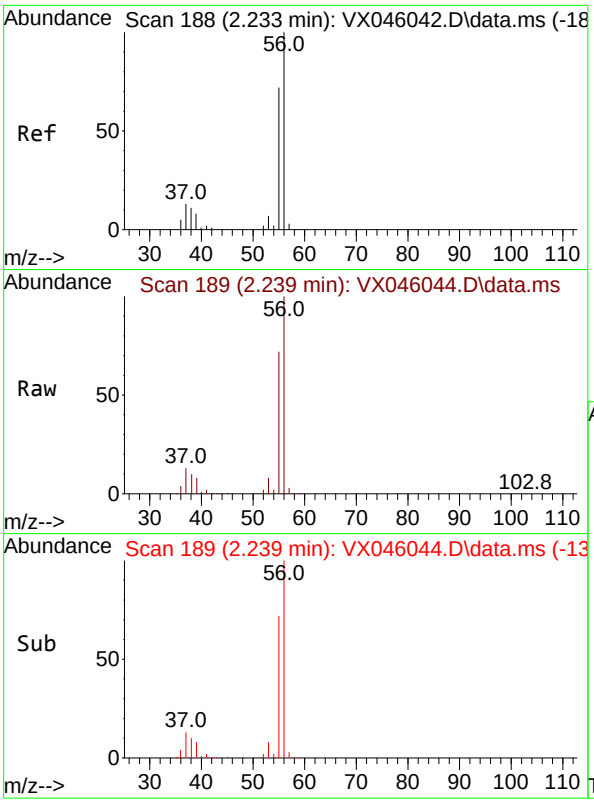


#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 155451

Ion	Ratio	Lower	Upper
96	100		
61	184.5	146.2	219.2
98	64.3	51.0	76.6

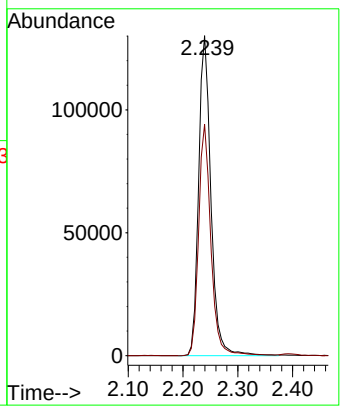




#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 20325

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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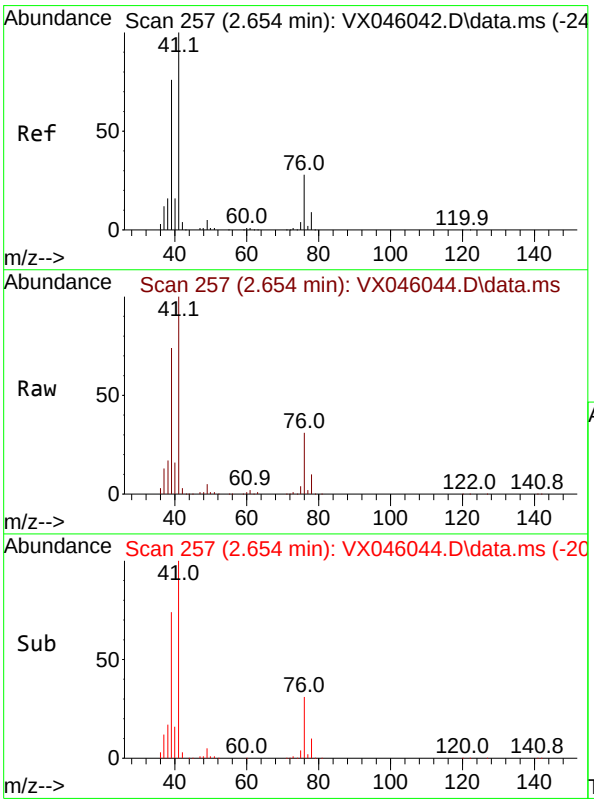
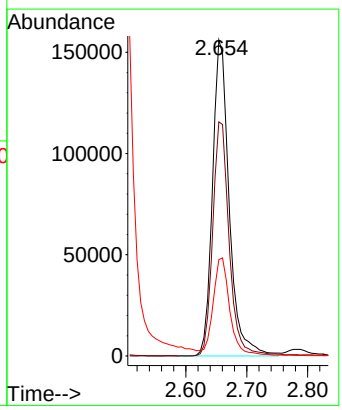
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

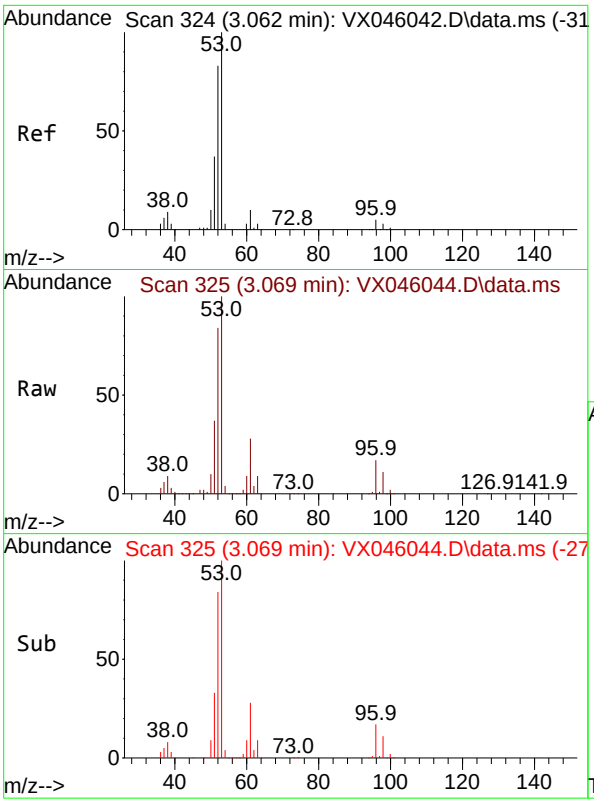


#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 297776

Ion	Ratio	Lower	Upper
41	100		
39	73.7	60.6	90.8
76	31.8	24.9	37.3





#15
Acrylonitrile
Concen: 550.973 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 53 Resp: 48485

Ion	Ratio	Lower	Upper
53	100		
52	84.2	65.3	97.9
51	37.5	29.8	44.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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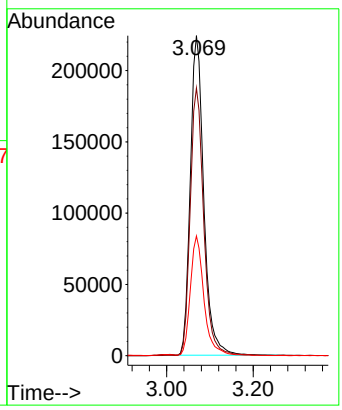
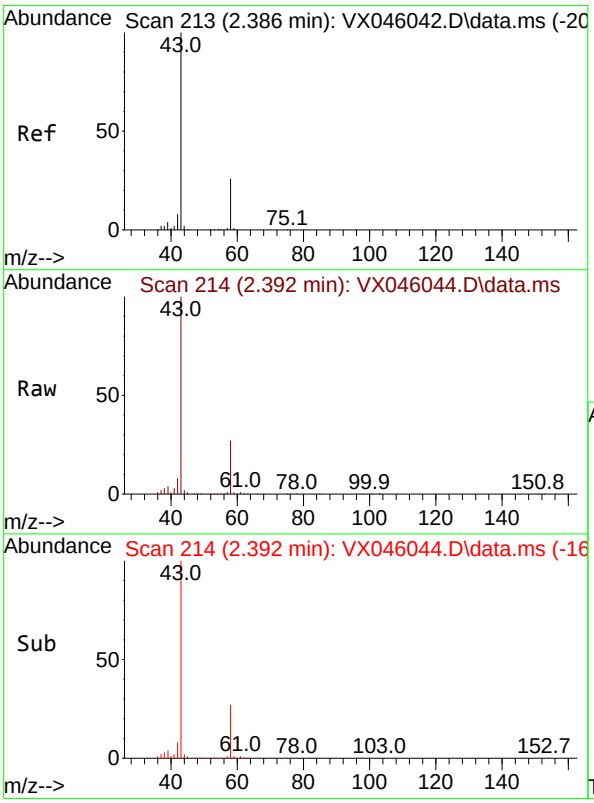
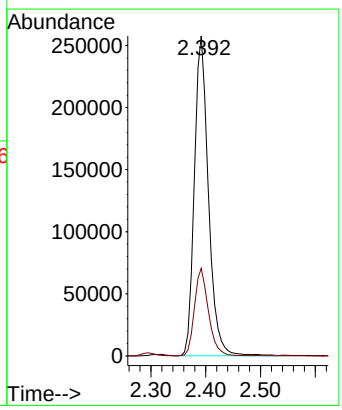


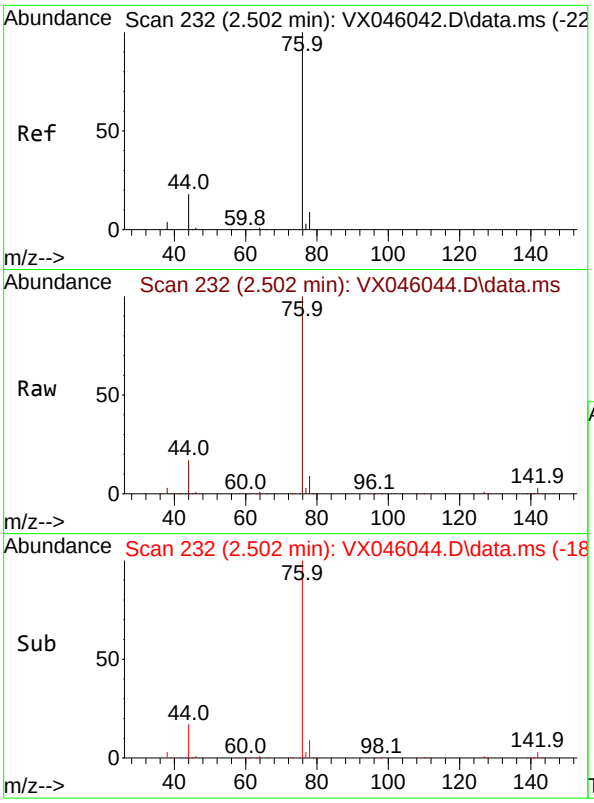


#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8





#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 39735

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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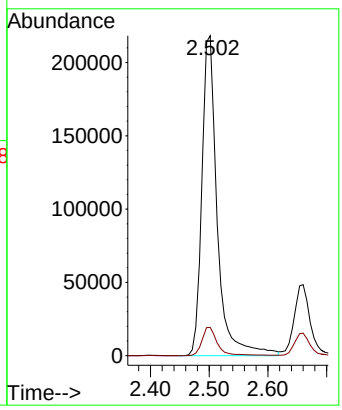
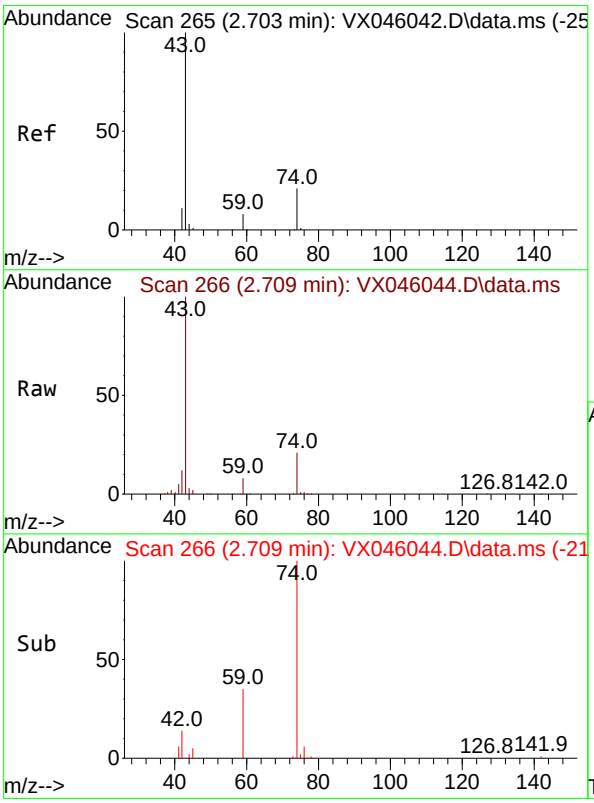
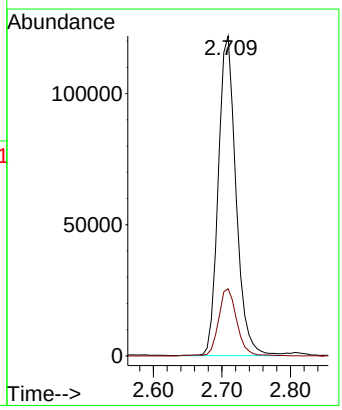


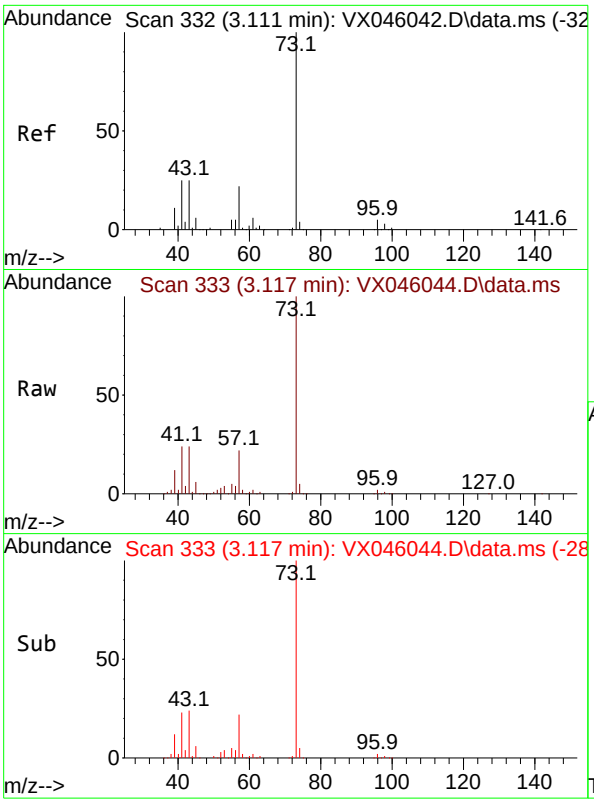


#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1

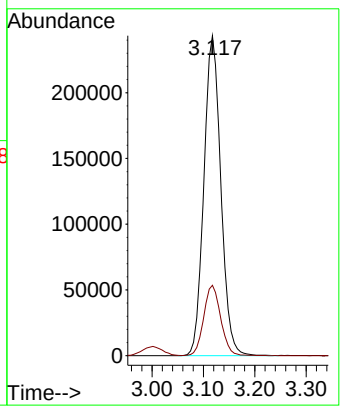




#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 73 Resp: 55721

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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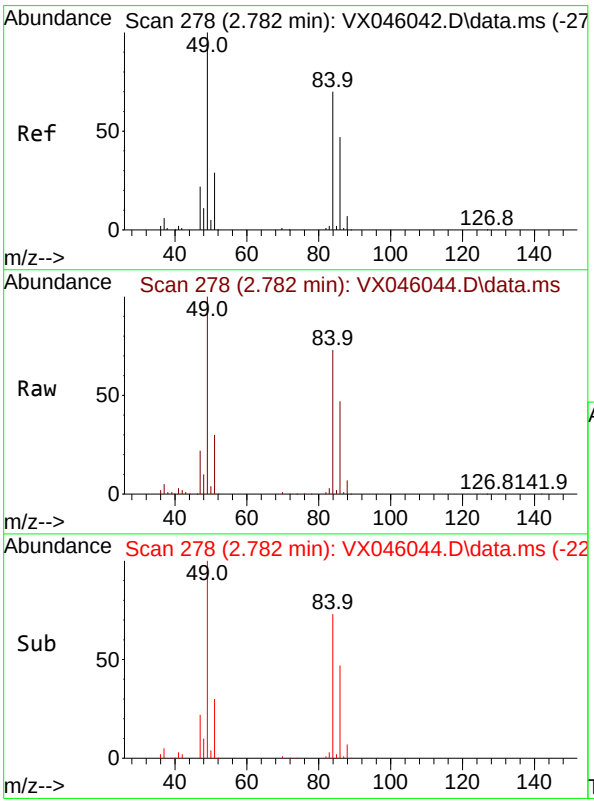
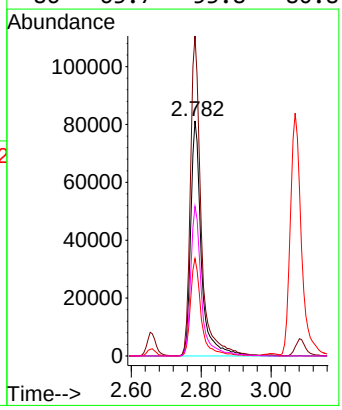
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

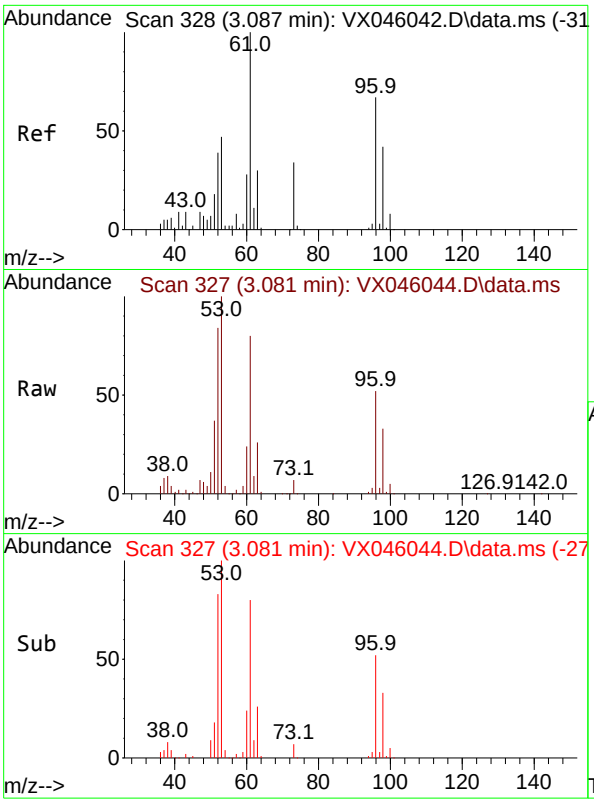


#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 84 Resp: 172035

Ion	Ratio	Lower	Upper
84	100		
49	136.0	113.9	170.9
51	41.5	33.5	50.3
86	63.7	53.8	80.8

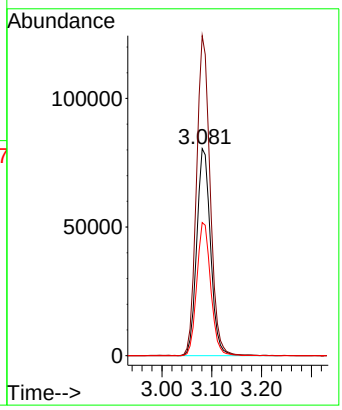




#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 15469

Ion	Ratio	Lower	Upper
96	100		
61	154.6	119.5	179.3
98	64.3	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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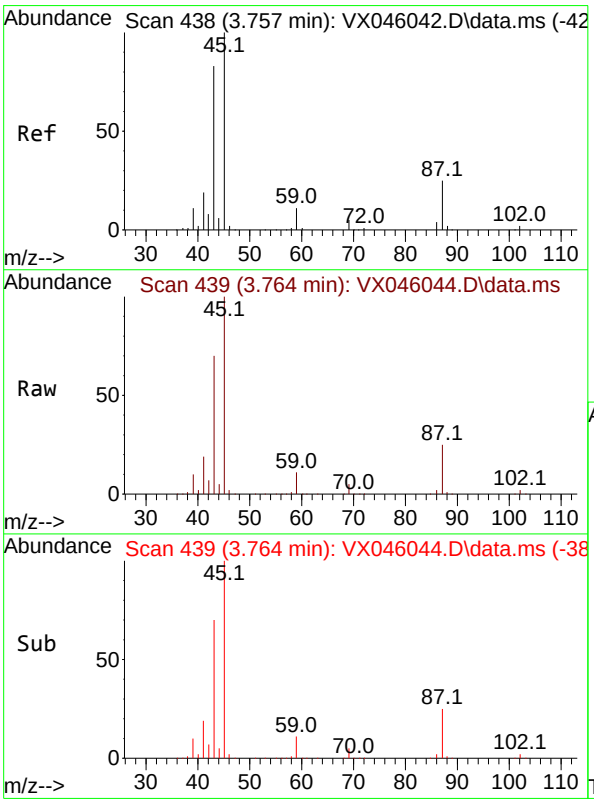
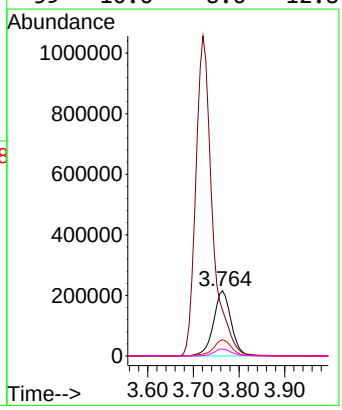
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

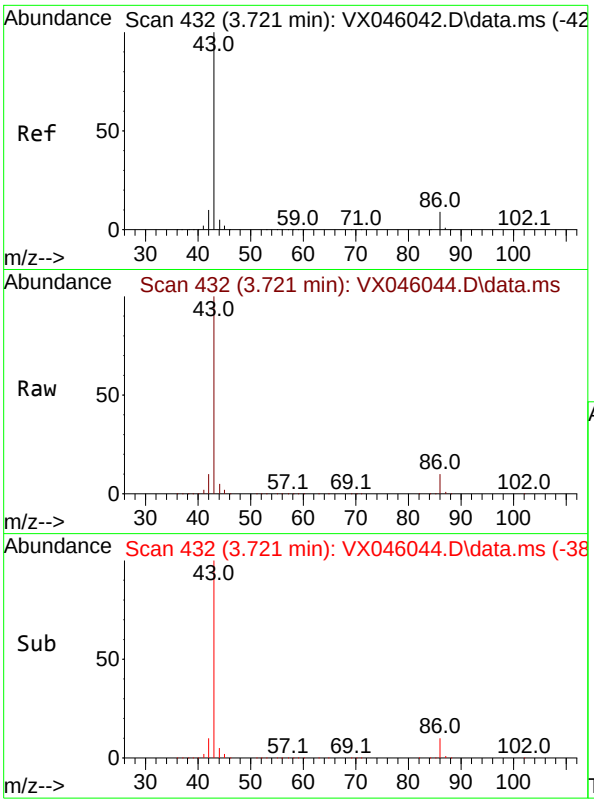


#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 45 Resp: 577610

Ion	Ratio	Lower	Upper
45	100		
43	70.3	66.6	100.0
87	24.7	19.8	29.6
59	10.6	8.6	12.8

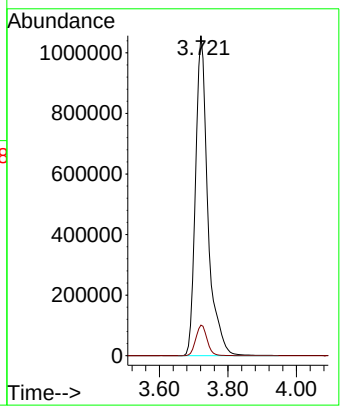




#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 265575

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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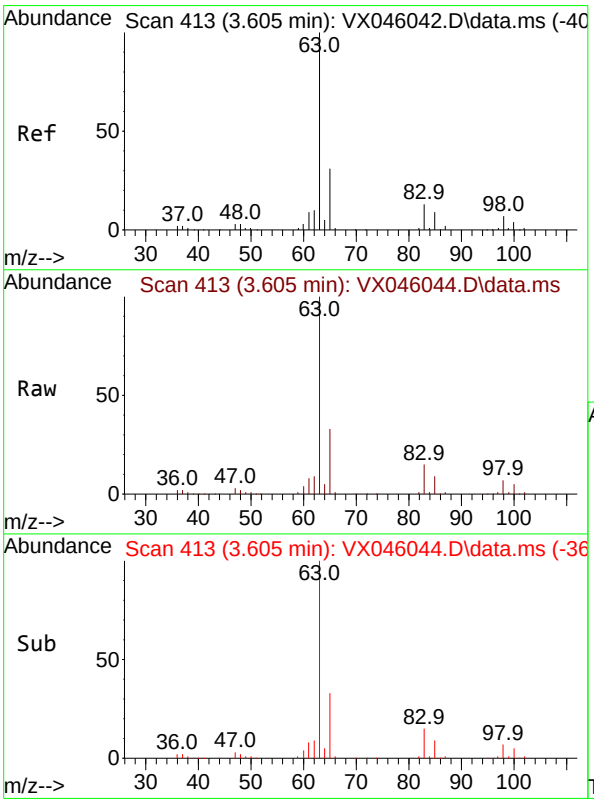
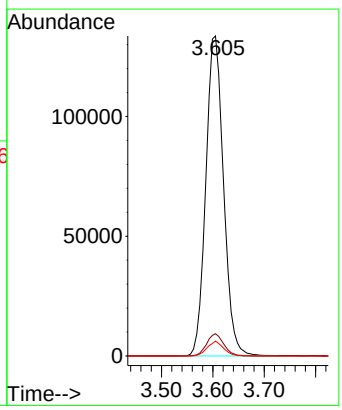
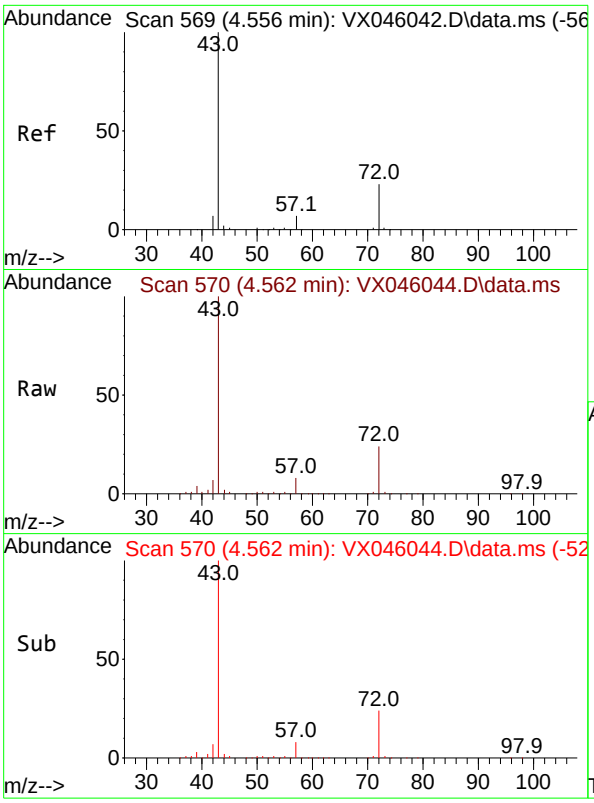


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 320083

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.7	2.1	6.3

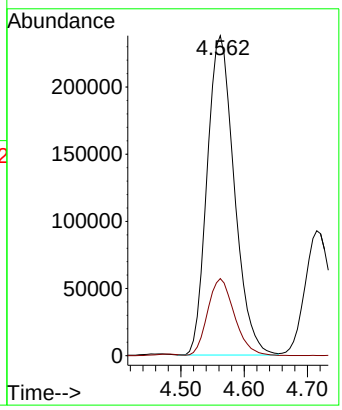




#25
2-Butanone
Concen: 581.292 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 70846

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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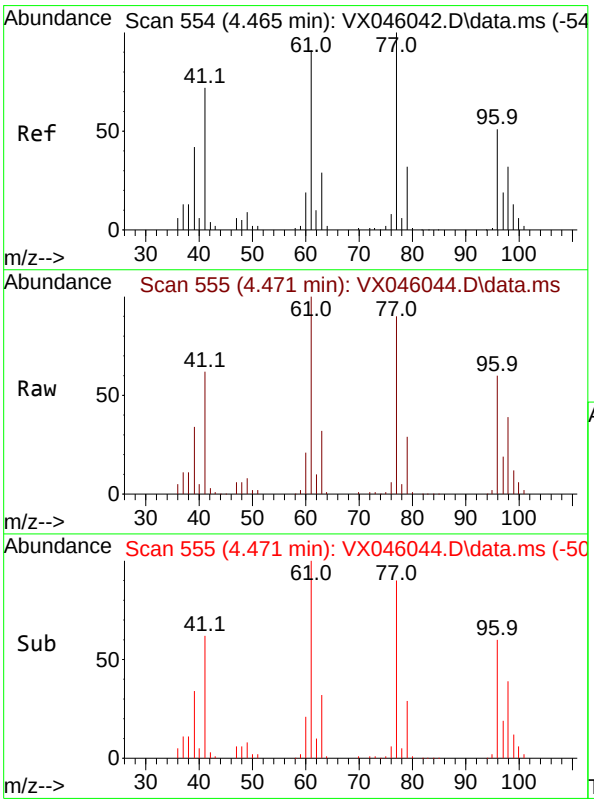
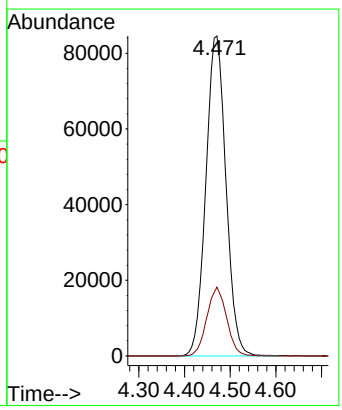
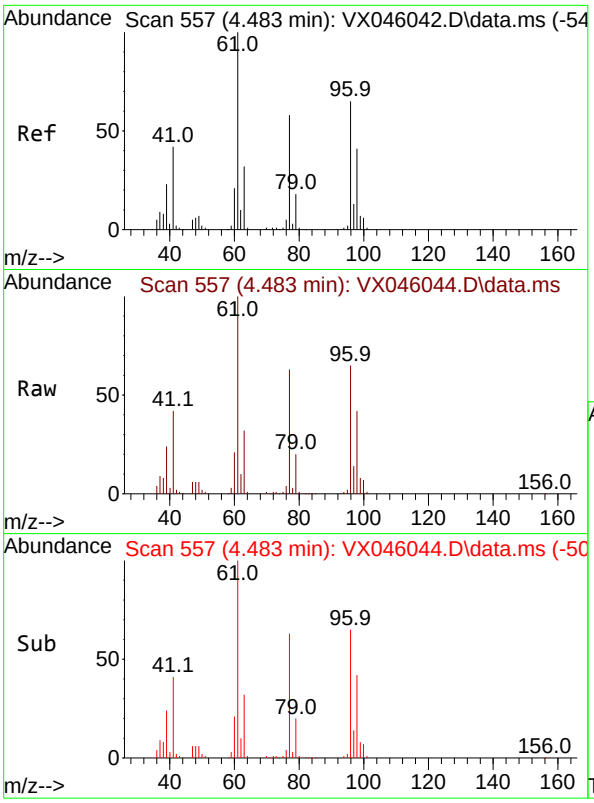


#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 77 Resp: 258698

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 108.994 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 18783

Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	322.8
98	64.8	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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Reviewed By :John Carlone 05/06/2025
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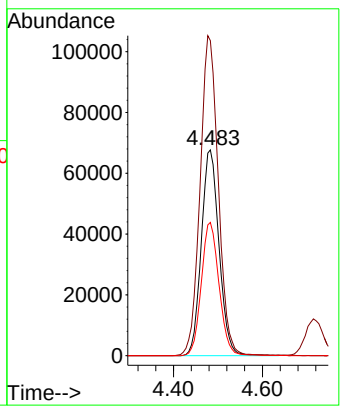
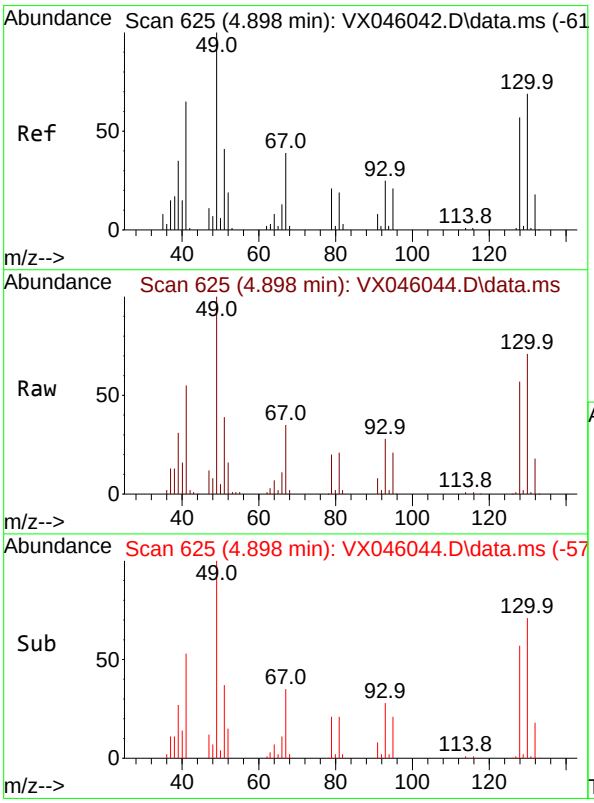
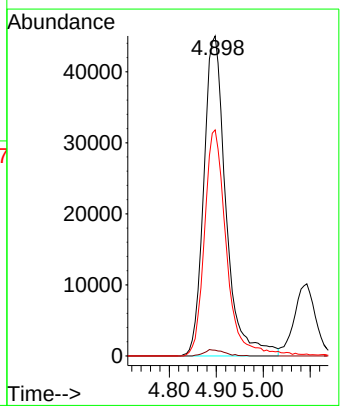


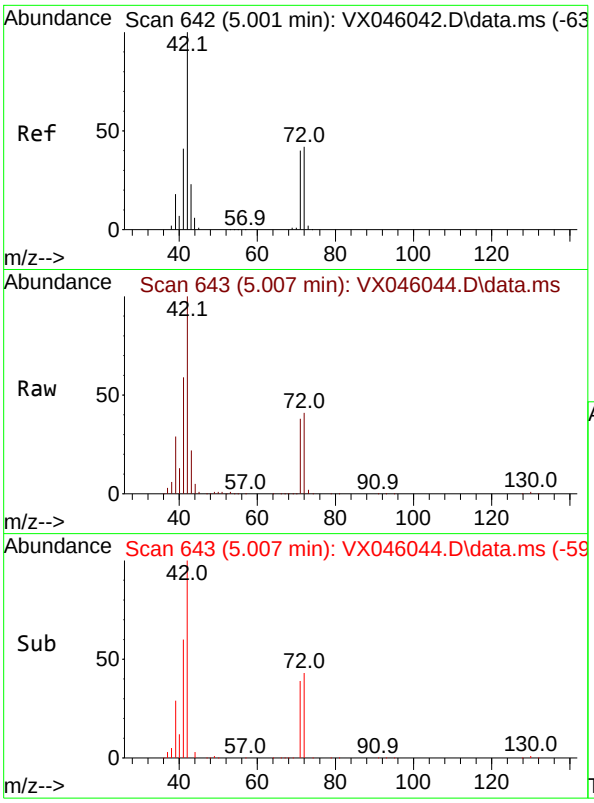


#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 49 Resp: 146923

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.5	56.2	84.2





#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 42 Resp: 45045

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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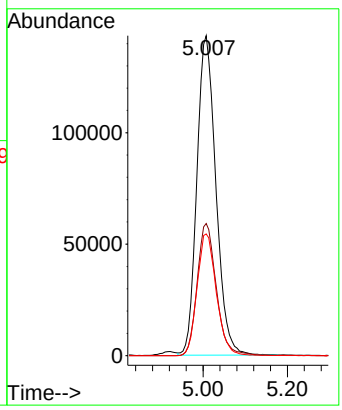
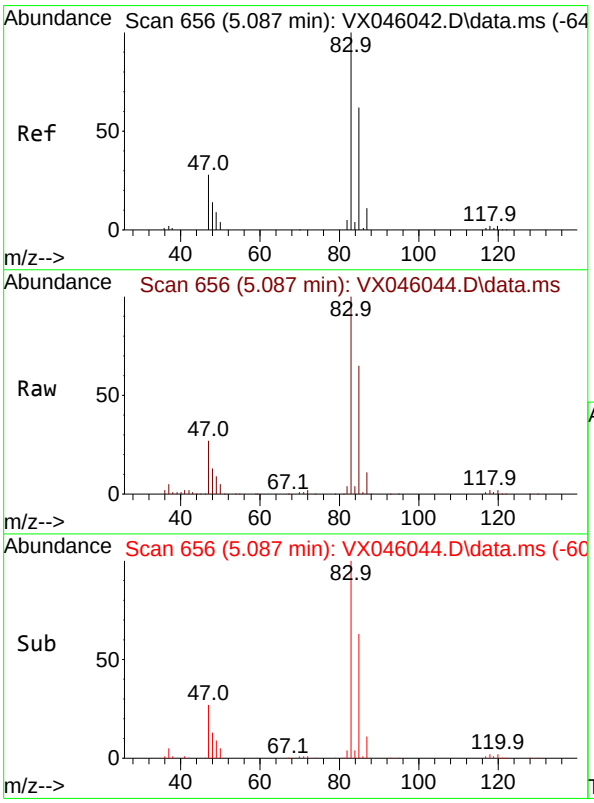
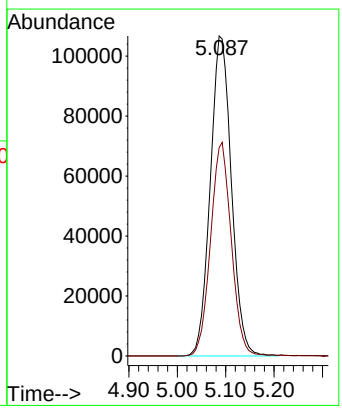


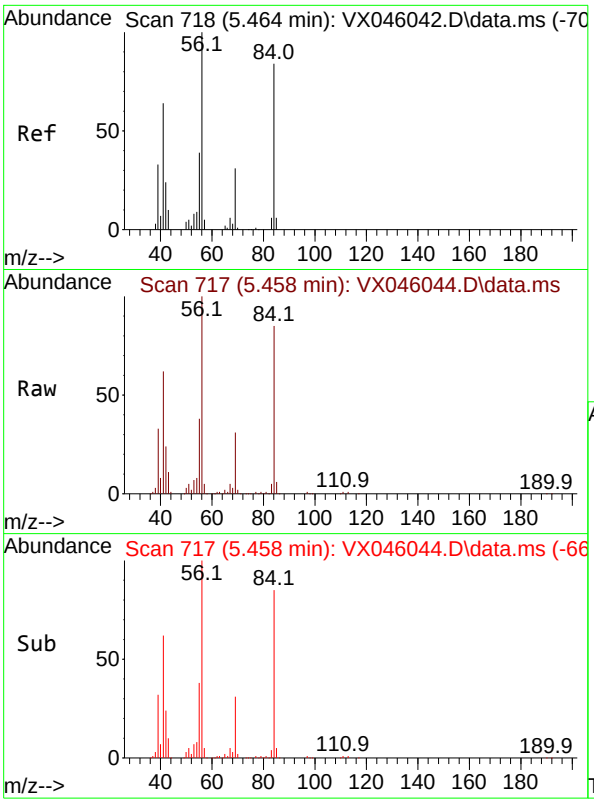


#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9

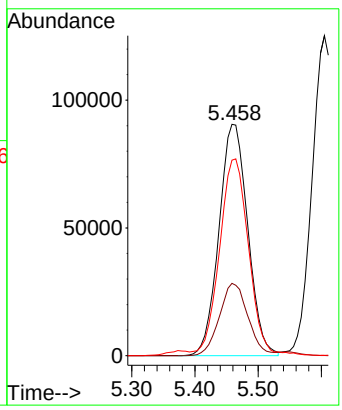




#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 28631

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.8	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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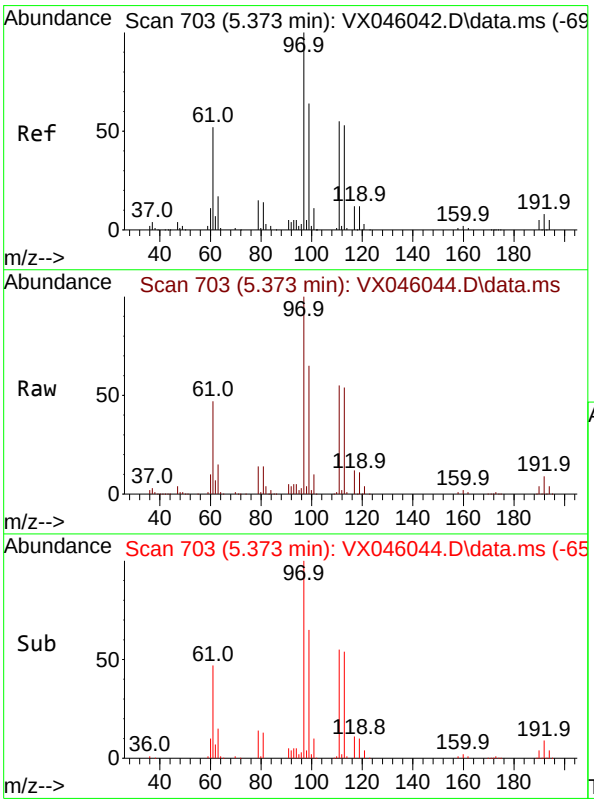
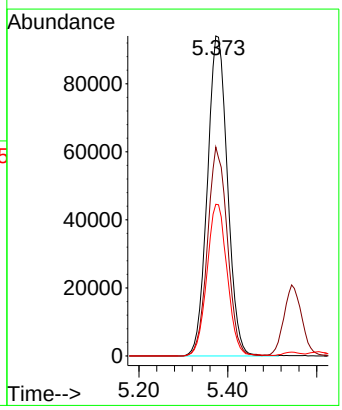
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

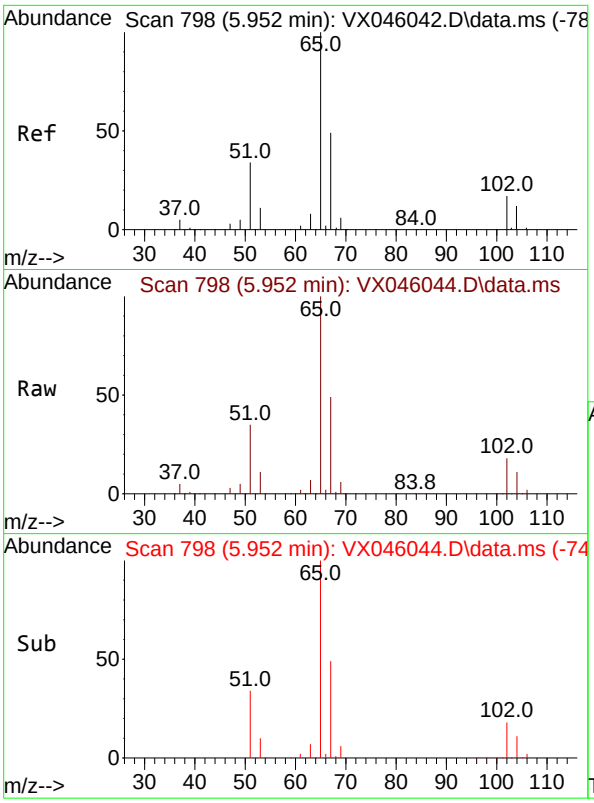


#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 295702

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	48.0	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 93.983 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 65 Resp: 23195

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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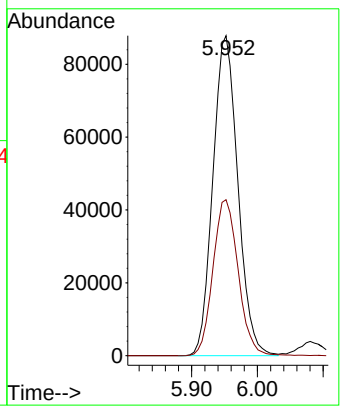
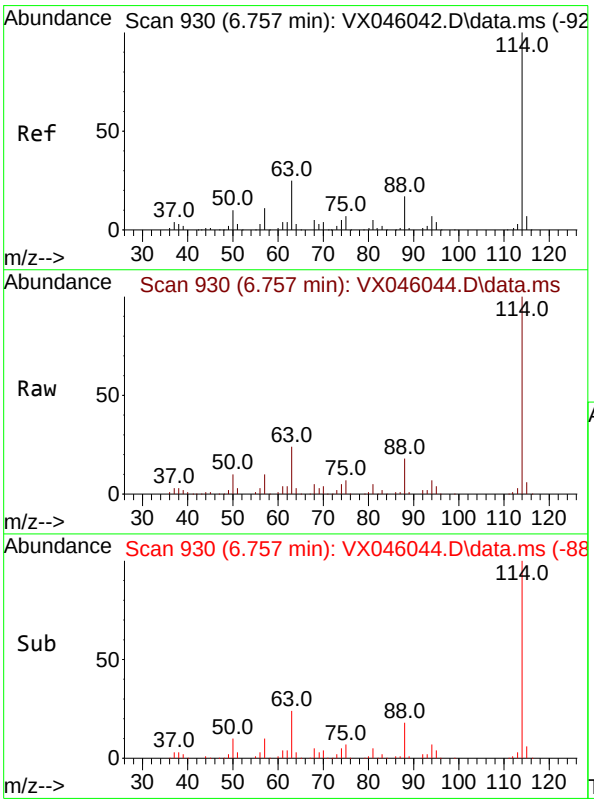
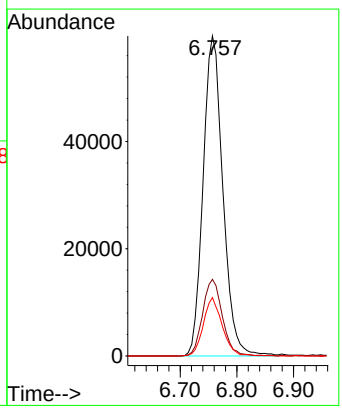


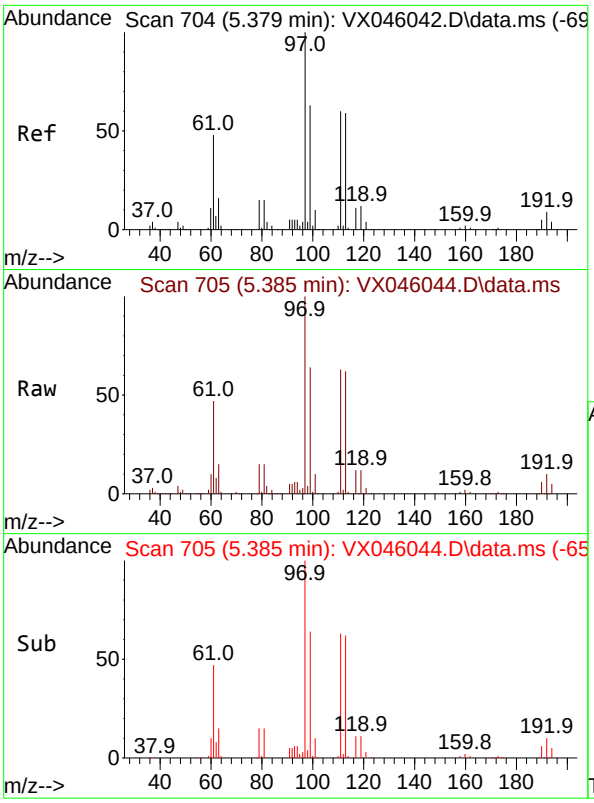


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:114 Resp: 144975

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	18.3	0.0	33.6

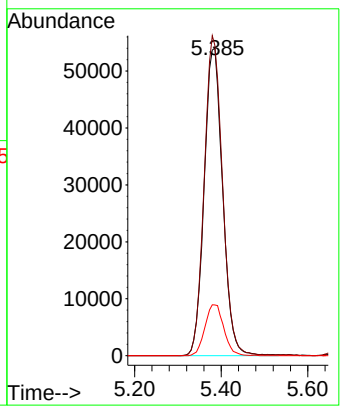




#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:113 Resp: 16016

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	16.9	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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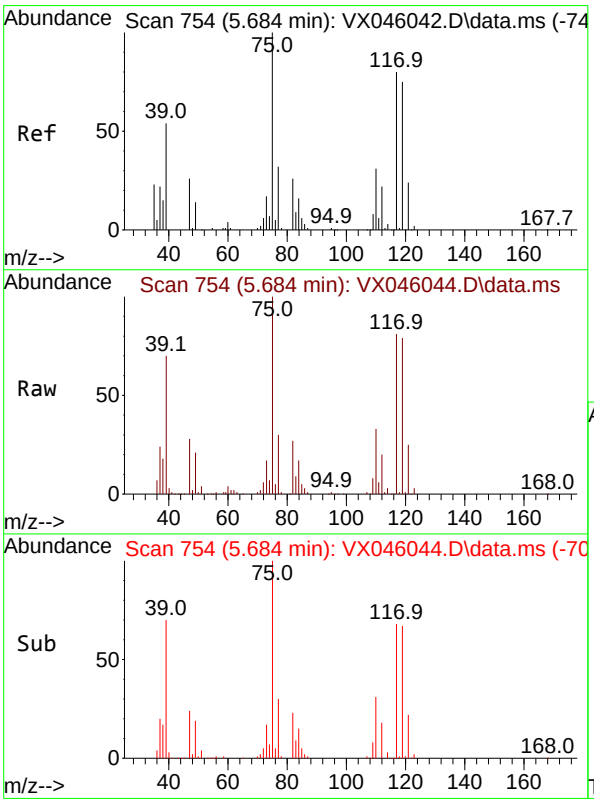
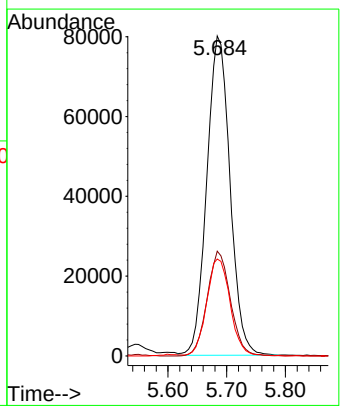
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

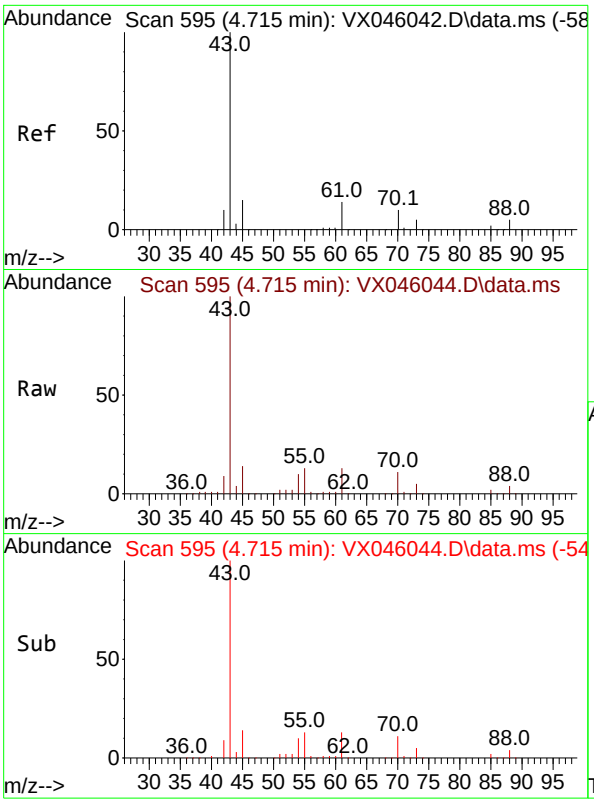


#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 219731

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.3	48.9
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 115.889 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 27431

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	10.2	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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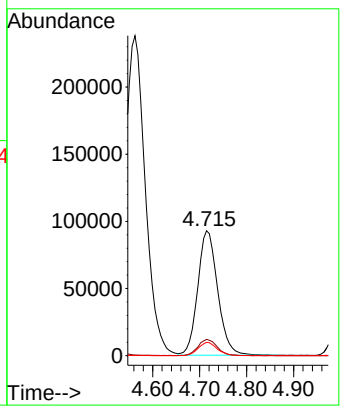
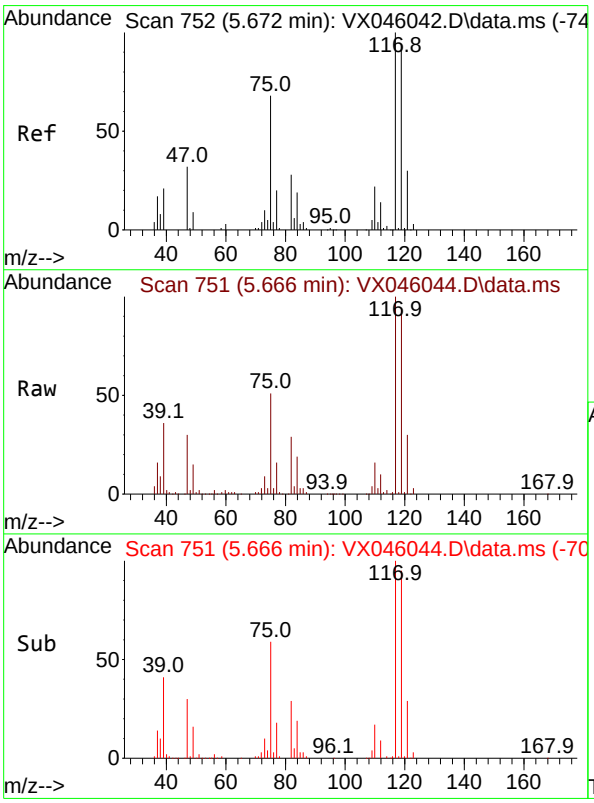
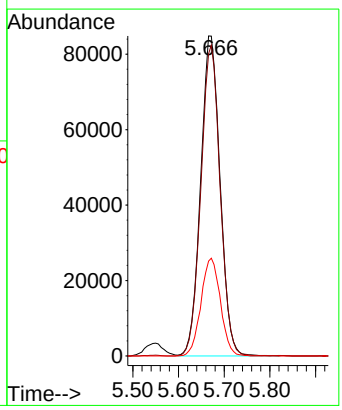


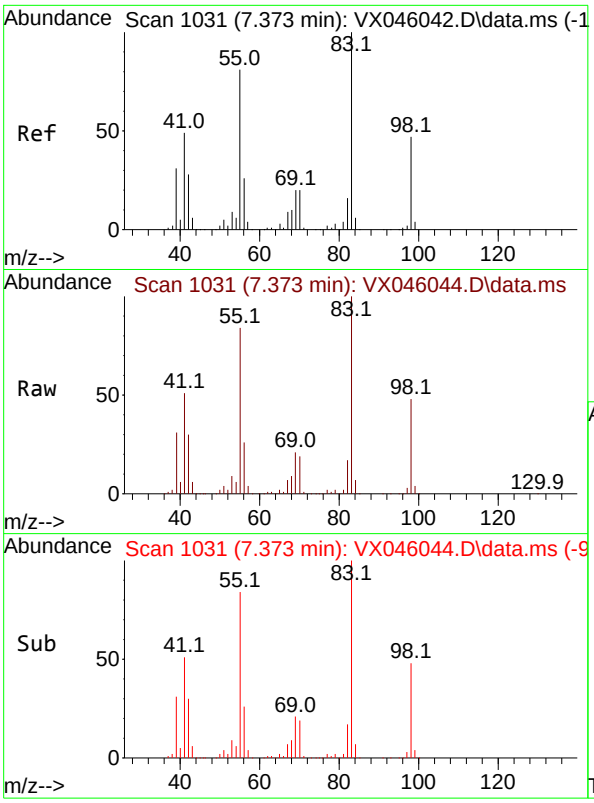


#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 250916

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.2	112.8
121	29.7	24.2	36.4





#39
Methylcyclohexane
Concen: 121.107 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 28631

Ion	Ratio	Lower	Upper
83	100		
55	83.8	64.7	97.1
98	47.8	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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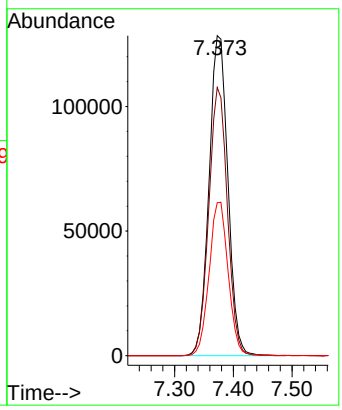
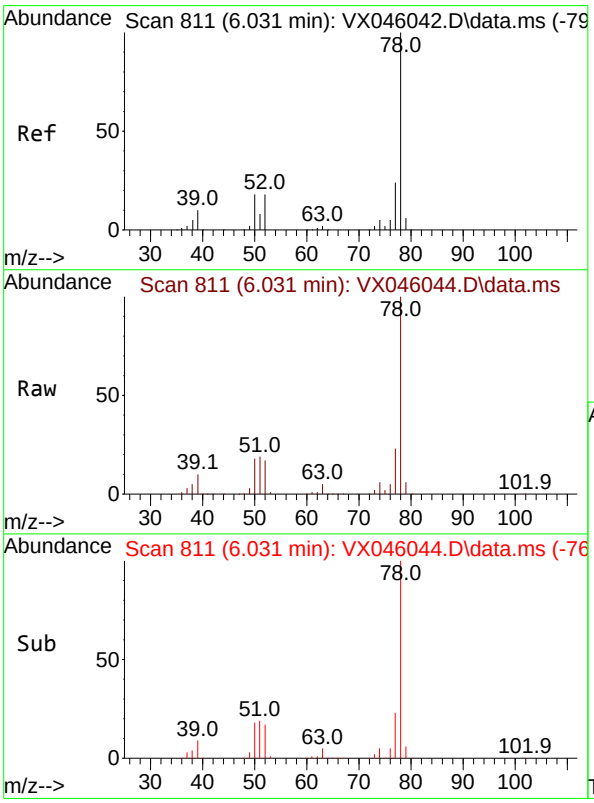
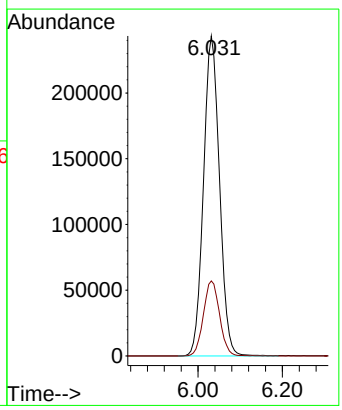


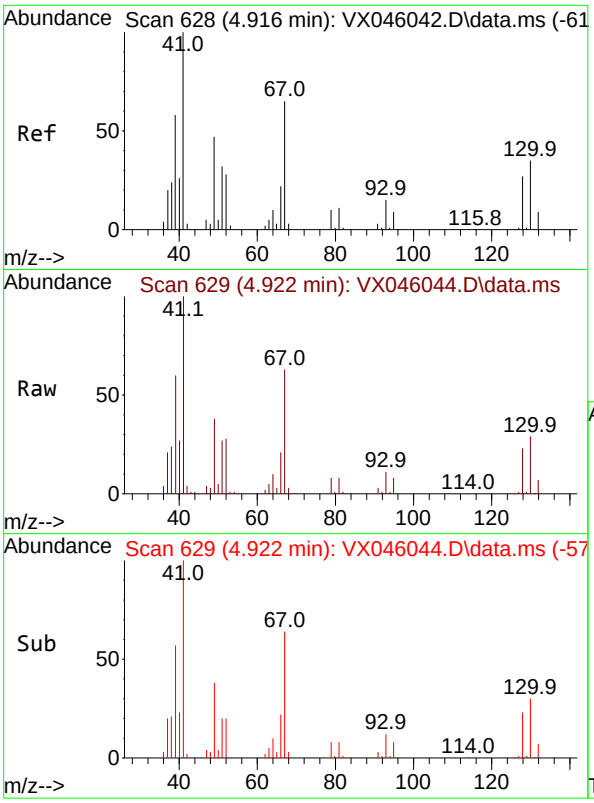


#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

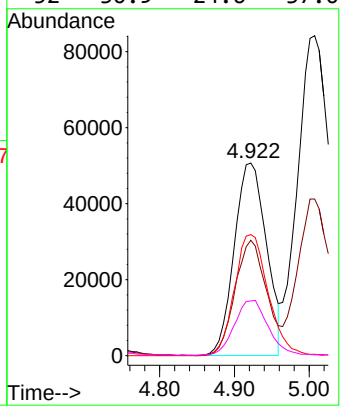




#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 15142

Ion	Ratio	Lower	Upper
41	100		
39	60.0	47.2	70.8
67	65.9	50.7	76.1
52	30.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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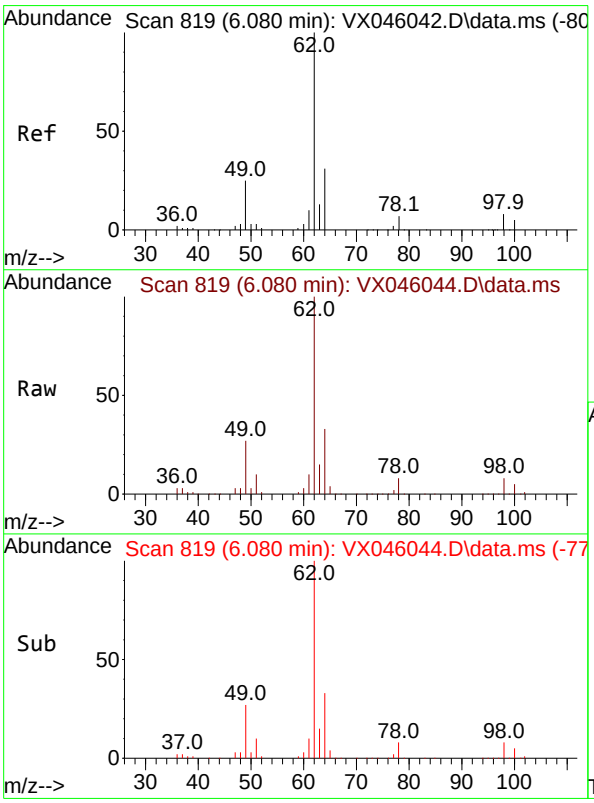
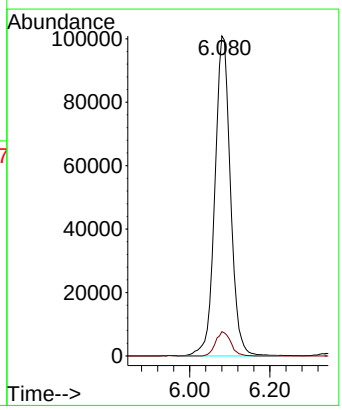
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

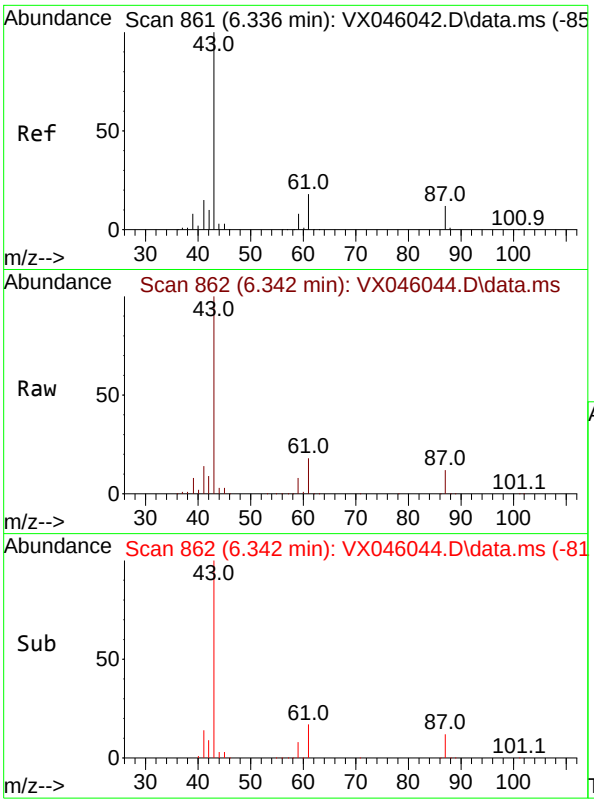


#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

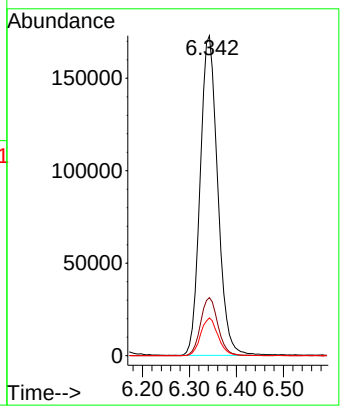




#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 44787

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.3	21.5
87	11.7	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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Reviewed By :John Carlone 05/06/2025
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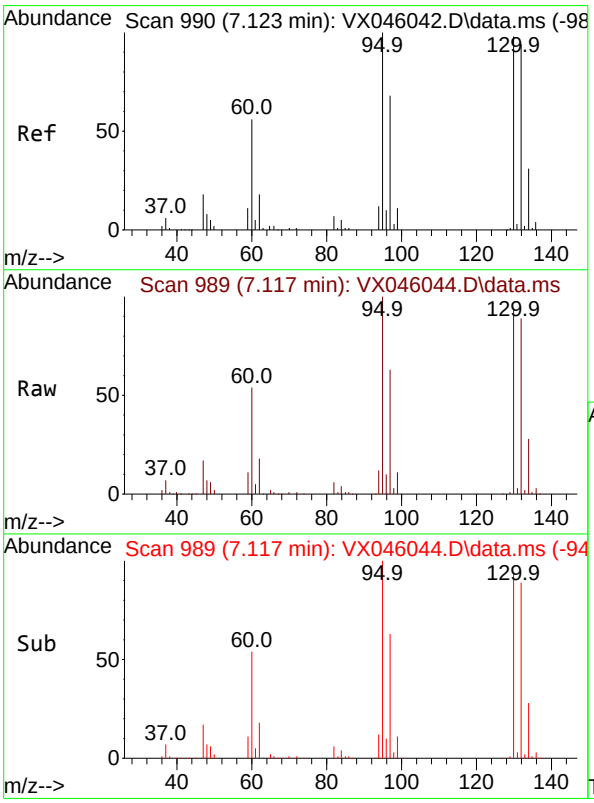
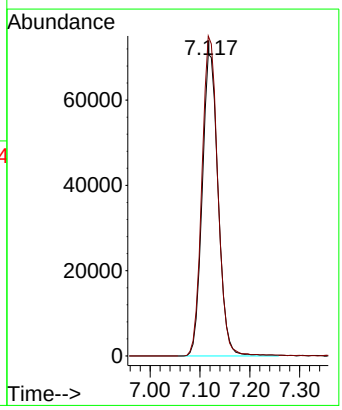
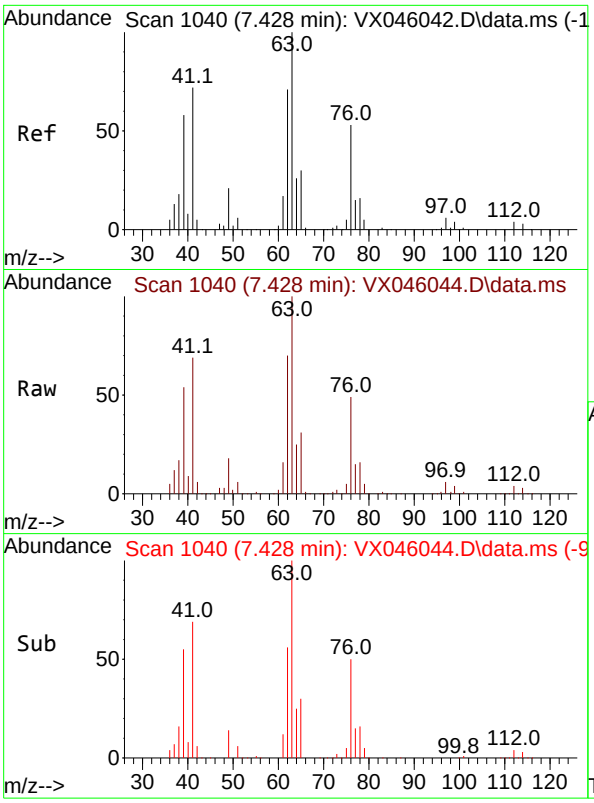


#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	204.2





#45
1,2-Dichloropropane
Concen: 113.217 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 16450

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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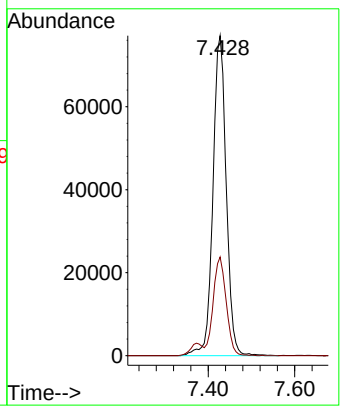
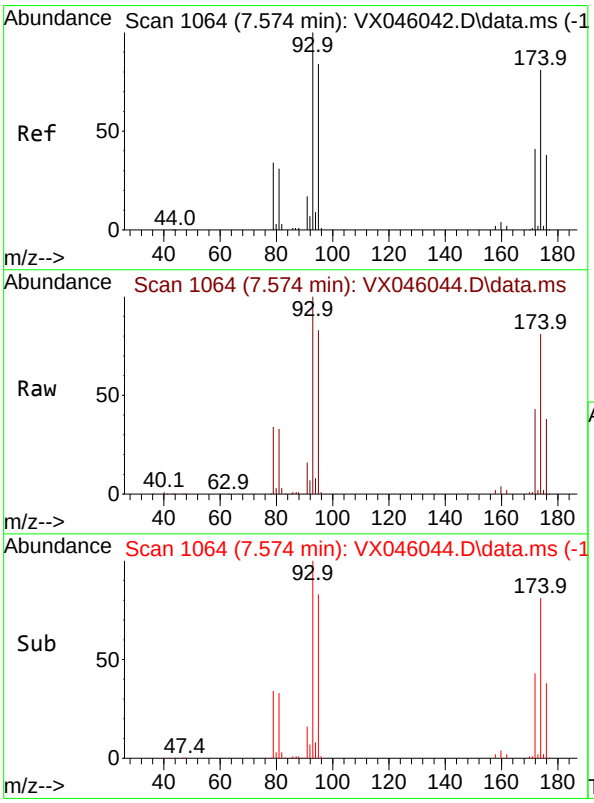
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

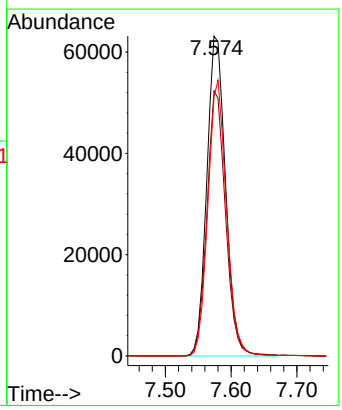


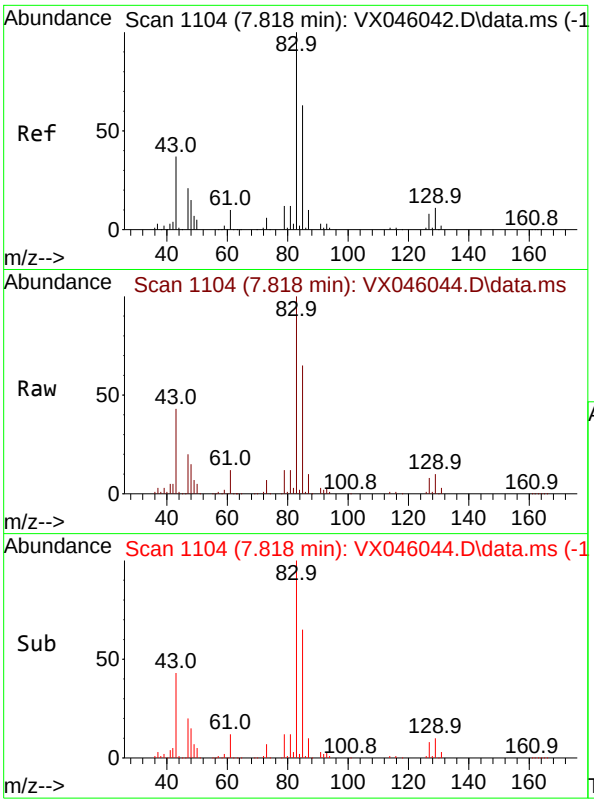


#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 93 Resp: 125846

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2

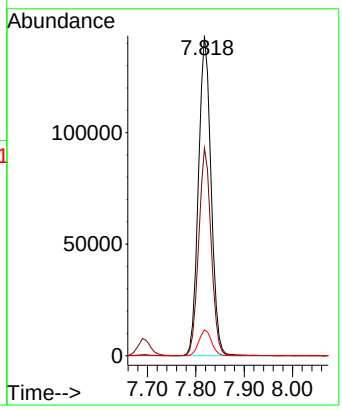




#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 25832

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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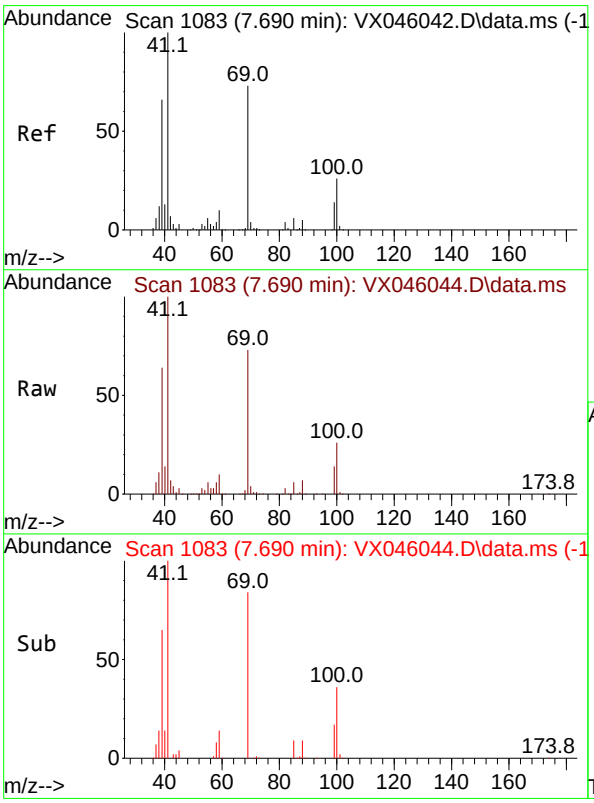
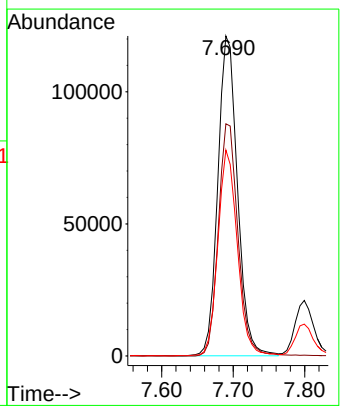
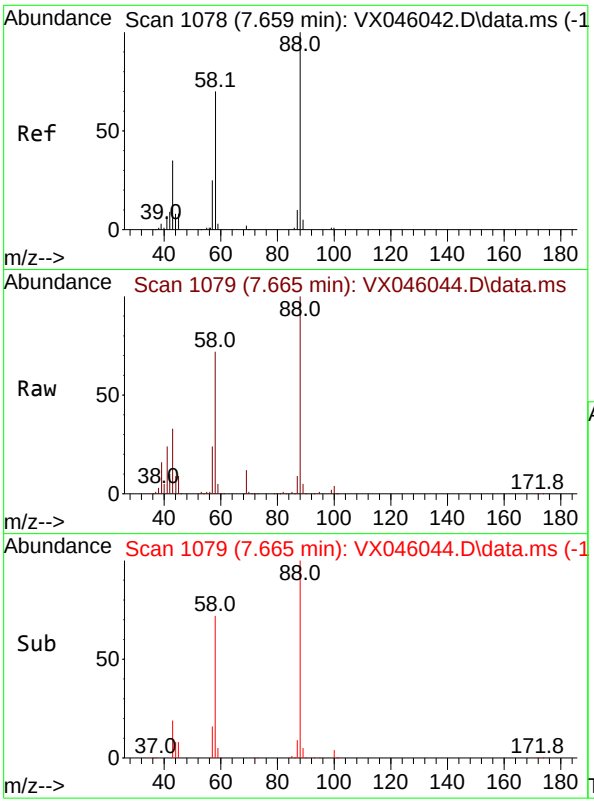


#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 231040

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.5	87.7
39	63.8	51.7	77.5

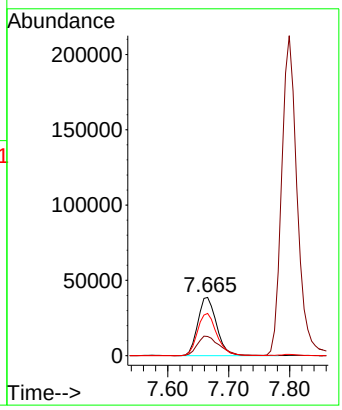




#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 88 Resp: 8280

Ion	Ratio	Lower	Upper
88	100		
43	40.0	33.4	50.2
58	74.8	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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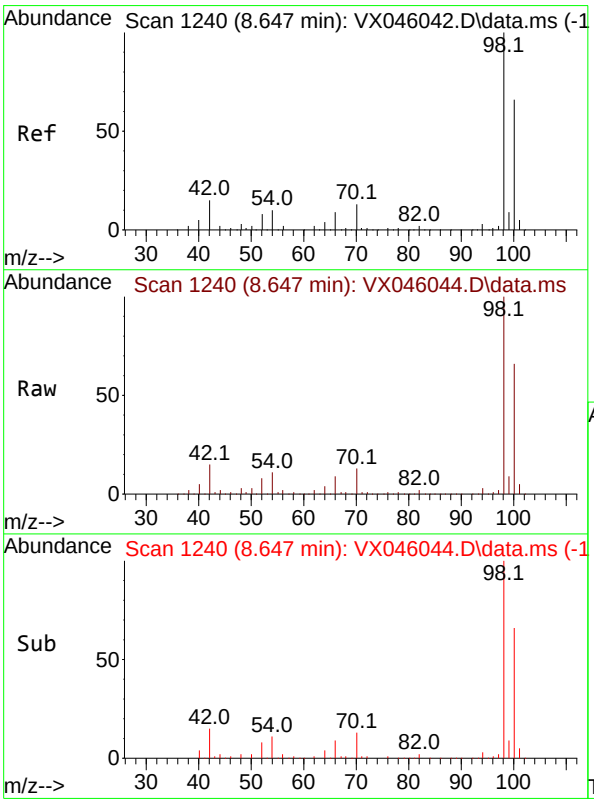
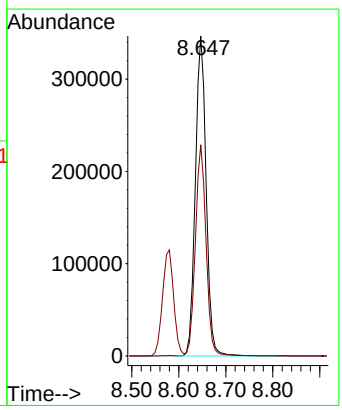
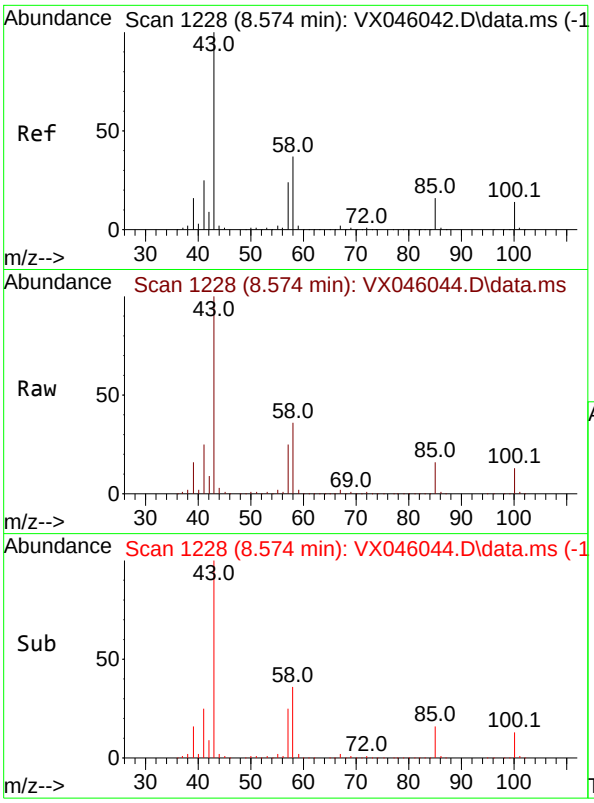


#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 98 Resp: 554390

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 137127

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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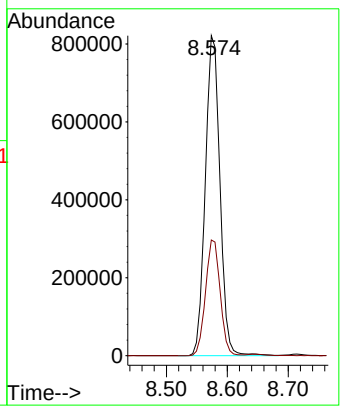
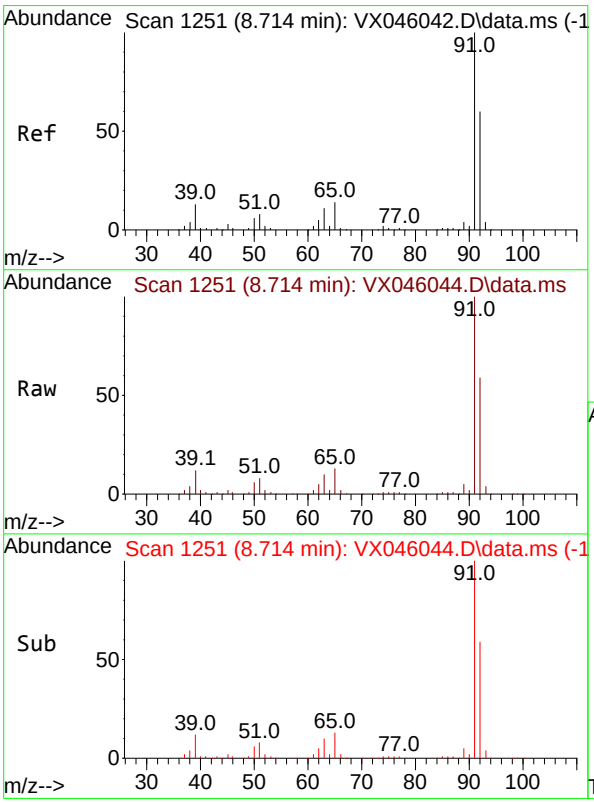
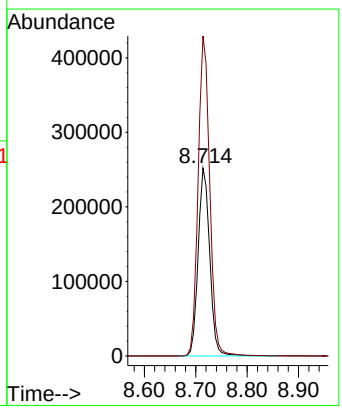


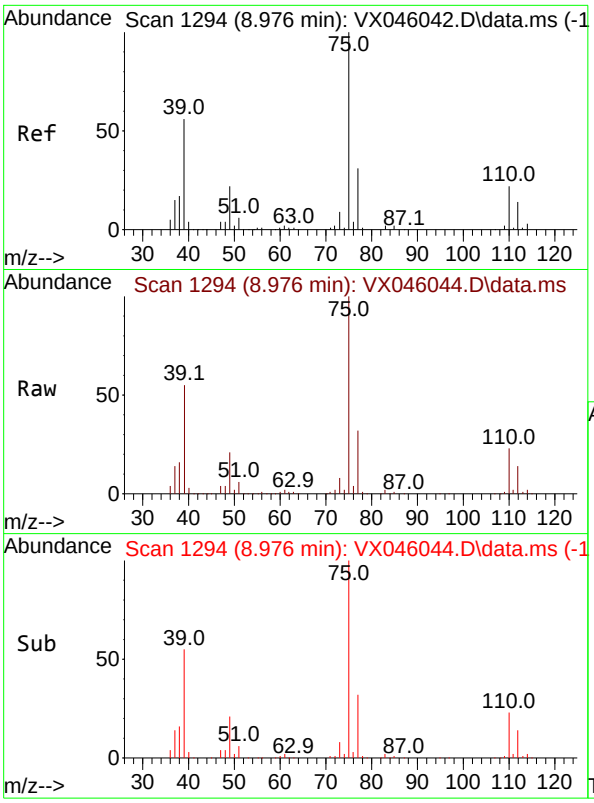


#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0





#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 25723

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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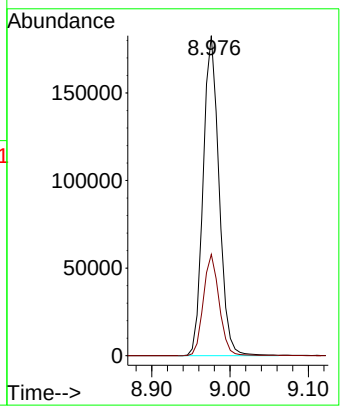
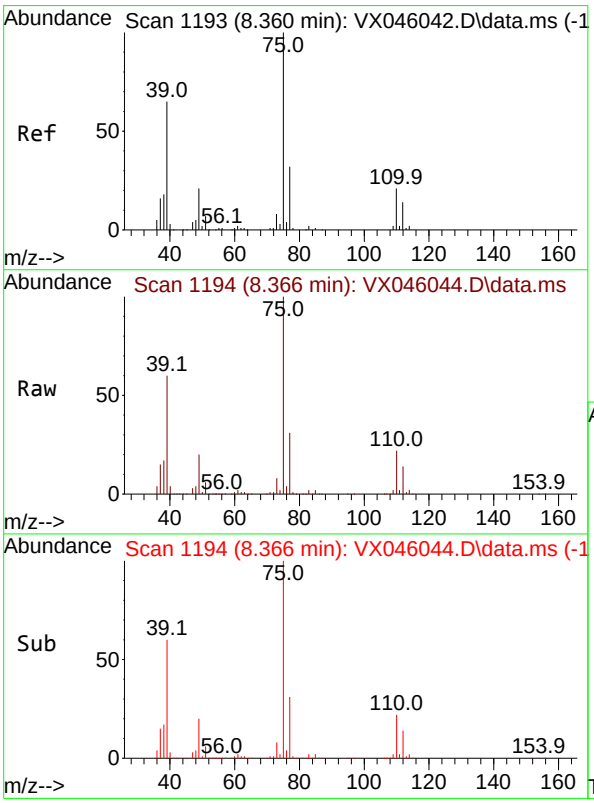
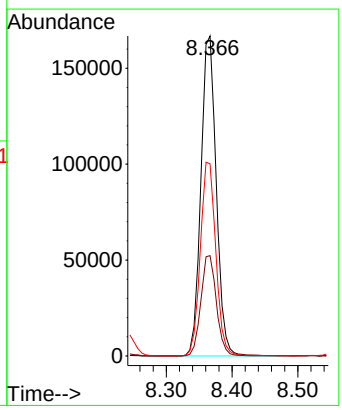


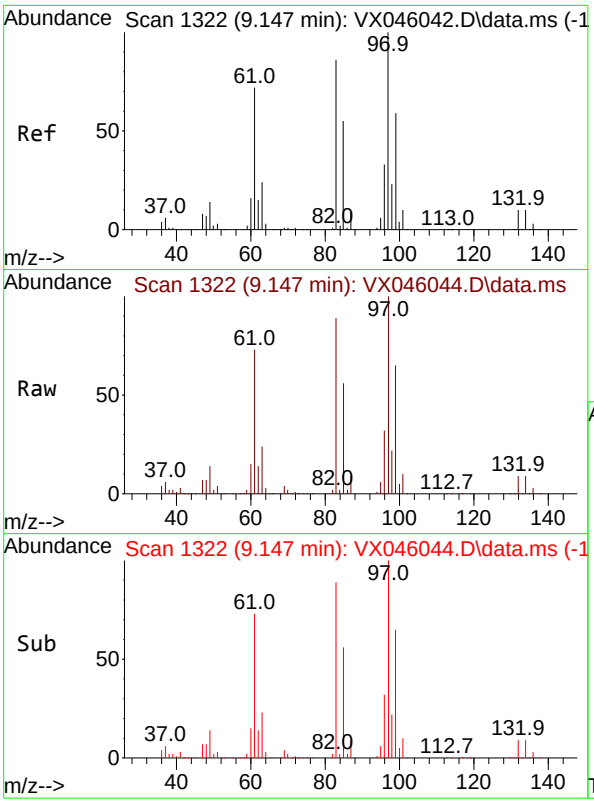


#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 271054

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	60.0	52.2	78.4

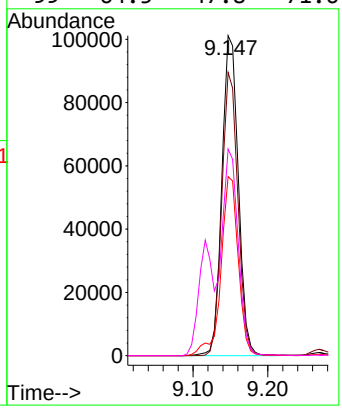




#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 15493

Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.0	103.6
85	56.0	44.3	66.5
99	64.5	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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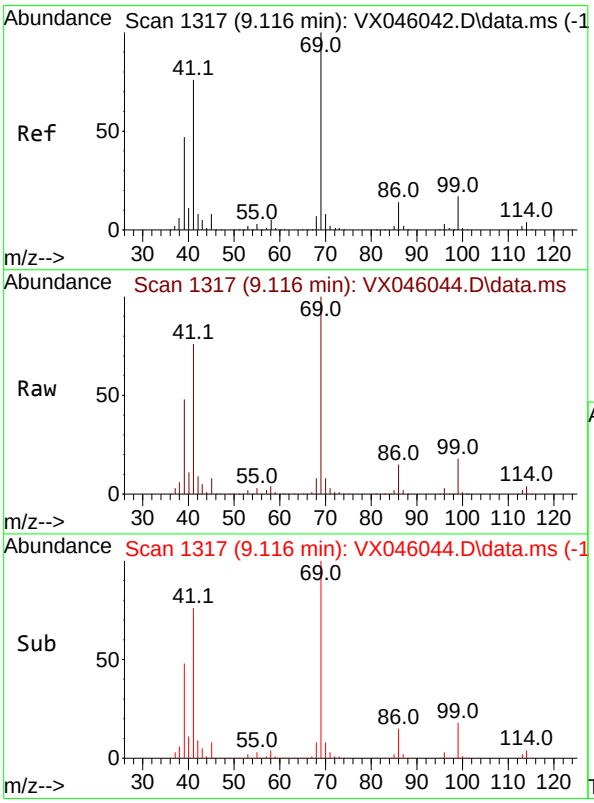
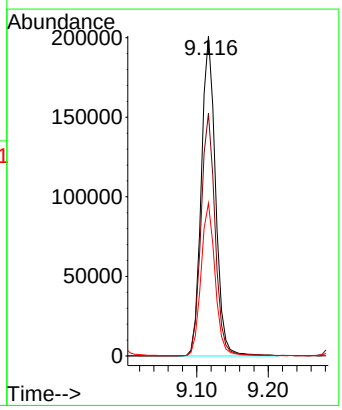
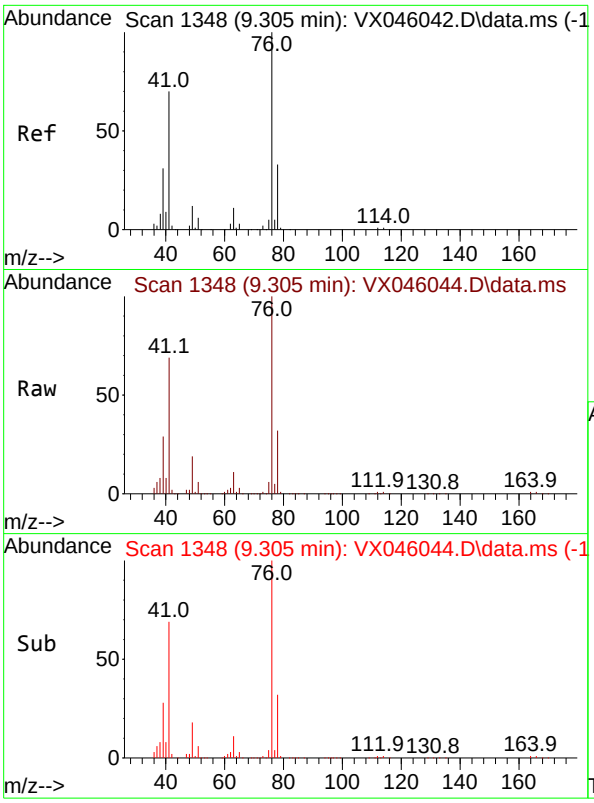


#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 69 Resp: 277921

Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.8	91.2
39	47.2	39.0	58.6

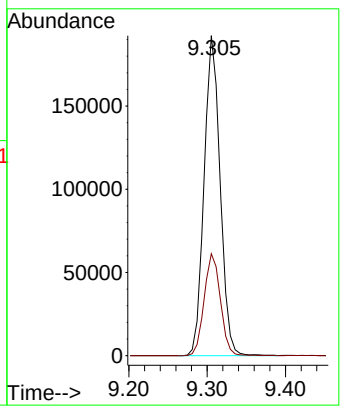




#57
1,3-Dichloropropane
Concen: 109.813 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 27281

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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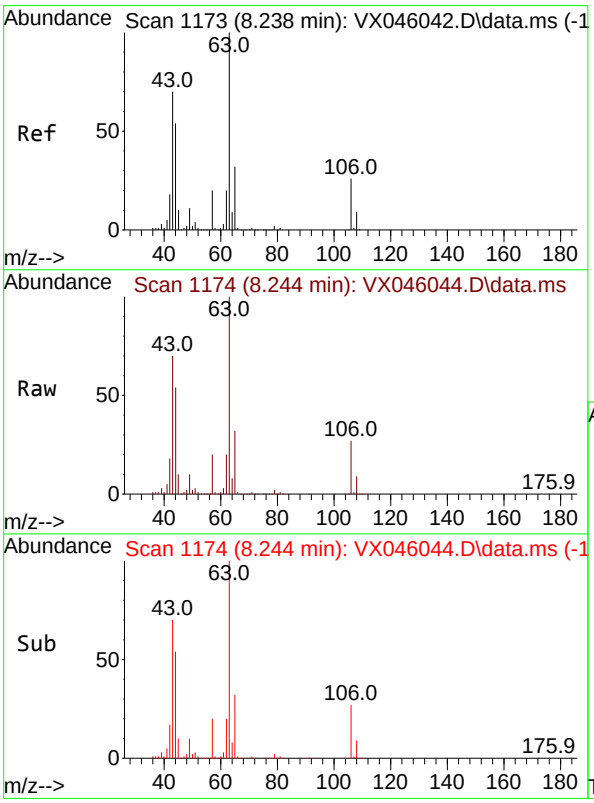
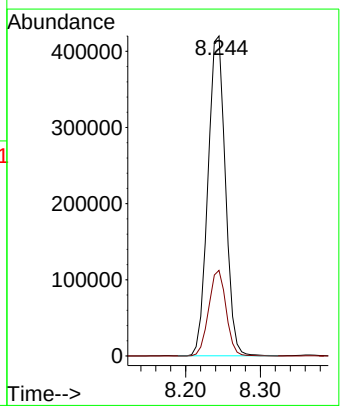
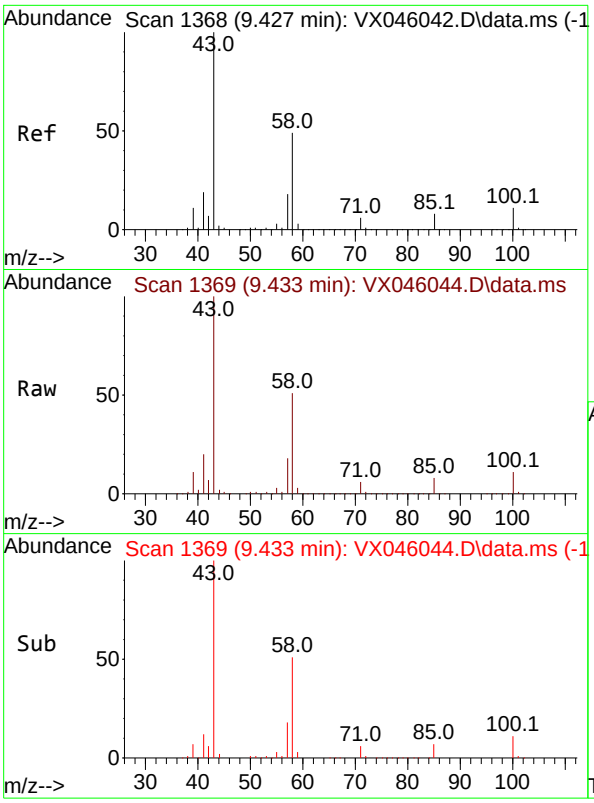


#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 680608

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 571.094 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

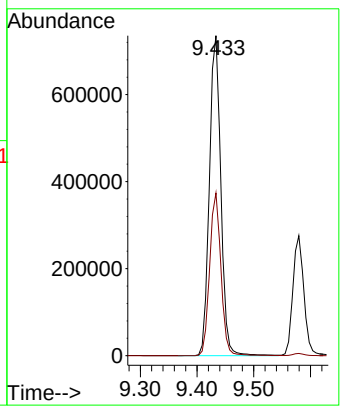
Tgt Ion: 43 Resp: 102859

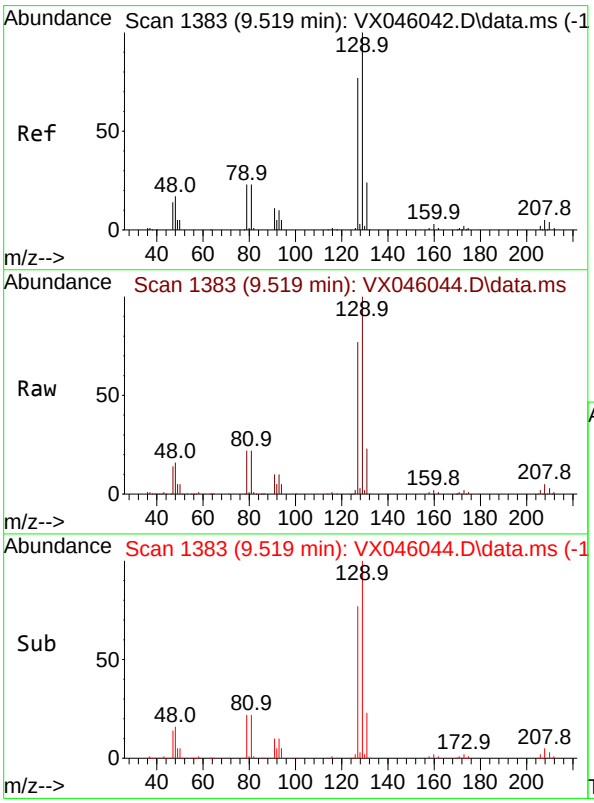
Ion	Ratio	Lower	Upper
43	100		
58	50.2	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

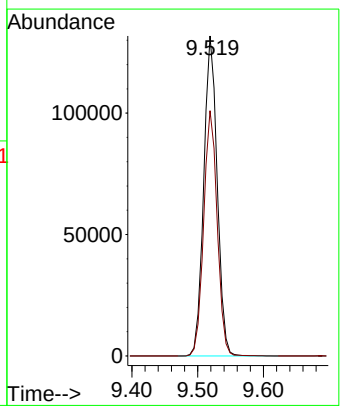


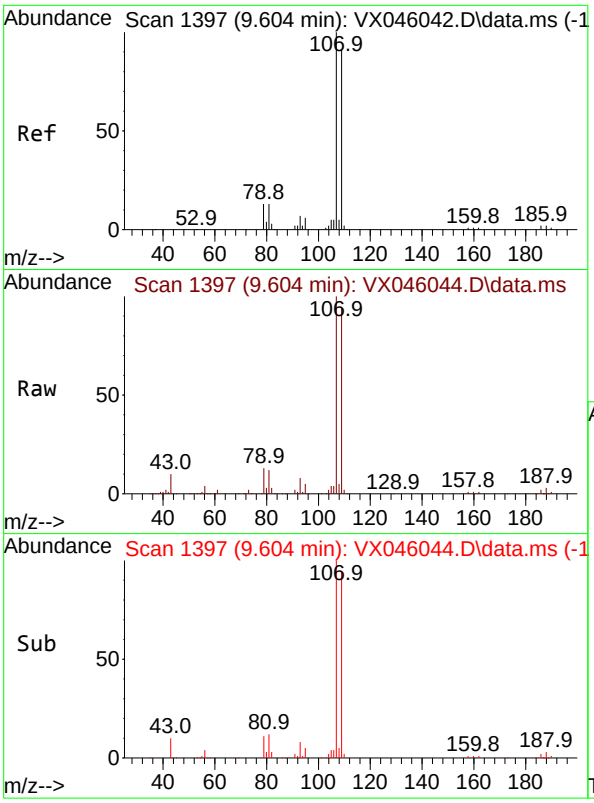


#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8

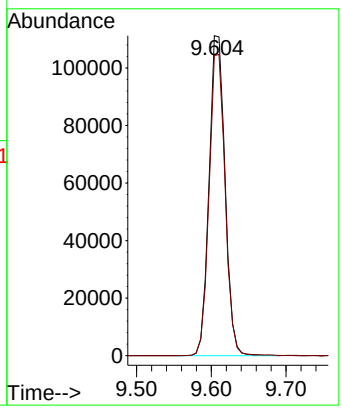




#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:107 Resp: 16563

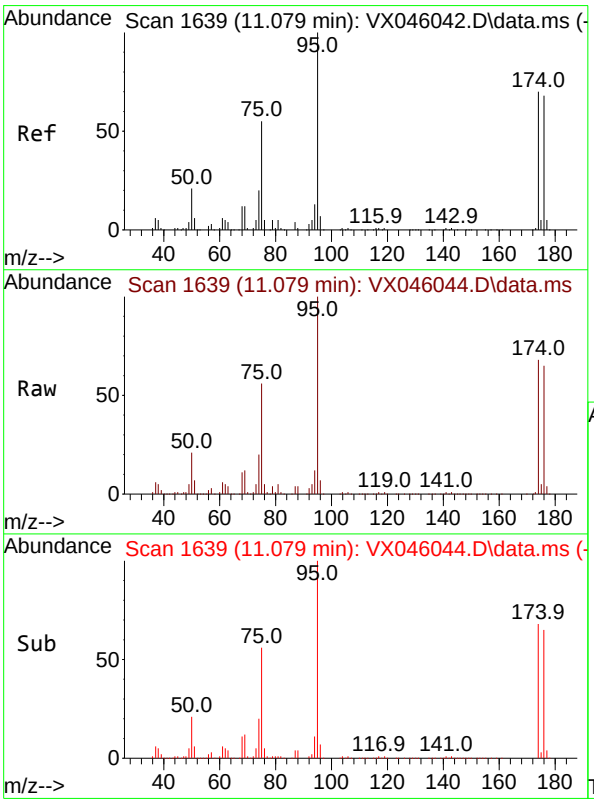
Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

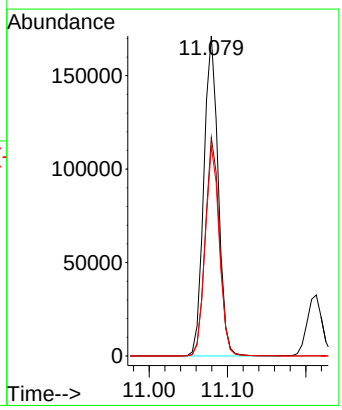
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

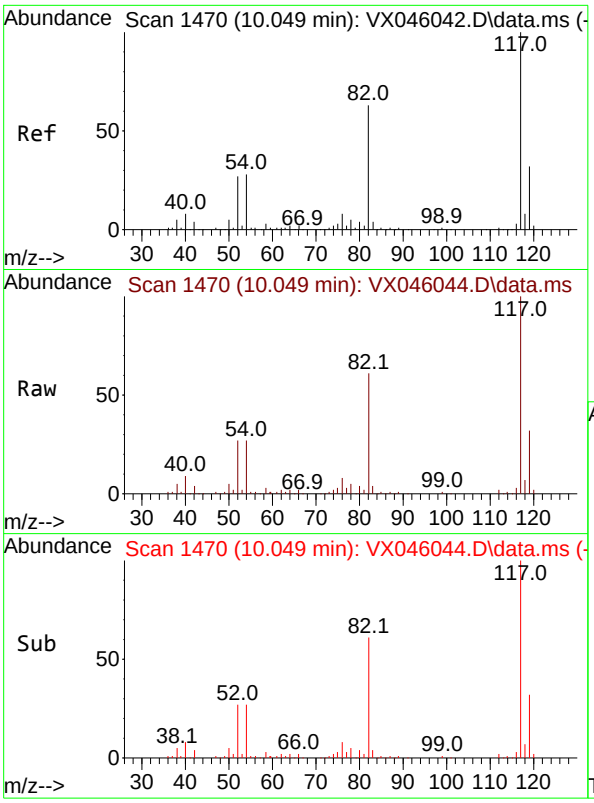


#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 95 Resp: 217536

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	64.4	0.0	131.4

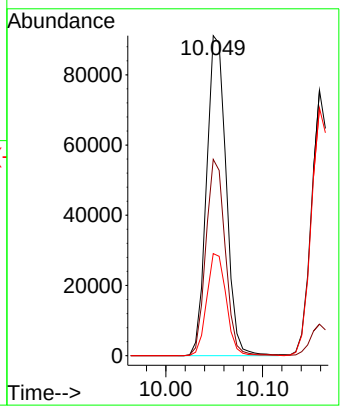




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 12855

Ion	Ratio	Lower	Upper
117	100		
82	61.4	50.6	76.0
119	31.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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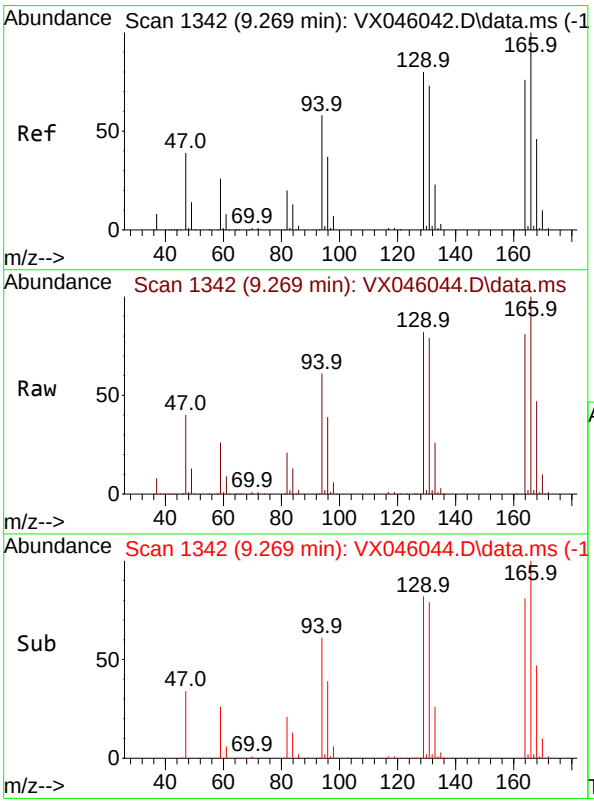
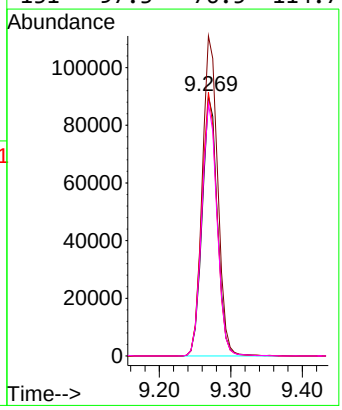
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

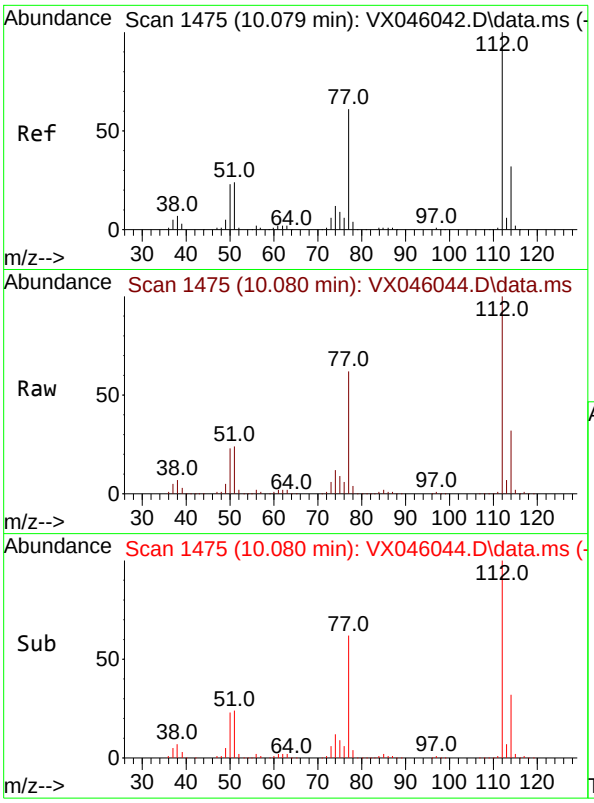


#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:164 Resp: 132488

Ion	Ratio	Lower	Upper
164	100		
166	123.3	105.0	157.6
129	101.6	83.5	125.3
131	97.3	76.5	114.7





#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:112 Resp: 42965

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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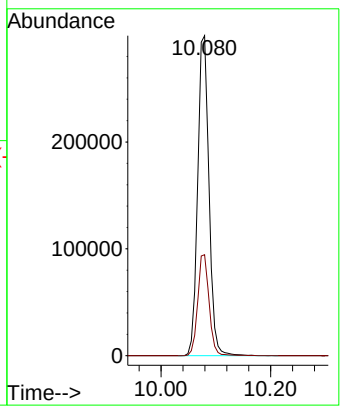
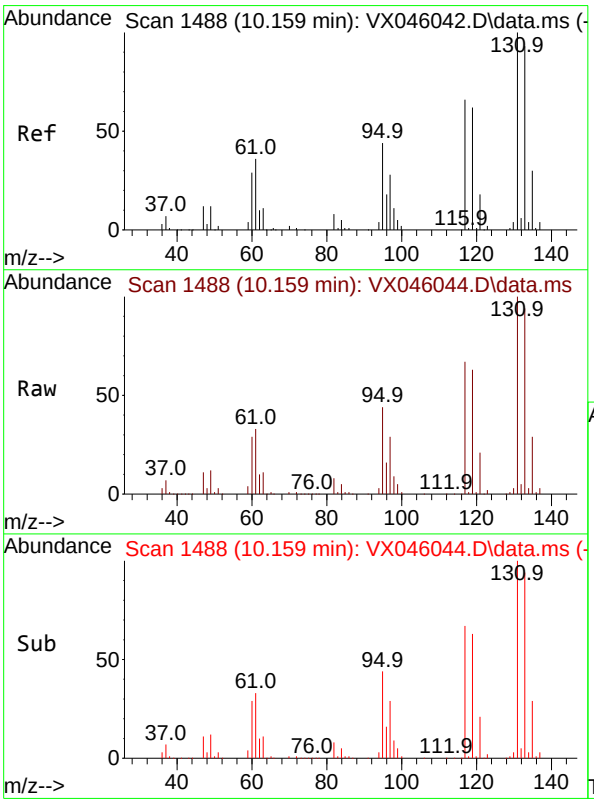
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

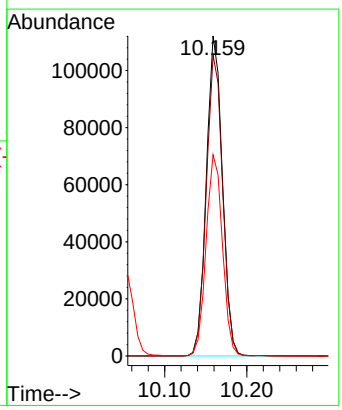


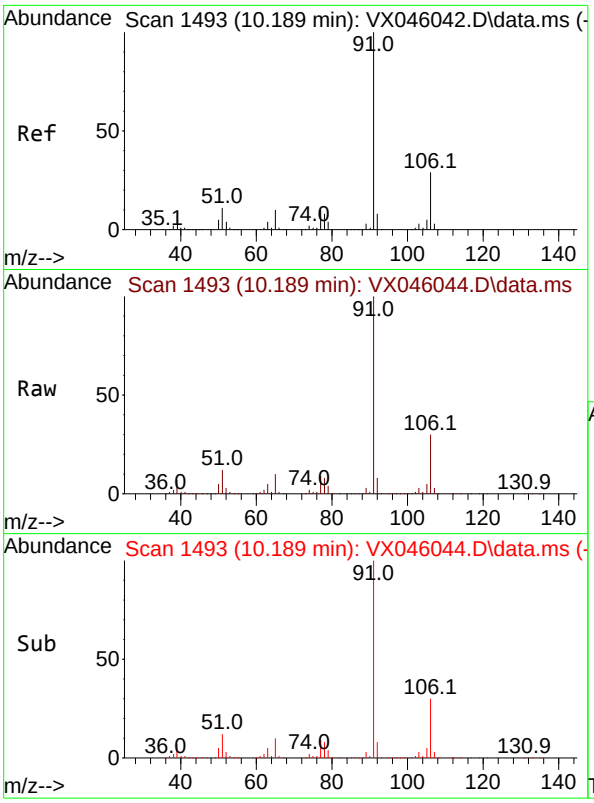


#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:131 Resp: 152173

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.9
119	64.0	31.6	95.0





#67
Ethyl Benzene
Concen: 116.421 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 78512

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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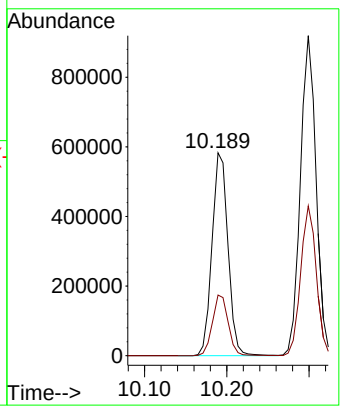
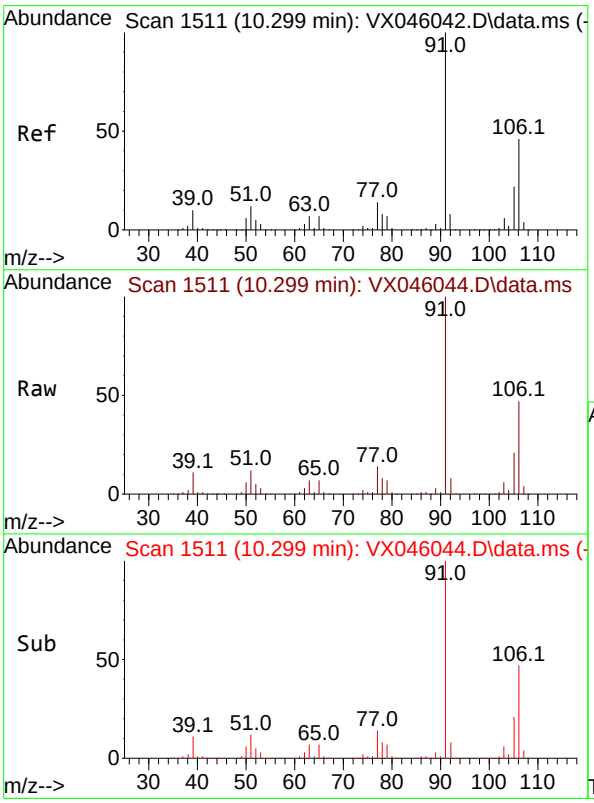
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

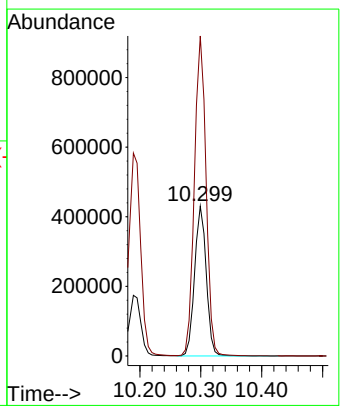


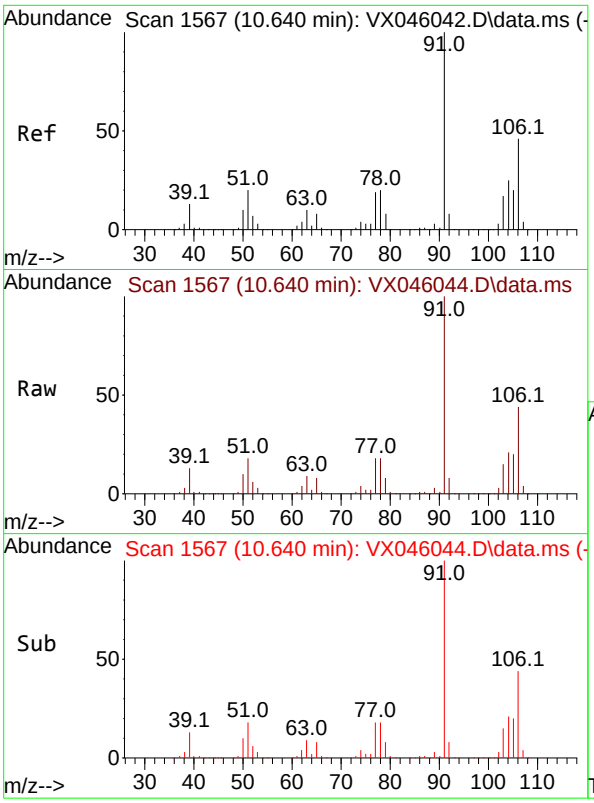


#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 570913

Ion	Ratio	Lower	Upper
106	100		
91	214.2	171.2	256.8





#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 27990

Ion	Ratio	Lower	Upper
106	100		
91	226.9	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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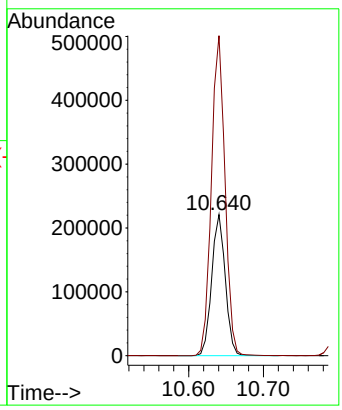
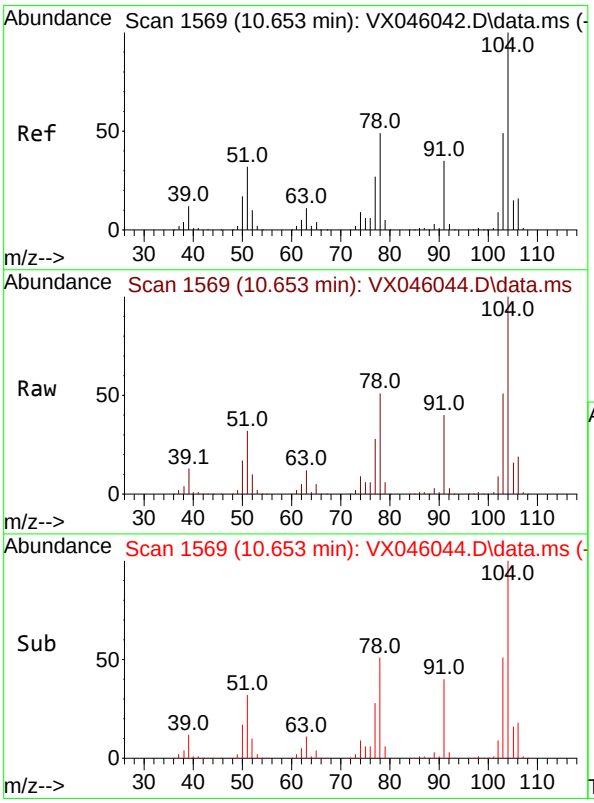
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

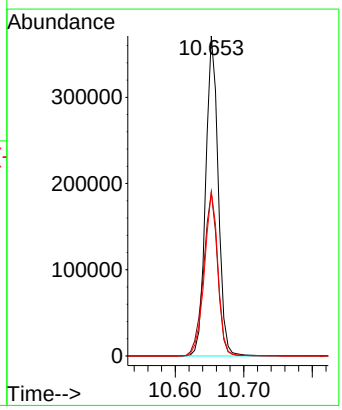


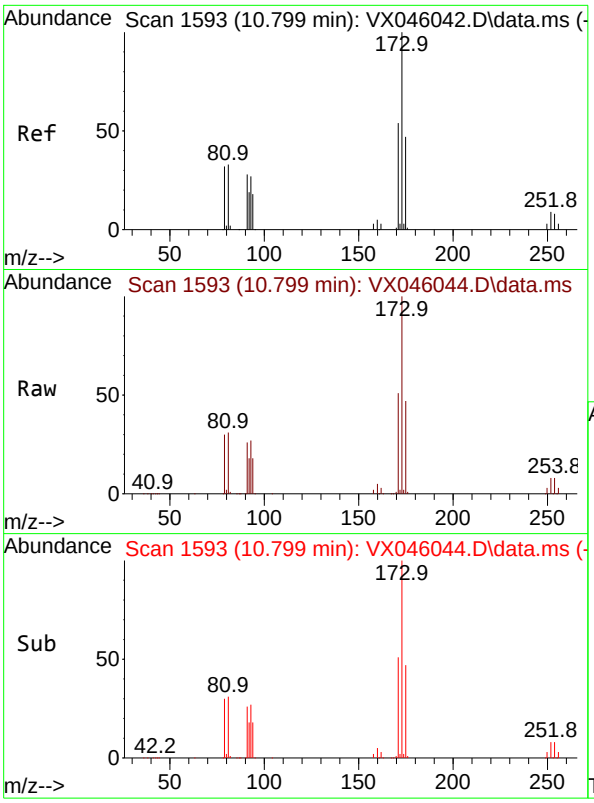


#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:104 Resp: 474254

Ion	Ratio	Lower	Upper
104	100		
78	57.2	45.7	68.5
103	55.5	43.7	65.5

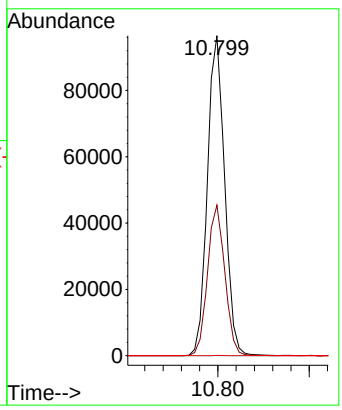




#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:173 Resp: 12598

Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.4	70.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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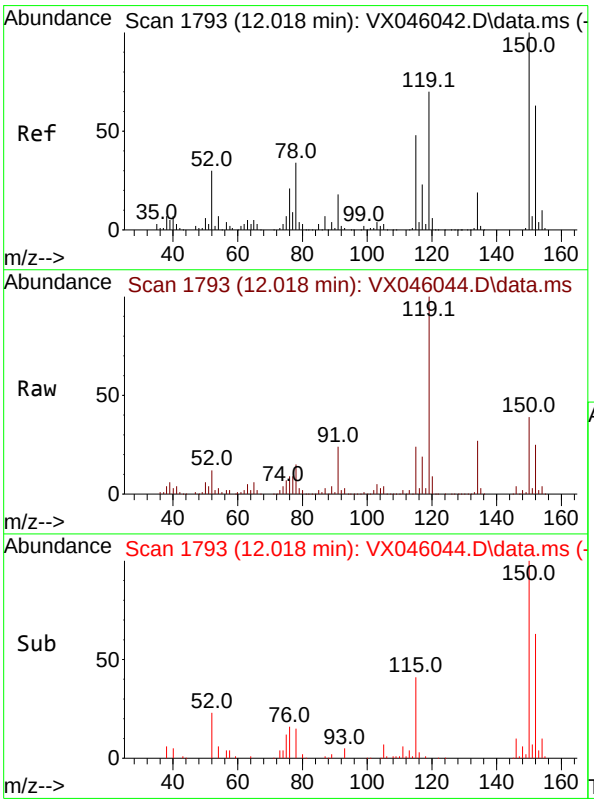
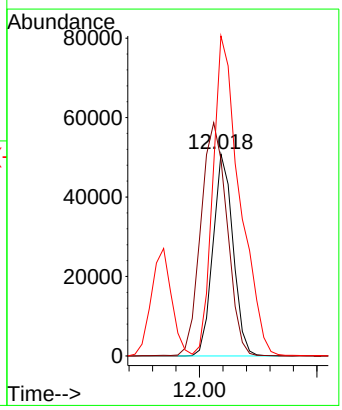
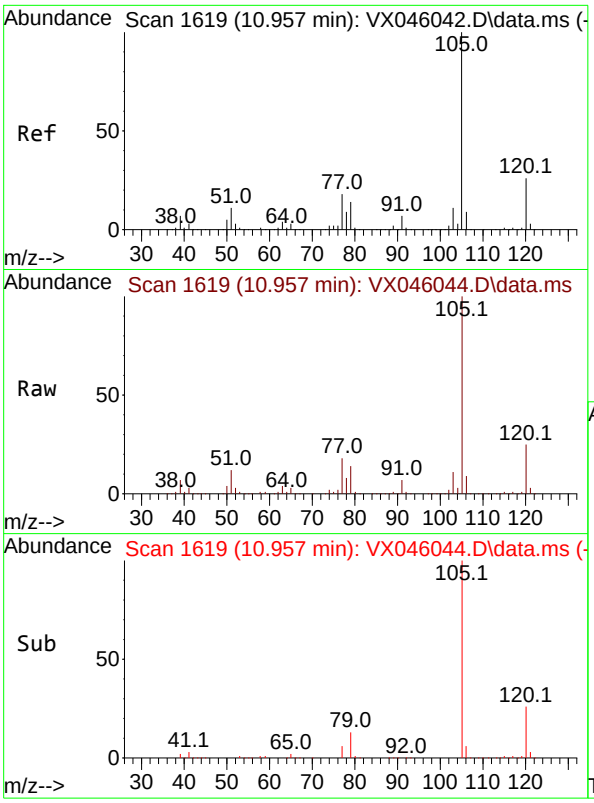


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:152 Resp: 60345

Ion	Ratio	Lower	Upper
152	100		
115	150.7	46.9	140.7#
150	211.6	0.0	351.0





#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 75233

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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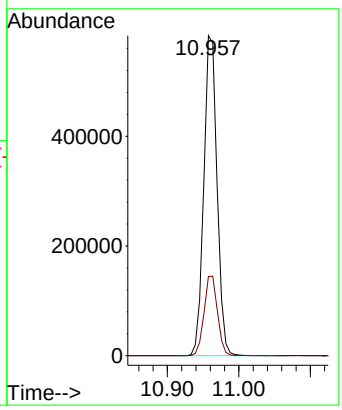
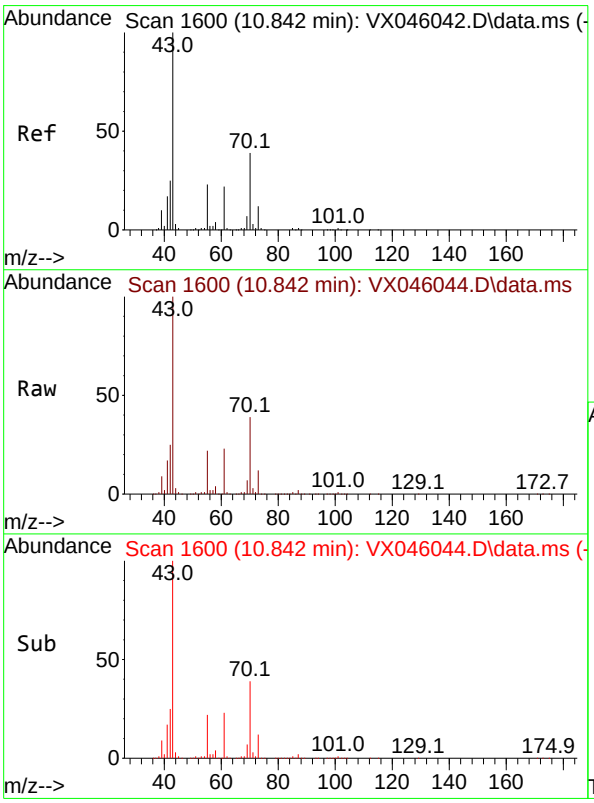
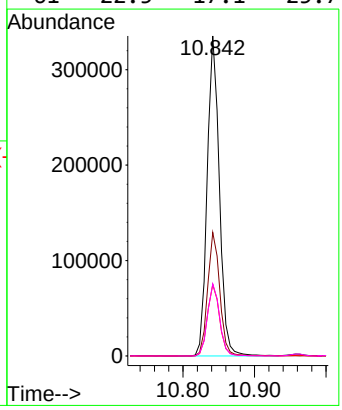


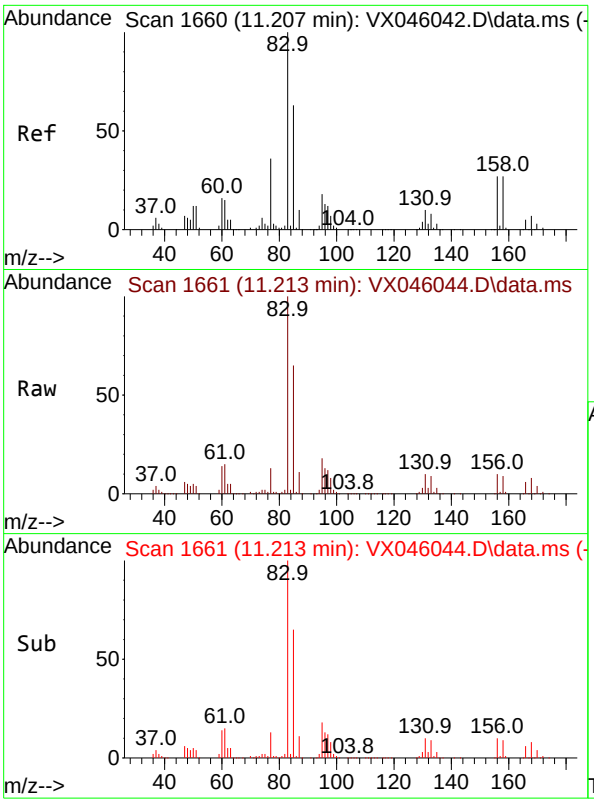


#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 396877

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	22.5	18.7	28.1
61	22.5	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 104.018 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 24353

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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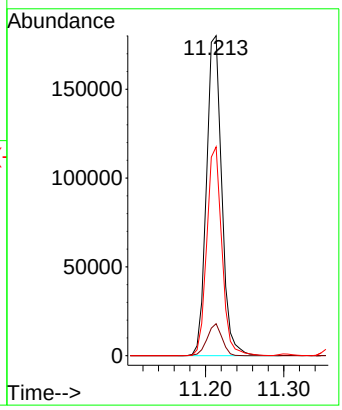
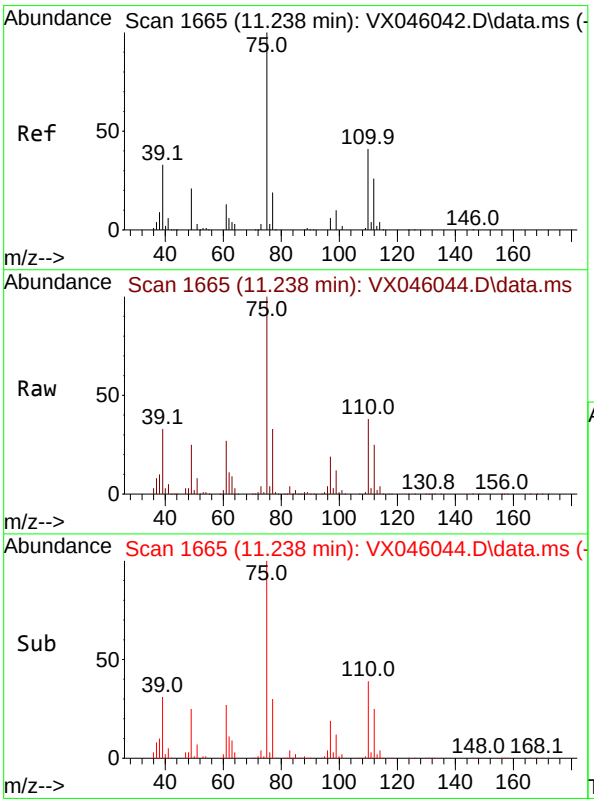
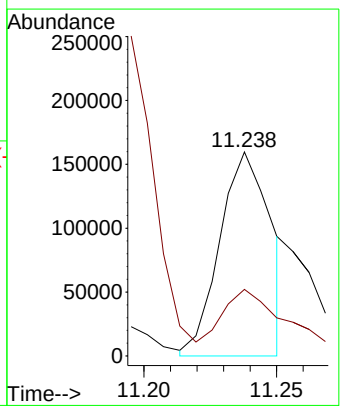


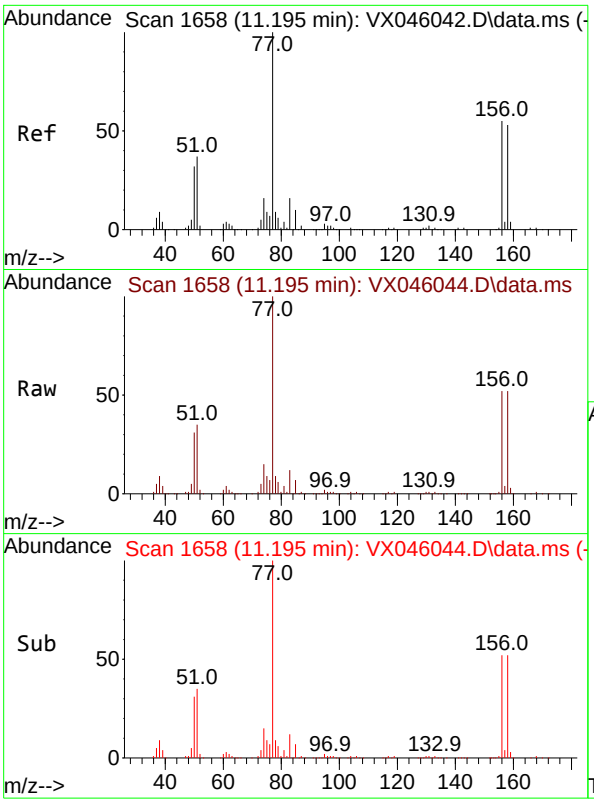


#76
1,2,3-Trichloropropane
Concen: 84.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 213744

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.5	61.5





#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:156 Resp: 16793

Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.8	278.3
158	97.3	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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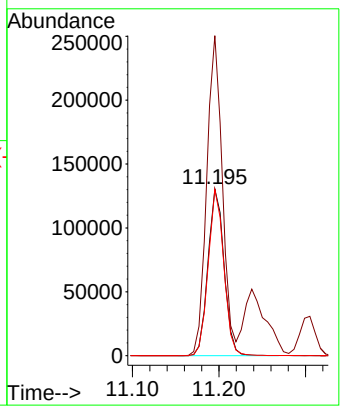
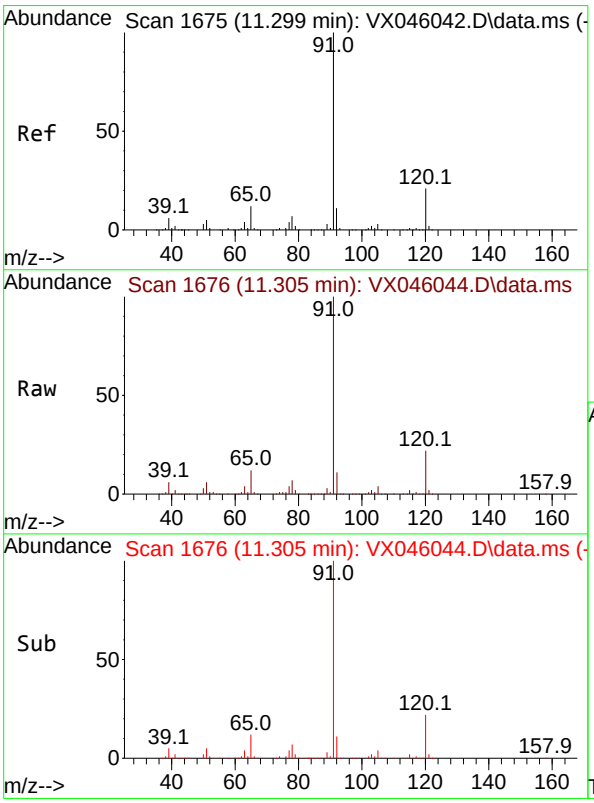
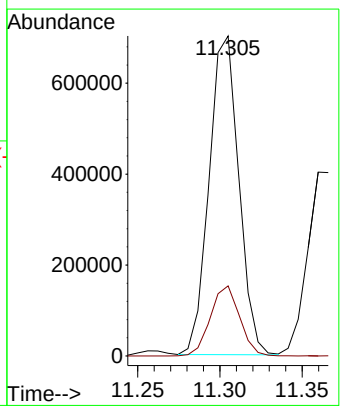


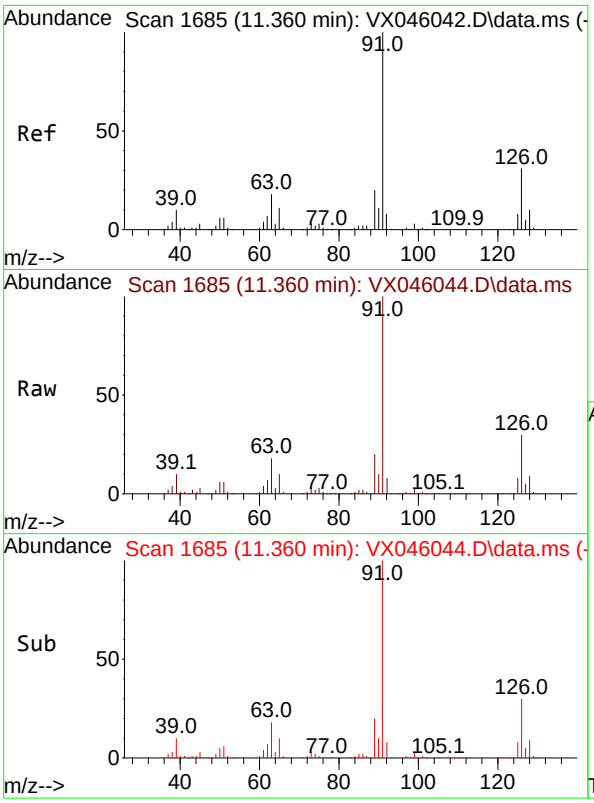


#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 107.514 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

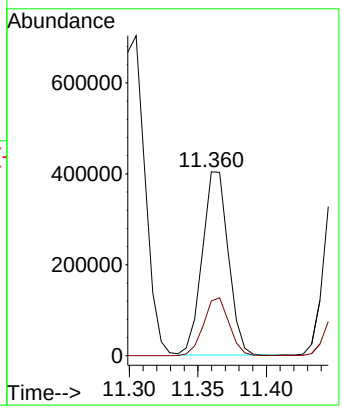
Tgt Ion: 91 Resp: 53456

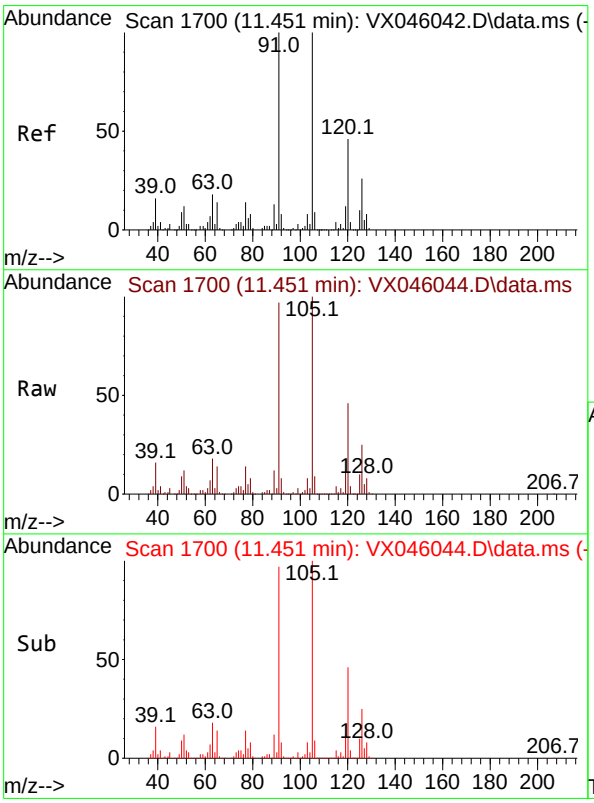
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

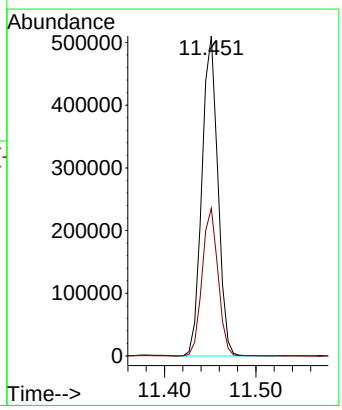


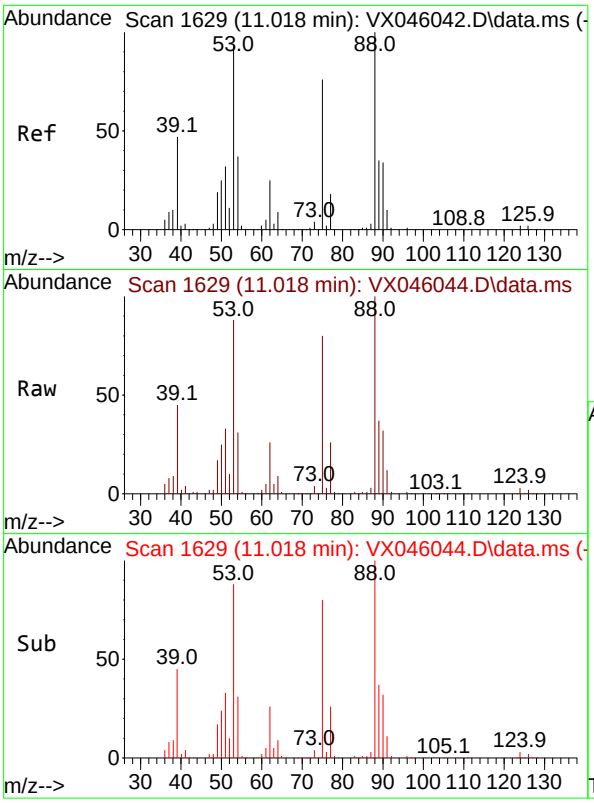


#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 616477

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

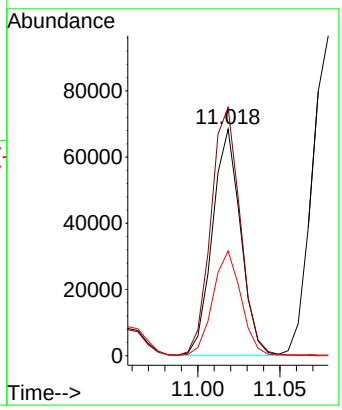
Tgt Ion: 75 Resp: 8137

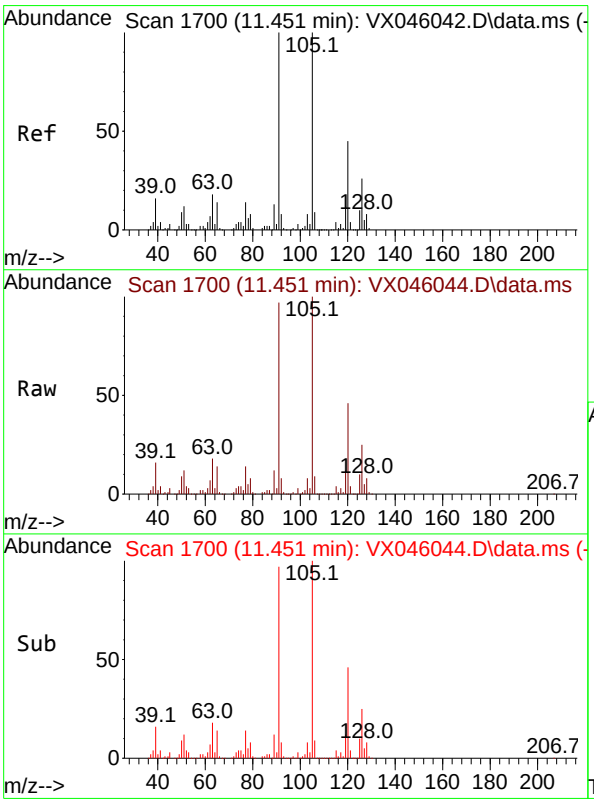
Ion	Ratio	Lower	Upper
75	100		
53	114.9	100.5	150.7
89	46.5	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

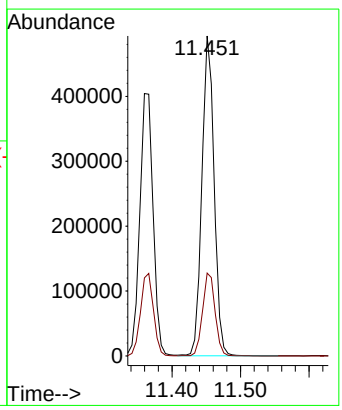


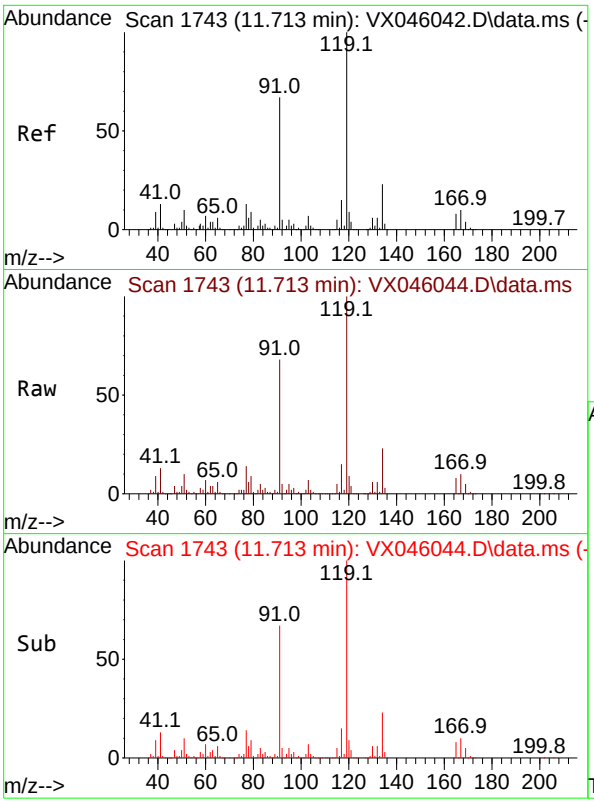


#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

Ion	Ratio	Lower	Upper
91	100		
126	26.7	13.3	39.8

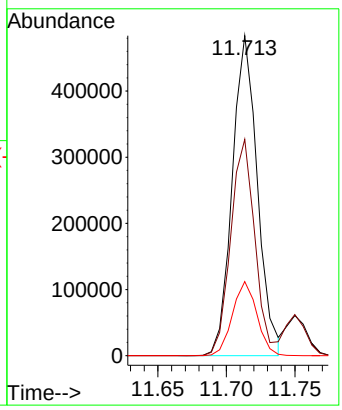




#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 61747

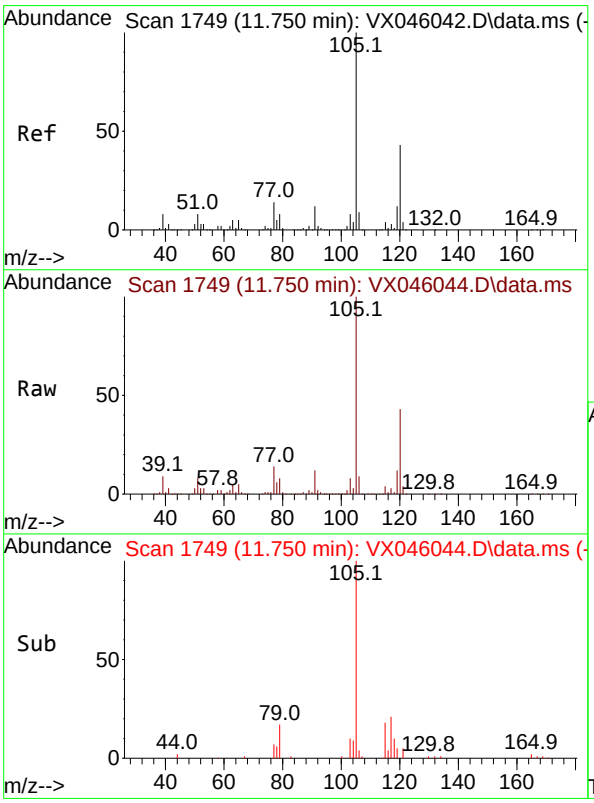
Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.9	98.7
134	22.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

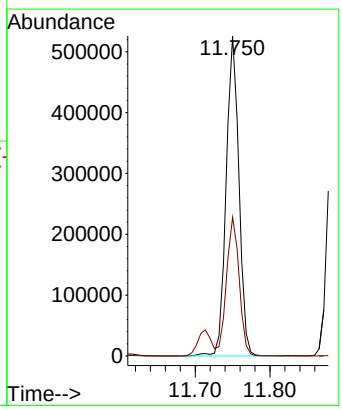
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

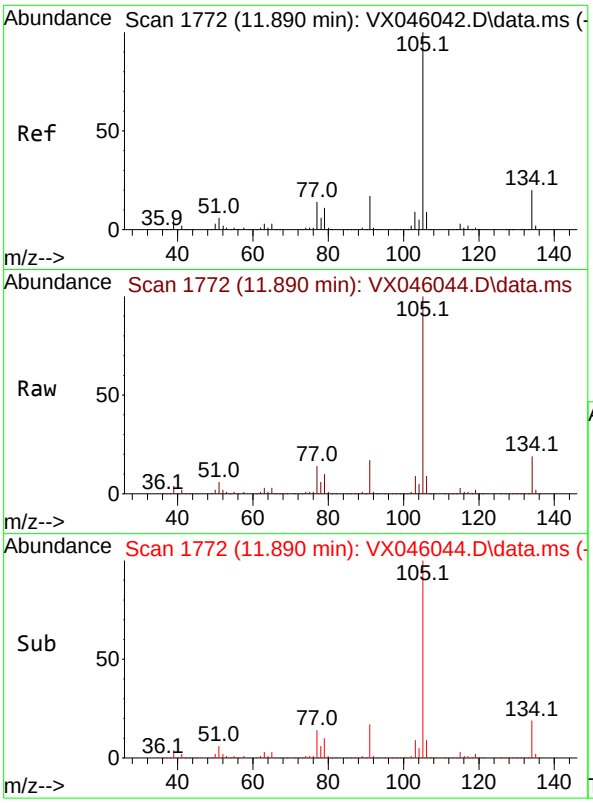


#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.2	63.6

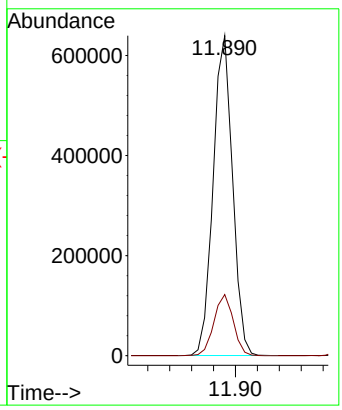




#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 78629

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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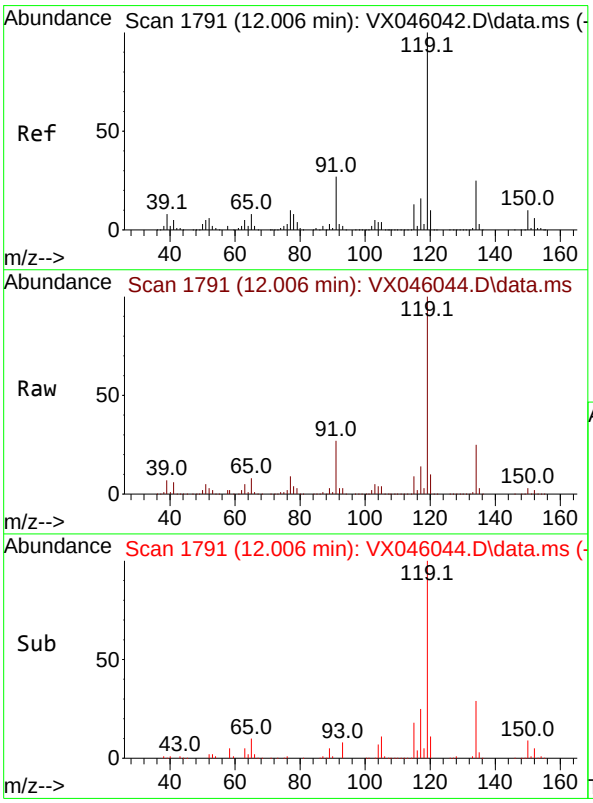
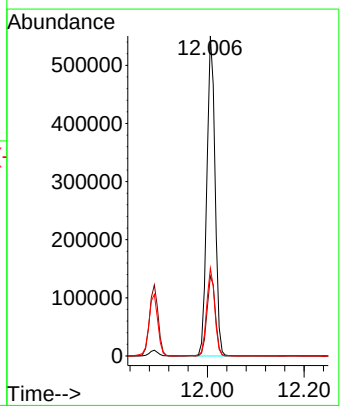
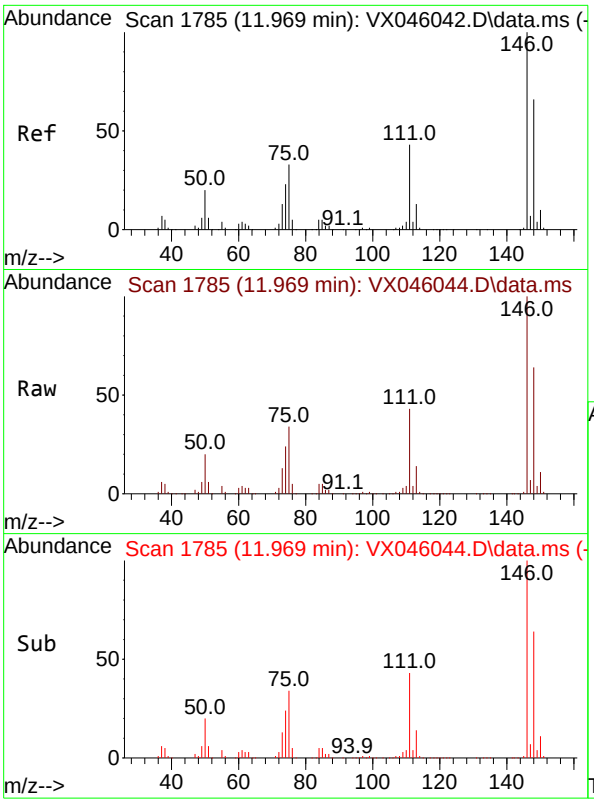


#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 651531

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	27.0	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 110.394 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 31310

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.3
148	64.0	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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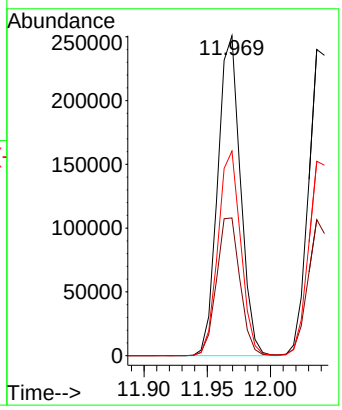
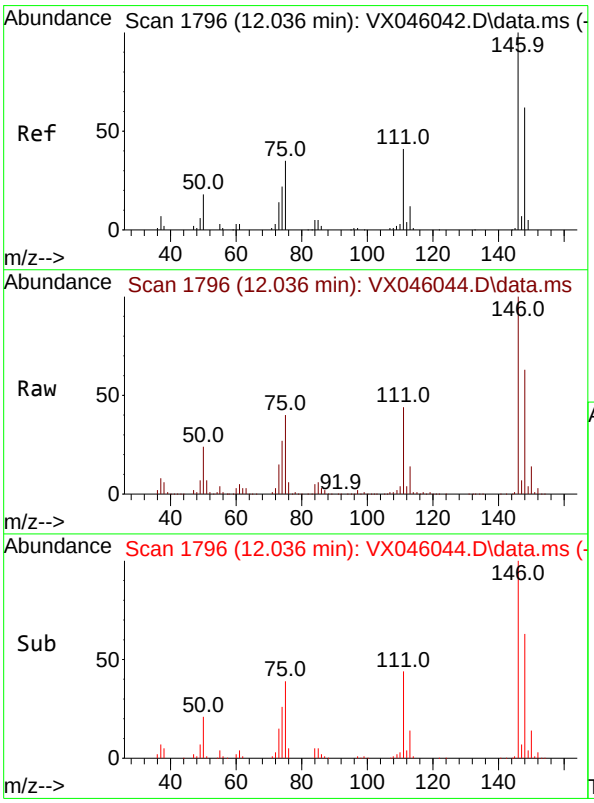
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

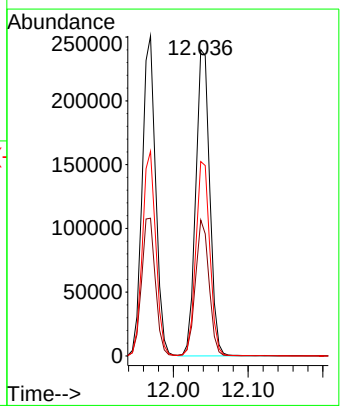


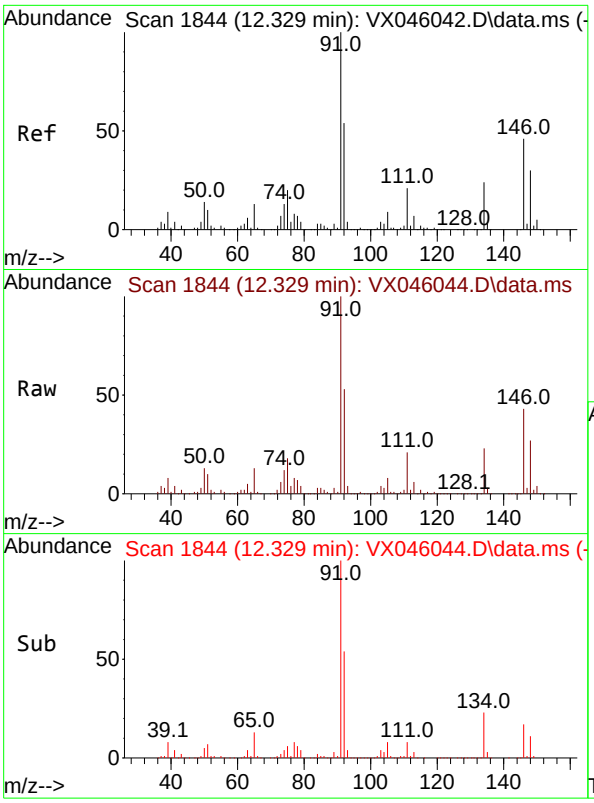


#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 311752

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.9	31.9	95.5





#89
n-Butylbenzene
Concen: 129.533 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

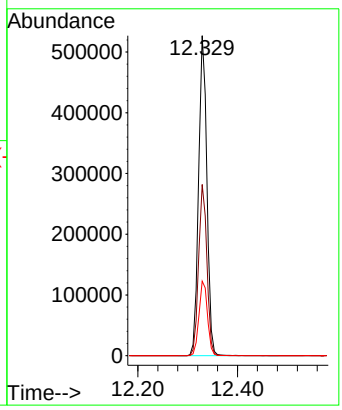
Tgt Ion: 91 Resp: 60578

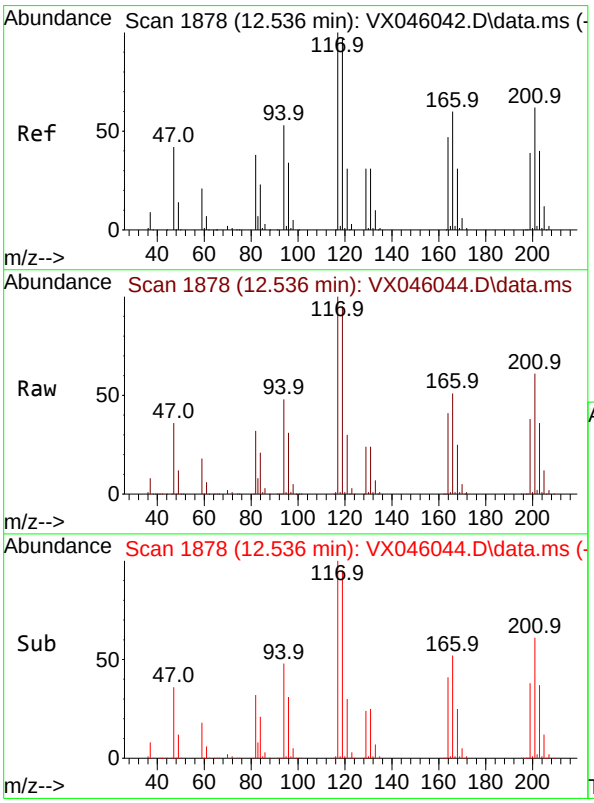
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	24.0	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

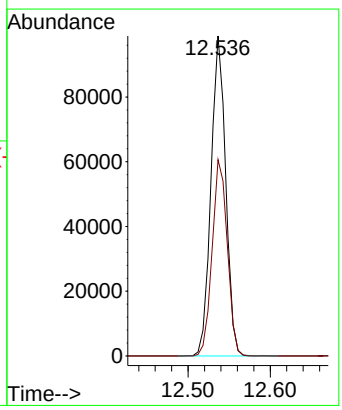


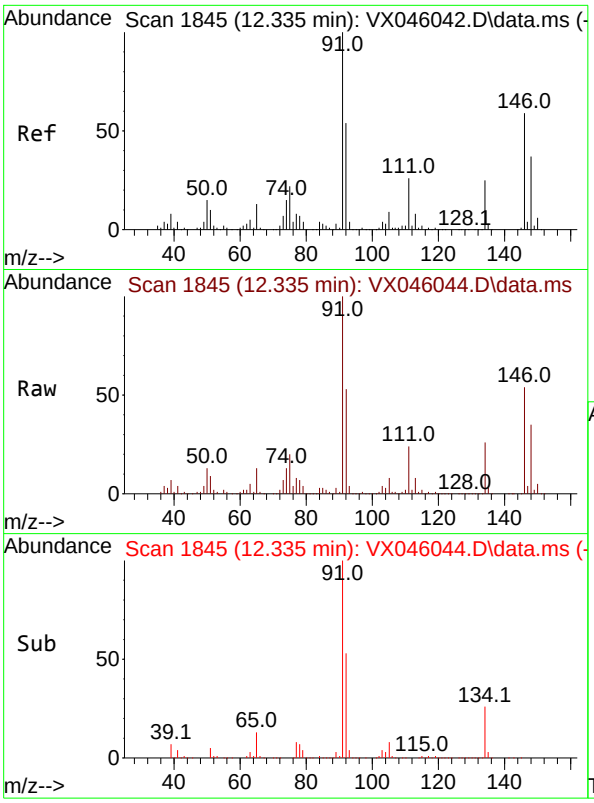


#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.6	94.7

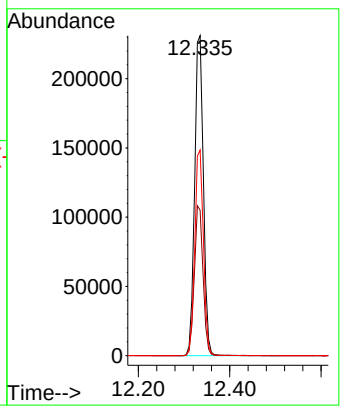




#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 30803

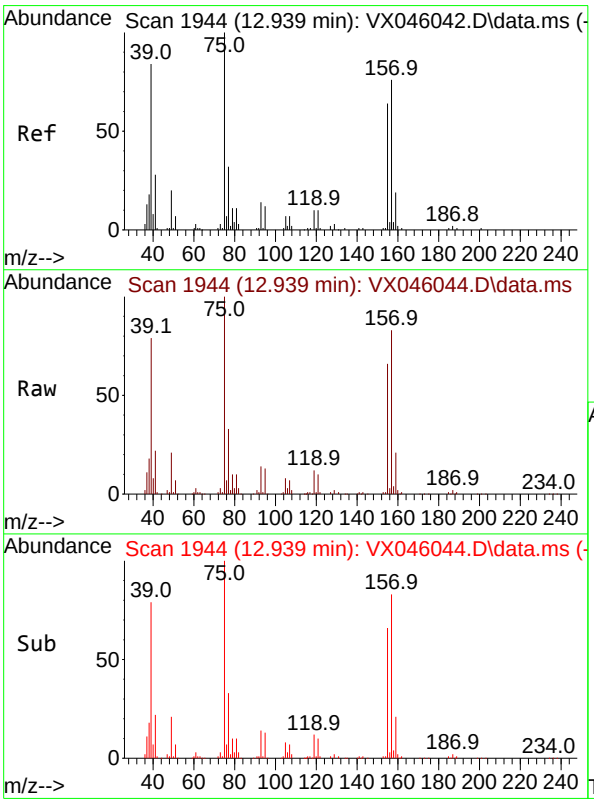
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.3
148	63.6	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

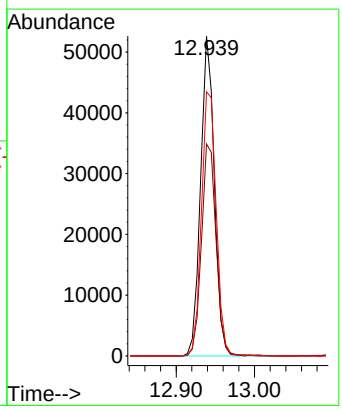
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

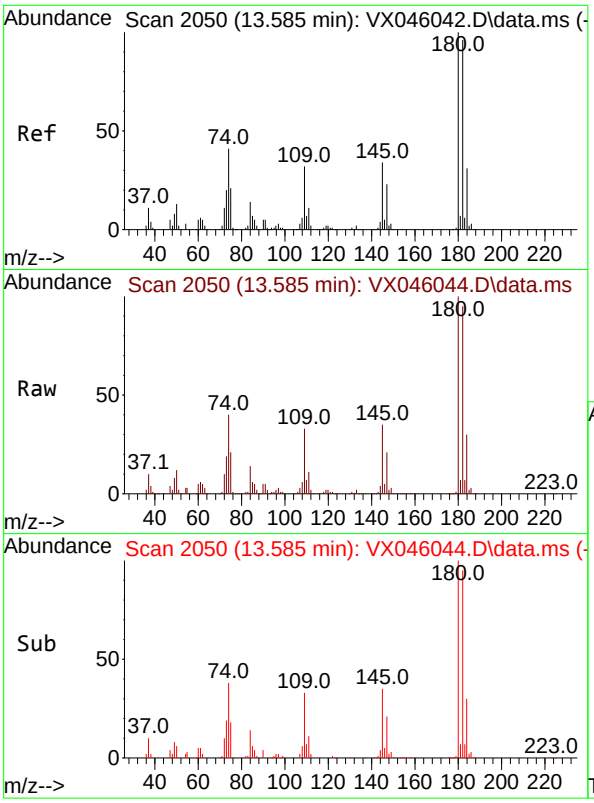


#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 64438

Ion	Ratio	Lower	Upper
75	100		
155	69.6	34.9	104.8
157	88.4	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 134.366 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

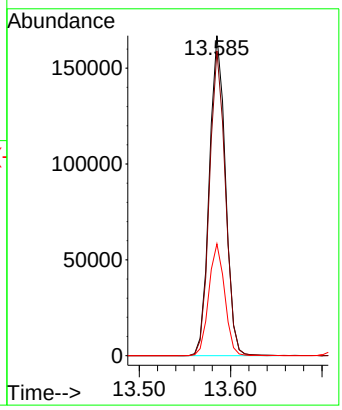
Tgt Ion:180 Resp: 20325

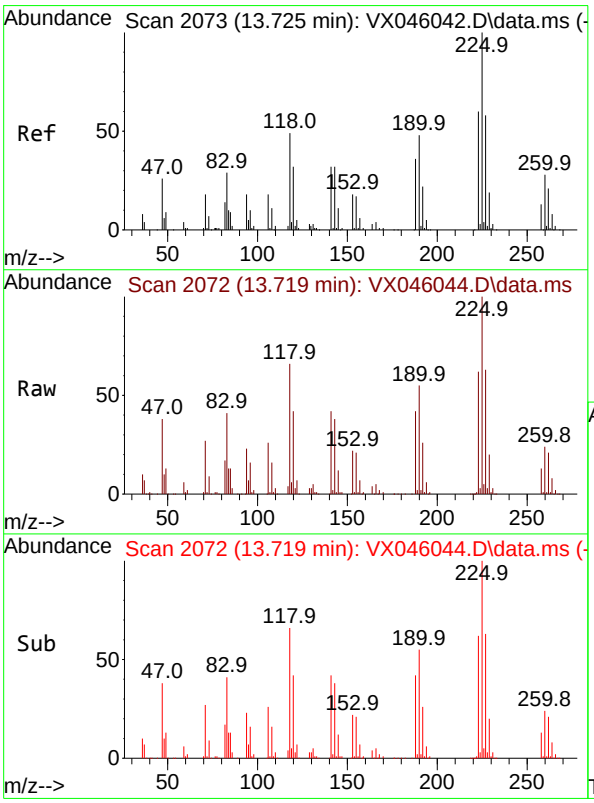
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.8
145	34.5	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

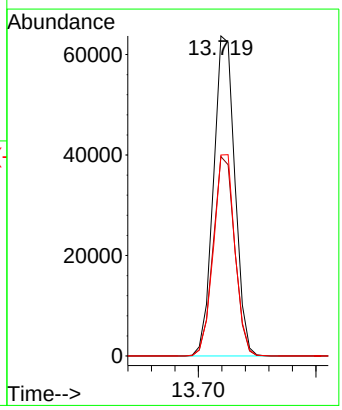


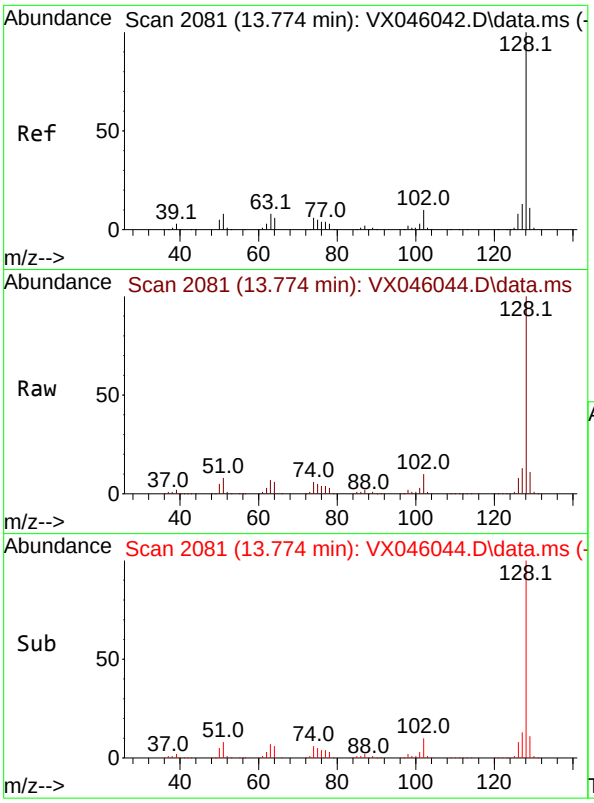


#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:225 Resp: 80558

Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.8	92.4
227	63.1	30.9	92.7

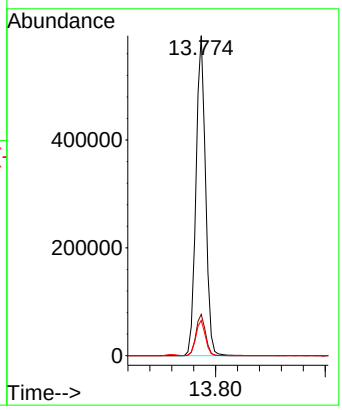




#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:128 Resp: 72123

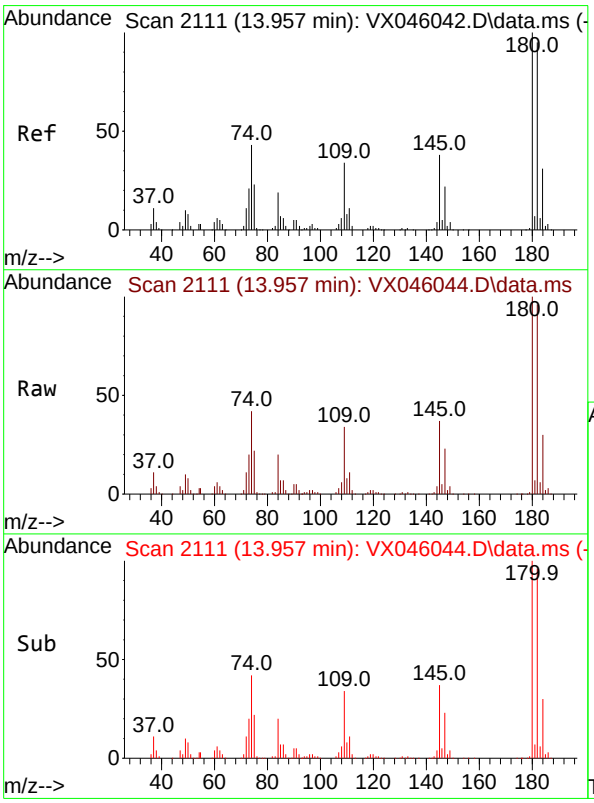
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

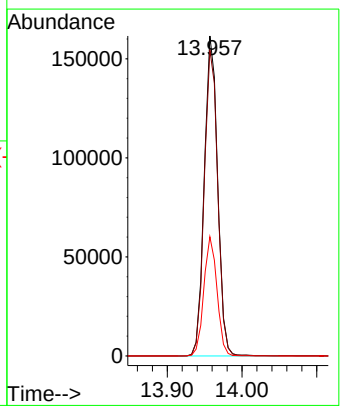
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 200379

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	36.7	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#			
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#			
50) Toluene-d8	8.647	98	20566	3.232	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#			
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l		95
3) Chloromethane	1.307	50	6587	3.125	ug/l		99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l		96
5) Bromomethane	1.593	94	2962	3.164	ug/l		88
6) Chloroethane	1.666	64	3567	3.750	ug/l		94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l		88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l		95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l		99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l		99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l		98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l		97
13) Acrolein	2.233	56	5673	14.206	ug/l		95
14) Allyl chloride	2.654	41	10262	3.319	ug/l		98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l		97
16) Acetone	2.380	43	19773	20.036	ug/l		98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l		96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l		100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l		97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l		97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l		100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l	#	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l		99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l		99
25) 2-Butanone	4.562	43	26125	18.340	ug/l		98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l		96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l		95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l	#	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l		98
30) Chloroform	5.080	83	11624	3.294	ug/l		89
31) Cyclohexane	5.458	56	10269	3.588	ug/l		96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l		97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l		98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l		
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l		97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l		93
40) Benzene	6.031	78	22528	3.315	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l	#	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l		100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l		96
44) Trichloroethene	7.123	130	5313	3.307	ug/l		94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l	#	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l		98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l		98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l		97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l		98
52) Toluene	8.714	92	14126	3.505	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l		98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l		98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l		99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l		97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l		98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l		99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l		96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l		99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l		99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l		98
69) o-Xylene	10.640	106	9398	3.343	ug/l		95
70) Styrene	10.652	104	14900	3.312	ug/l		99
71) Bromoform	10.799	173	3470	3.059	ug/l	#	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l		98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l		
77) Bromobenzene	11.195	156	5857	3.417	ug/l		96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l		100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l		98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l		97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l		99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l		90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l		94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l		96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l		96
95) Naphthalene	13.774	128	19902	3.209	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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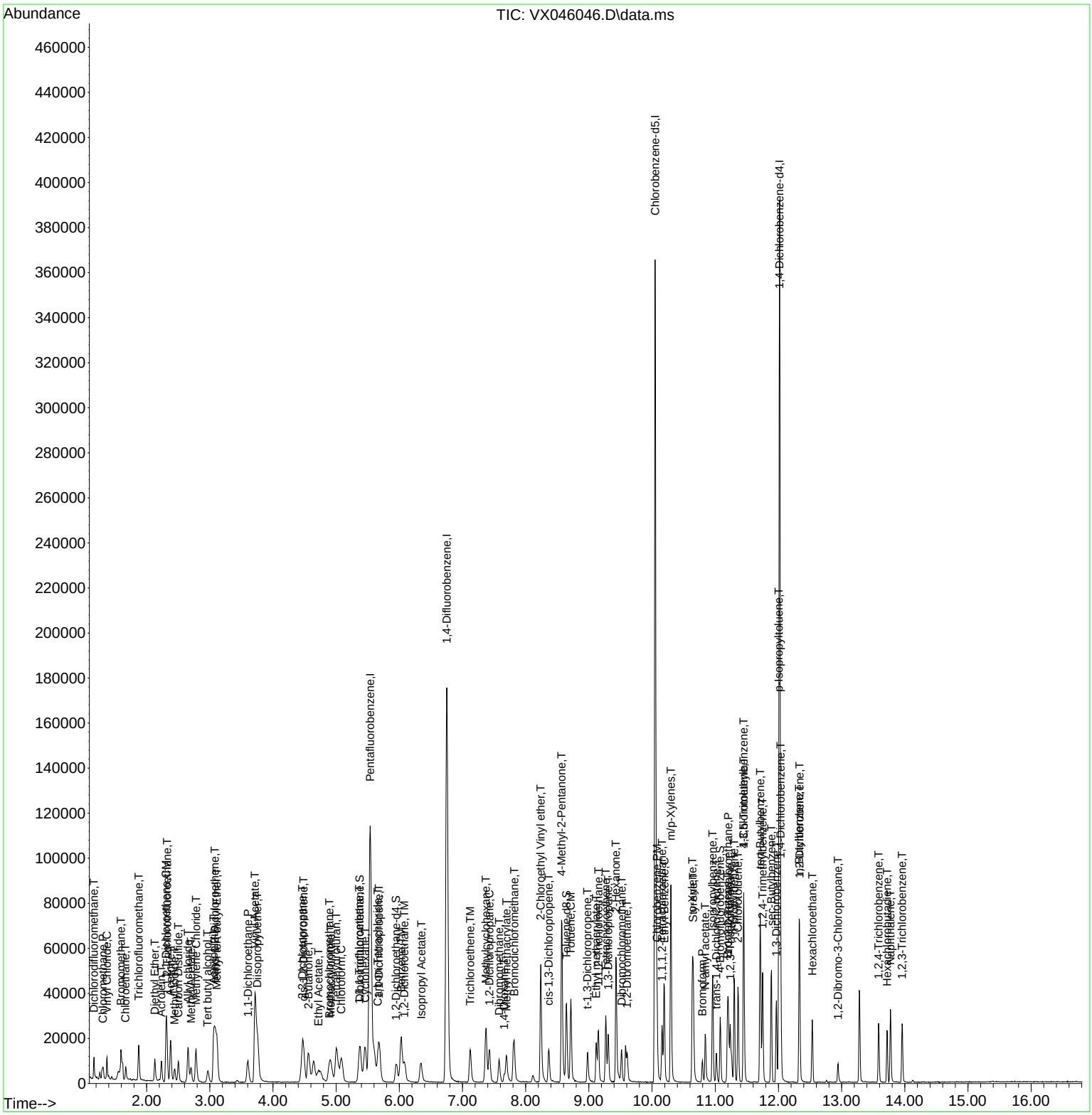
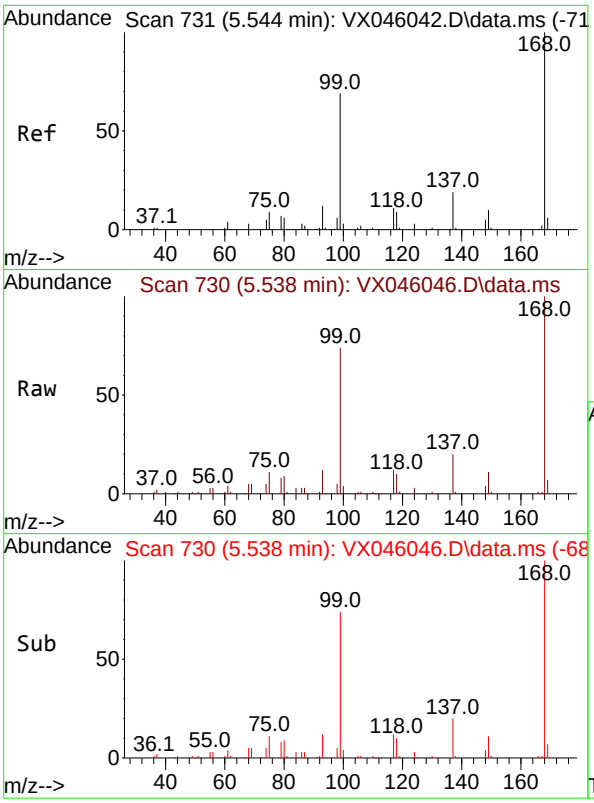
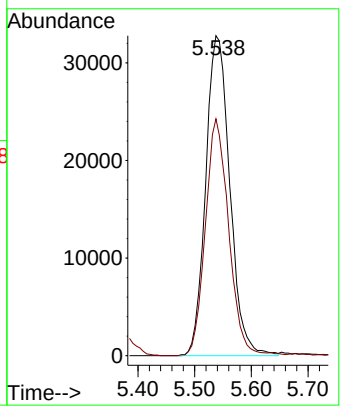




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:168 Resp: 9696

Ion	Ratio	Lower	Upper
168	100		
99	74.0	54.9	82.3



Instrument :
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ClientSampleId :
VSTDICC005

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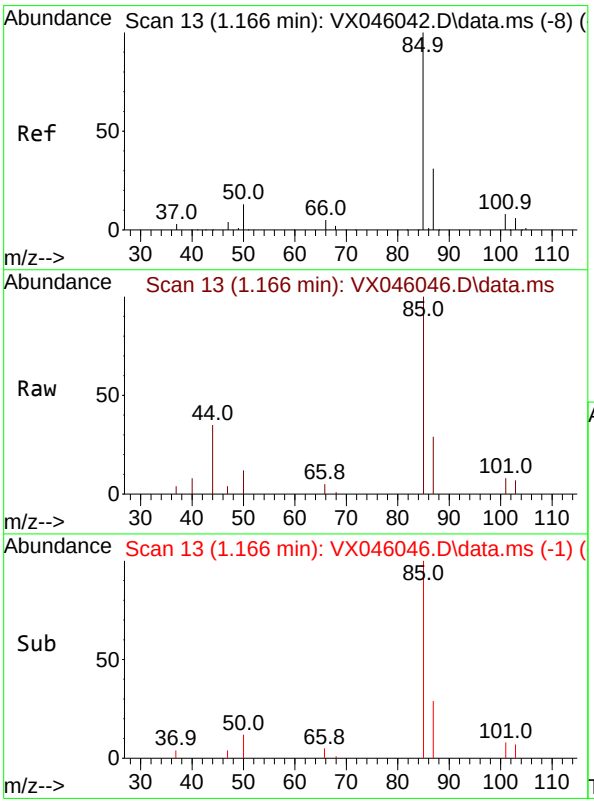
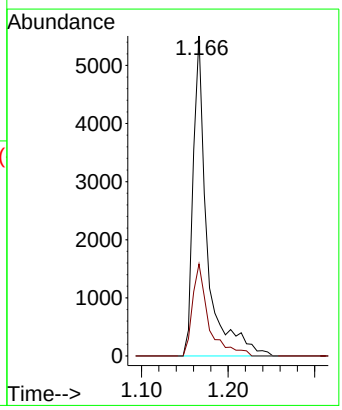
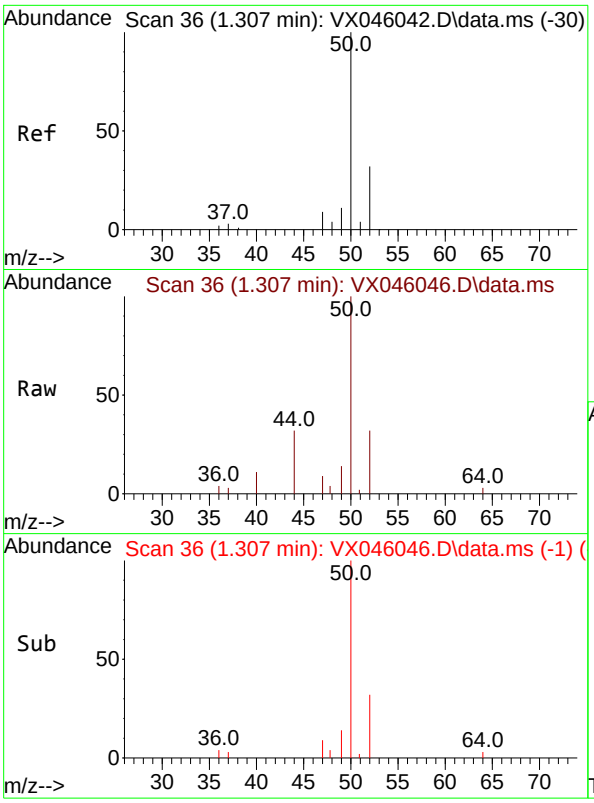


#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

Ion	Ratio	Lower	Upper
85	100		
87	28.7	15.7	47.1

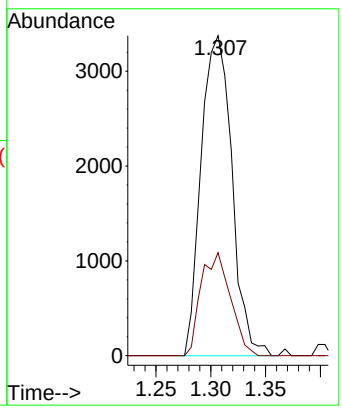




#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 50 Resp: 658

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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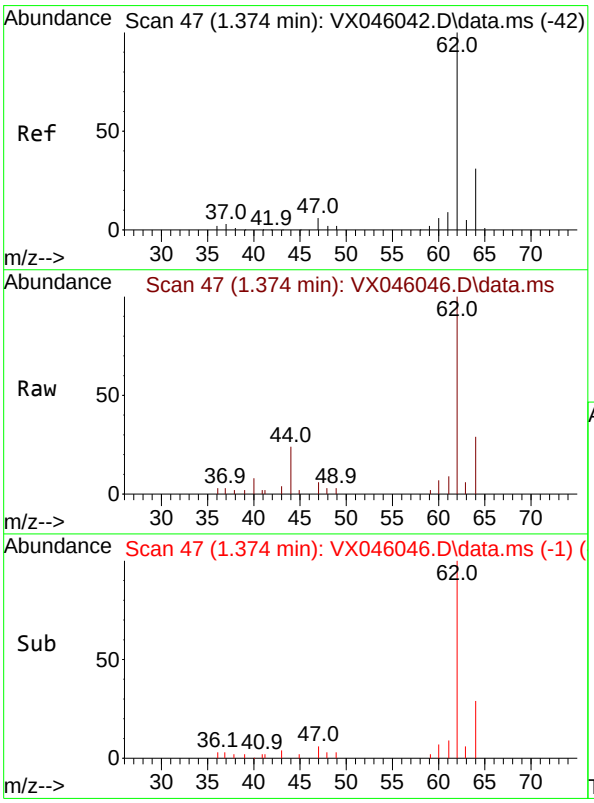
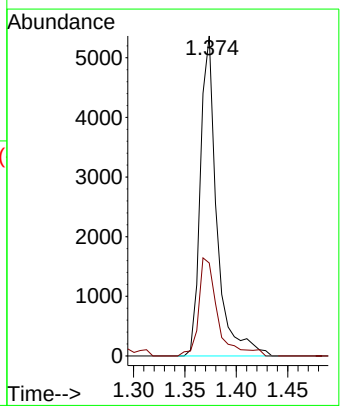
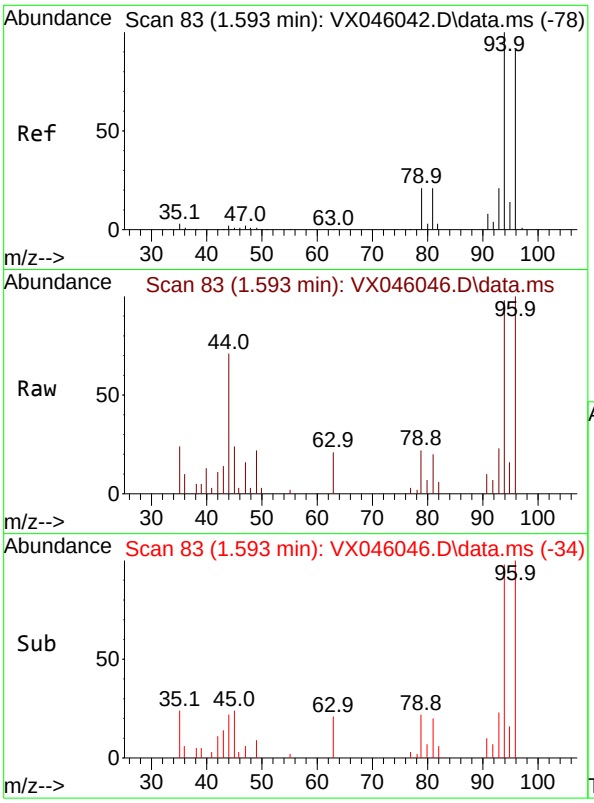


#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

Ion	Ratio	Lower	Upper
62	100		
64	29.1	25.2	37.8

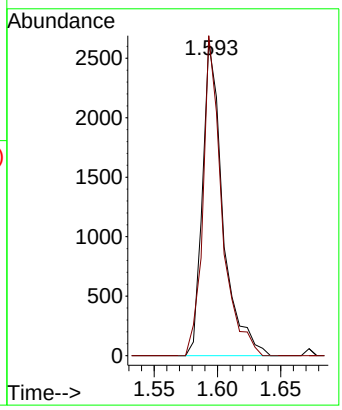




#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 94 Resp: 296

Ion	Ratio	Lower	Upper
94	100		
96	102.2	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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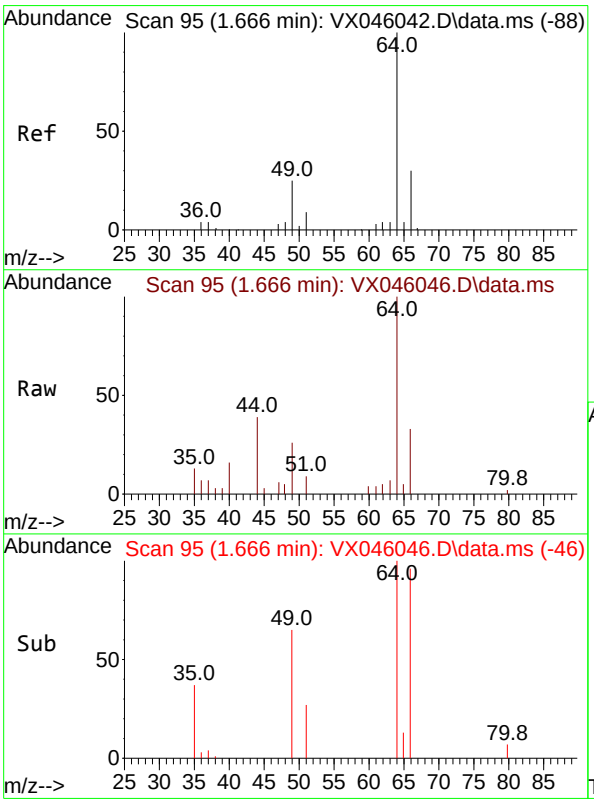
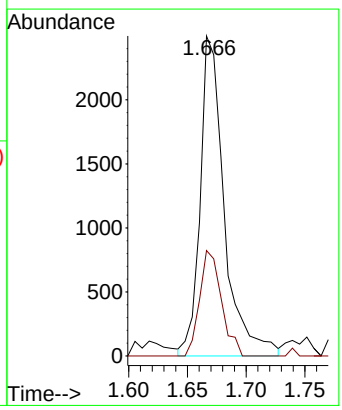
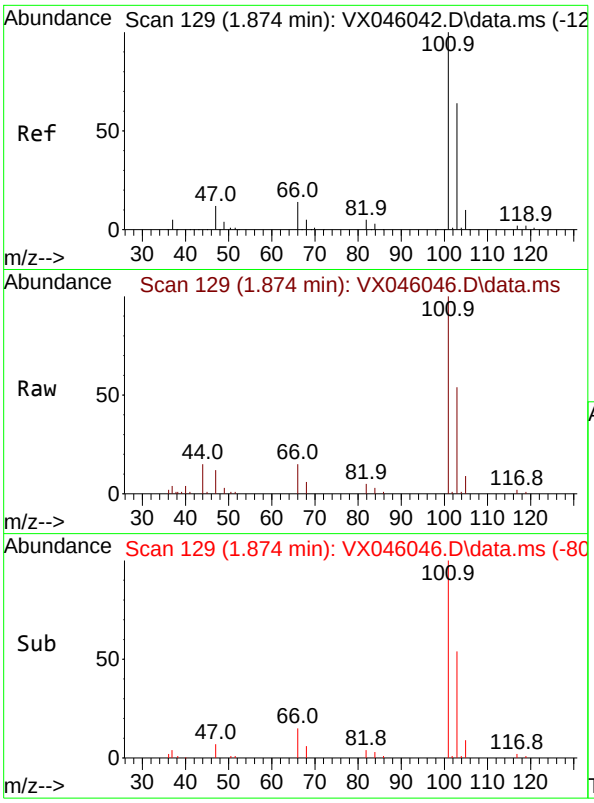


#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

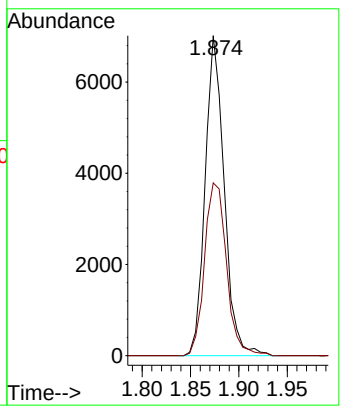




#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:101 Resp: 959

Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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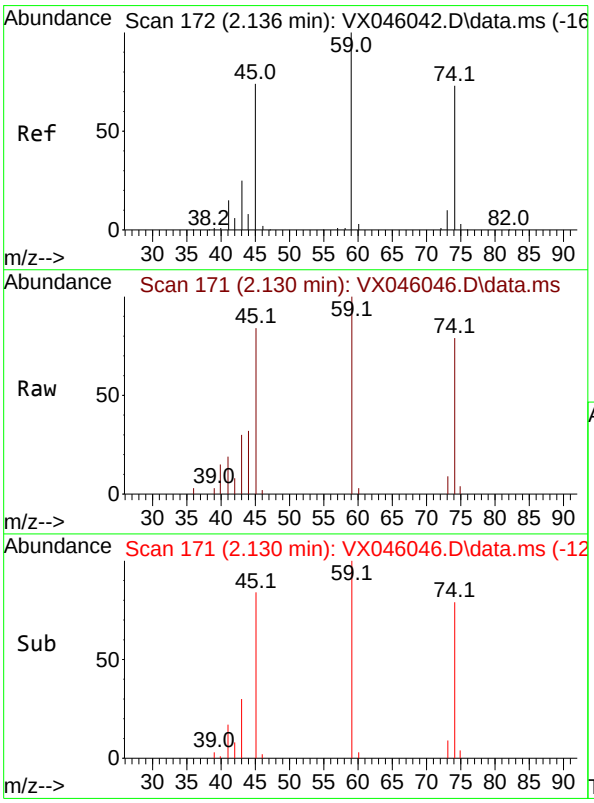
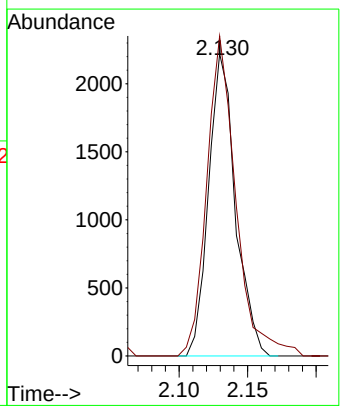
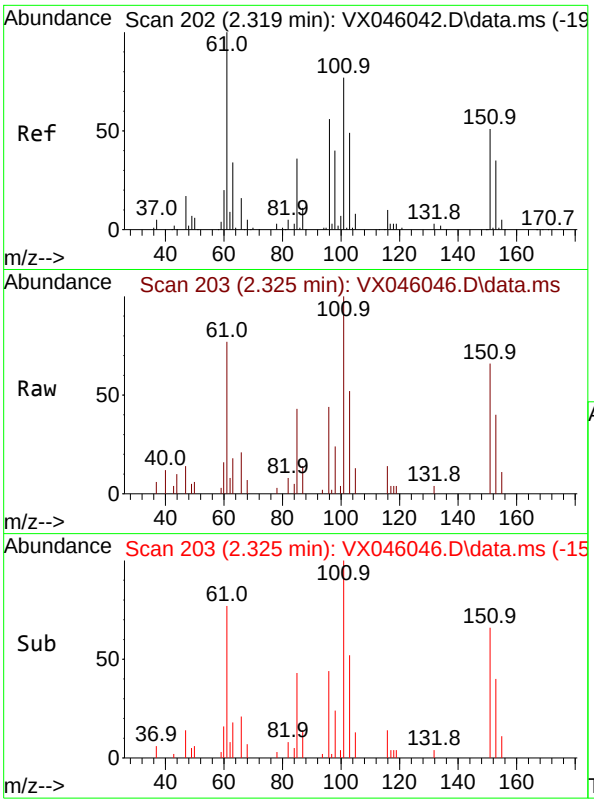


#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

Ion	Ratio	Lower	Upper
74	100		
45	115.1	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:101 Resp: 591

Ion	Ratio	Lower	Upper
101	100		
85	46.3	38.6	58.0
151	68.8	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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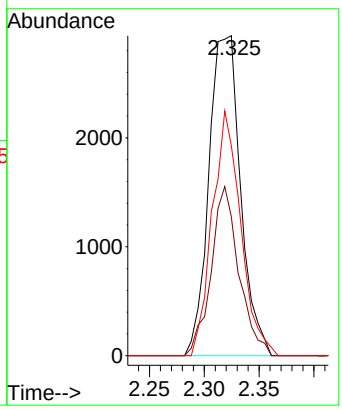
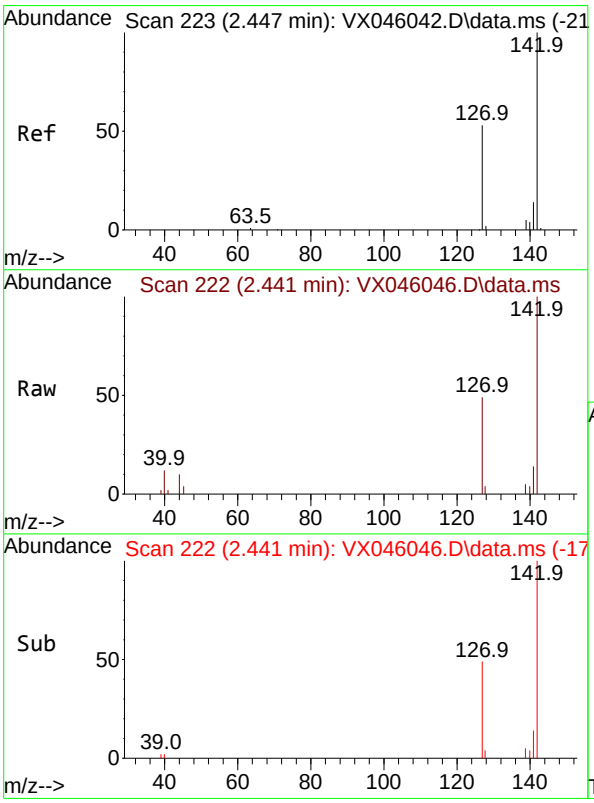
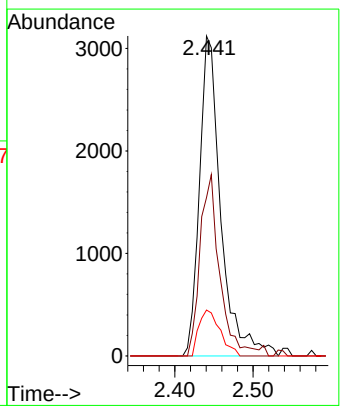


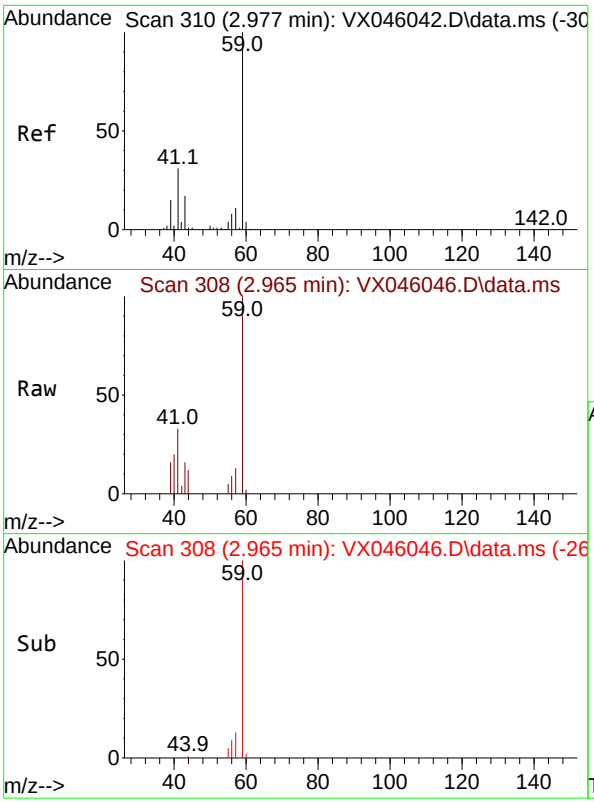


#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:142 Resp: 5900

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.3	11.5	17.3

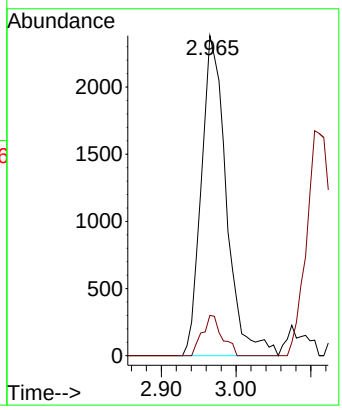




#11
Tert butyl alcohol
Concen: 16.111 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 59 Resp: 553

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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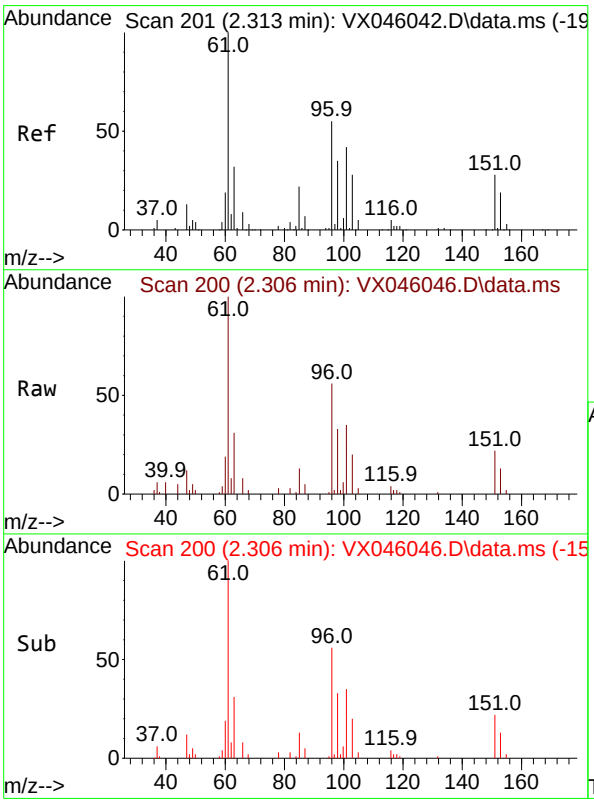
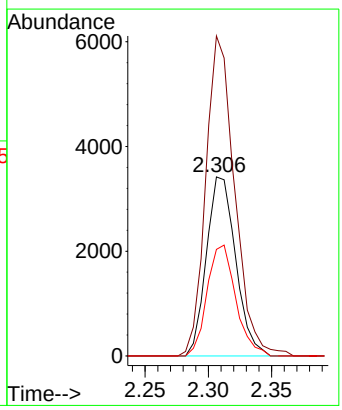
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

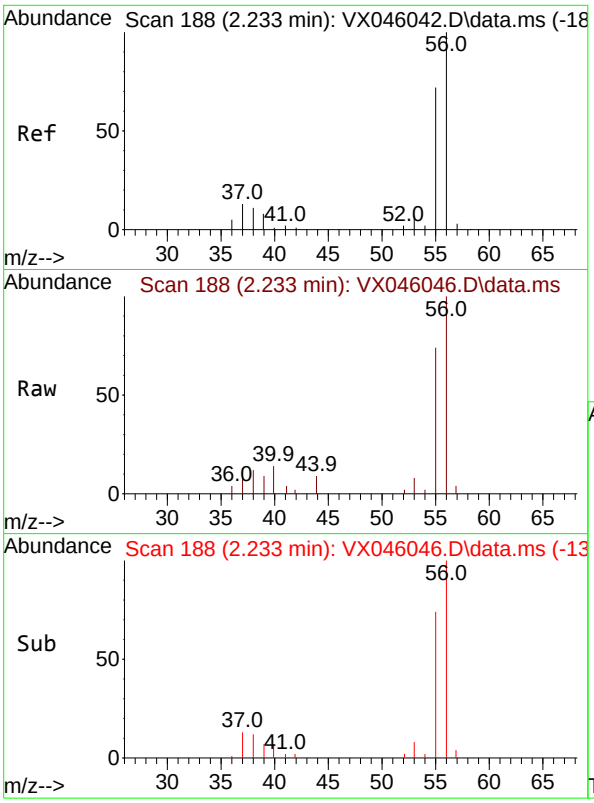


#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 5496

Ion	Ratio	Lower	Upper
96	100		
61	178.7	146.2	219.2
98	59.5	51.0	76.6

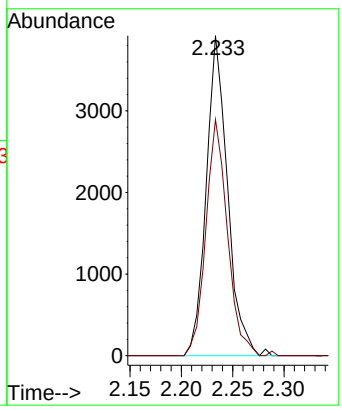




#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 567

Ion	Ratio	Lower	Upper
56	100		
55	74.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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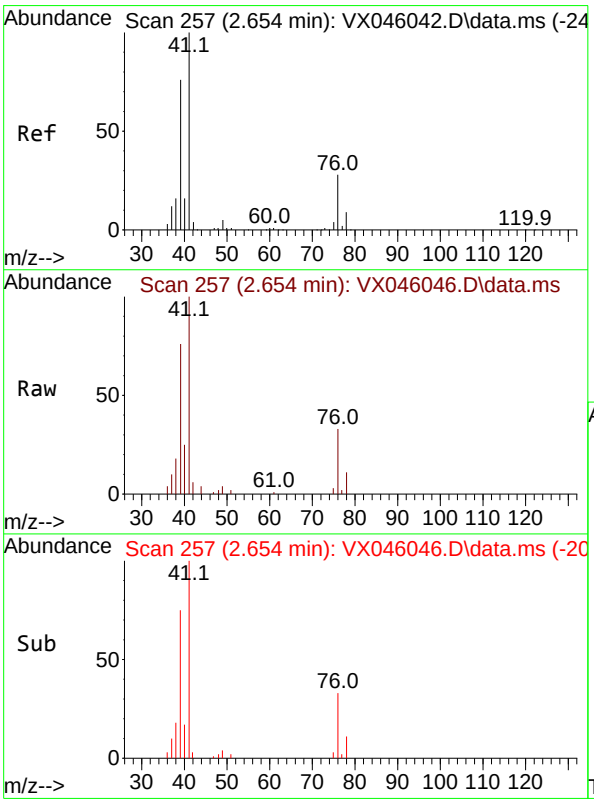
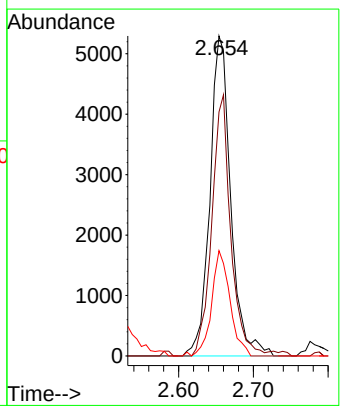
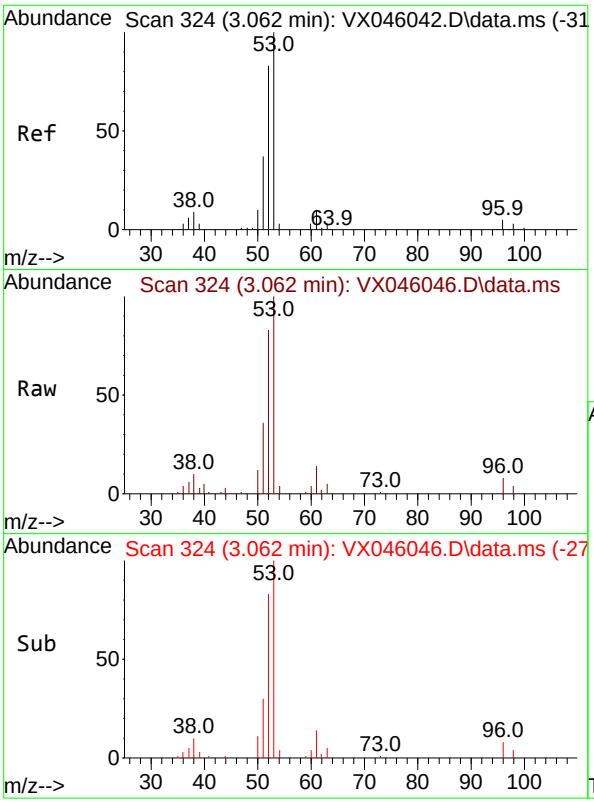


#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 10262

Ion	Ratio	Lower	Upper
41	100		
39	74.1	60.6	90.8
76	29.1	24.9	37.3

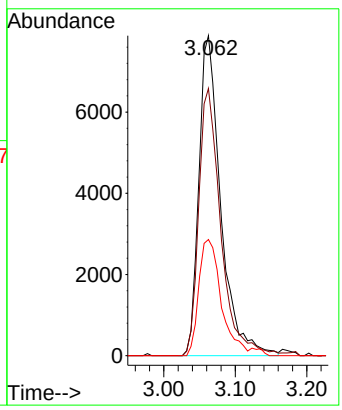




#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 53 Resp: 1674

Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.3	97.9
51	38.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 05/06/2025
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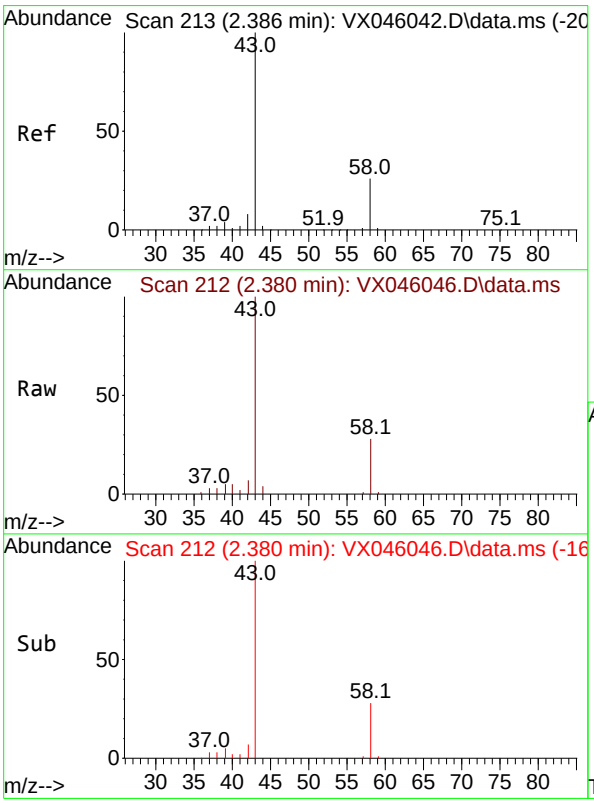
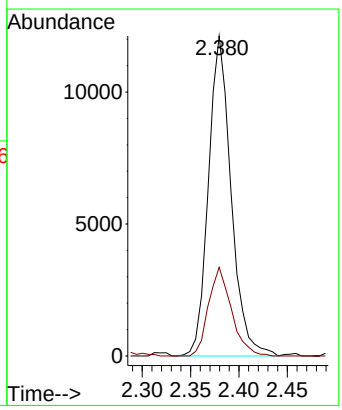
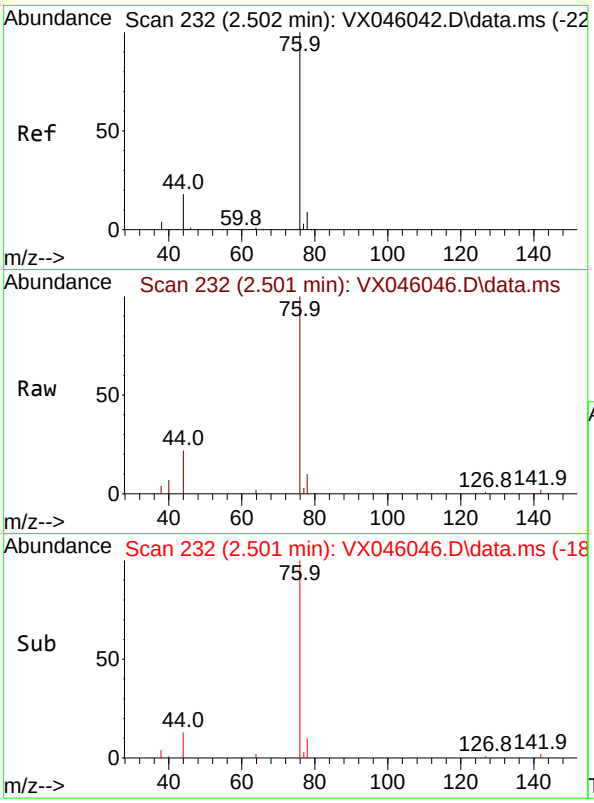


#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8

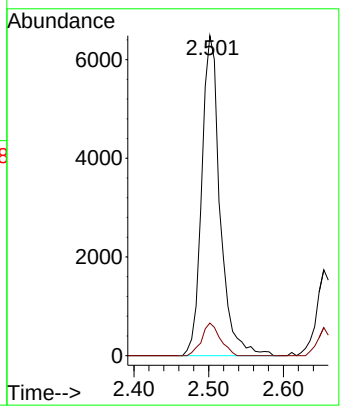




#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 1106

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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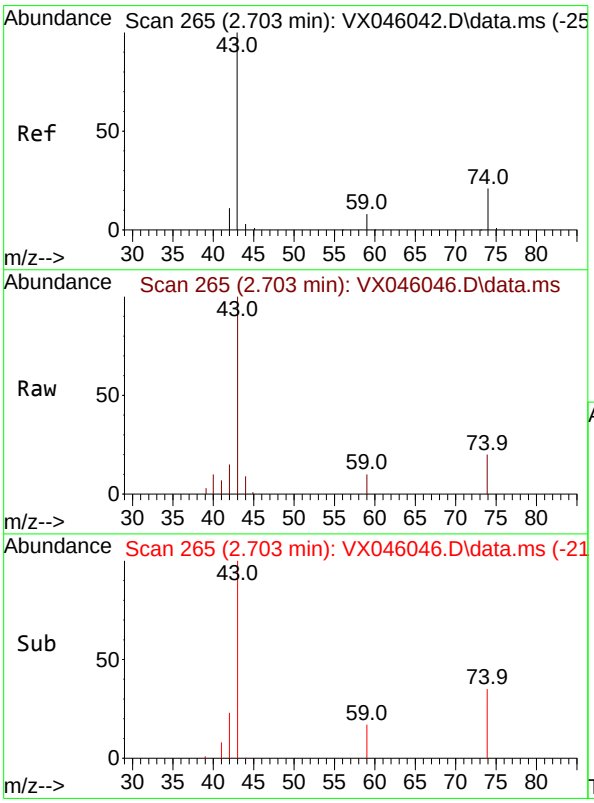
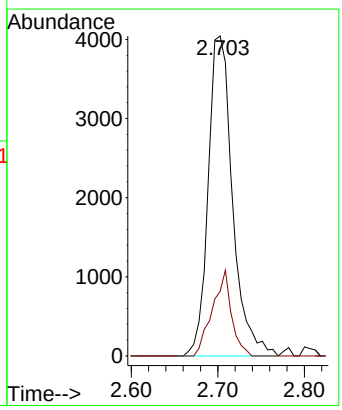
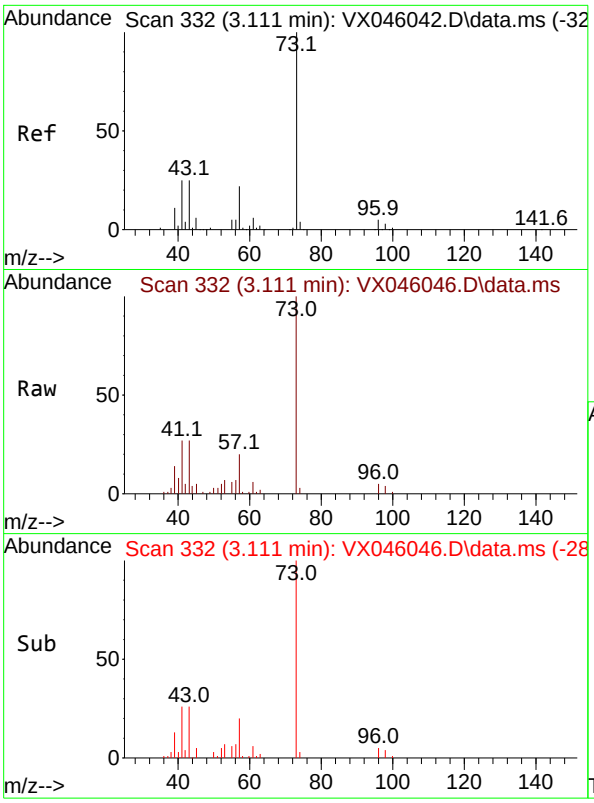


#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

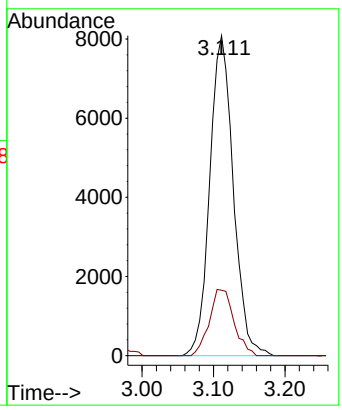




#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 73 Resp: 1849

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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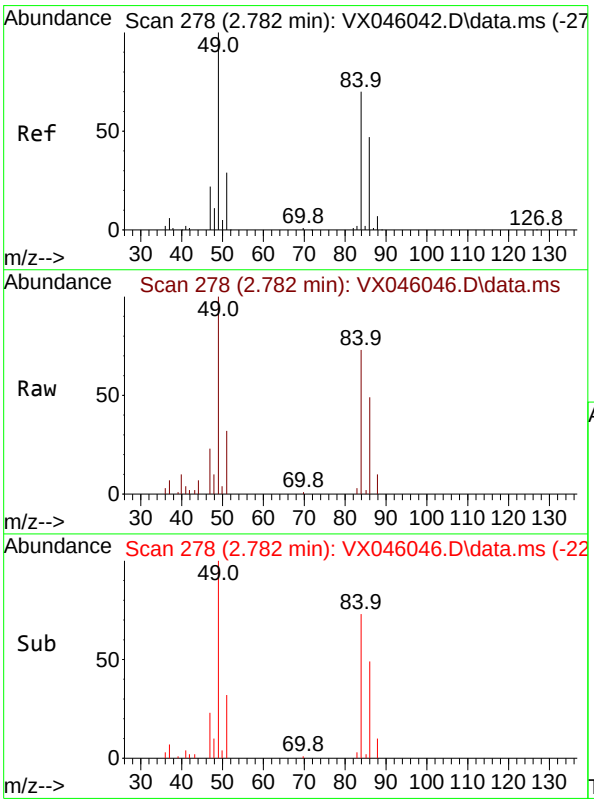
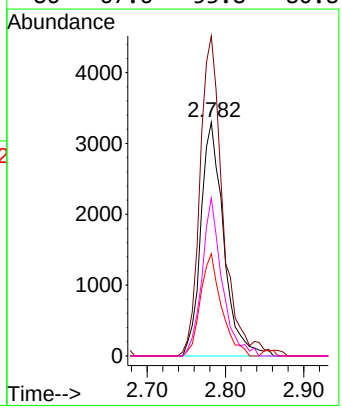
Supervised By :Mahesh Dadoda 05/06/2025

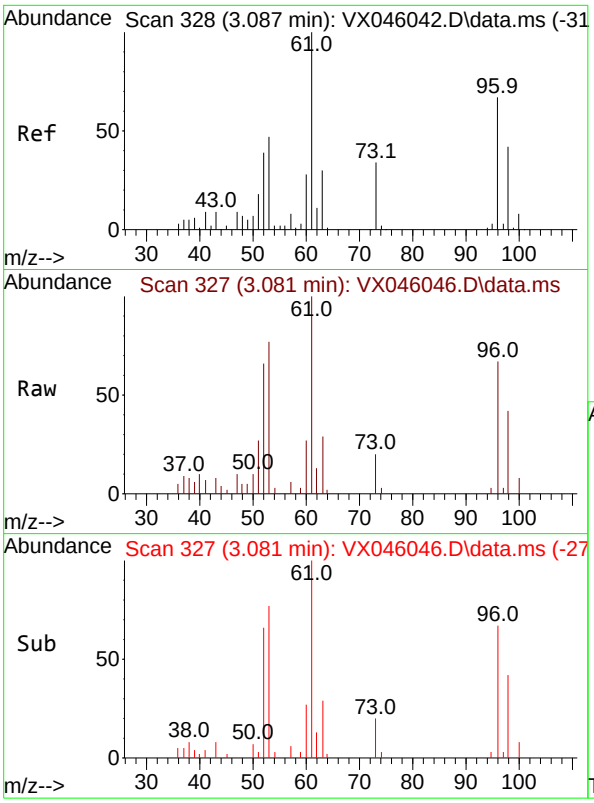


#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 84 Resp: 6680

Ion	Ratio	Lower	Upper
84	100		
49	137.0	113.9	170.9
51	43.8	33.5	50.3
86	67.6	53.8	80.8

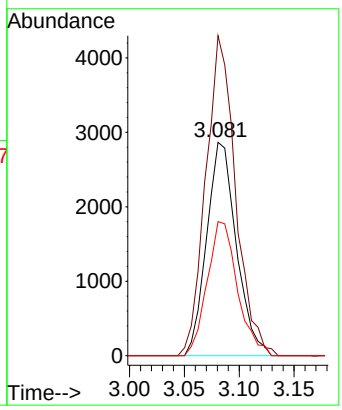




#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 540

Ion	Ratio	Lower	Upper
96	100		
61	149.9	119.5	179.3
98	62.9	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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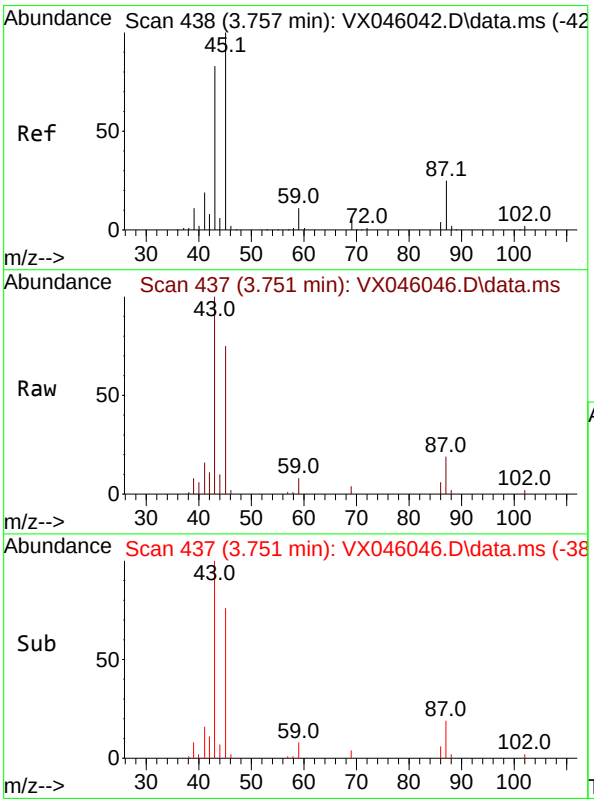
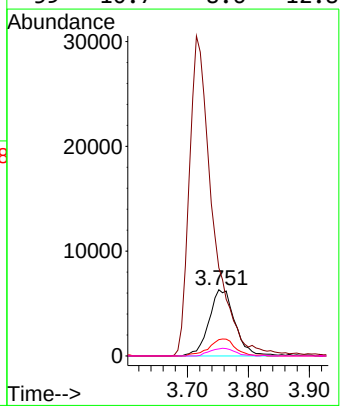
Supervised By :Mahesh Dadoda 05/06/2025

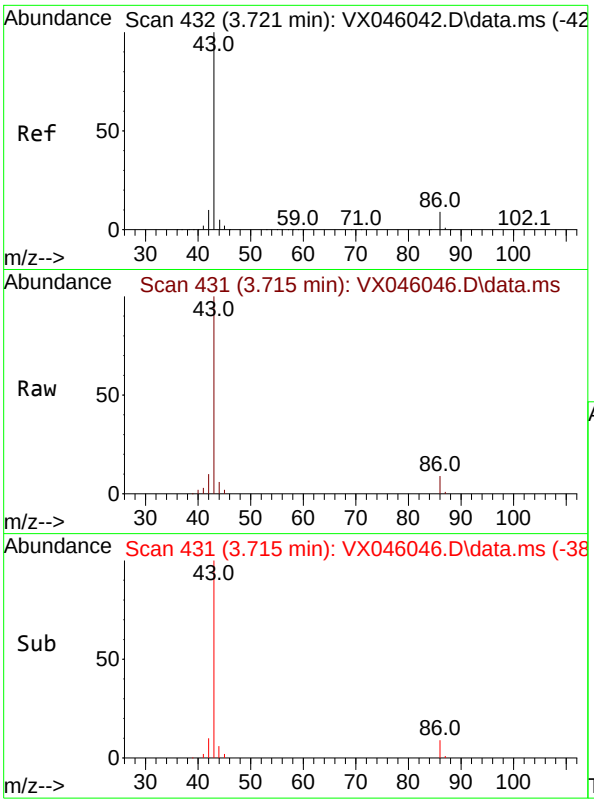


#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 45 Resp: 18657

Ion	Ratio	Lower	Upper
45	100		
43	128.0	66.6	100.0#
87	24.7	19.8	29.6
59	10.7	8.6	12.8





#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 8232

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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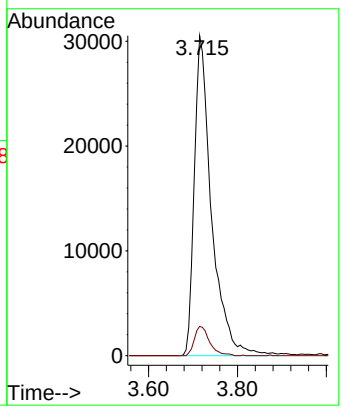
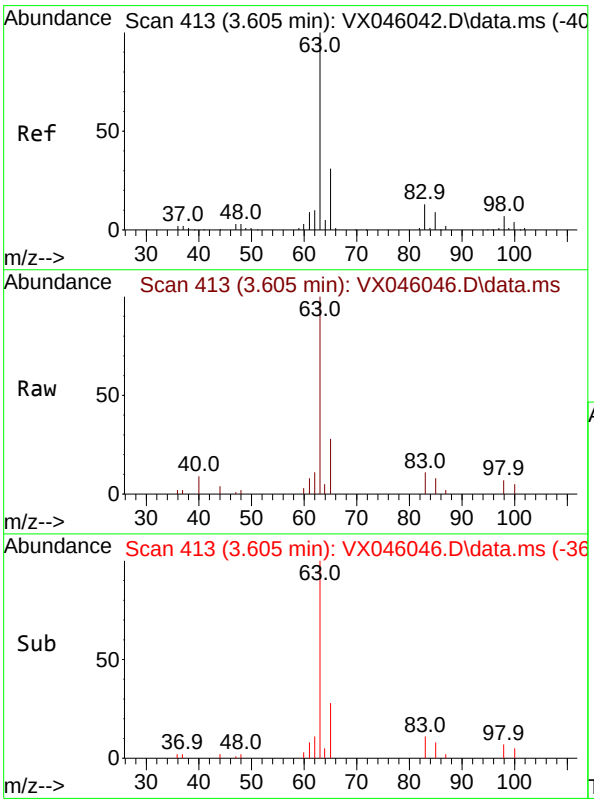
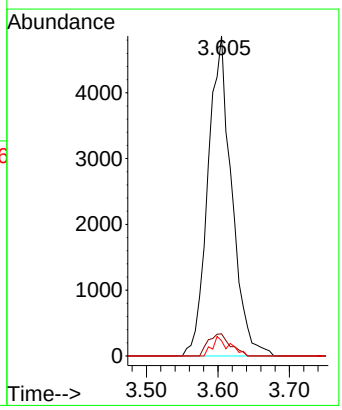


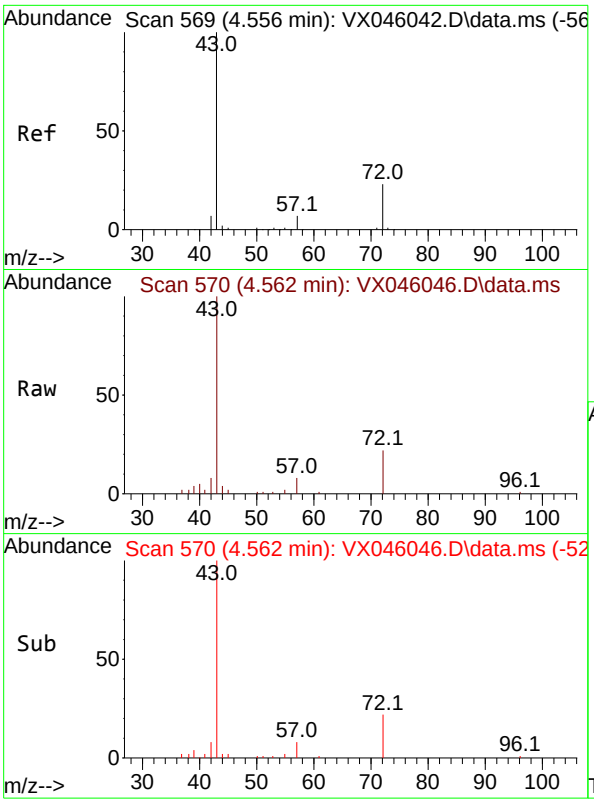


#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 11193

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 18.340 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 2612

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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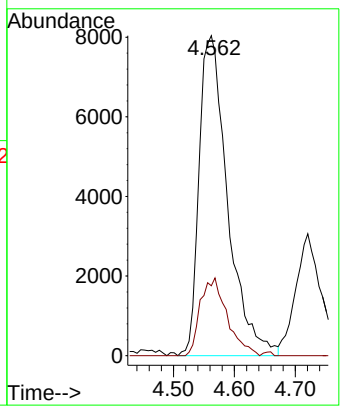
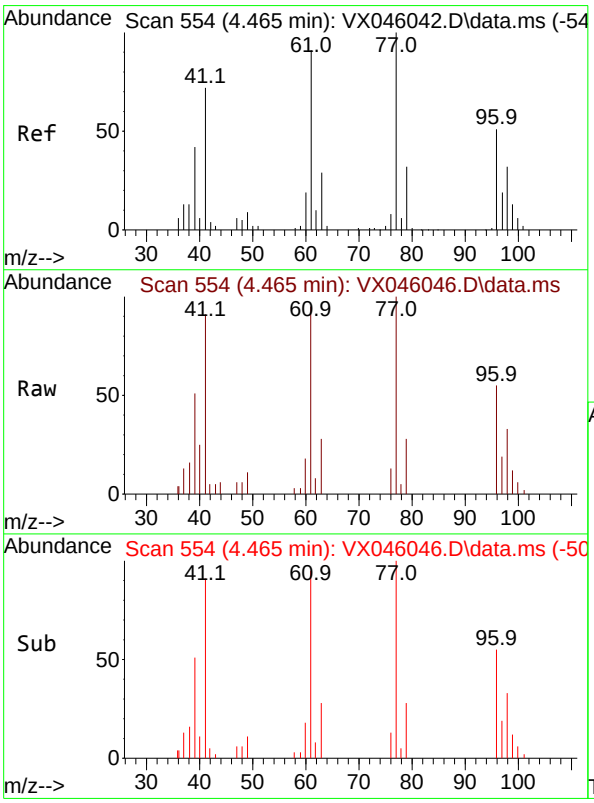
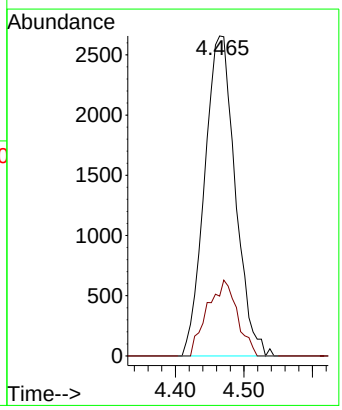


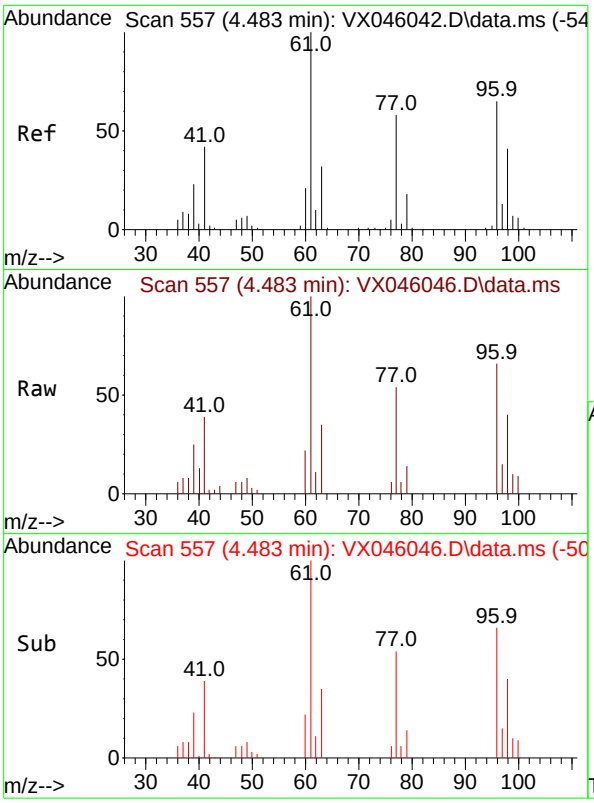


#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 77 Resp: 8245

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.5	31.5

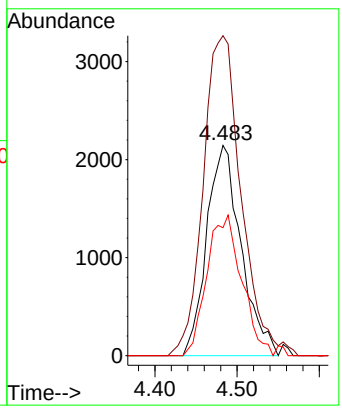




#27
cis-1,2-Dichloroethene
Concen: 3.089 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 622

Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	322.8
98	67.6	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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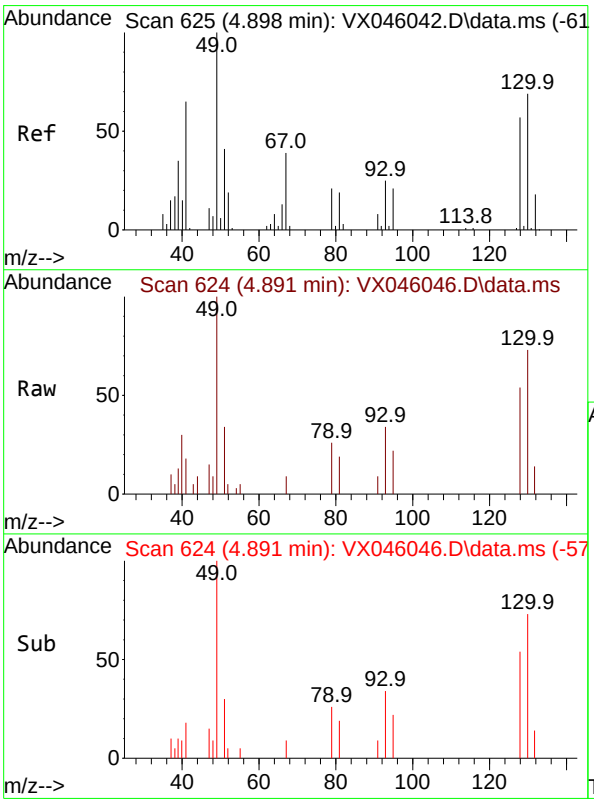
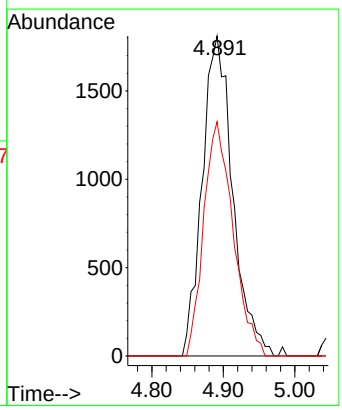
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

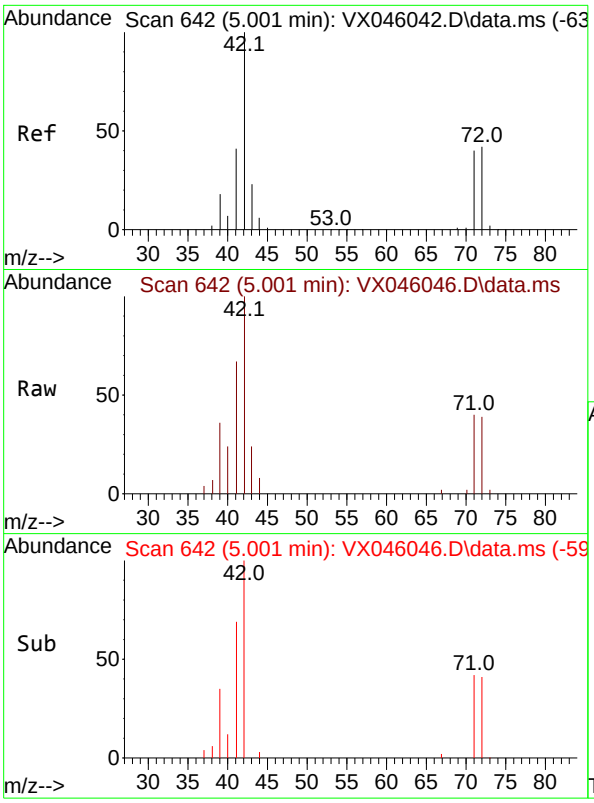


#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 49 Resp: 5360

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.5	56.2	84.2





#29
Tetrahydrofuran
Concen: 16.680 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

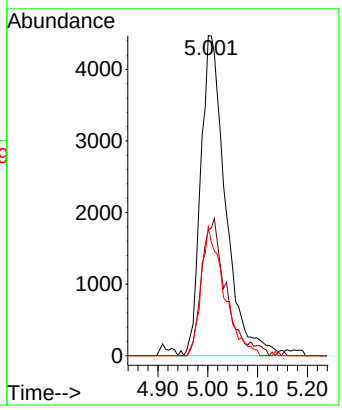
Tgt Ion: 42 Resp: 1543

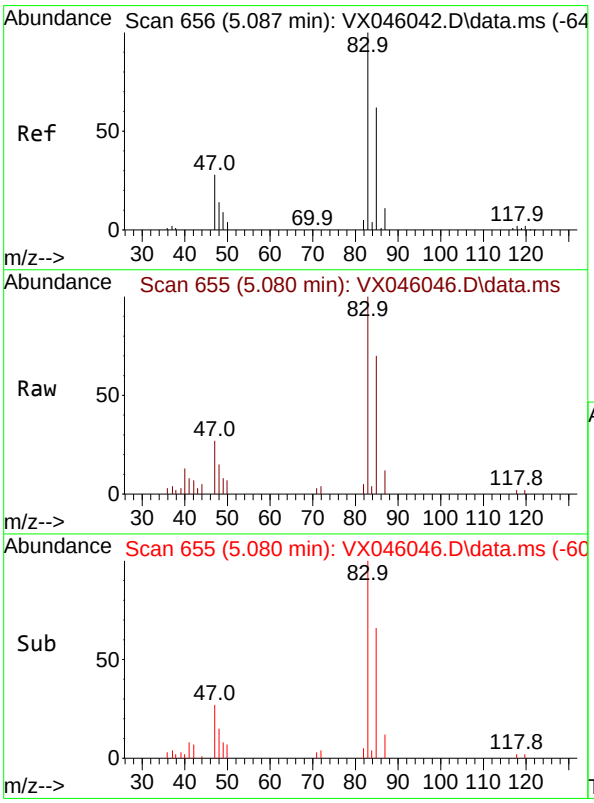
Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	37.4	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

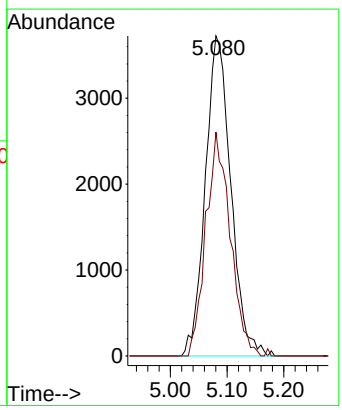


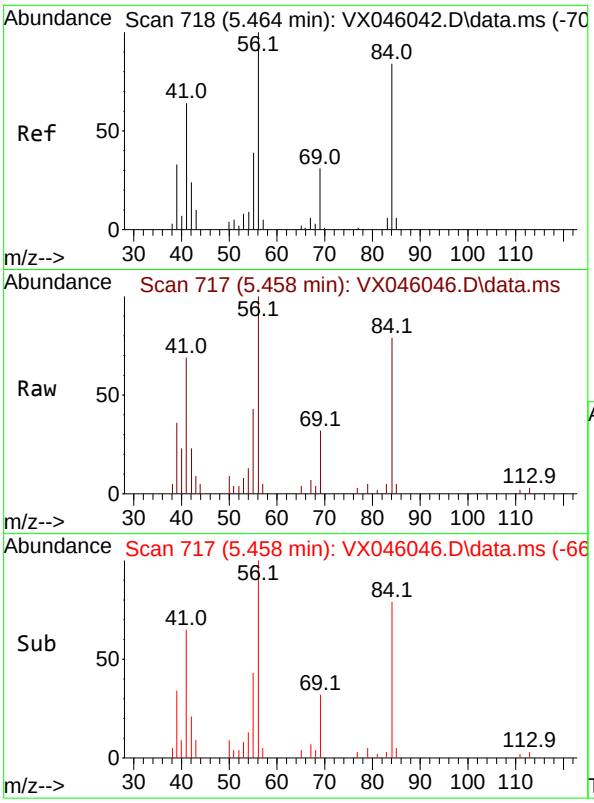


#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

Ion	Ratio	Lower	Upper
83	100		
85	69.9	49.3	73.9

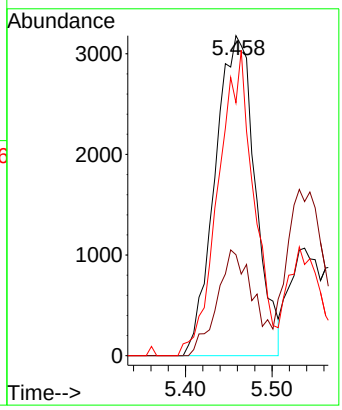




#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 1026

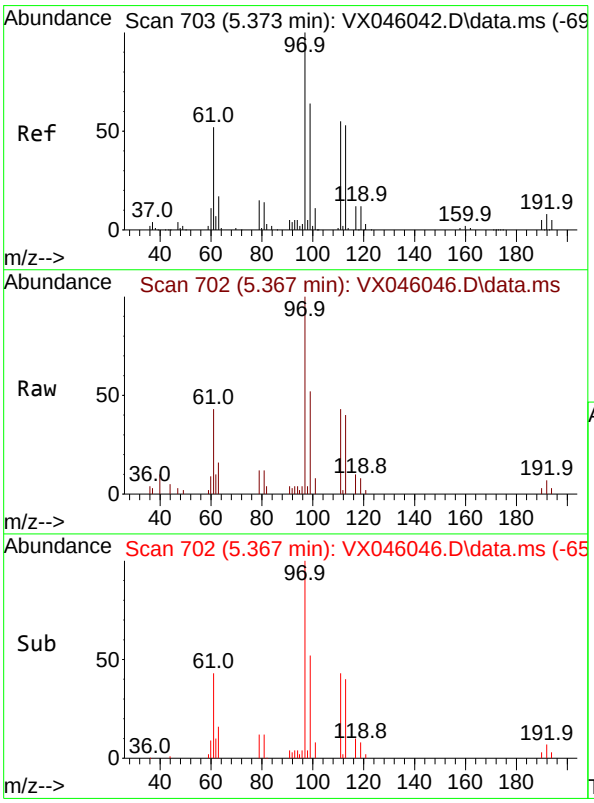
Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.4	36.6
84	79.1	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

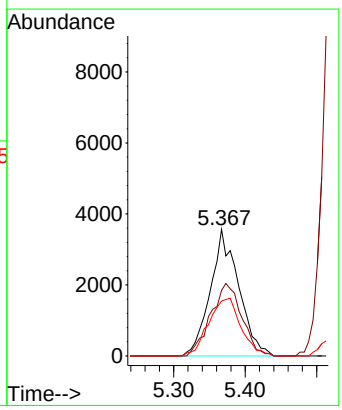
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

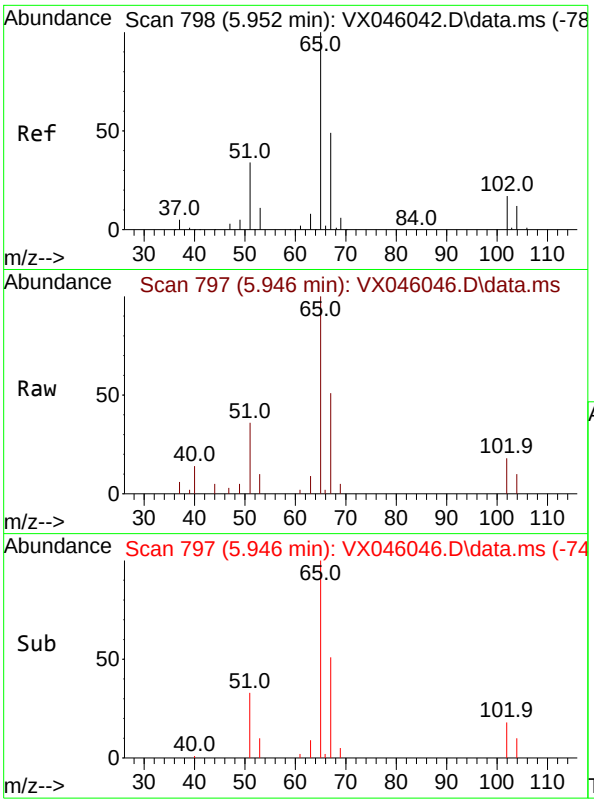


#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 9827

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	51.8	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 3.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 65 Resp: 906

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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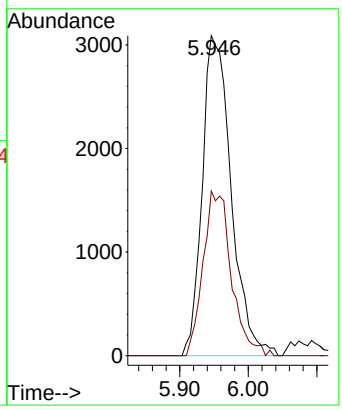
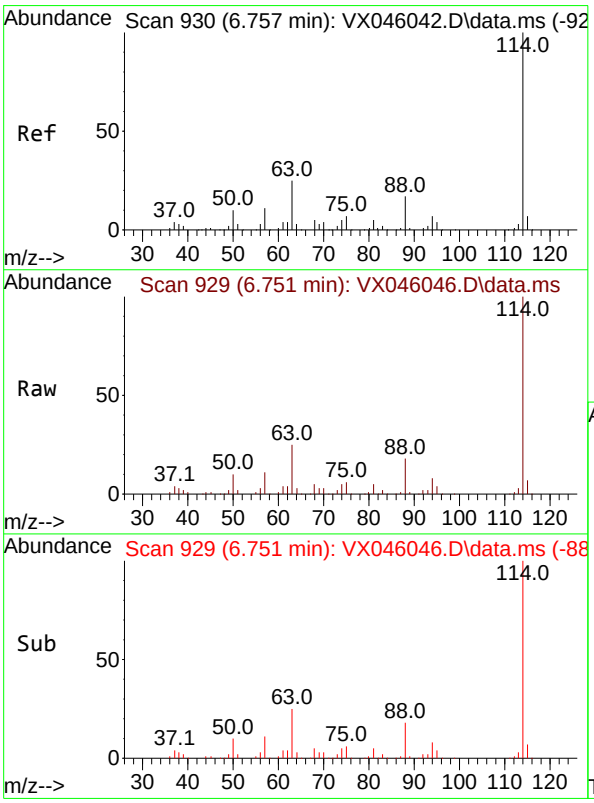
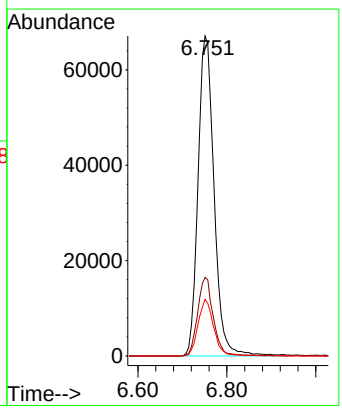


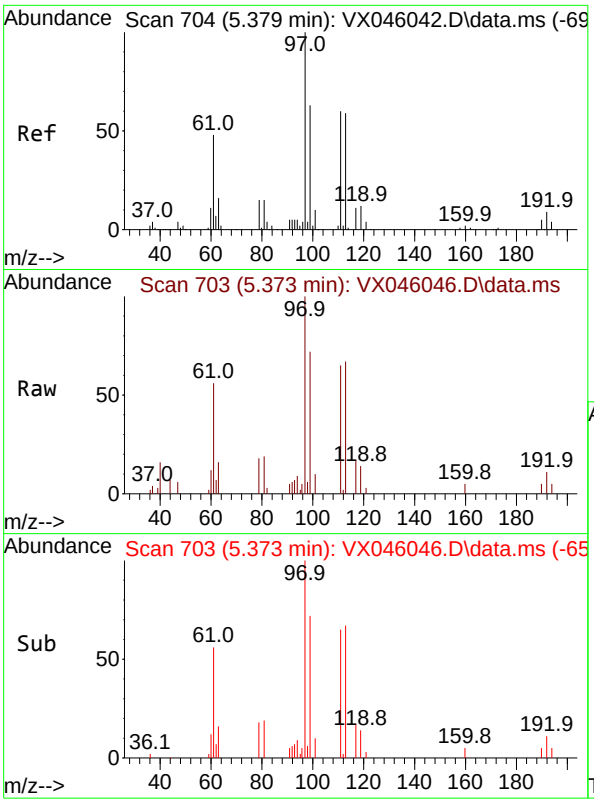


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:114 Resp: 168484

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.7	0.0	33.6

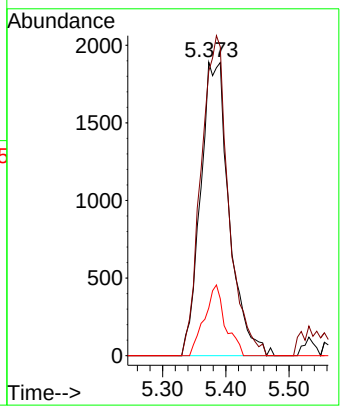




#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:113 Resp: 596

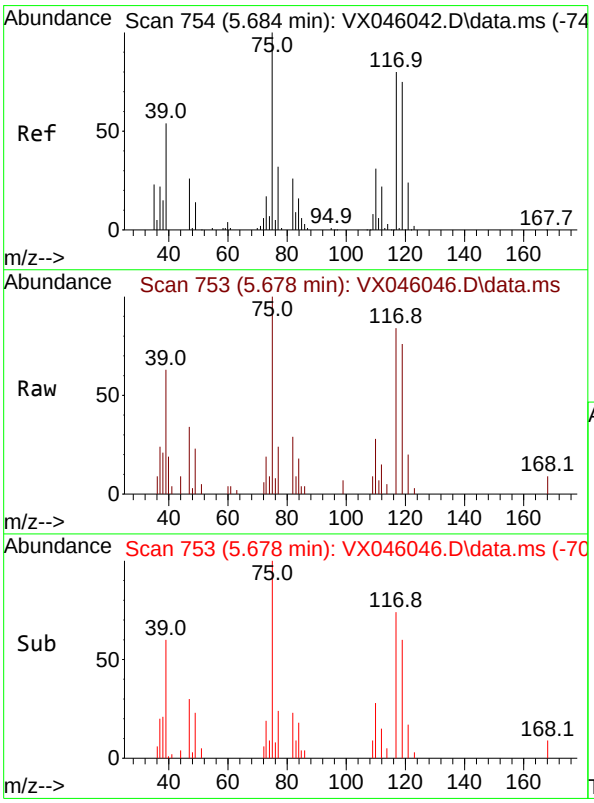
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	17.5	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

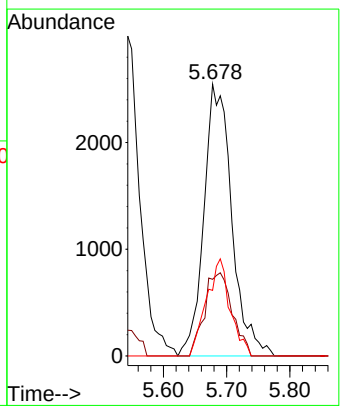
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

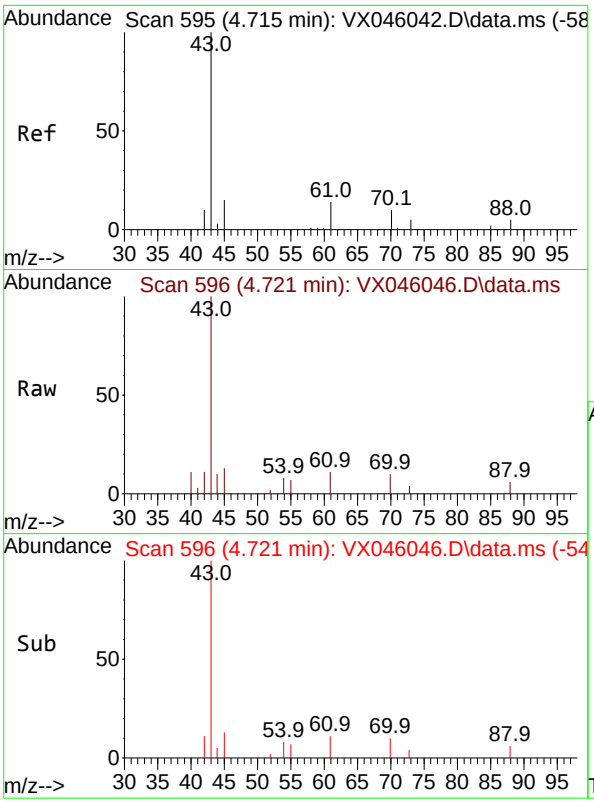


#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7787

Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.3	48.9
77	30.5	24.3	36.5

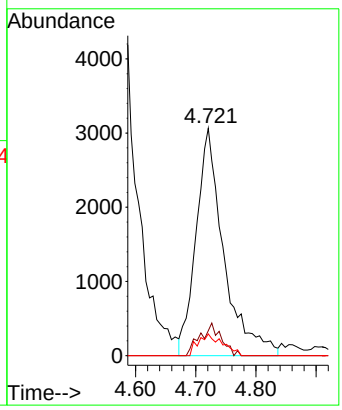




#37
Ethyl Acetate
Concen: 3.565 ug/l m
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 980

Ion	Ratio	Lower	Upper
43	100		
61	11.0	10.3	15.5
70	8.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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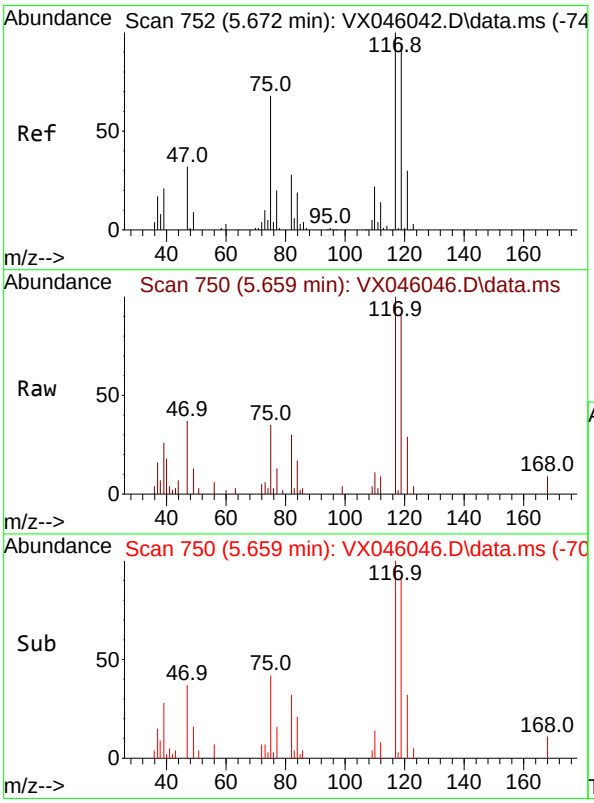
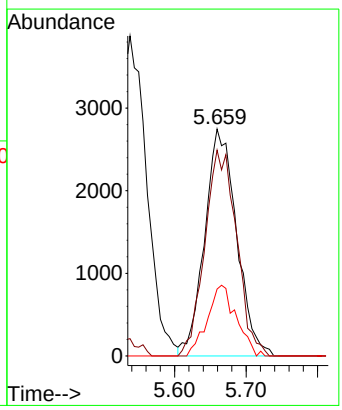
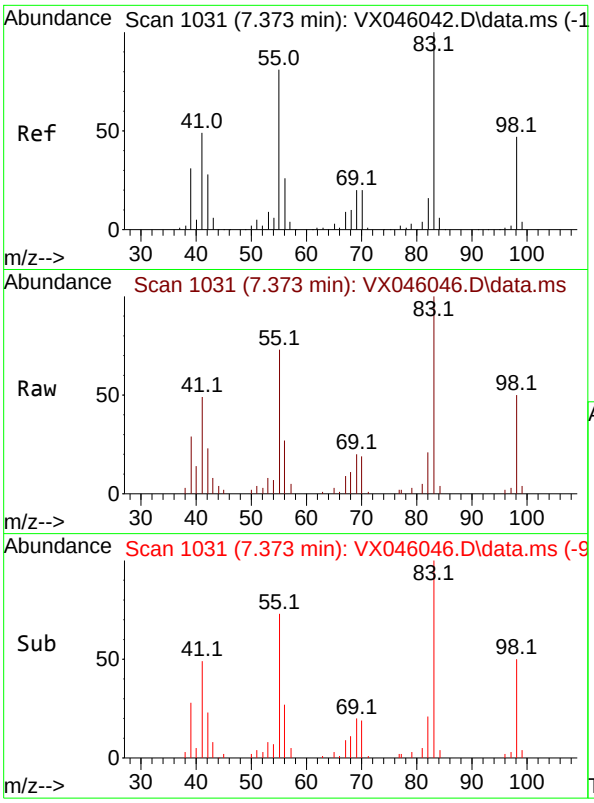


#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 8505

Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.2	112.8
121	29.5	24.2	36.4

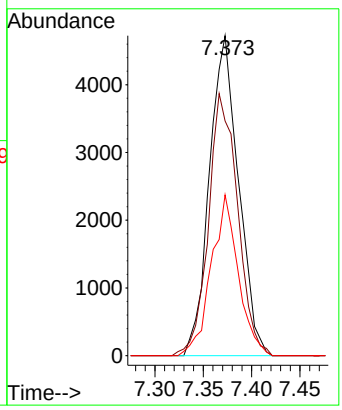




#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 988

Ion	Ratio	Lower	Upper
83	100		
55	73.3	64.7	97.1
98	50.3	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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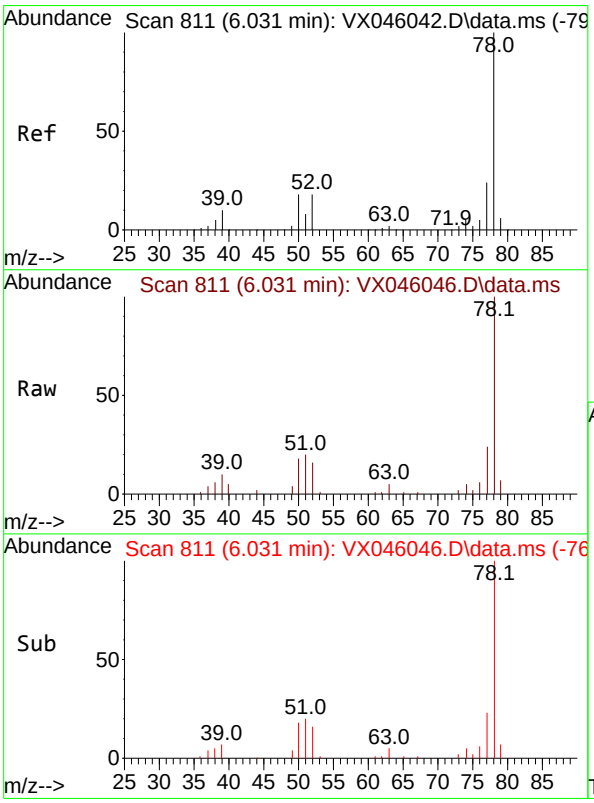
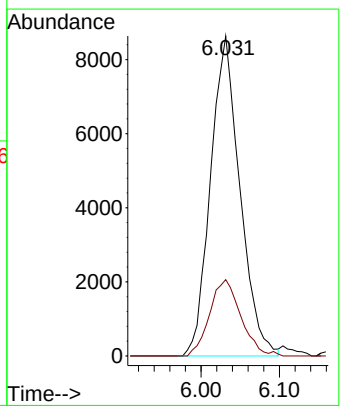
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

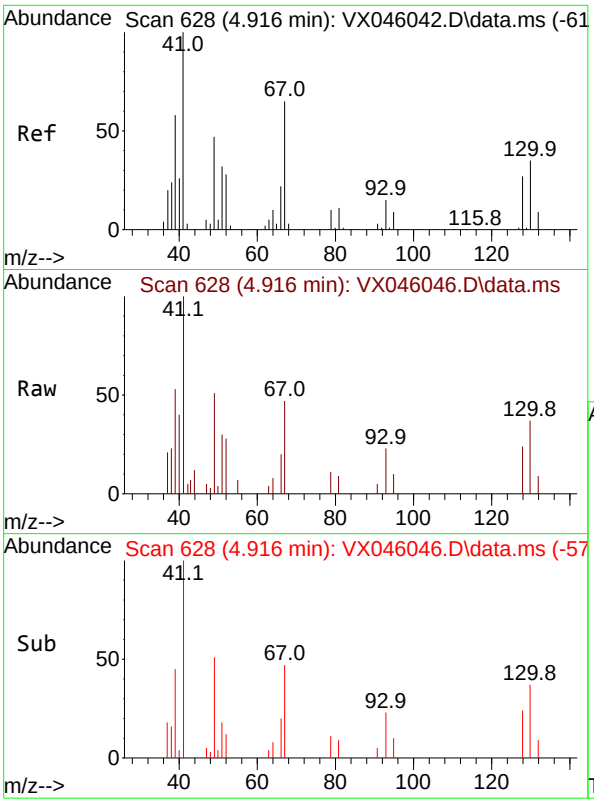


#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

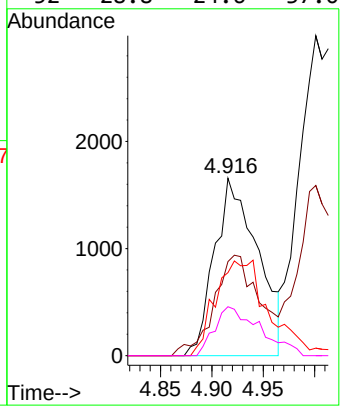




#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 485

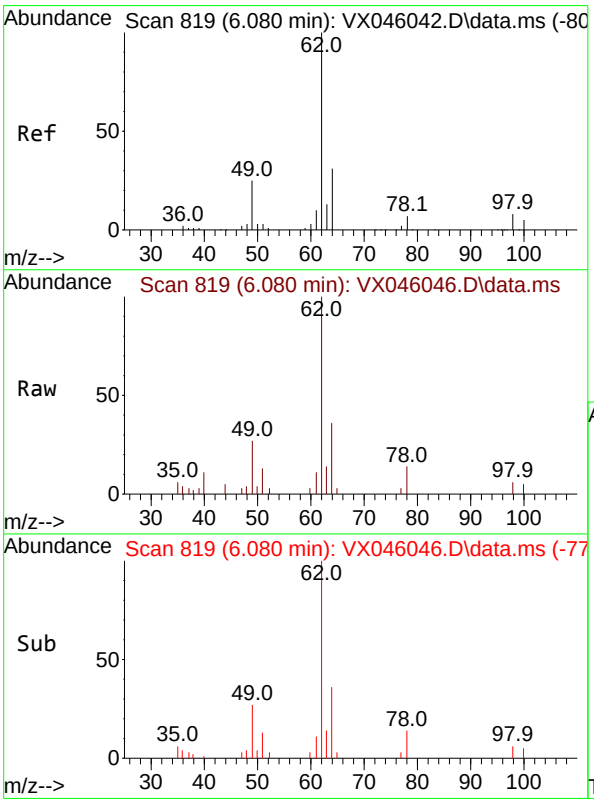
Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.2	70.8
67	0.0	50.7	76.1#
52	28.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

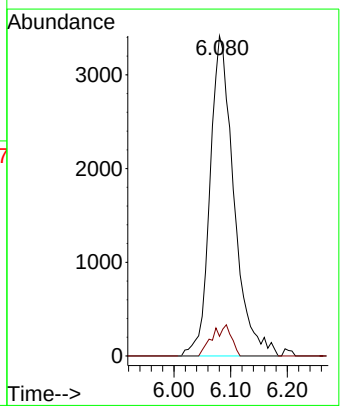
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

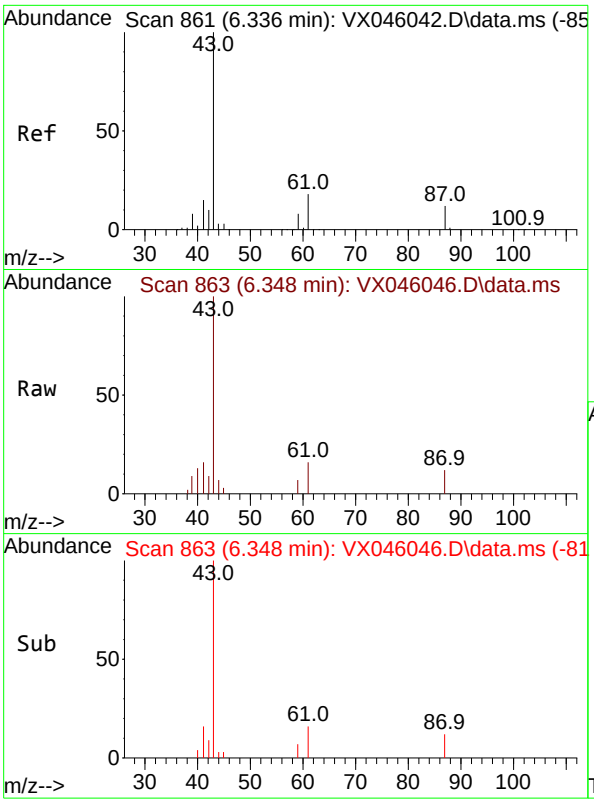


#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2





#43
Isopropyl Acetate
Concen: 3.309 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

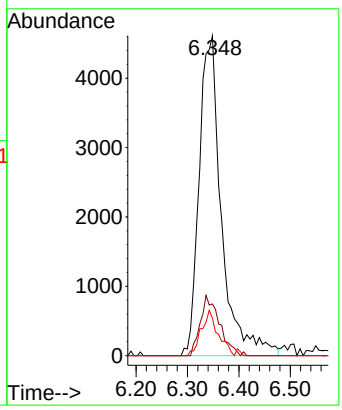
Tgt Ion: 43 Resp: 1391

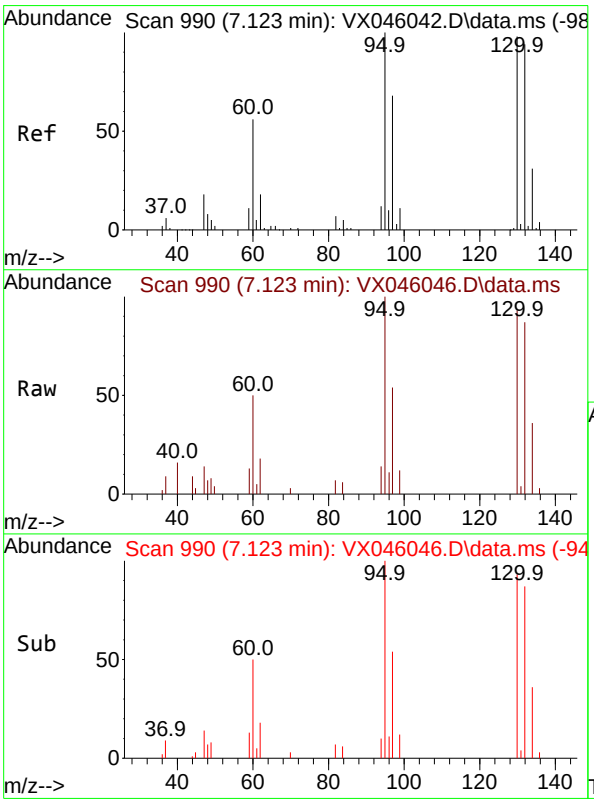
Ion	Ratio	Lower	Upper
43	100		
61	16.2	14.3	21.5
87	10.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

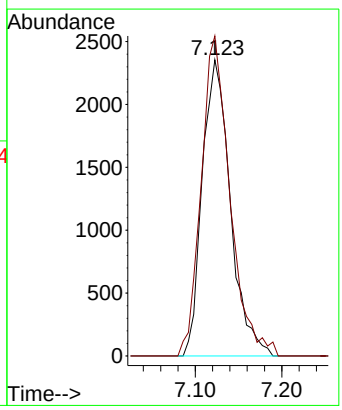


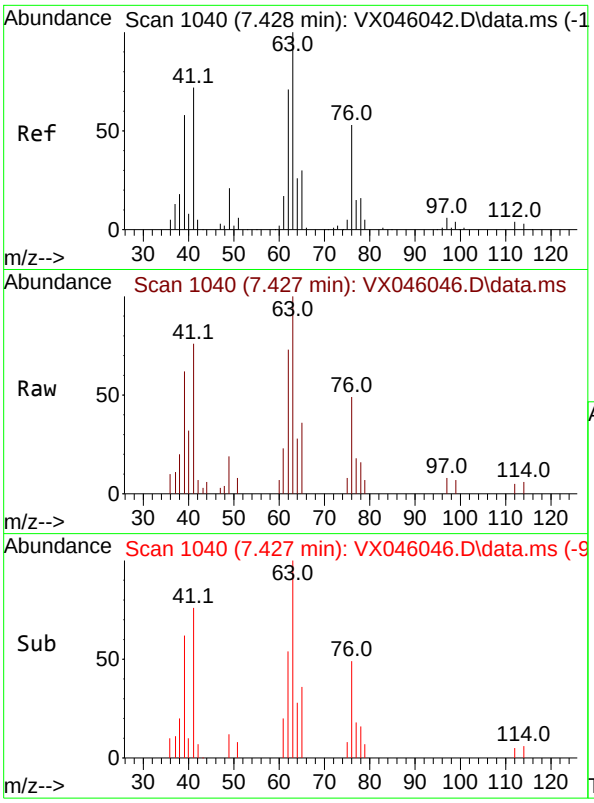


#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:130 Resp: 5313

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	204.2





#45
1,2-Dichloropropane
Concen: 3.228 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

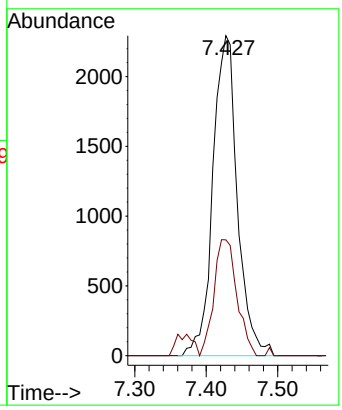
Tgt Ion: 63 Resp: 545

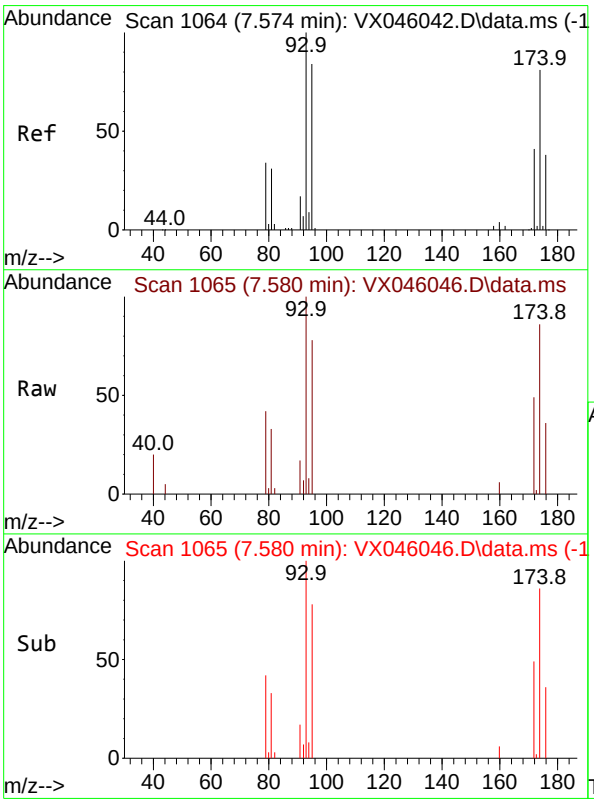
Ion	Ratio	Lower	Upper
63	100		
65	36.2	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

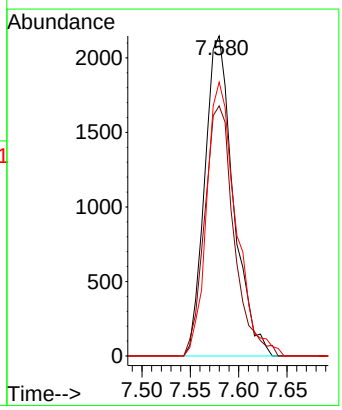


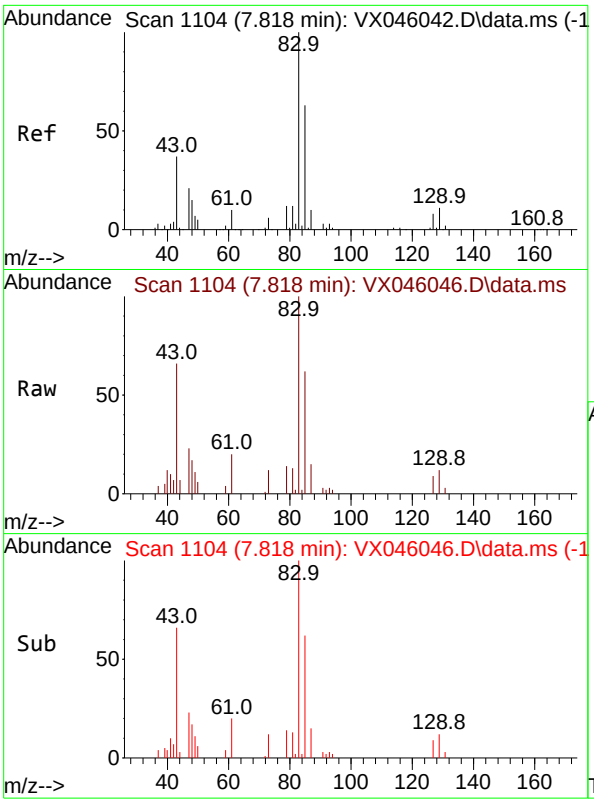


#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 93 Resp: 4417

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.6	98.4
174	87.6	68.2	102.2

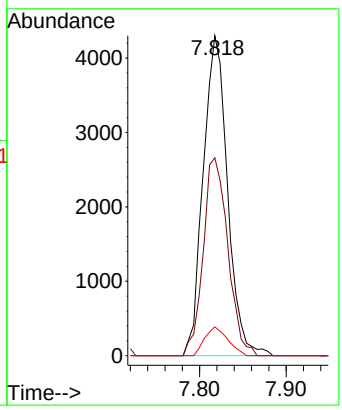




#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 839

Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.5	75.7
127	9.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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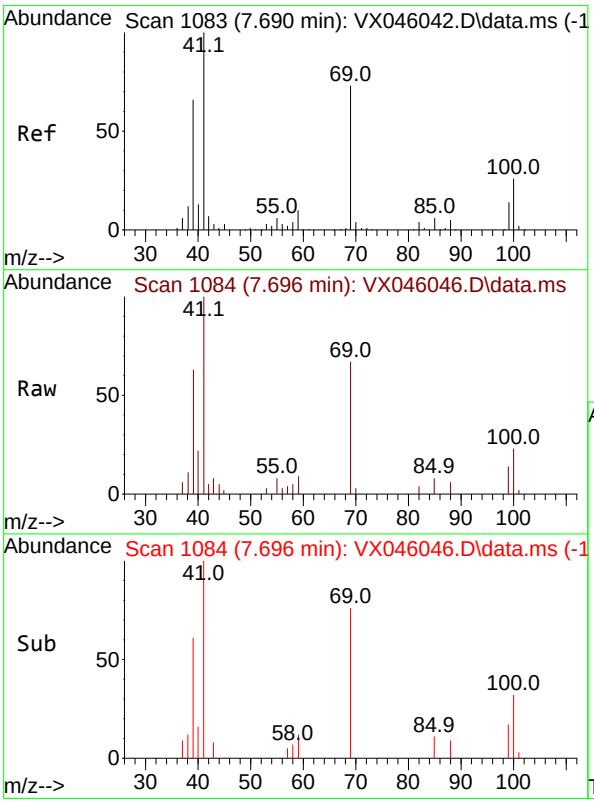
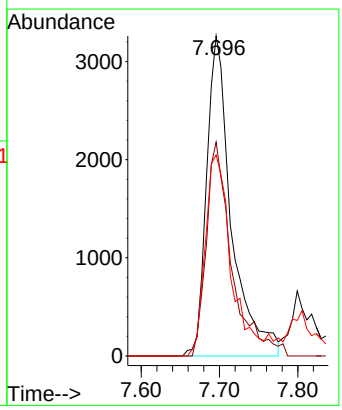
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

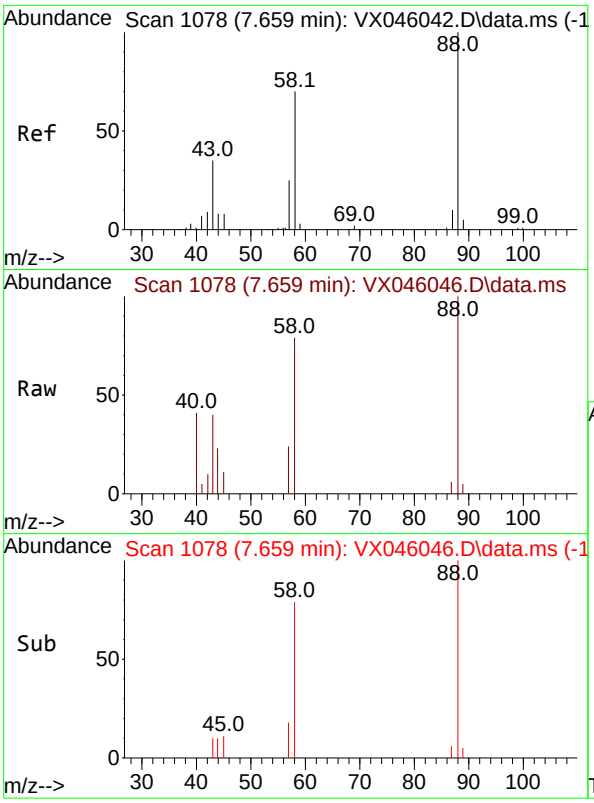


#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 7171

Ion	Ratio	Lower	Upper
41	100		
69	68.4	58.5	87.7
39	65.1	51.7	77.5

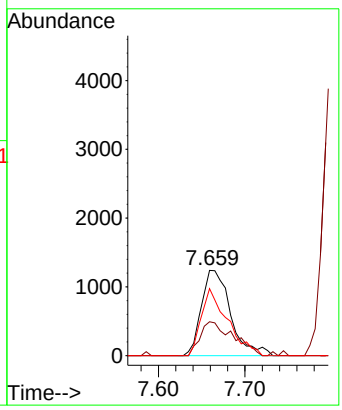




#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 88 Resp: 290

Ion	Ratio	Lower	Upper
88	100		
43	45.3	33.4	50.2
58	71.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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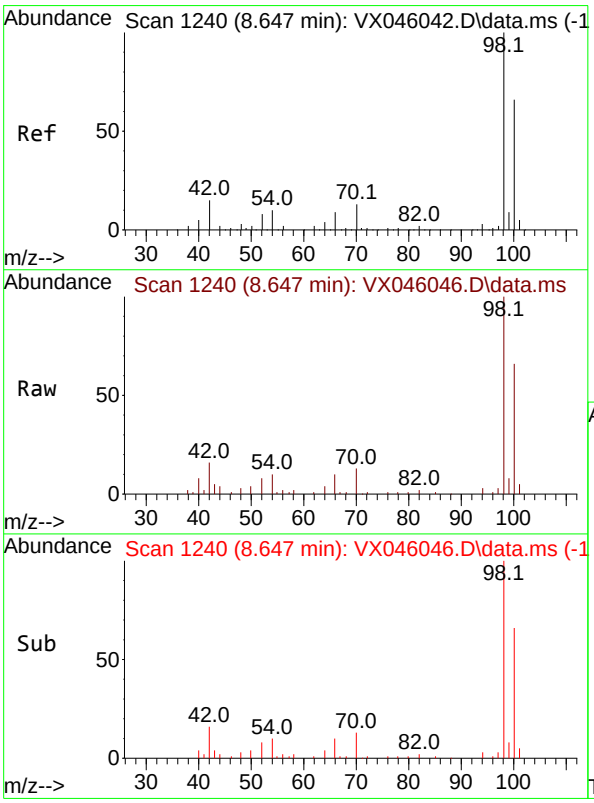
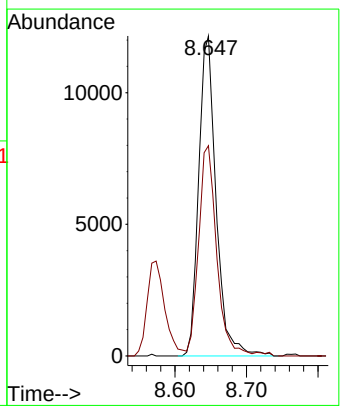
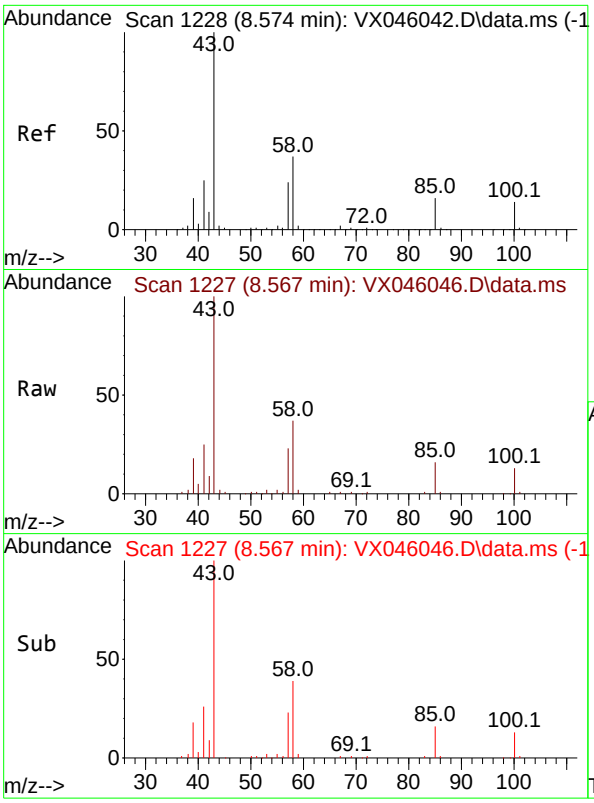


#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 98 Resp: 20566

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 4679

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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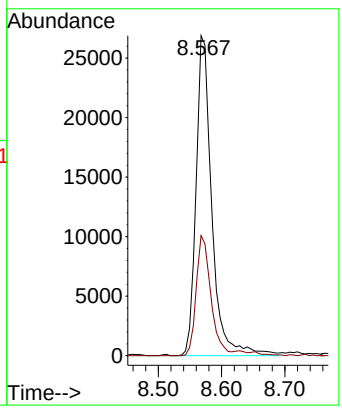
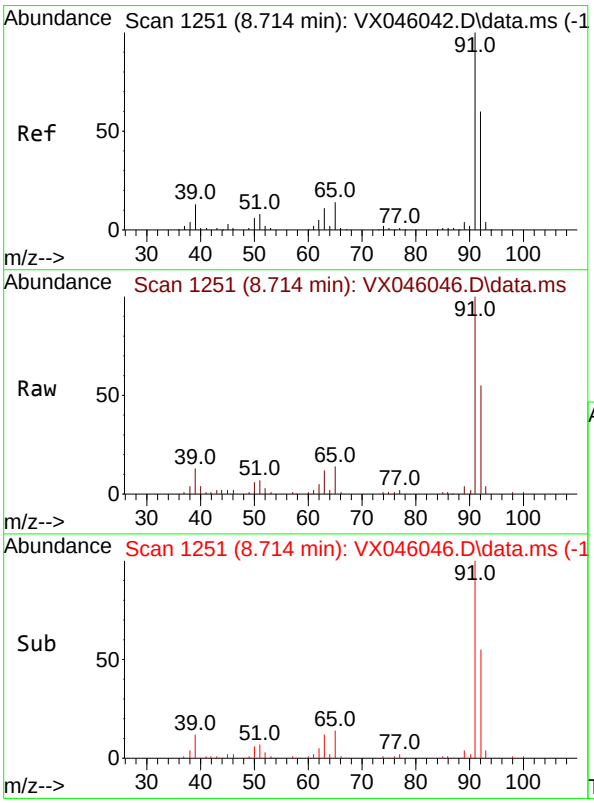
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

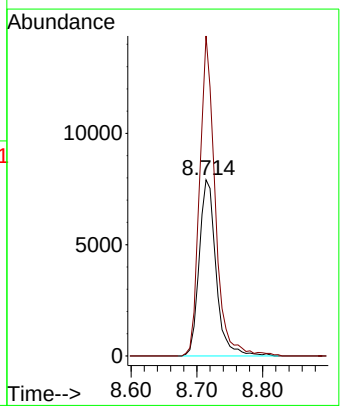


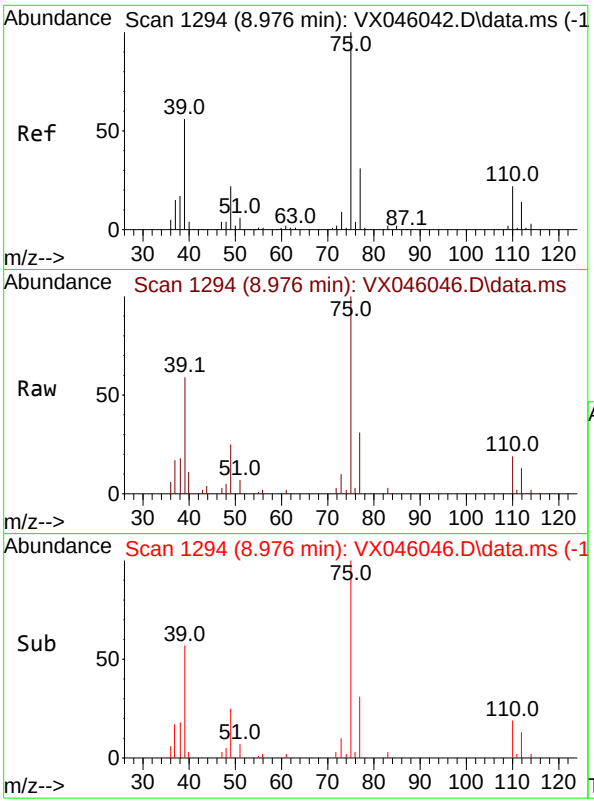


#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.6	205.0

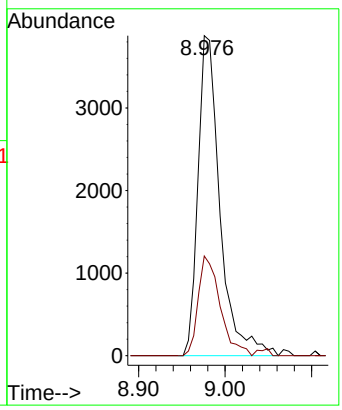




#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 683

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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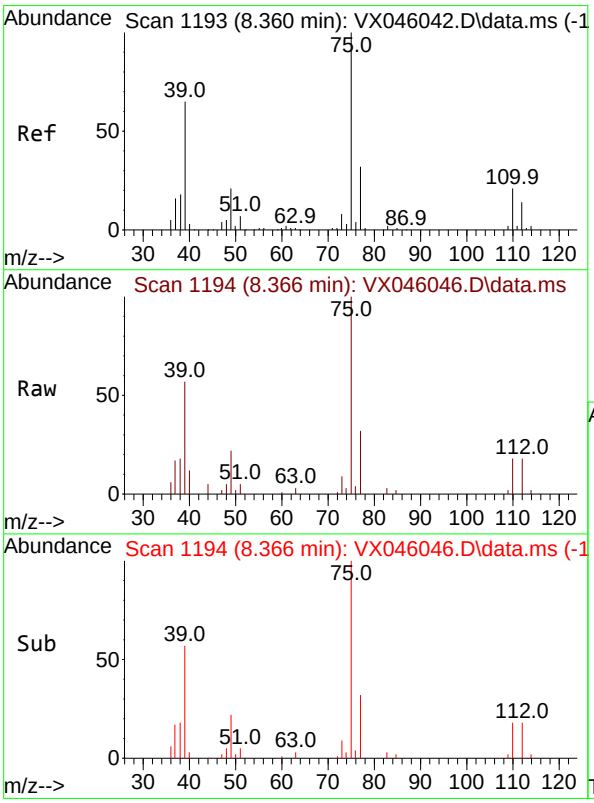
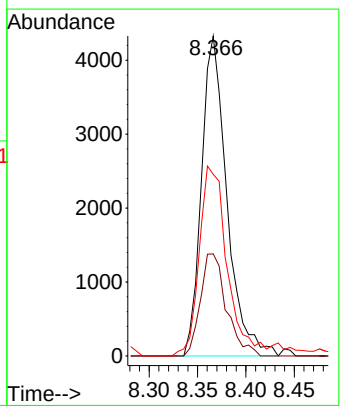
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

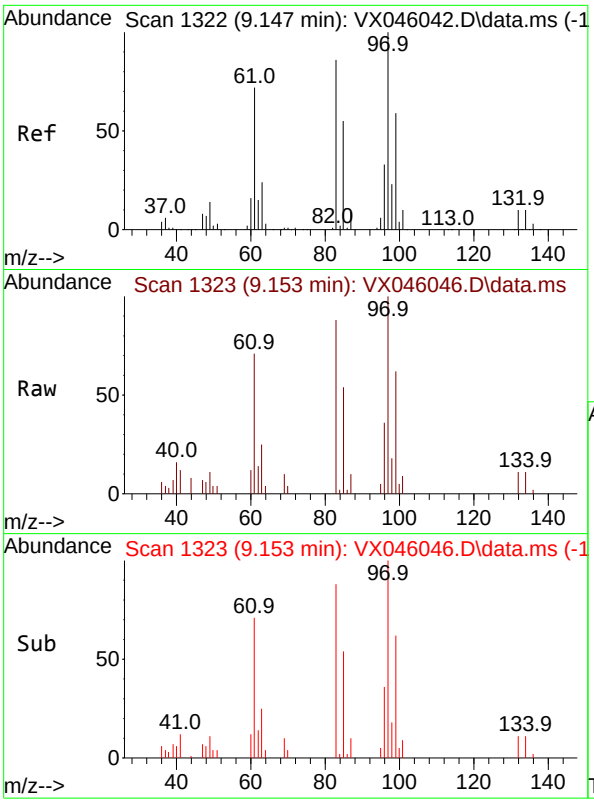


#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7908

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	55.3	52.2	78.4

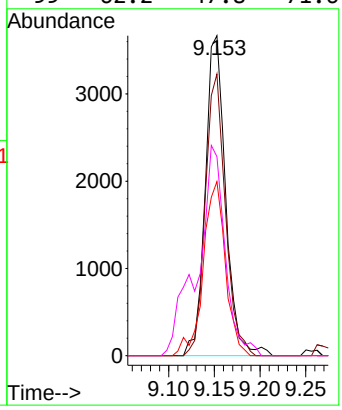




#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 568

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	54.4	44.3	66.5
99	62.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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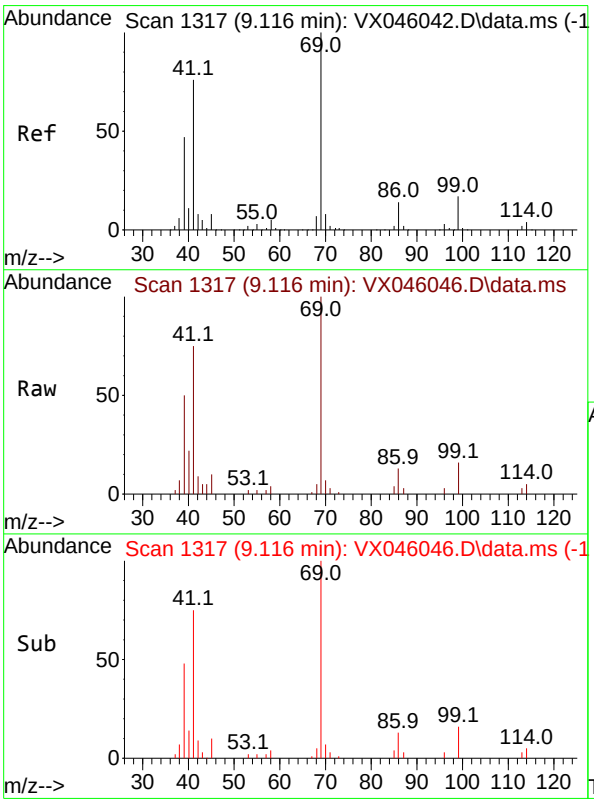
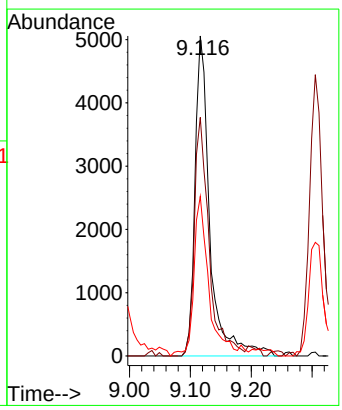
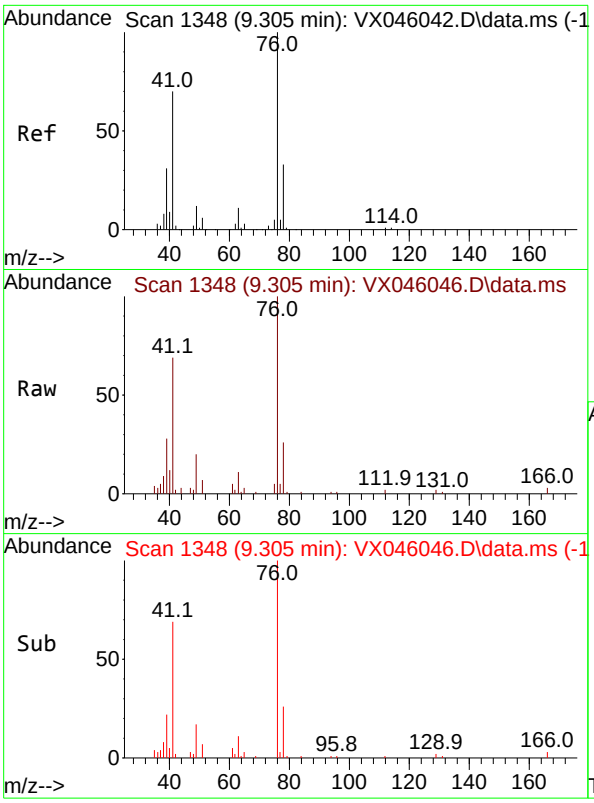


#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 69 Resp: 8555

Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.8	91.2
39	49.3	39.0	58.6





#57
1,3-Dichloropropane
Concen: 3.508 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 1012

Ion	Ratio	Lower	Upper
76	100		
78	29.5	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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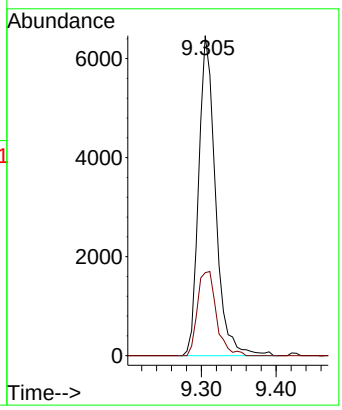
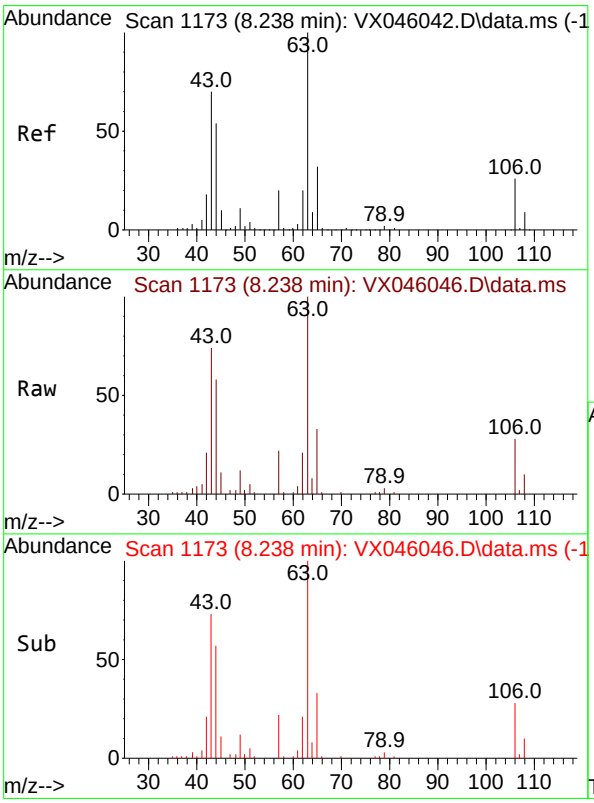
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

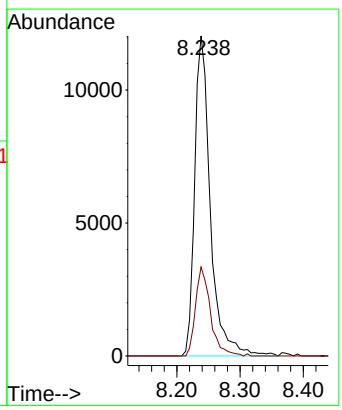


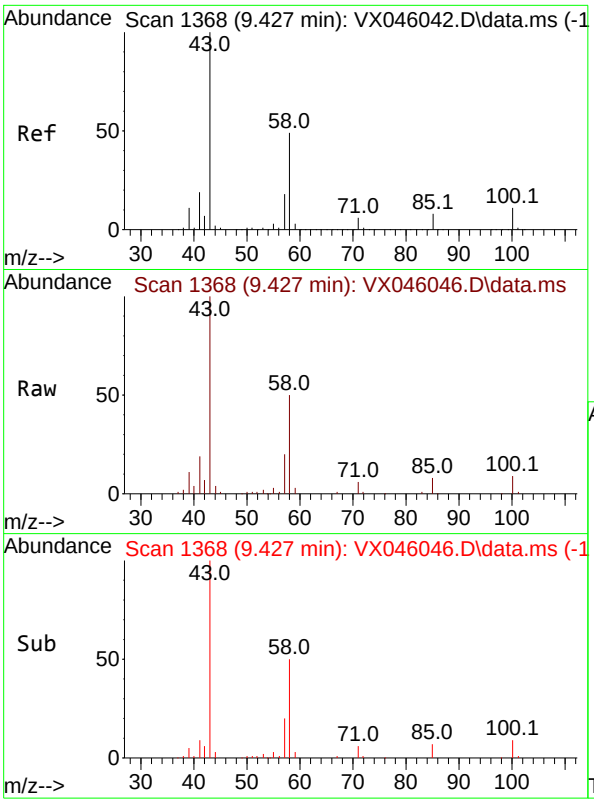


#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 20809

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 16.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 3485

Ion	Ratio	Lower	Upper
43	100		
58	47.5	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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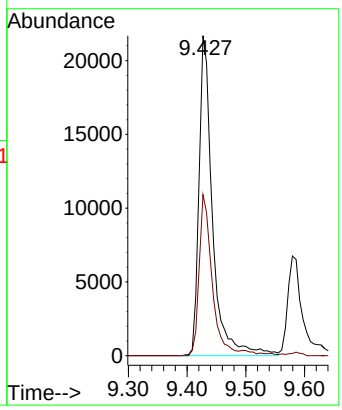
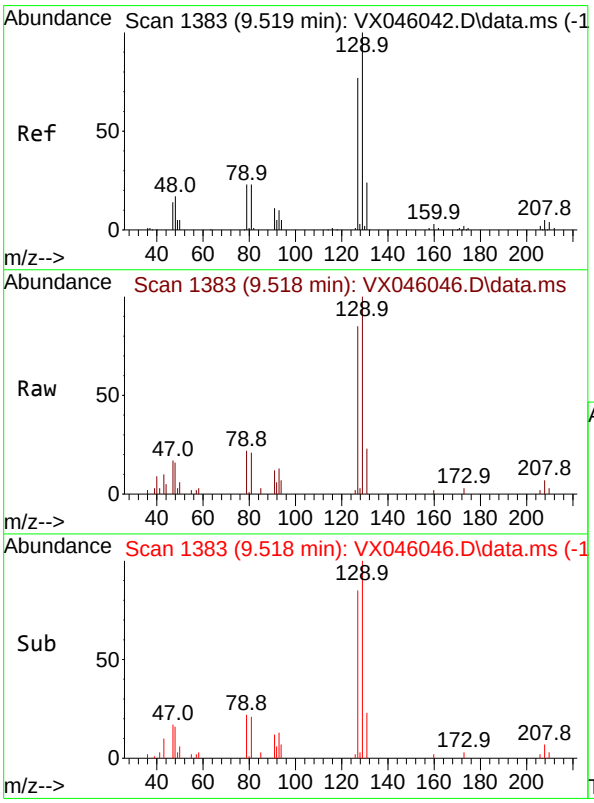
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

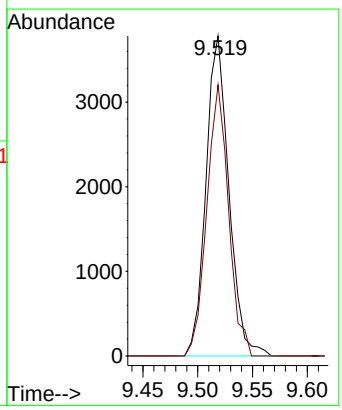


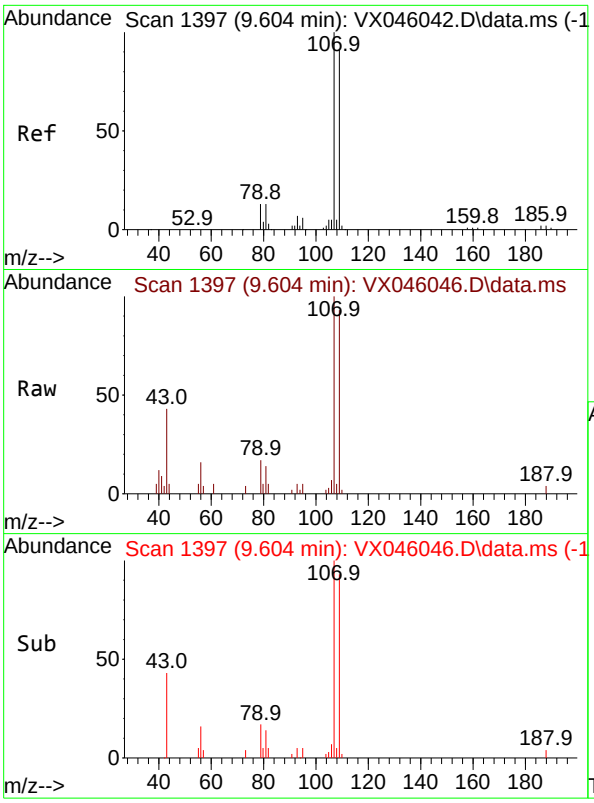


#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.3	117.8

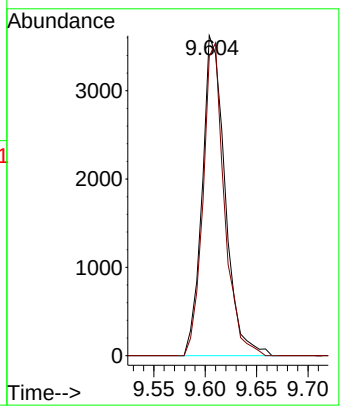




#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:107 Resp: 561

Ion	Ratio	Lower	Upper
107	100		
109	91.0	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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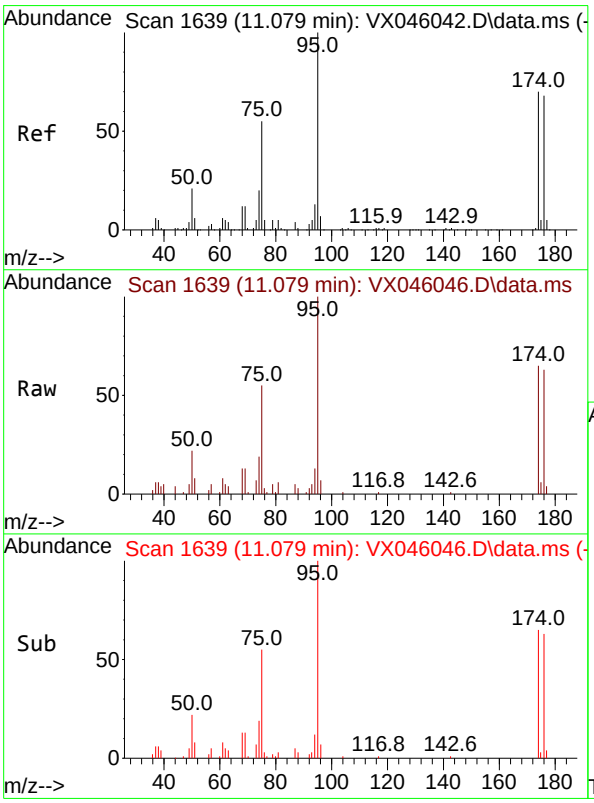
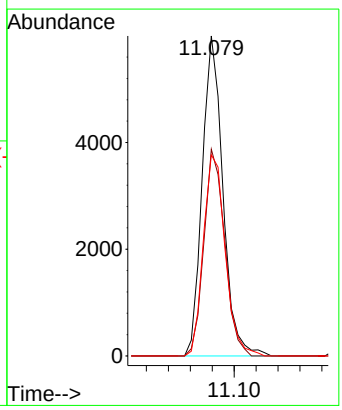
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

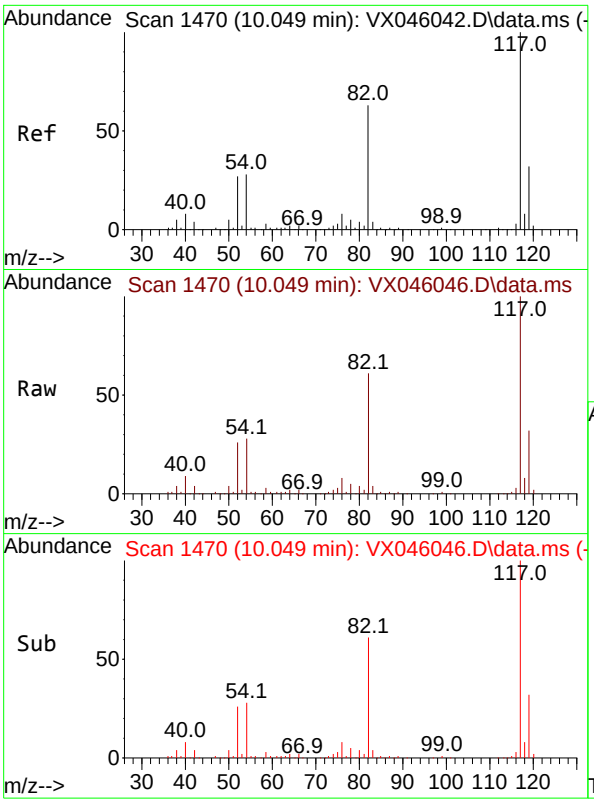


#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 95 Resp: 7822

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.8
176	66.6	0.0	131.4

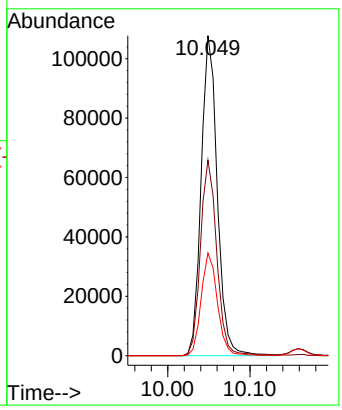




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 14716

Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.6	76.0
119	32.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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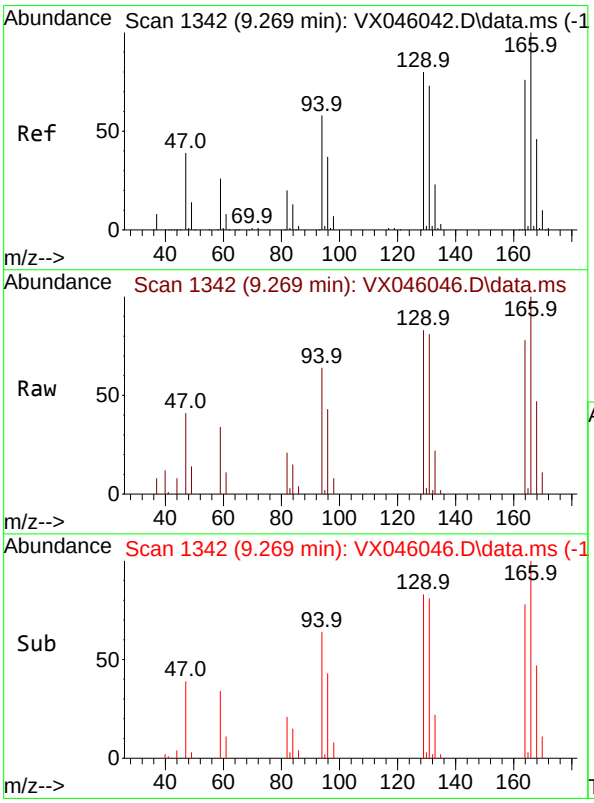
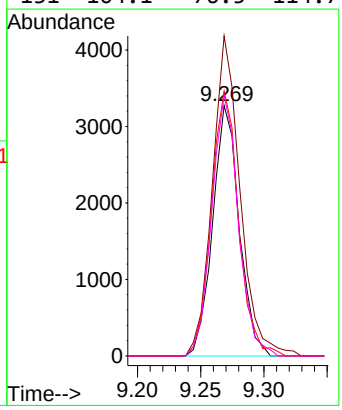
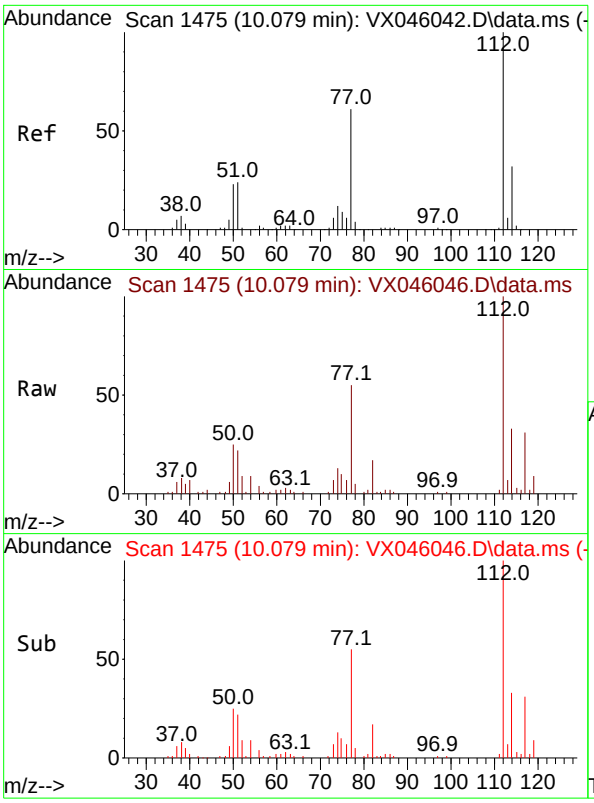


#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:164 Resp: 4752

Ion	Ratio	Lower	Upper
164	100		
166	127.8	105.0	157.6
129	105.8	83.5	125.3
131	104.1	76.5	114.7

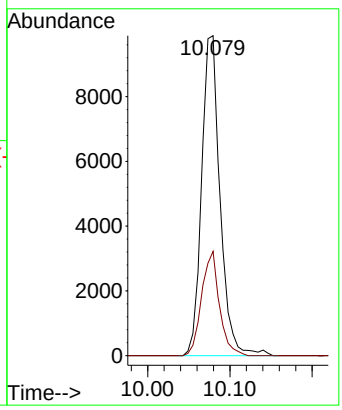




#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:112 Resp: 1539

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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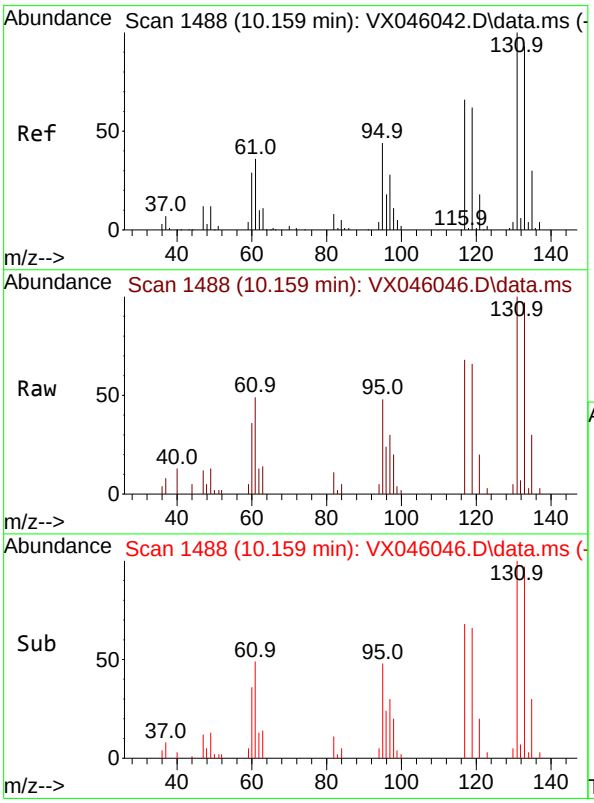
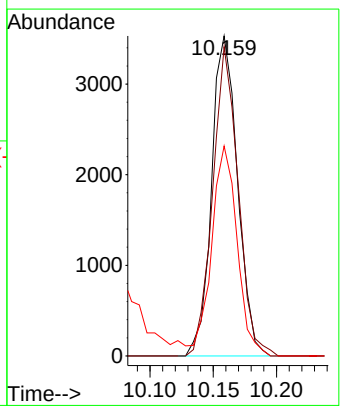
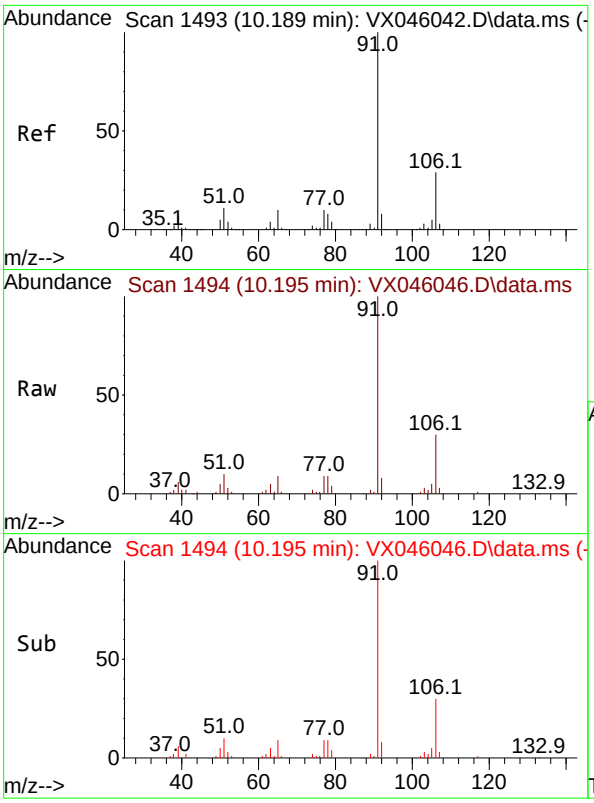


#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:131 Resp: 5024

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.9
119	64.8	31.6	95.0





#67
Ethyl Benzene
Concen: 3.463 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

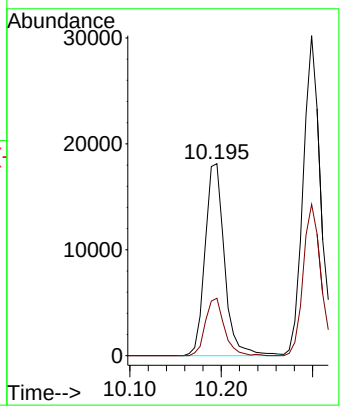
Tgt Ion: 91 Resp: 2673

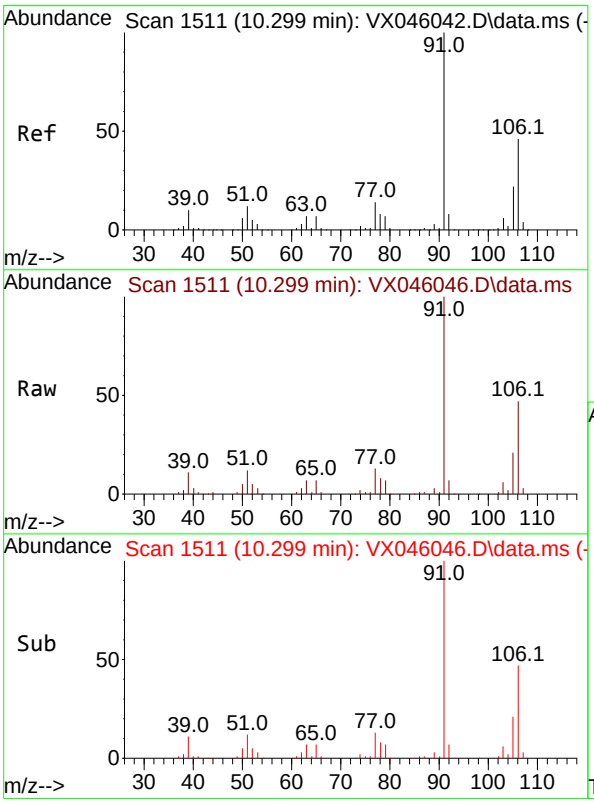
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

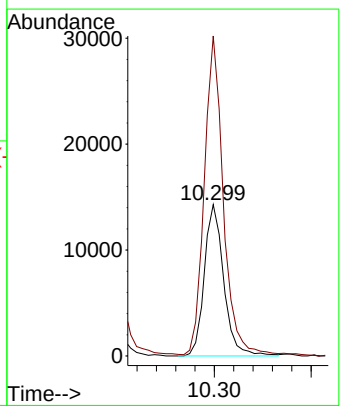


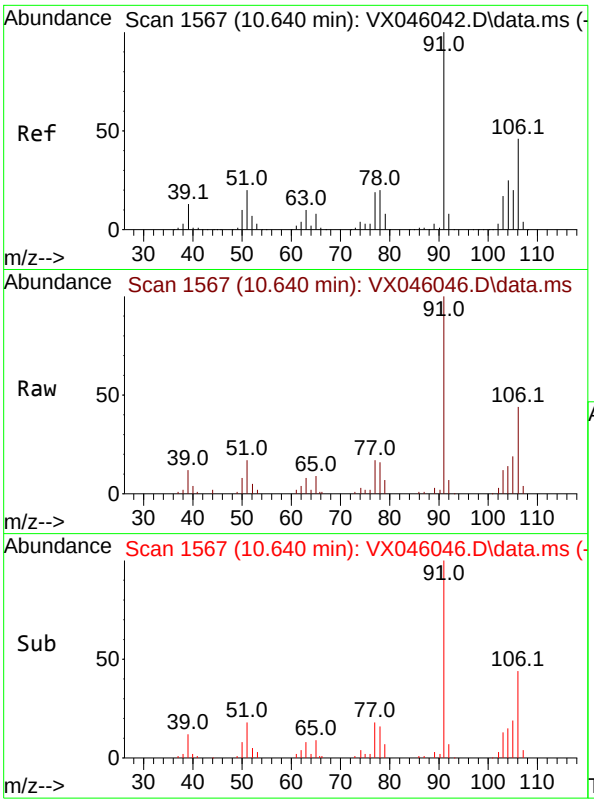


#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

Ion	Ratio	Lower	Upper
106	100		
91	210.1	171.2	256.8

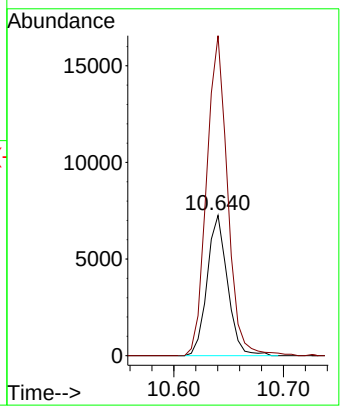




#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 939

Ion	Ratio	Lower	Upper
106	100		
91	233.6	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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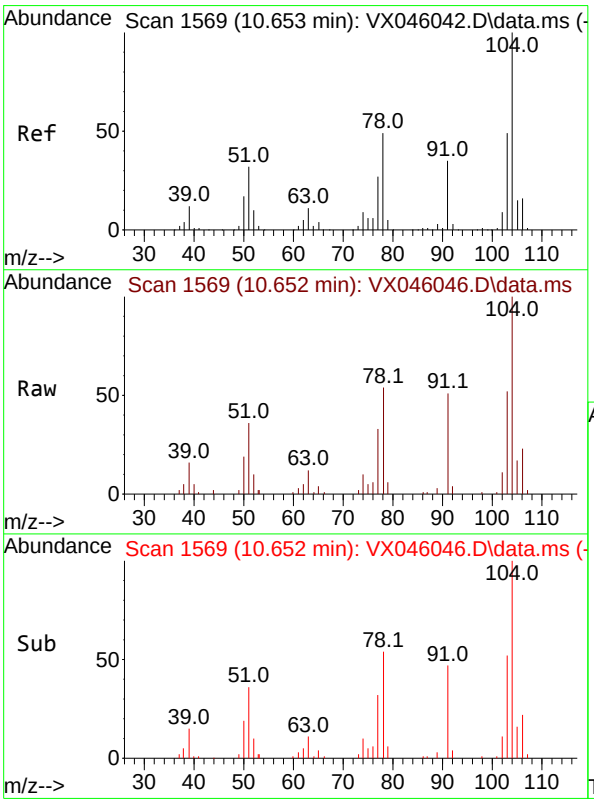
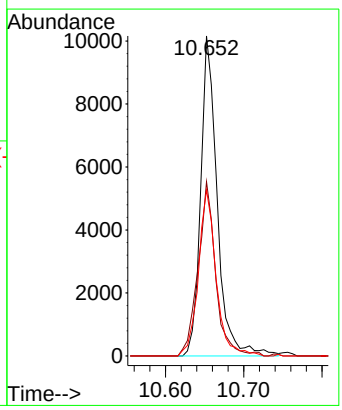
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

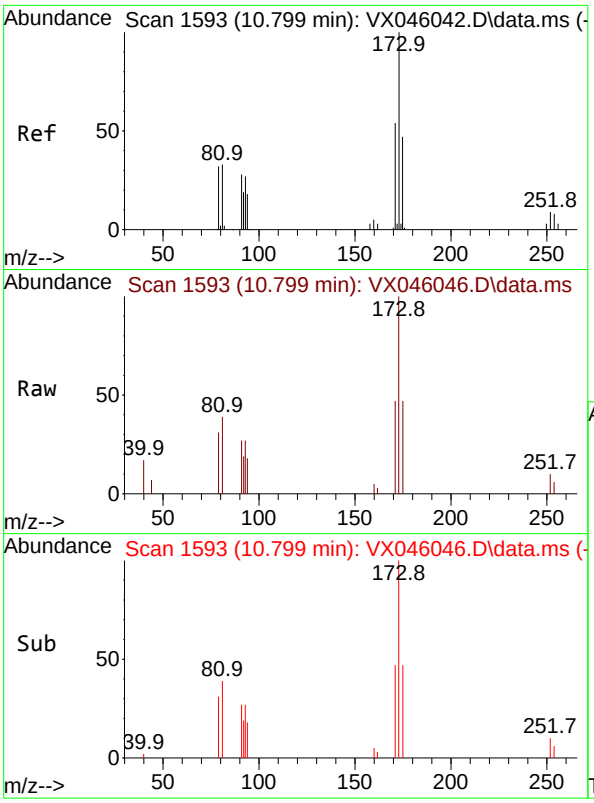


#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:104 Resp: 14900

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.7	68.5
103	55.6	43.7	65.5

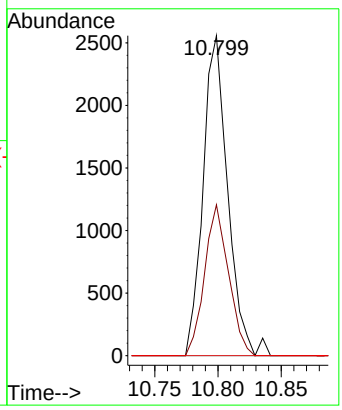




#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:173 Resp: 347

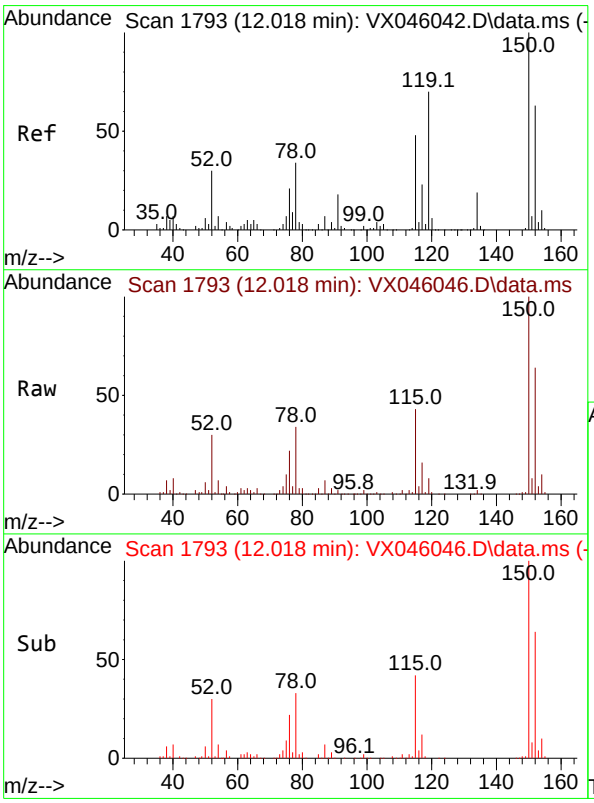
Ion	Ratio	Lower	Upper
173	100		
175	45.8	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

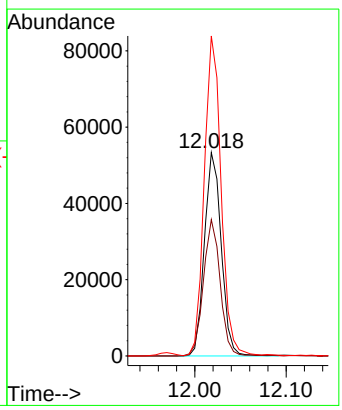
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

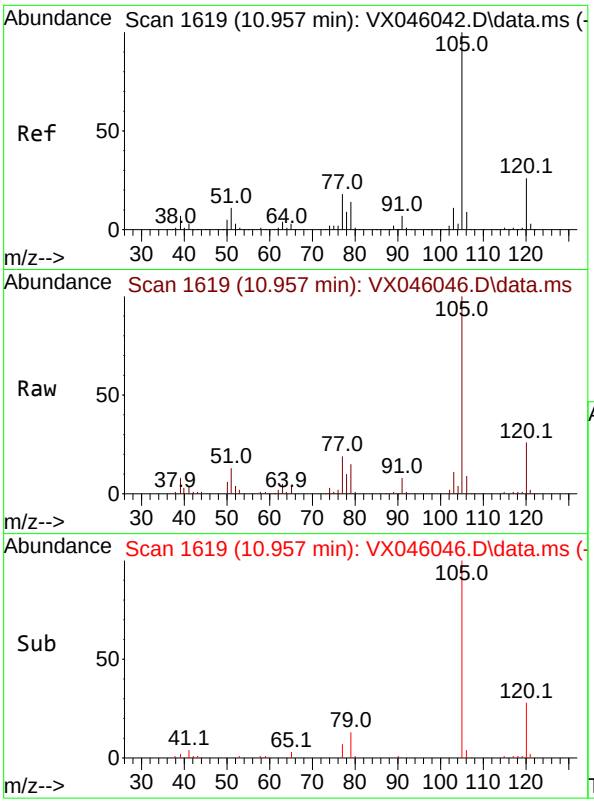


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:152 Resp: 67939

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	157.5	0.0	351.0





#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

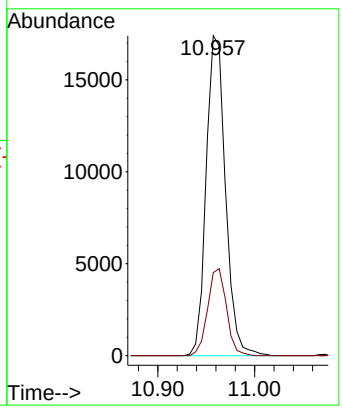
Tgt Ion:105 Resp: 2420

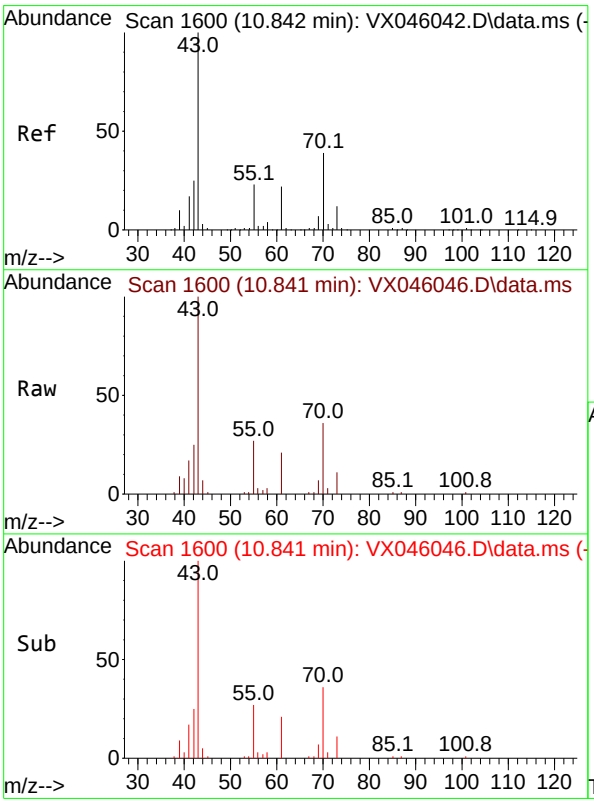
Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

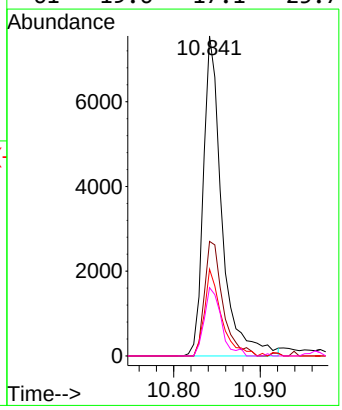


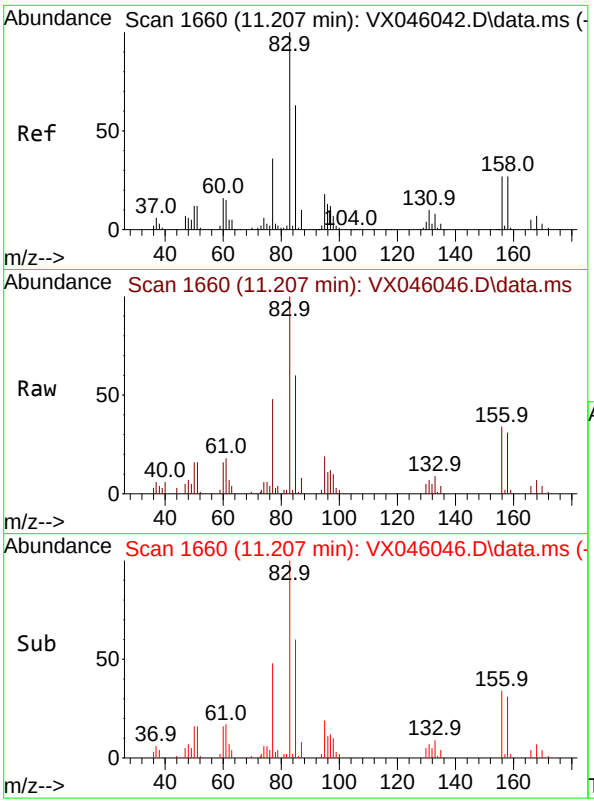


#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 11224

Ion	Ratio	Lower	Upper
43	100		
70	35.4	30.9	46.3
55	25.0	18.7	28.1
61	19.6	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

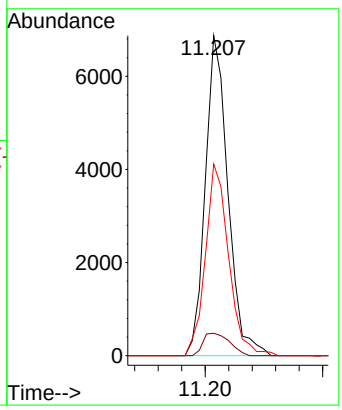
Tgt Ion: 83 Resp: 917

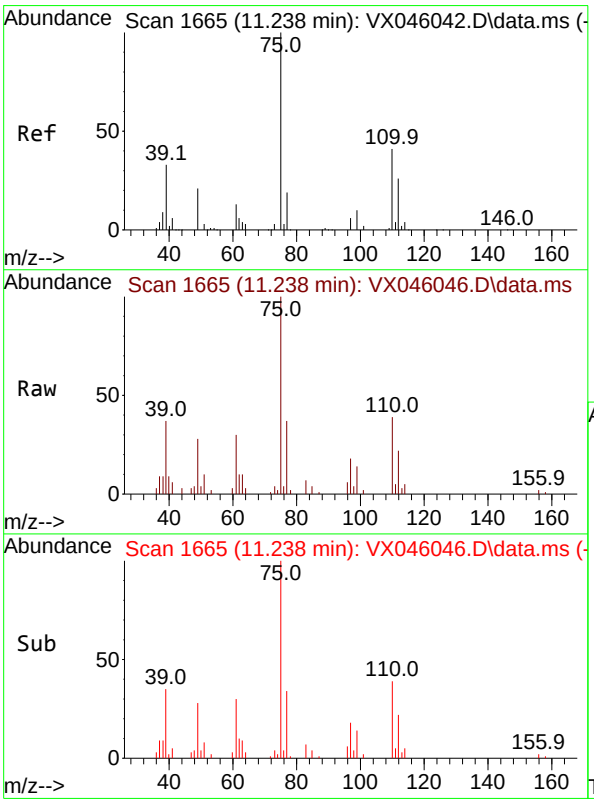
Ion	Ratio	Lower	Upper
83	100		
131	8.3	5.0	14.9
85	61.7	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

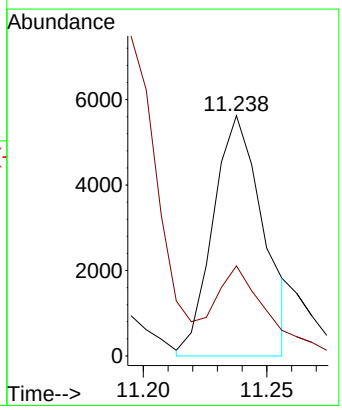


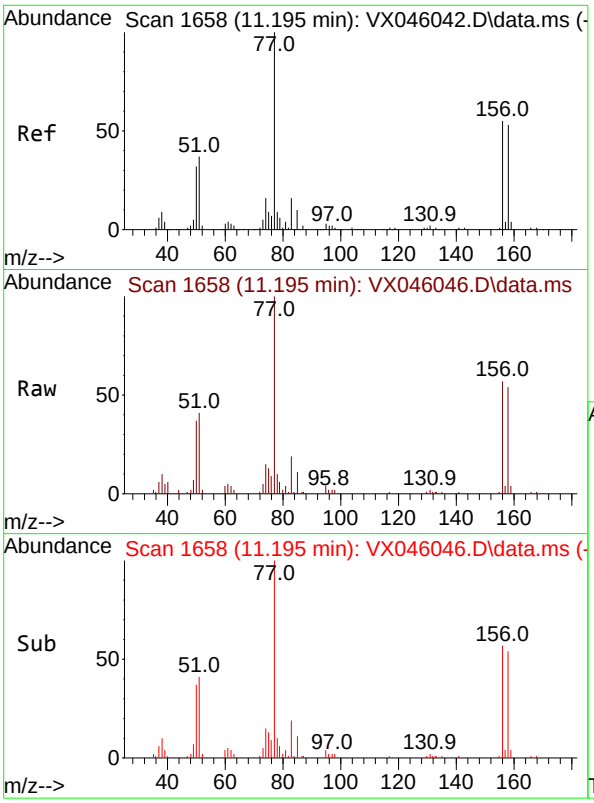


#76
1,2,3-Trichloropropane
Concen: 2.799 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7928

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.5	61.5





#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:156 Resp: 585

Ion	Ratio	Lower	Upper
156	100		
77	177.0	92.8	278.3
158	97.7	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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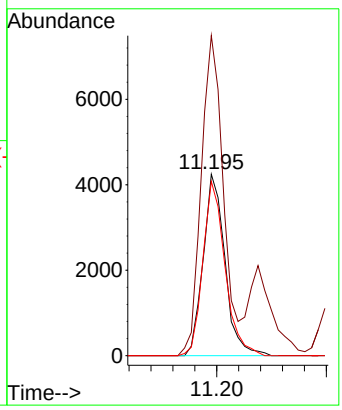
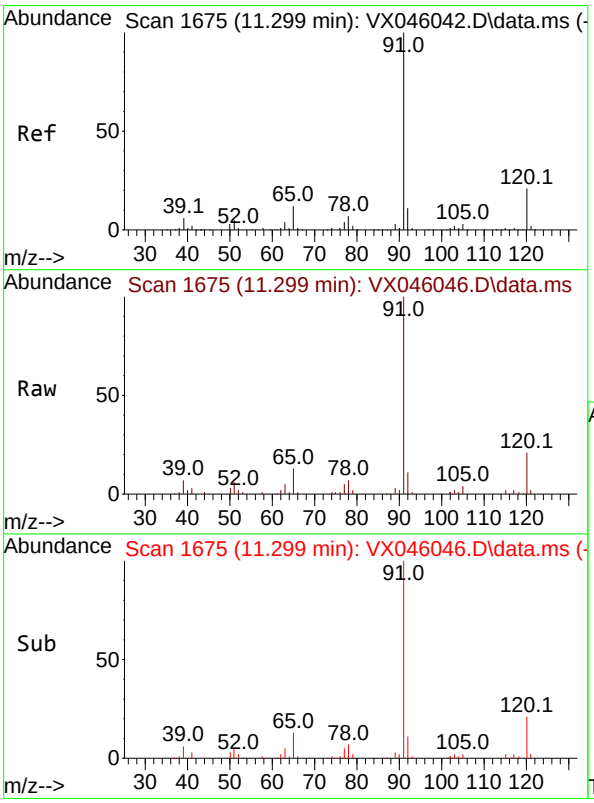
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

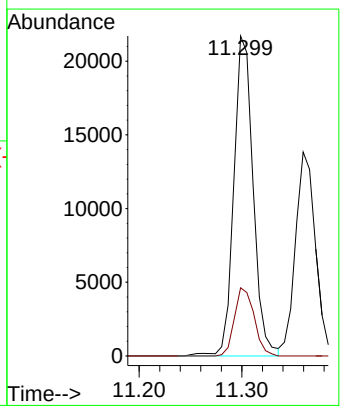


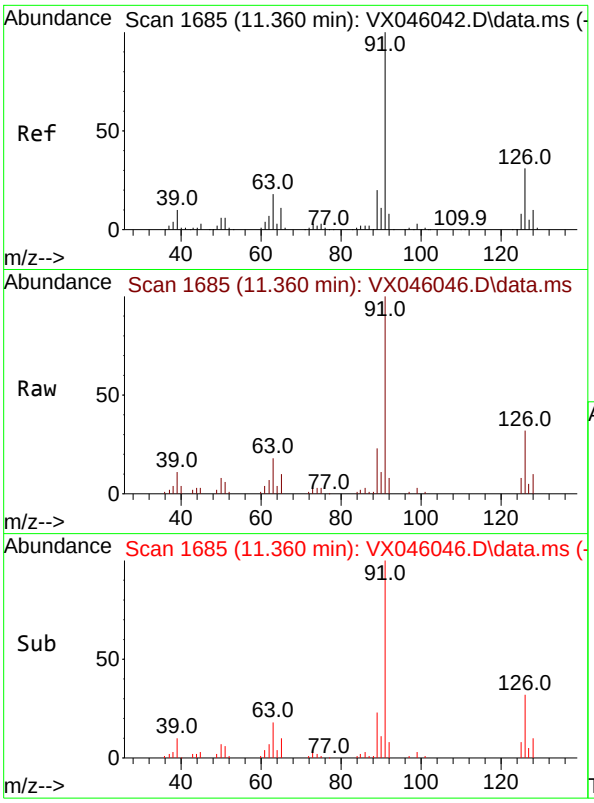


#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

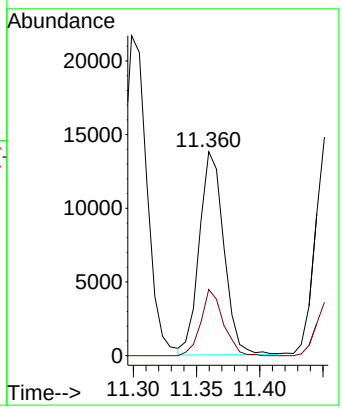
Tgt Ion: 91 Resp: 1867

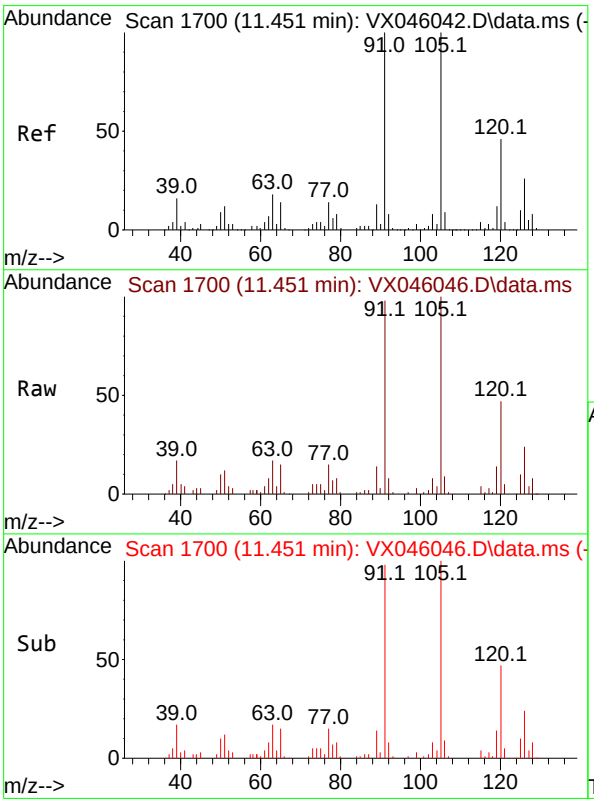
Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

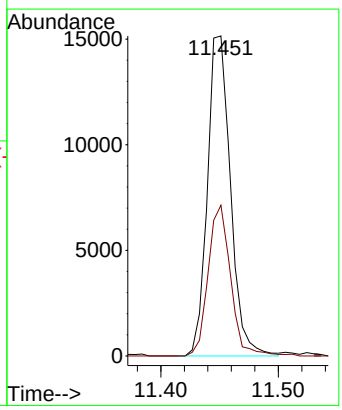


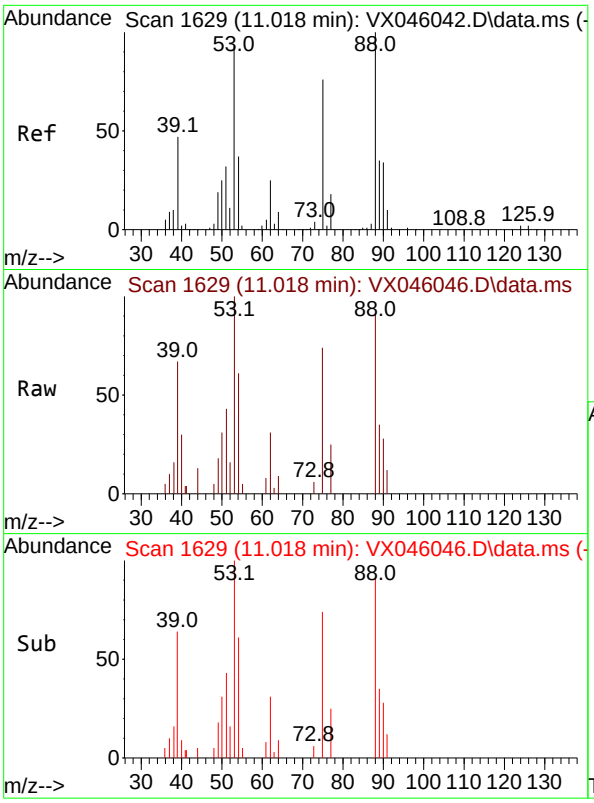


#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20742

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

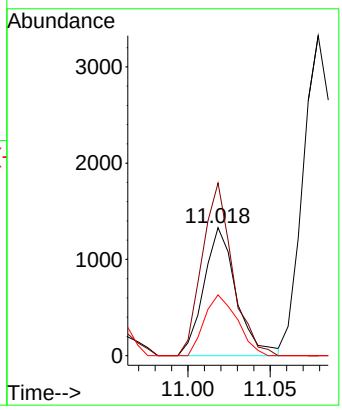
Tgt Ion: 75 Resp: 182

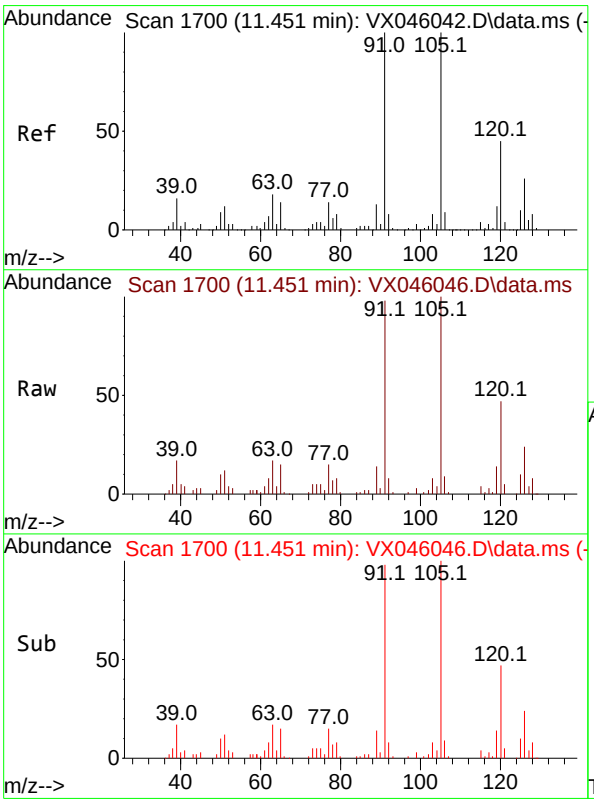
Ion	Ratio	Lower	Upper
75	100		
53	125.8	100.5	150.7
89	47.9	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

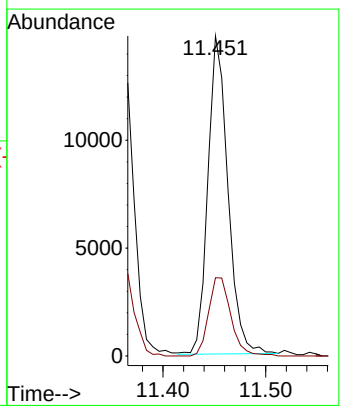


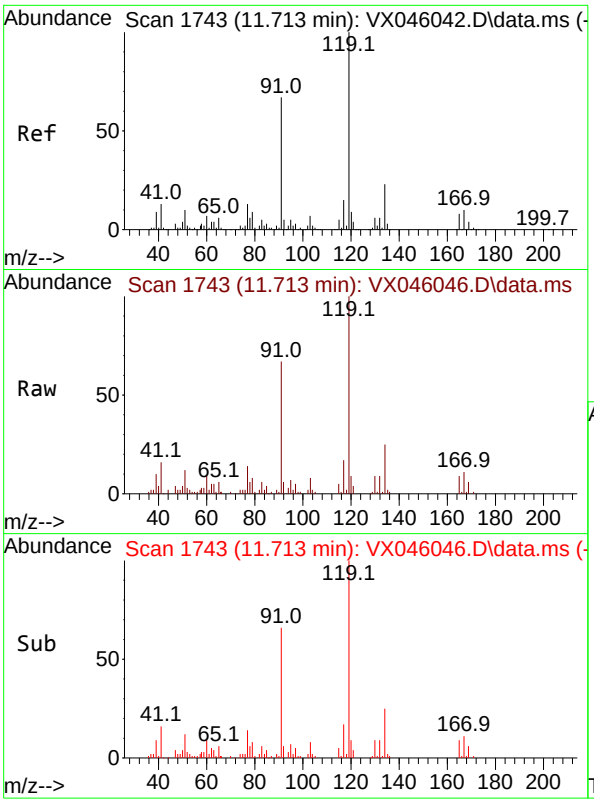


#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966

Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.3	39.8





#83
tert-Butylbenzene
Concen: 3.484 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 2104

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.9	98.7
134	23.8	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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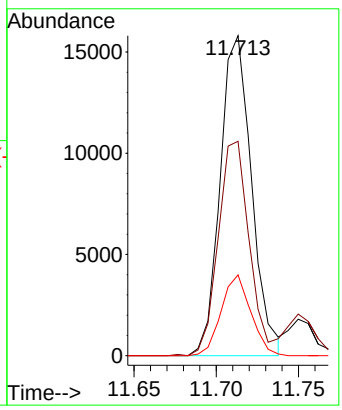
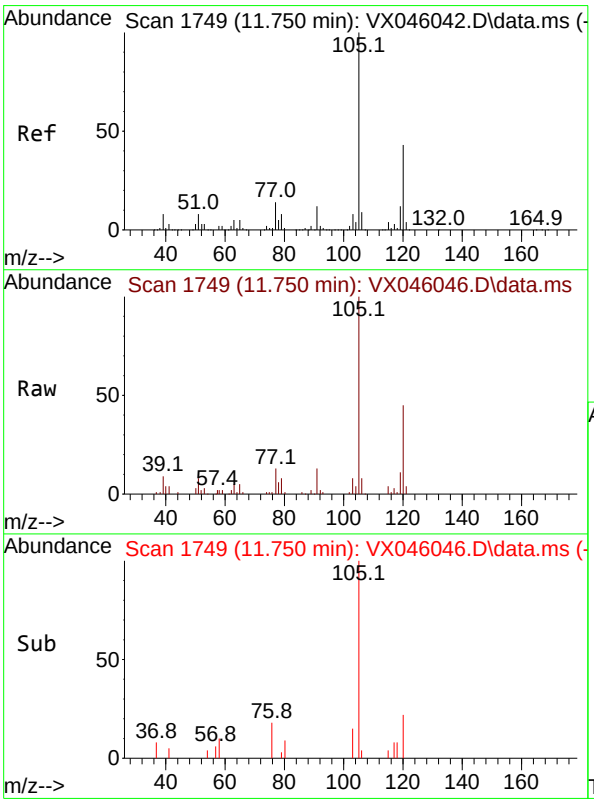
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

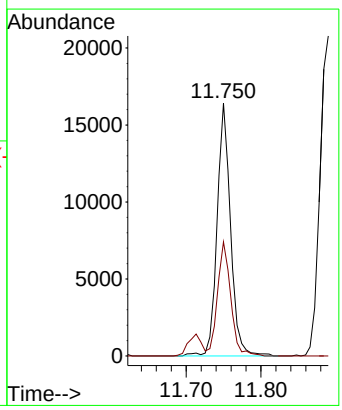


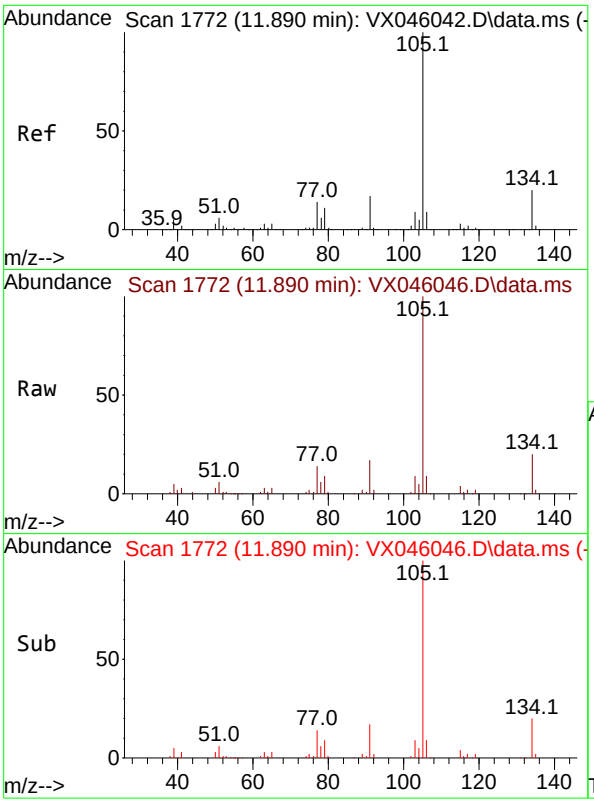


#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20613

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.2	63.6





#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

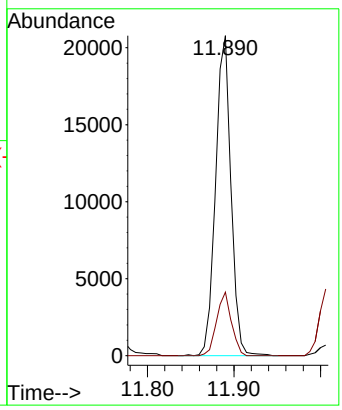
Tgt Ion:105 Resp: 2559

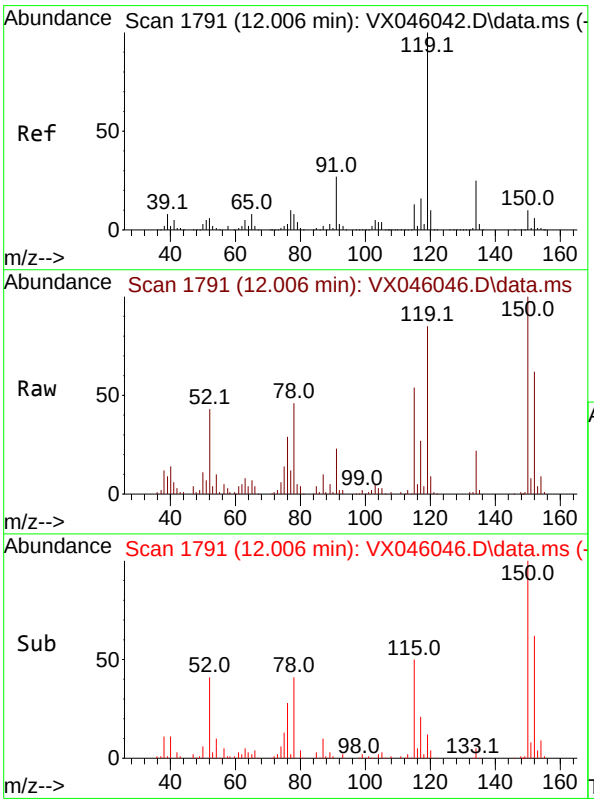
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

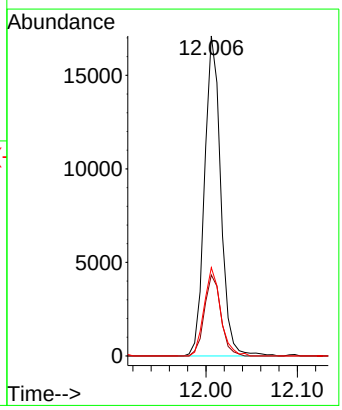


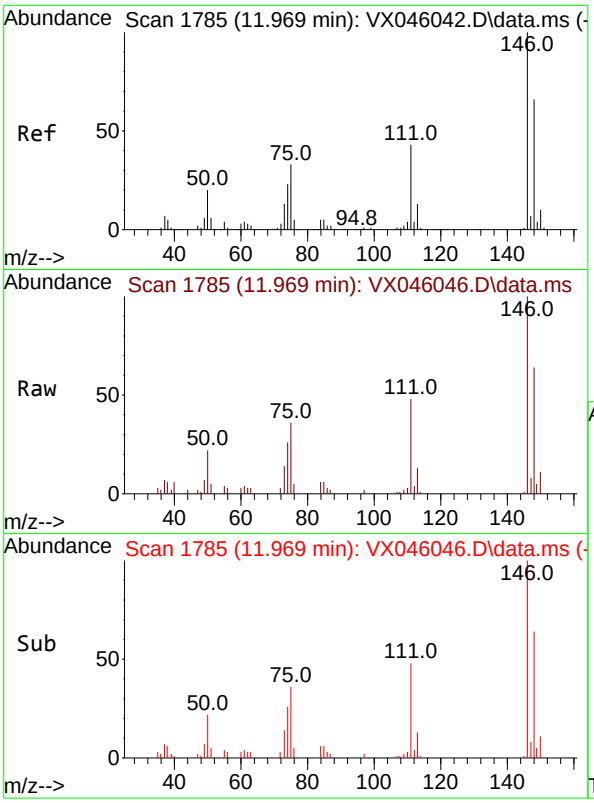


#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 20955

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	28.0	13.8	41.4

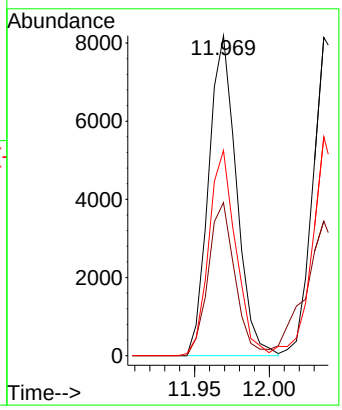




#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1058

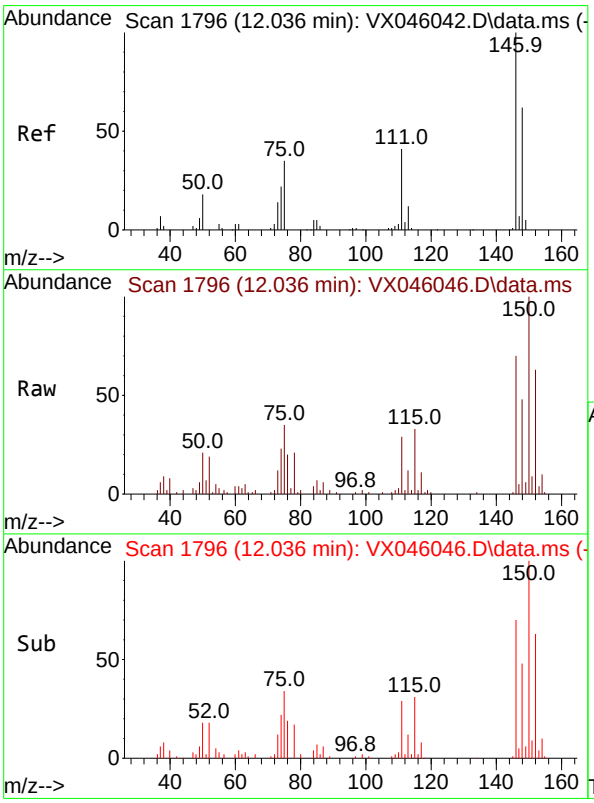
Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.1	66.3
148	62.4	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

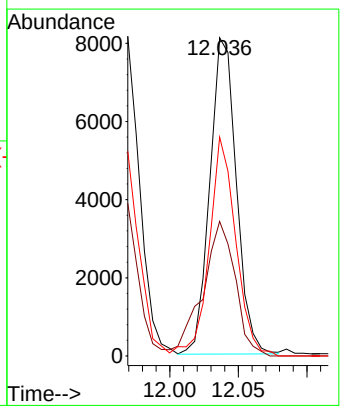
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

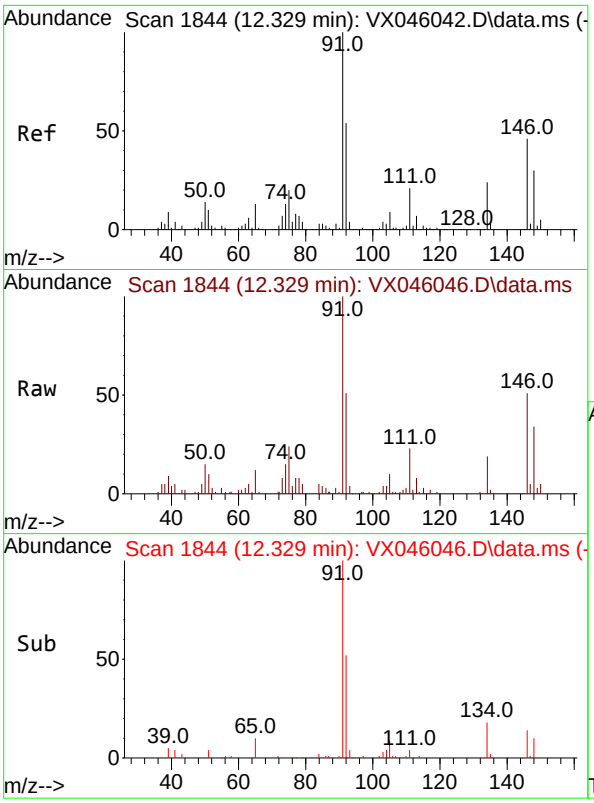


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 10908

Ion	Ratio	Lower	Upper
146	100		
111	52.1	21.3	63.9
148	69.4	31.9	95.5

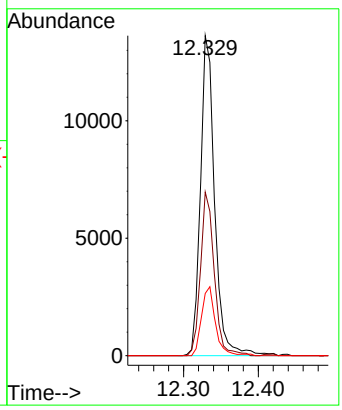




#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1800

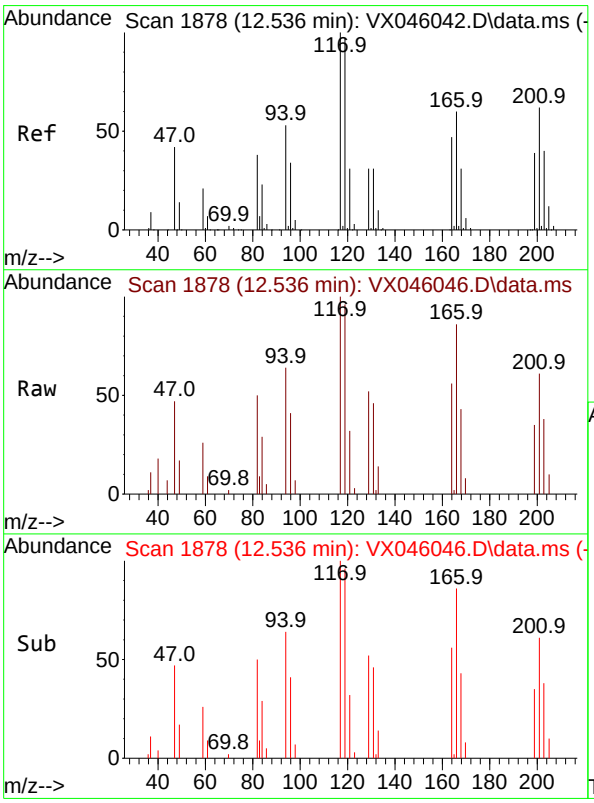
Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.9	80.7
134	21.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

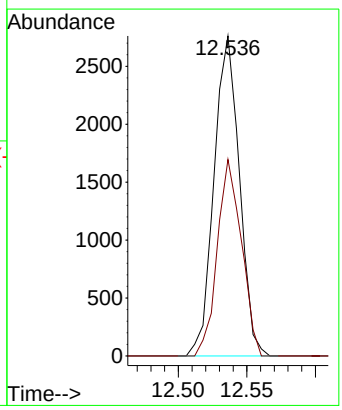
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

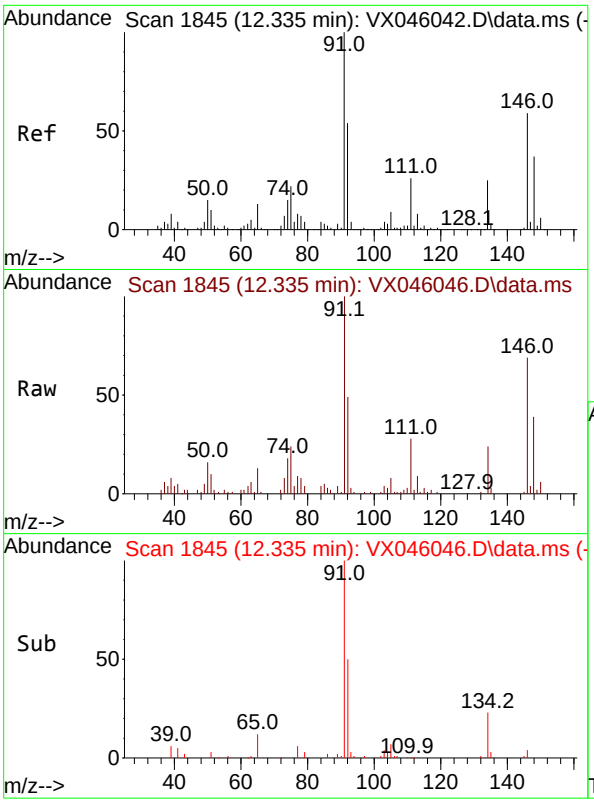


#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

Ion	Ratio	Lower	Upper
117	100		
201	58.5	31.6	94.7

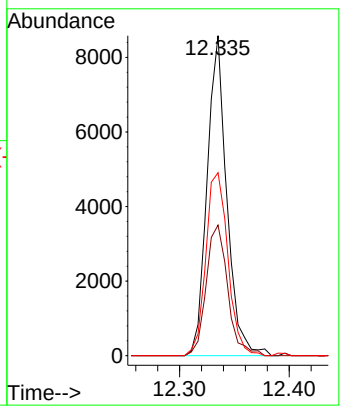




#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1071

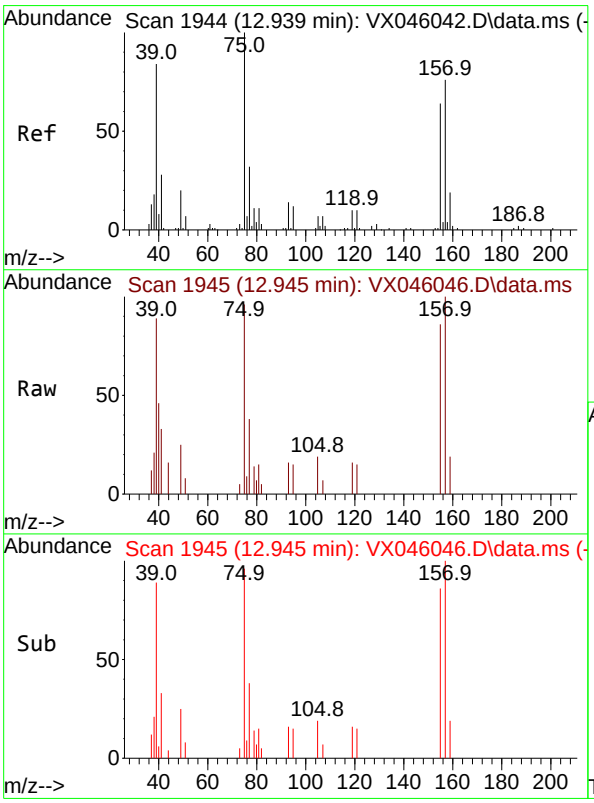
Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

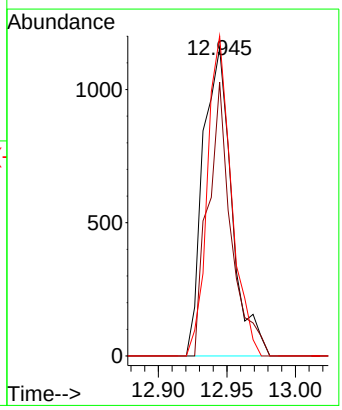
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

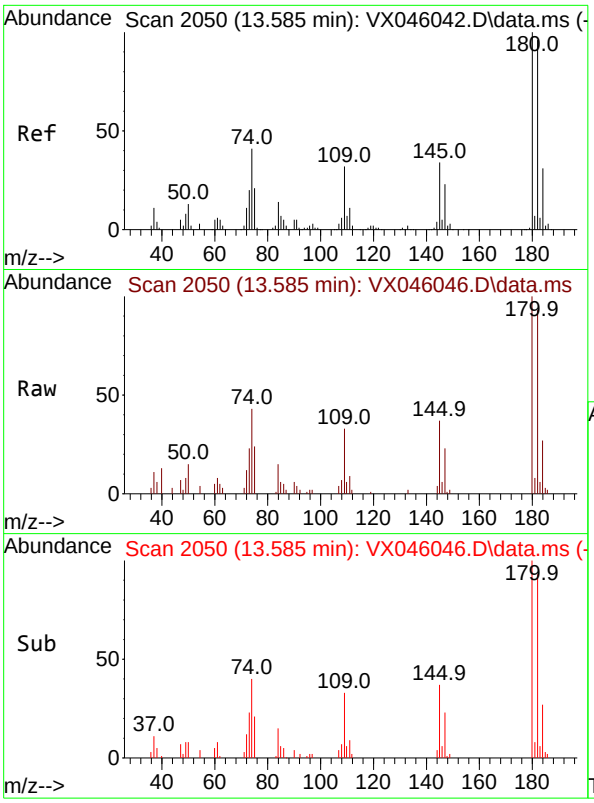


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 1687

Ion	Ratio	Lower	Upper
75	100		
155	71.7	34.9	104.8
157	87.0	43.8	131.4

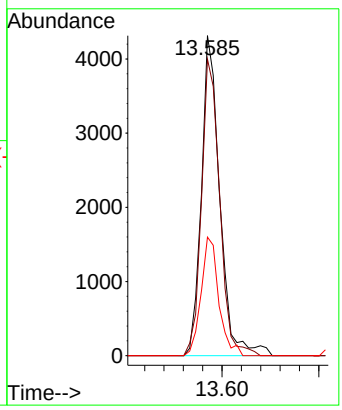




#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 572

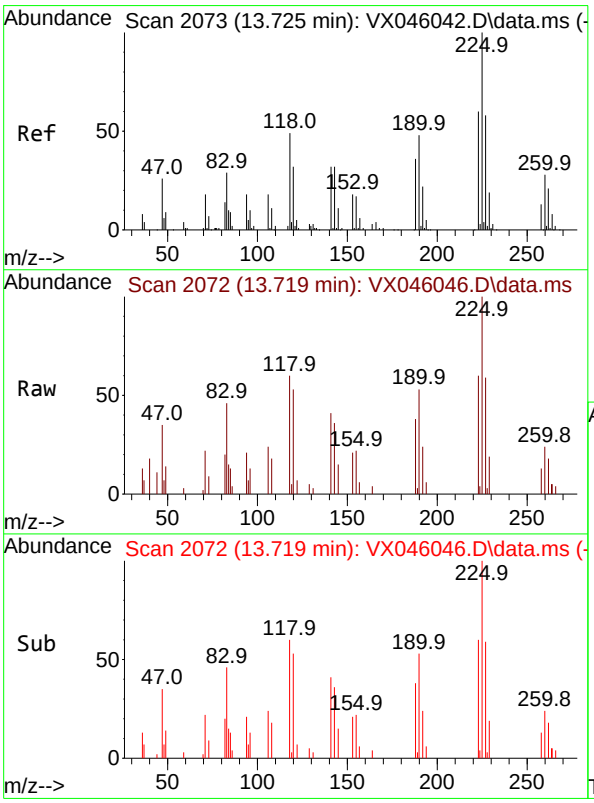
Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.9	143.8
145	35.7	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

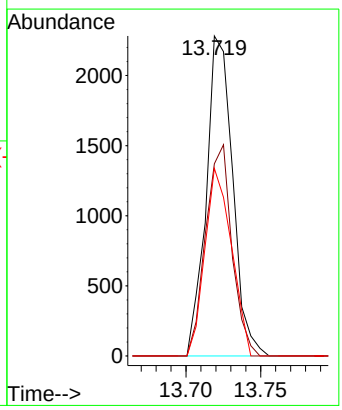
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

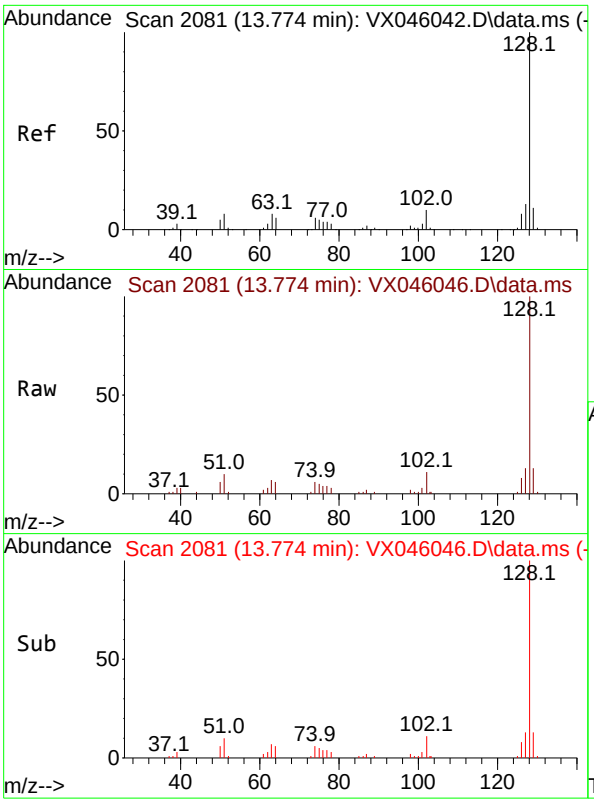


#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:225 Resp: 2816

Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.8	92.4
227	58.8	30.9	92.7

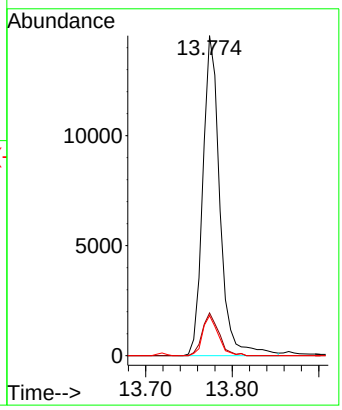




#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:128 Resp: 1990

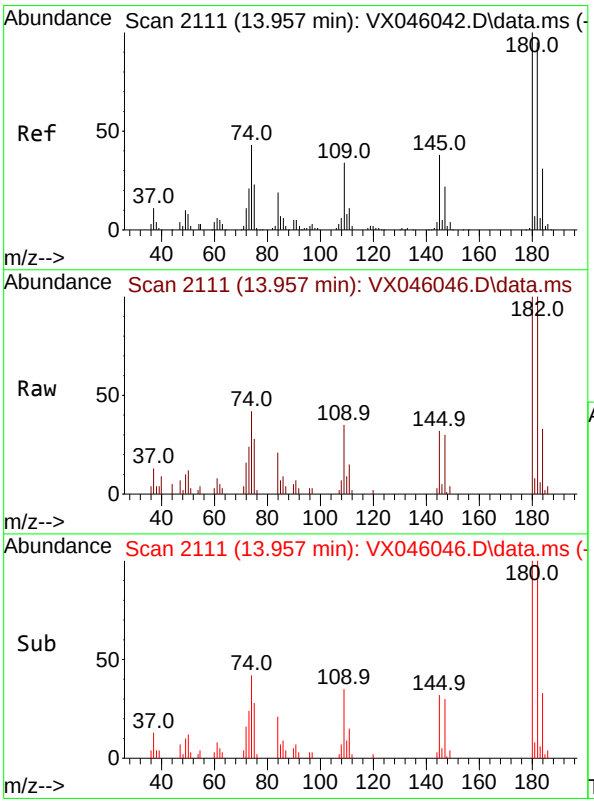
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

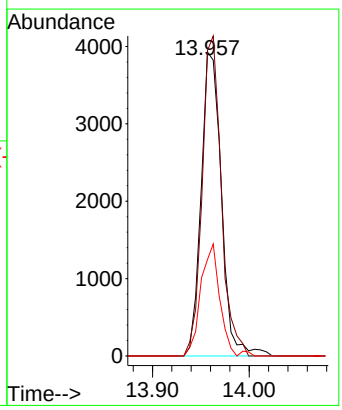
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 5745

Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.8	143.3
145	34.8	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	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	1211	0.596	ug/l		98
3) Chloromethane	1.307	50	1278	0.639	ug/l		97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l	#	82
6) Chloroethane	1.678	64	859	0.951	ug/l		91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l		95
8) Diethyl Ether	2.130	74	742	0.845	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l		96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l	#	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l		89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l		98
16) Acetone	2.380	43	3500	3.736	ug/l		97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l		98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l		96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l	#	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l	#	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l	#	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l		96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l		97
25) 2-Butanone	4.593	43	4558	3.371	ug/l		92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l		84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l		91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l		
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l		99
30) Chloroform	5.093	83	2328	0.695	ug/l		98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l	#	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l	#	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l		
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l	#	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l		97
40) Benzene	6.044	78	4502	0.668	ug/l	#	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l	#	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l		81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l	#	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l		85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l		89

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l		97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l	#	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l		
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l	#	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l		97
52) Toluene	8.720	92	2684	0.672	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576	ug/l	#	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637	ug/l		92
56) Ethyl methacrylate	9.128	69	1260	0.504	ug/l	#	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420	ug/l		94
59) 2-Hexanone	9.439	43	6424	3.096	ug/l		88
60) Dibromochloromethane	9.525	129	1023	0.582	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1077	0.650	ug/l		98
64) Tetrachloroethene	9.275	164	972	0.679	ug/l		95
65) Chlorobenzene	10.079	112	3170	0.735	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720	ug/l	#	67
67) Ethyl Benzene	10.195	91	5052	0.687	ug/l		94
68) m/p-Xylenes	10.299	106	3630	1.367	ug/l		97
69) o-Xylene	10.640	106	1799	0.672	ug/l		94
70) Styrene	10.659	104	2664	0.622	ug/l		98
71) Bromoform	10.799	173	657	0.608	ug/l	#	100
73) Isopropylbenzene	10.963	105	4480	0.695	ug/l		96
74) N-amyl acetate	10.854	43	2028	0.631	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800	ug/l		94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674	ug/l		
77) Bromobenzene	11.201	156	1095	0.734	ug/l		96
78) n-propylbenzene	11.305	91	5052	0.699	ug/l		97
79) 2-Chlorotoluene	11.360	91	3765	0.773	ug/l		94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671	ug/l		96
82) 4-Chlorotoluene	11.457	91	3815	0.713	ug/l		97
83) tert-Butylbenzene	11.713	119	3951	0.751	ug/l		97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697	ug/l		97
85) sec-Butylbenzene	11.890	105	4385	0.672	ug/l		100
86) p-Isopropyltoluene	12.006	119	3577	0.679	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789	ug/l		
89) n-Butylbenzene	12.335	91	2889	0.631	ug/l		92
90) Hexachloroethane	12.536	117	604	0.616	ug/l		99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586	ug/l		83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688	ug/l		94
94) Hexachlorobutadiene	13.725	225	465	0.671	ug/l		89
95) Naphthalene	13.780	128	4138	0.767	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716	ug/l		96

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

ICAL Form

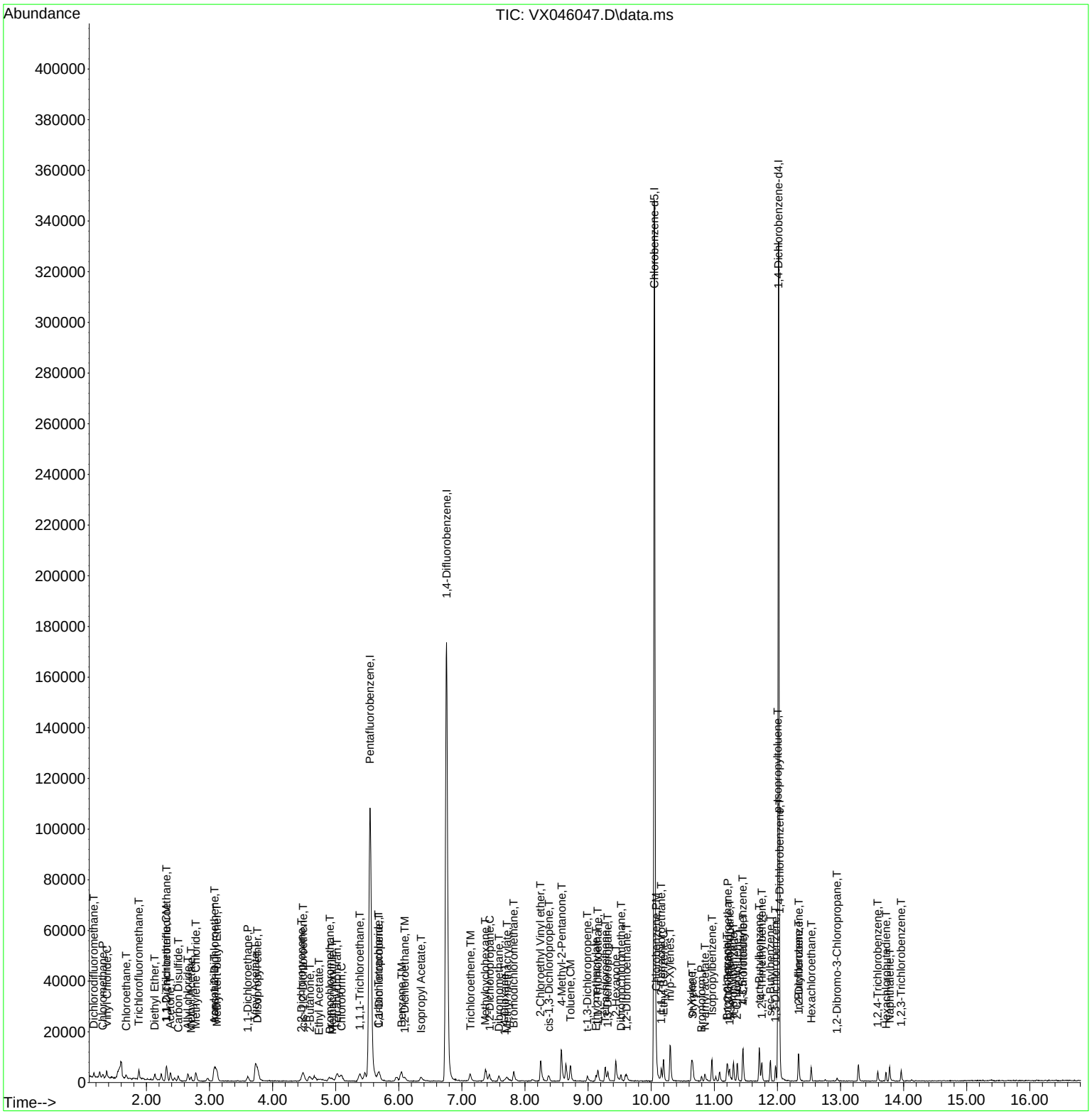
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

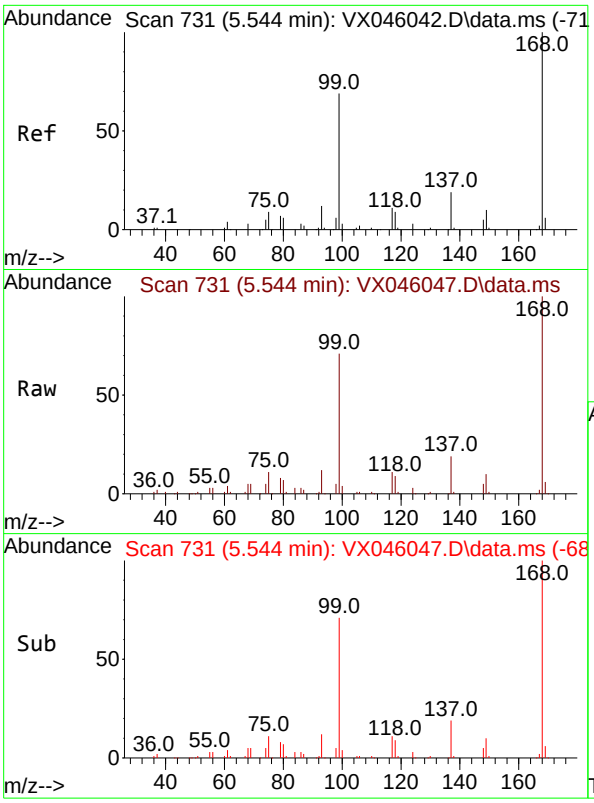
Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

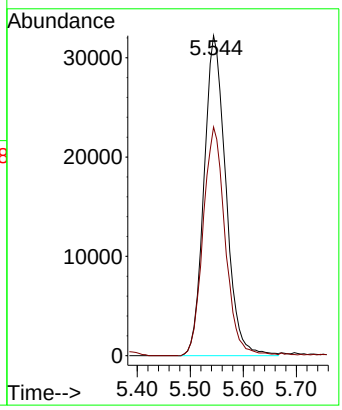




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:168 Resp: 9204

Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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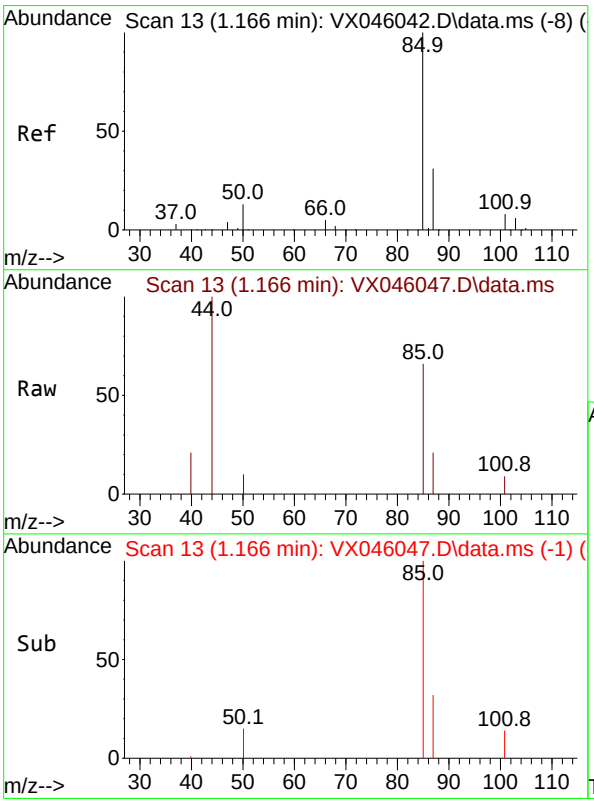
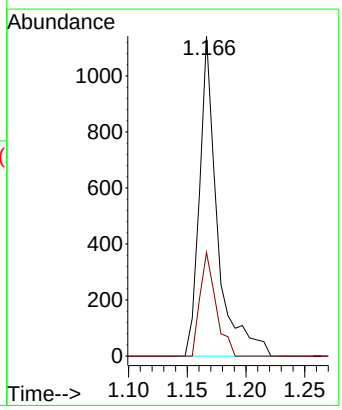
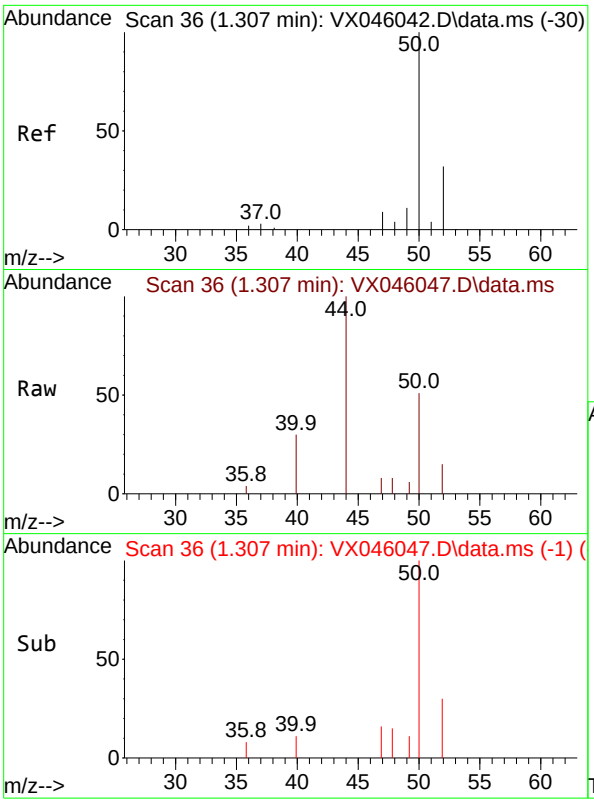


#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1

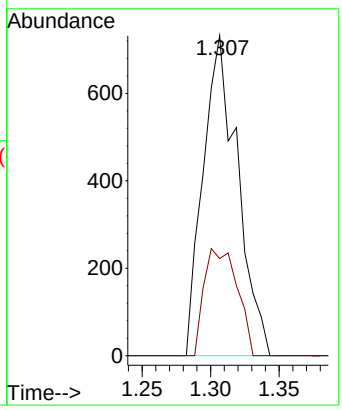




#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 50 Resp: 127

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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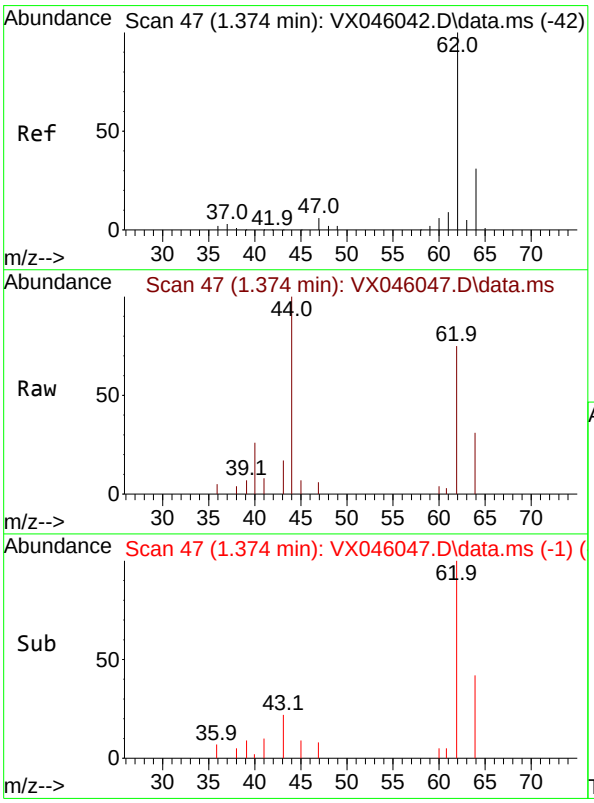
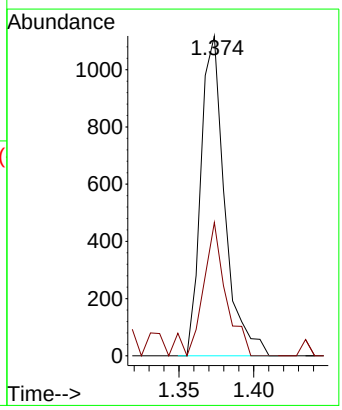
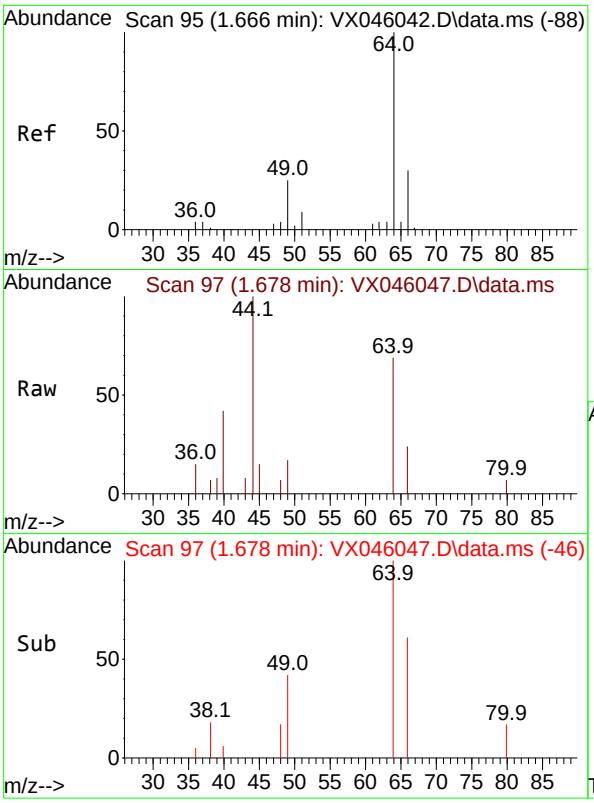


#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

Ion	Ratio	Lower	Upper
62	100		
64	41.7	25.2	37.8#

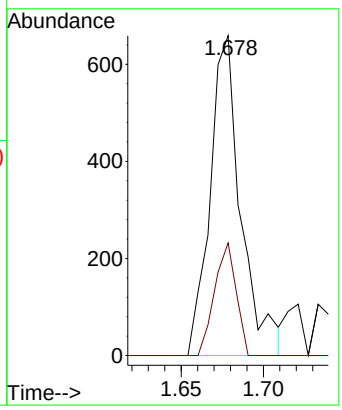




#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 85

Ion	Ratio	Lower	Upper
64	100		
66	35.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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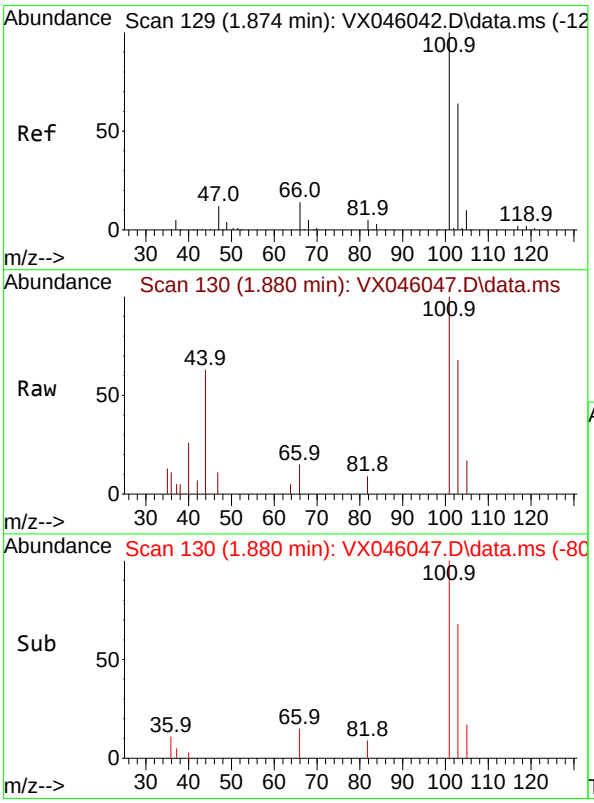
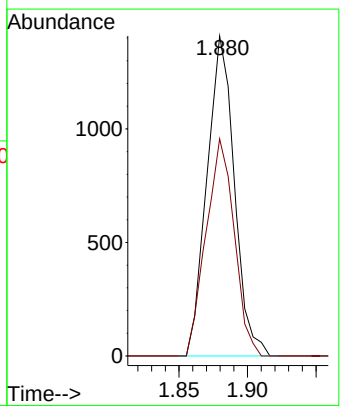
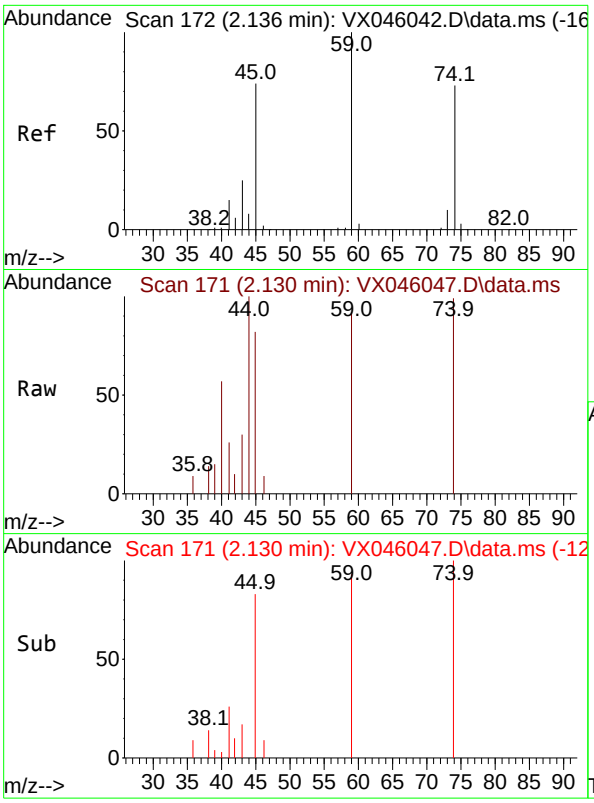


#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1959

Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.0	76.4





#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 74 Resp: 74

Ion	Ratio	Lower	Upper
74	100		
45	123.6	54.9	164.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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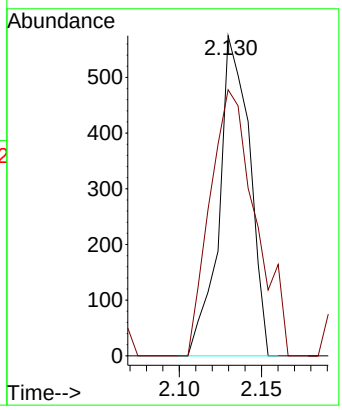
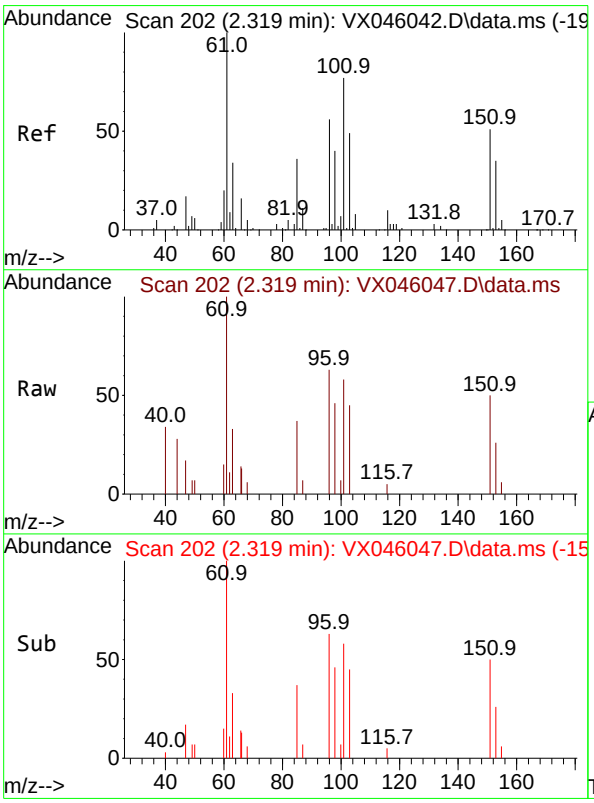
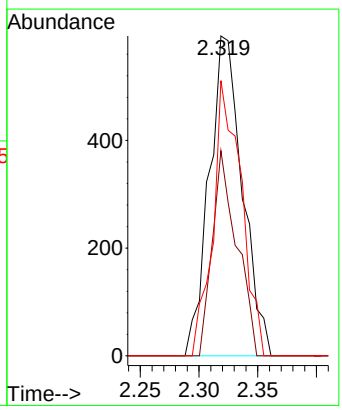


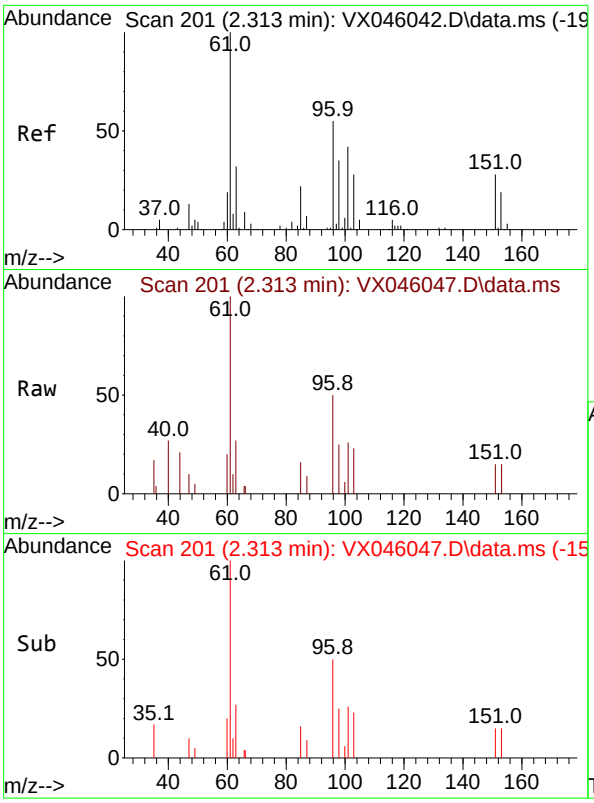


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1166

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	73.1	55.2	82.8

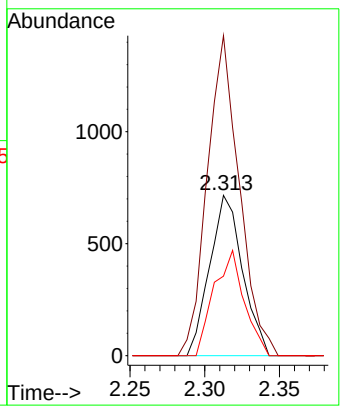




#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 109

Ion	Ratio	Lower	Upper
96	100		
61	199.6	146.2	219.2
98	49.6	51.0	76.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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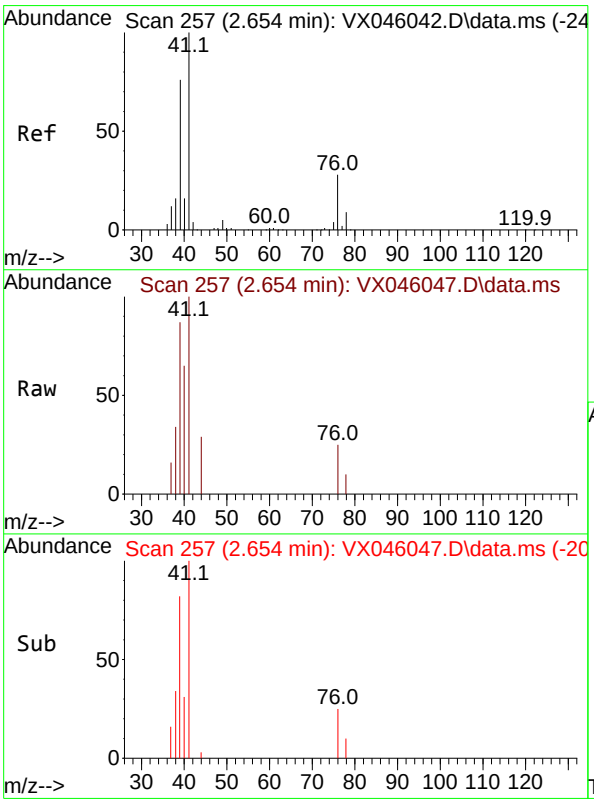
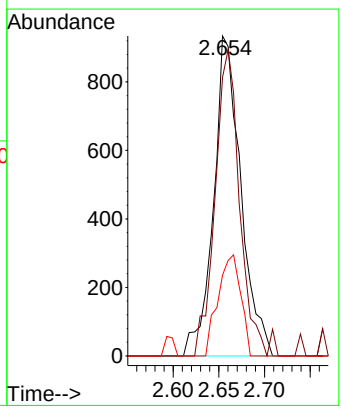
Supervised By :Mahesh Dadoda 05/06/2025

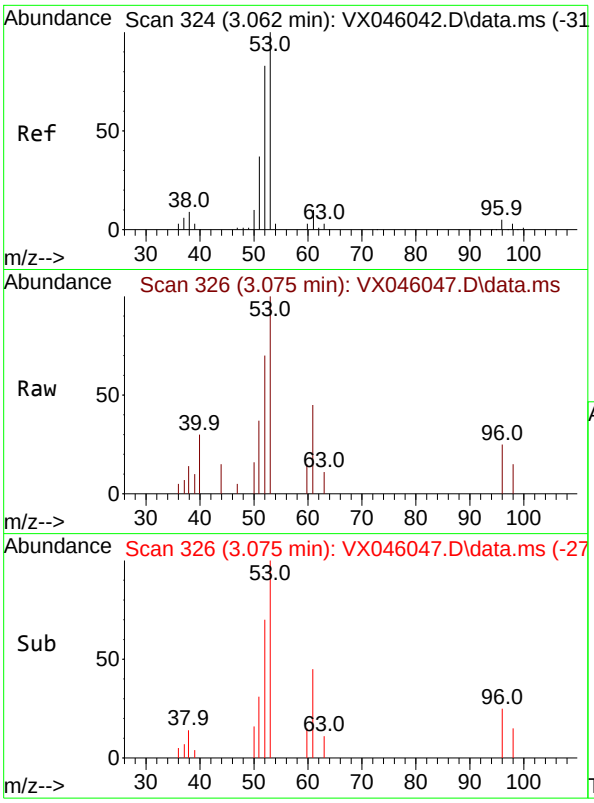


#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1936

Ion	Ratio	Lower	Upper
41	100		
39	85.5	60.6	90.8
76	26.4	24.9	37.3

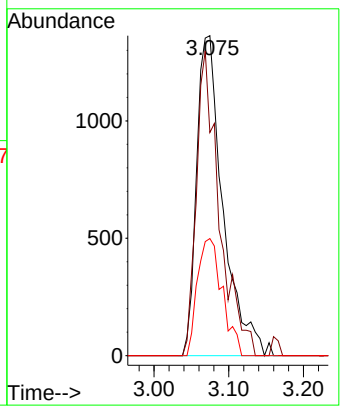




#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 53 Resp: 334

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	34.4	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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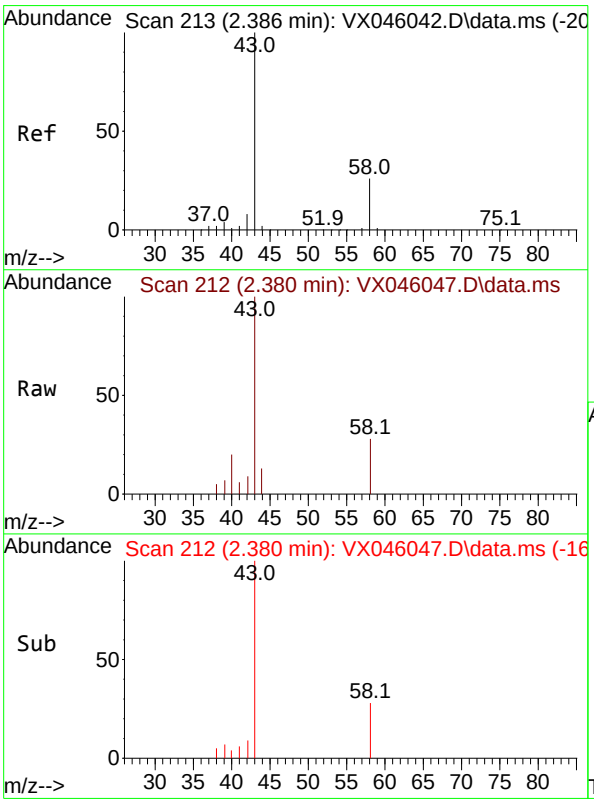
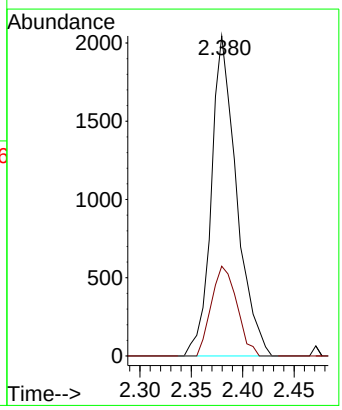
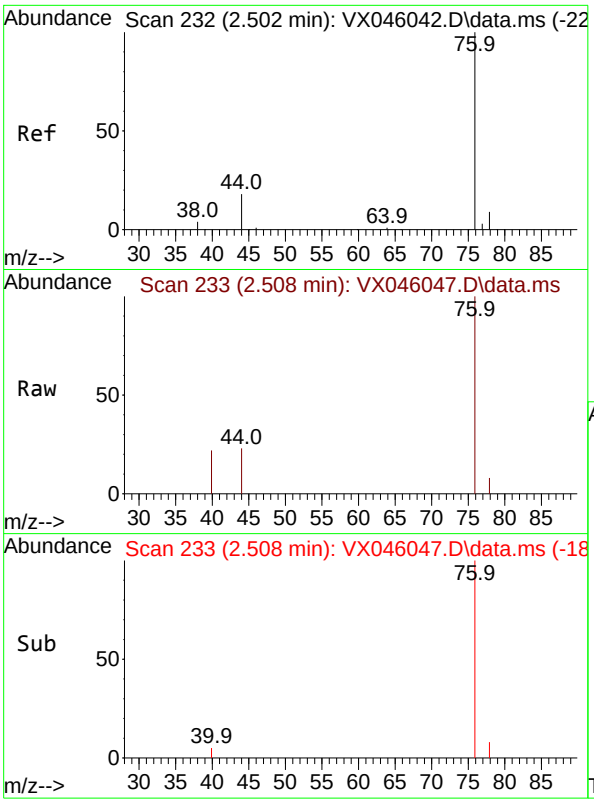


#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.2	31.8

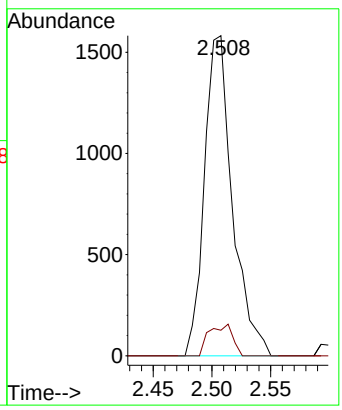




#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 261

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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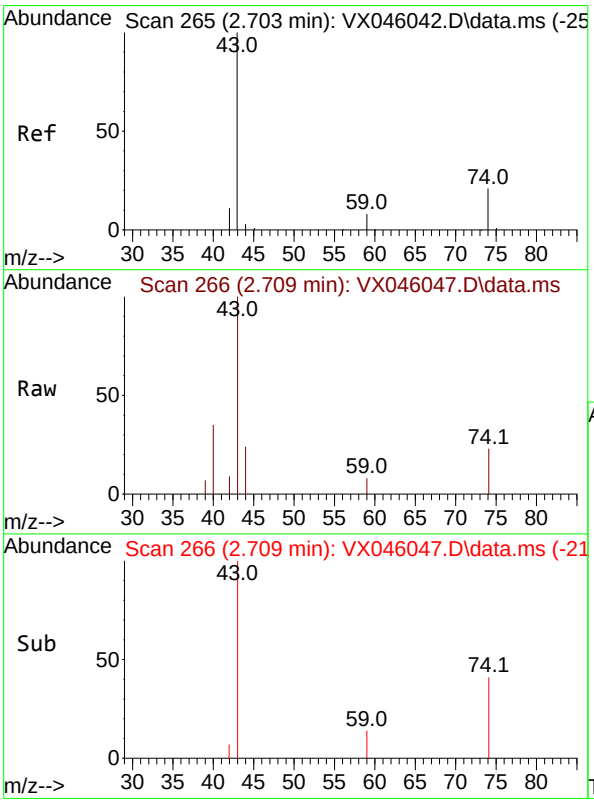
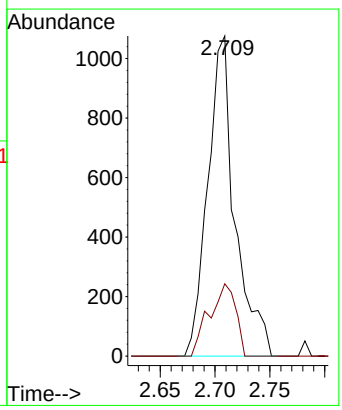
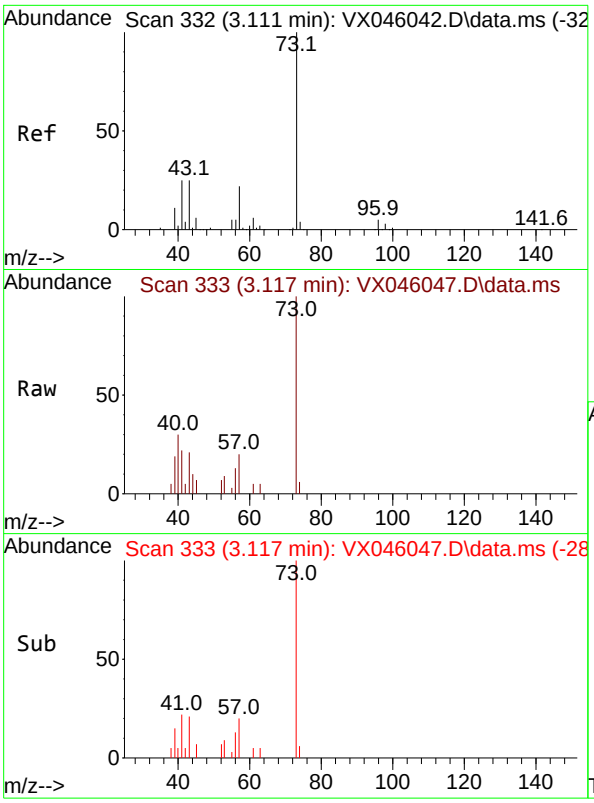


#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1852

Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 73 Resp: 358

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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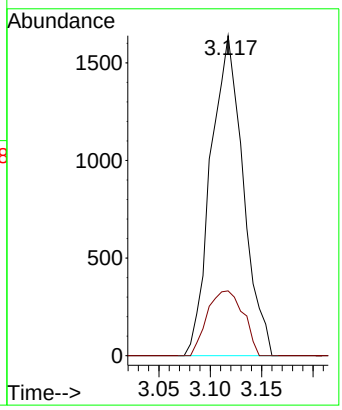
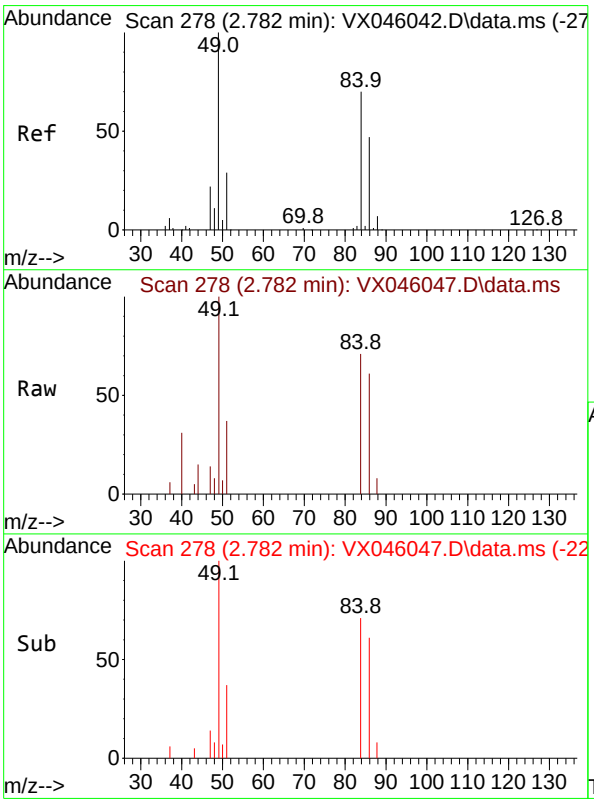
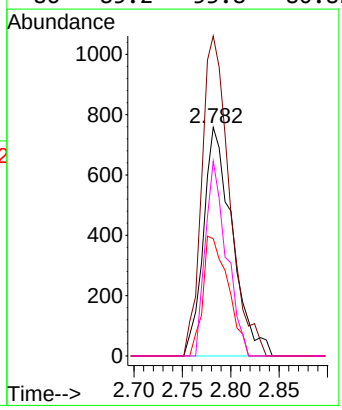


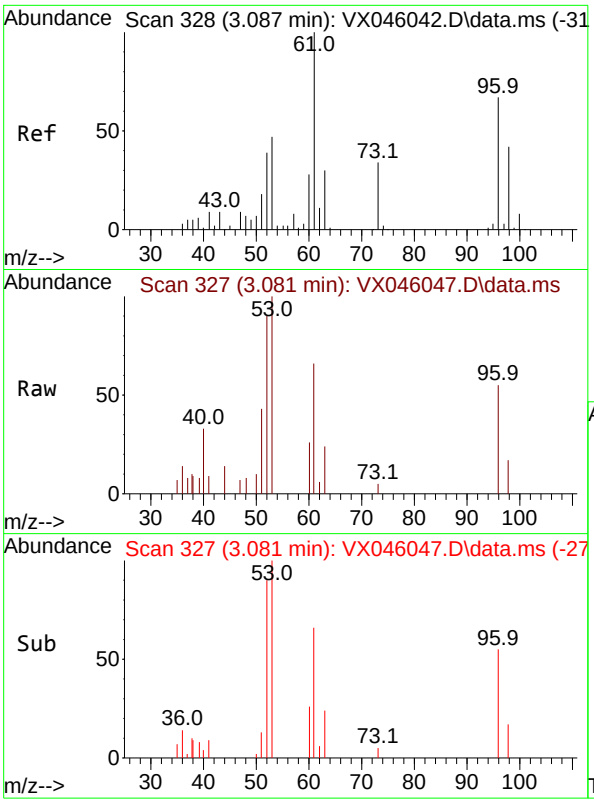


#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 84 Resp: 1571

Ion	Ratio	Lower	Upper
84	100		
49	140.0	113.9	170.9
51	51.3	33.5	50.3#
86	85.2	53.8	80.8#

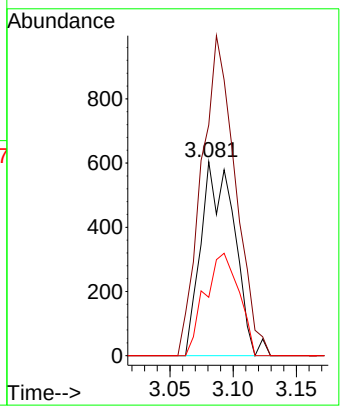




#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 111

Ion	Ratio	Lower	Upper
96	100		
61	119.0	119.5	179.3#
98	30.1	50.0	75.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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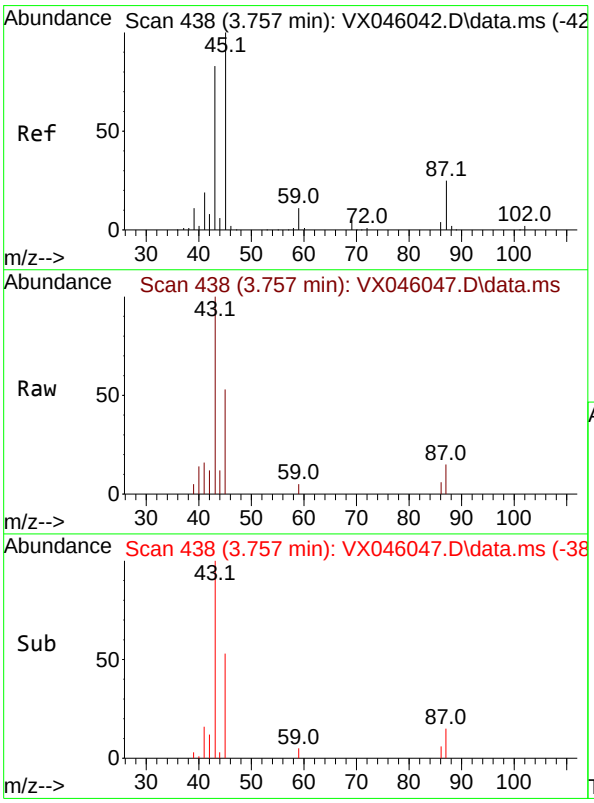
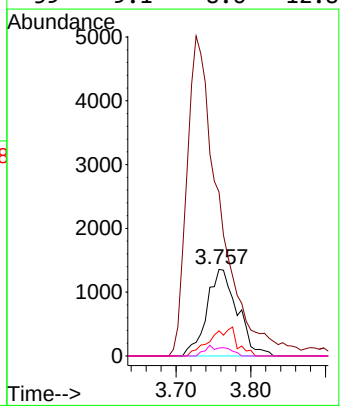
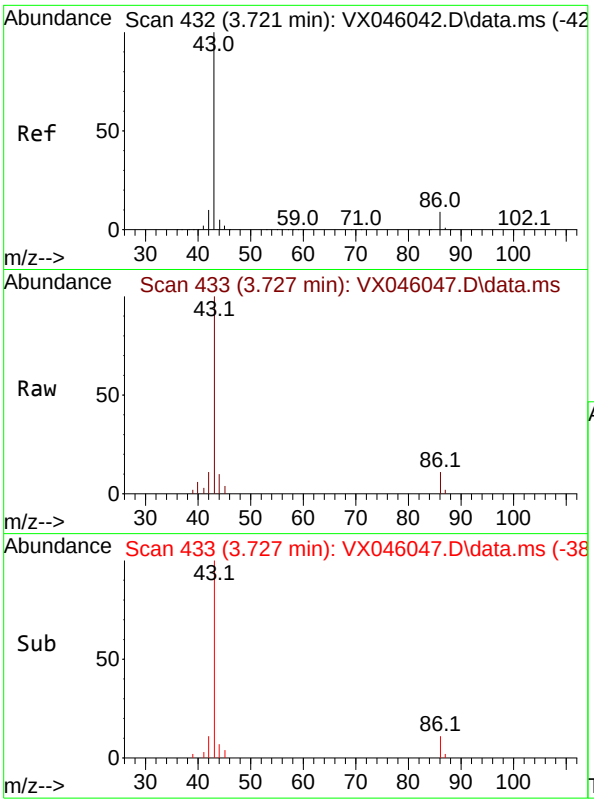


#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 45 Resp: 3857

Ion	Ratio	Lower	Upper
45	100		
43	176.2	66.6	100.0#
87	28.9	19.8	29.6
59	9.1	8.6	12.8





#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1528

Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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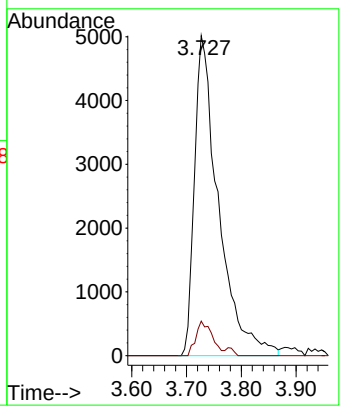
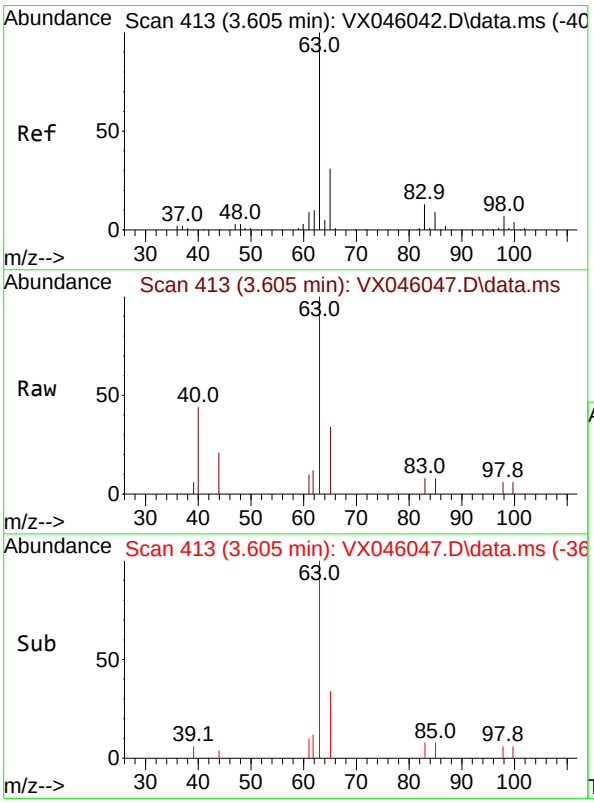
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

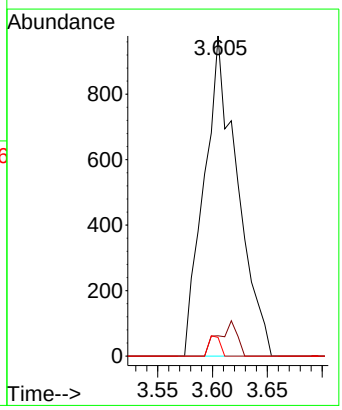


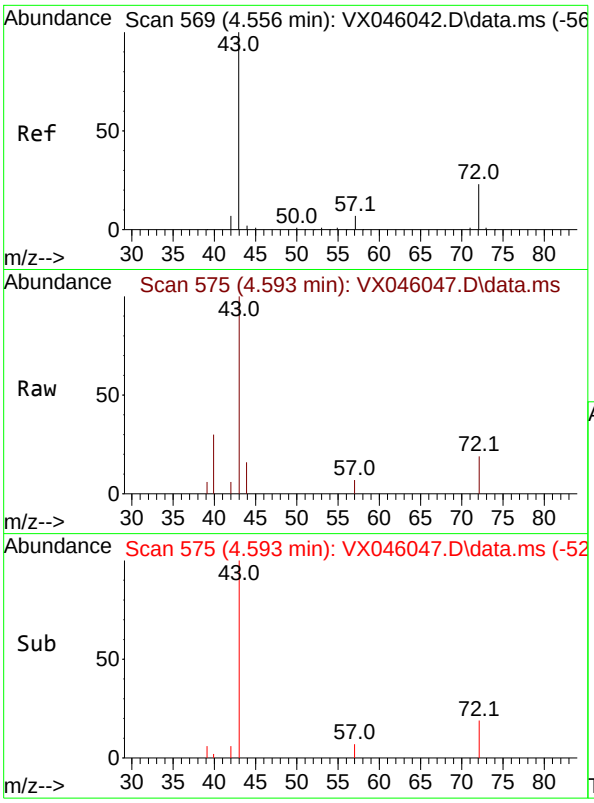


#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 2054

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.6	10.8
100	5.8	2.1	6.3

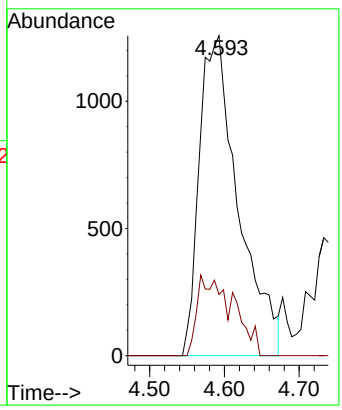




#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 455

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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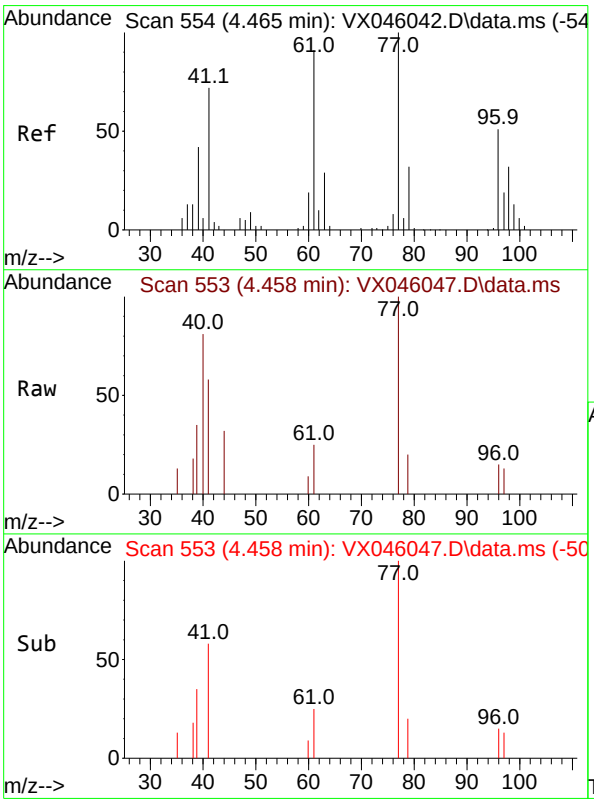
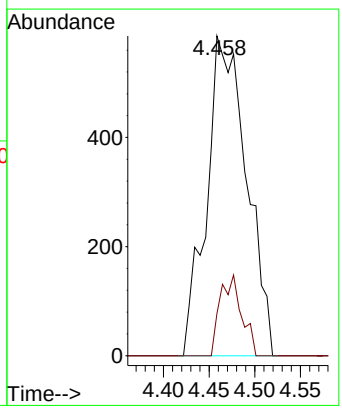
Supervised By :Mahesh Dadoda 05/06/2025

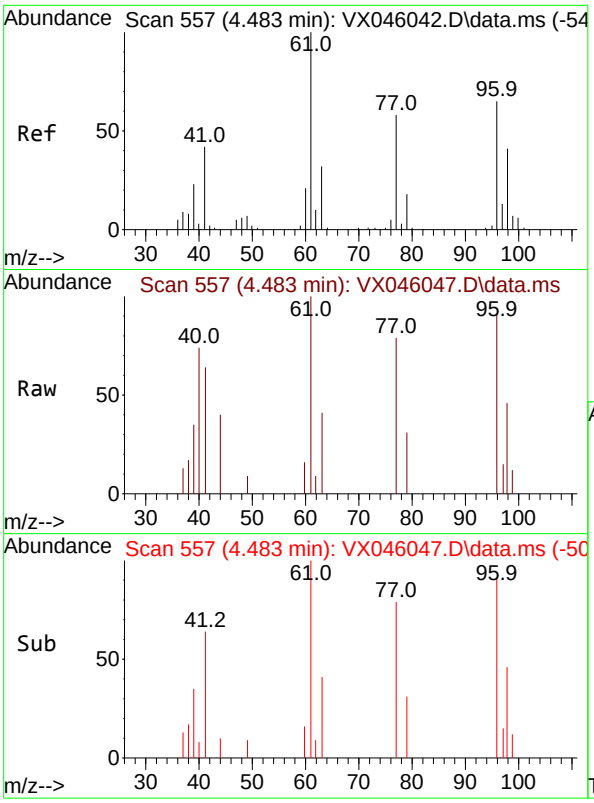


#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

Ion	Ratio	Lower	Upper
77	100		
97	13.7	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 0.693 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 132

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	322.8
98	63.1	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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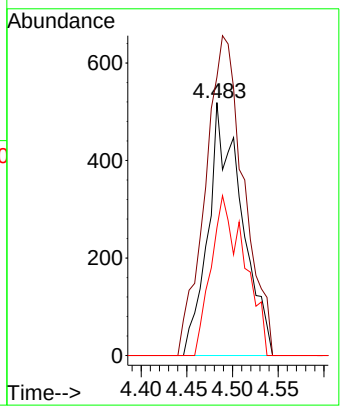
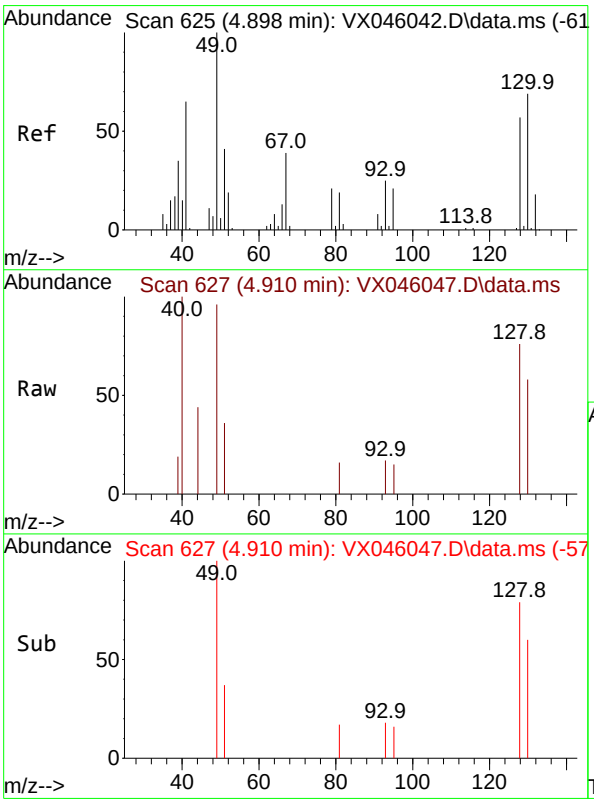
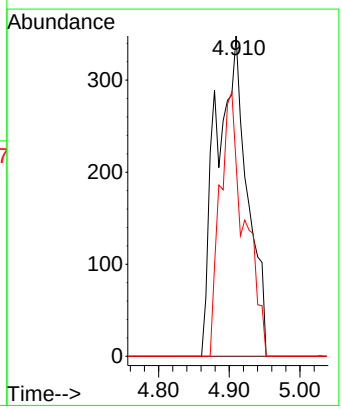


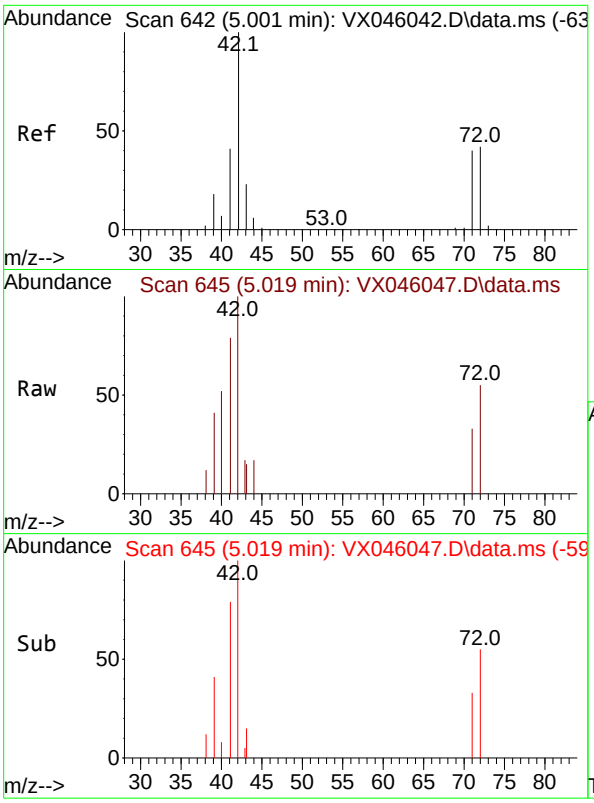


#28
Bromochloromethane
Concen: 0.619 ug/l m
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 49 Resp: 1061

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	65.3	56.2	84.2

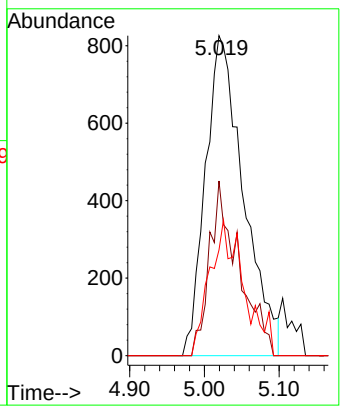




#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 42 Resp: 293

Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	37.7	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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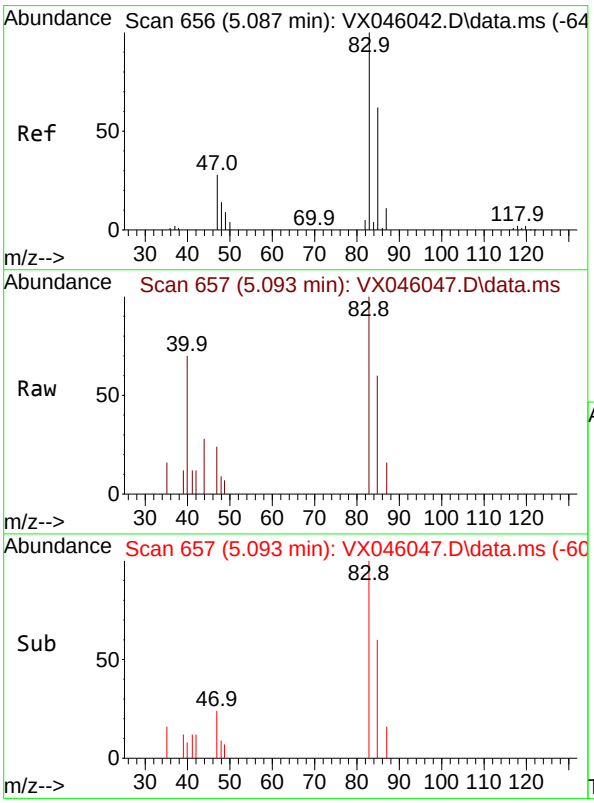
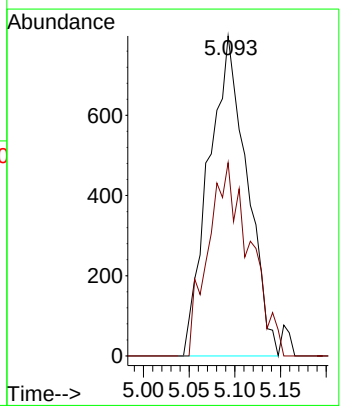
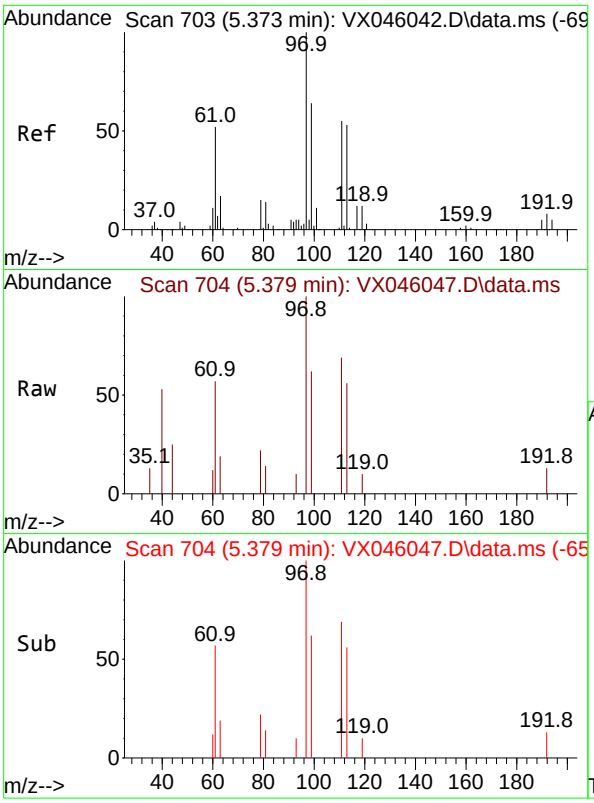


#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.3	73.9

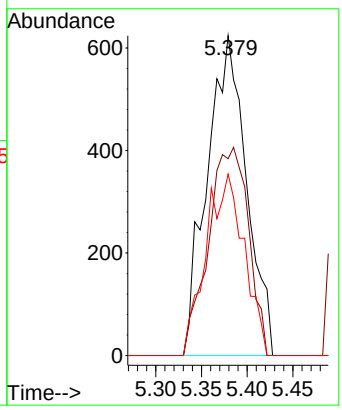




#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 186

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6
61	55.0	40.1	60.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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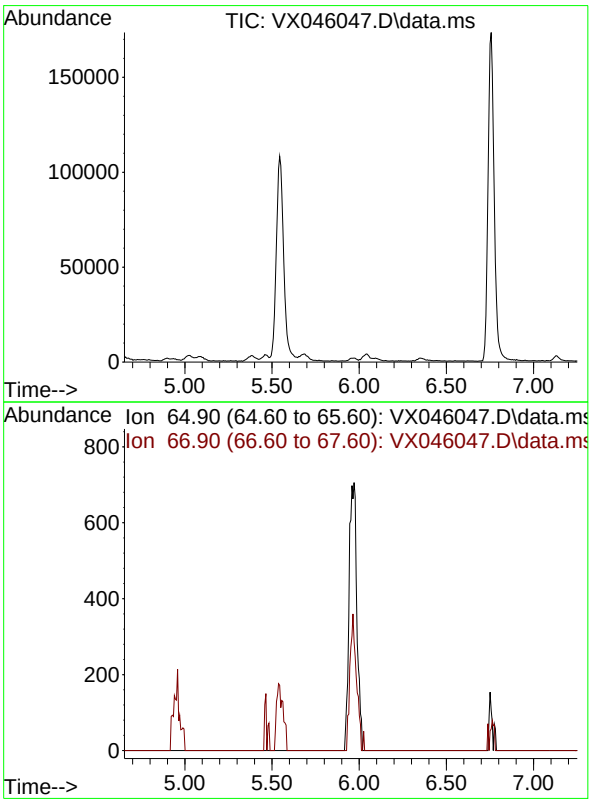
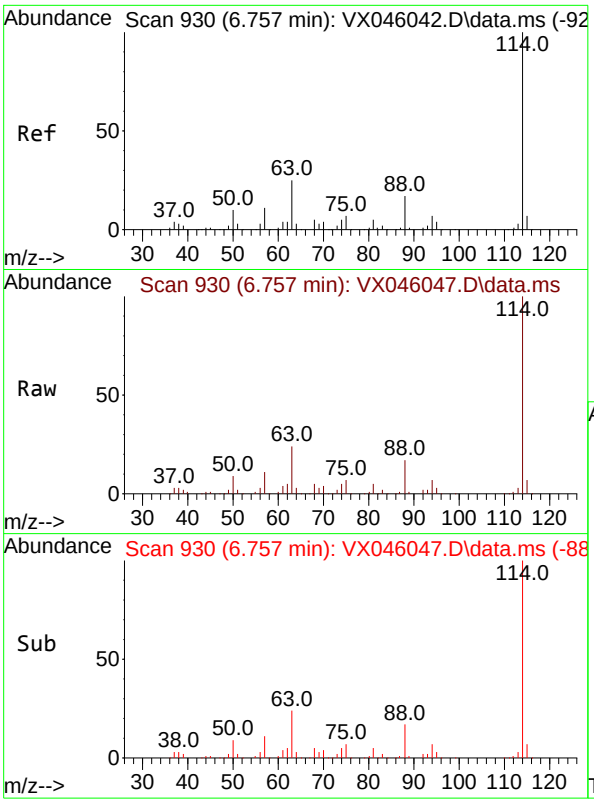


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	49.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:114 Resp: 16702

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.1	0.0	33.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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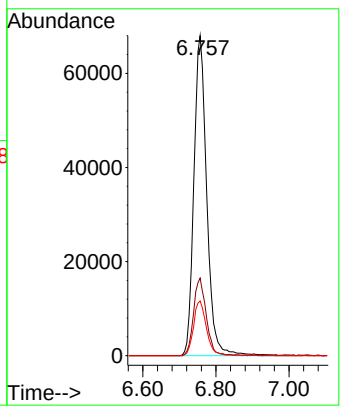
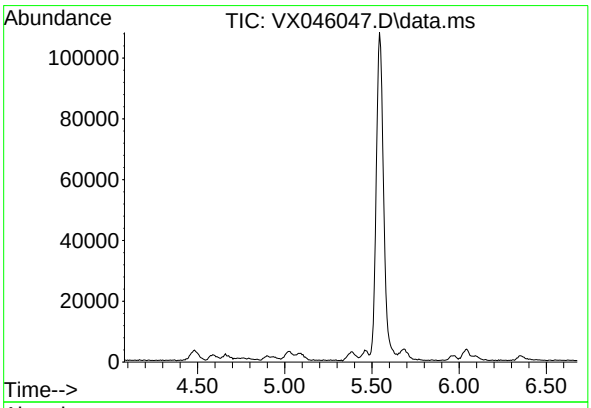


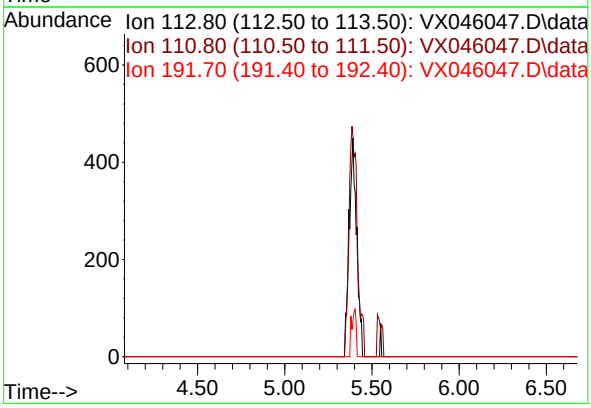


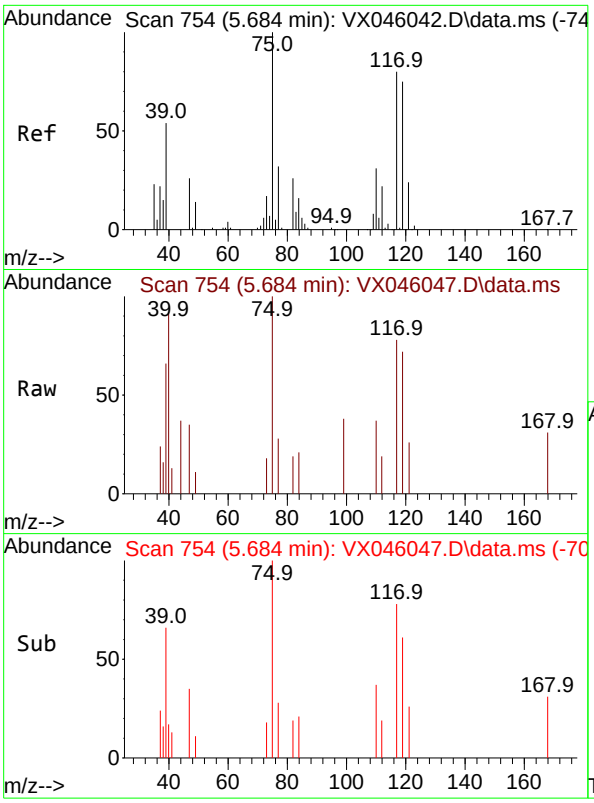
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	103.9
192	16.6

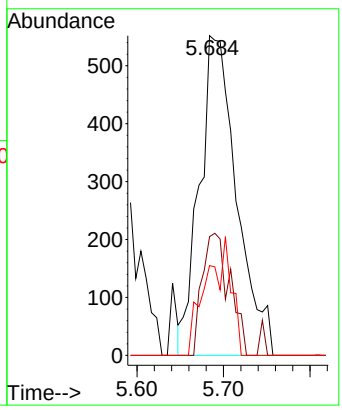




#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 164

Ion	Ratio	Lower	Upper
75	100		
110	28.2	16.3	48.9
77	15.8	24.3	36.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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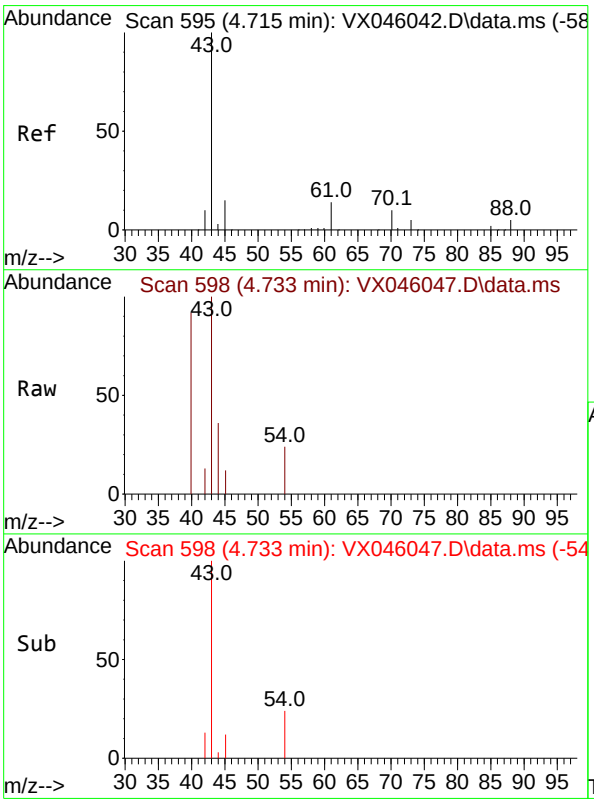
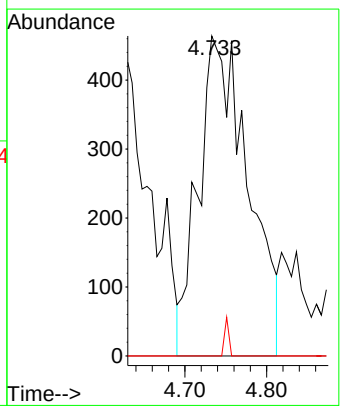
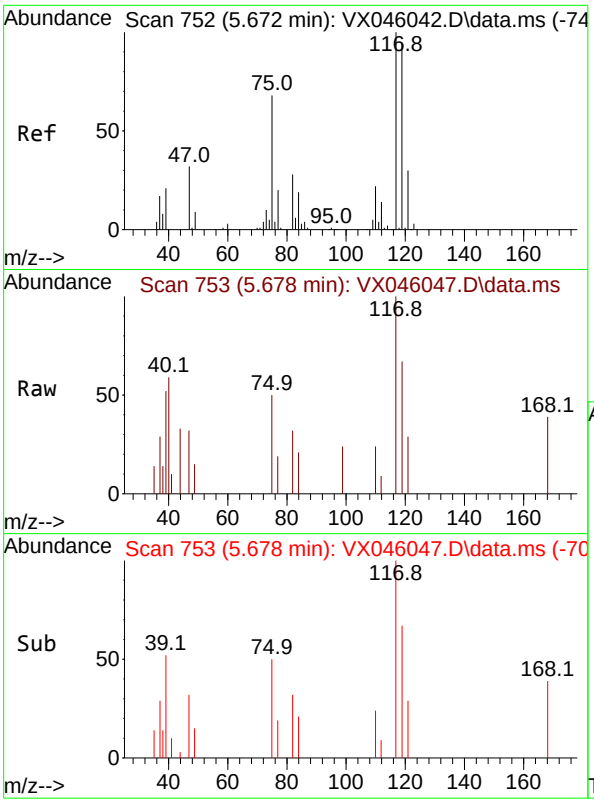


#37
Ethyl Acetate
Concen: 0.717 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1956

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	1.0	7.9	11.9#

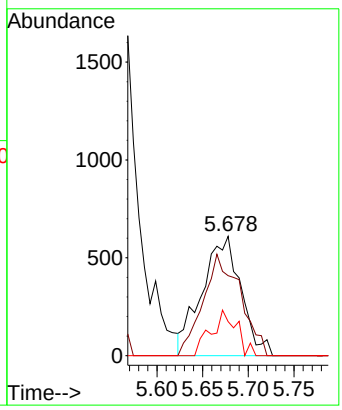




#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 180

Ion	Ratio	Lower	Upper
117	100		
119	67.0	75.2	112.8#
121	28.5	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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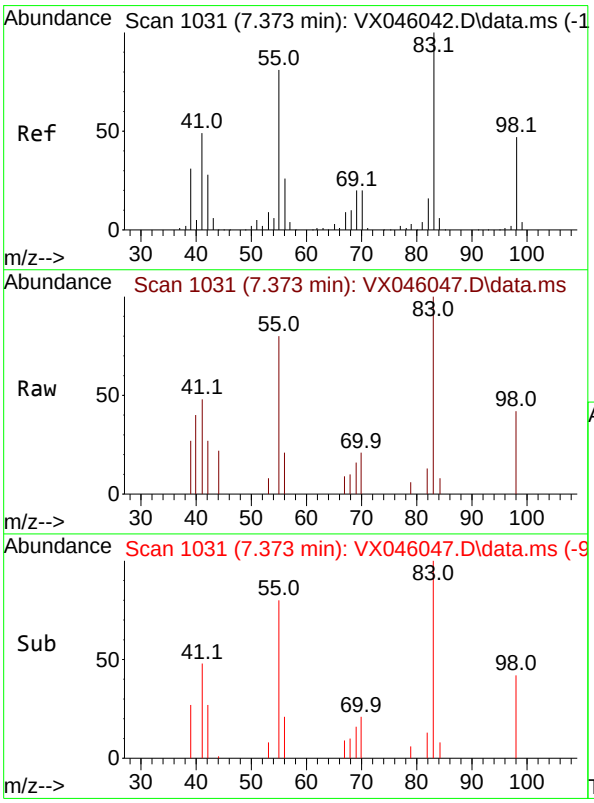
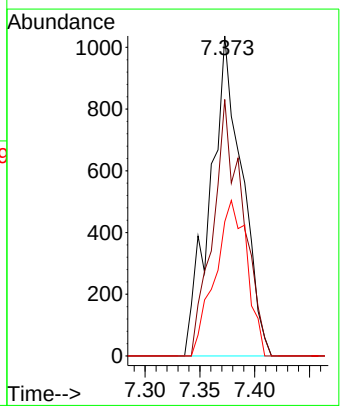
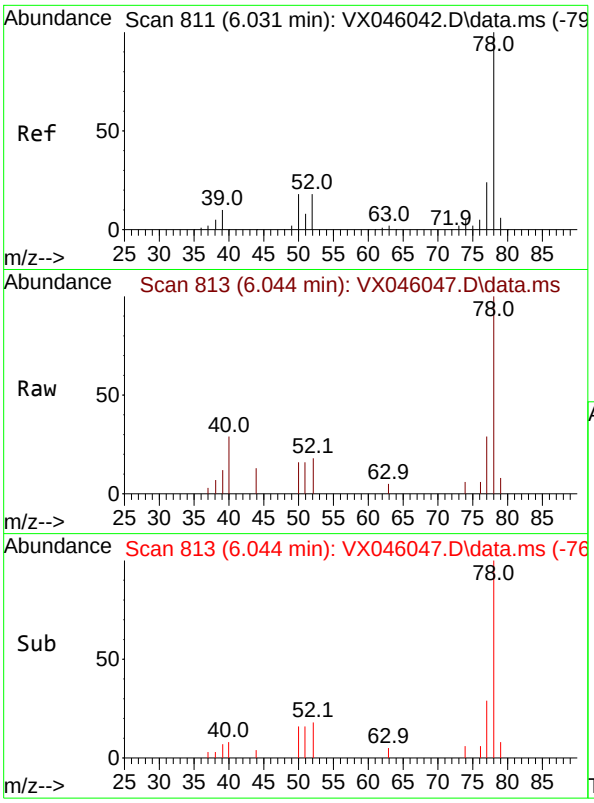


#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2096

Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.7	97.1
98	41.9	37.4	56.2





#40
Benzene
Concen: 0.668 ug/l
RT: 6.044 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 78 Resp: 450

Ion	Ratio	Lower	Upper
78	100		
77	29.1	19.0	28.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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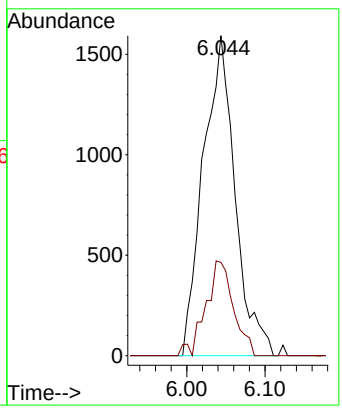
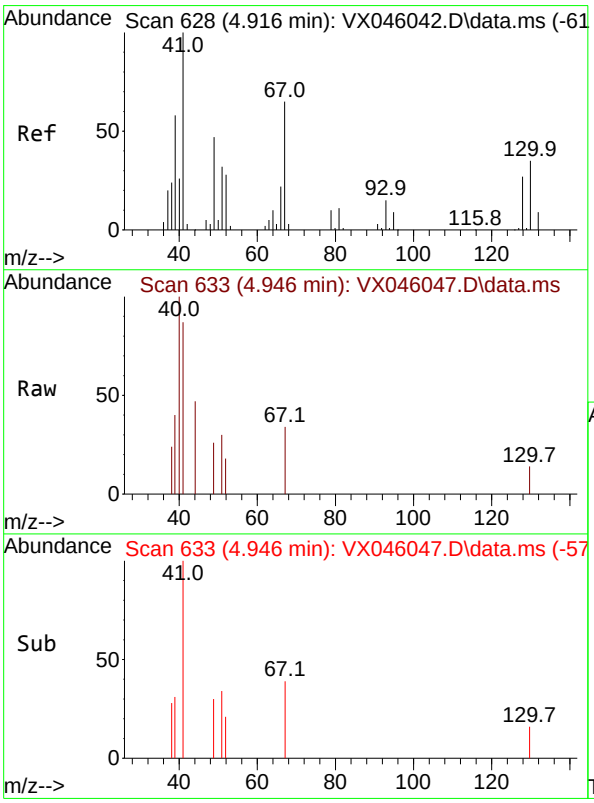
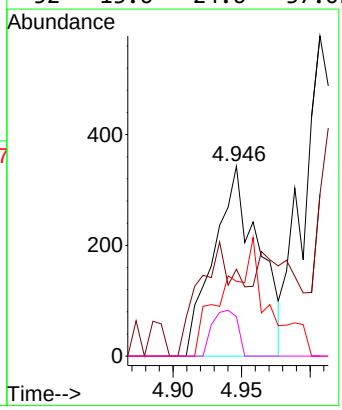


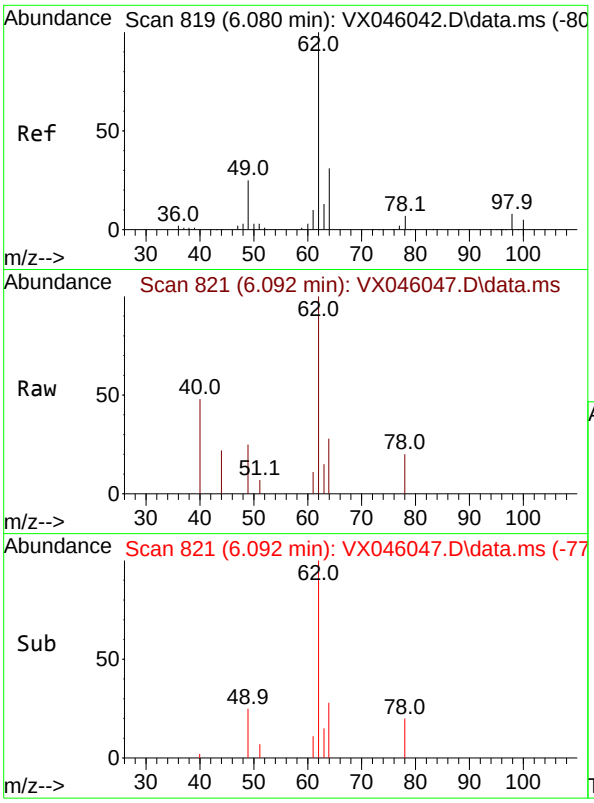


#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 633
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 778

Ion	Ratio	Lower	Upper
41	100		
39	51.7	47.2	70.8
67	0.0	50.7	76.1#
52	13.6	24.6	37.0#





#42
1,2-Dichloroethane
Concen: 0.694 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 193

Ion	Ratio	Lower	Upper
62	100		
98	1.1	0.0	15.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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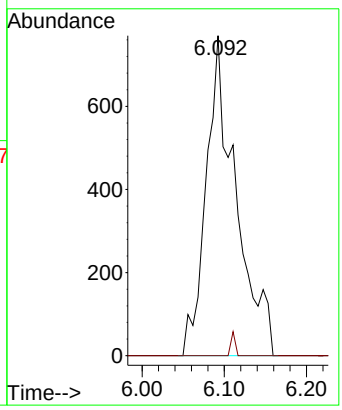
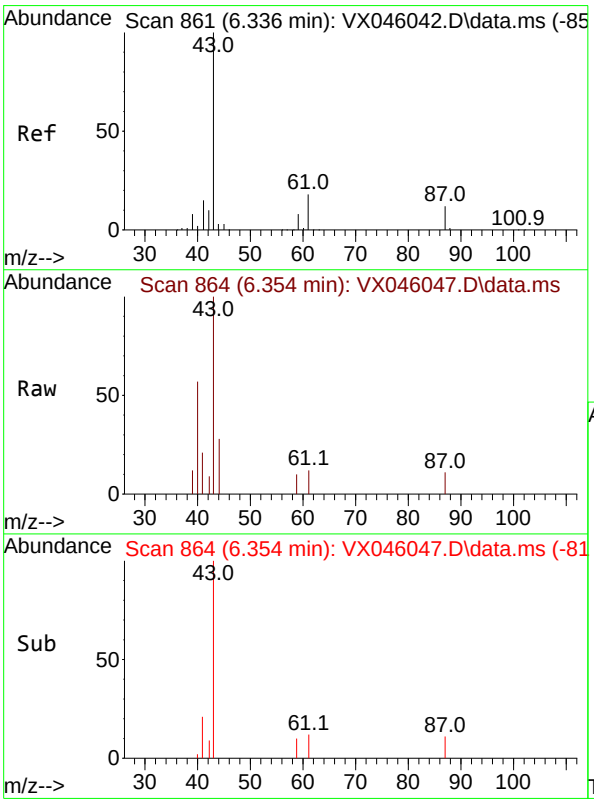
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

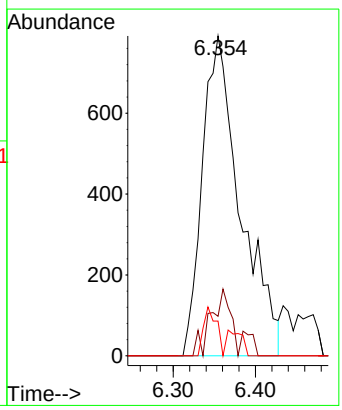


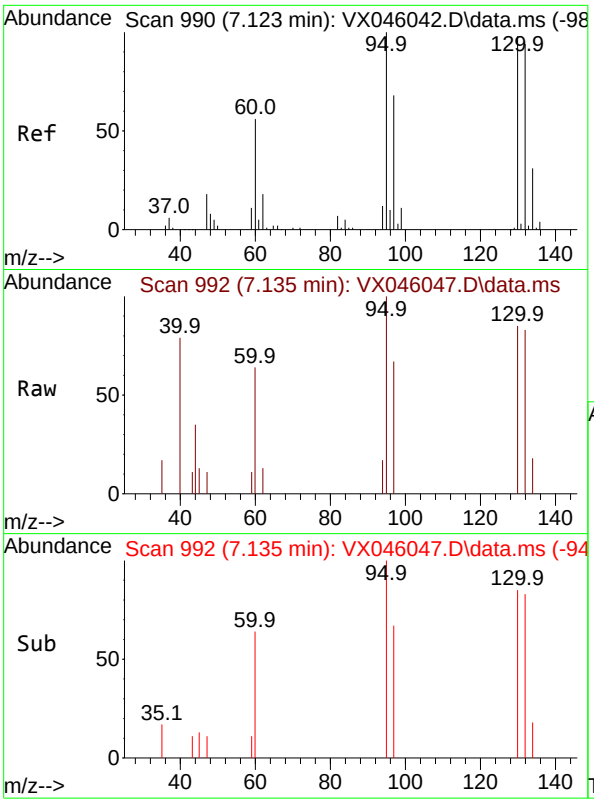


#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 2553

Ion	Ratio	Lower	Upper
43	100		
61	10.7	14.3	21.5#
87	3.2	9.5	14.3#





#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:130 Resp: 108

Ion	Ratio	Lower	Upper
130	100		
95	117.3	0.0	204.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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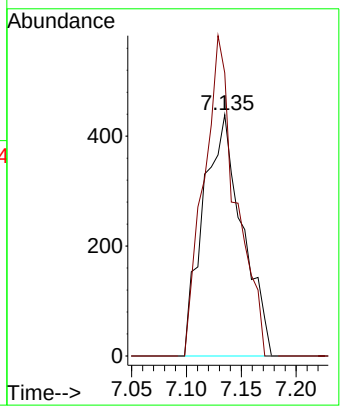
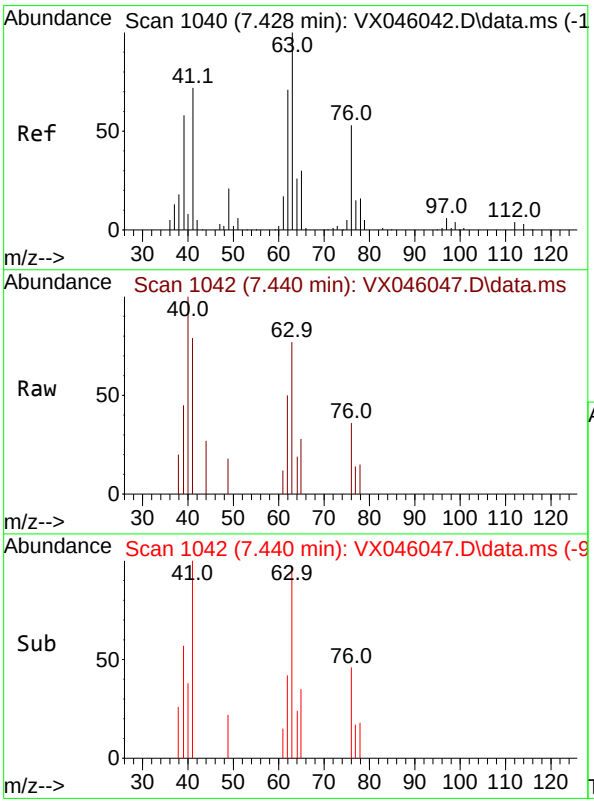
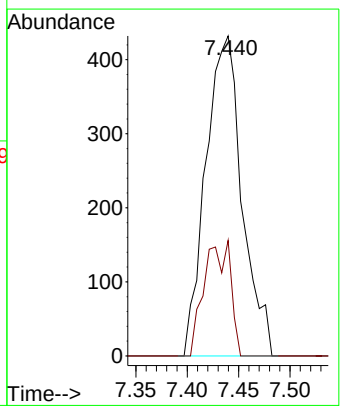


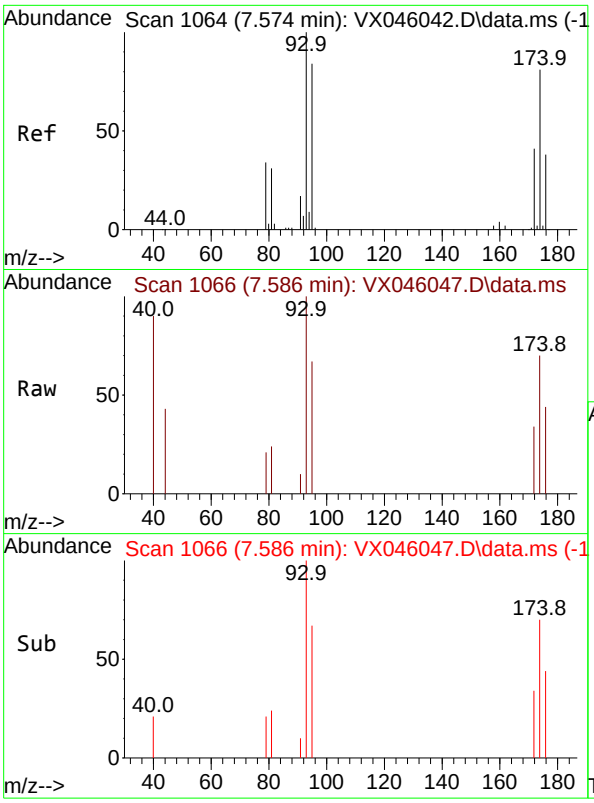


#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 1059

Ion	Ratio	Lower	Upper
63	100		
65	36.1	24.1	36.1

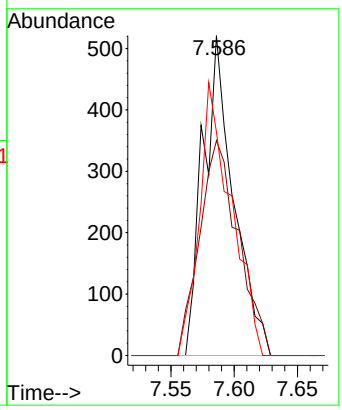




#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 93 Resp: 88

Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.6	98.4
174	88.5	68.2	102.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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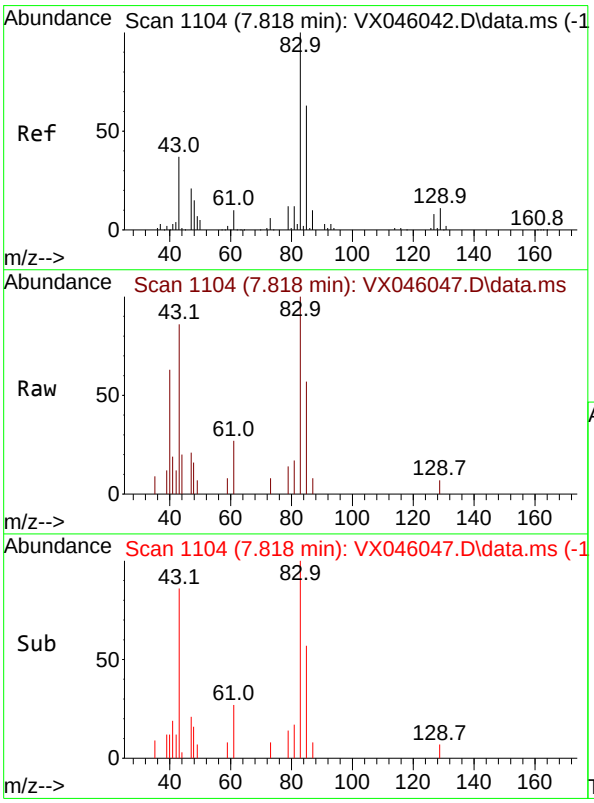
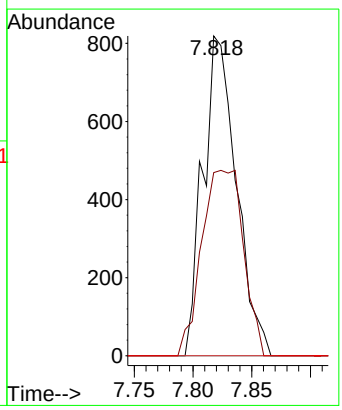
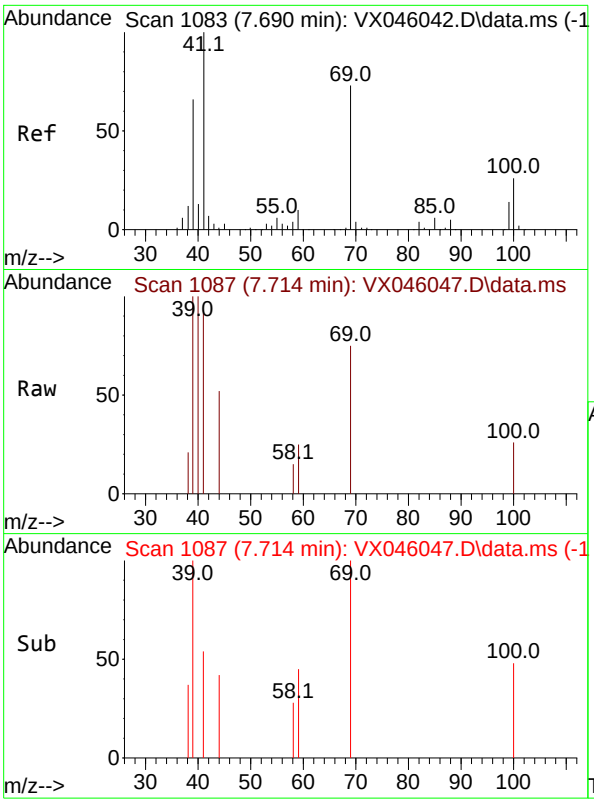


#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1620

Ion	Ratio	Lower	Upper
83	100		
85	57.3	50.5	75.7
127	0.0	6.5	9.7#

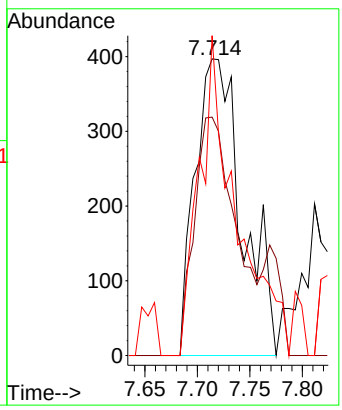




#48
Methyl methacrylate
Concen: 0.577 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 123

Ion	Ratio	Lower	Upper
41	100		
69	70.6	58.5	87.7
39	84.8	51.7	77.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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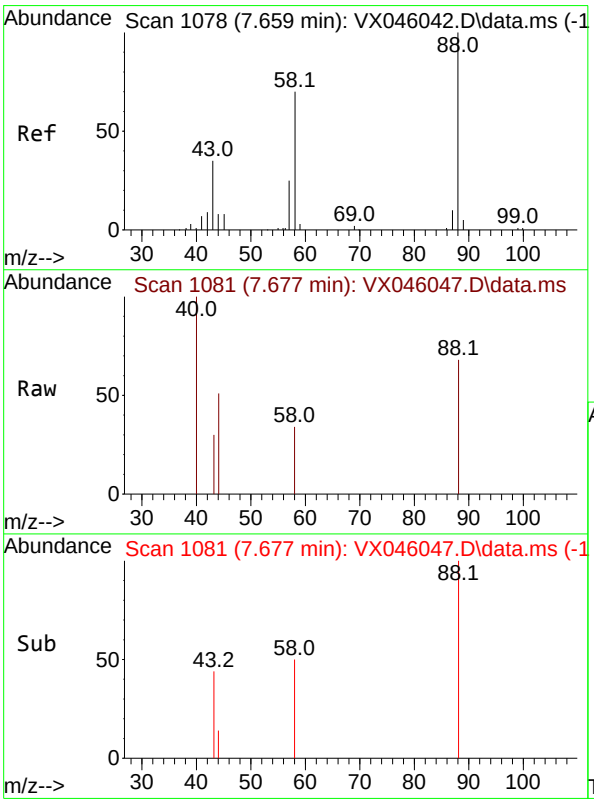
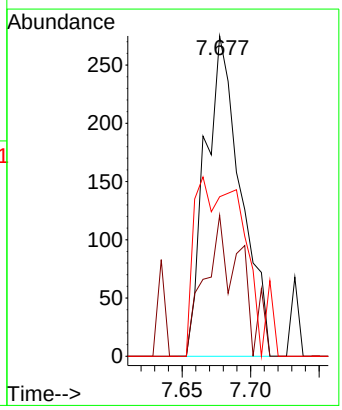
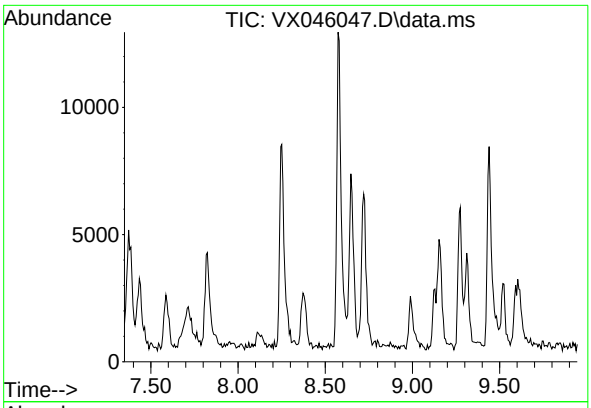


#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 88 Resp: 498

Ion	Ratio	Lower	Upper
88	100		
43	44.4	33.4	50.2
58	30.3	58.6	88.0#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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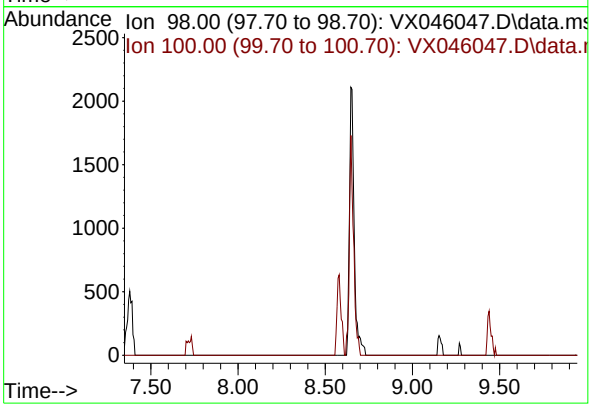
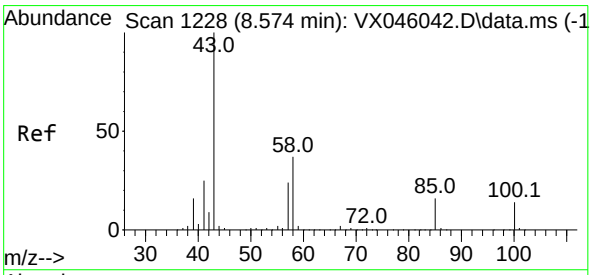
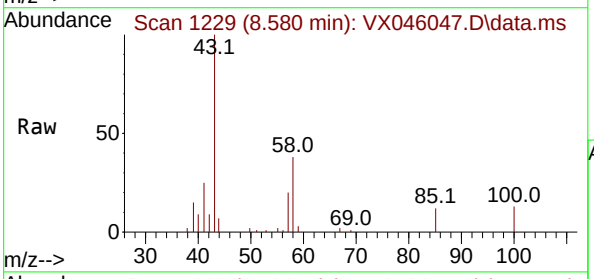


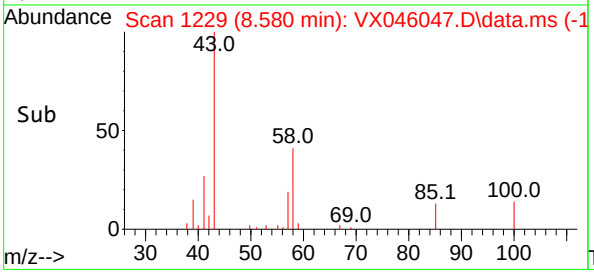


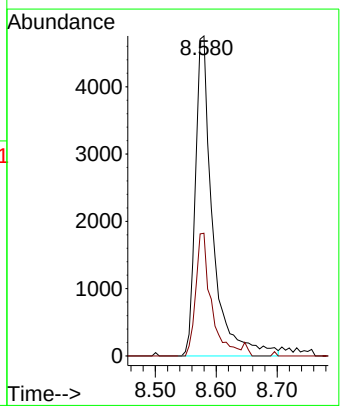
#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

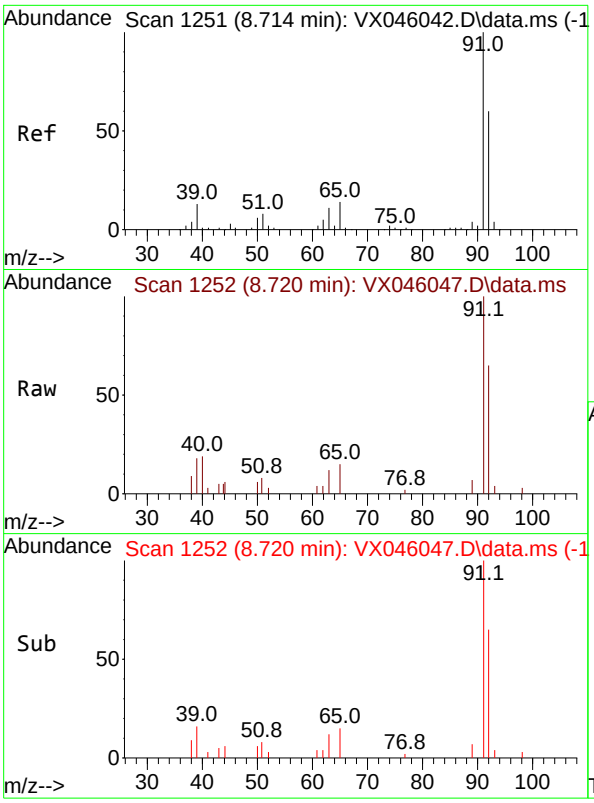
Tgt Ion: 43 Resp: 9378

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.9	43.3





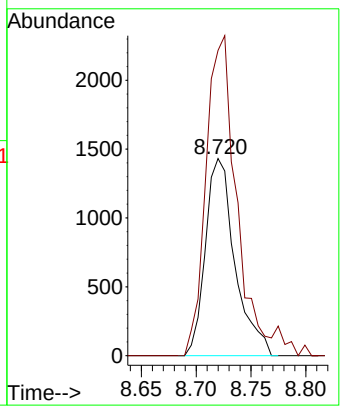




#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 92 Resp: 268

Ion	Ratio	Lower	Upper
92	100		
91	165.7	136.6	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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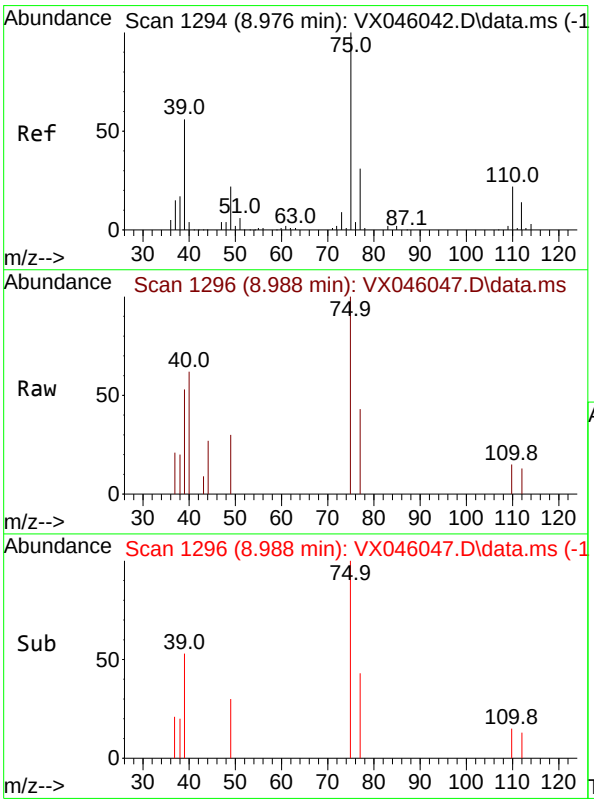
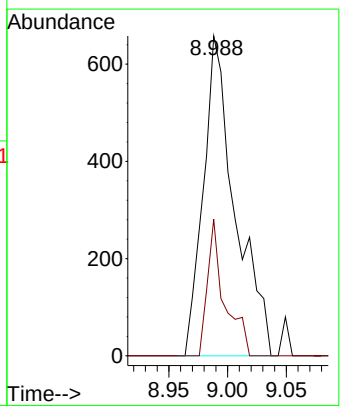
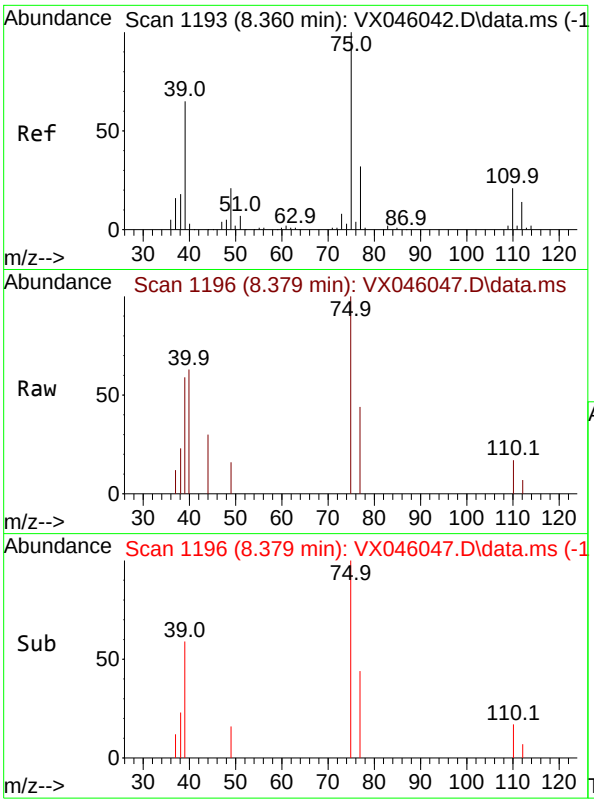


#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	42.7	25.0	37.6#

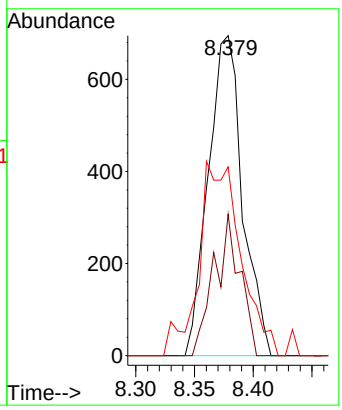




#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 141

Ion	Ratio	Lower	Upper
75	100		
77	44.2	25.4	38.0
39	59.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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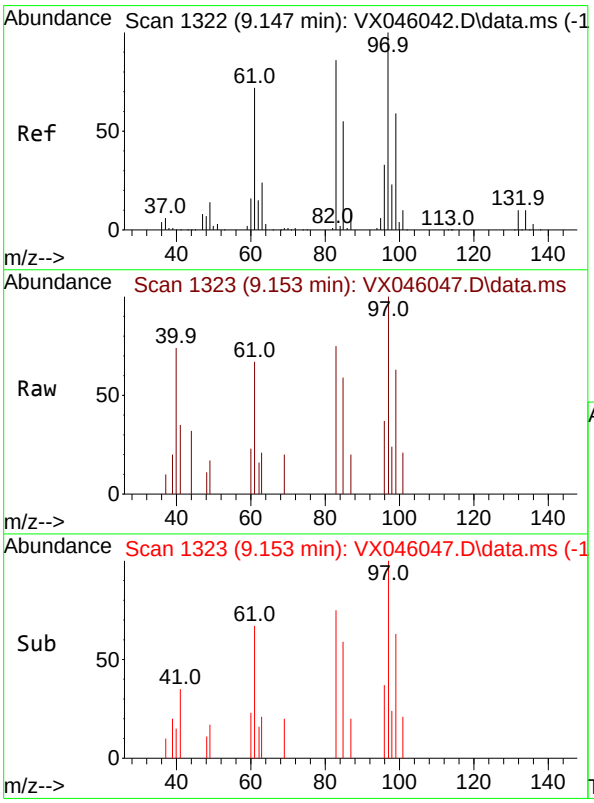
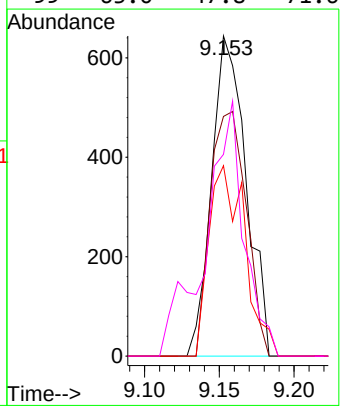
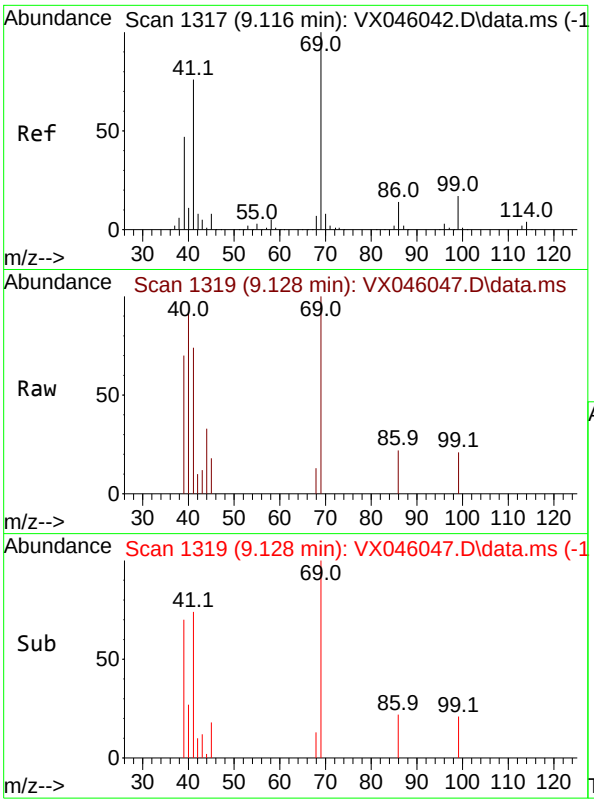


#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 1029

Ion	Ratio	Lower	Upper
97	100		
83	74.8	69.0	103.6
85	59.5	44.3	66.5
99	63.0	47.8	71.6





#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 69 Resp: 126

Ion	Ratio	Lower	Upper
69	100		
41	86.6	60.8	91.2
39	78.0	39.0	58.6#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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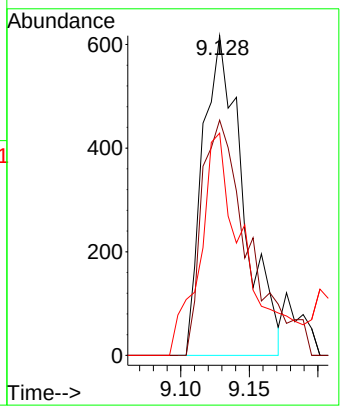
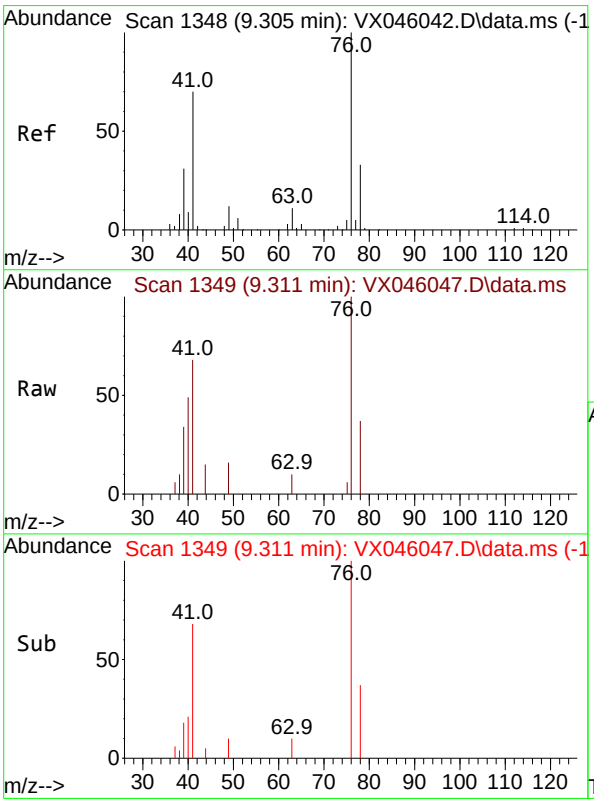
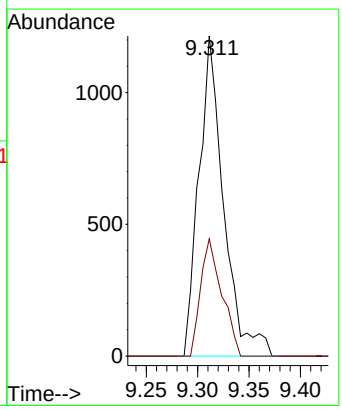


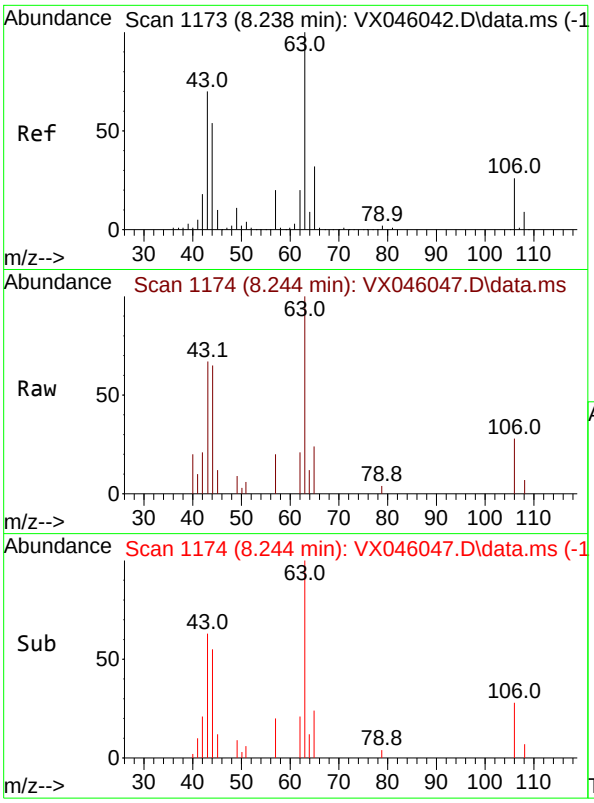


#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 2036

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5





#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 384

Ion	Ratio	Lower	Upper
63	100		
106	24.0	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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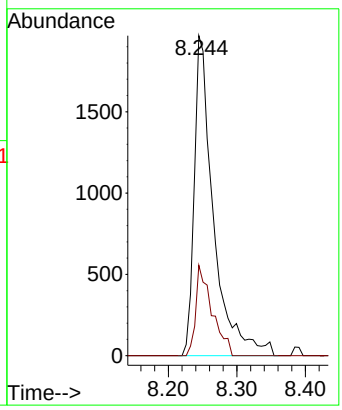
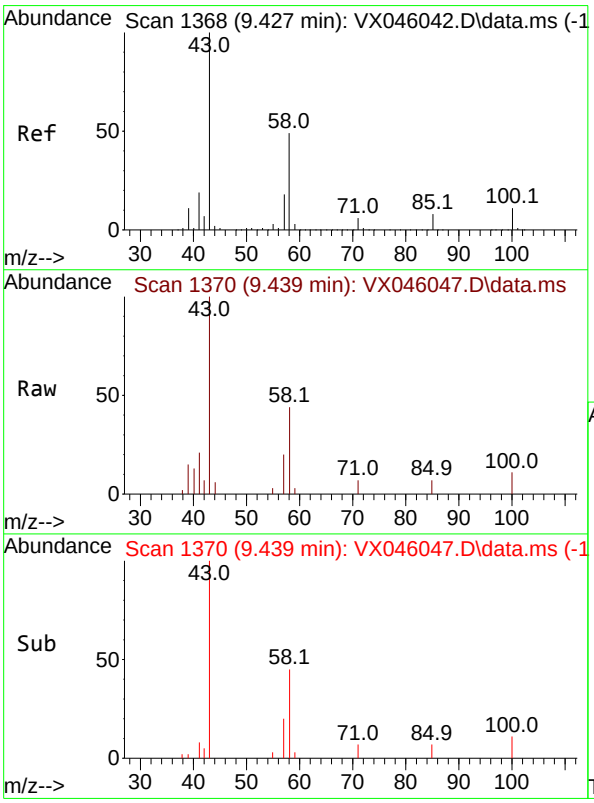
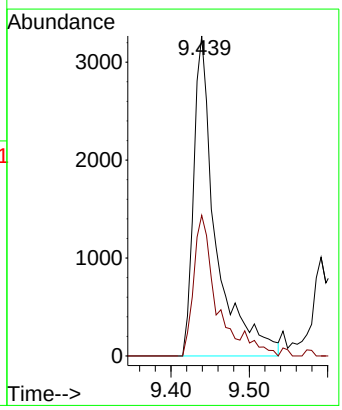


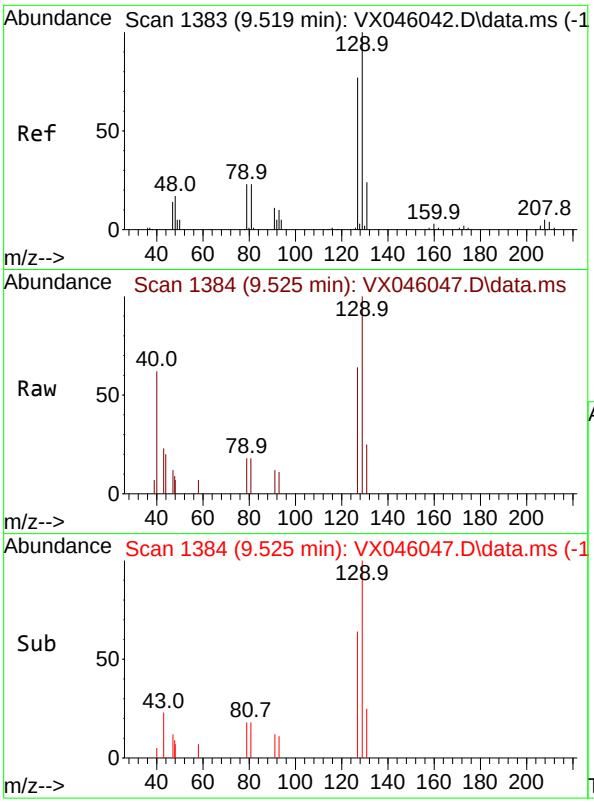


#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
58	41.6	24.9	74.6

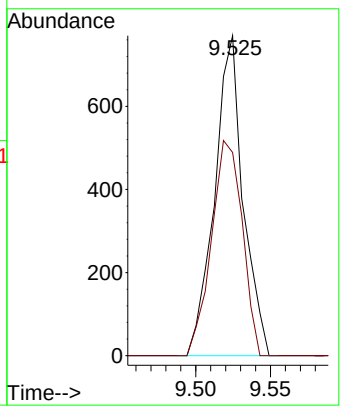




#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:129 Resp: 102

Ion	Ratio	Lower	Upper
129	100		
127	72.5	39.3	117.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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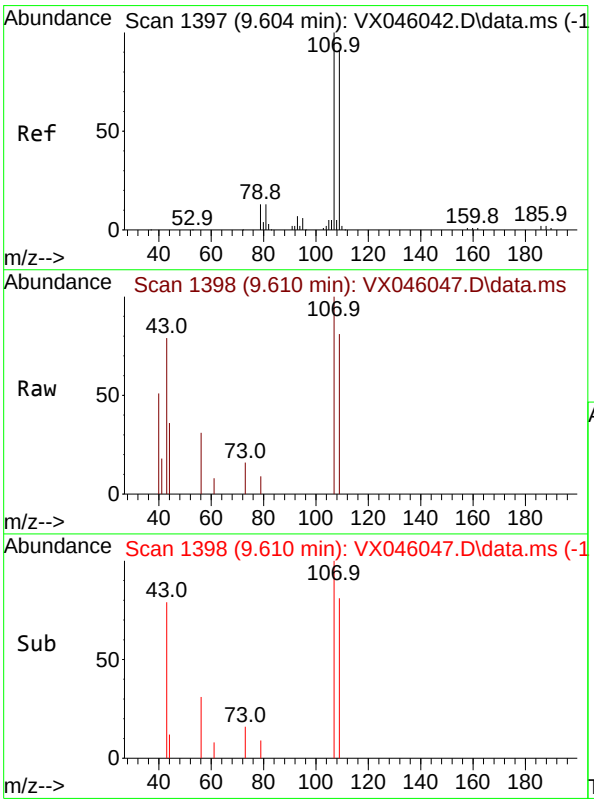
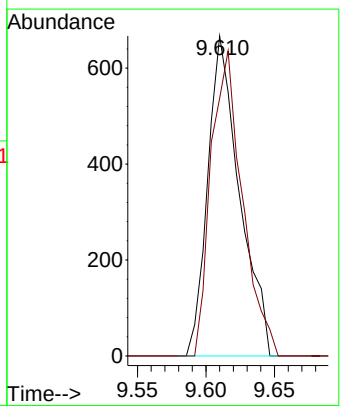
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

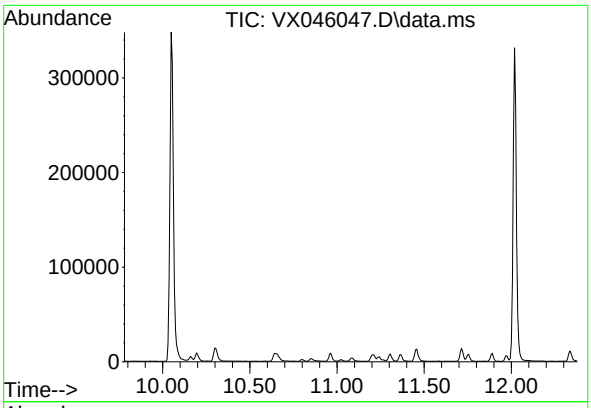


#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:107 Resp: 1077

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	67.9
176	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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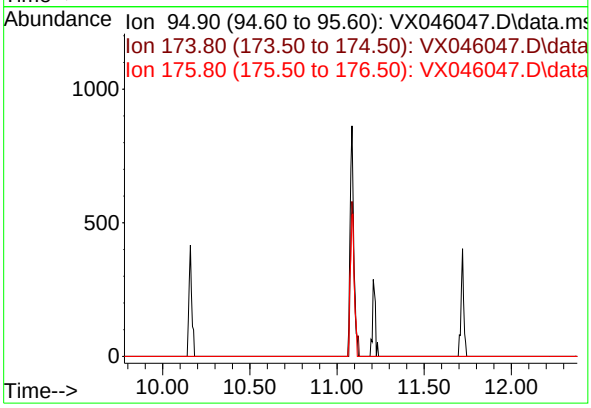
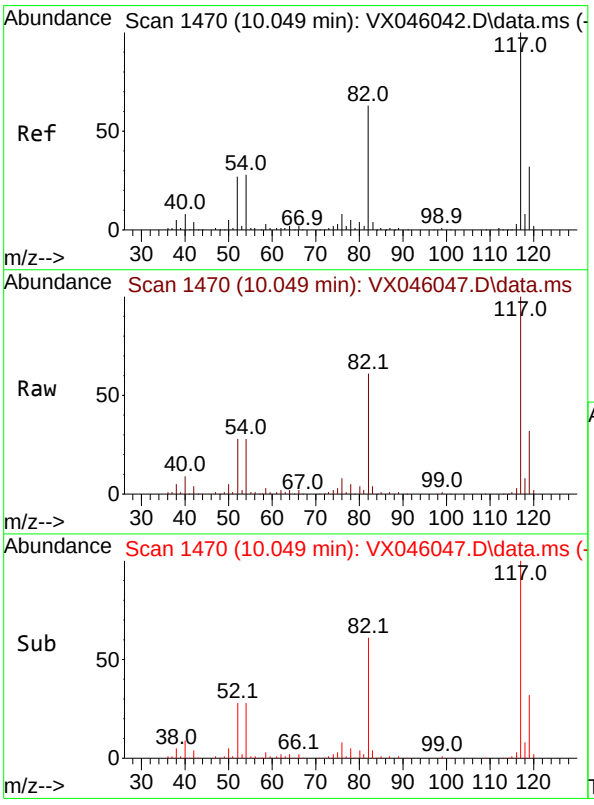
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

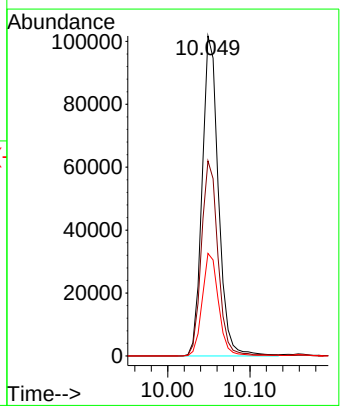


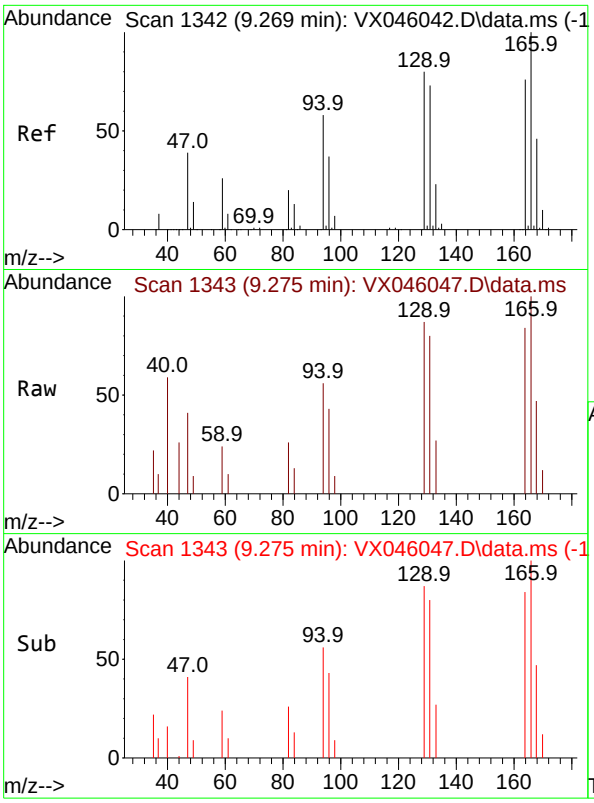


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 140108

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	32.1	25.8	38.6

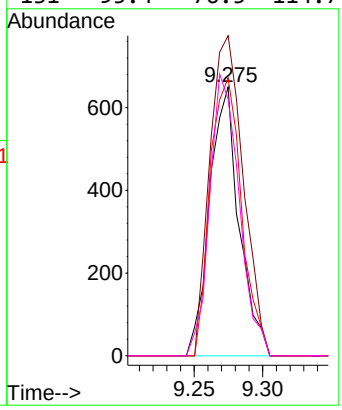




#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:164 Resp: 97

Ion	Ratio	Lower	Upper
164	100		
166	119.1	105.0	157.6
129	103.4	83.5	125.3
131	95.4	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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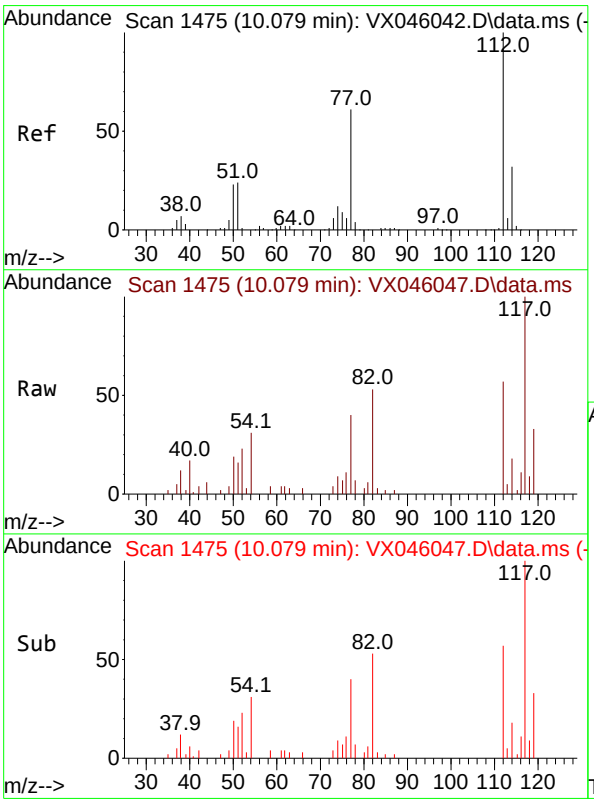
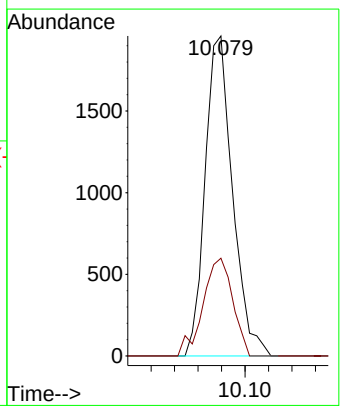
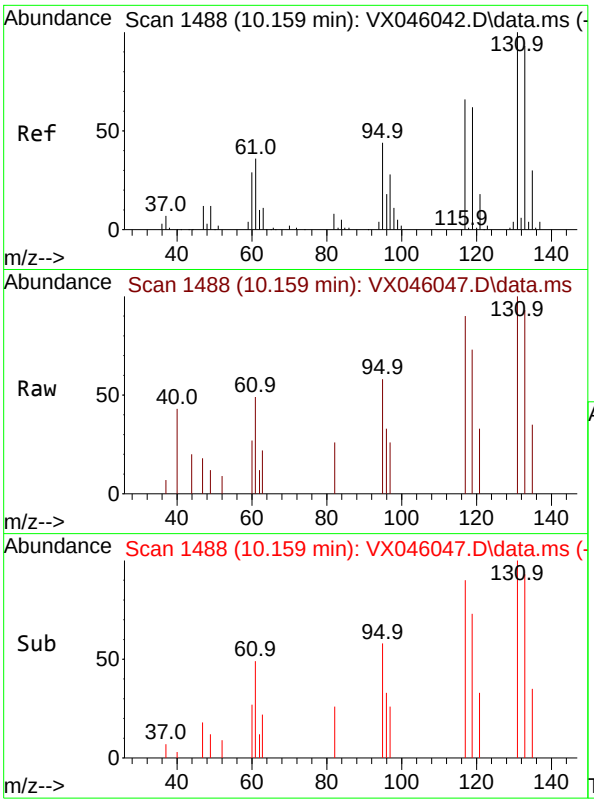


#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:112 Resp: 3170

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.4	38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:131 Resp: 103

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	0.0	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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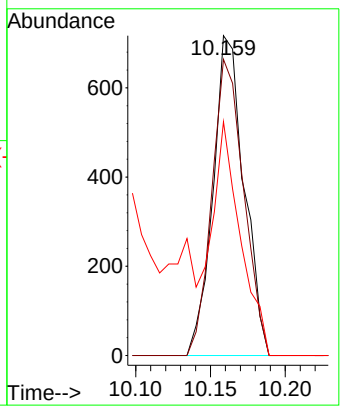
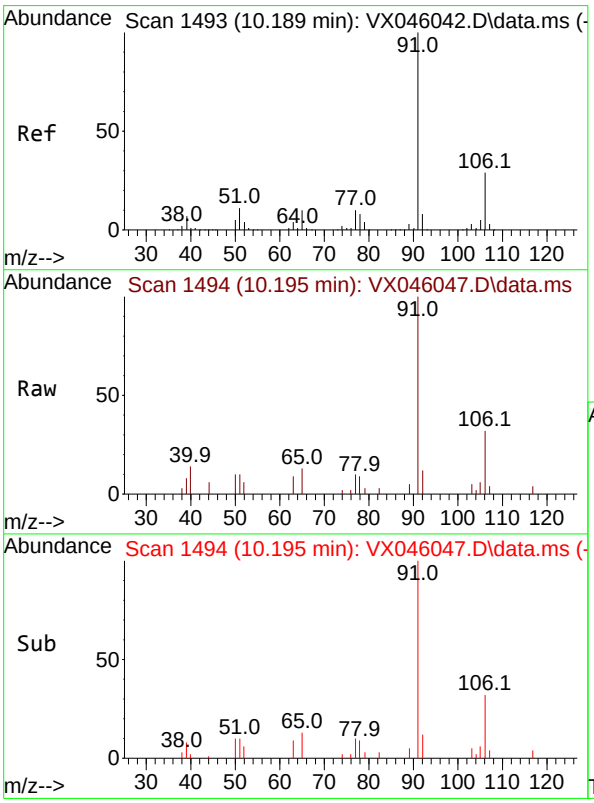
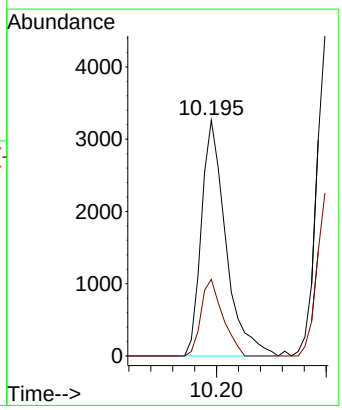


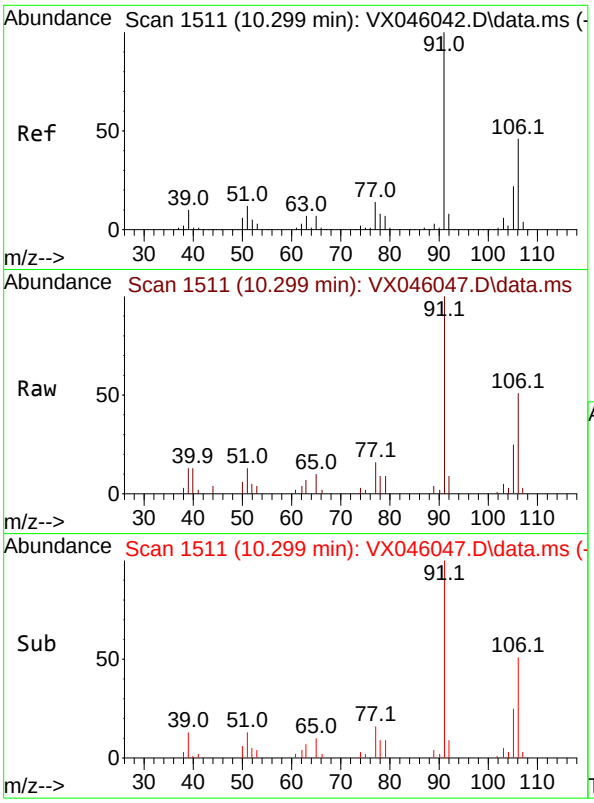


#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052

Ion	Ratio	Lower	Upper
91	100		
106	32.5	23.4	35.2





#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 363

Ion	Ratio	Lower	Upper
106	100		
91	209.8	171.2	256.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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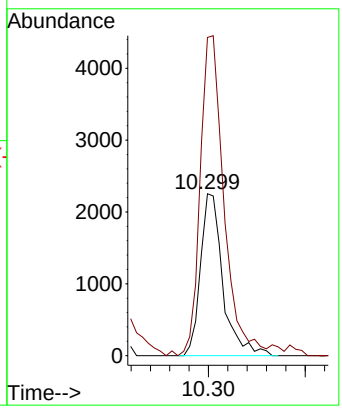
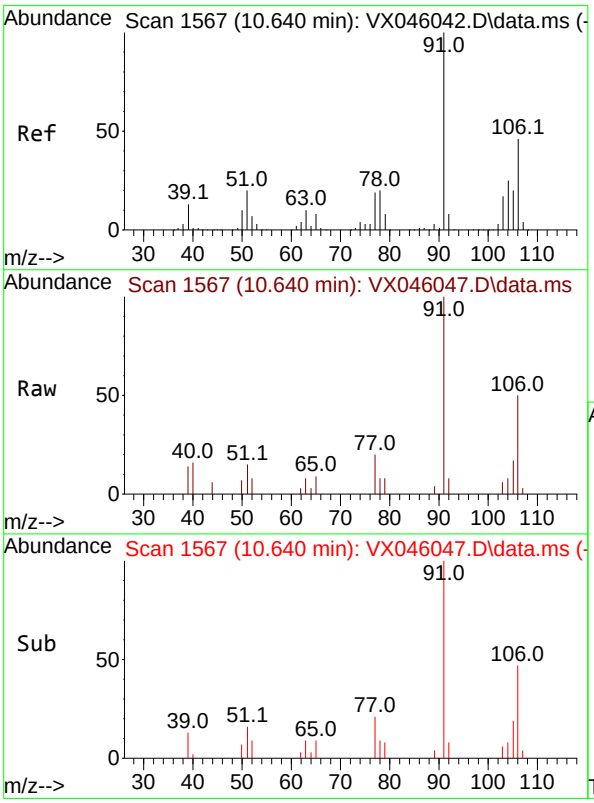
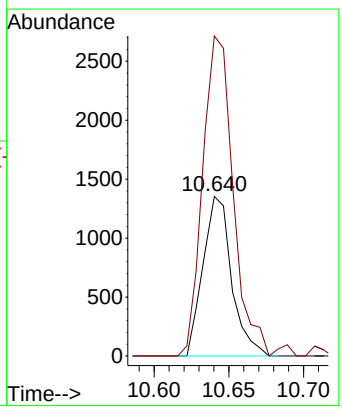


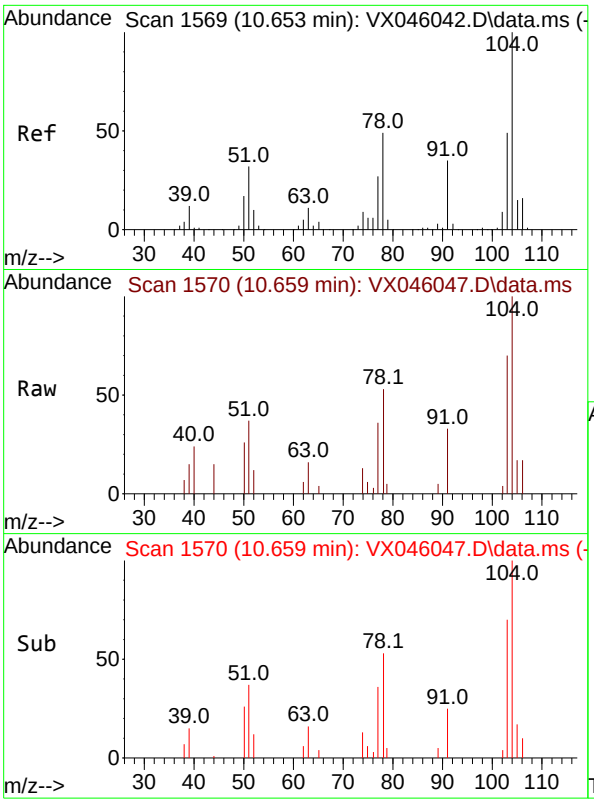


#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 1799

Ion	Ratio	Lower	Upper
106	100		
91	214.9	112.7	338.1

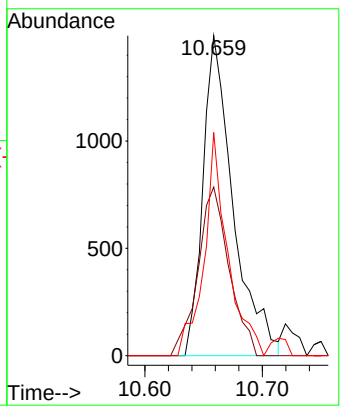




#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:104 Resp: 266

Ion	Ratio	Lower	Upper
104	100		
78	54.3	45.7	68.5
103	53.9	43.7	65.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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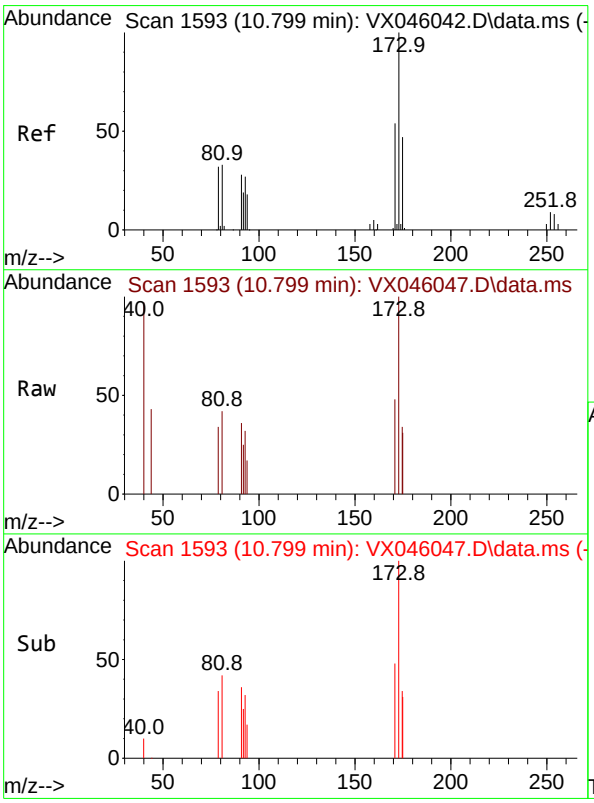
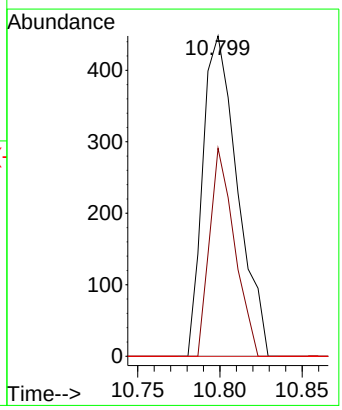
Supervised By :Mahesh Dadoda 05/06/2025

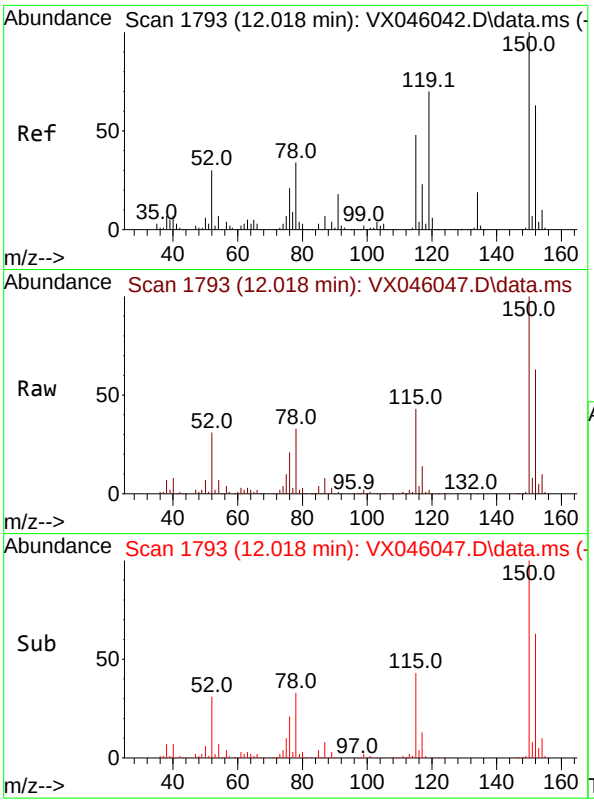


#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:173 Resp: 657

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.4	70.0
254	0.0	0.0	0.0

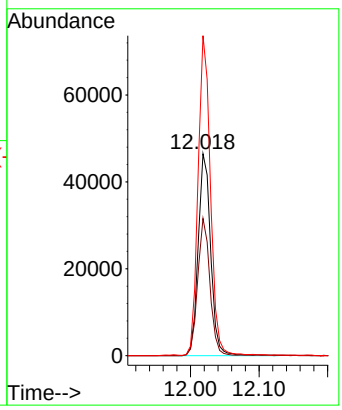




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:152 Resp: 5912

Ion	Ratio	Lower	Upper
152	100		
115	66.6	46.9	140.7
150	156.3	0.0	351.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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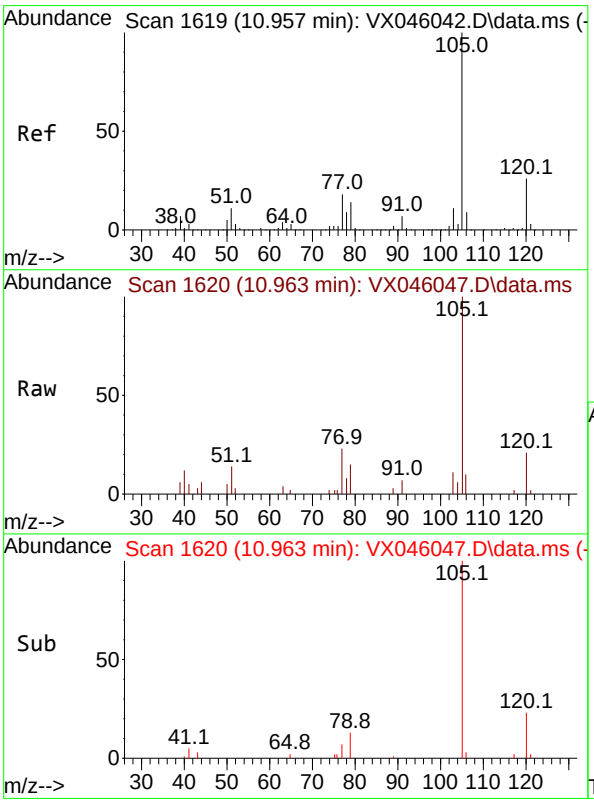
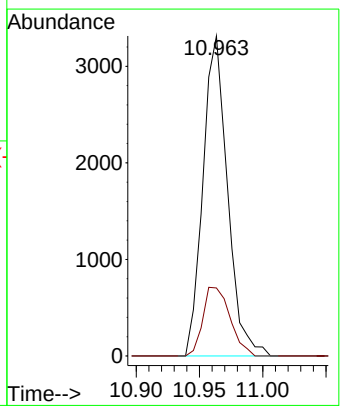
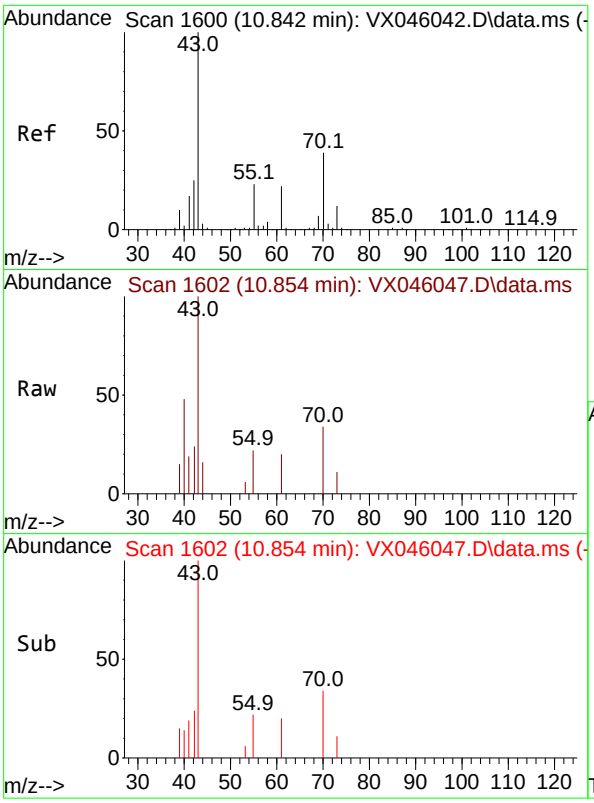


#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 4480

Ion	Ratio	Lower	Upper
105	100		
120	23.7	12.8	38.4

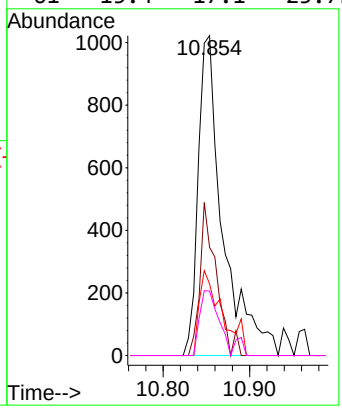




#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 202

Ion	Ratio	Lower	Upper
43	100		
70	31.5	30.9	46.3
55	24.5	18.7	28.1
61	15.4	17.1	25.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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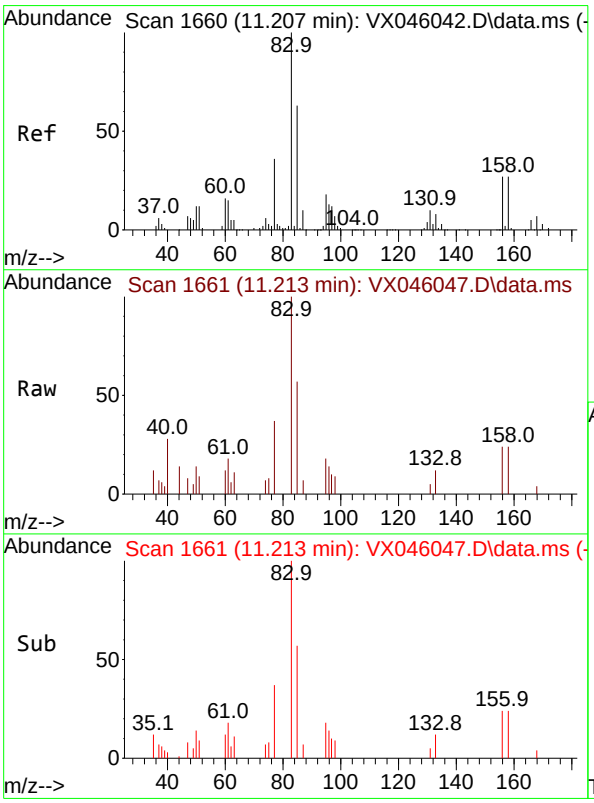
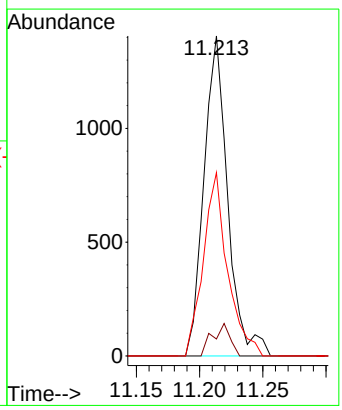
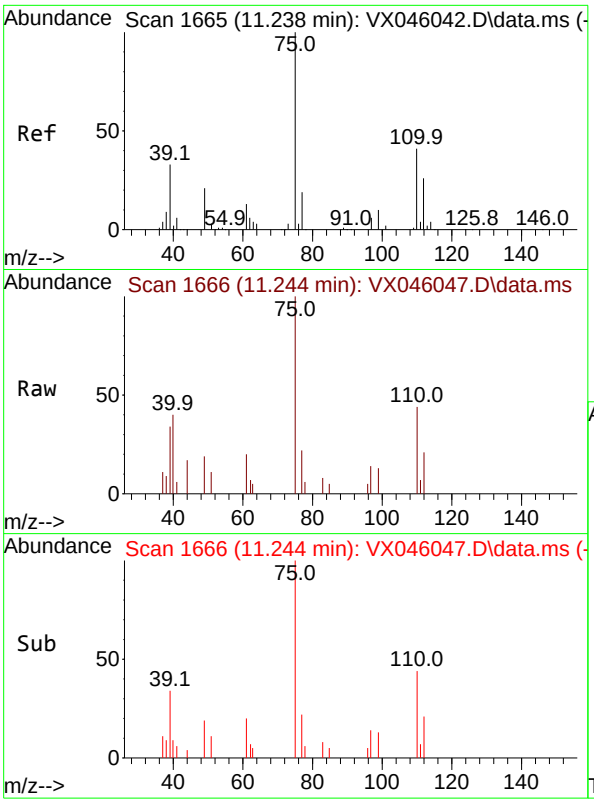


#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1835

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.0	14.9
85	58.7	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 0.674 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 166

Ion	Ratio	Lower	Upper
75	100		
77	29.7	20.5	61.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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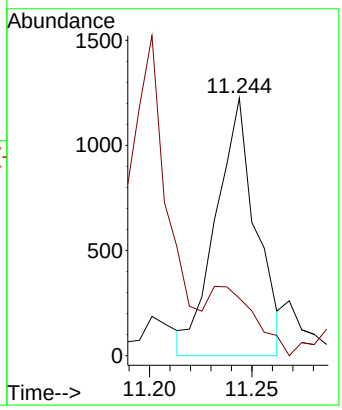
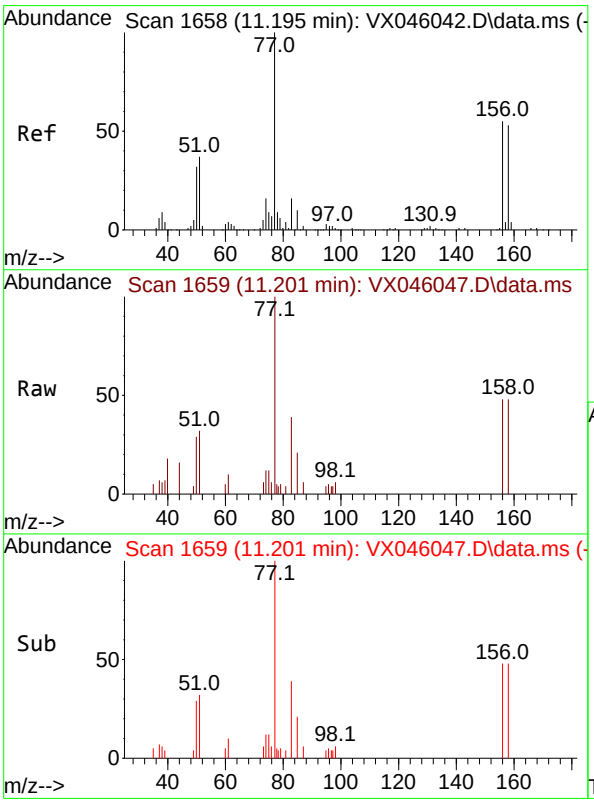
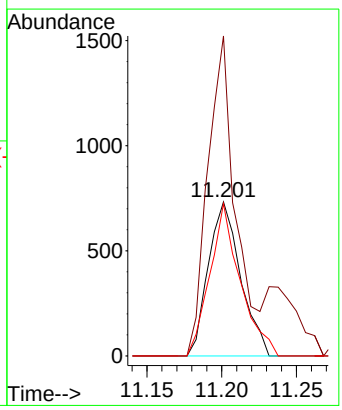


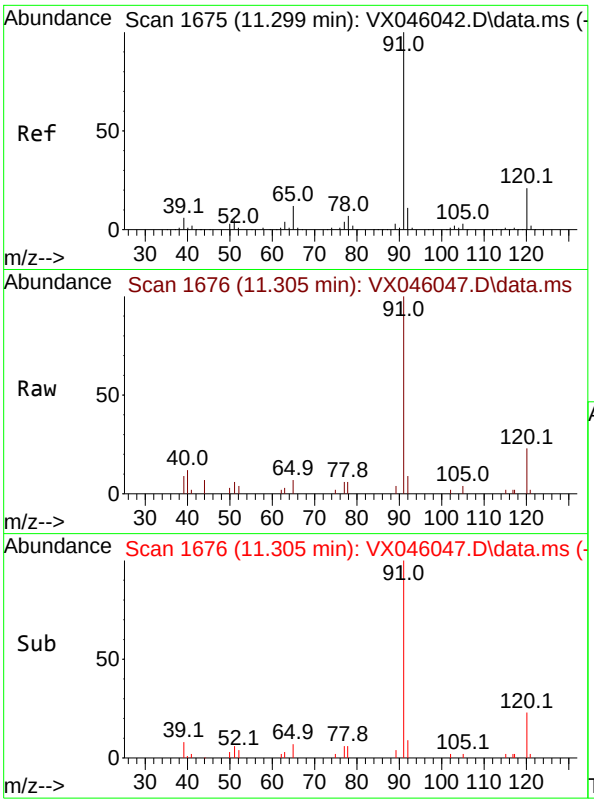


#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:156 Resp: 1095

Ion	Ratio	Lower	Upper
156	100		
77	179.5	92.8	278.3
158	93.5	48.8	146.3





#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 505

Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.8	32.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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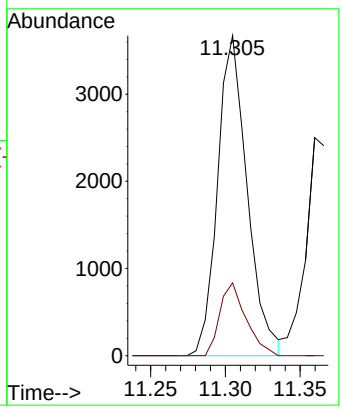
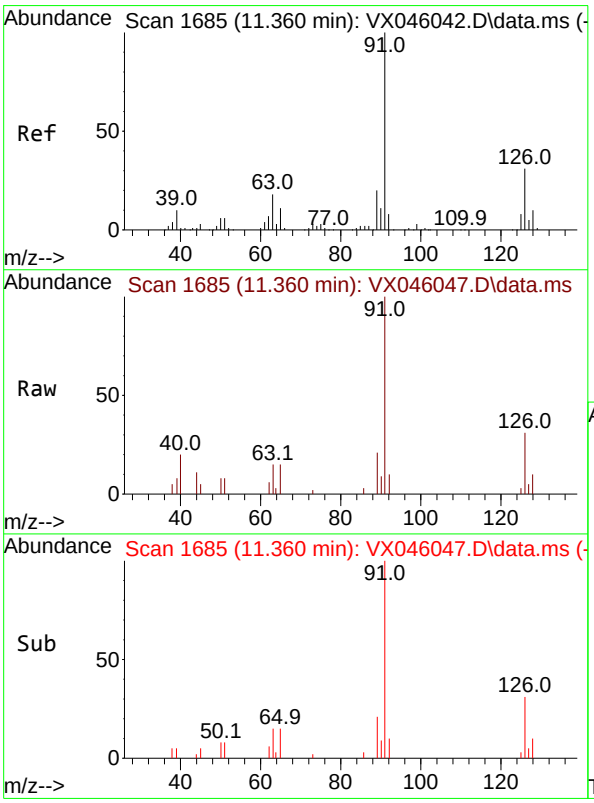
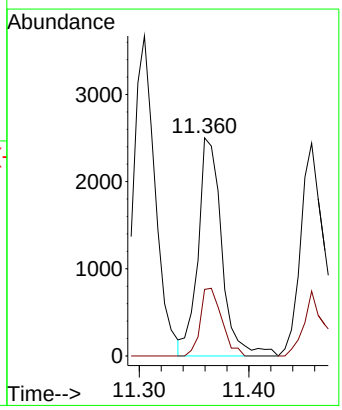


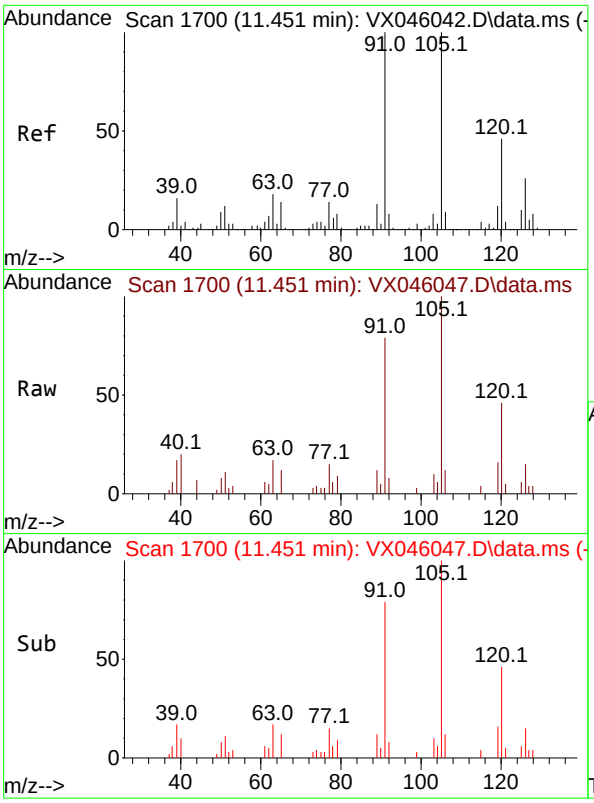


#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3765

Ion	Ratio	Lower	Upper
91	100		
126	28.0	15.6	46.7





#80
1,3,5-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

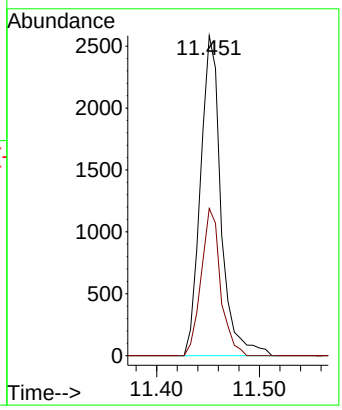
Tgt Ion:105 Resp: 359

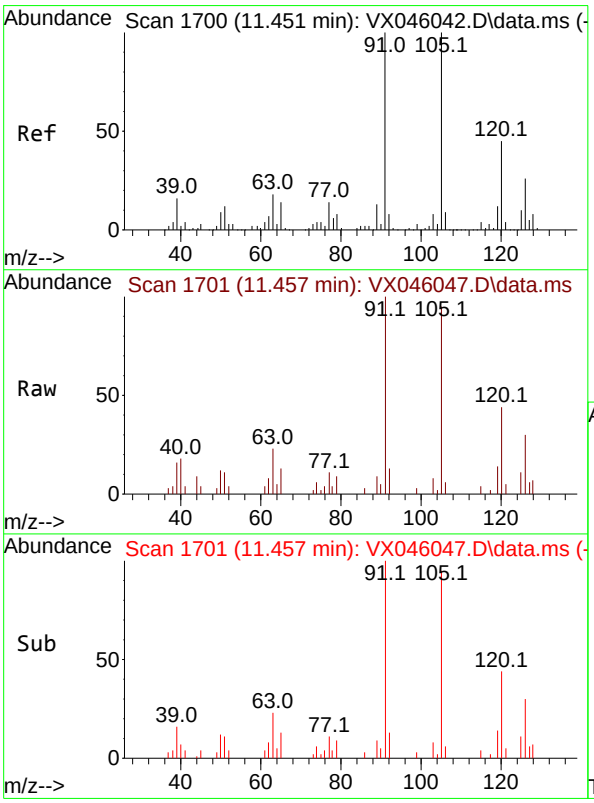
Ion	Ratio	Lower	Upper
105	100		
120	43.4	23.1	69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

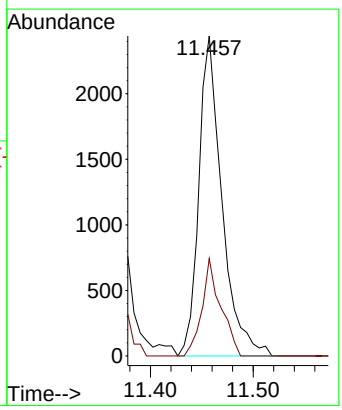


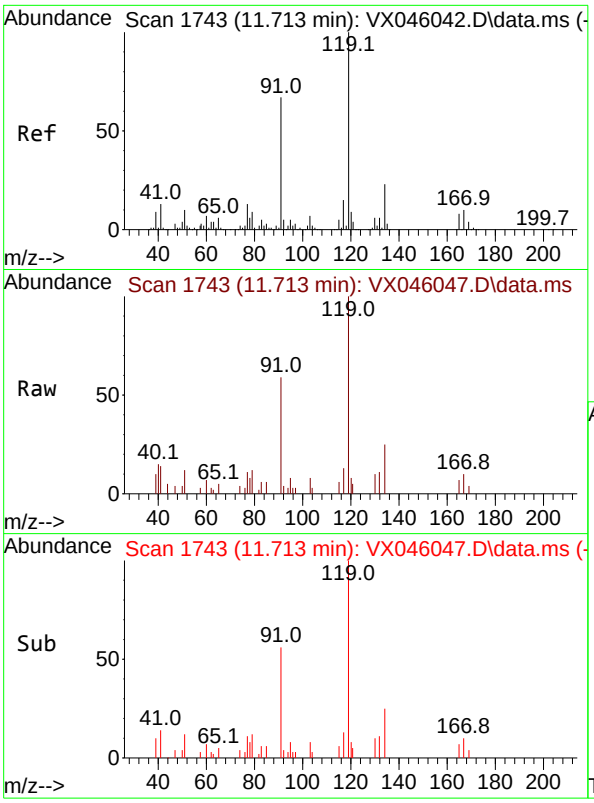


#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

Ion	Ratio	Lower	Upper
91	100		
126	24.8	13.3	39.8

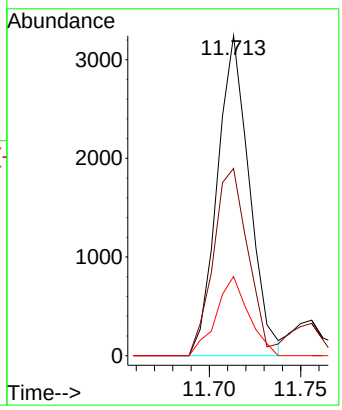




#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 395

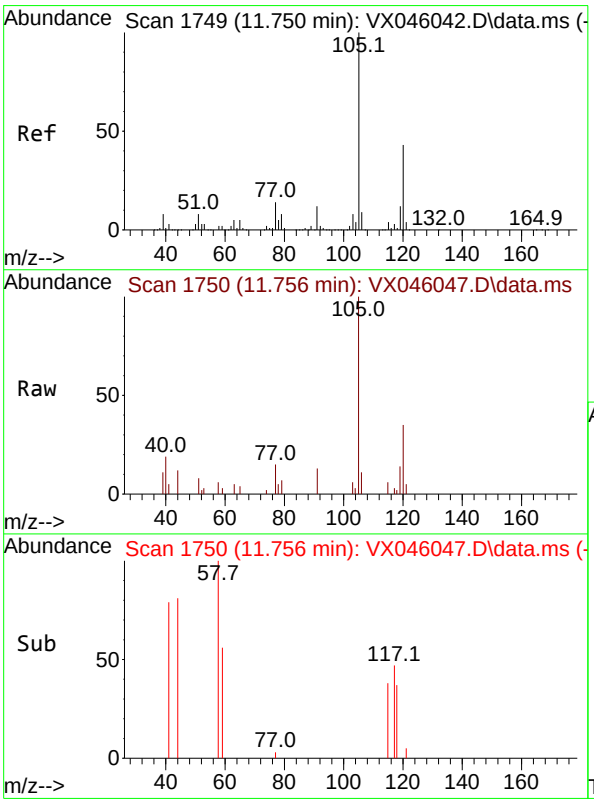
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	25.2	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

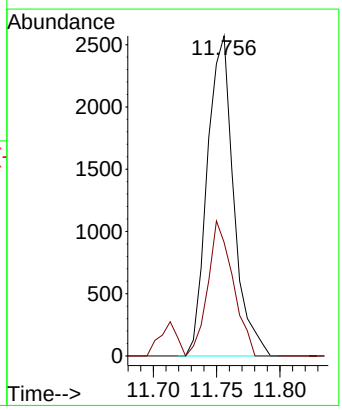
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

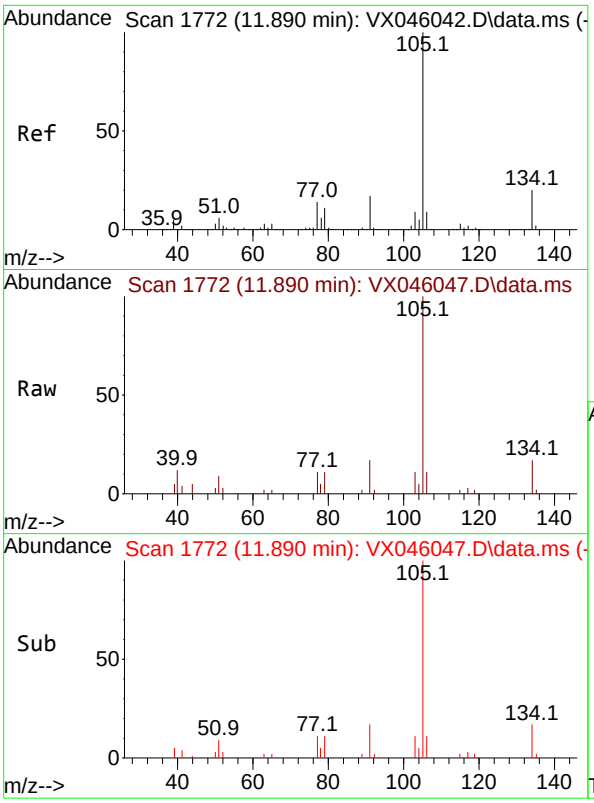


#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3725

Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.2	63.6





#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

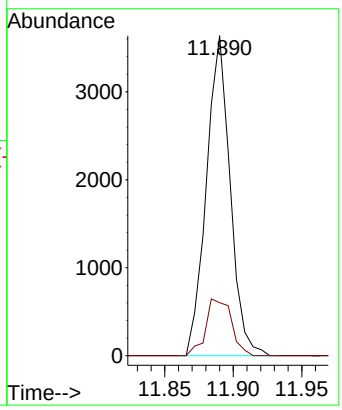
Tgt Ion:105 Resp: 438

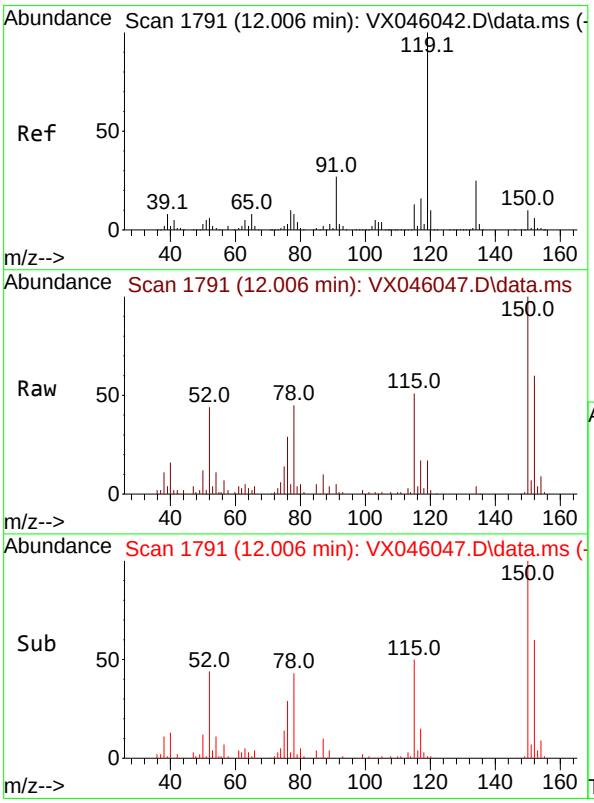
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

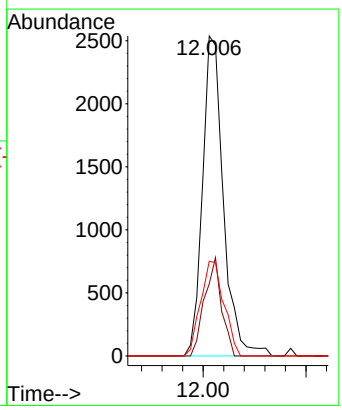


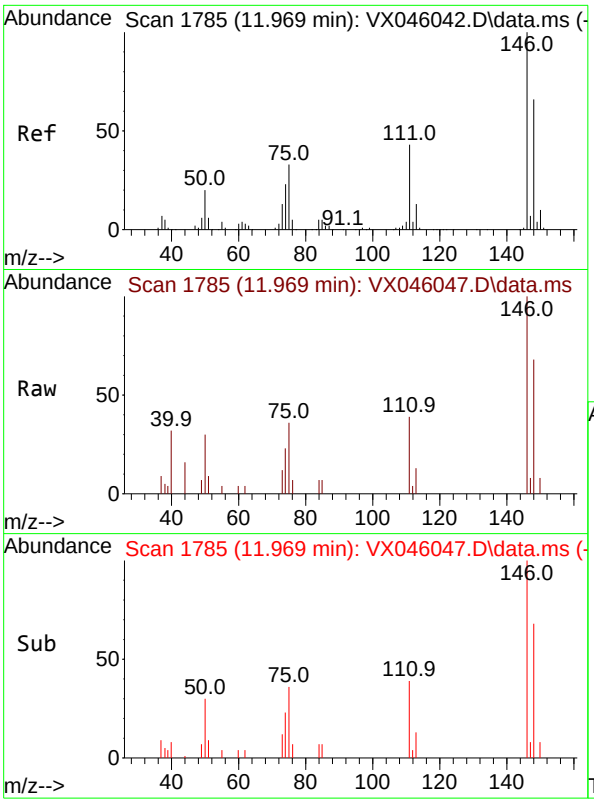


#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 3577

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	33.1	13.8	41.4

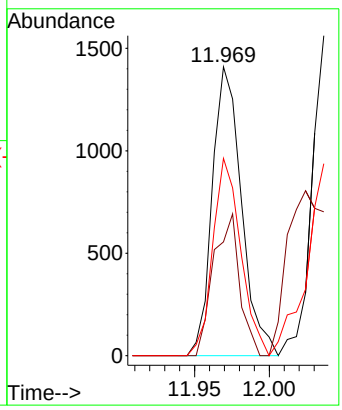




#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 191

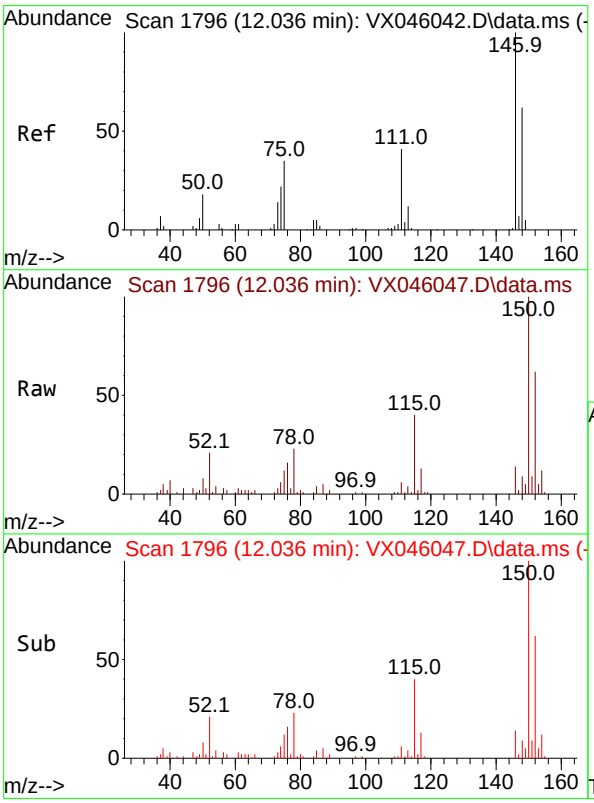
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	65.3	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

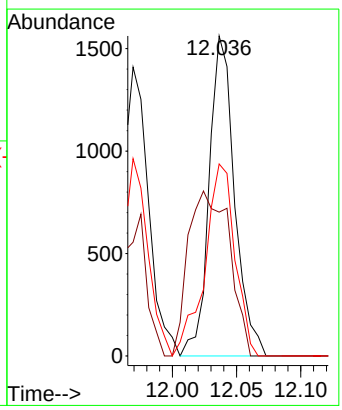
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

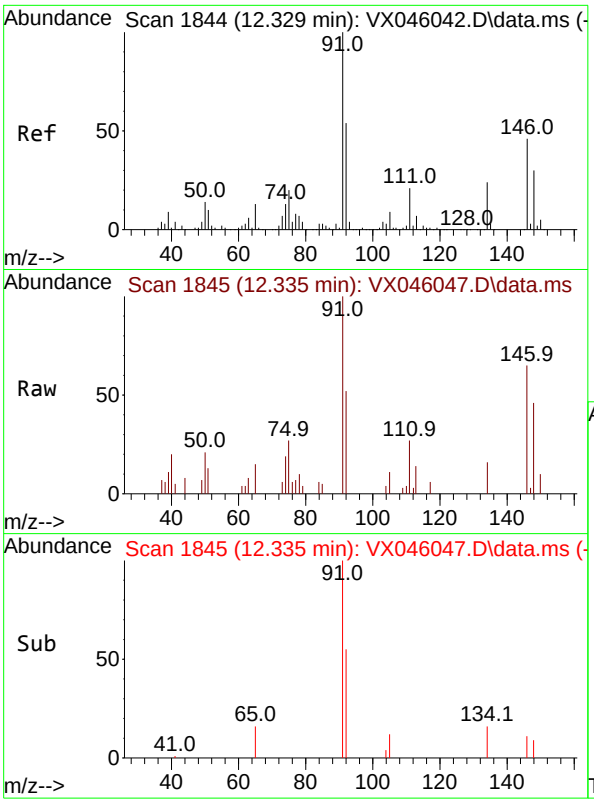


#88
1,4-Dichlorobenzene
Concen: 0.789 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 2149

Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.3	63.9
148	58.2	31.9	95.5

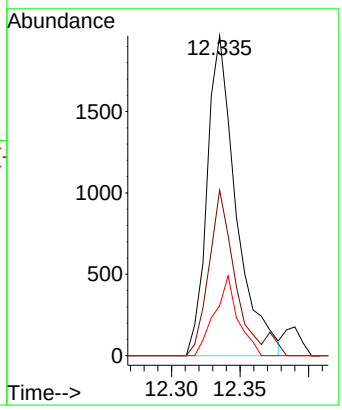




#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 288

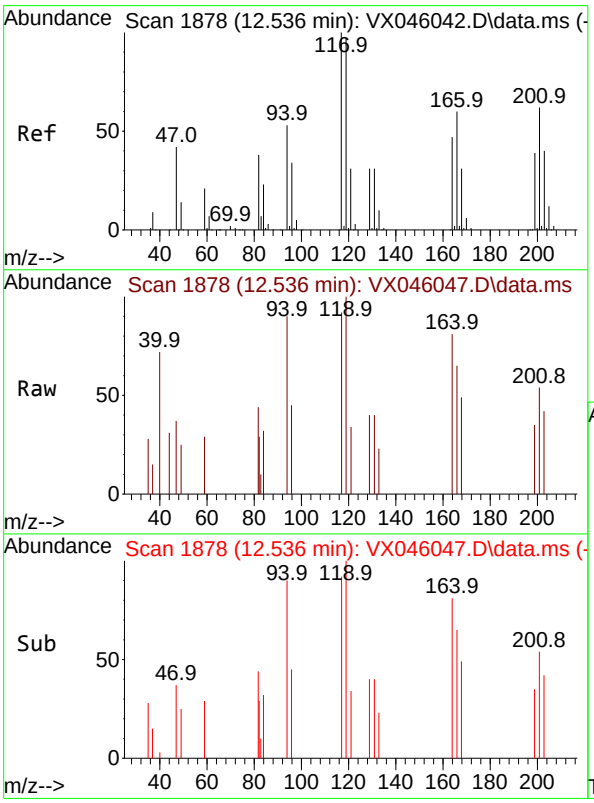
Ion	Ratio	Lower	Upper
91	100		
92	48.1	26.9	80.7
134	20.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

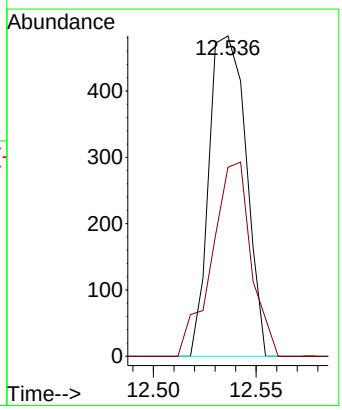
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

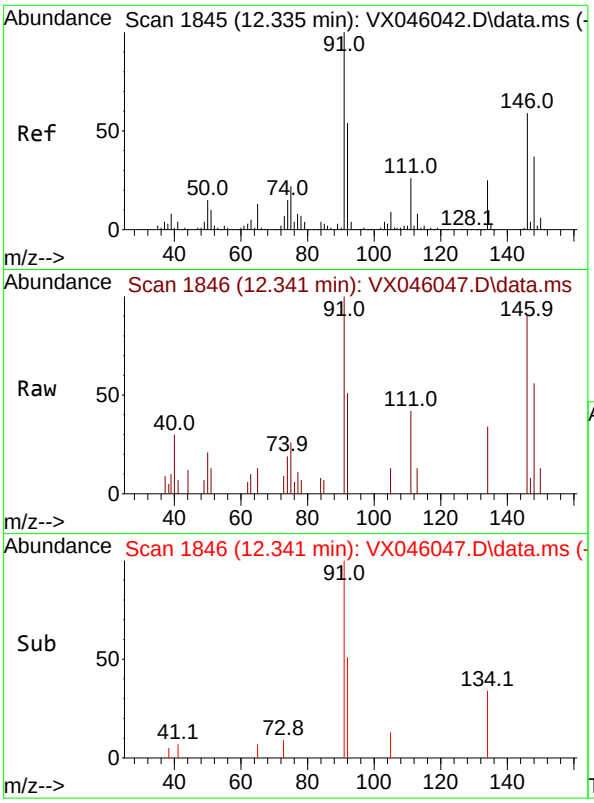


#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7

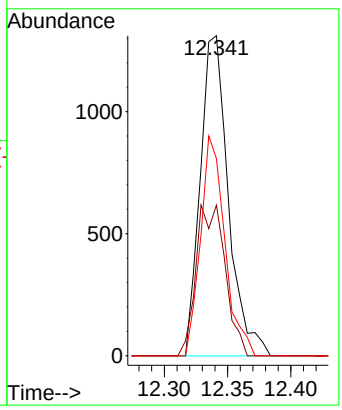




#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 202

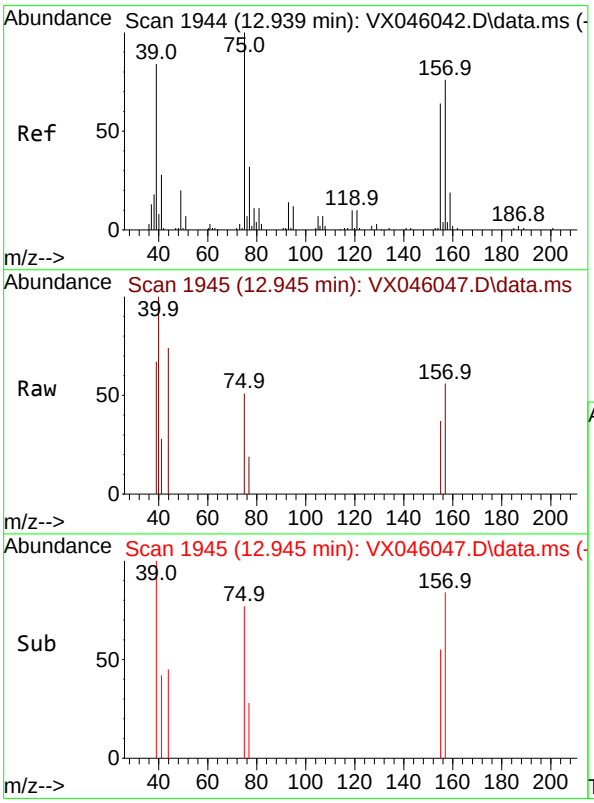
Ion	Ratio	Lower	Upper
146	100		
111	48.8	22.4	67.3
148	59.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

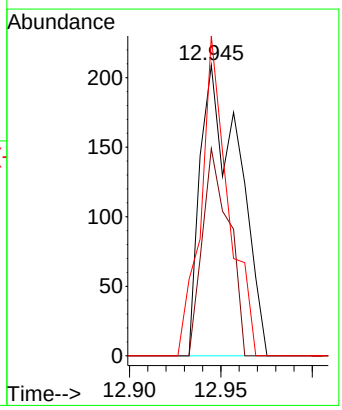
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

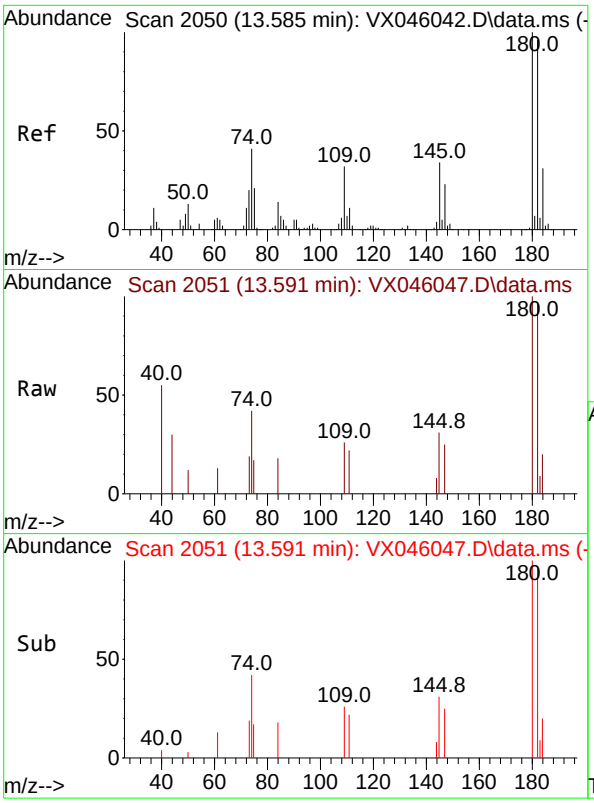


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 306

Ion	Ratio	Lower	Upper
75	100		
155	49.3	34.9	104.8
157	78.1	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

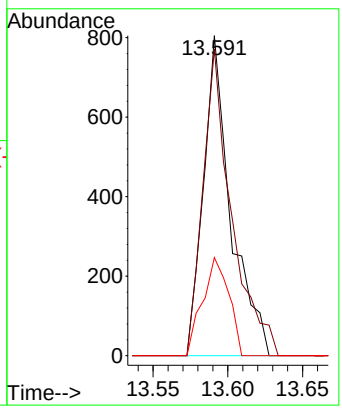
Tgt Ion:180 Resp: 101

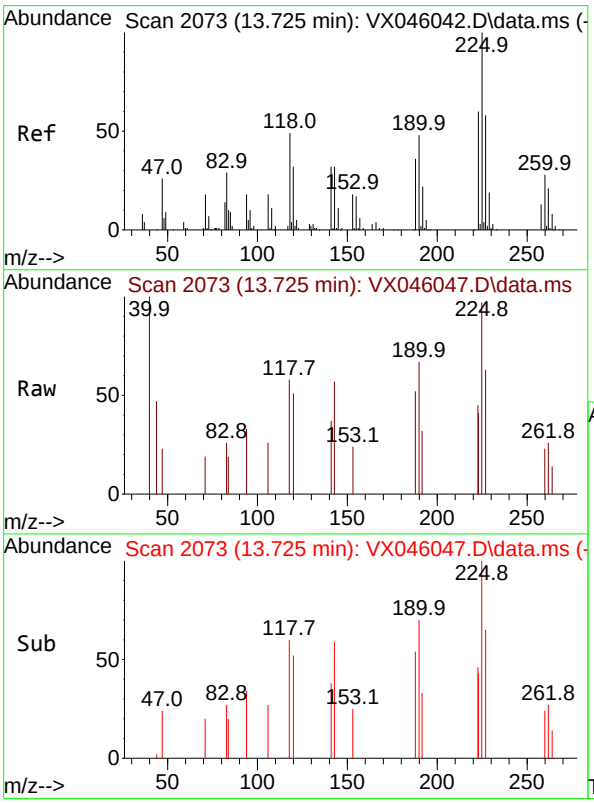
Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.9	143.8
145	29.5	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

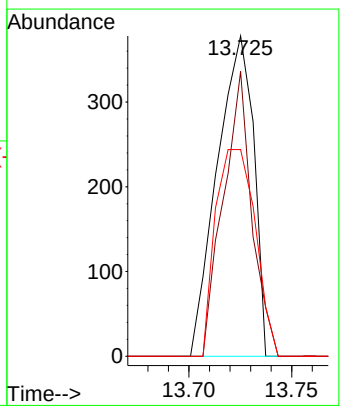


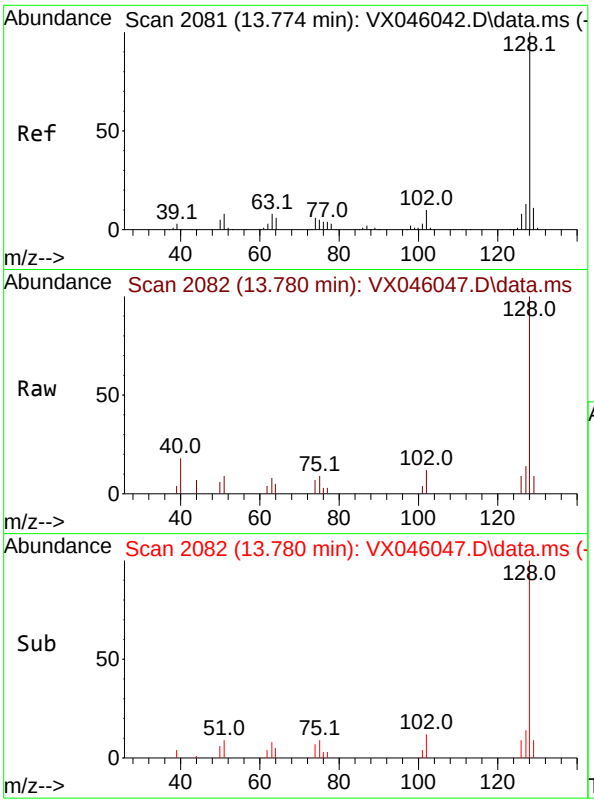


#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:225 Resp: 465

Ion	Ratio	Lower	Upper
225	100		
223	69.7	30.8	92.4
227	70.5	30.9	92.7

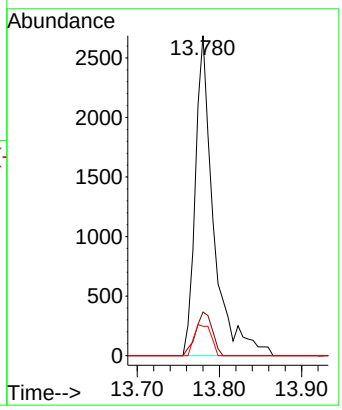




#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:128 Resp: 413

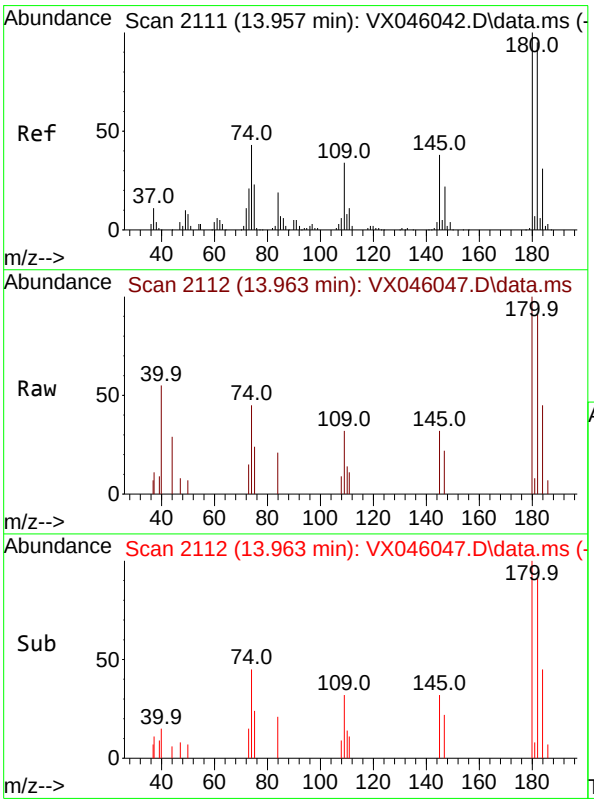
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	8.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

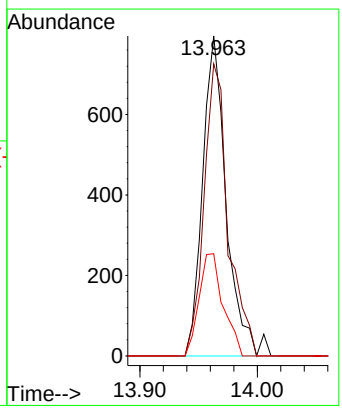
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 1113

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	32.5	18.1	54.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.960%			
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l		100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l		98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l		99
44) Trichloroethene	7.123	130	55491	50.018	ug/l		100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l		98
46) Dibromomethane	7.580	93	45181	49.978	ug/l		99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l		100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l		98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l		100
52) Toluene	8.714	92	144574	51.150	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l		96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l		99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l		99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l		100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l		98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l		98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l		100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l		100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l		99
69) o-Xylene	10.640	106	101469	50.841	ug/l		99
70) Styrene	10.653	104	169703	51.907	ug/l		99
71) Bromoform	10.799	173	40364	49.583	ug/l	#	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l		100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l		
77) Bromobenzene	11.195	156	59871	48.549	ug/l		98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l		100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l		98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l		100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l		100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l		99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l		99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l		100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l		100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l		98
95) Naphthalene	13.774	128	239805	50.404	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

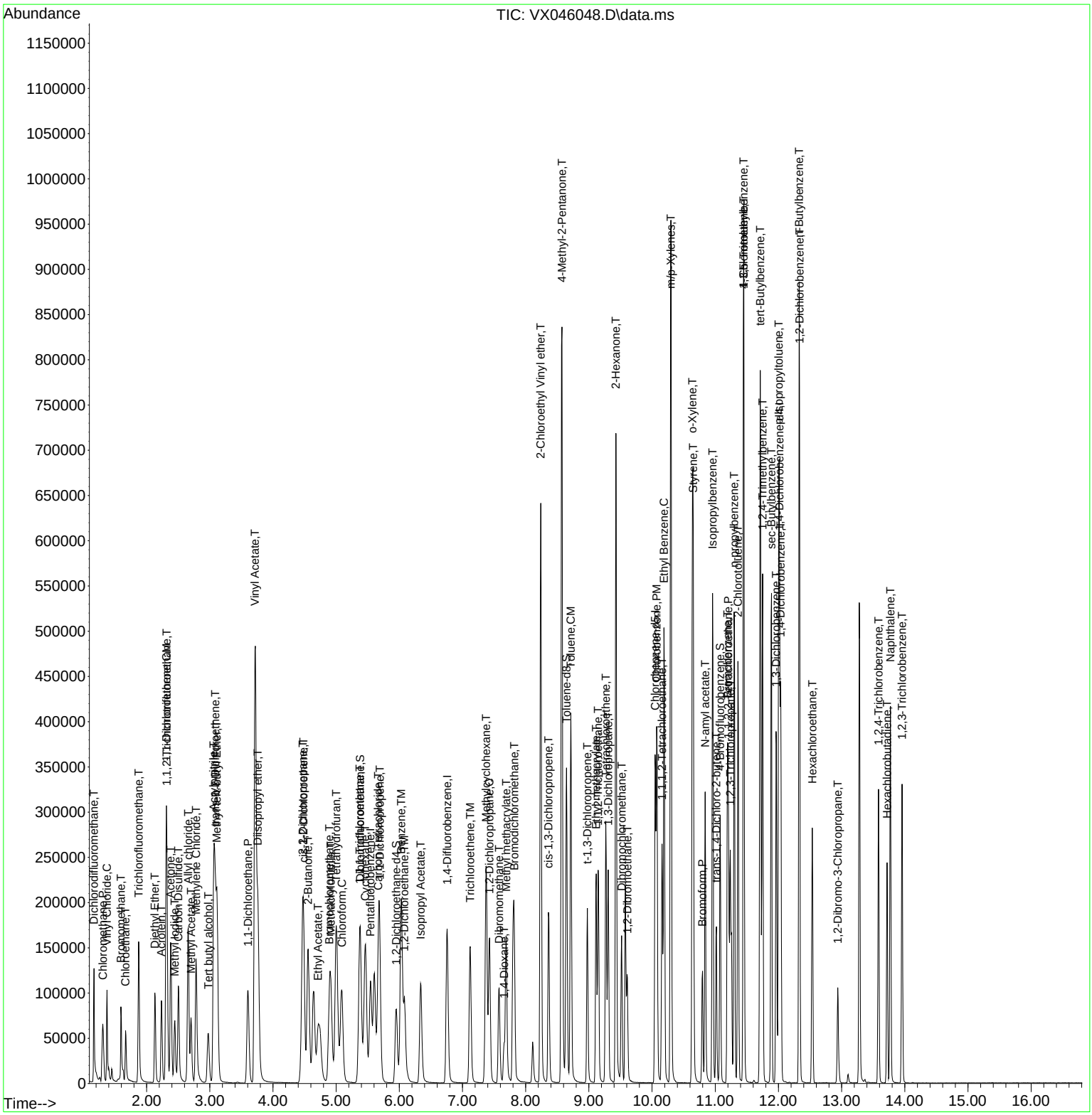
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

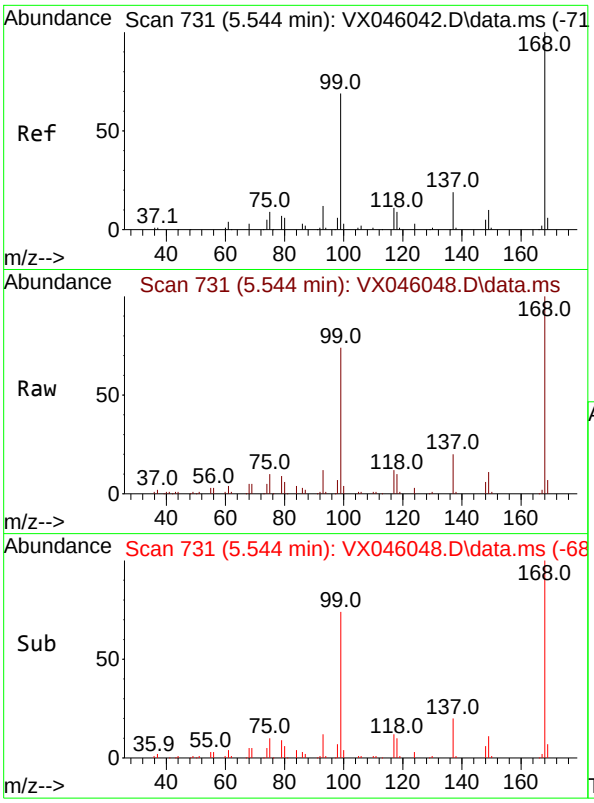
Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

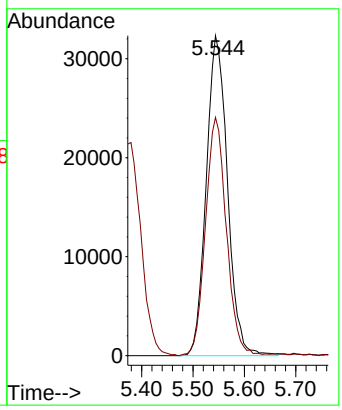




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:168 Resp: 9258

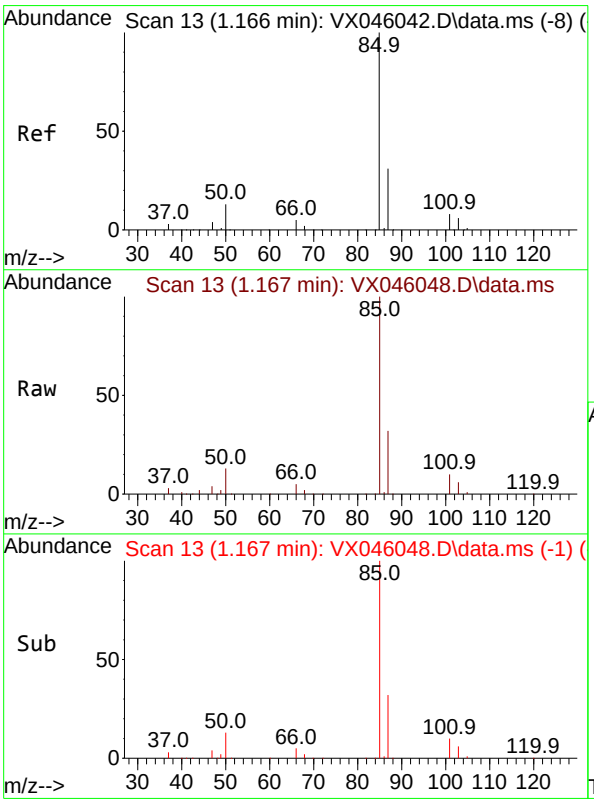
Ion	Ratio	Lower	Upper
168	100		
99	74.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

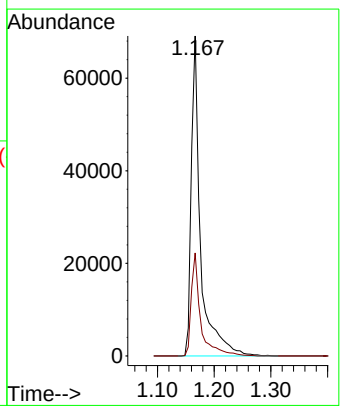
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

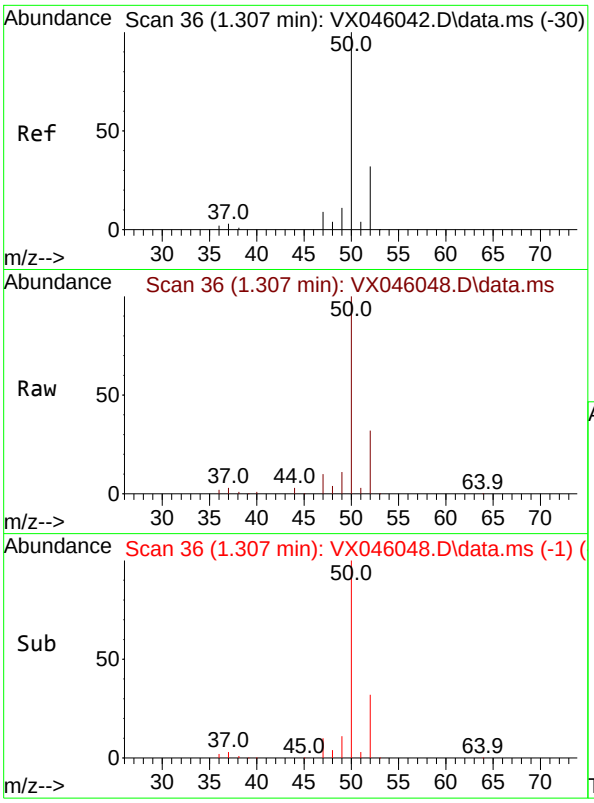


#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1

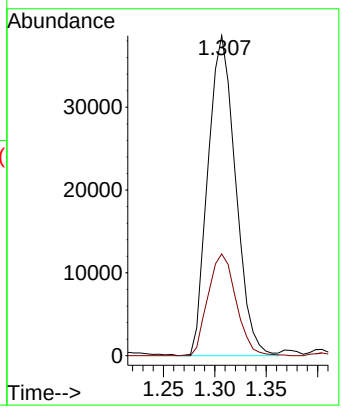




#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 50 Resp: 7227

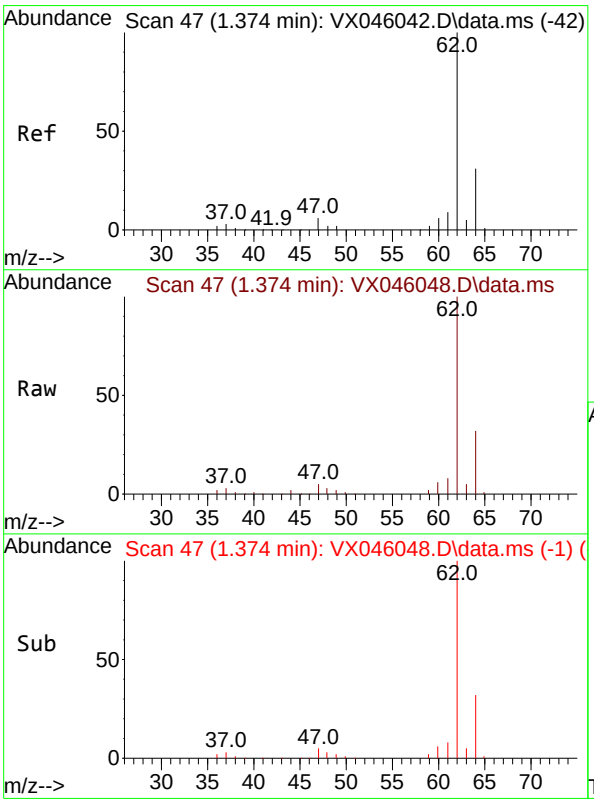
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

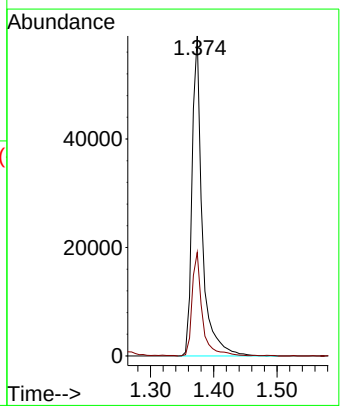
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

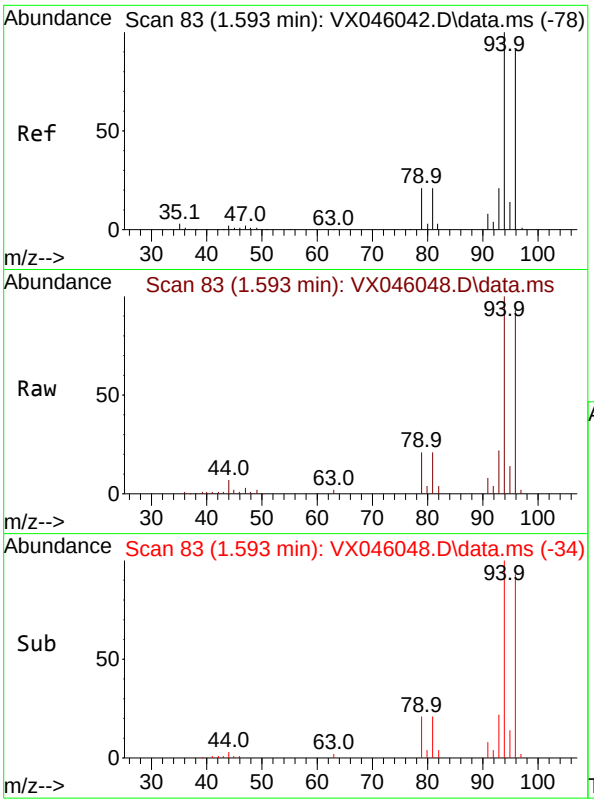


#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 65994

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8





#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

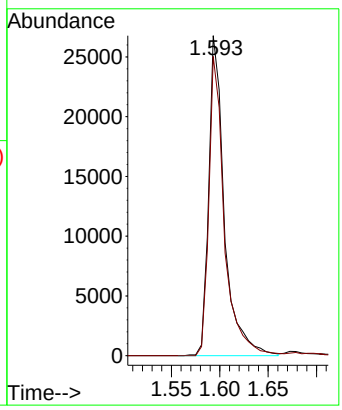
Tgt Ion: 94 Resp: 3003

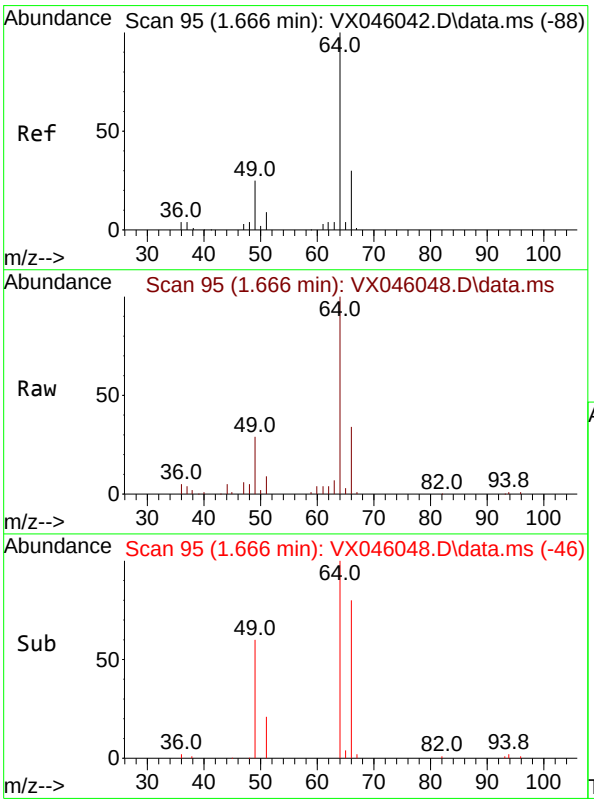
Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

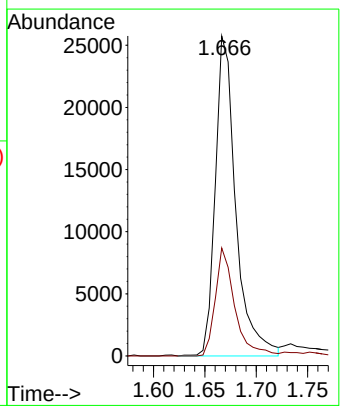


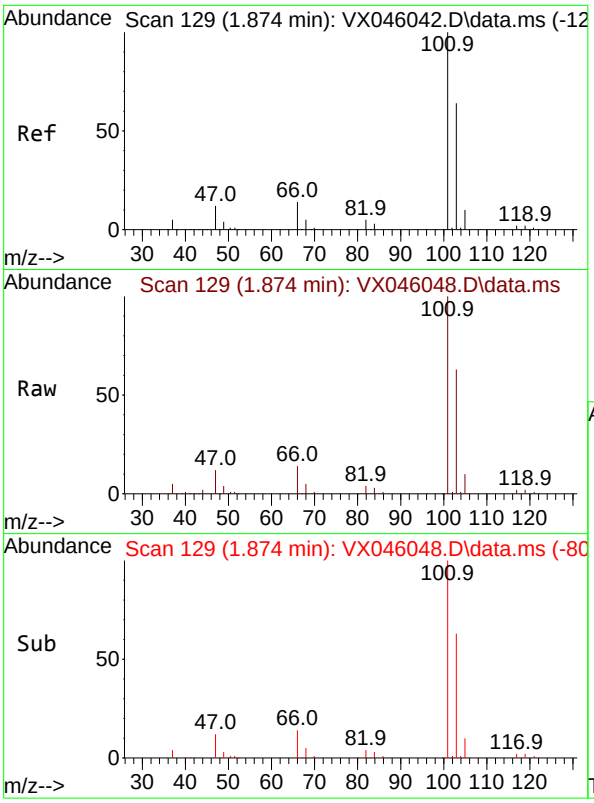


#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

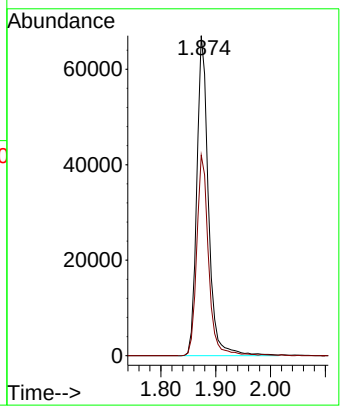




#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:101 Resp: 9935

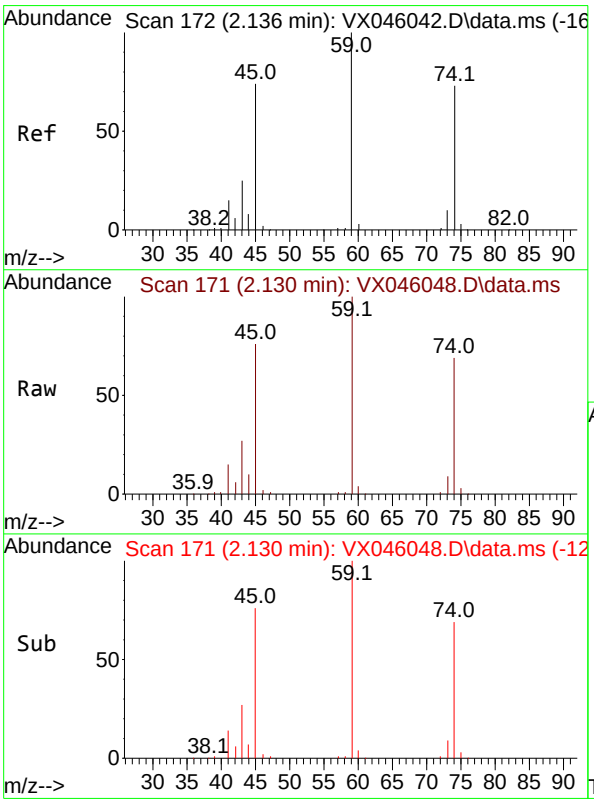
Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

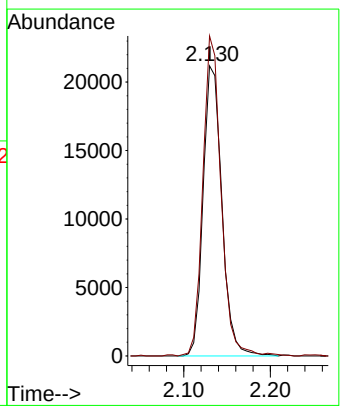
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

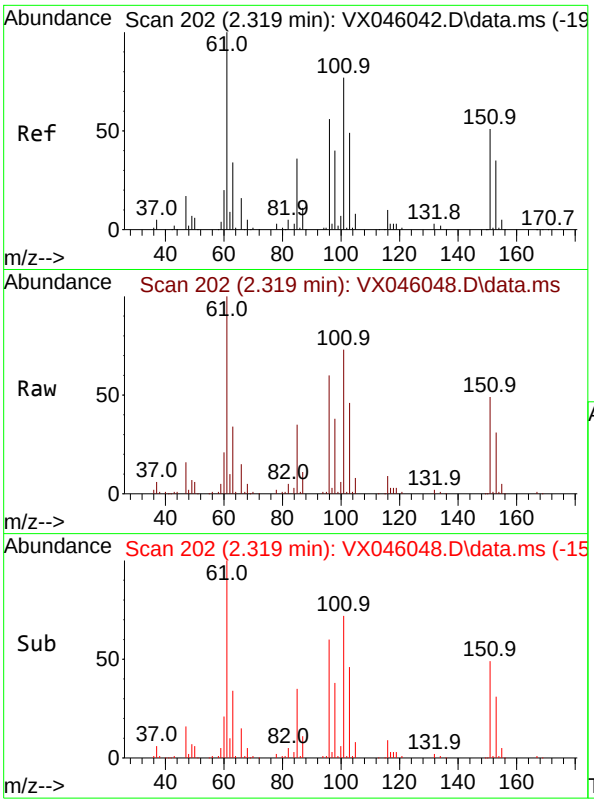


#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875

Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

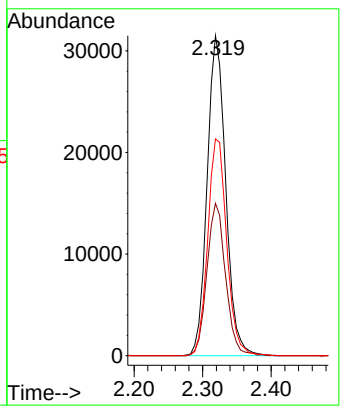
Tgt Ion:101 Resp: 5945

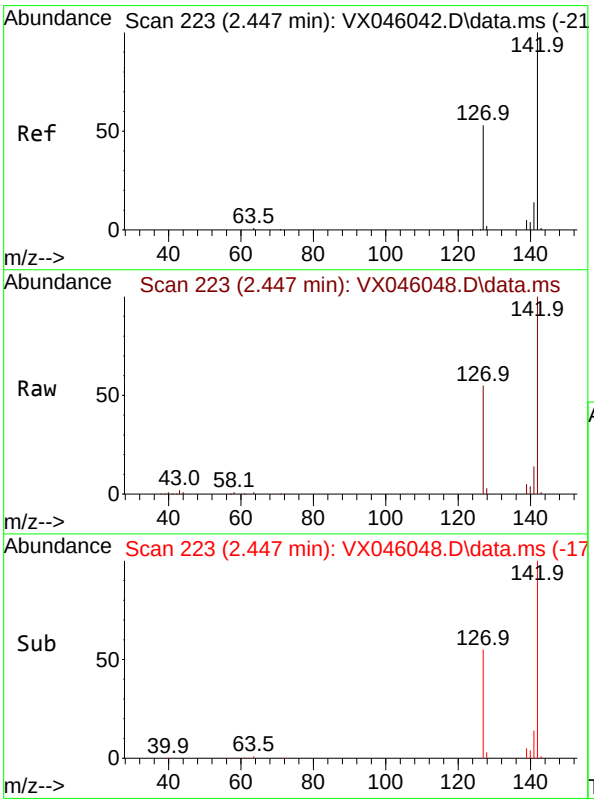
Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.6	58.0
151	69.4	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

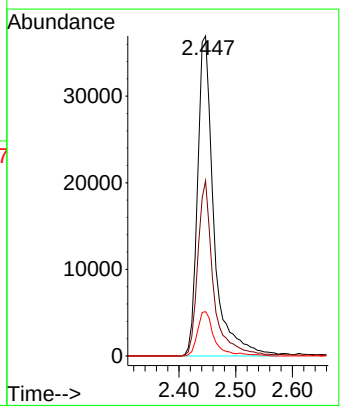


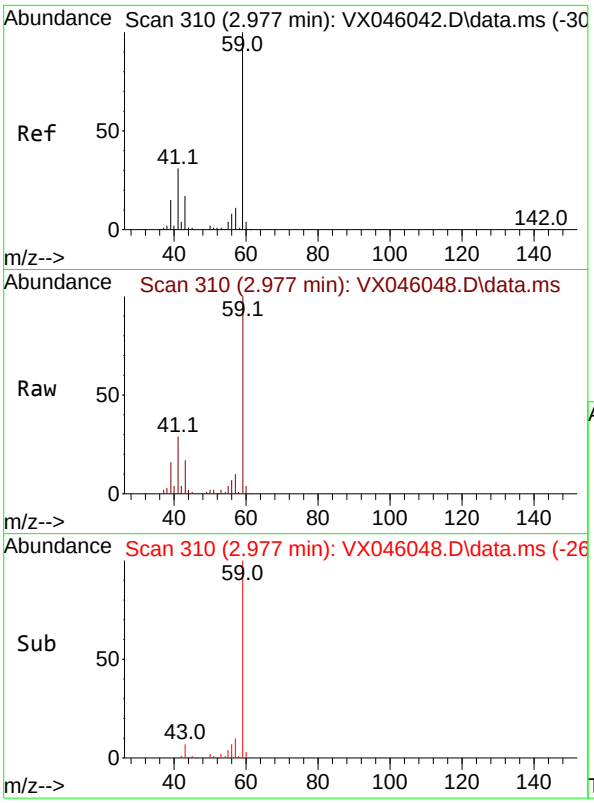


#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:142 Resp: 73940

Ion	Ratio	Lower	Upper
142	100		
127	52.9	41.7	62.5
141	14.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 252.025 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

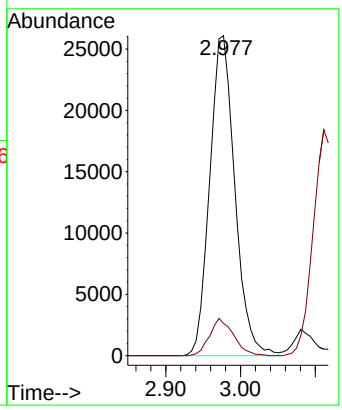
Tgt Ion: 59 Resp: 6106

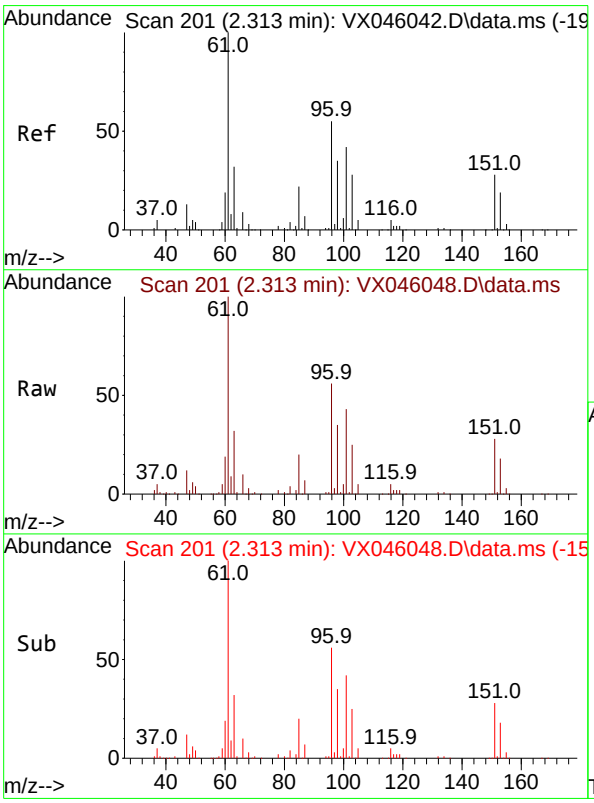
Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

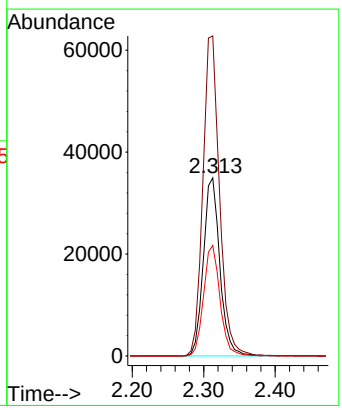


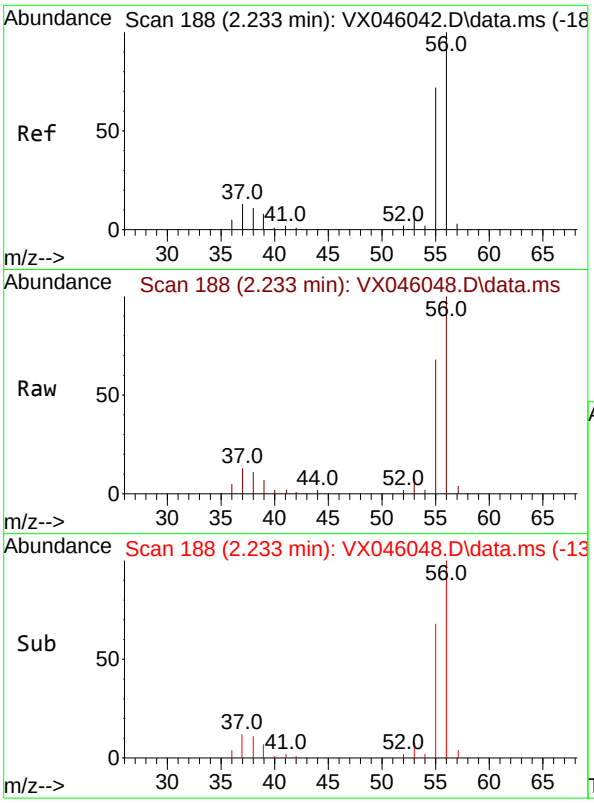


#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 56097

Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	62.1	51.0	76.6

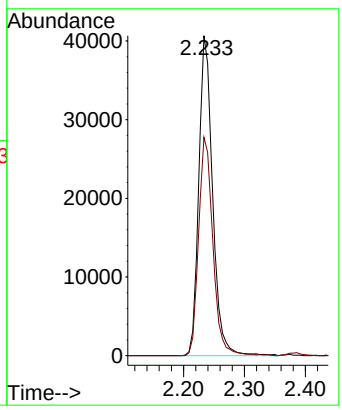




#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 6415

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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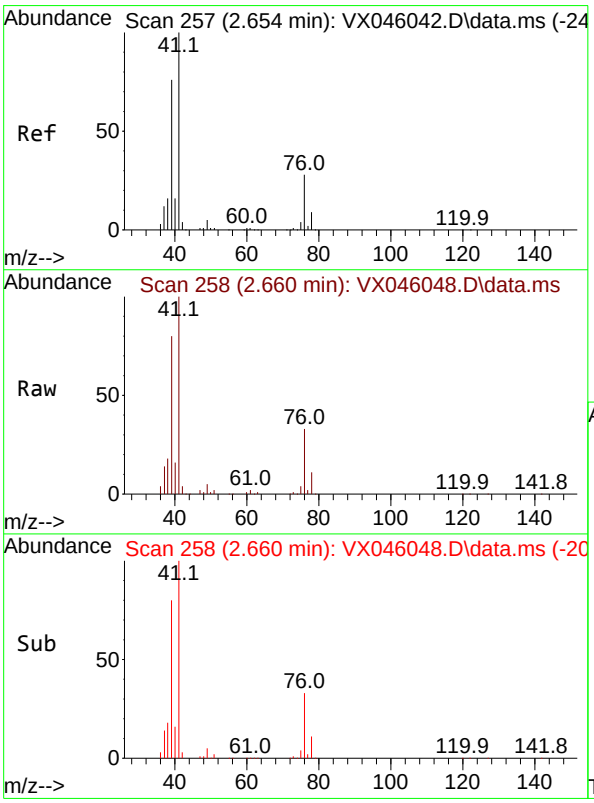
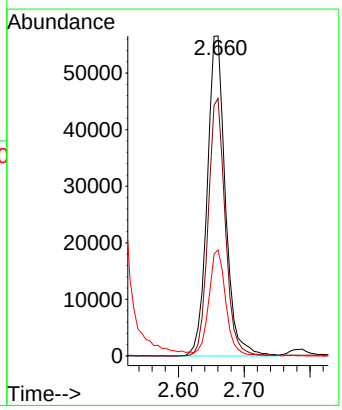
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

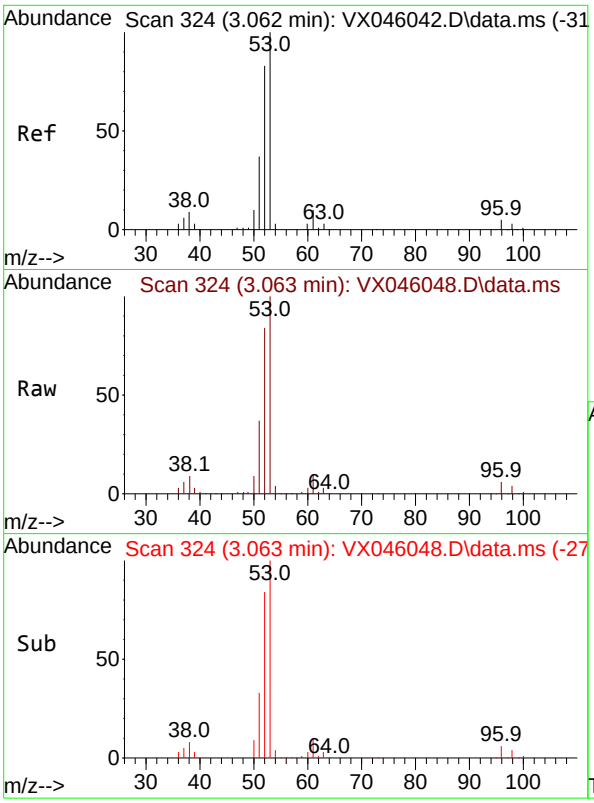


#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 108757

Ion	Ratio	Lower	Upper
41	100		
39	75.6	60.6	90.8
76	31.1	24.9	37.3

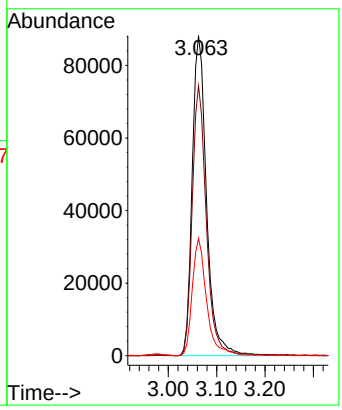




#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 53 Resp: 18180

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	36.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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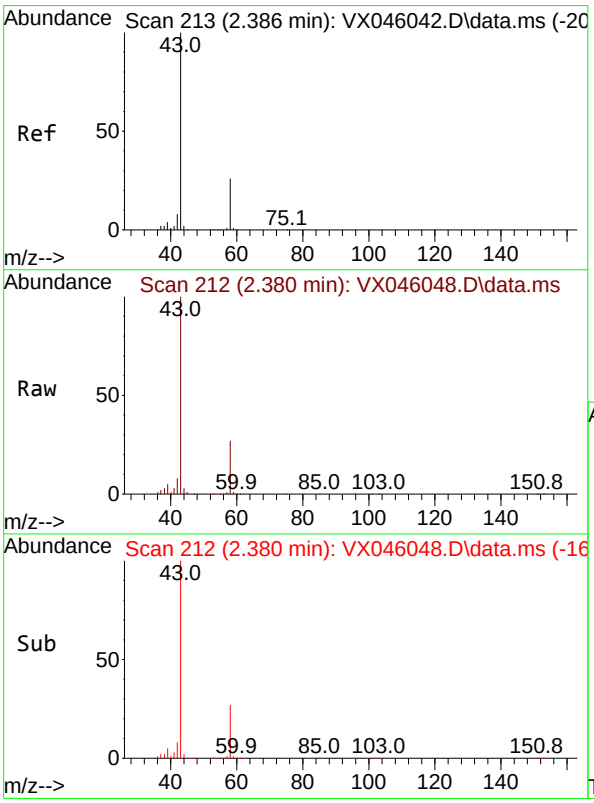
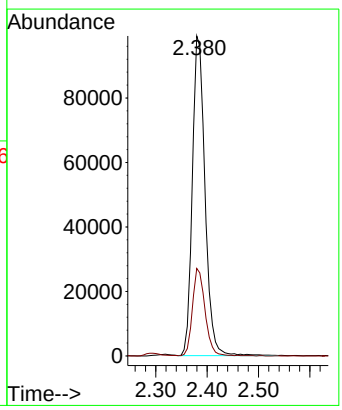
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

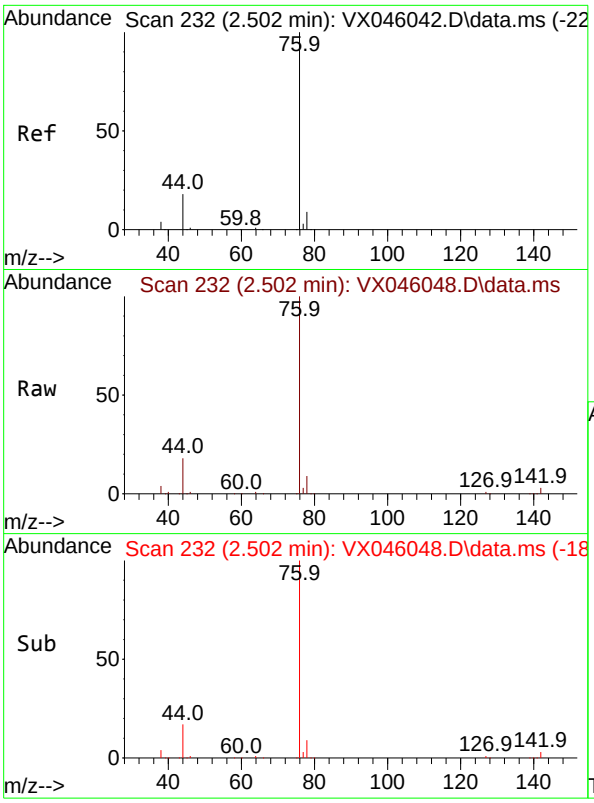


#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8

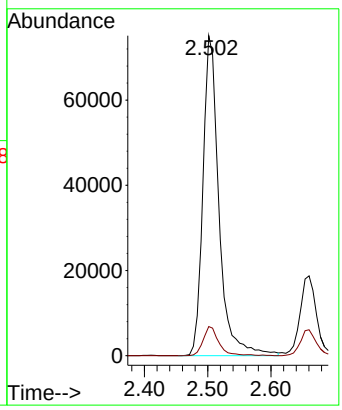




#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 13269

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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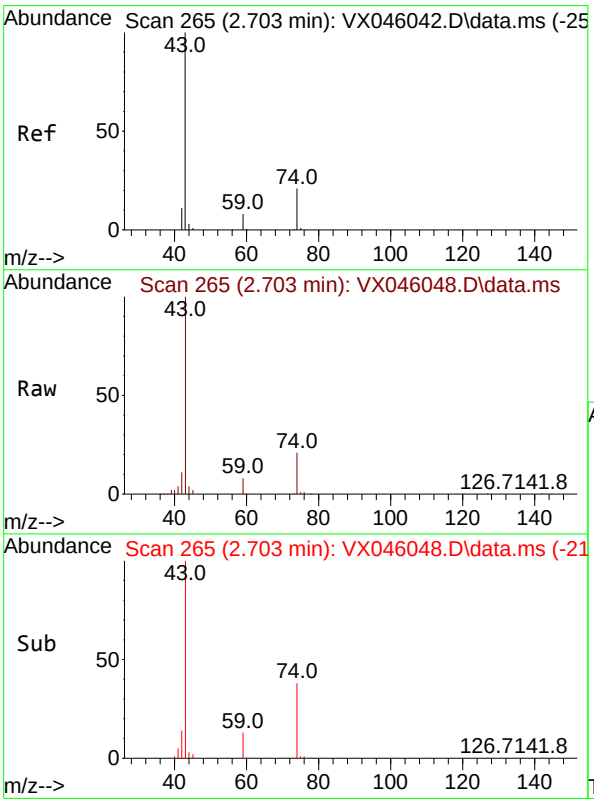
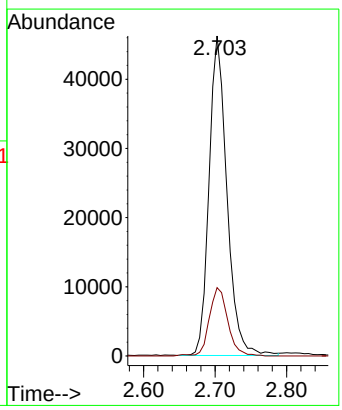
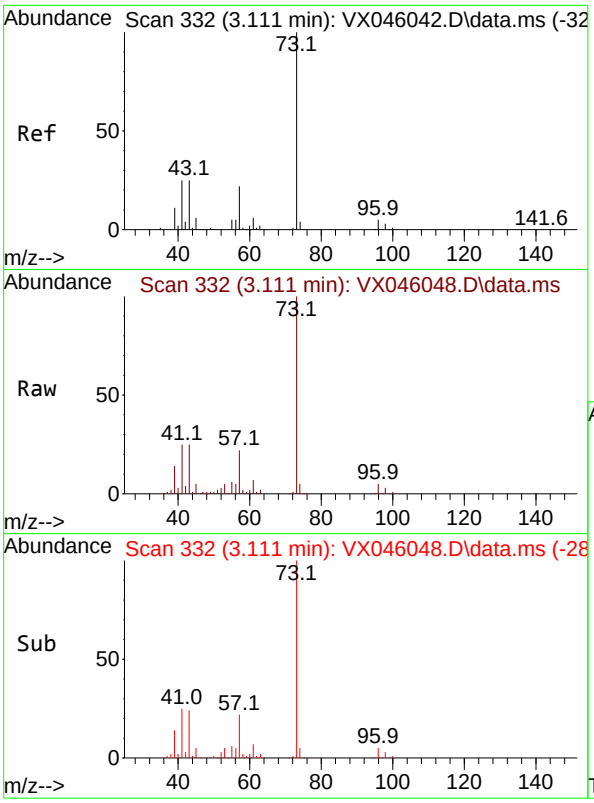


#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 73 Resp: 19544

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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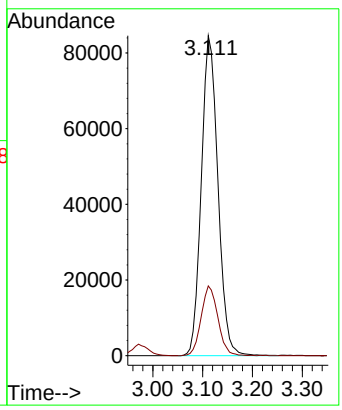
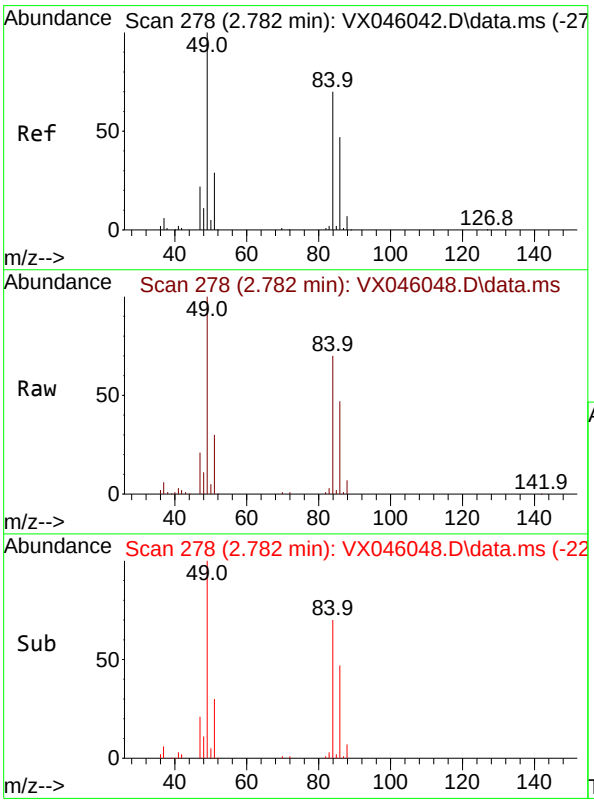
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

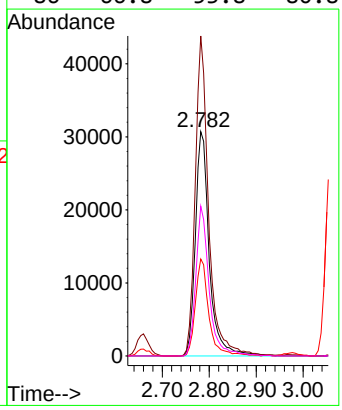


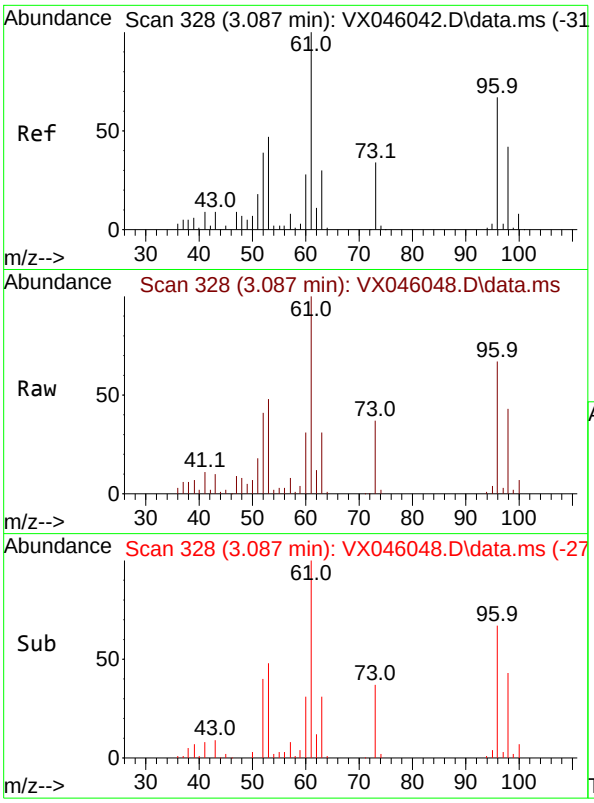


#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 84 Resp: 63369

Ion	Ratio	Lower	Upper
84	100		
49	142.7	113.9	170.9
51	43.3	33.5	50.3
86	66.8	53.8	80.8

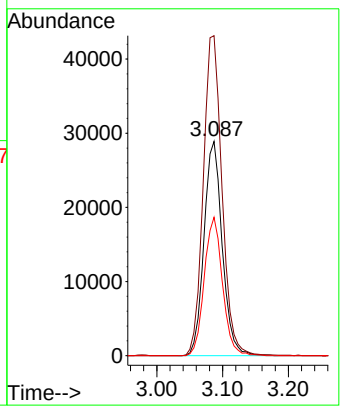




#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 5577

Ion	Ratio	Lower	Upper
96	100		
61	149.3	119.5	179.3
98	64.6	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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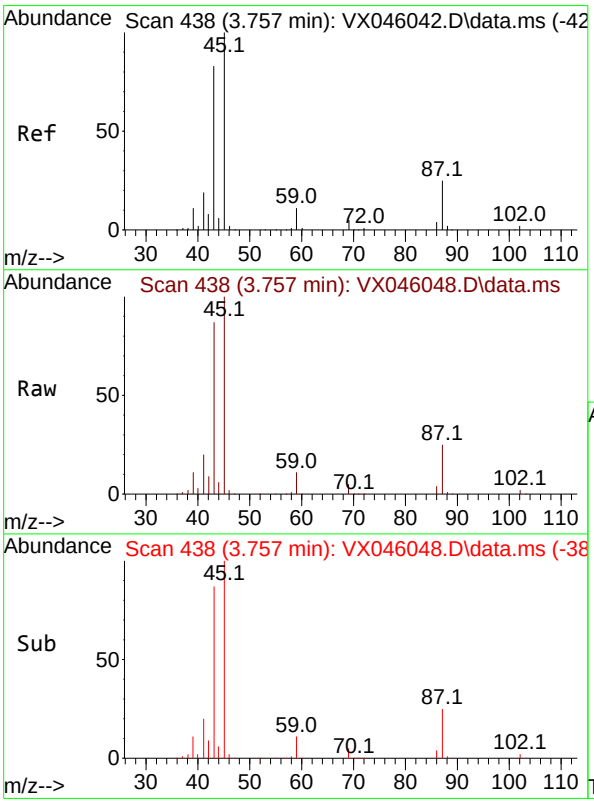
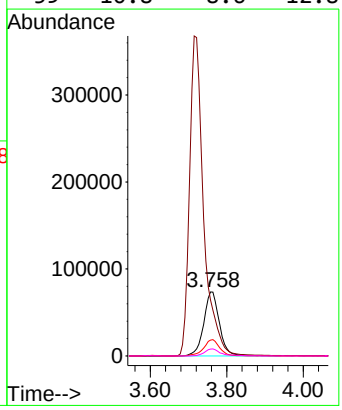
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

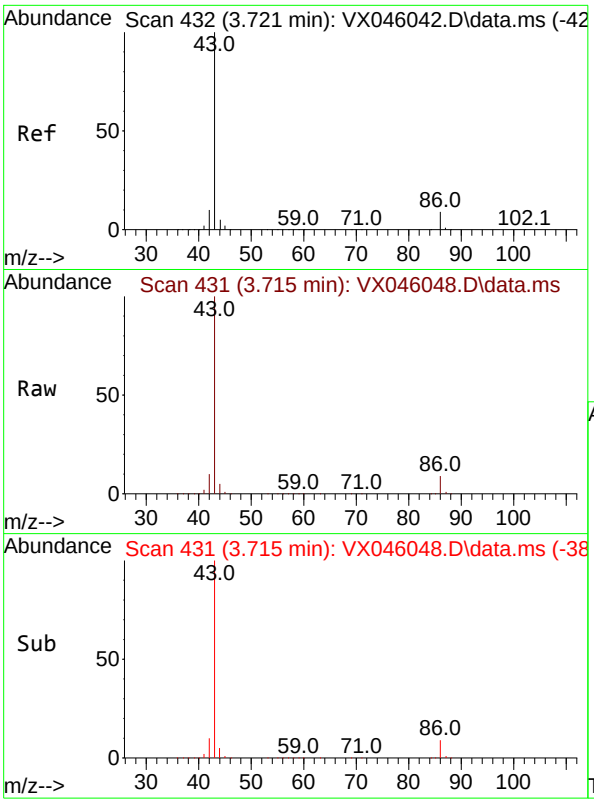


#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 45 Resp: 209946

Ion	Ratio	Lower	Upper
45	100		
43	86.9	66.6	100.0
87	24.8	19.8	29.6
59	10.8	8.6	12.8





#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 94674

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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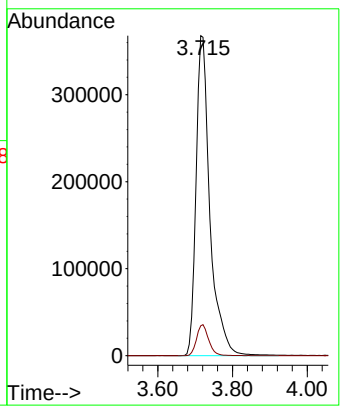
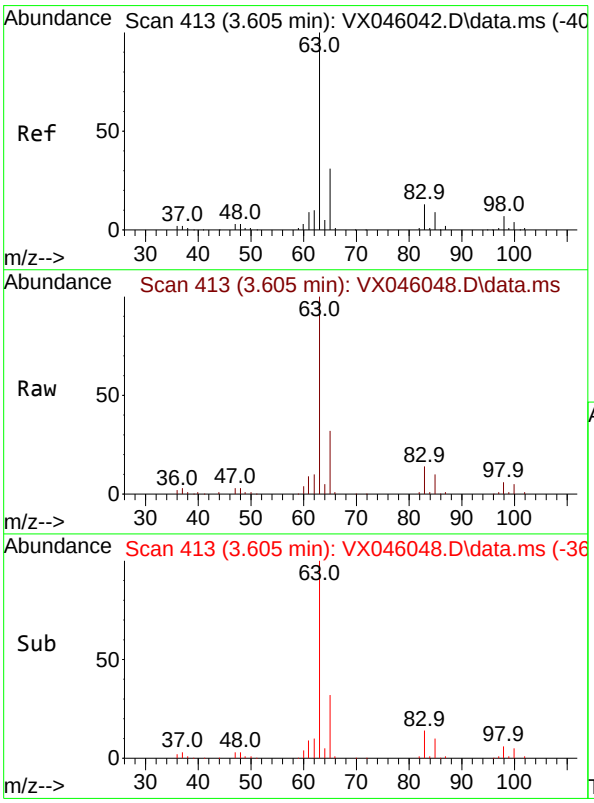
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

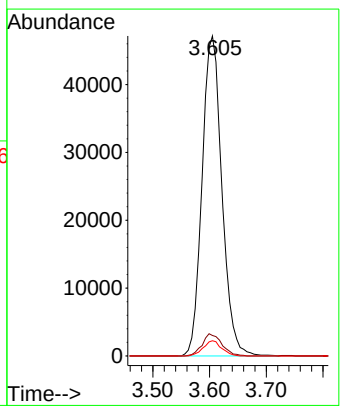


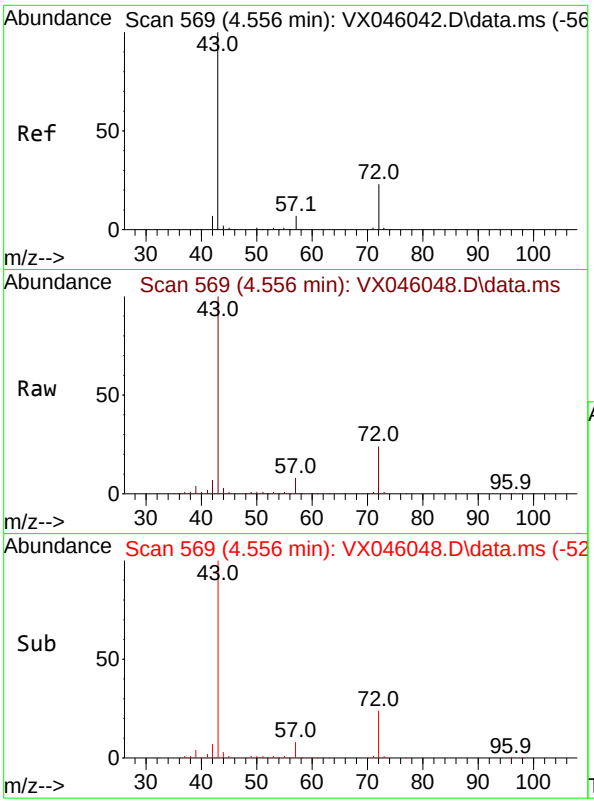


#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 114733

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 257.110 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 25833

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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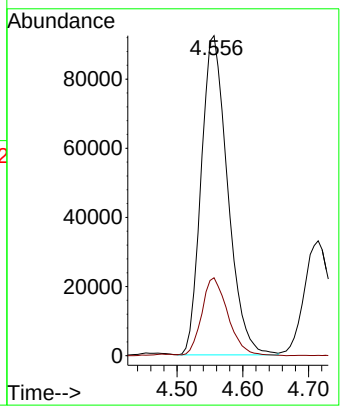
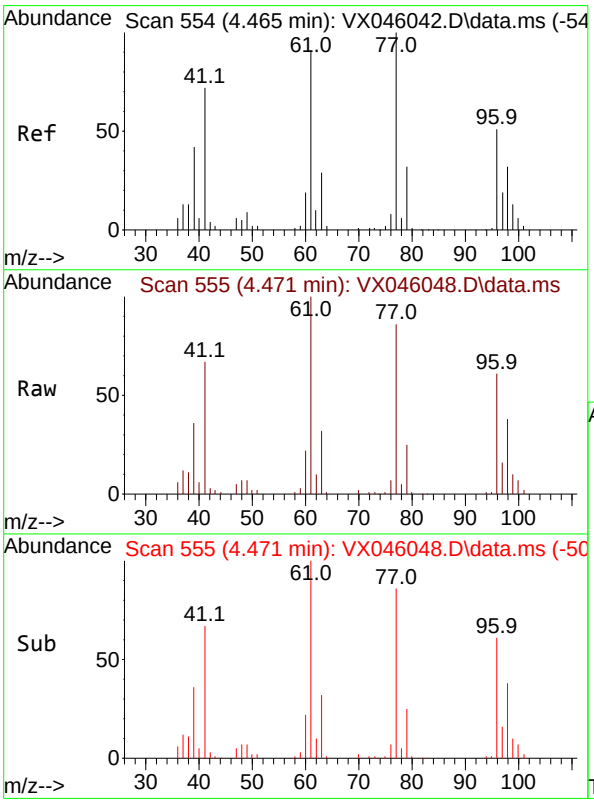
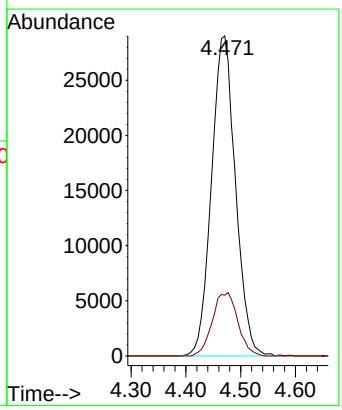


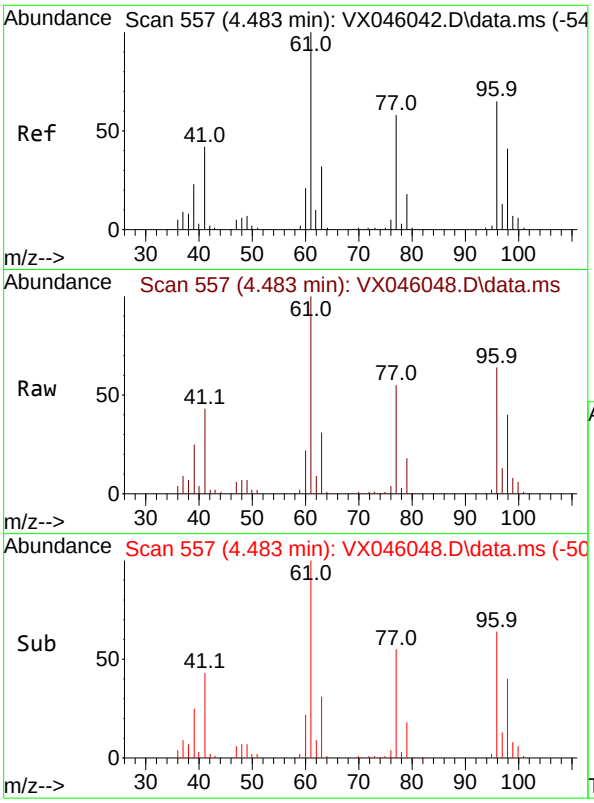


#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 77 Resp: 88229

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 50.956 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 6772

Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	322.8
98	64.4	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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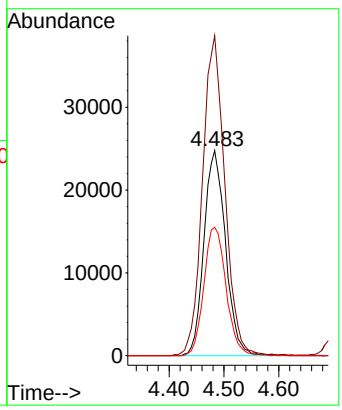
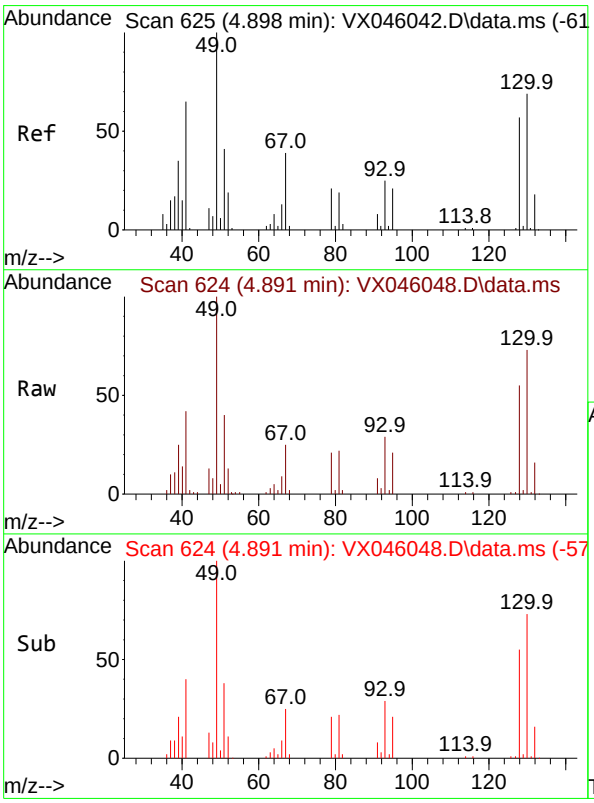
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

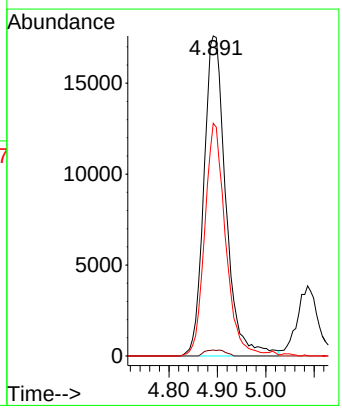


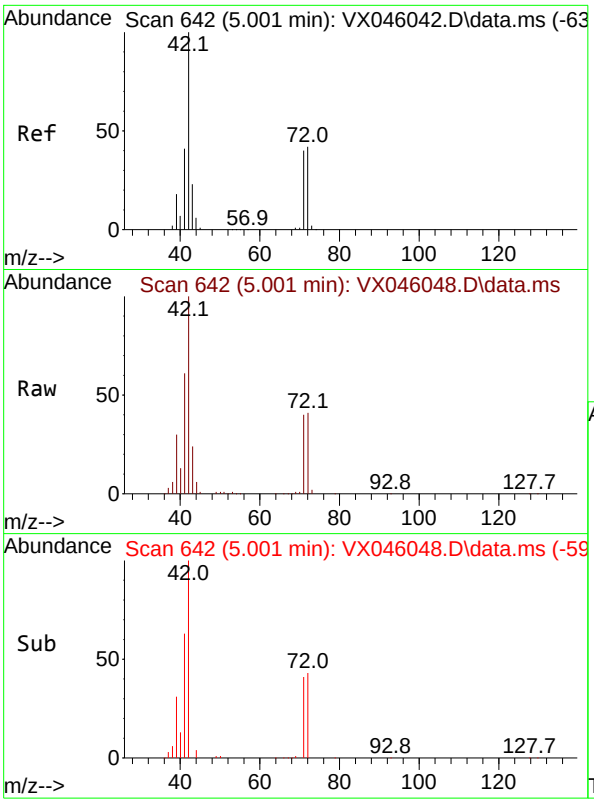


#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 49 Resp: 55390

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	68.7	56.2	84.2





#29
Tetrahydrofuran
Concen: 259.958 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 42 Resp: 16367

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	38.5	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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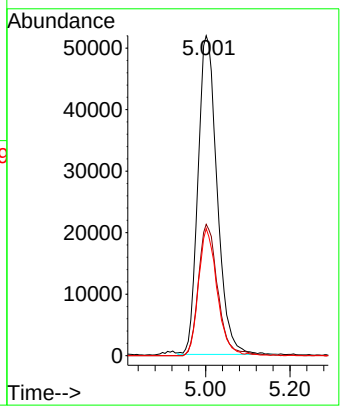
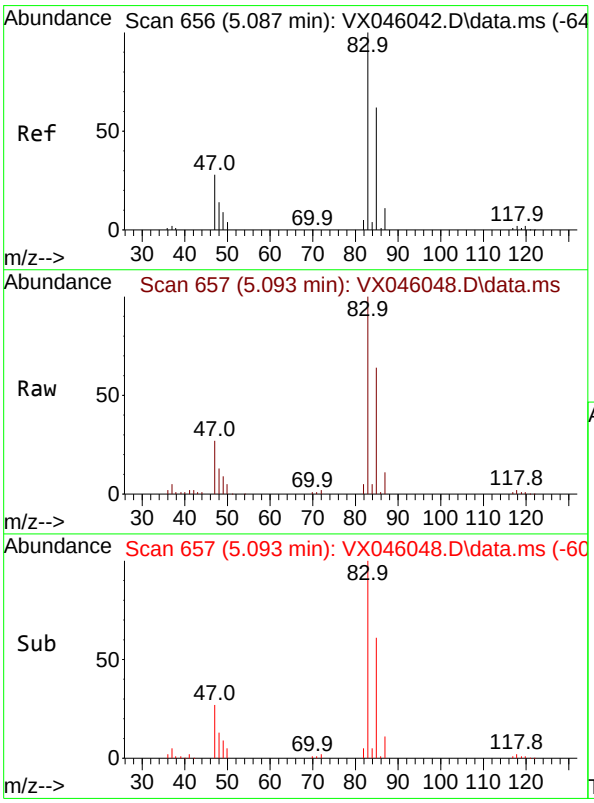
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

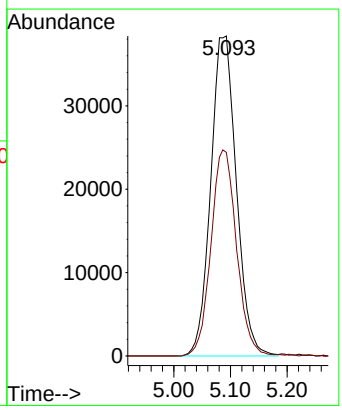


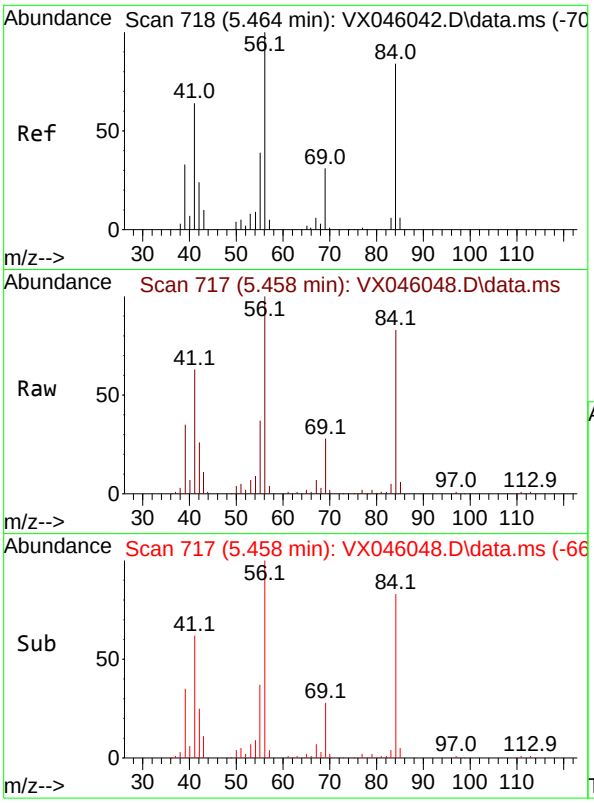


#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9

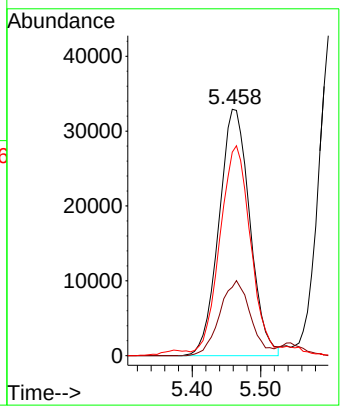




#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 10315

Ion	Ratio	Lower	Upper
56	100		
69	27.8	24.4	36.6
84	80.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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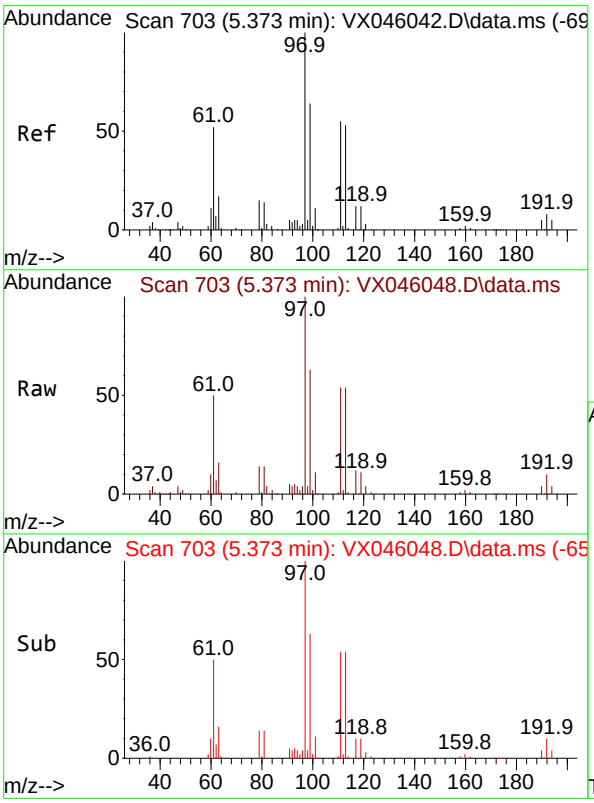
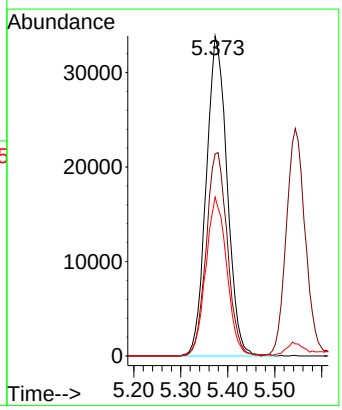
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

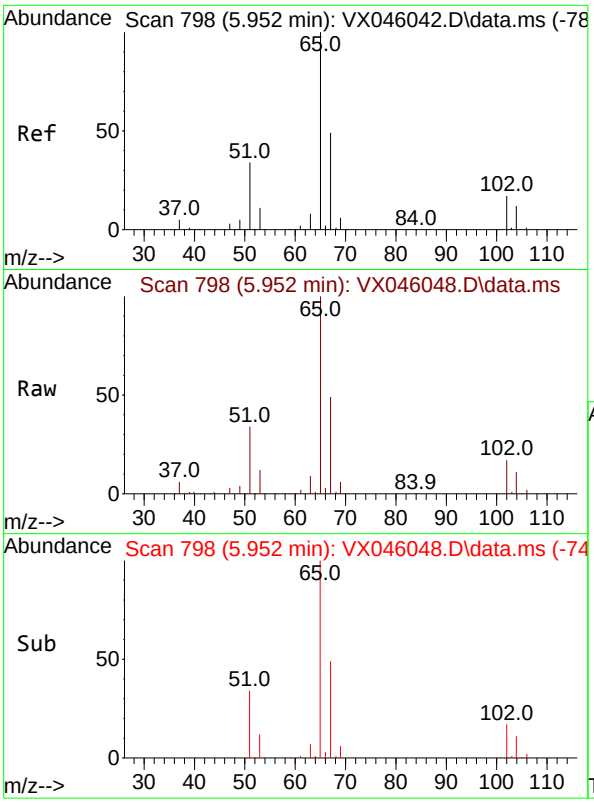


#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 104243

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	50.2	40.1	60.1

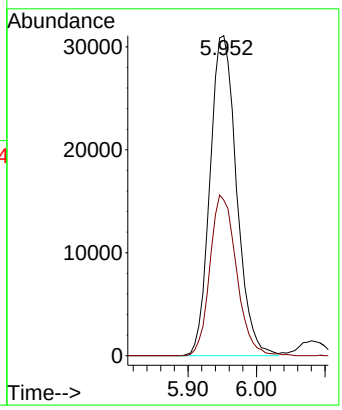




#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 65 Resp: 8373

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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Reviewed By :John Carlone 05/06/2025
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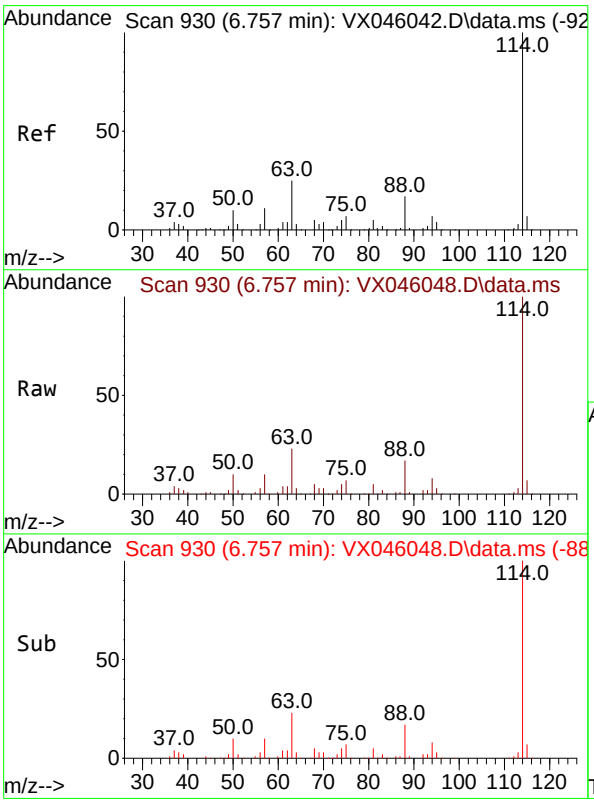
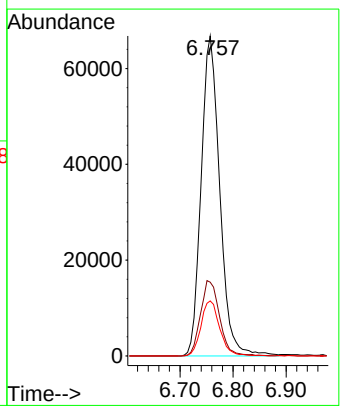
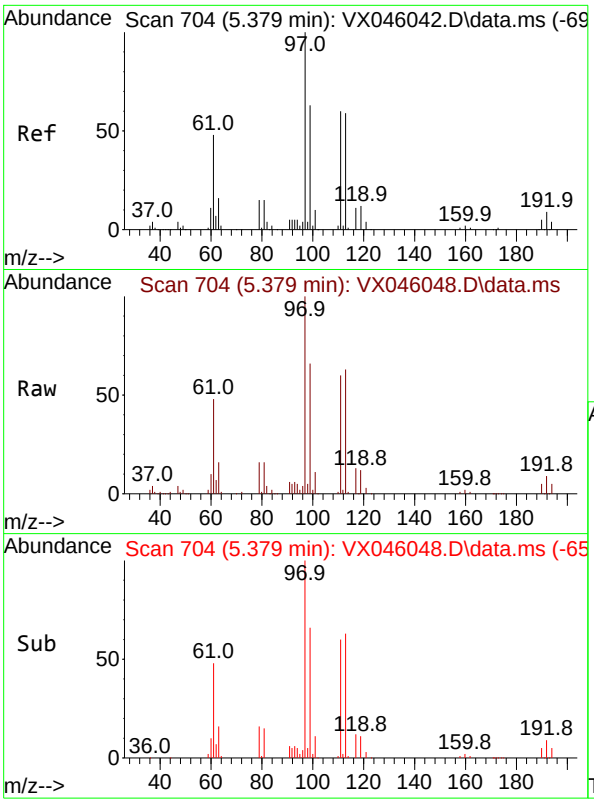


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:114 Resp: 162651

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	49.2
88	17.2	0.0	33.6

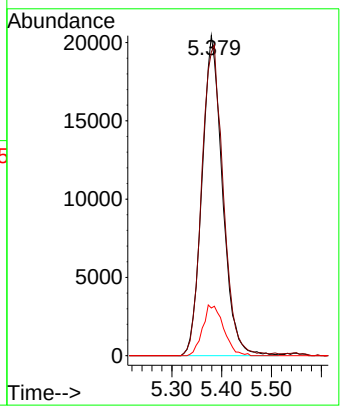




#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:113 Resp: 5819

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	16.2	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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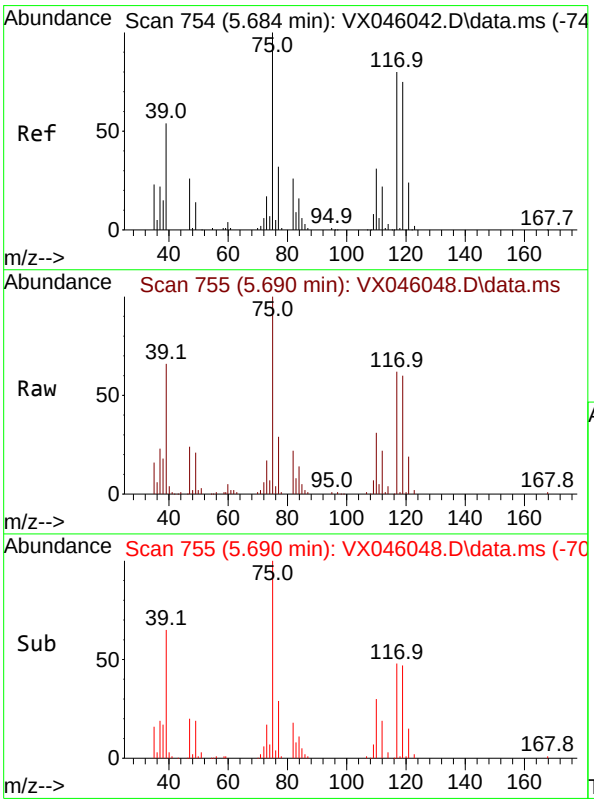
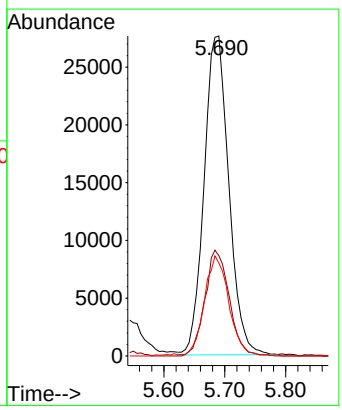
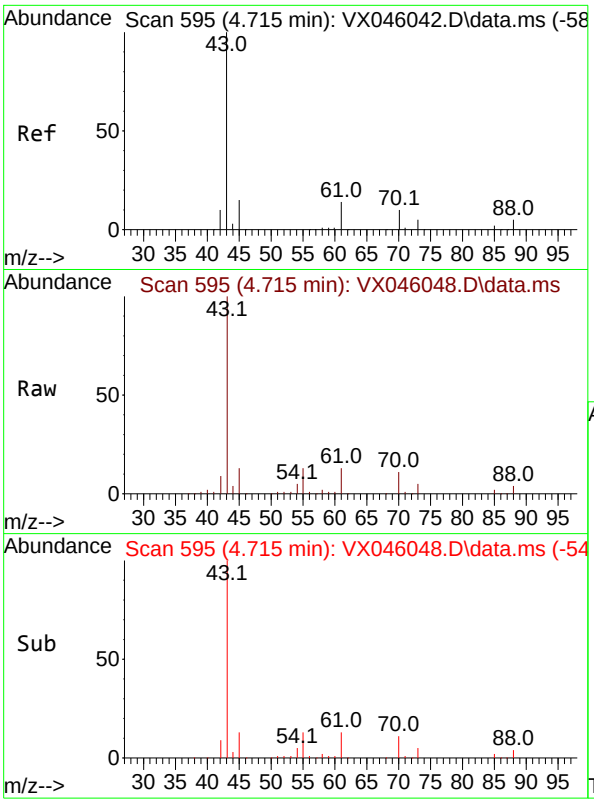


#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 77931

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.3	48.9
77	31.1	24.3	36.5





#37
Ethyl Acetate
Concen: 50.714 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 9860

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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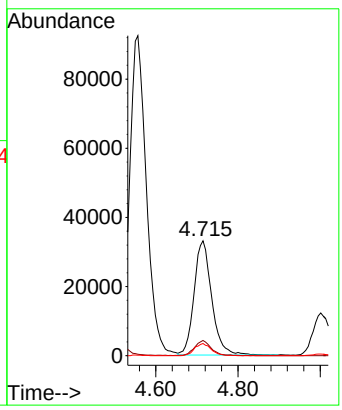
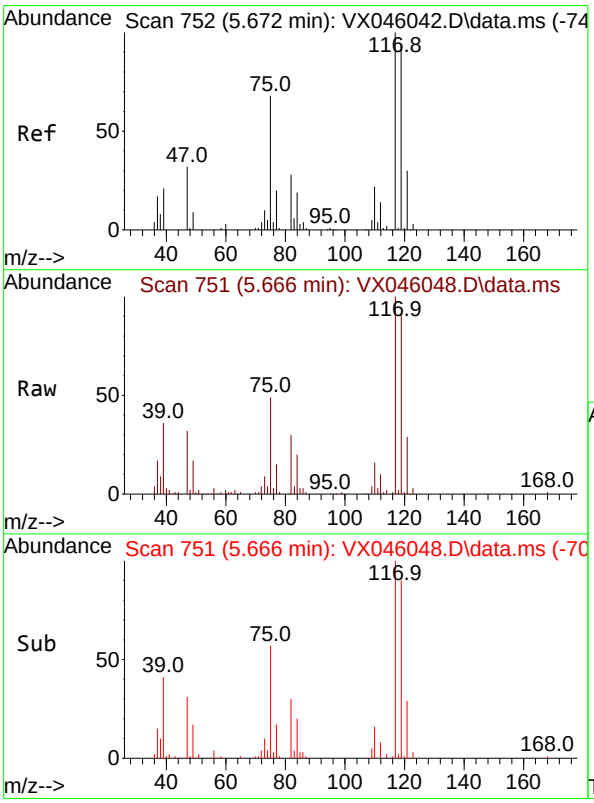
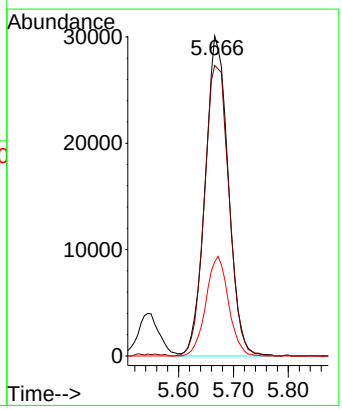


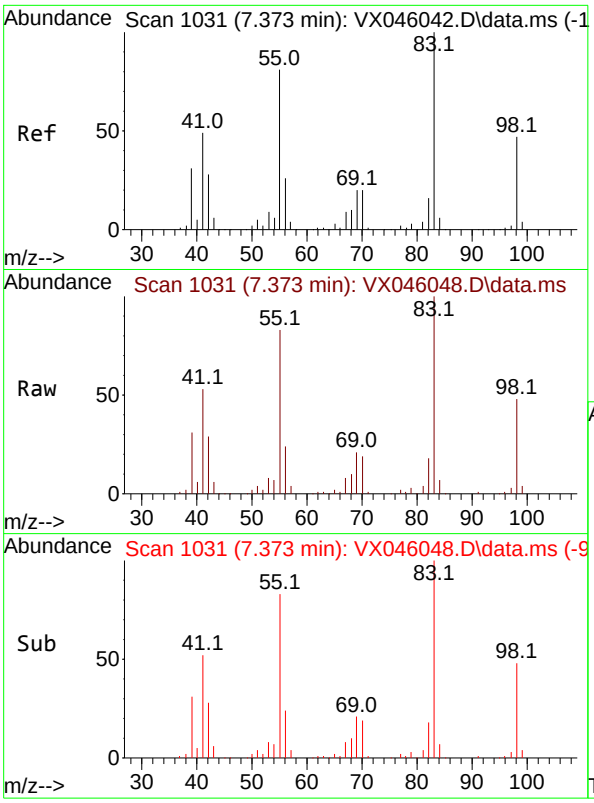


#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 88100

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	29.4	24.2	36.4





#39
Methylcyclohexane
Concen: 49.757 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 10080

Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.7	97.1
98	48.3	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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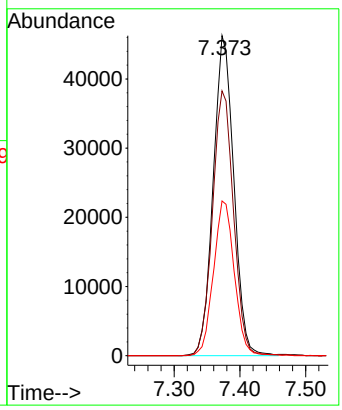
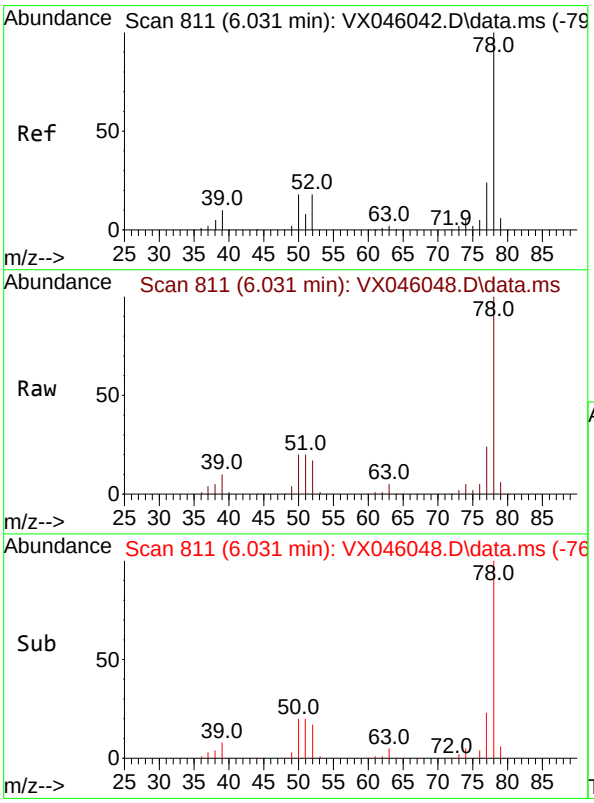
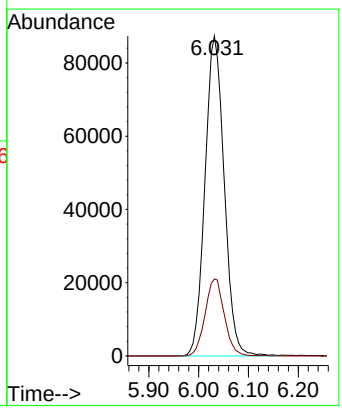


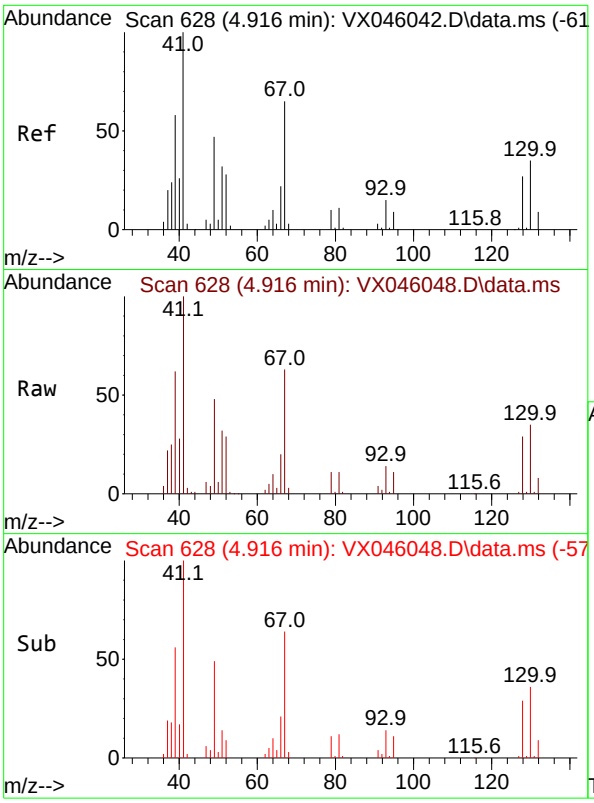


#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

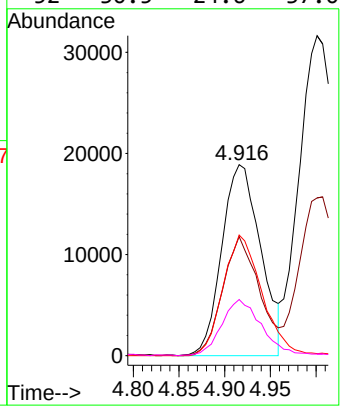




#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 5601

Ion	Ratio	Lower	Upper
41	100		
39	58.7	47.2	70.8
67	63.7	50.7	76.1
52	30.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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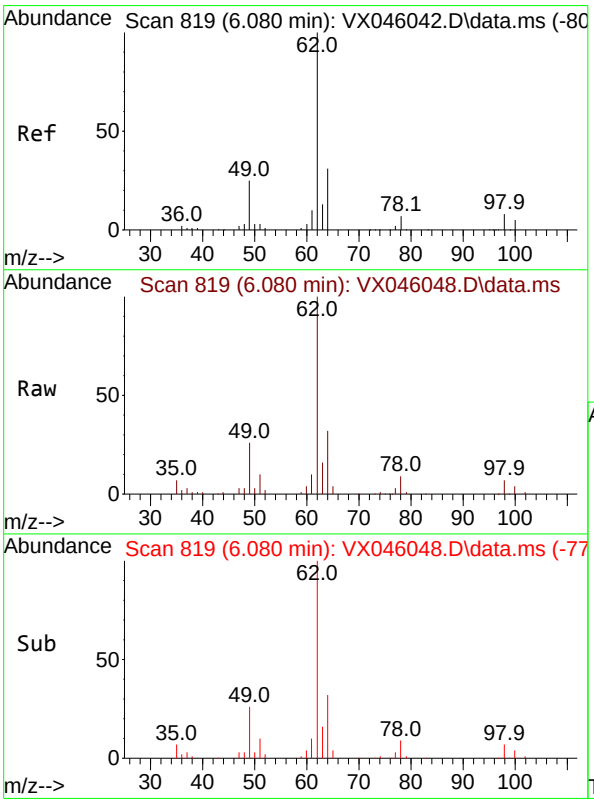
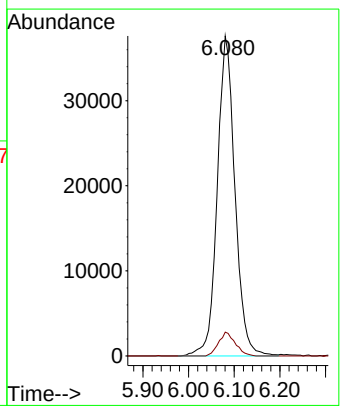
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

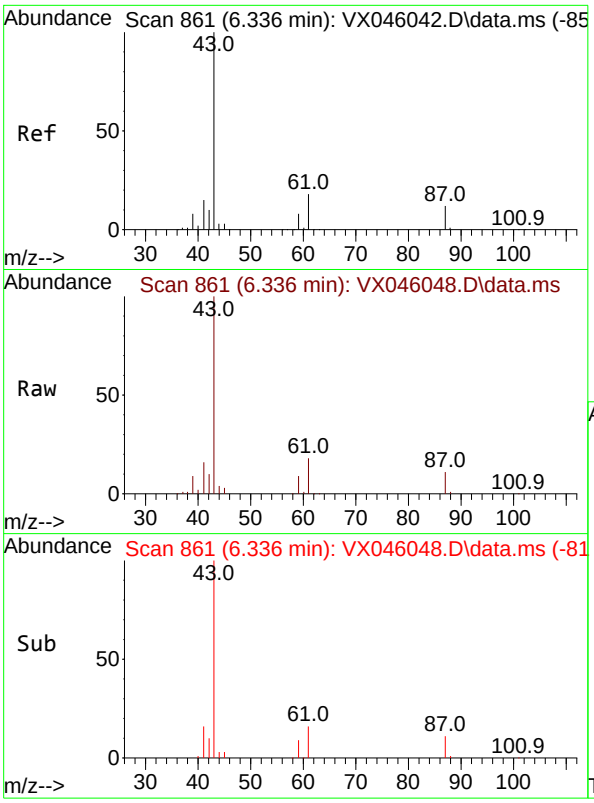


#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.2





#43
Isopropyl Acetate
Concen: 52.195 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 15481

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.4	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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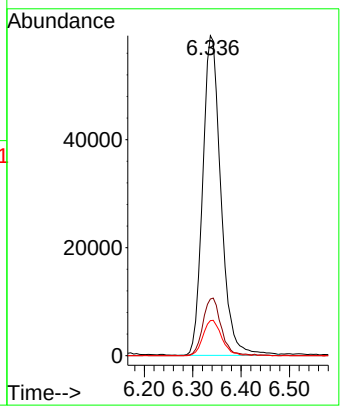
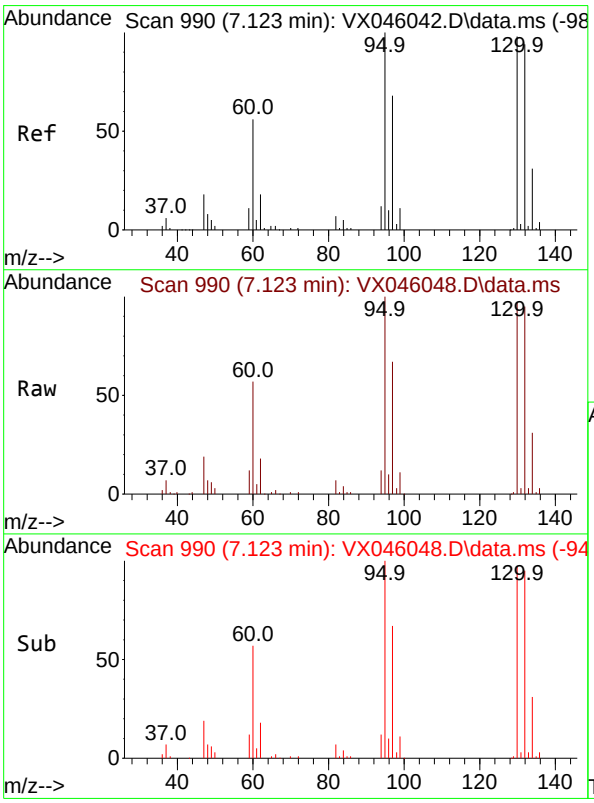
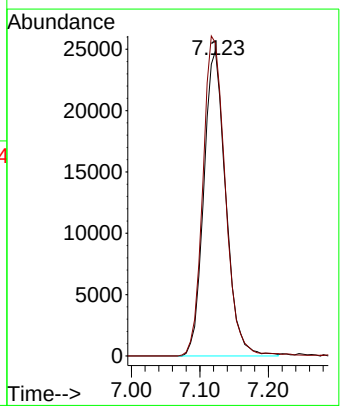


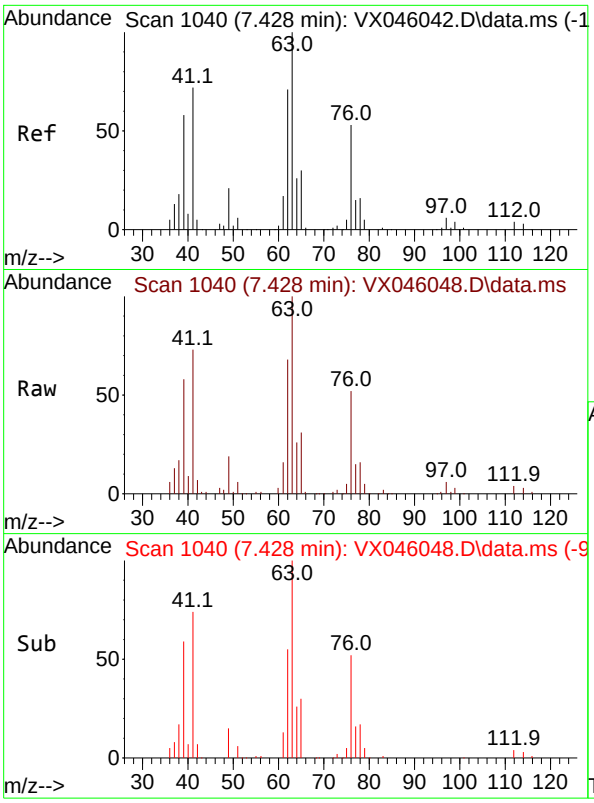


#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:130 Resp: 55491

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	204.2





#45
1,2-Dichloropropane
Concen: 51.983 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 5958

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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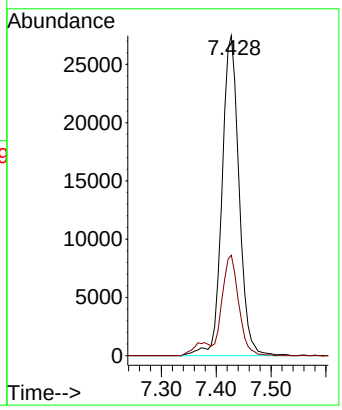
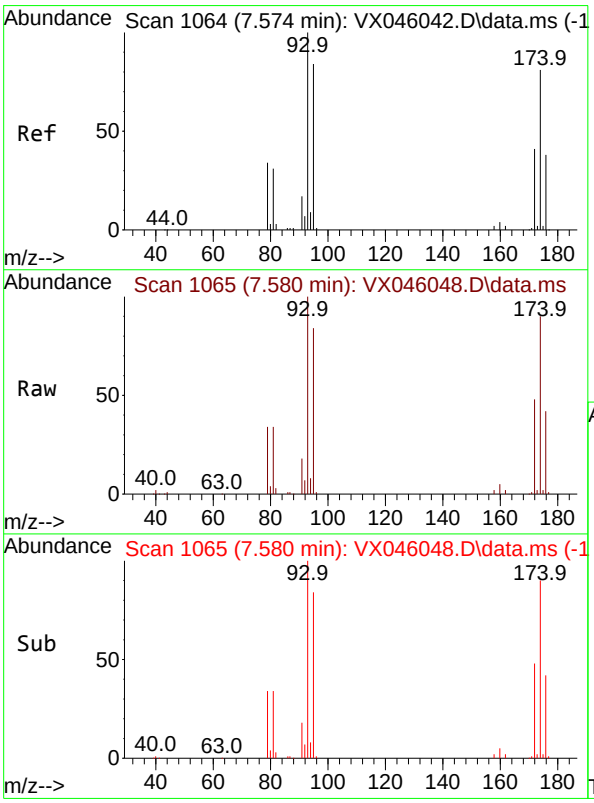
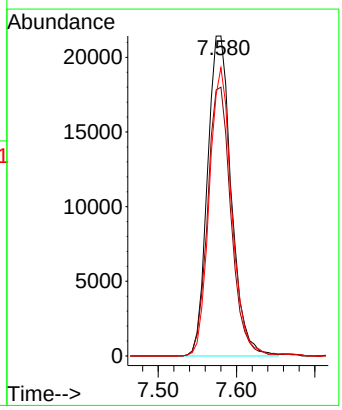


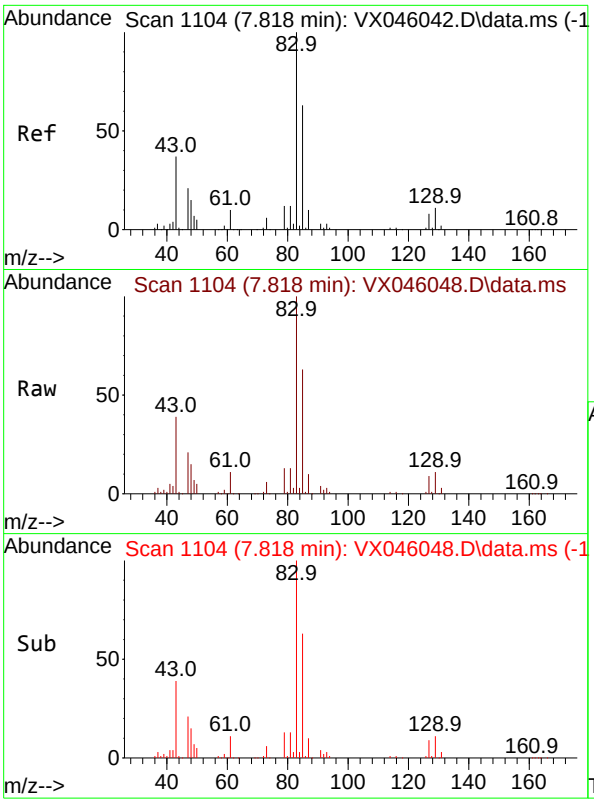


#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 93 Resp: 45181

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	84.8	68.2	102.2

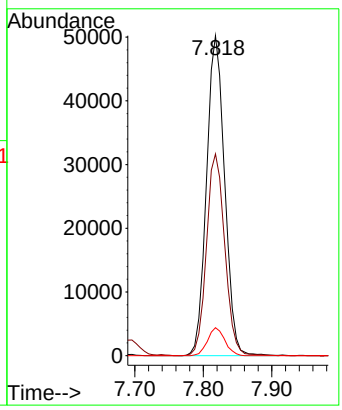




#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 9238

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.8	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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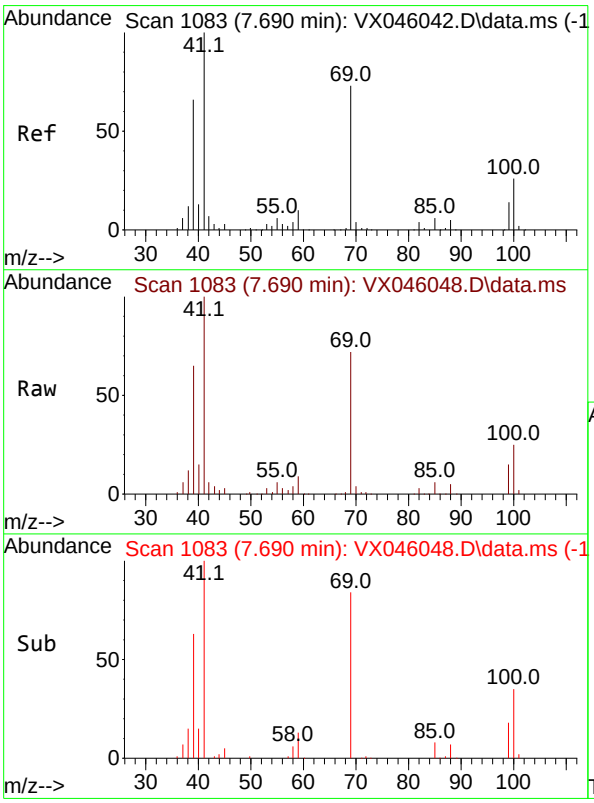
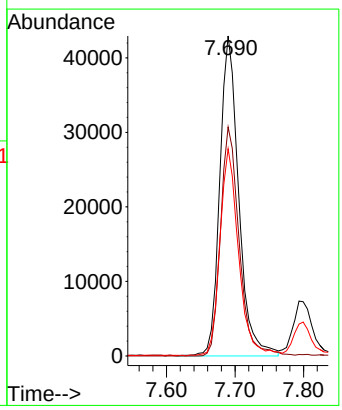
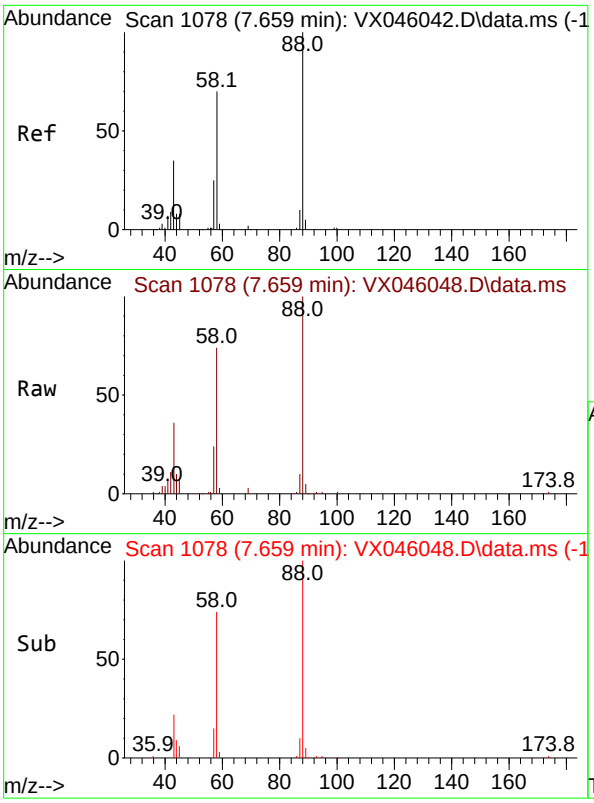


#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 82144

Ion	Ratio	Lower	Upper
41	100		
69	70.4	58.5	87.7
39	64.2	51.7	77.5

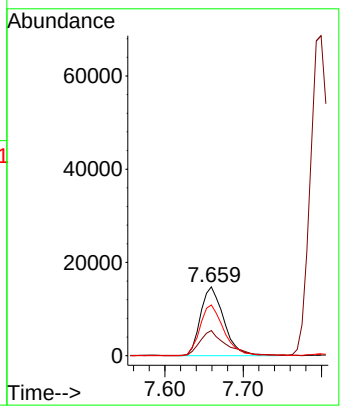




#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 88 Resp: 3047

Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	76.2	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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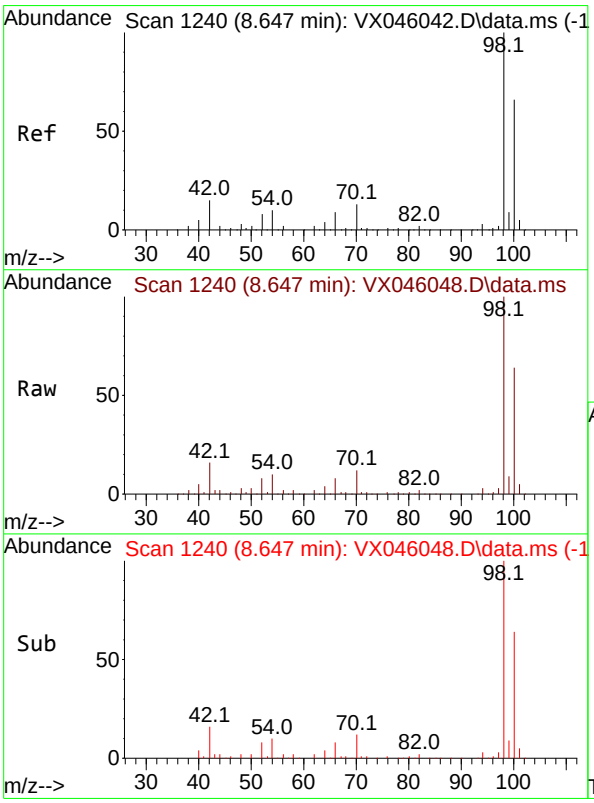
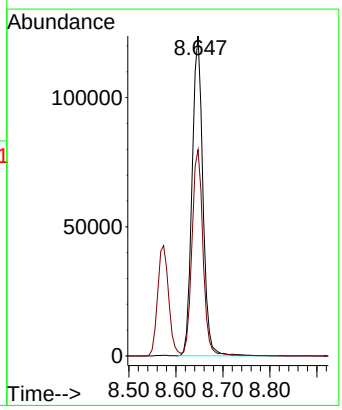
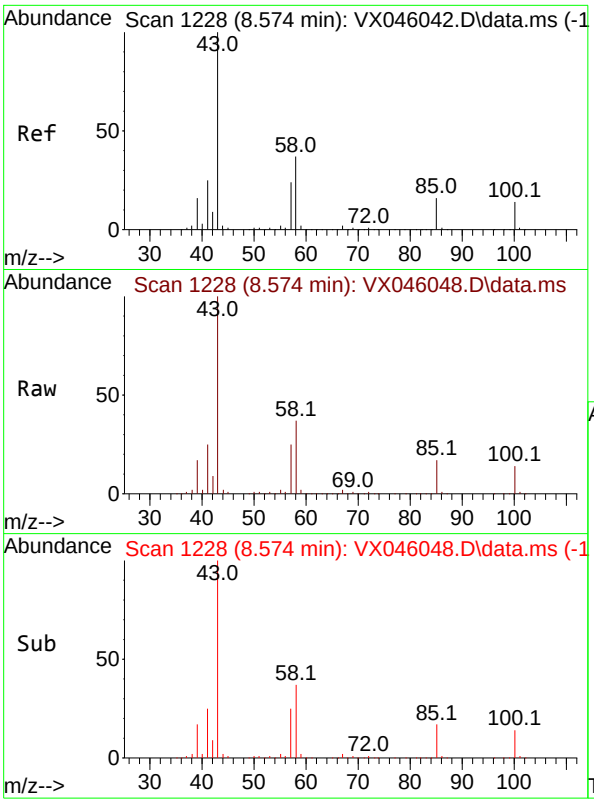


#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 98 Resp: 198575

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 51020

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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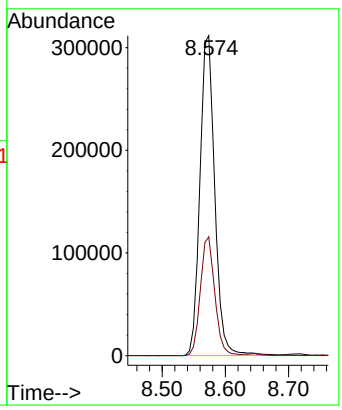
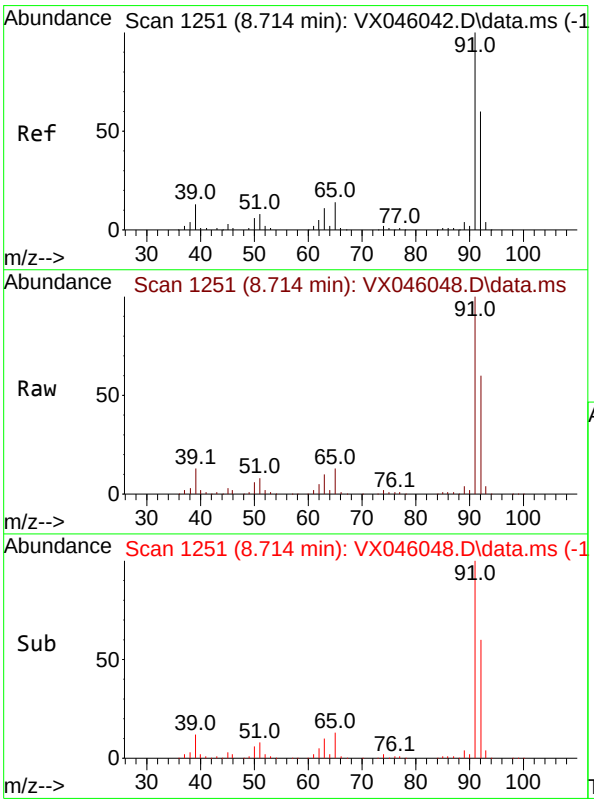
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

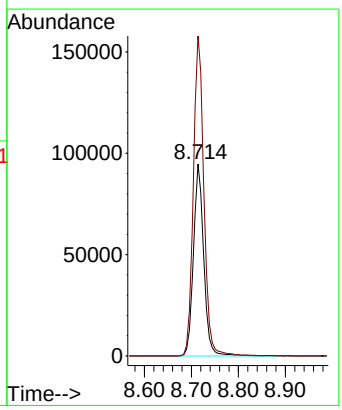


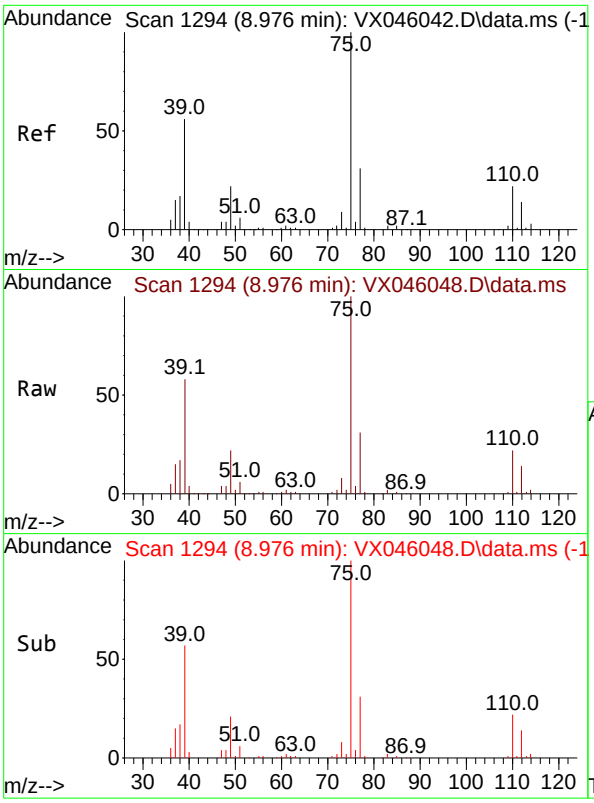


#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.6	205.0

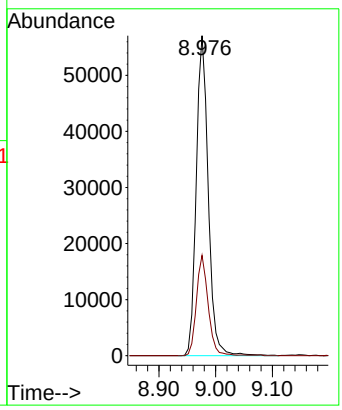




#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 8375

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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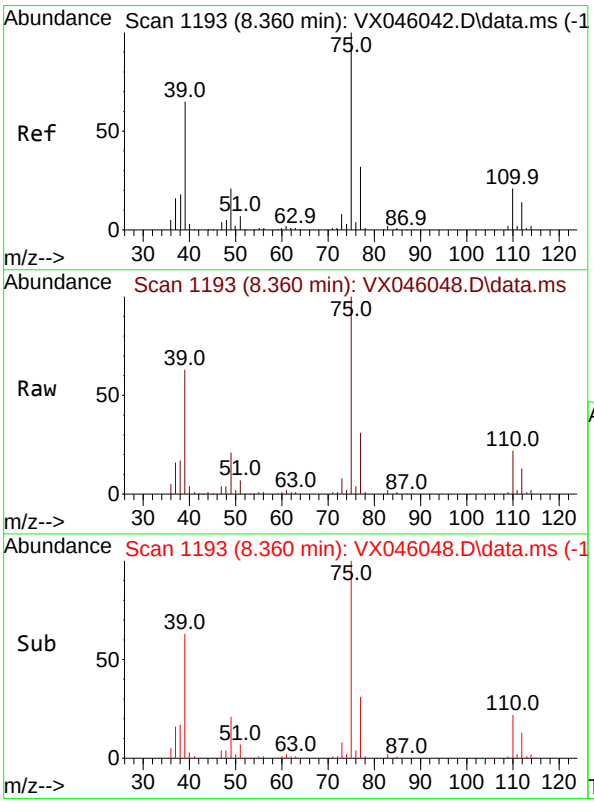
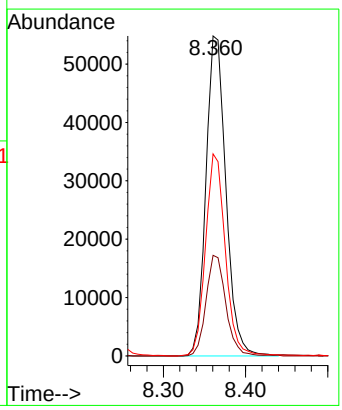
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

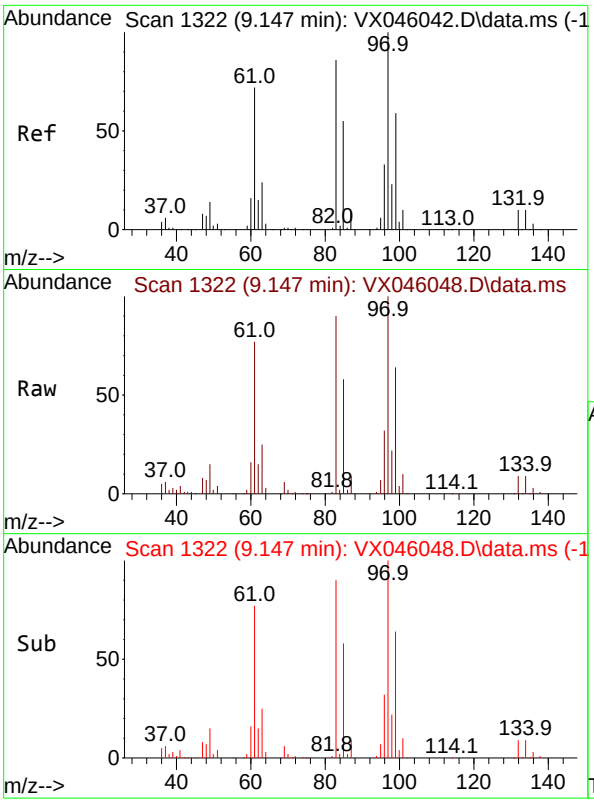


#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 92517

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	63.2	52.2	78.4

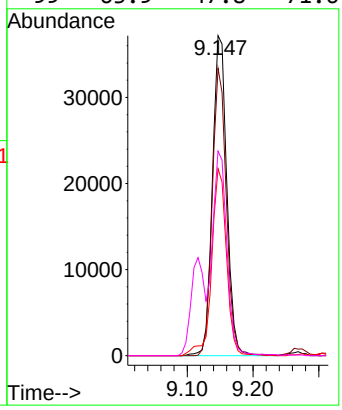




#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 5671

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.0	103.6
85	58.4	44.3	66.5
99	63.9	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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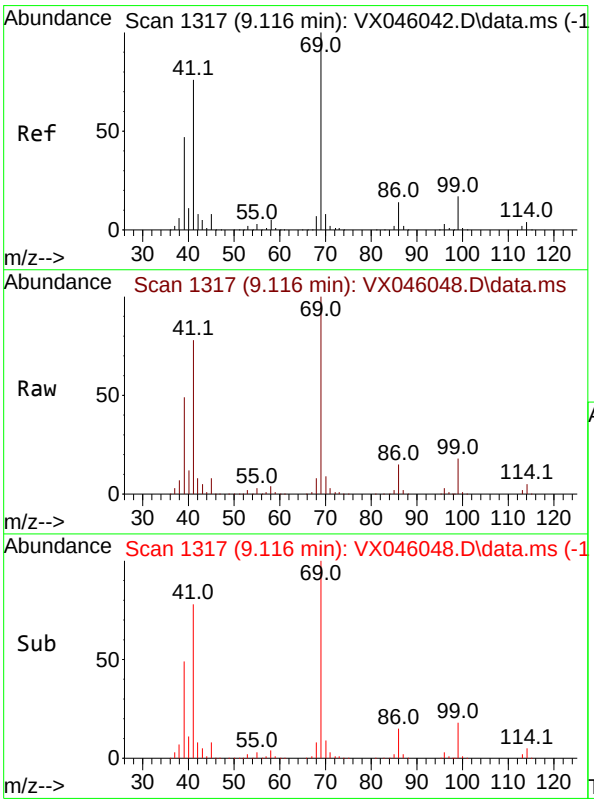
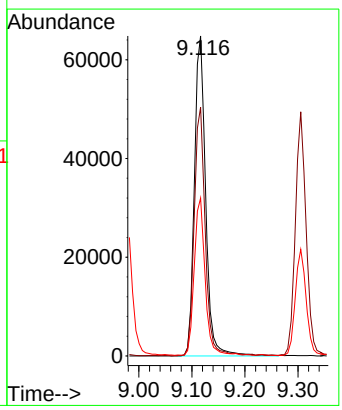
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

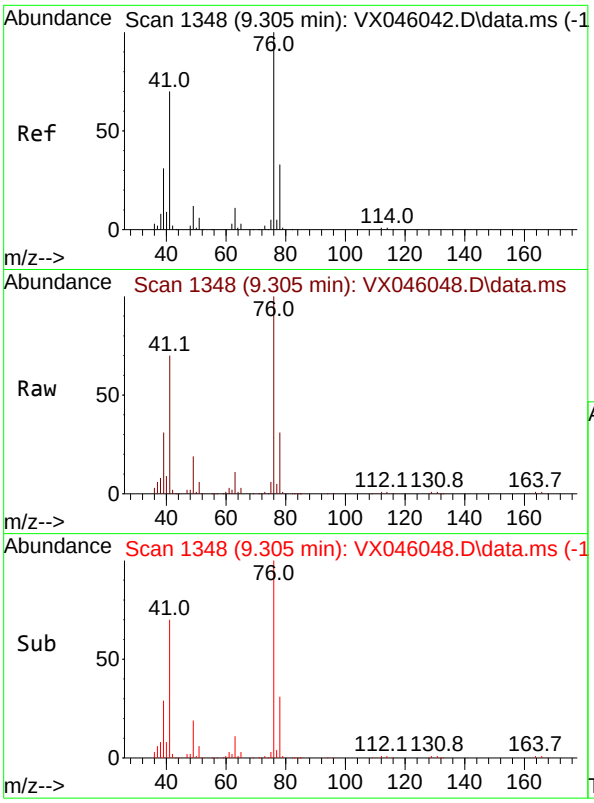


#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 69 Resp: 95772

Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.8	91.2
39	47.4	39.0	58.6





#57
1,3-Dichloropropane
Concen: 49.793 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 9966

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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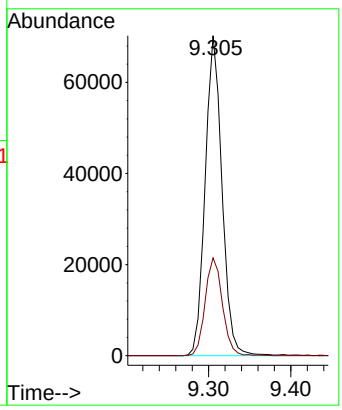
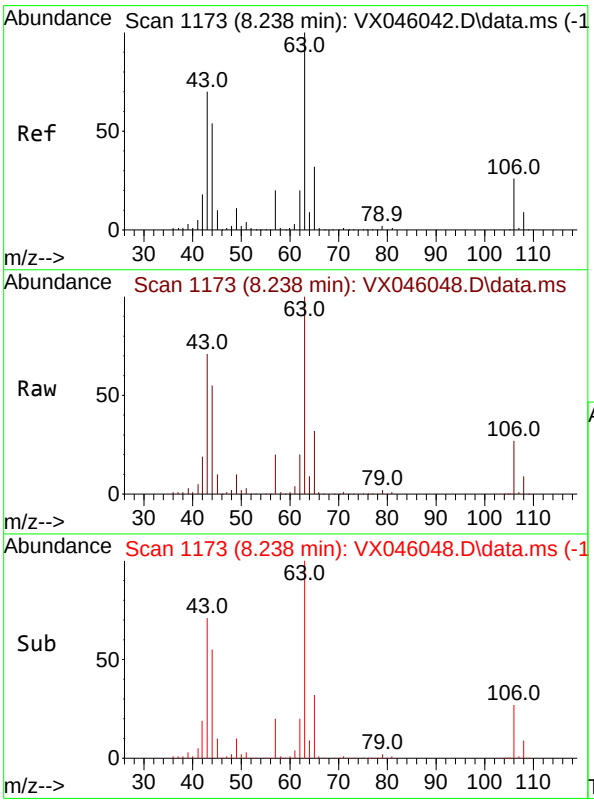
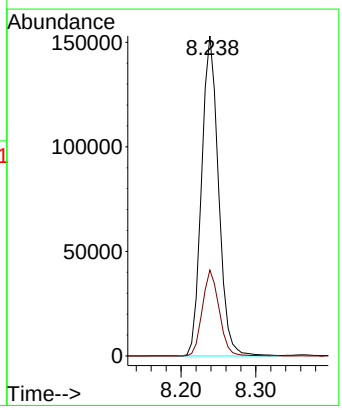


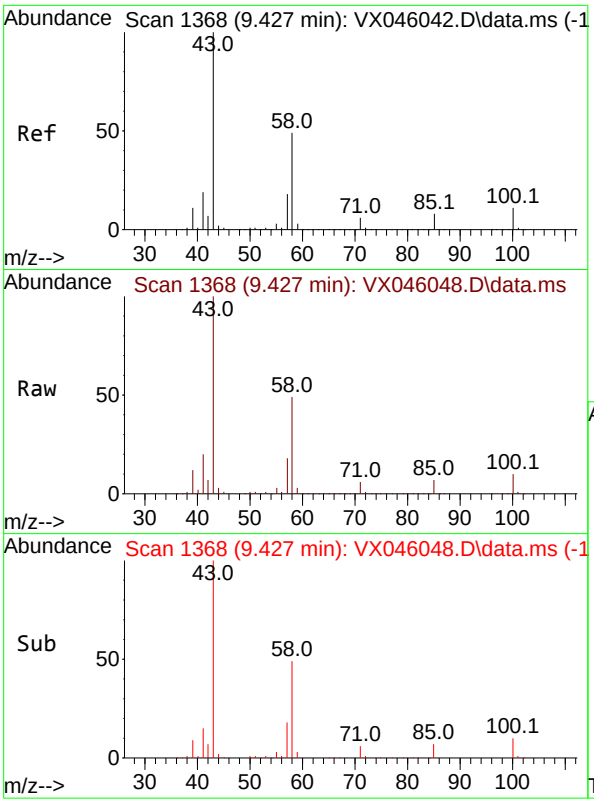


#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 240681

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3





#59
2-Hexanone
Concen: 268.218 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 39070

Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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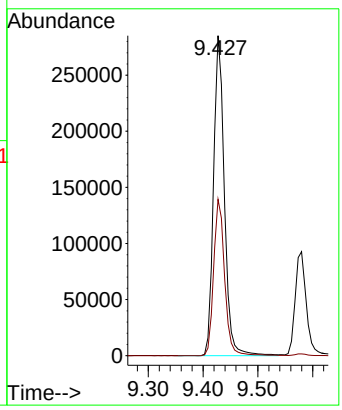
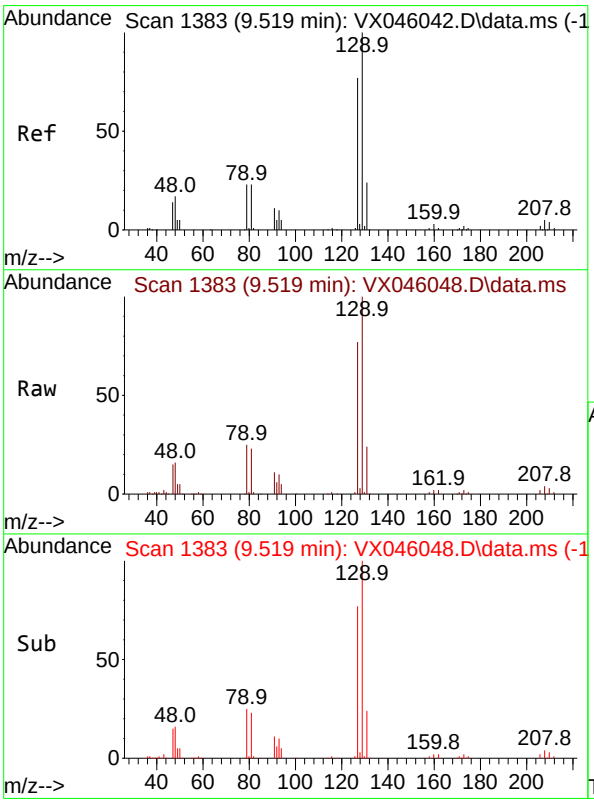
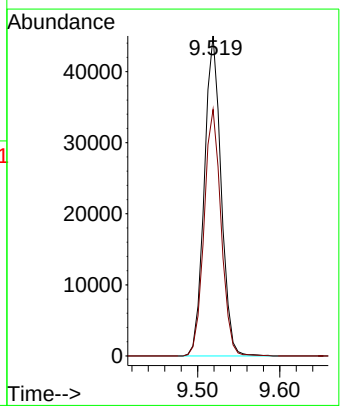


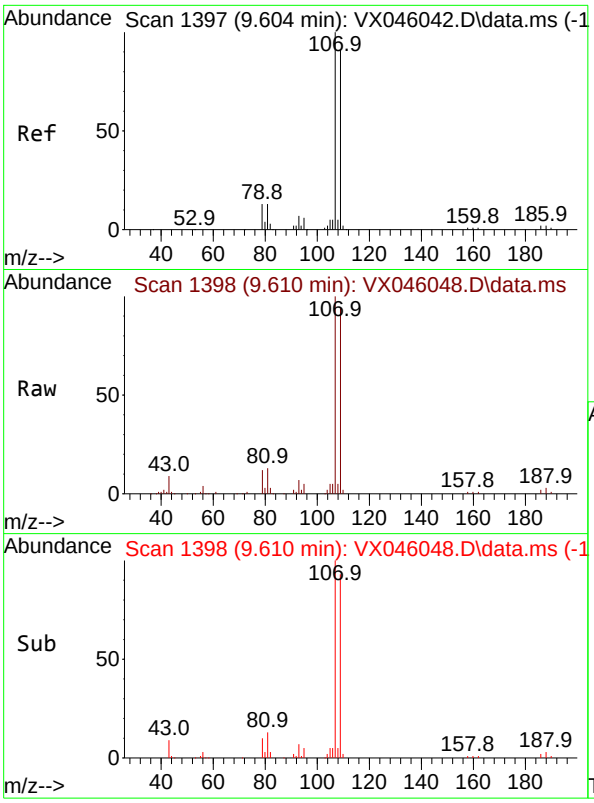


#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:129 Resp: 63738

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8





#61
1,2-Dibromoethane
Concen: 51.050 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:107 Resp: 5913

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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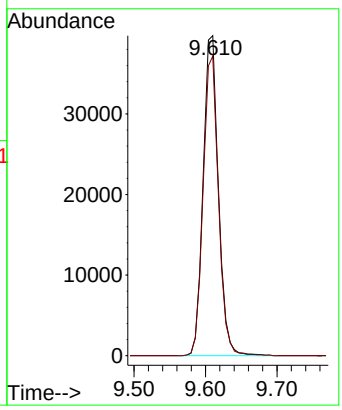
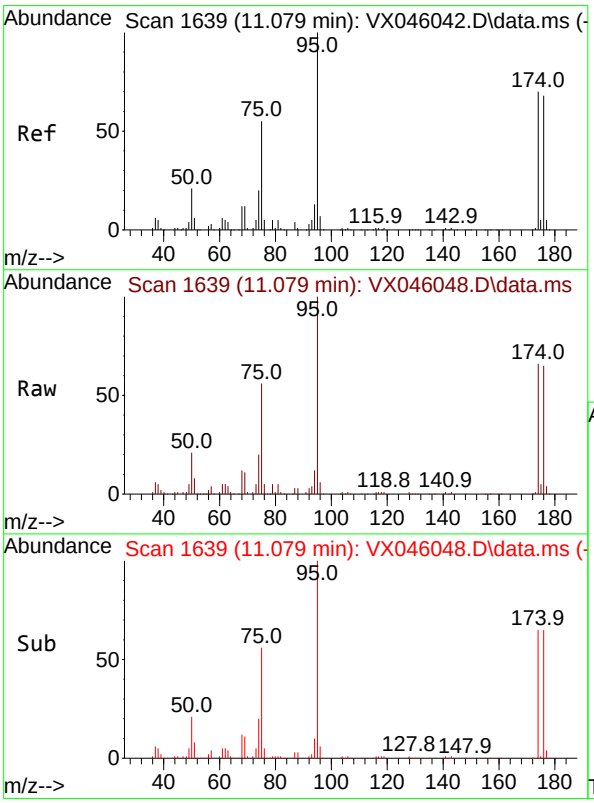
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

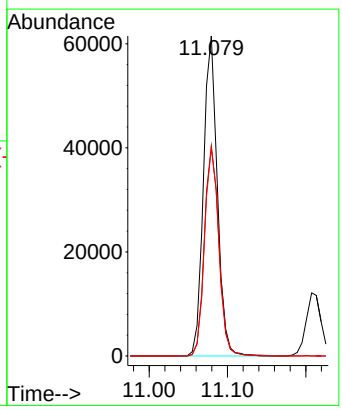


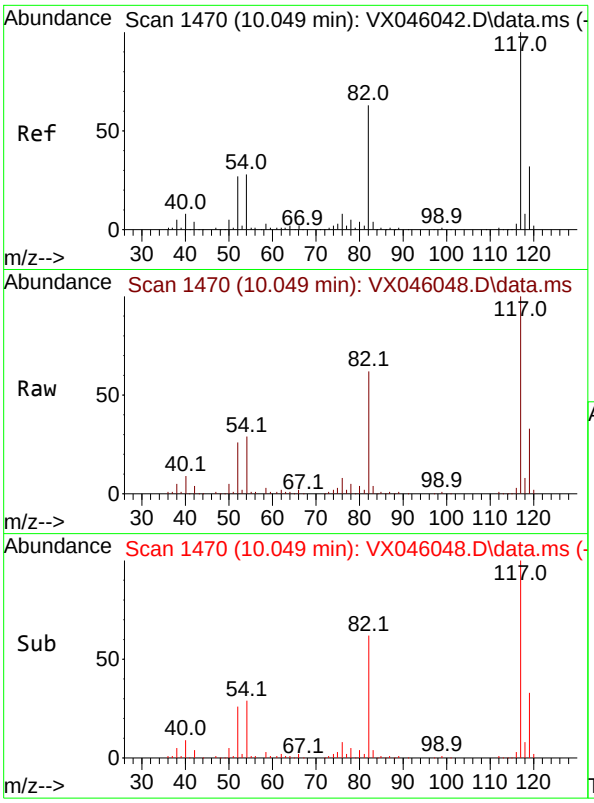


#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 95 Resp: 75568

Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	135.8
176	66.5	0.0	131.4

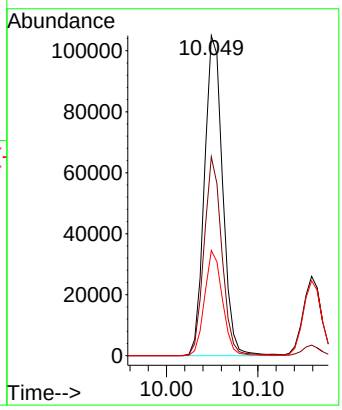




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 14507

Ion	Ratio	Lower	Upper
117	100		
82	62.1	50.6	76.0
119	32.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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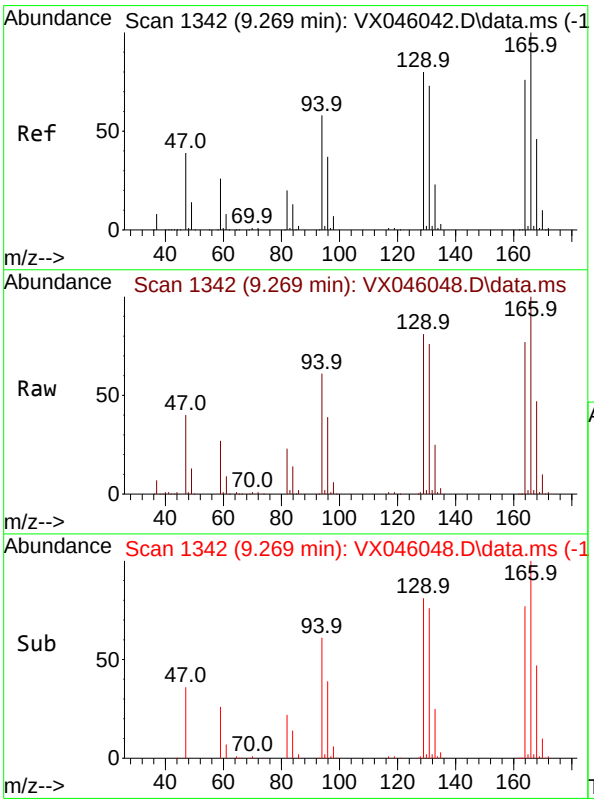
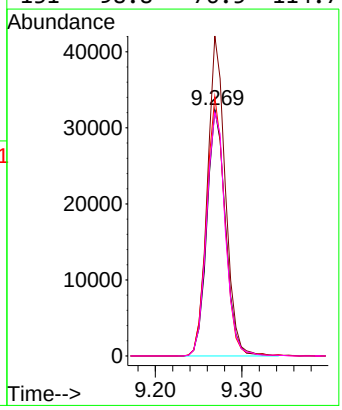
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

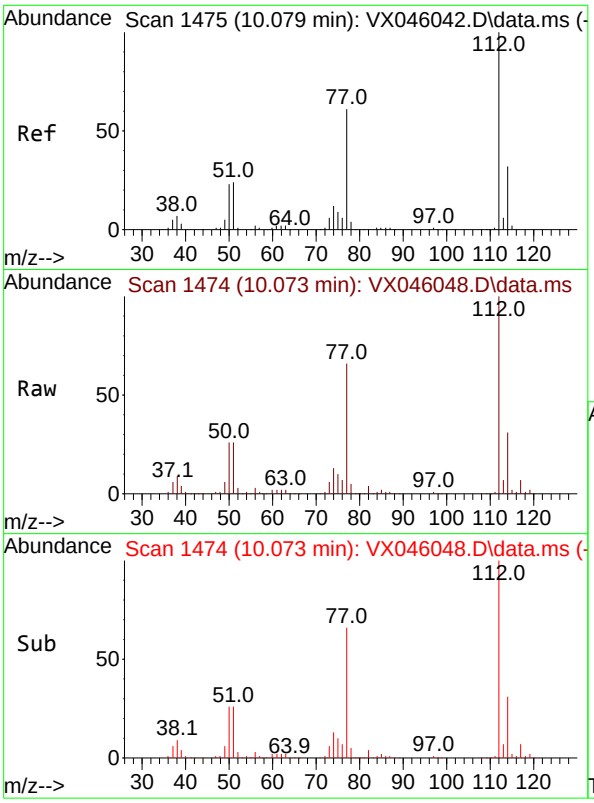


#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:164 Resp: 48034

Ion	Ratio	Lower	Upper
164	100		
166	129.9	105.0	157.6
129	105.3	83.5	125.3
131	98.8	76.5	114.7





#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:112 Resp: 15464

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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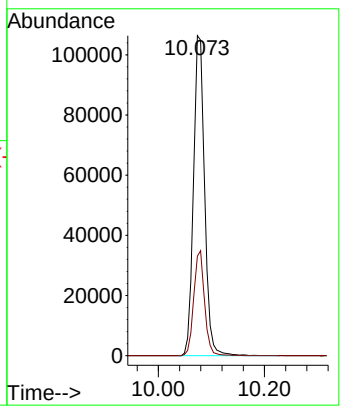
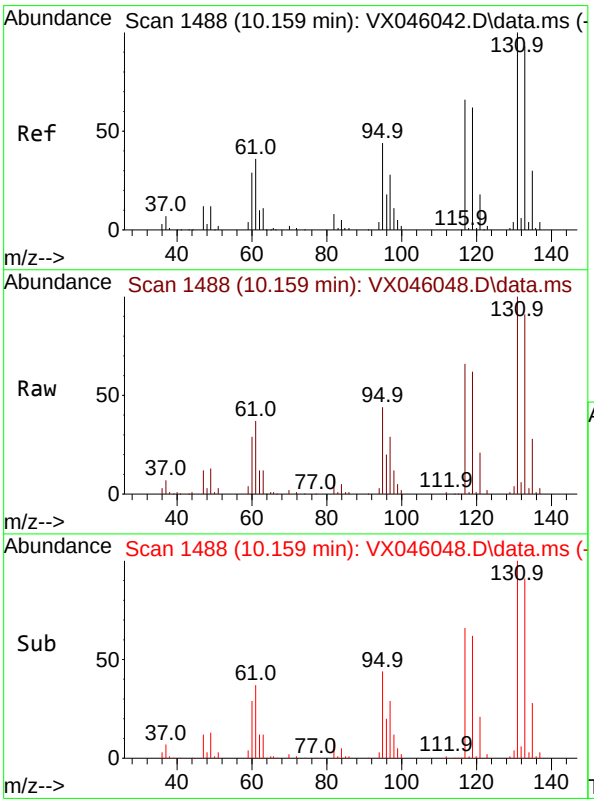
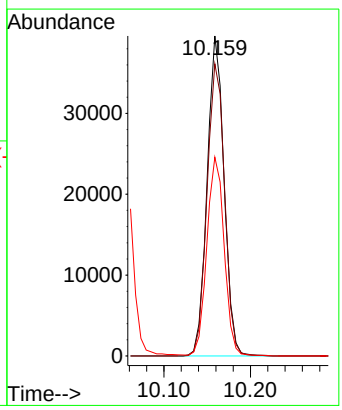


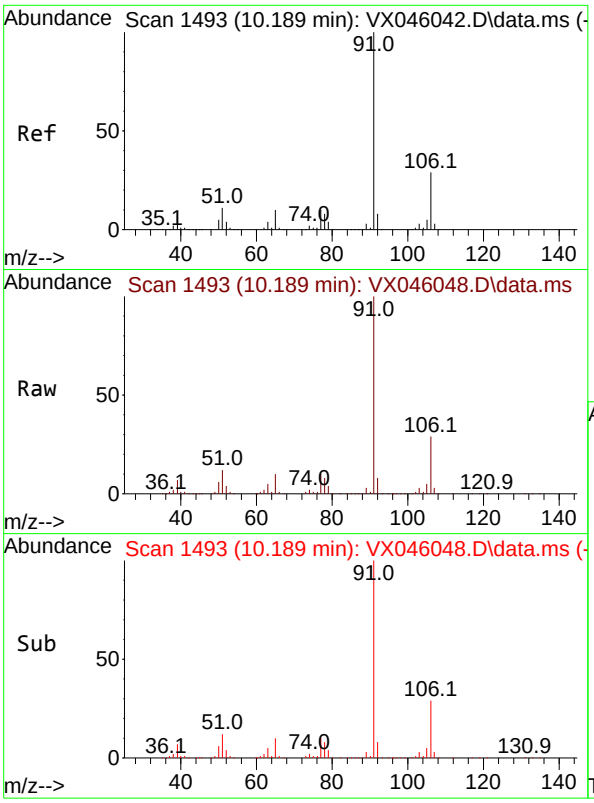


#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:131 Resp: 53735

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	63.7	31.6	95.0





#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 28123

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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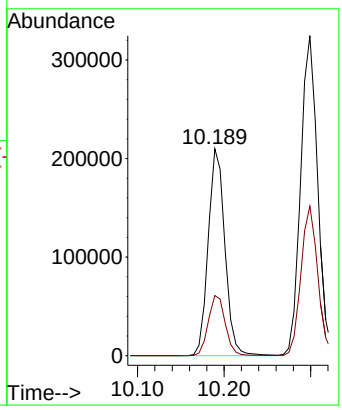
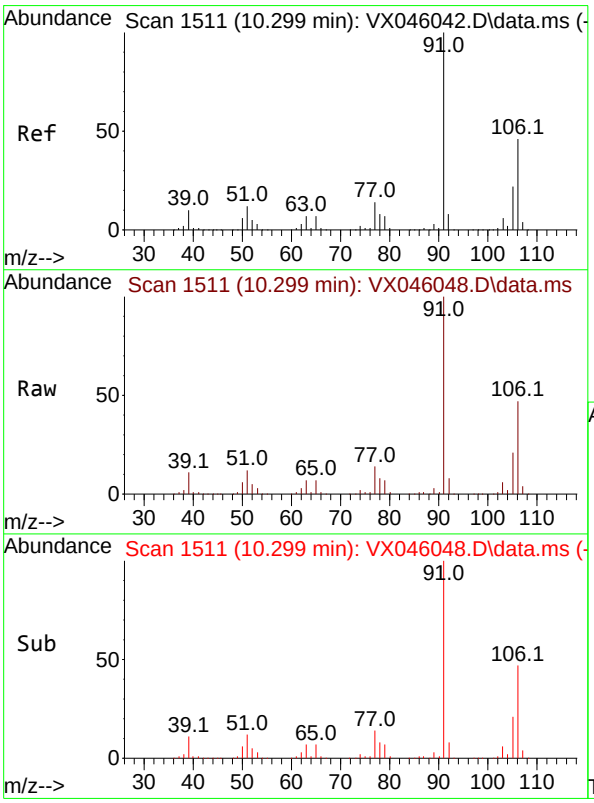
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

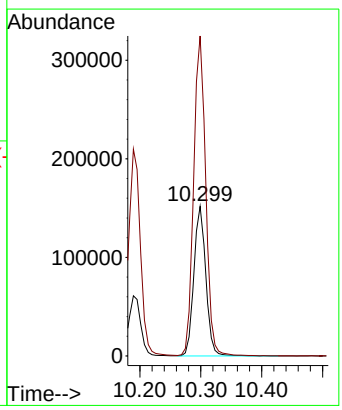


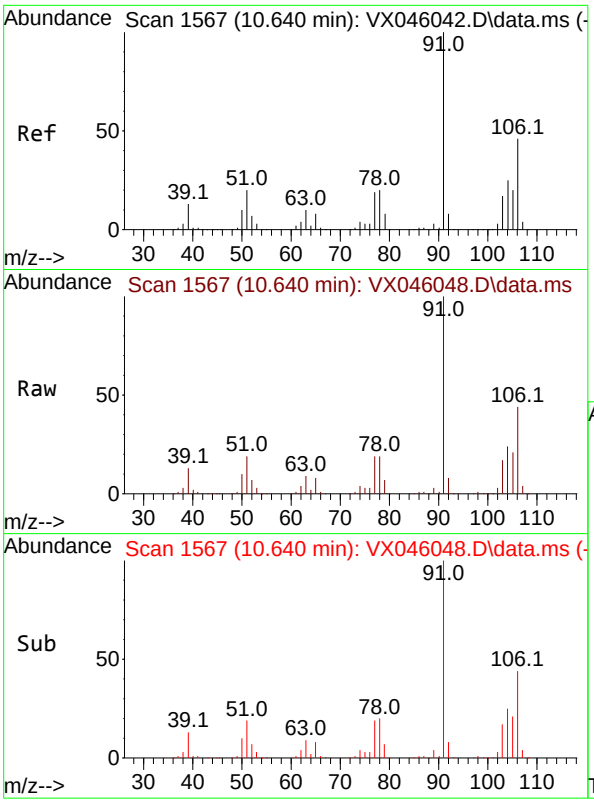


#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 206813

Ion	Ratio	Lower	Upper
106	100		
91	215.6	171.2	256.8





#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

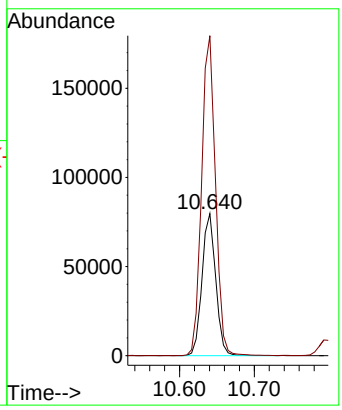
Tgt Ion:106 Resp: 10146

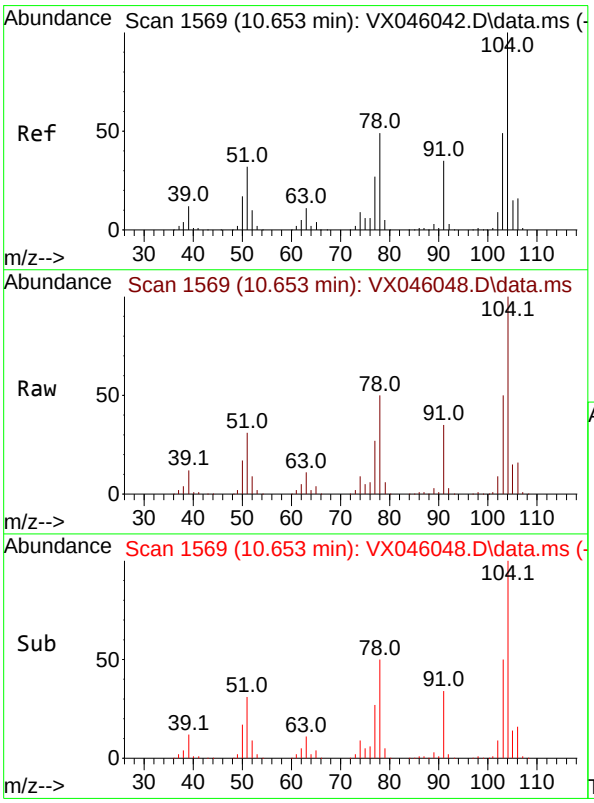
Ion	Ratio	Lower	Upper
106	100		
91	227.7	112.7	338.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

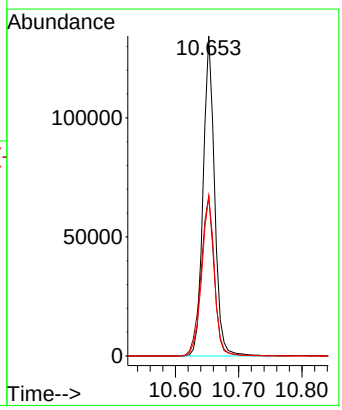


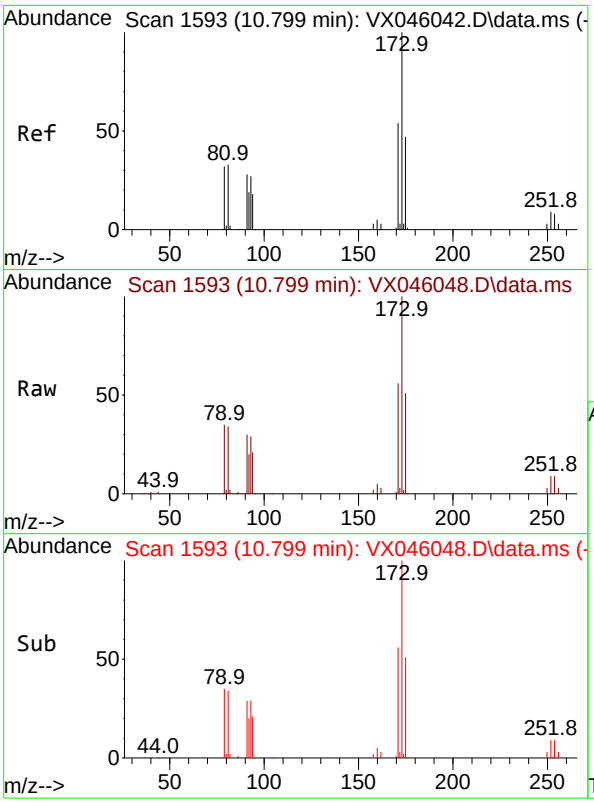


#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:104 Resp: 169703

Ion	Ratio	Lower	Upper
104	100		
78	57.6	45.7	68.5
103	55.5	43.7	65.5

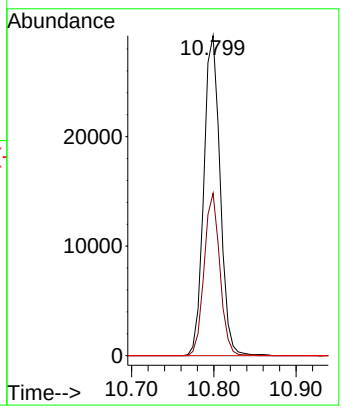




#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:173 Resp: 4036

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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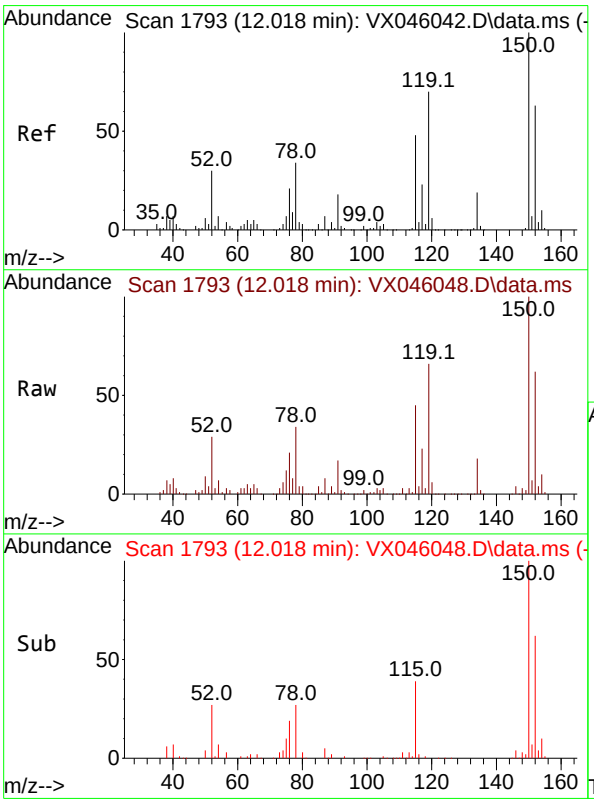
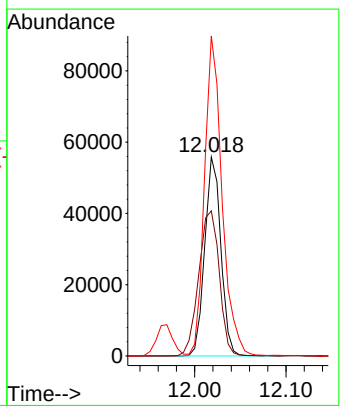
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

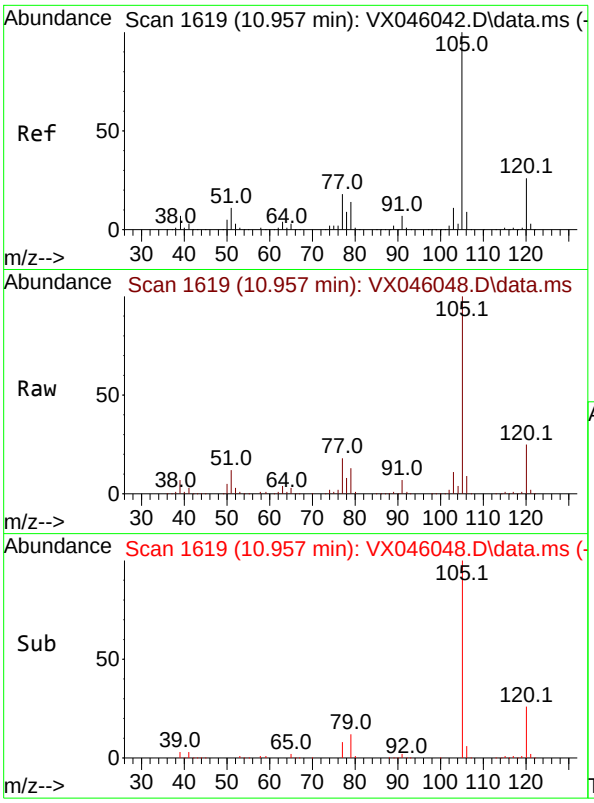


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:152 Resp: 68229

Ion	Ratio	Lower	Upper
152	100		
115	93.3	46.9	140.7
150	175.3	0.0	351.0





#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 26948

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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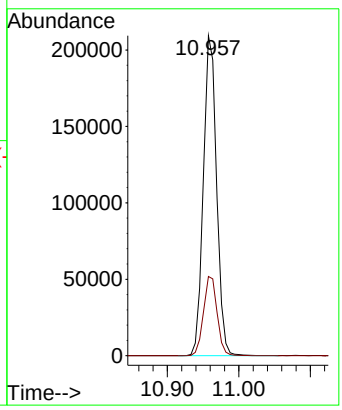
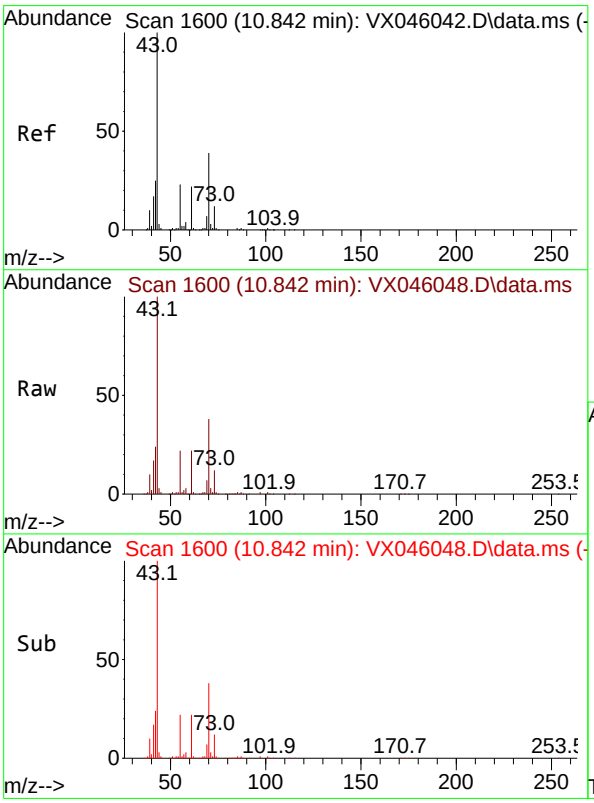
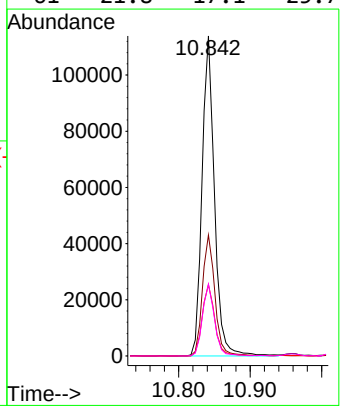


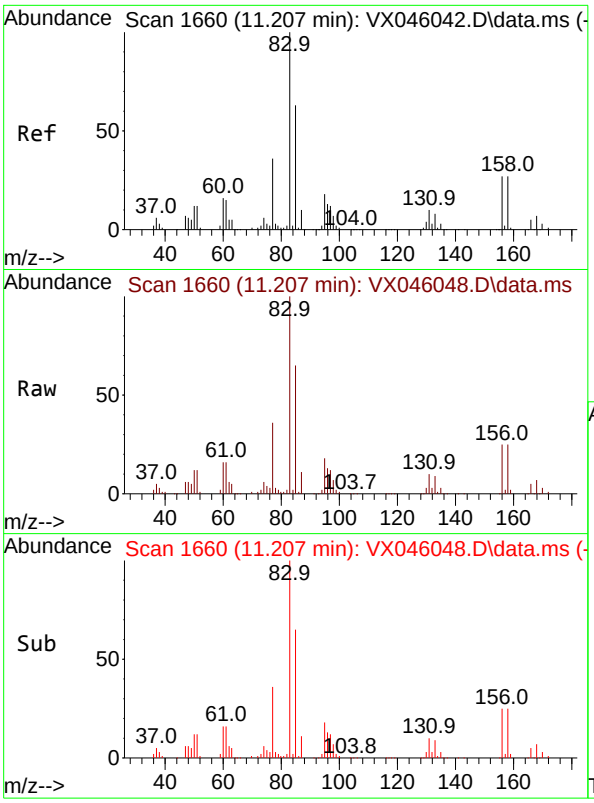


#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 137559

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	22.7	18.7	28.1
61	21.8	17.1	25.7

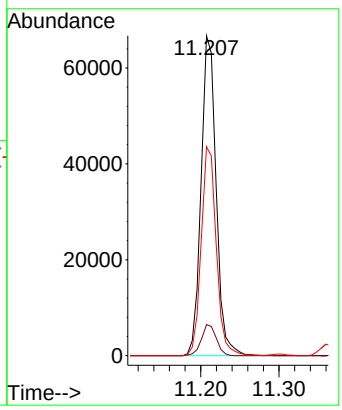




#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 8902

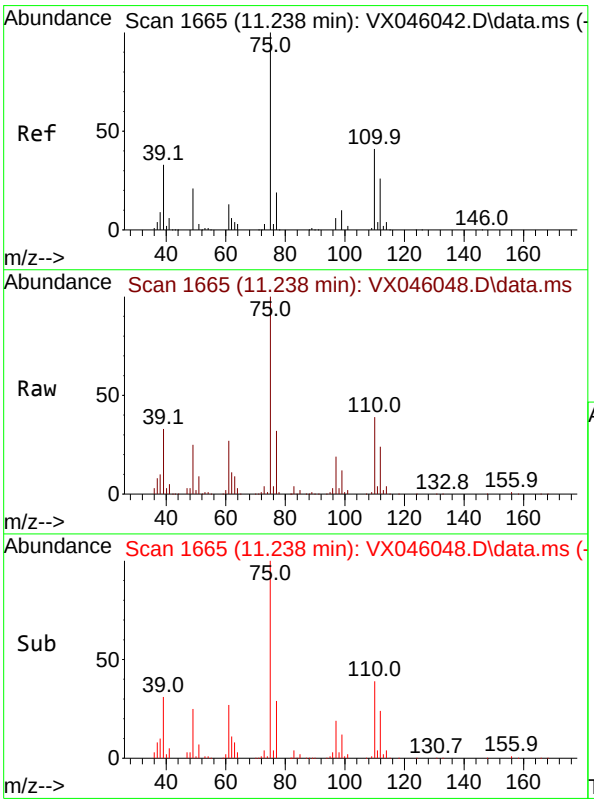
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

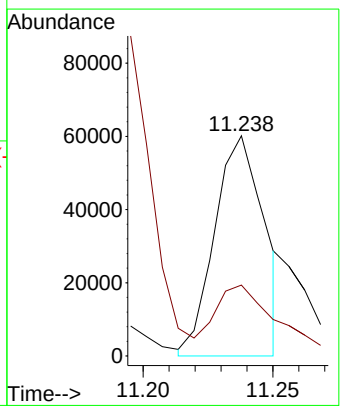
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

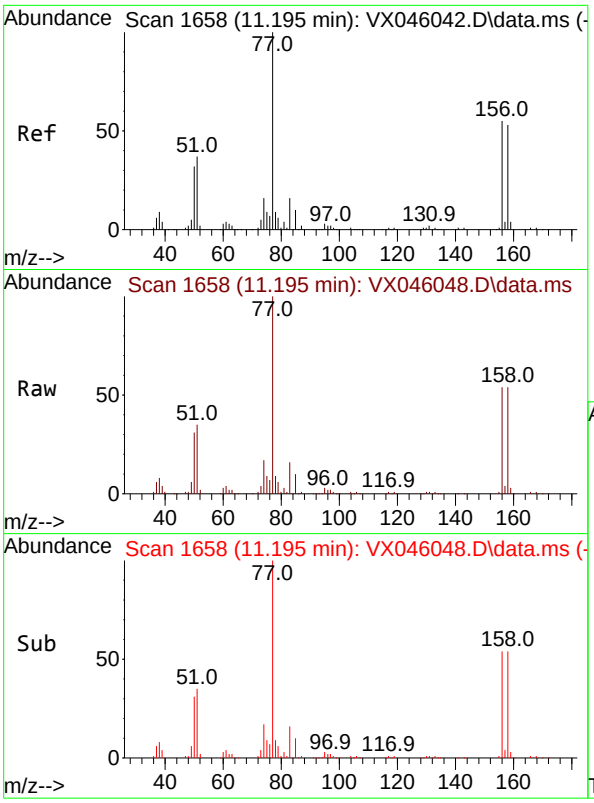


#76
1,2,3-Trichloropropane
Concen: 48.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 79763

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.5	61.5

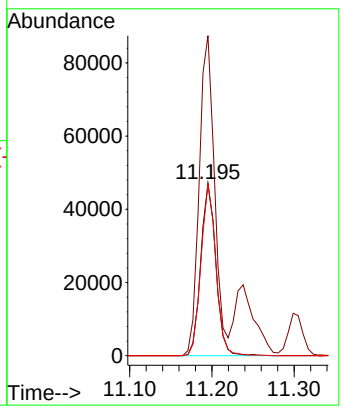




#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:156 Resp: 5987

Ion	Ratio	Lower	Upper
156	100		
77	189.0	92.8	278.3
158	98.9	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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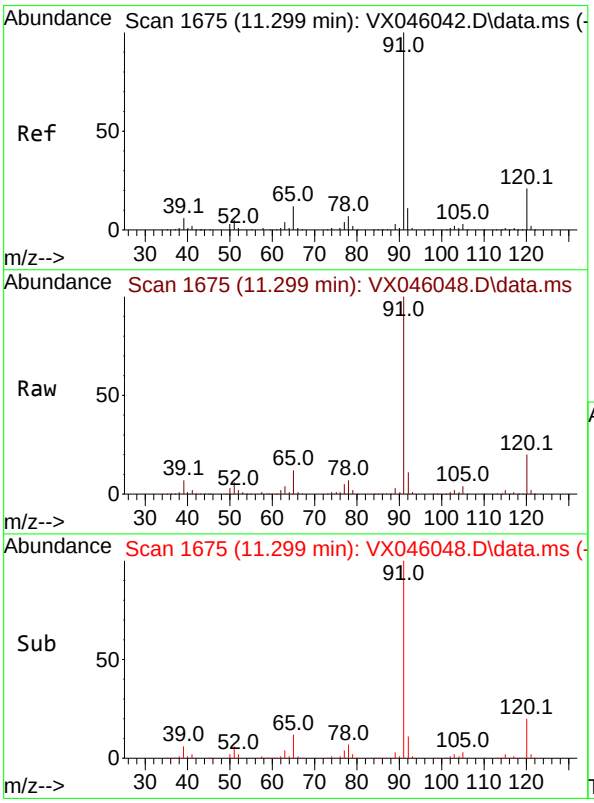
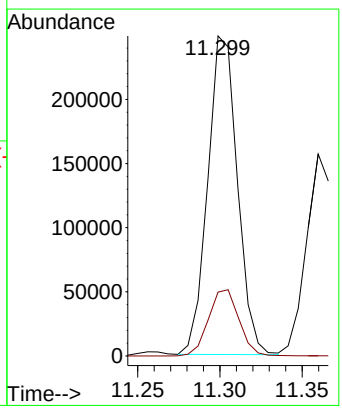
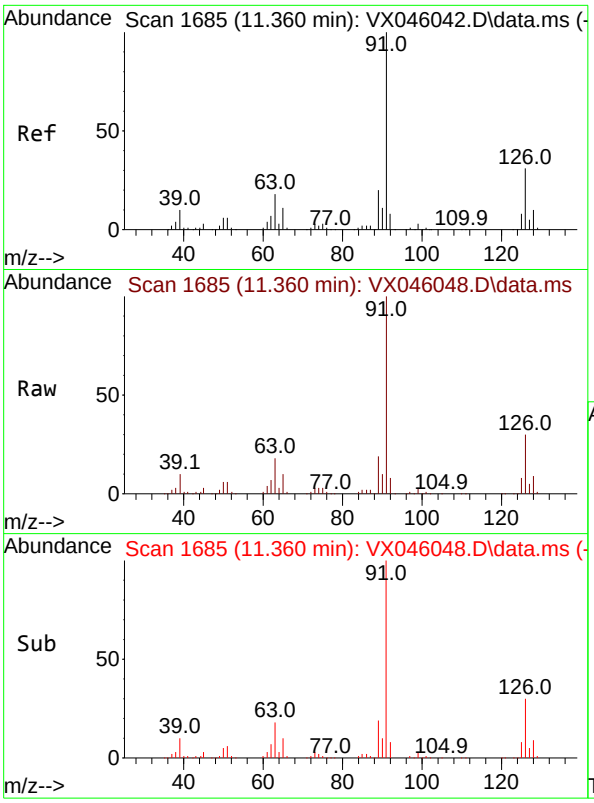


#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

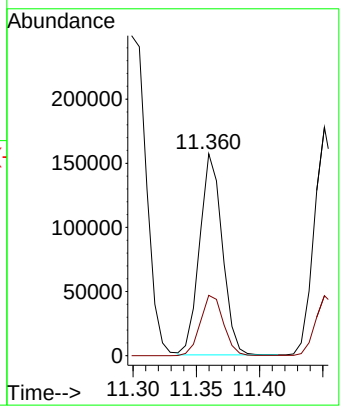




#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 19563

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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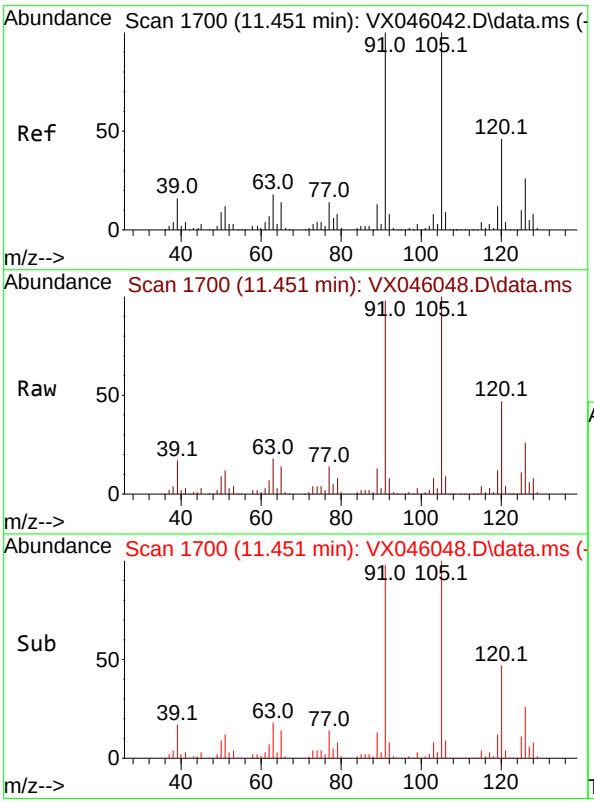
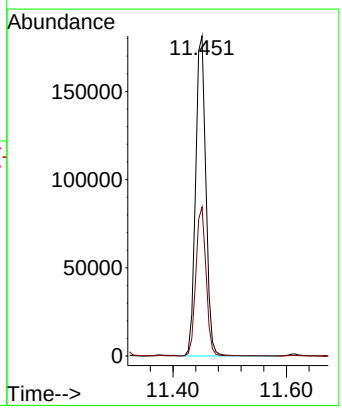
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

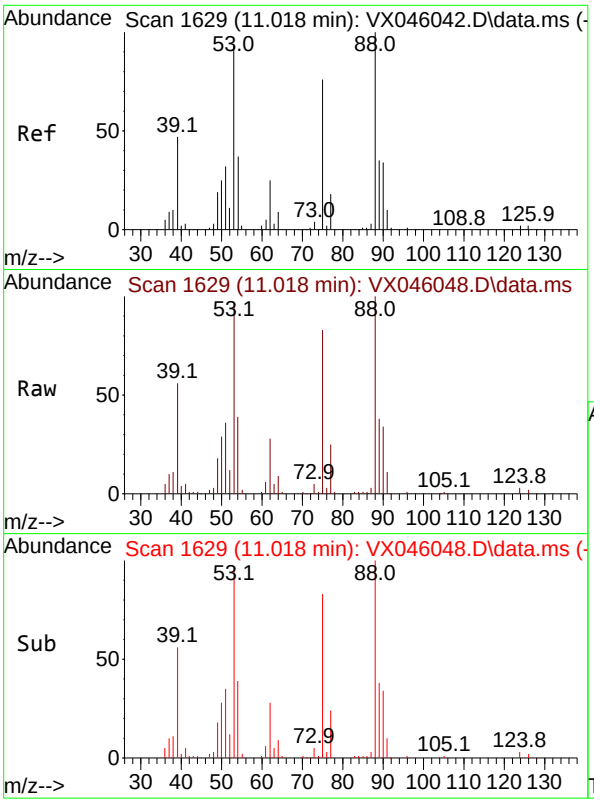


#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2

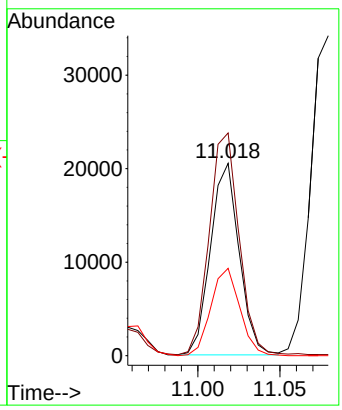




#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 2485

Ion	Ratio	Lower	Upper
75	100		
53	122.3	100.5	150.7
89	46.2	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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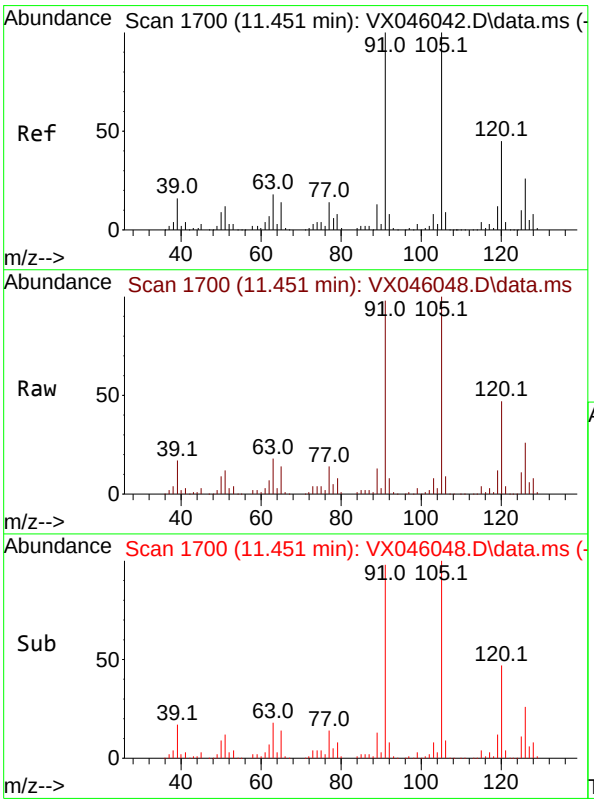
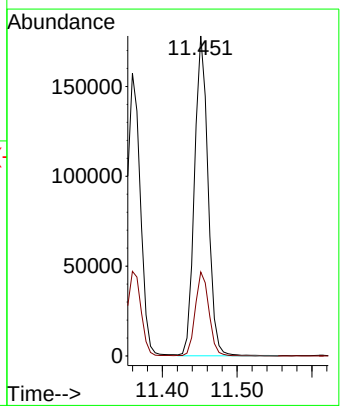
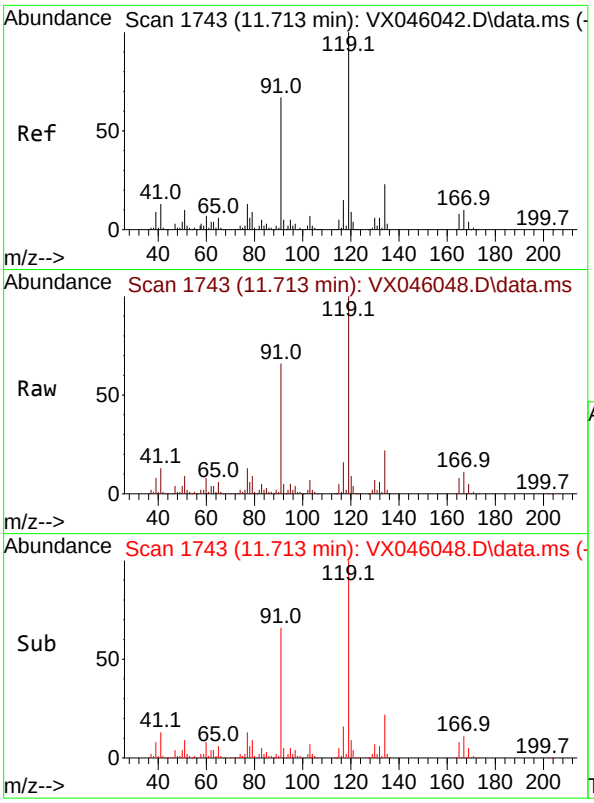


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

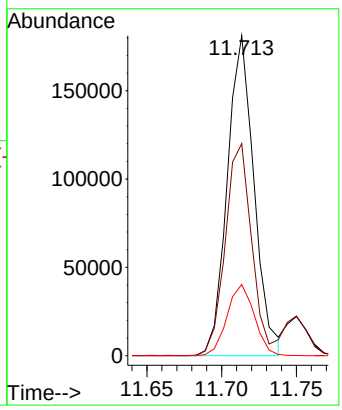




#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 22578

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.9	98.7
134	22.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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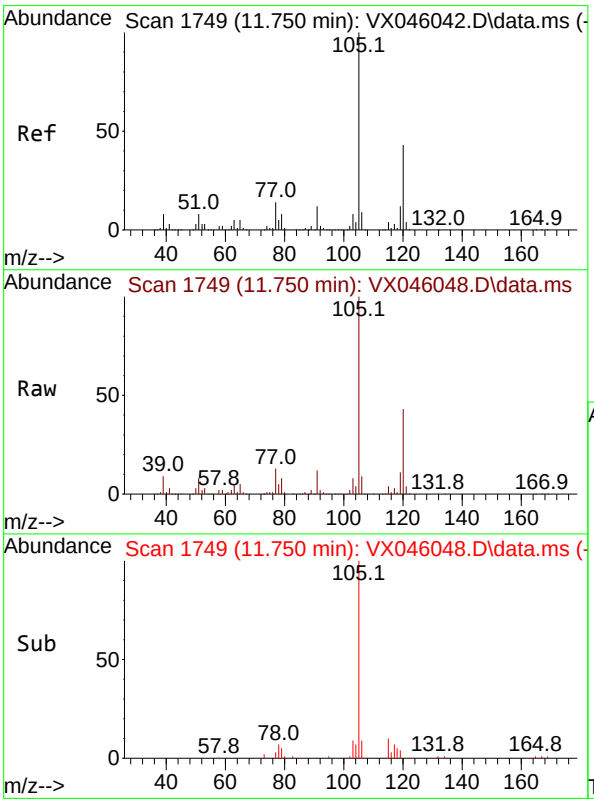
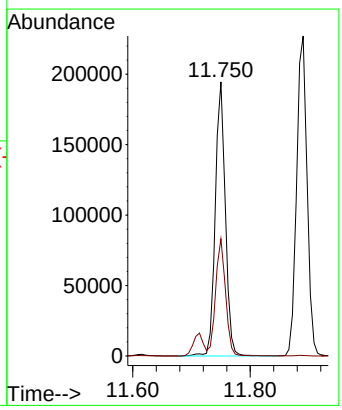
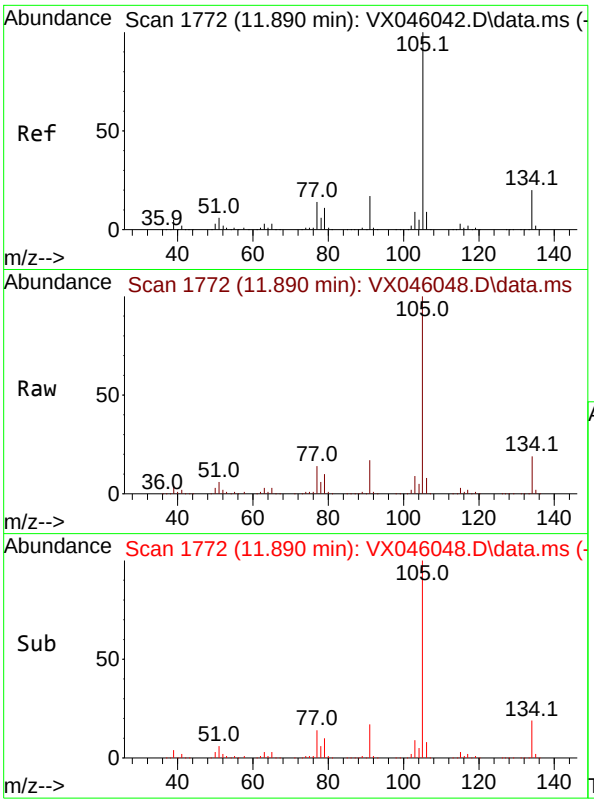


#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 231371

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.2	63.6





#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 28057

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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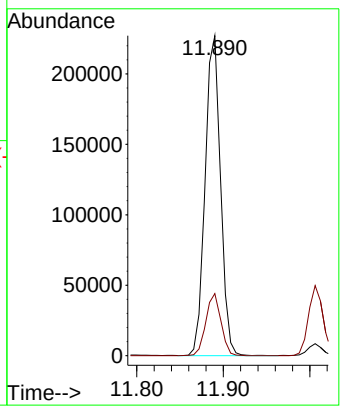
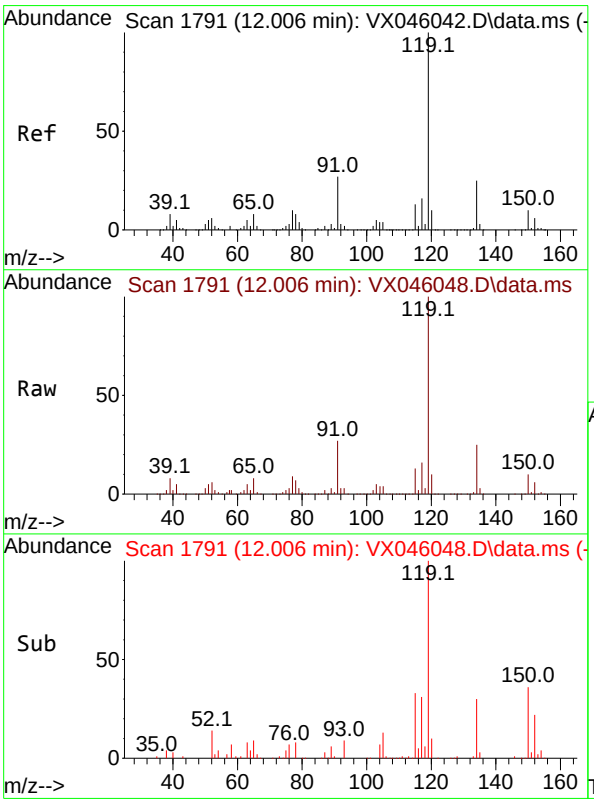
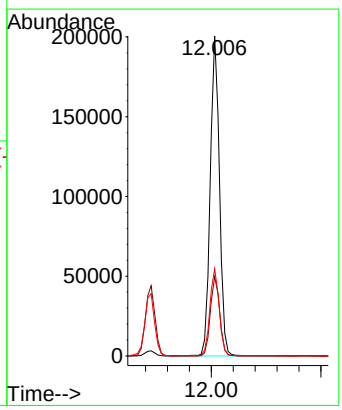


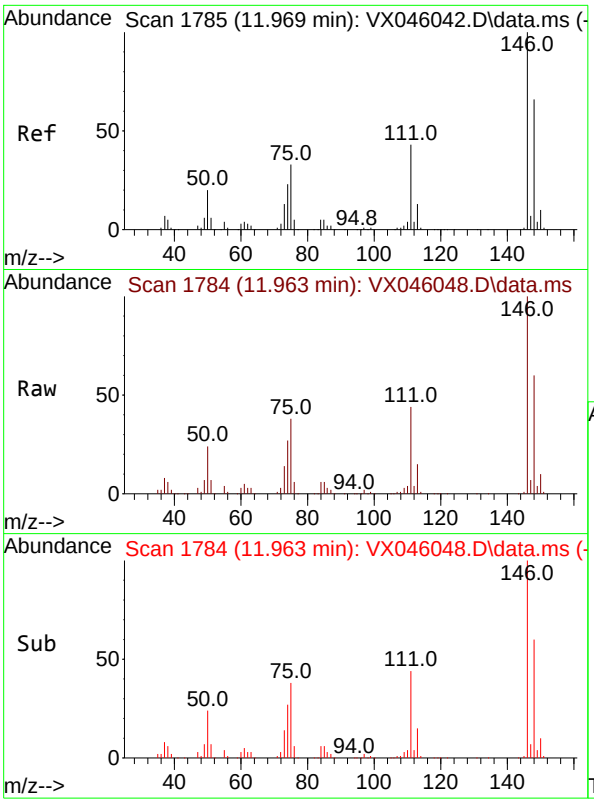


#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 231942

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.5	13.8	41.4

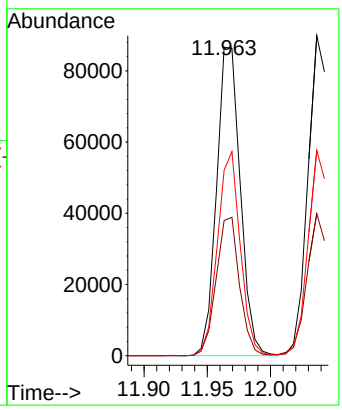




#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11314

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations
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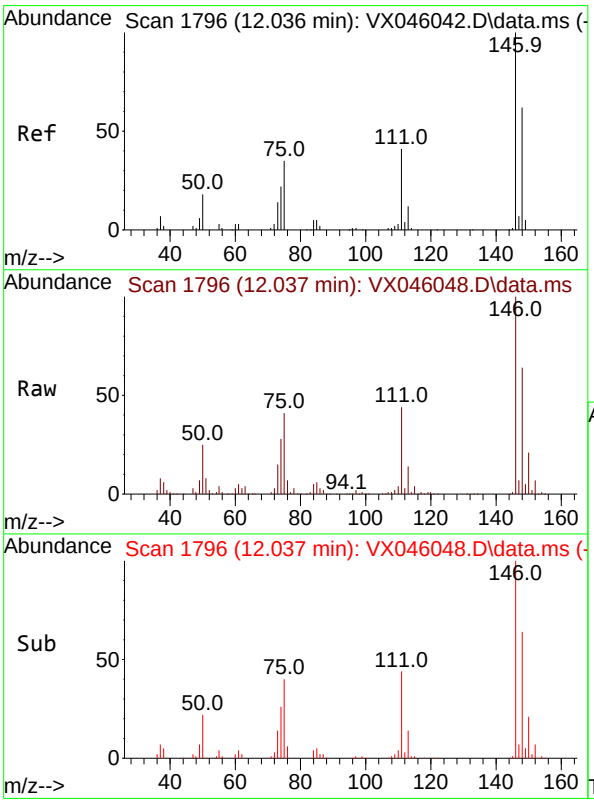
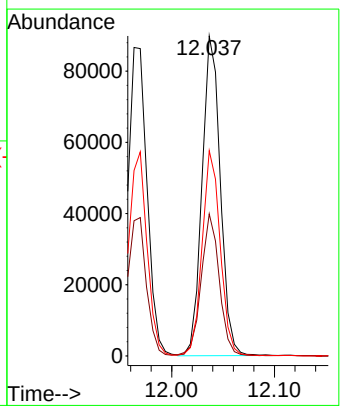
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

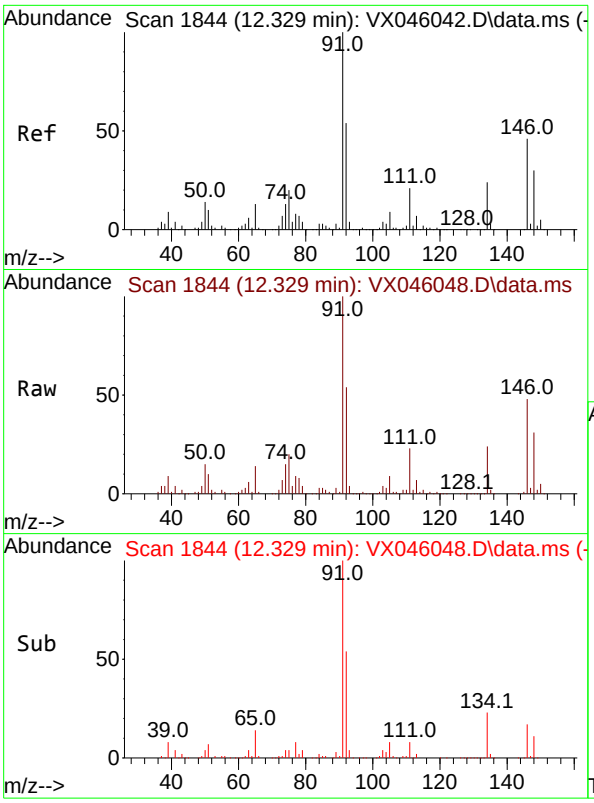


#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 111173

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.9
148	63.3	31.9	95.5





#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

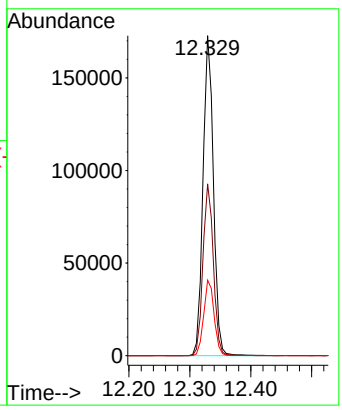
Tgt Ion: 91 Resp: 20585

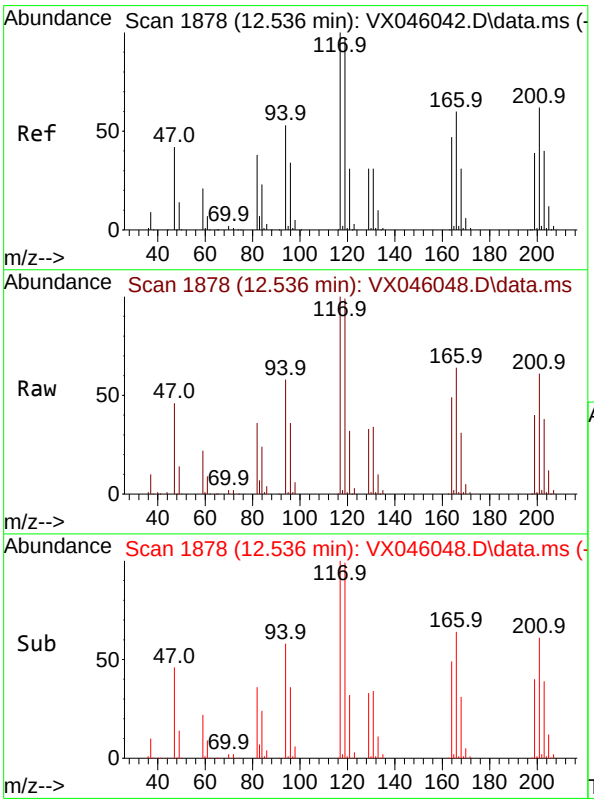
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

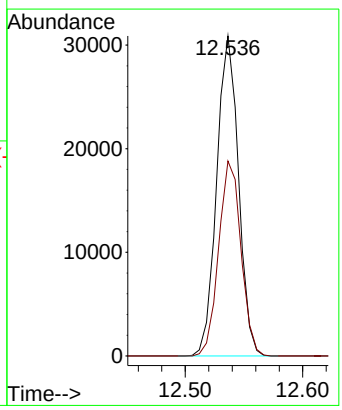


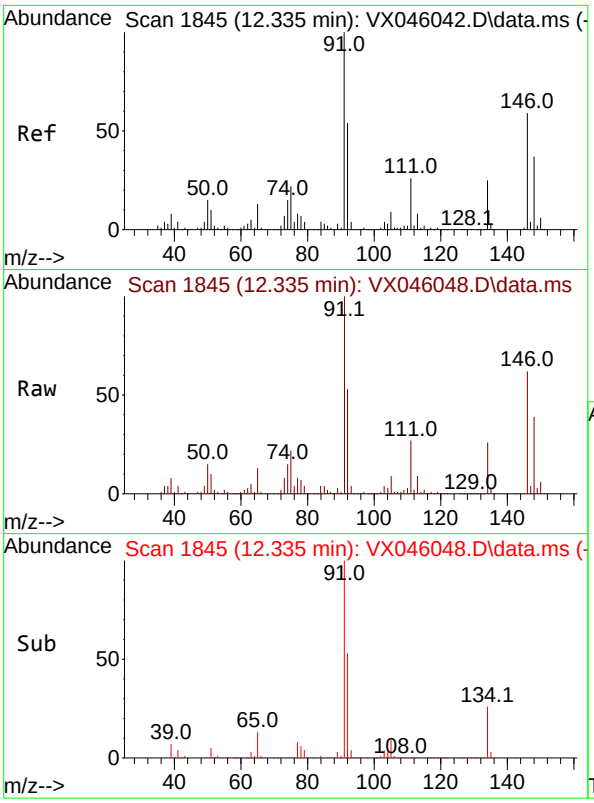


#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7

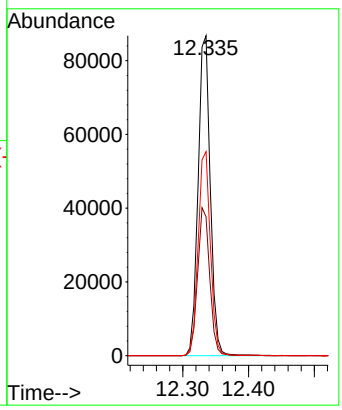




#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11148

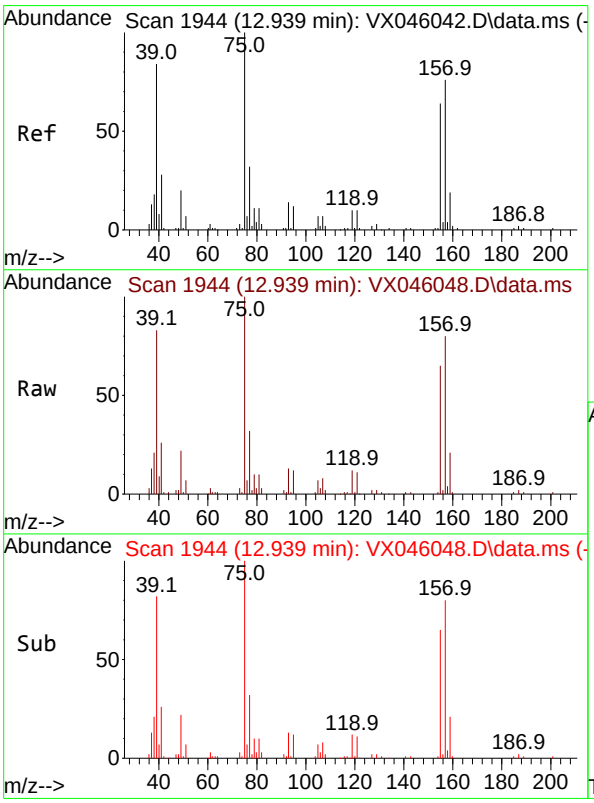
Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

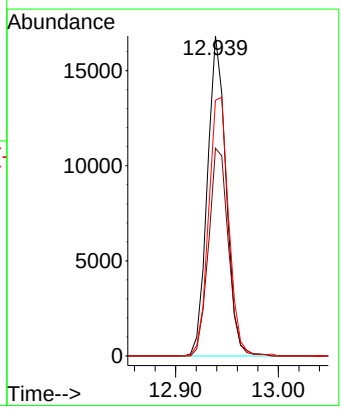
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

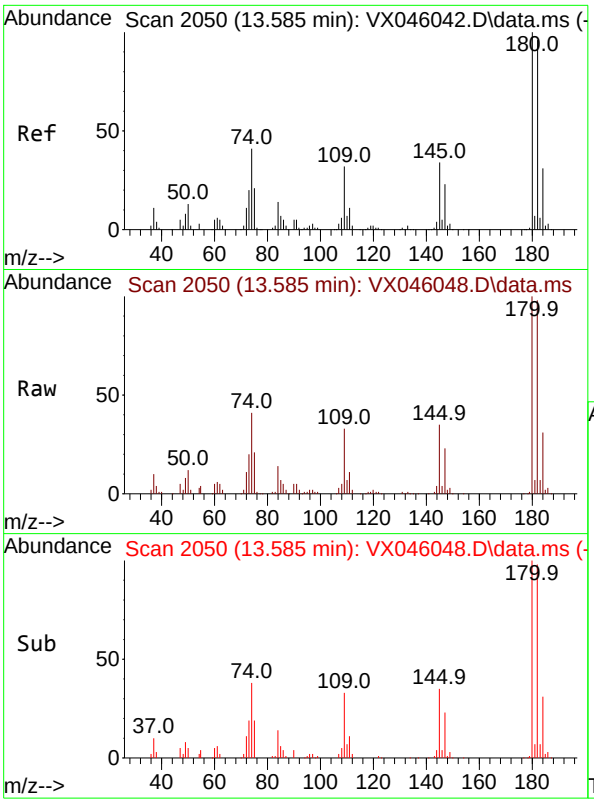


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 21220

Ion	Ratio	Lower	Upper
75	100		
155	68.6	34.9	104.8
157	86.7	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

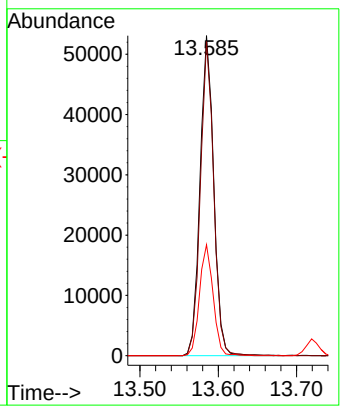
Tgt Ion:180 Resp: 6442

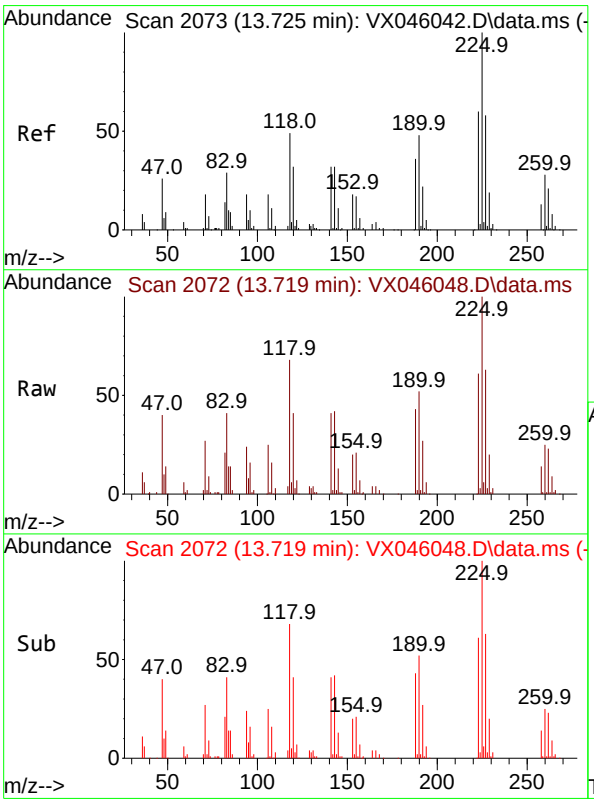
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	34.4	17.1	51.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

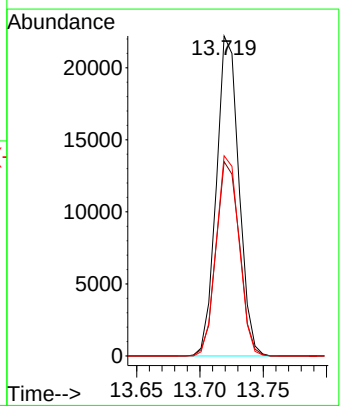


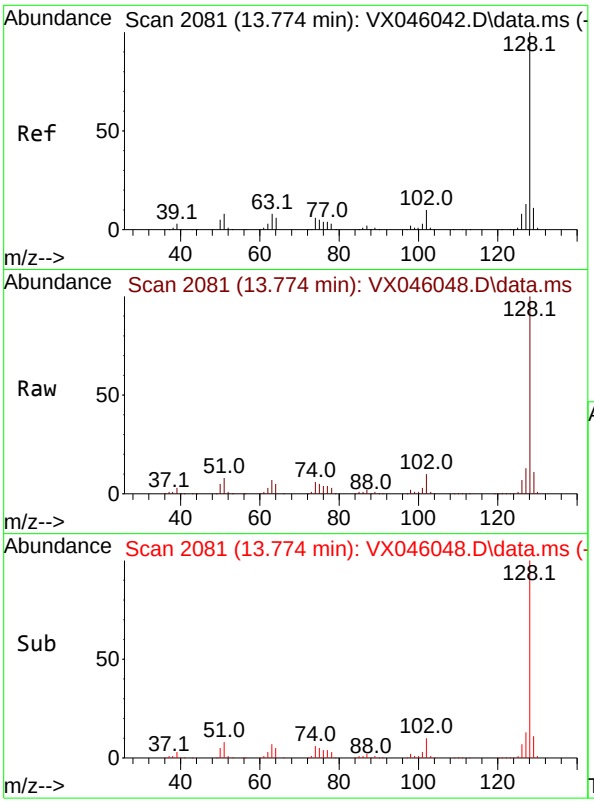


#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:225 Resp: 27425

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	63.7	30.9	92.7

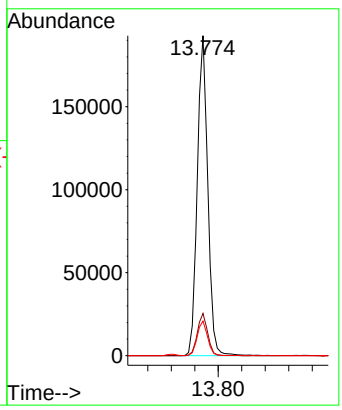




#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:128 Resp: 23980

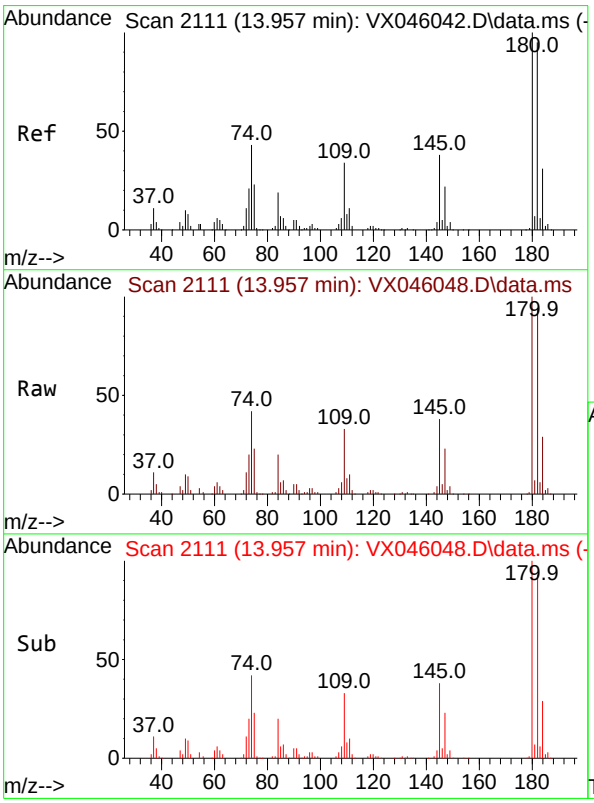
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

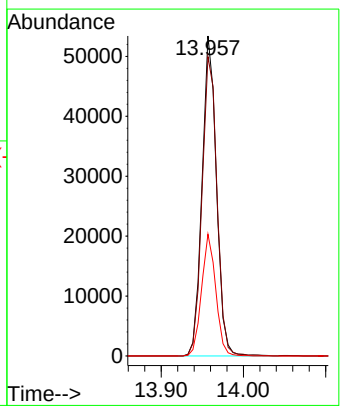
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.525 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 64950

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.8	143.3
145	37.5	18.1	54.3



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	95	0.00
2	T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3	P	Chloromethane	0.742	0.781	-5.3	96	0.00
4	C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5	T	Bromomethane	0.320	0.324	-1.3	95	0.00
6	T	Chloroethane	0.369	0.385	-4.3	97	0.00
7	T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8	T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10	T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12	CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13	T	Acrolein	0.149	0.139	6.7	87	0.00
14	T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15	T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16	T	Acetone	0.374	0.367	1.9	97	0.00
17	T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18	T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19	T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20	T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23	T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25	T	2-Butanone	0.543	0.558	-2.8	96	0.00
26	T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28	T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29	T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30	C	Chloroform	1.271	1.305	-2.7#	96	0.00
31	T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36	T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37	T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38	T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39	T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40	TM	Benzene	1.417	1.439	-1.6	95	0.00
41	T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42	TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43	T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44	TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46	T	Dibromomethane	0.278	0.278	0.0	94	0.00
47	T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	0.009	0.009	0.0	100	0.00
50	S	Toluene-d8	1.246	1.221	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52	CM	Toluene	0.869	0.889	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56	T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57	T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59	T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60	T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61	T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62	S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65	PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67	C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68	T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69	T	o-Xylene	0.688	0.699	-1.6	95	0.00
70	T	Styrene	1.127	1.170	-3.8	95	0.00
71	P	Bromoform	0.281	0.278	1.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74	T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76	T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77	T	Bromobenzene	0.904	0.878	2.9	95	0.00
78	T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79	T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82	T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83	T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85	T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86	T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89	T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90	T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91	T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94	T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95	T	Naphthalene	3.487	3.515	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	0.981	0.952	3.0	94	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\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	95	0.00
2	T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3	P	Chloromethane	50.000	52.592	-5.2	96	0.00
4	C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5	T	Bromomethane	50.000	50.627	-1.3	95	0.00
6	T	Chloroethane	50.000	52.271	-4.5	97	0.00
7	T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8	T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10	T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11	T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12	CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13	T	Acrolein	250.000	232.505	7.0	87	0.00
14	T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15	T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16	T	Acetone	250.000	245.518	1.8	97	0.00
17	T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18	T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19	T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20	T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22	T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23	T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24	P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25	T	2-Butanone	250.000	257.110	-2.8	96	0.00
26	T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28	T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29	T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30	C	Chloroform	50.000	51.332	-2.7#	96	0.00
31	T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36	T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37	T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38	T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39	T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40	TM	Benzene	50.000	50.759	-1.5	95	0.00
41	T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43	T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44	TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45	C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46	T	Dibromomethane	50.000	49.978	0.0	94	0.00
47	T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48	T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	1059.599	-6.0	100	0.00
50	S	Toluene-d8	50.000	48.984	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52	CM	Toluene	50.000	51.150	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56	T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57	T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59	T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60	T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61	T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65	PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67	C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68	T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69	T	o-Xylene	50.000	50.841	-1.7	95	0.00
70	T	Styrene	50.000	51.907	-3.8	95	0.00
71	P	Bromoform	50.000	49.583	0.8	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74	T	N-amyl acetate	50.000	52.407	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77	T	Bromobenzene	50.000	48.549	2.9	95	0.00
78	T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79	T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83	T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85	T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89	T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90	T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91	T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94	T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95	T	Naphthalene	50.000	50.404	-0.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	48.525	3.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6
n-propylbenzene	5.031	5.047	4.904	5.127	4.865	5.006	4.996	1.9
1,3,5-Trimethylbenzene	3.393	3.386	3.275	3.410	3.251	3.349	3.344	2
tert-Butylbenzene	3.037	2.974	2.900	3.029	2.879	3.014	2.972	2.3
1,2,4-Trimethylbenzene	3.189	3.349	3.206	3.413	3.329	3.431	3.319	3.1
sec-Butylbenzene	4.390	4.461	4.318	4.573	4.307	4.421	4.412	2.2
p-Isopropyltoluene	3.598	3.610	3.573	3.818	3.754	3.911	3.710	3.7
n-Butylbenzene	3.419	3.500	3.491	3.668	3.452	3.533	3.510	2.5
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3

* 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 GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025
Response Via : Initial Calibration

Calibration Files
5 =VY022253.D 10 =VY022254.D 20 =VY022255.D 50 =VY022256.D 100 =VY022257.D 150 =VY022258.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.51
3)	P	Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.72
4)	C	Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.91#
5)	T	Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.33
6)	T	Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.56
7)	T	Trichlorofluor...	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.64
8)	T	Diethyl Ether	0.305	0.320	0.283	0.294	0.295	0.291	0.298	4.33
9)	T	1,1,2-Trichlor...	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.50
10)	T	Methyl Iodide	0.559	0.586	0.620	0.687	0.651	0.638	0.624	7.35
11)	T	Tert butyl alc...	0.045	0.045	0.037	0.039	0.042	0.042	0.042	7.70
12)	CM	1,1-Dichloroet...	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.17#
13)	T	Acrolein	0.068	0.068	0.057	0.056	0.058	0.058	0.061	8.63
14)	T	Allyl chloride	0.888	0.967	0.949	0.959	0.932	0.931	0.938	3.00
15)	T	Acrylonitrile	0.123	0.126	0.115	0.120	0.127	0.126	0.123	3.79
16)	T	Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.64
17)	T	Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.20
18)	T	Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.55
19)	T	Methyl tert-bu...	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.22
20)	T	Methylene Chlo...	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.28
21)	T	trans-1,2-Dich...	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.22
22)	T	Diisopropyl ether	1.947	2.009	1.937	1.986	2.003	2.001	1.980	1.57
23)	T	Vinyl Acetate	1.214	1.225	1.134	1.174	1.214	1.218	1.196	2.99
24)	P	1,1-Dichloroet...	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.73
25)	T	2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.60
26)	T	2,2-Dichloropr...	0.994	1.024	0.971	0.987	0.961	0.968	0.984	2.33
27)	T	cis-1,2-Dichlo...	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.91
28)	T	Bromochloromet...	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.62
29)	T	Tetrahydrofuran	0.105	0.116	0.102	0.107	0.116	0.116	0.110	5.98
30)	C	Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.66#
31)	T	Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.63
32)	T	1,1,1-Trichlor...	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.43
33)	S	1,2-Dichloroet...	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.24
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.17
36)	T	1,1-Dichloropr...	0.474	0.502	0.488	0.505	0.484	0.496	0.492	2.39
37)	T	Ethyl Acetate	0.253	0.231	0.219	0.234	0.240	0.241	0.237	4.87
38)	T	Carbon Tetrach...	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.18
39)	T	Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.30
40)	TM	Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.37
41)	T	Methacrylonitrile	0.153	0.182	0.148	0.158	0.148	0.152	0.157	8.18
42)	TM	1,2-Dichloroet...	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.86
43)	T	Isopropyl Acetate	0.510	0.527	0.480	0.514	0.534	0.530	0.516	3.83
44)	TM	Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.48
45)	C	1,2-Dichloropr...	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.58#
46)	T	Dibromomethane	0.189	0.192	0.180	0.189	0.193	0.194	0.189	2.59
47)	T	Bromodichlorom...	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.42
48)	T	Methyl methacr...	0.228	0.238	0.224	0.240	0.259	0.259	0.241	6.19
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.33
50)	S	Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.26
51)	T	4-Methyl-2-Pen...	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.43
52)	CM	Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.82#
53)	T	t-1,3-Dichloro...	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.71
54)	T	cis-1,3-Dichlo...	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.22
55)	T	1,1,2-Trichlor...	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.42
56)	T	Ethyl methacry...	0.370	0.362	0.354	0.381	0.398	0.403	0.378	5.26

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y051525S.M

57)	T	1,3-Dichloropr...	0.418	0.436	0.413	0.438	0.442	0.440	0.431	2.80
58)	T	2-Chloroethyl ...	0.141	0.150	0.144	0.183	0.197	0.203	0.170	16.60
59)	T	2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.38
60)	T	Dibromochlorom...	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.88
61)	T	1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.22
62)	S	4-Bromofluorob...	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.25
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.37
65)	PM	Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.87
66)	T	1,1,1,2-Tetrac...	0.373	0.377	0.372	0.394	0.399	0.411	0.388	4.14
67)	C	Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.13#
68)	T	m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.16
69)	T	o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.93
70)	T	Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.28
71)	P	Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.53
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.60
74)	T	N-amyl acetate	1.195	1.173	1.114	1.159	1.235	1.232	1.185	3.91
75)	P	1,1,2,2-Tetrac...	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.77
76)	T	1,2,3-Trichlor...	0.522	0.467	0.516	0.501	0.521	0.514	0.507	4.12
77)	T	Bromobenzene	0.887	0.885	0.848	0.895	0.889	0.904	0.885	2.17
78)	T	n-propylbenzene	5.031	5.047	4.904	5.127	4.865	5.006	4.996	1.93
79)	T	2-Chlorotoluene	2.715	2.786	2.694	2.804	2.704	2.772	2.746	1.71
80)	T	1,3,5-Trimethy...	3.393	3.386	3.275	3.410	3.251	3.349	3.344	1.98
81)	T	trans-1,4-Dich...	0.269	0.260	0.241	0.237	0.246	0.248	0.250	4.80
82)	T	4-Chlorotoluene	2.801	2.829	2.744	2.907	2.797	2.867	2.824	2.02
83)	T	tert-Butylbenzene	3.037	2.974	2.900	3.029	2.879	3.014	2.972	2.29
84)	T	1,2,4-Trimethy...	3.189	3.349	3.206	3.413	3.329	3.431	3.319	3.07
85)	T	sec-Butylbenzene	4.390	4.461	4.318	4.573	4.307	4.421	4.412	2.24
86)	T	p-Isopropyltol...	3.598	3.610	3.573	3.818	3.754	3.911	3.710	3.72
87)	T	1,3-Dichlorobe...	1.757	1.774	1.715	1.838	1.839	1.914	1.806	3.96
88)	T	1,4-Dichlorobe...	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.39
89)	T	n-Butylbenzene	3.419	3.500	3.490	3.668	3.452	3.533	3.510	2.47
90)	T	Hexachloroethane	0.773	0.759	0.736	0.761	0.726	0.740	0.749	2.36
91)	T	1,2-Dichlorobe...	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.27
92)	T	1,2-Dibromo-3-...	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.68
93)	T	1,2,4-Trichlor...	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.23
94)	T	Hexachlorobuta...	0.511	0.485	0.496	0.502	0.474	0.464	0.489	3.56
95)	T	Naphthalene	1.704	1.579	1.527	1.653	1.778	1.737	1.663	5.78
96)	T	1,2,3-Trichlor...	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.64

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	276170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	174003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	15118	5.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.020%#		
35) Dibromofluoromethane	7.634	113	13854	4.933	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.860%#		
50) Toluene-d8	10.109	98	57575	5.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	10.020%#		
62) 4-Bromofluorobenzene	12.408	95	18328	5.028	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.060%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	15071	5.230	ug/l	96
3) Chloromethane	2.068	50	33477	5.523	ug/l	100
4) Vinyl Chloride	2.208	62	34943	5.159	ug/l	96
5) Bromomethane	2.598	94	30561	5.543	ug/l	99
6) Chloroethane	2.739	64	20741	4.923	ug/l	97
7) Trichlorofluoromethane	3.056	101	34641	5.052	ug/l	98
8) Diethyl Ether	3.458	74	8435	5.126	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	15124	5.081	ug/l	95
10) Methyl Iodide	4.013	142	15449	4.484	ug/l	99
11) Tert butyl alcohol	4.879	59	6159	26.722	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	15064	5.099	ug/l	93
13) Acrolein	3.653	56	9366	27.796	ug/l	94
14) Allyl chloride	4.385	41	24537	4.737	ug/l	94
15) Acrylonitrile	5.061	53	17036	25.125	ug/l	100
16) Acetone	3.879	43	17340	30.639	ug/l	91
17) Carbon Disulfide	4.110	76	48817	5.068	ug/l	99
18) Methyl Acetate	4.391	43	9639m	5.597	ug/l	
19) Methyl tert-butyl Ether	5.128	73	40392	4.959	ug/l	97
20) Methylene Chloride	4.610	84	22002	6.016	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	15943	4.889	ug/l	85
22) Diisopropyl ether	6.025	45	53760	4.915	ug/l	97
23) Vinyl Acetate	5.964	43	167594	25.361	ug/l	96
24) 1,1-Dichloroethane	5.921	63	30712	5.026	ug/l	97
25) 2-Butanone	6.903	43	24805	26.203	ug/l	91
26) 2,2-Dichloropropane	6.884	77	27440	5.048	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	18276	4.857	ug/l	98
28) Bromochloromethane	7.250	49	12774	4.901	ug/l	98
29) Tetrahydrofuran	7.268	42	14502	23.811	ug/l	93
30) Chloroform	7.421	83	28505	4.863	ug/l	94
31) Cyclohexane	7.701	56	35904	5.880	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	27801	5.170	ug/l	96
36) 1,1-Dichloropropene	7.841	75	22314	4.824	ug/l	97
37) Ethyl Acetate	6.994	43	11910	5.352	ug/l	96
38) Carbon Tetrachloride	7.823	117	22826	4.768	ug/l	98
39) Methylcyclohexane	9.109	83	31218	5.024	ug/l	98
40) Benzene	8.085	78	64430	4.699	ug/l	94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.244	41	7201m	4.422 ug/l		
42) 1,2-Dichloroethane	8.158	62	17934	4.837 ug/l		97
43) Isopropyl Acetate	8.201	43	23979	4.941 ug/l		99
44) Trichloroethene	8.872	130	16852	4.943 ug/l		95
45) 1,2-Dichloropropane	9.146	63	15855	4.796 ug/l		95
46) Dibromomethane	9.238	93	8879	4.980 ug/l		92
47) Bromodichloromethane	9.427	83	21906	4.736 ug/l	#	95
48) Methyl methacrylate	9.225	41	10729	4.727 ug/l		98
49) 1,4-Dioxane	9.244	88	1962	97.404 ug/l	#	78
51) 4-Methyl-2-Pentanone	10.000	43	55880	23.464 ug/l		97
52) Toluene	10.170	92	41001	4.722 ug/l		99
53) t-1,3-Dichloropropene	10.396	75	21842	4.839 ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	24609	4.758 ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	11333	4.964 ug/l	#	89
56) Ethyl methacrylate	10.438	69	17420	4.898 ug/l		98
57) 1,3-Dichloropropane	10.725	76	19684	4.852 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	33215	20.807 ug/l		100
59) 2-Hexanone	10.762	43	39307	24.617 ug/l		100
60) Dibromochloromethane	10.914	129	13908	4.693 ug/l		98
61) 1,2-Dibromoethane	11.018	107	10391	4.883 ug/l		94
64) Tetrachloroethene	10.652	164	18255	5.125 ug/l		96
65) Chlorobenzene	11.444	112	42844	4.927 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	14385	4.812 ug/l		99
67) Ethyl Benzene	11.524	91	77606	4.766 ug/l		99
68) m/p-Xylenes	11.633	106	57721	9.407 ug/l		99
69) o-Xylene	11.957	106	27130	4.673 ug/l		99
70) Styrene	11.975	104	45556	4.652 ug/l		99
71) Bromoform	12.133	173	7799	4.834 ug/l	#	94
73) Isopropylbenzene	12.255	105	72325	5.017 ug/l		98
74) N-amyl acetate	12.072	43	20793	5.043 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	11422	5.152 ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	9076m	2.960 ug/l		
77) Bromobenzene	12.536	156	15441	5.015 ug/l		97
78) n-propylbenzene	12.597	91	87533	5.034 ug/l		98
79) 2-Chlorotoluene	12.682	91	47245	4.944 ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	59031	5.073 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	4676	5.373 ug/l		97
82) 4-Chlorotoluene	12.780	91	48737	4.959 ug/l		98
83) tert-Butylbenzene	12.999	119	52841	5.109 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	55488	4.804 ug/l		97
85) sec-Butylbenzene	13.176	105	76384	4.975 ug/l		97
86) p-Isopropyltoluene	13.292	119	62608	4.849 ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	30564	4.863 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	30610	5.063 ug/l		96
89) n-Butylbenzene	13.621	91	59485	4.869 ug/l		99
90) Hexachloroethane	13.883	117	13445	5.158 ug/l		96
91) 1,2-Dichlorobenzene	13.664	146	26556	5.030 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1865	5.217 ug/l		98
93) 1,2,4-Trichlorobenzene	14.926	180	14961	4.906 ug/l		94
94) Hexachlorobutadiene	15.029	225	8887	5.226 ug/l		99
95) Naphthalene	15.151	128	29654	5.124 ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	13097	5.063 ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

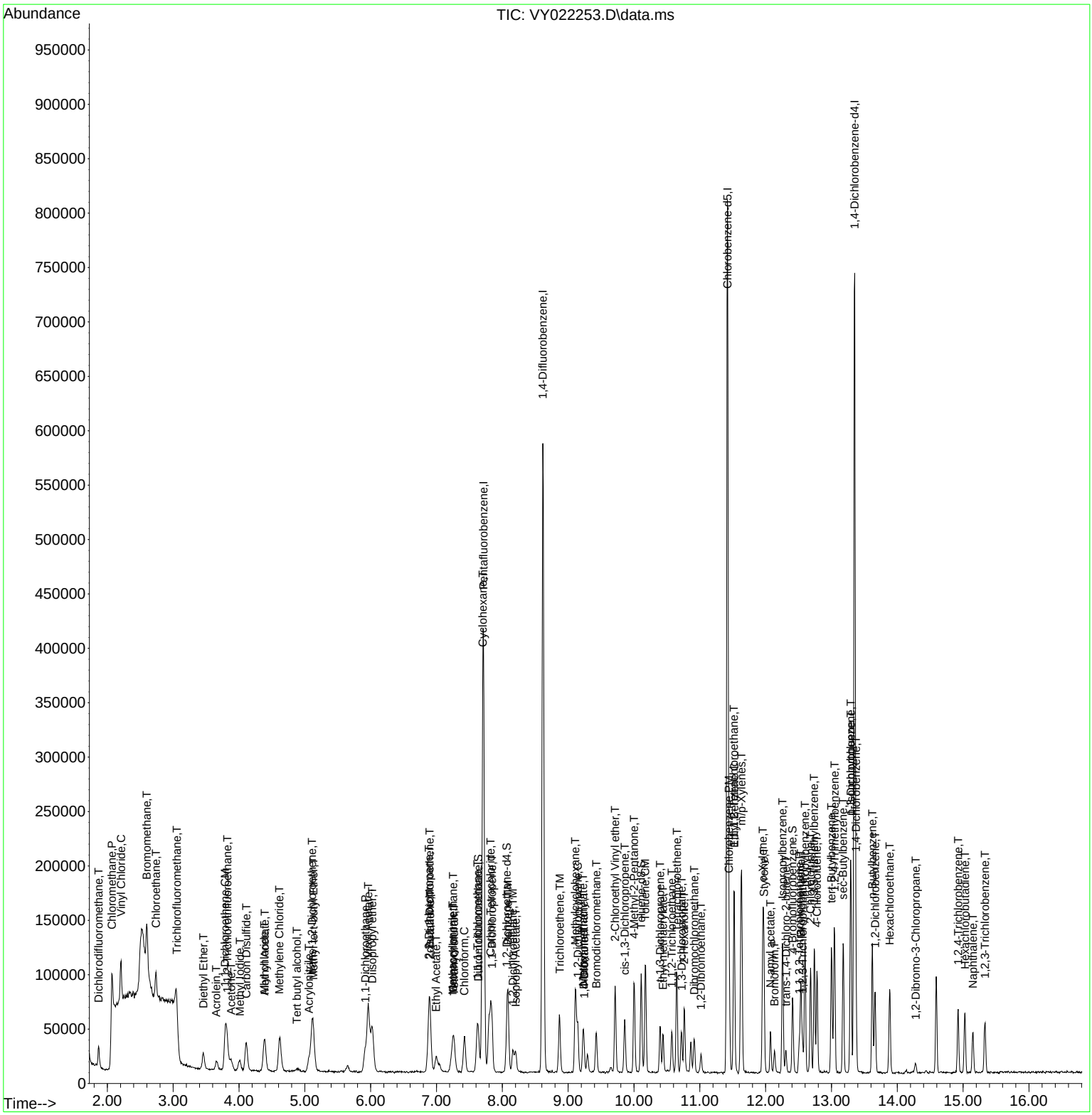
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022253.D
Acq On : 15 May 2025 09:46
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

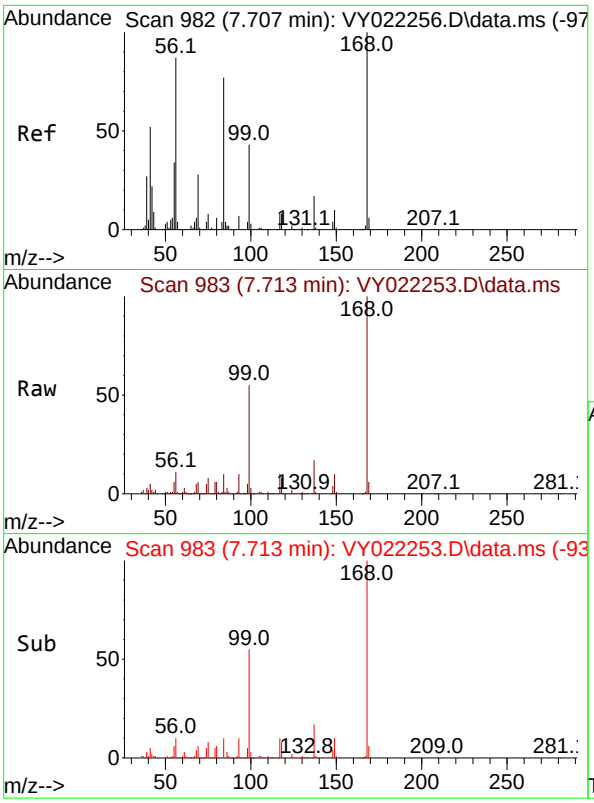
Quant Time: May 16 01:20:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

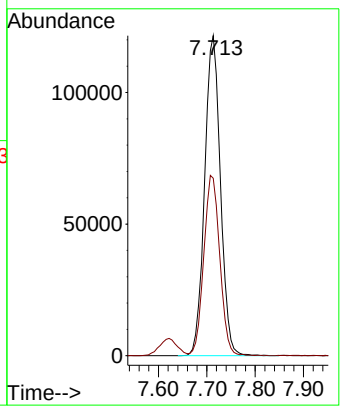
Tgt Ion:168 Resp: 27617

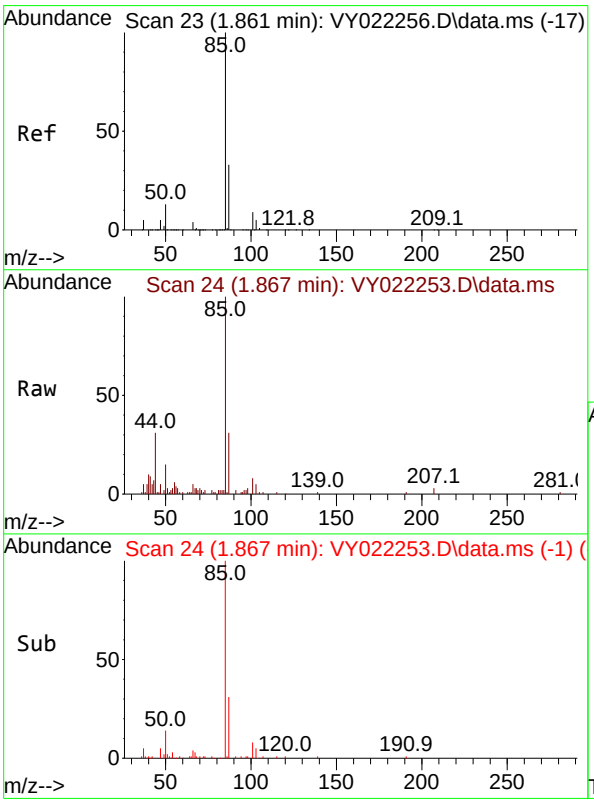
Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

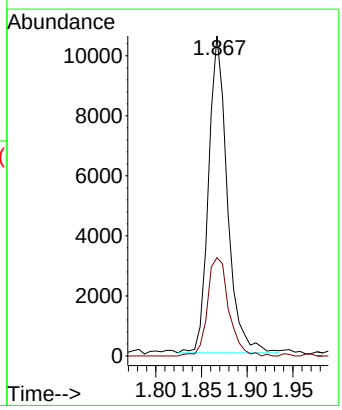


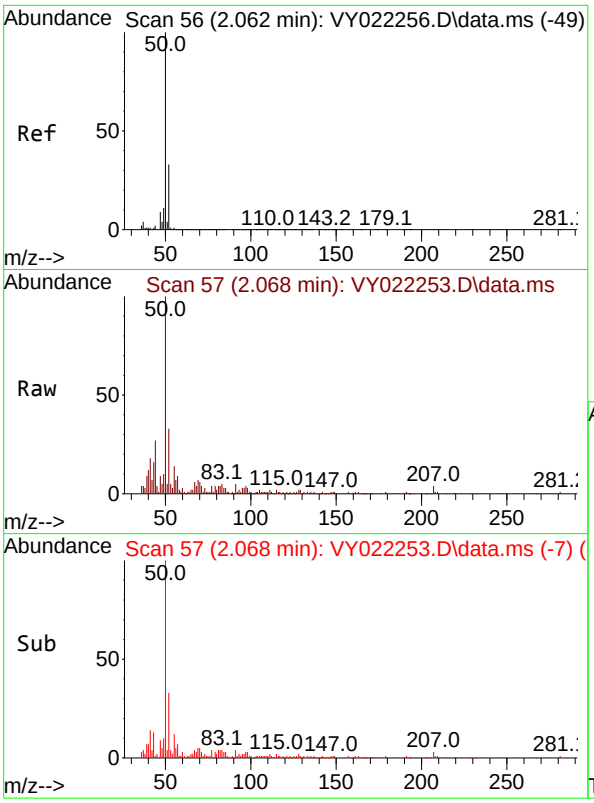


#2
Dichlorodifluoromethane
Concen: 5.230 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 85 Resp: 15071

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.5	49.5

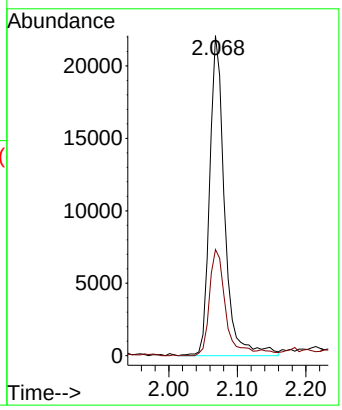




#3
Chloromethane
Concen: 5.523 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 50 Resp: 3347

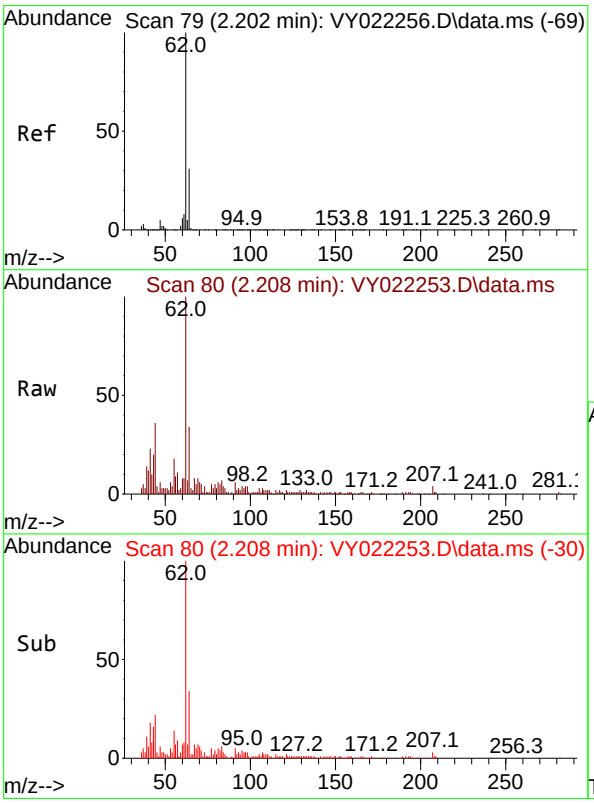
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

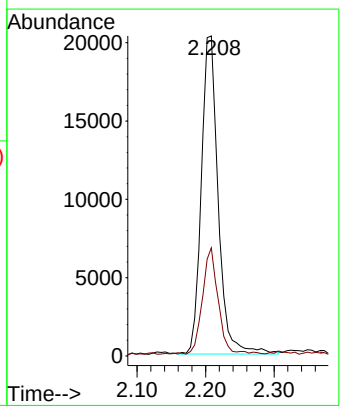
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

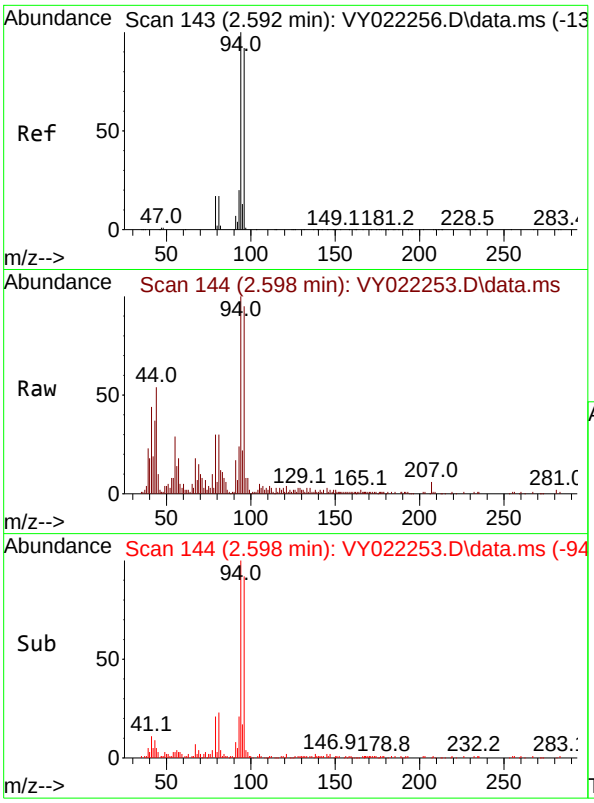


#4
Vinyl Chloride
Concen: 5.159 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 34943

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7

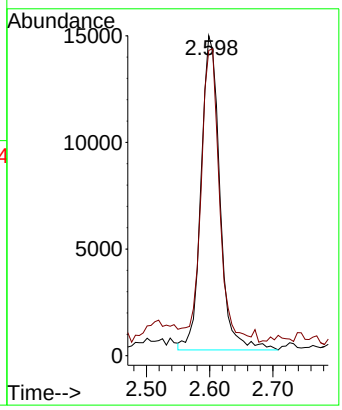




#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 94 Resp: 3056

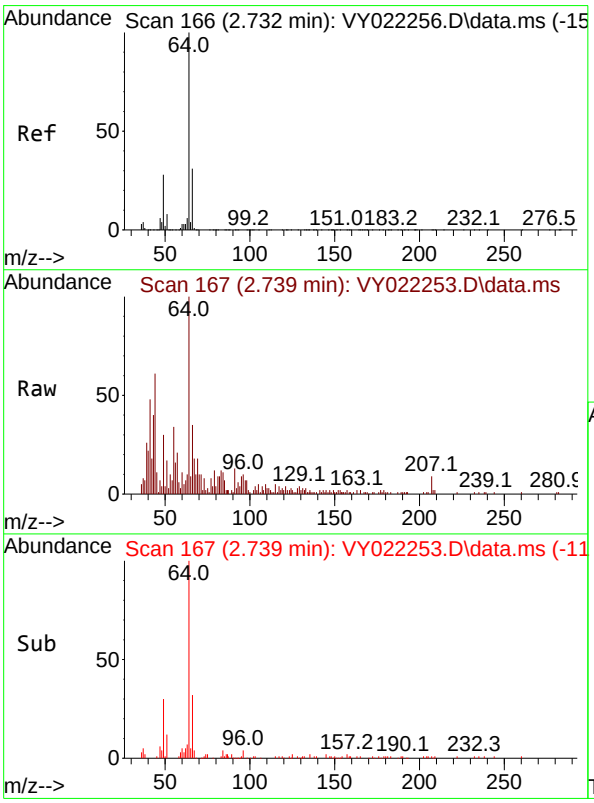
Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

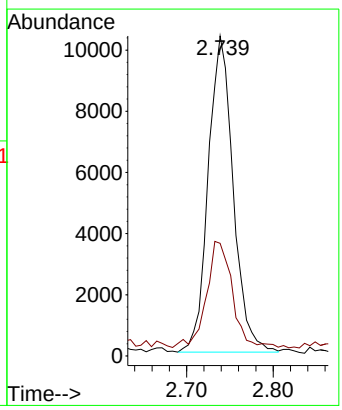
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

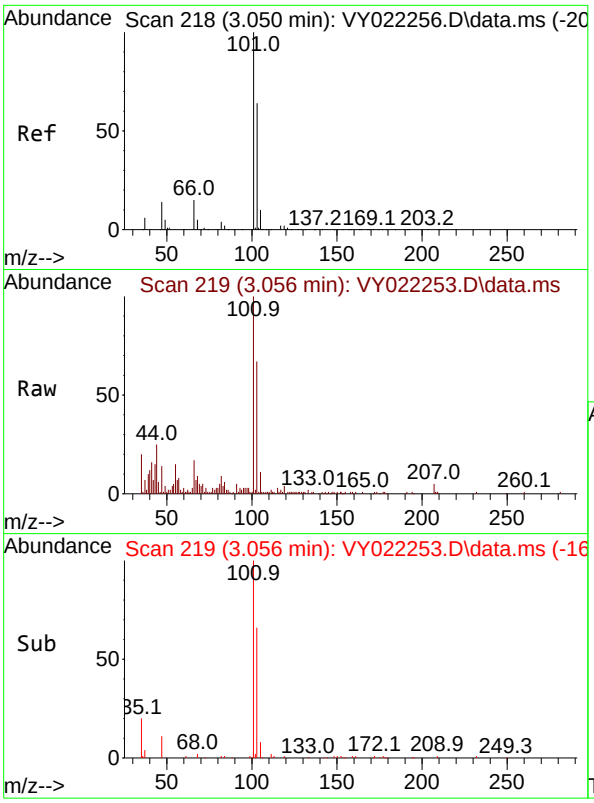


#6
Chloroethane
Concen: 4.923 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 64 Resp: 20741

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.8	37.2

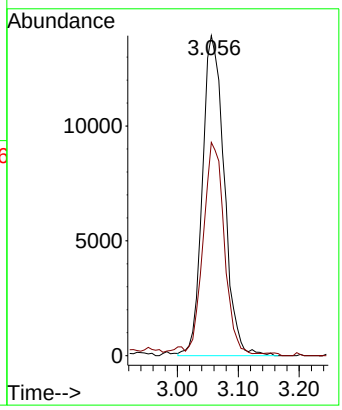




#7
Trichlorofluoromethane
Concen: 5.052 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:101 Resp: 3464

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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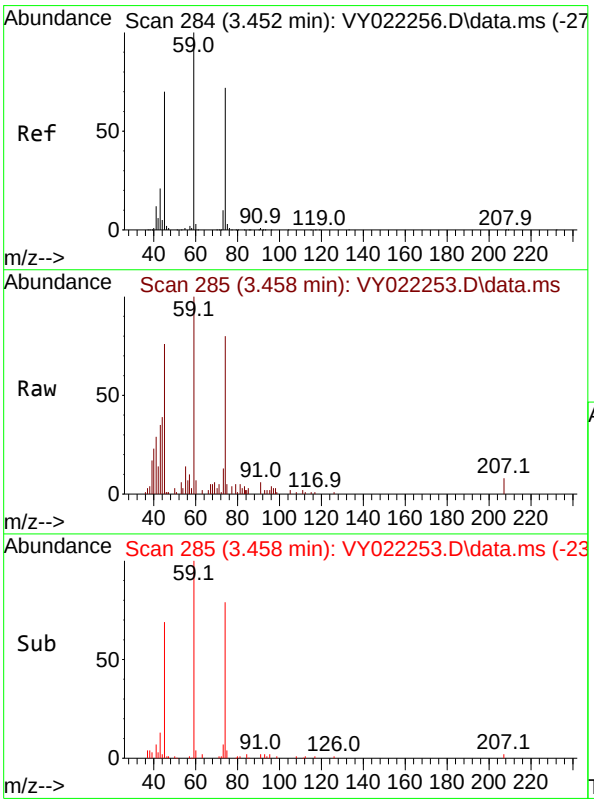
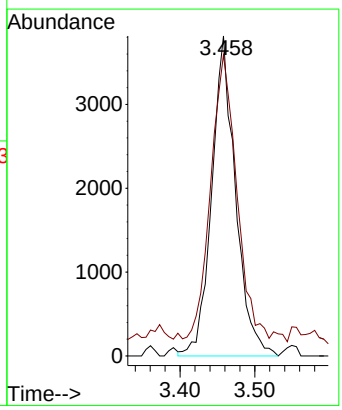
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

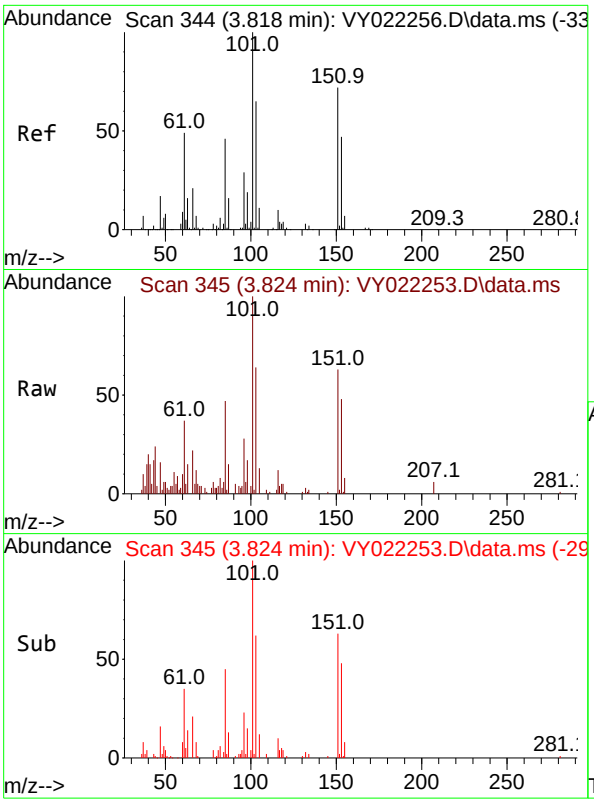


#8
Diethyl Ether
Concen: 5.126 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 74 Resp: 8435

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.081 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:101 Resp: 1512

Ion	Ratio	Lower	Upper
101	100		
85	52.5	38.6	58.0
151	78.0	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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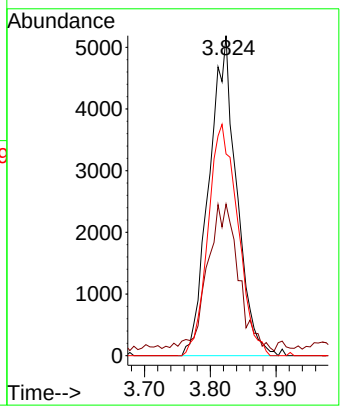
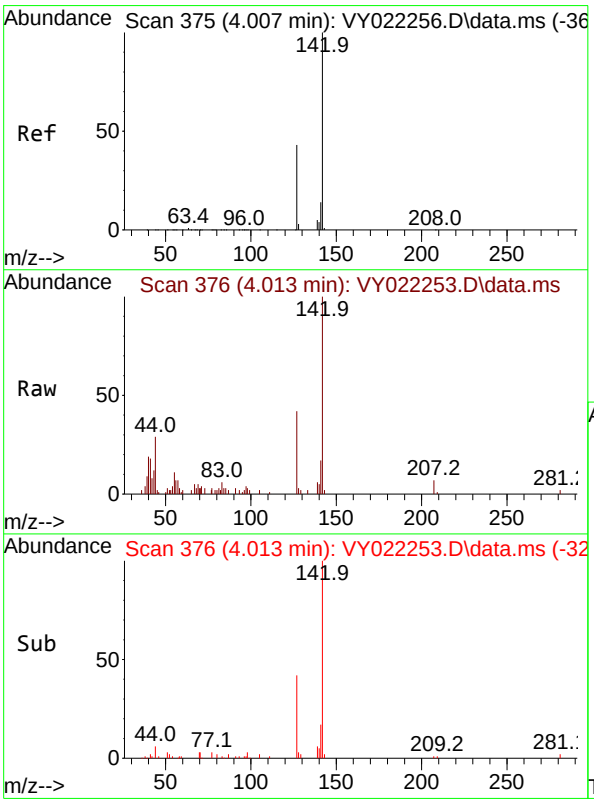
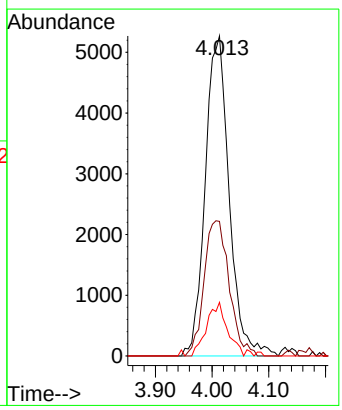


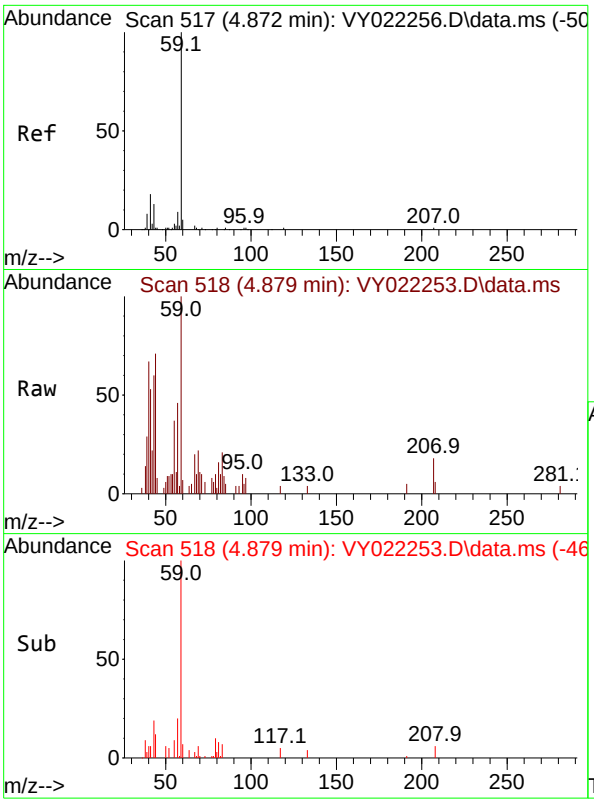


#10
Methyl Iodide
Concen: 4.484 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:142 Resp: 15449

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.7	53.5
141	14.4	11.1	16.7

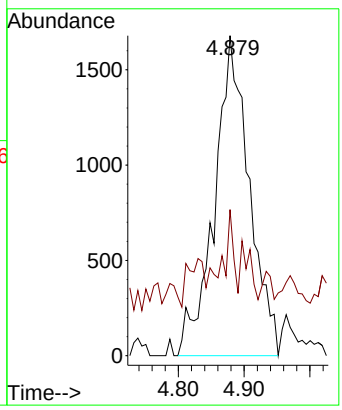




#11
Tert butyl alcohol
Concen: 26.722 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 59 Resp: 615

Ion	Ratio	Lower	Upper
59	100		
57	5.4	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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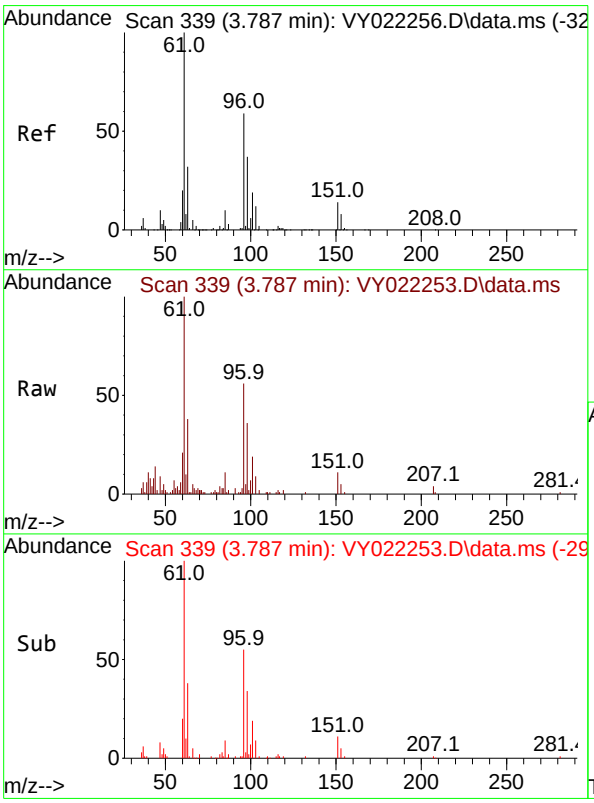
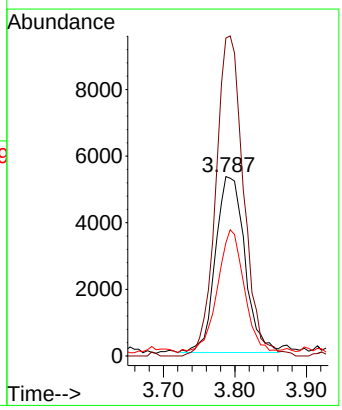
Supervised By :Semsettin Yesilyurt 05/16/2025

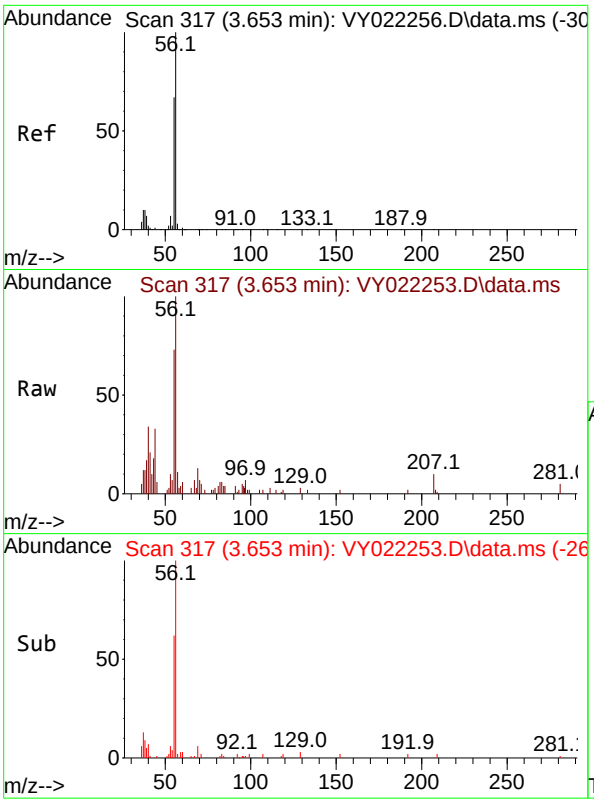


#12
1,1-Dichloroethene
Concen: 5.099 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 96 Resp: 15064

Ion	Ratio	Lower	Upper
96	100		
61	180.8	134.9	202.3
98	62.6	49.9	74.9

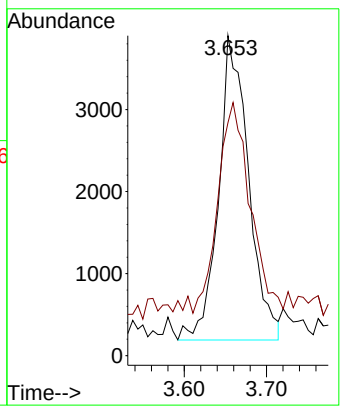




#13
Acrolein
Concen: 27.796 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 56 Resp: 936

Ion	Ratio	Lower	Upper
56	100		
55	74.6	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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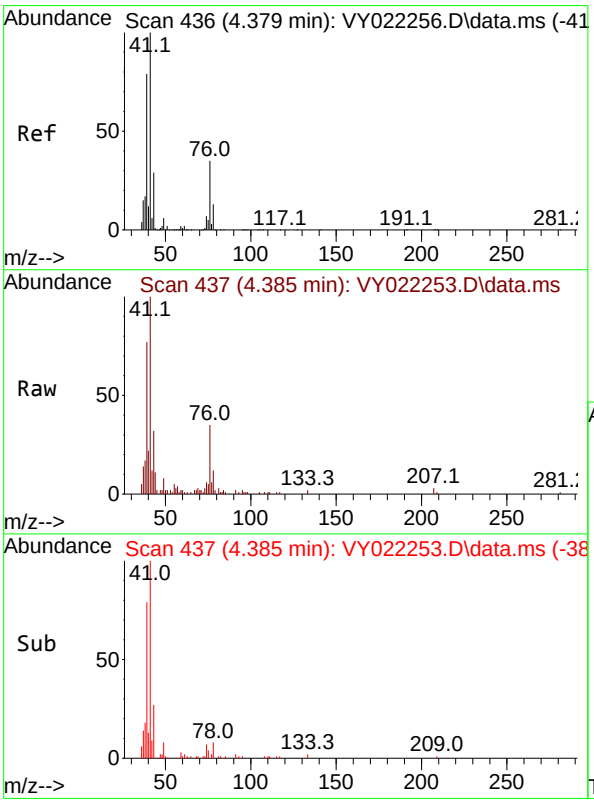
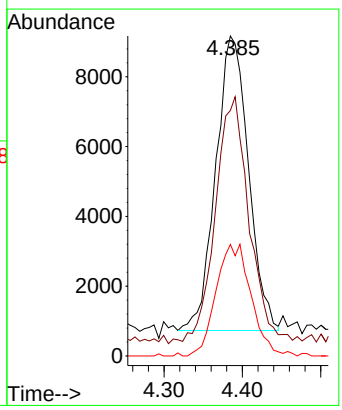
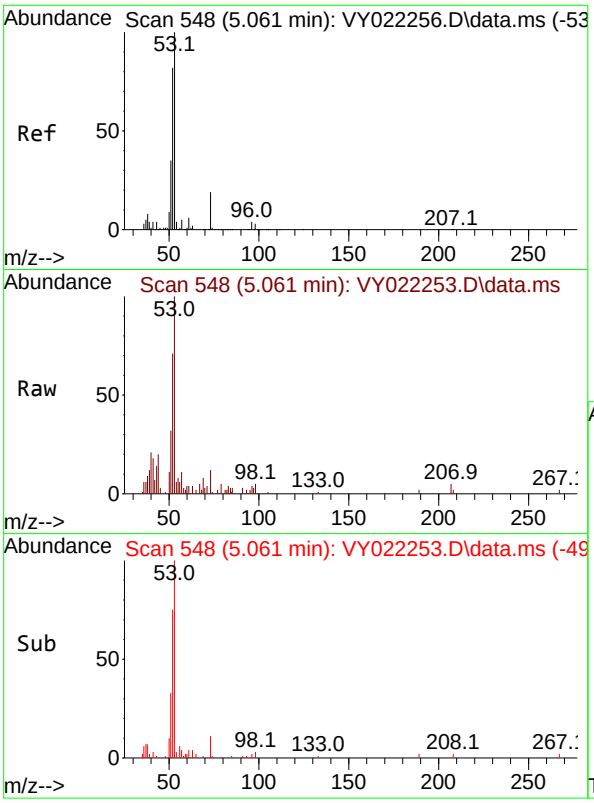


#14
Allyl chloride
Concen: 4.737 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 24537

Ion	Ratio	Lower	Upper
41	100		
39	83.9	63.4	95.0
76	40.5	29.5	44.3

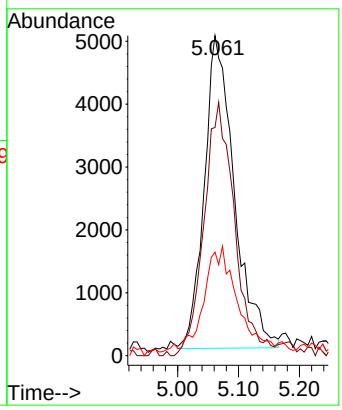




#15
Acrylonitrile
Concen: 25.125 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 53 Resp: 1703(

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.1	99.1
51	38.0	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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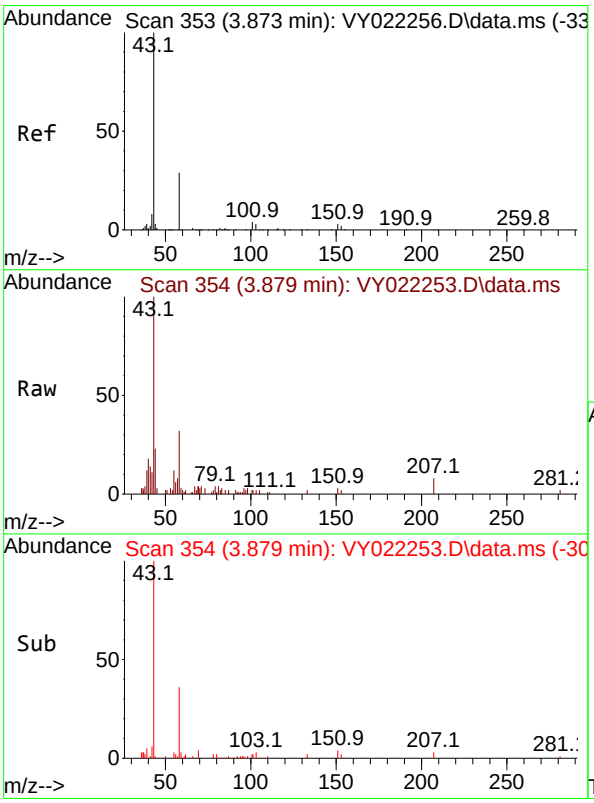
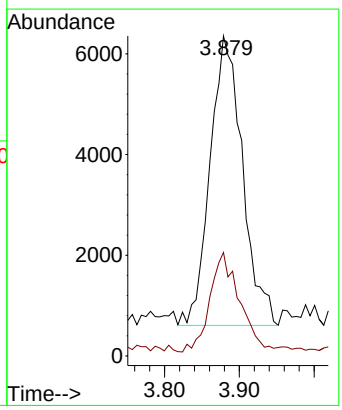
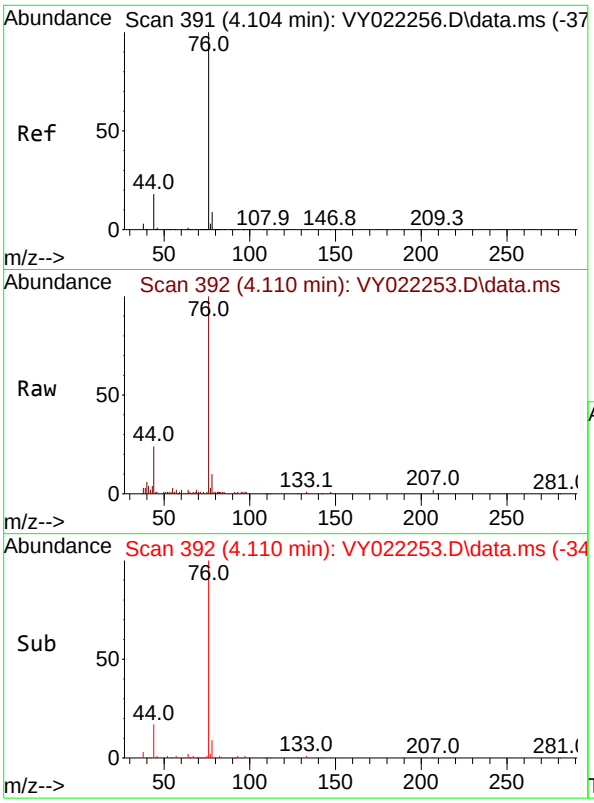


#16
Acetone
Concen: 30.639 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 17340

Ion	Ratio	Lower	Upper
43	100		
58	34.3	23.6	35.4

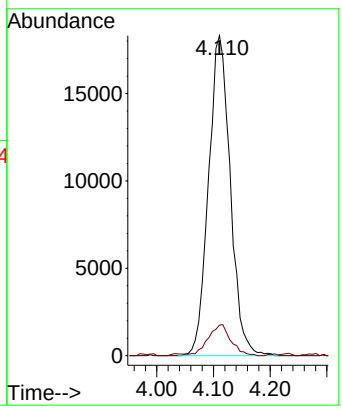




#17
Carbon Disulfide
Concen: 5.068 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 76 Resp: 4881

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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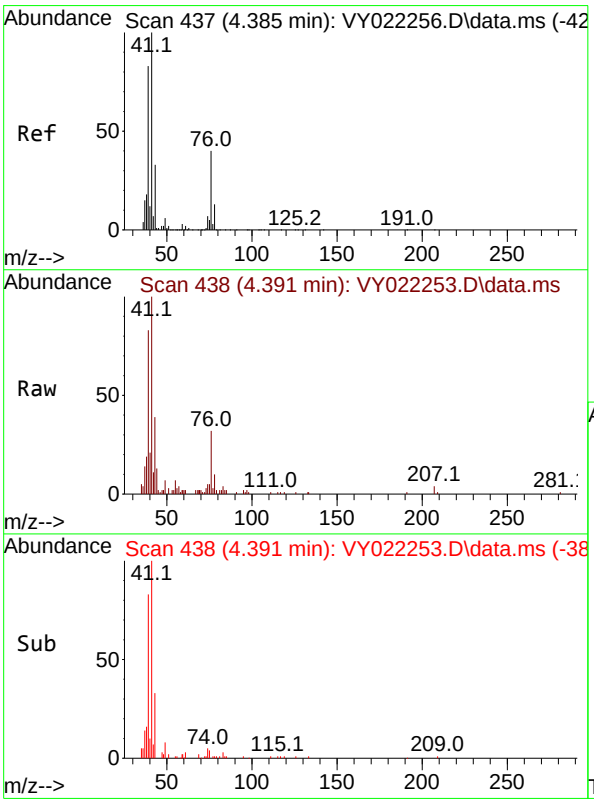
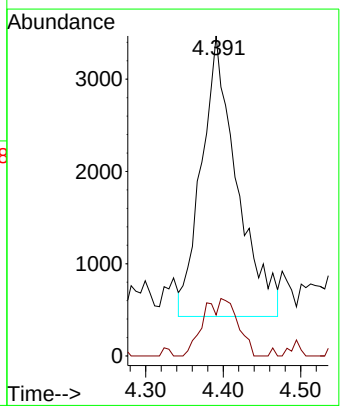
Supervised By :Semsettin Yesilyurt 05/16/2025

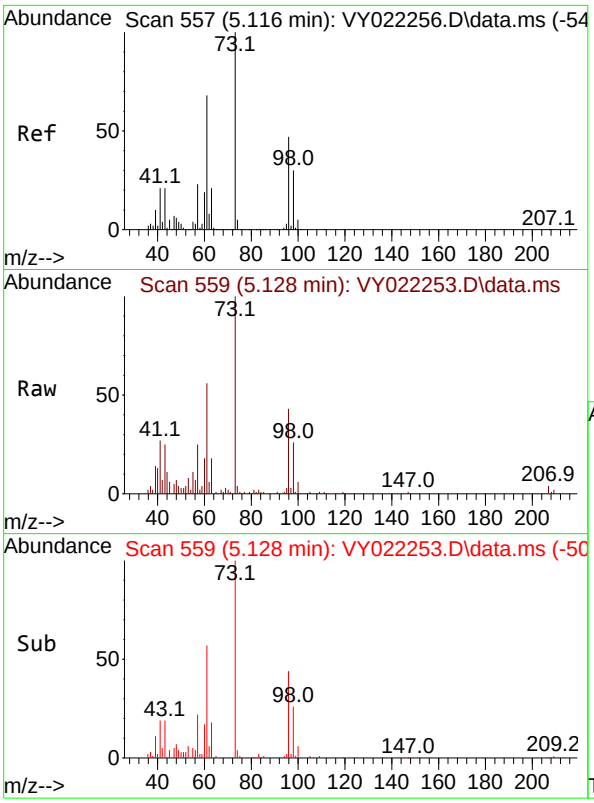


#18
Methyl Acetate
Concen: 5.597 ug/l m
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 9639

Ion	Ratio	Lower	Upper
43	100		
74	8.9	18.2	27.4#





#19
Methyl tert-butyl Ether
Concen: 4.959 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 73 Resp: 4039

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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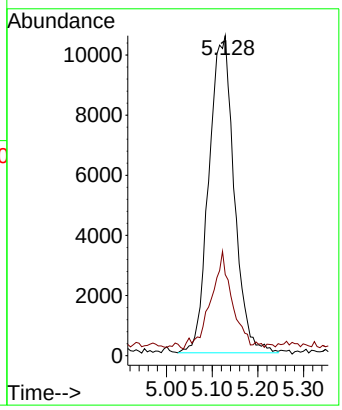
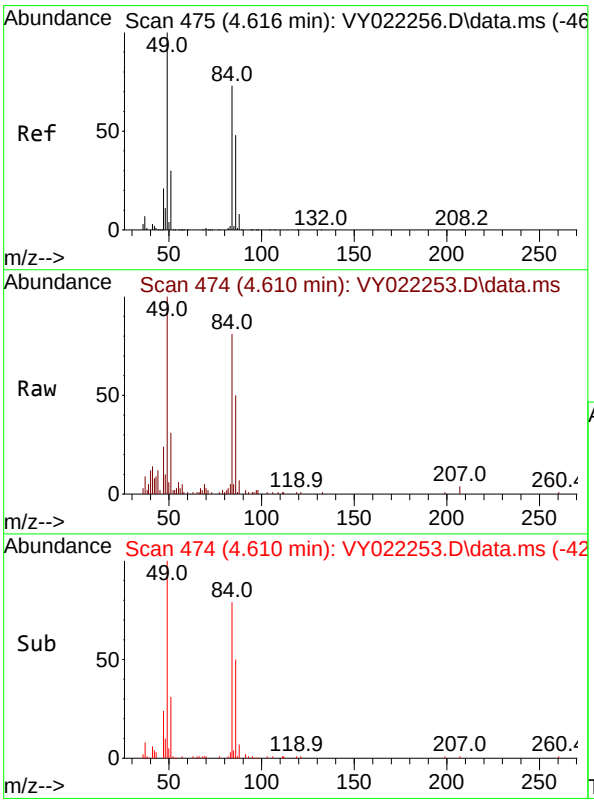
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

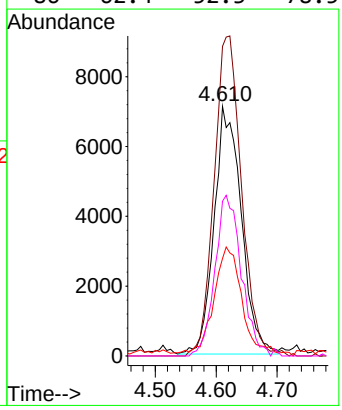


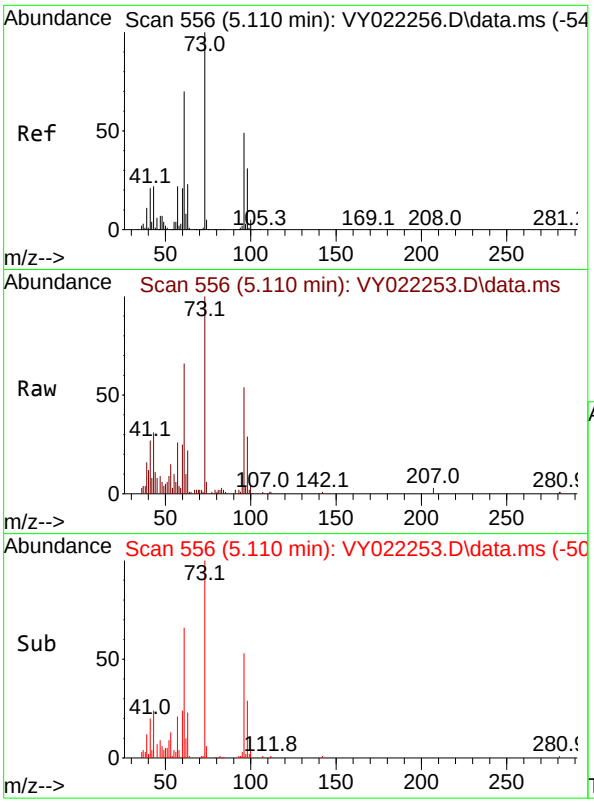


#20
Methylene Chloride
Concen: 6.016 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 84 Resp: 22002

Ion	Ratio	Lower	Upper
84	100		
49	125.0	109.6	164.4
51	38.1	32.4	48.6
86	62.4	52.3	78.5

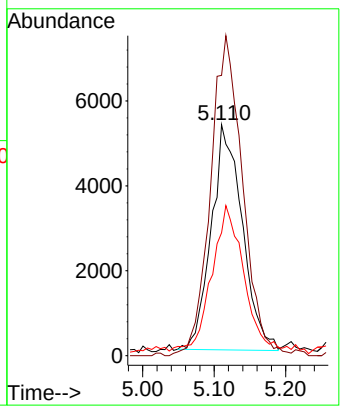




#21
trans-1,2-Dichloroethene
Concen: 4.889 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 96 Resp: 1594

Ion	Ratio	Lower	Upper
96	100		
61	123.1	113.4	170.0
98	51.2	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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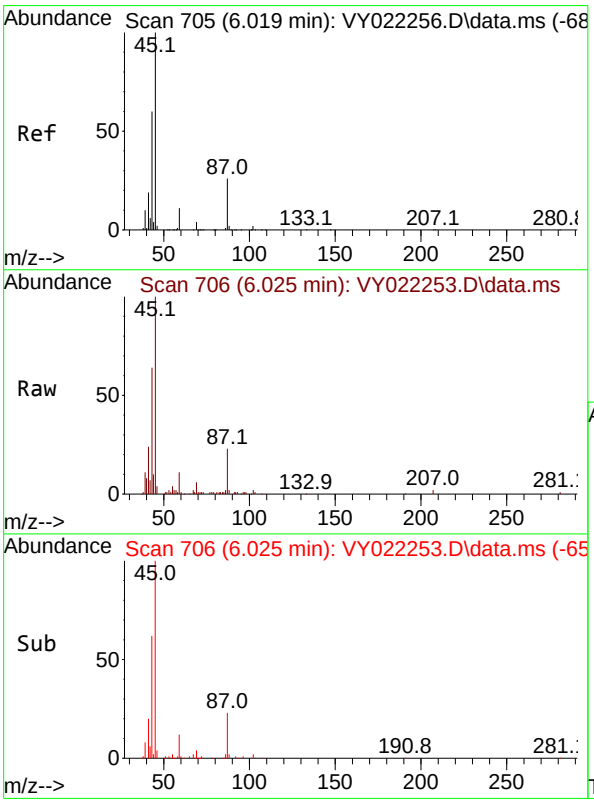
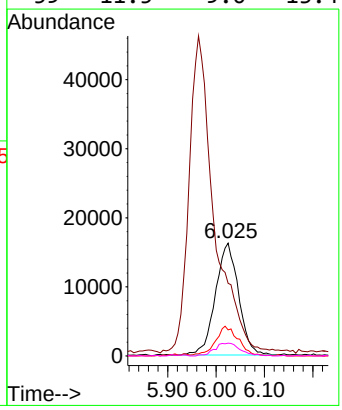
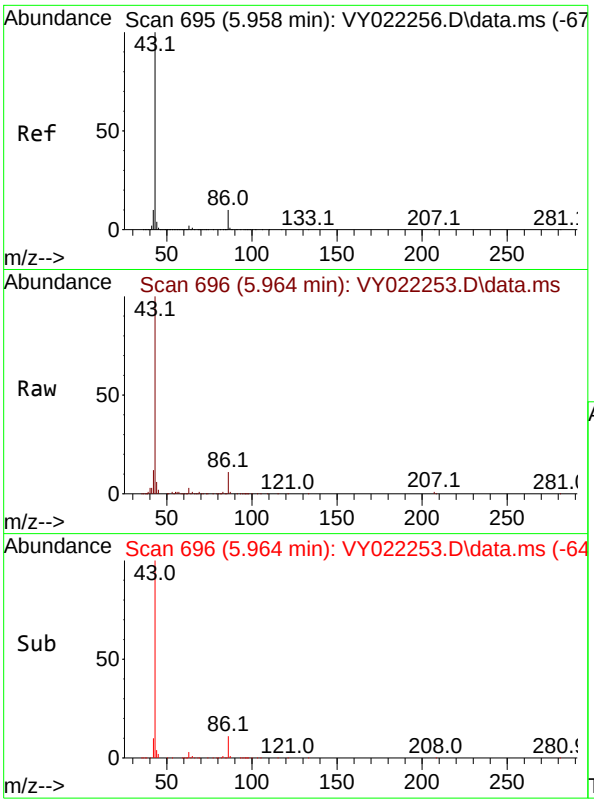


#22
Diisopropyl ether
Concen: 4.915 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 45 Resp: 53760

Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.2	72.2
87	22.4	21.4	32.0
59	11.5	9.0	13.4

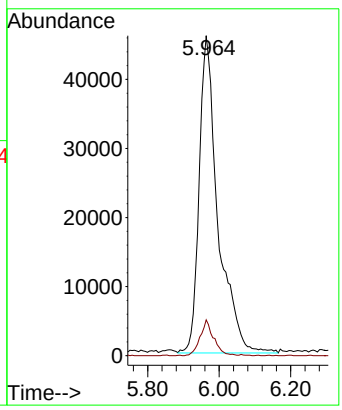




#23
Vinyl Acetate
Concen: 25.361 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 16759

Ion	Ratio	Lower	Upper
43	100		
86	11.3	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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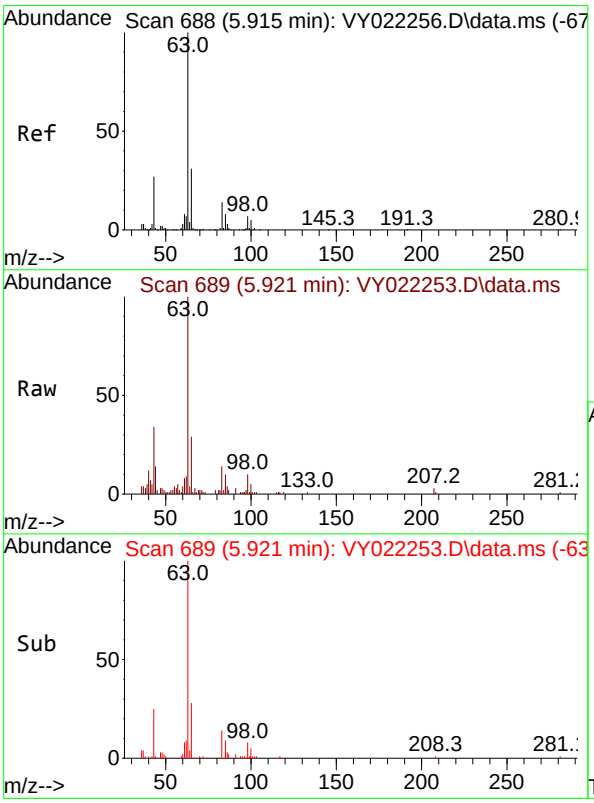
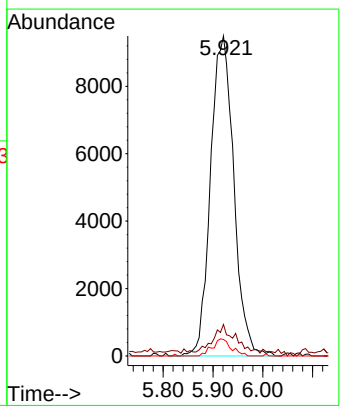
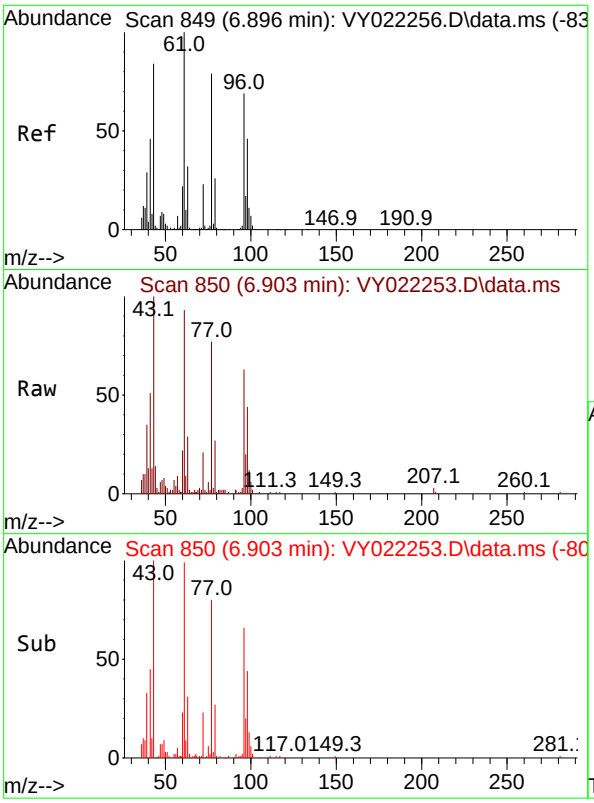


#24
1,1-Dichloroethane
Concen: 5.026 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 30712

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.5	10.5
100	5.1	2.4	7.2





#25
2-Butanone
Concen: 26.203 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 2480

Ion	Ratio	Lower	Upper
43	100		
72	22.7	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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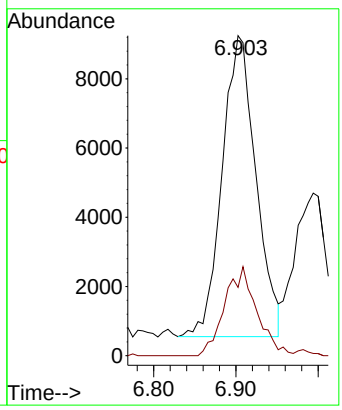
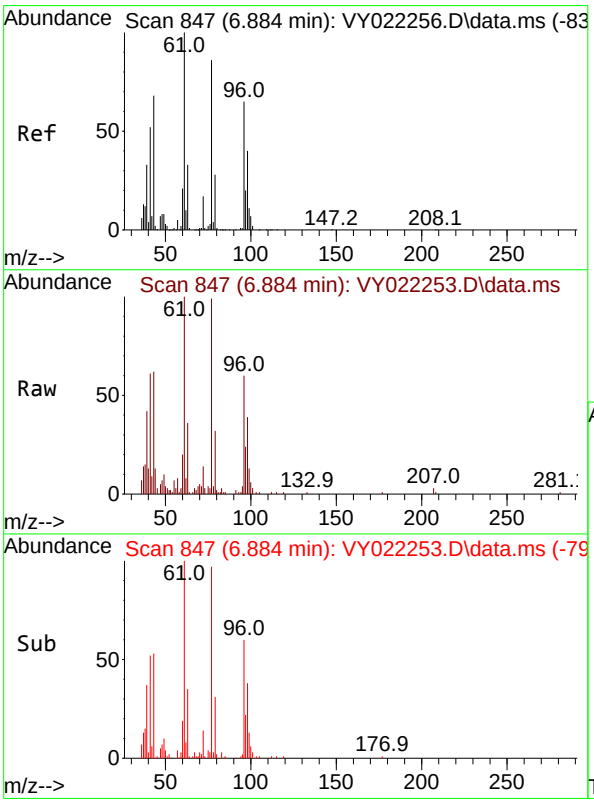
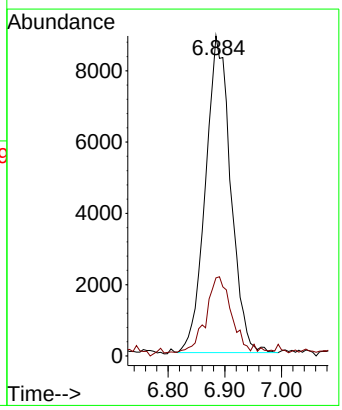


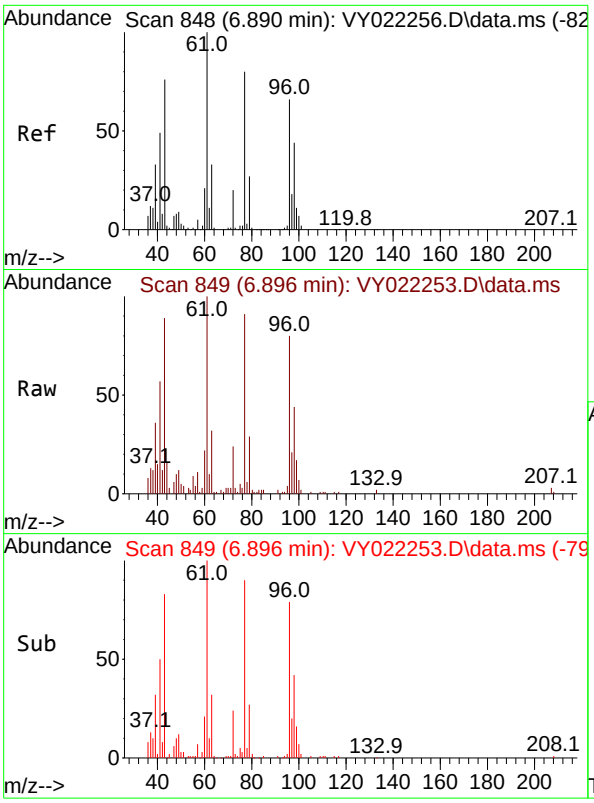


#26
2,2-Dichloropropane
Concen: 5.048 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 77 Resp: 27440

Ion	Ratio	Lower	Upper
77	100		
97	23.9	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 4.857 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

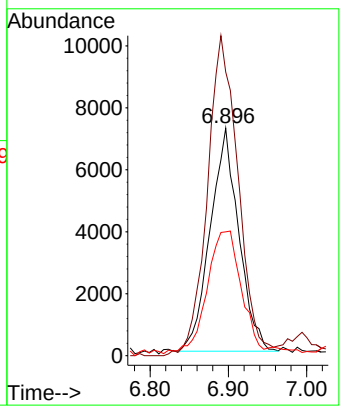
Tgt Ion: 96 Resp: 1827

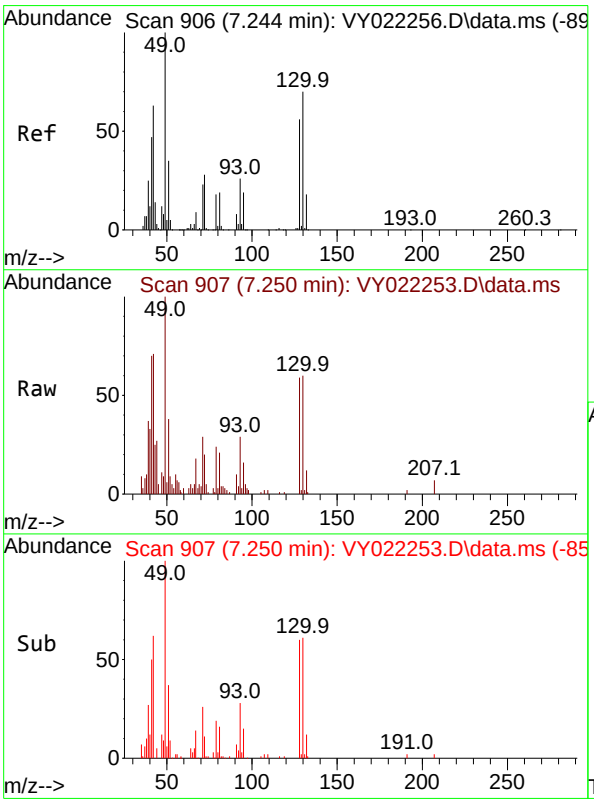
Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	302.6
98	66.0	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

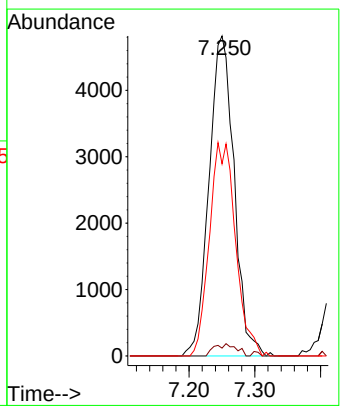


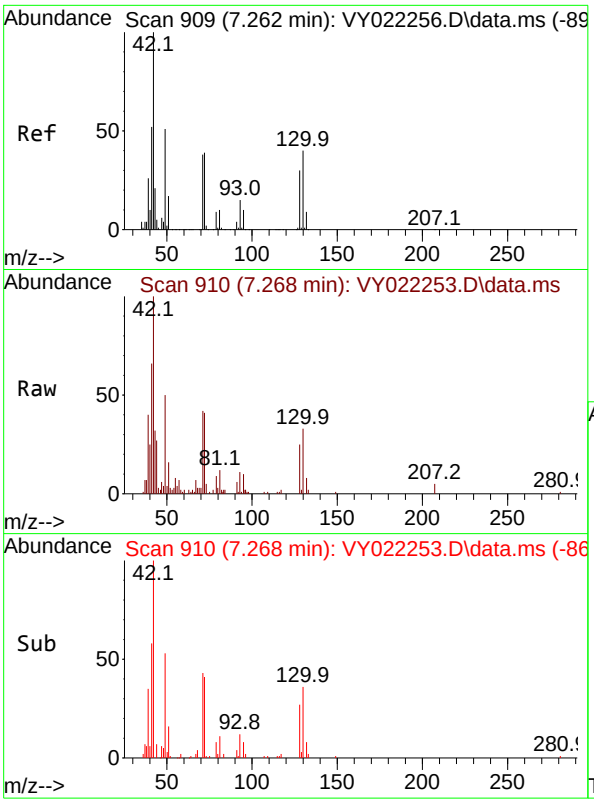


#28
Bromochloromethane
Concen: 4.901 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 49 Resp: 12774

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.6
130	69.7	54.7	82.1

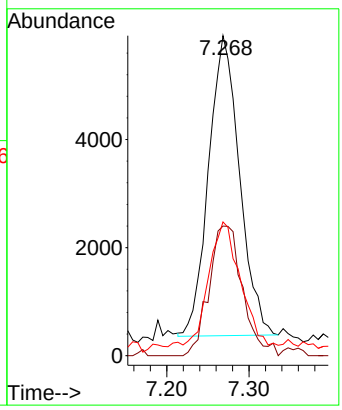




#29
Tetrahydrofuran
Concen: 23.811 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 42 Resp: 1450

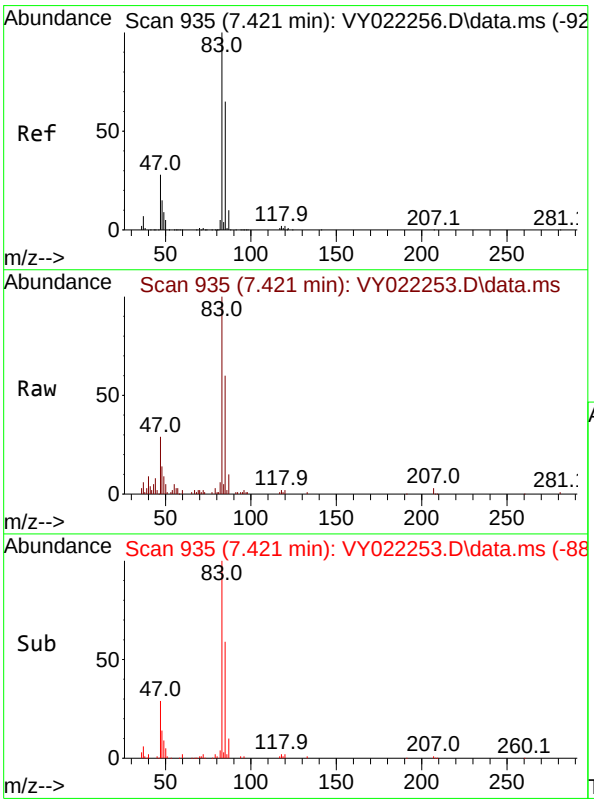
Ion	Ratio	Lower	Upper
42	100		
72	46.7	33.8	50.6
71	43.0	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

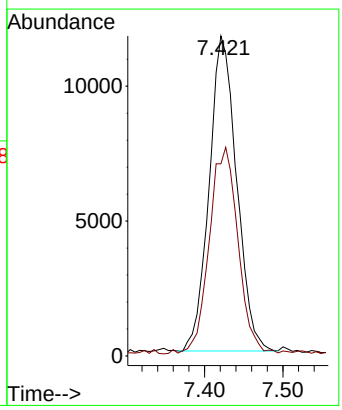
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

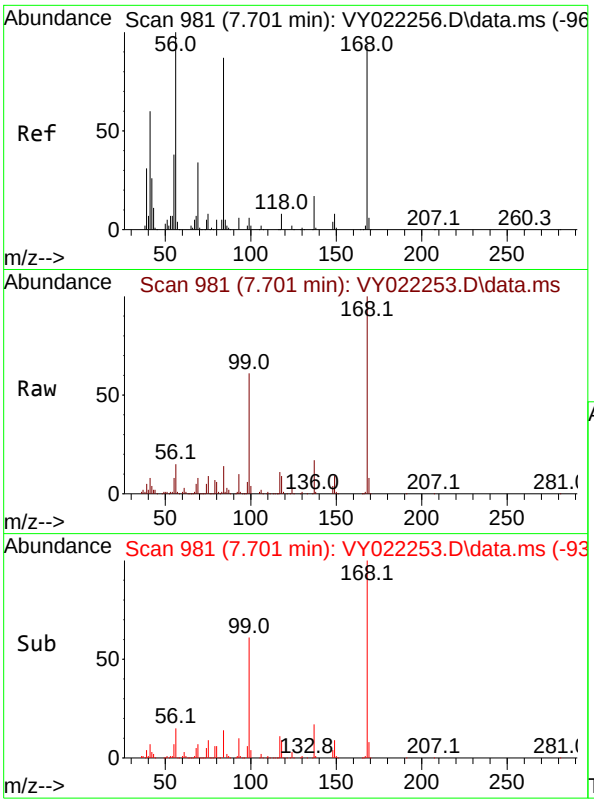


#30
Chloroform
Concen: 4.863 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 28505

Ion	Ratio	Lower	Upper
83	100		
85	60.1	51.8	77.8





#31
Cyclohexane
Concen: 5.880 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

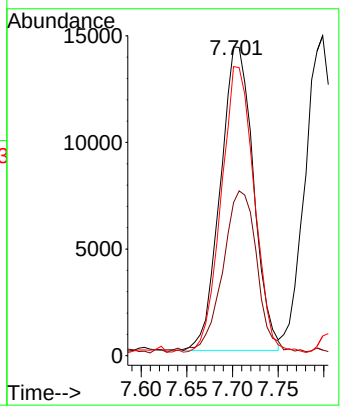
Tgt Ion: 56 Resp: 3590

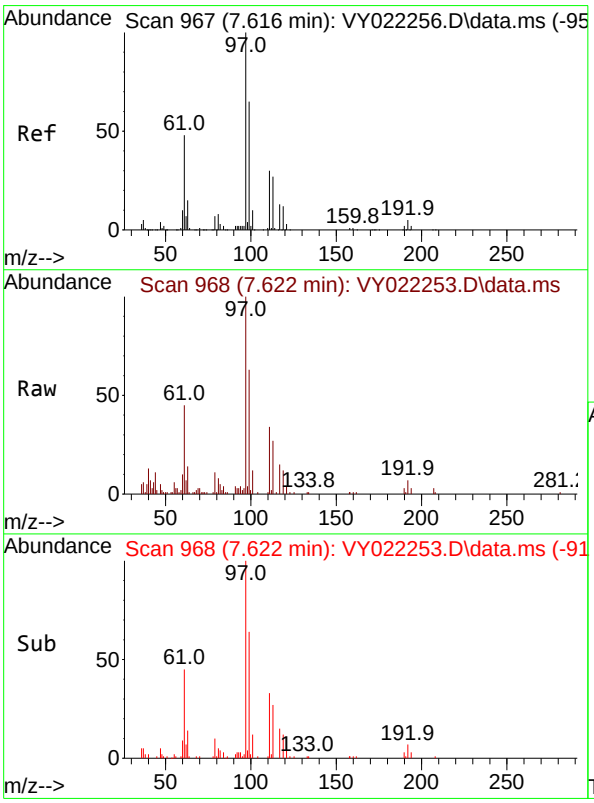
Ion	Ratio	Lower	Upper
56	100		
69	48.0	27.4	41.2
84	93.4	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

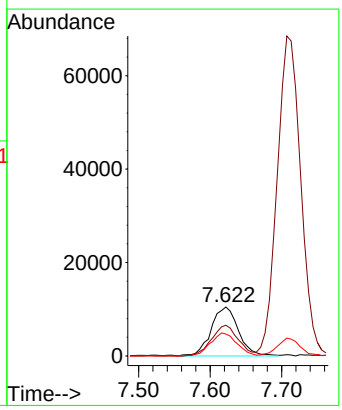


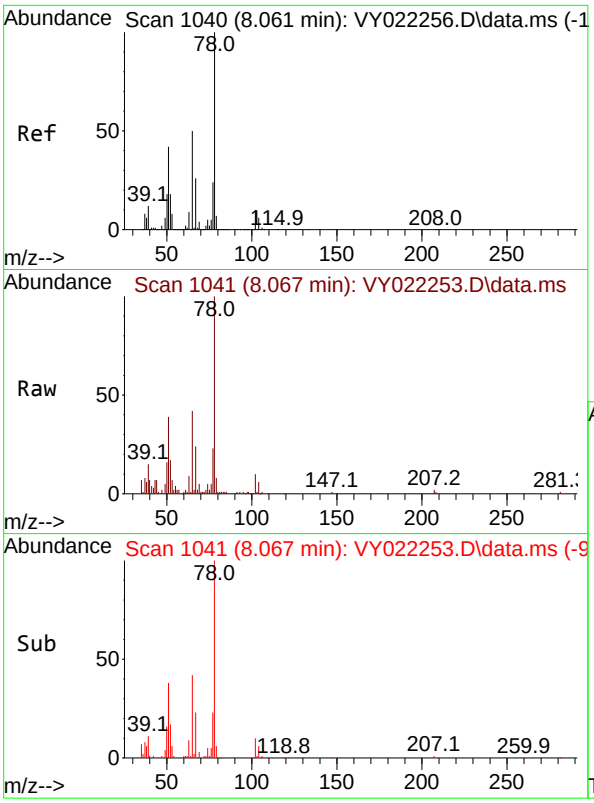


#32
1,1,1-Trichloroethane
Concen: 5.170 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 97 Resp: 27801

Ion	Ratio	Lower	Upper
97	100		
99	60.7	51.4	77.0
61	45.4	38.1	57.1

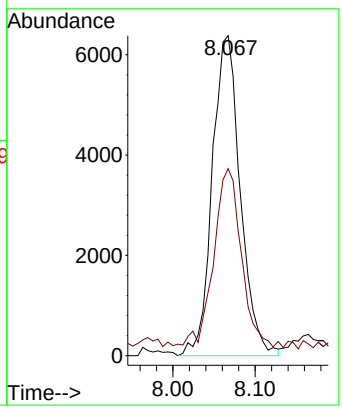




#33
1,2-Dichloroethane-d4
Concen: 5.009 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 65 Resp: 1511

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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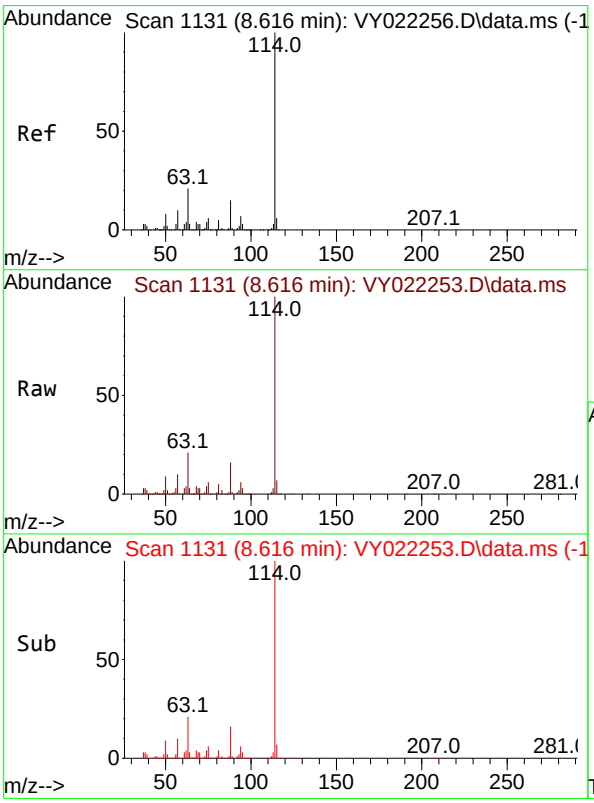
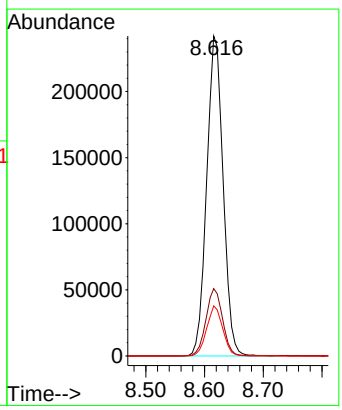
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

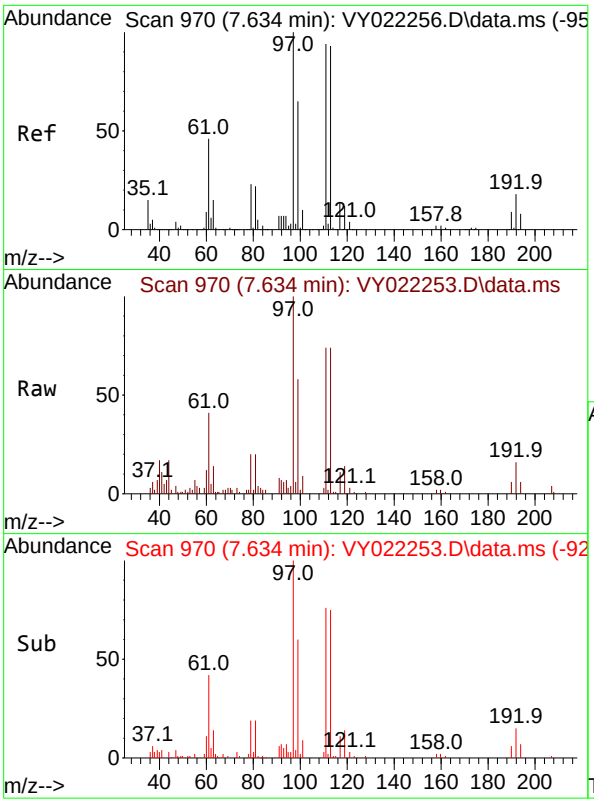


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:114 Resp: 470488

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.0
88	15.7	0.0	29.4

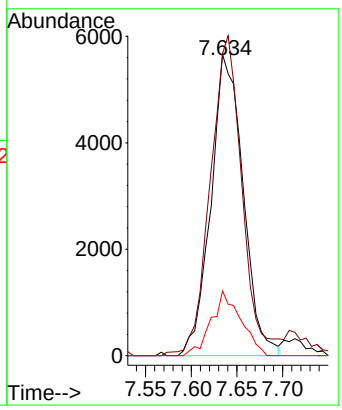




#35
Dibromofluoromethane
Concen: 4.933 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:113 Resp: 1385

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.7	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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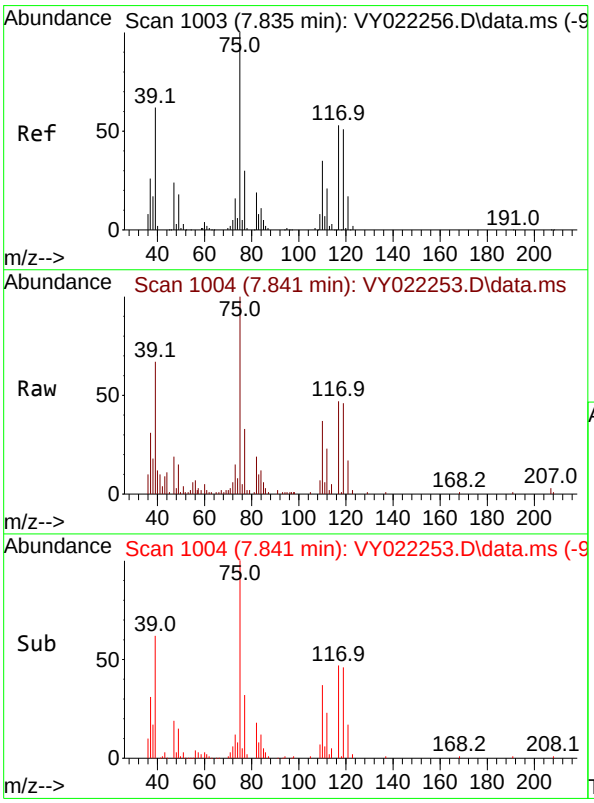
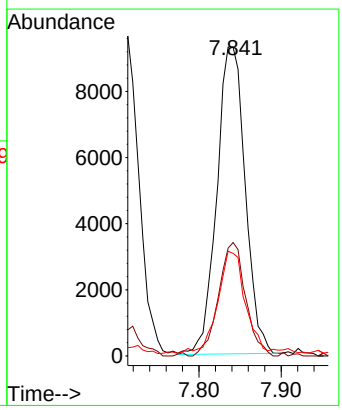
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

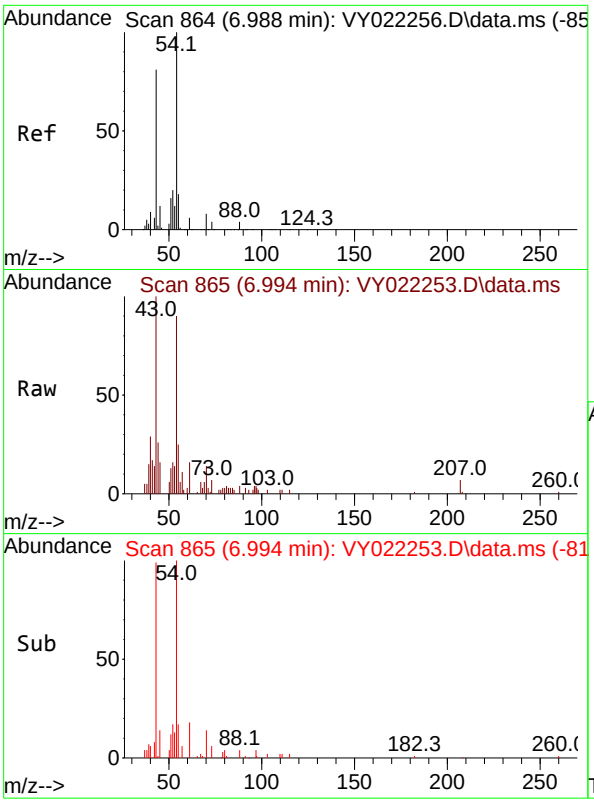


#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 22314

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	32.4	24.6	37.0





#37
Ethyl Acetate
Concen: 5.352 ug/l
RT: 6.994 min Scan# 8(
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 1191(

Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.2	15.2
70	9.6	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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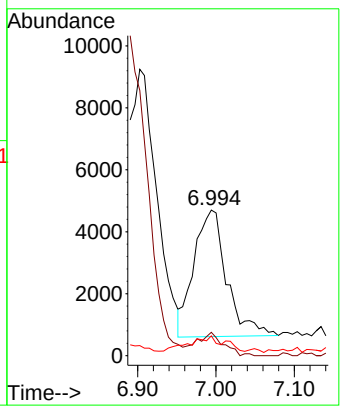
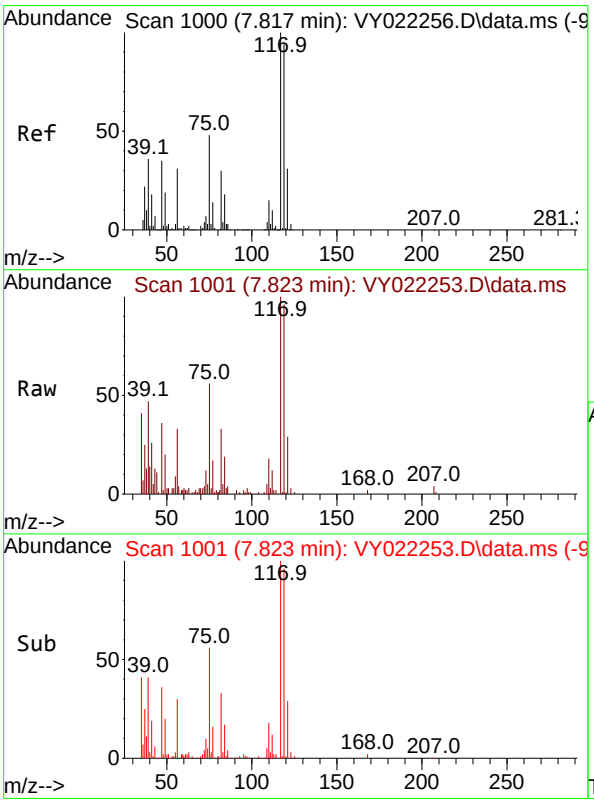
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

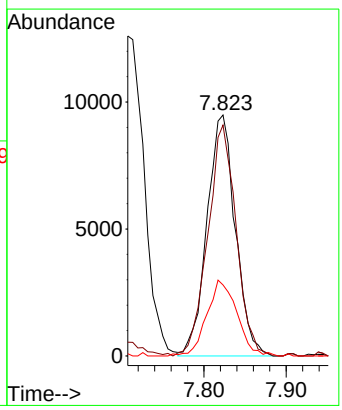


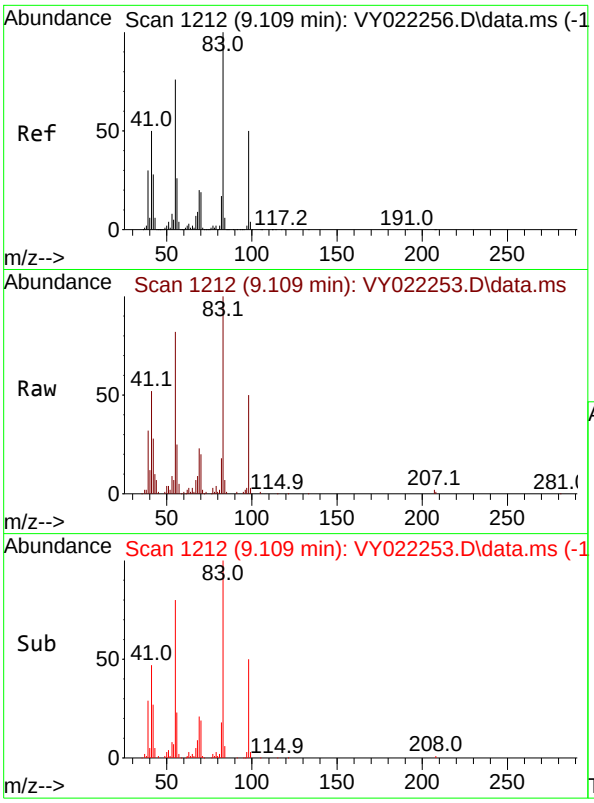


#38
Carbon Tetrachloride
Concen: 4.768 ug/l
RT: 7.823 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 22826

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	29.5	24.7	37.1

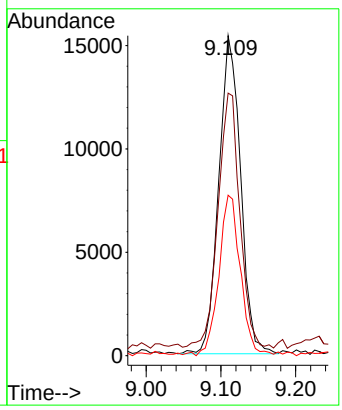




#39
Methylcyclohexane
Concen: 5.024 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 3121

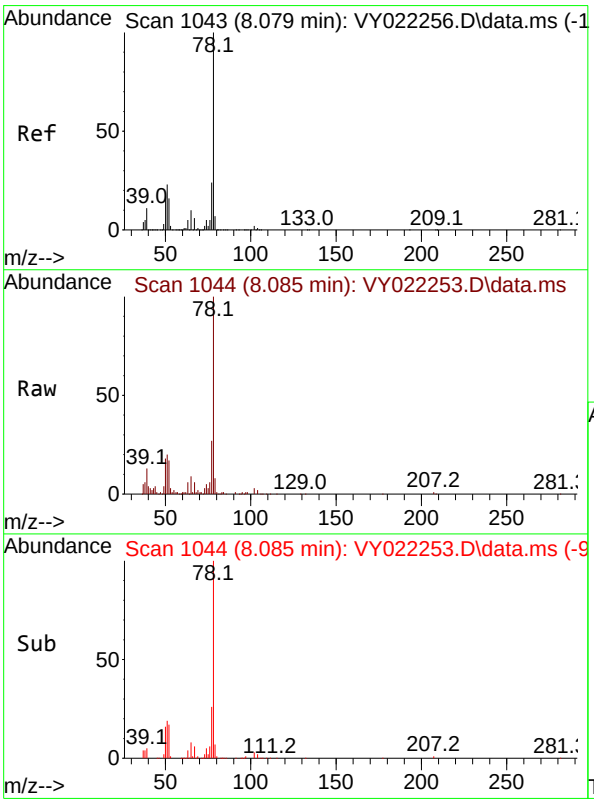
Ion	Ratio	Lower	Upper
83	100		
55	78.9	60.6	90.8
98	49.6	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

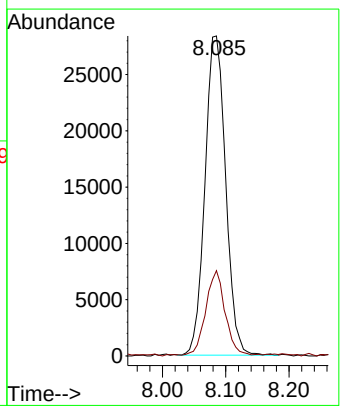
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

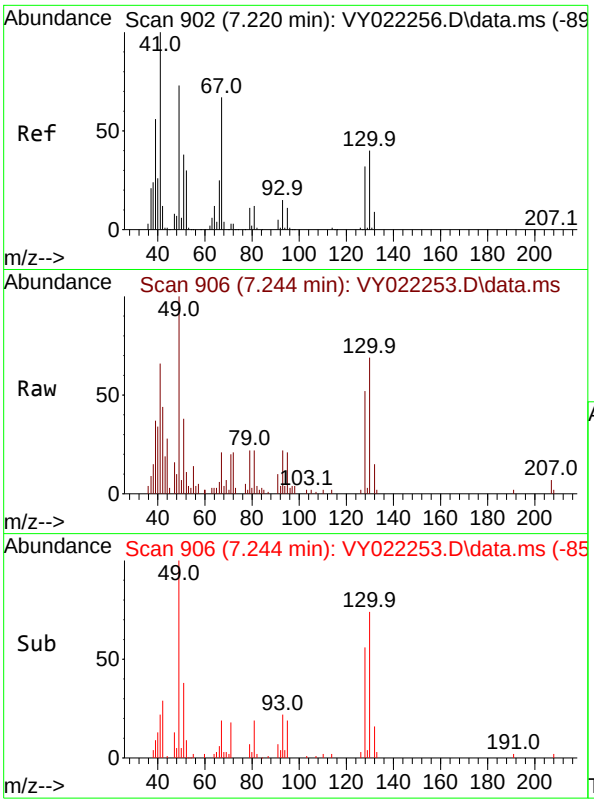


#40
Benzene
Concen: 4.699 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 78 Resp: 64430

Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.9	28.3

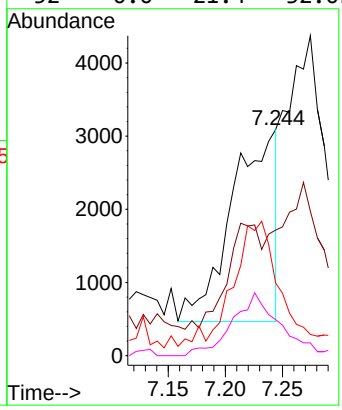




#41
Methacrylonitrile
Concen: 4.422 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.024 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 720

Ion	Ratio	Lower	Upper
41	100		
39	63.3	39.1	58.7#
67	0.0	47.1	70.7#
52	0.0	21.4	32.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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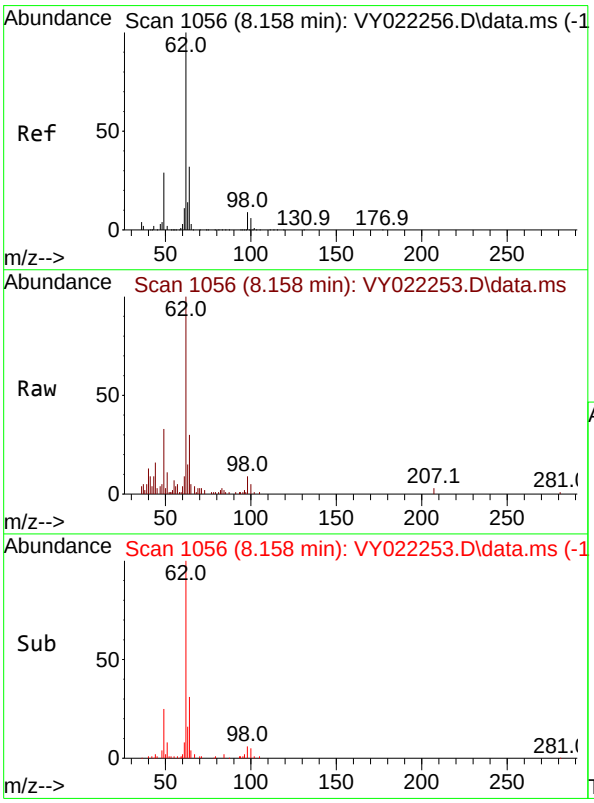
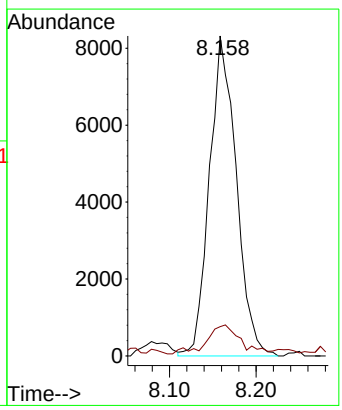
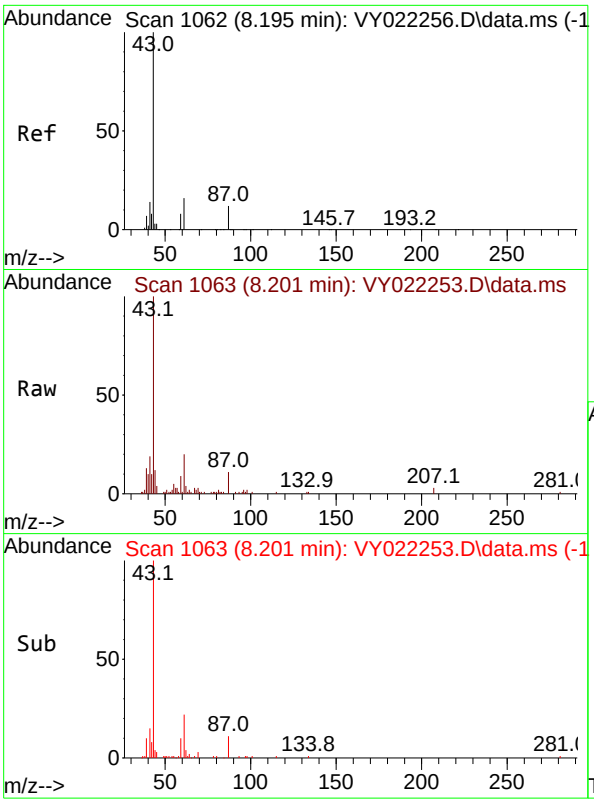


#42
1,2-Dichloroethane
Concen: 4.837 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 62 Resp: 17934

Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.4

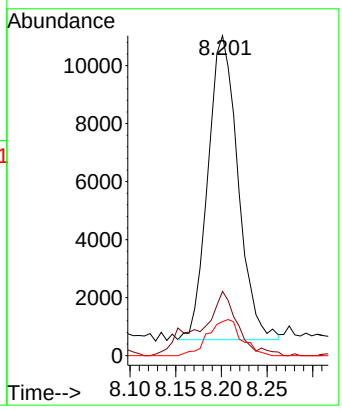




#43
Isopropyl Acetate
Concen: 4.941 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 2397

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	13.2	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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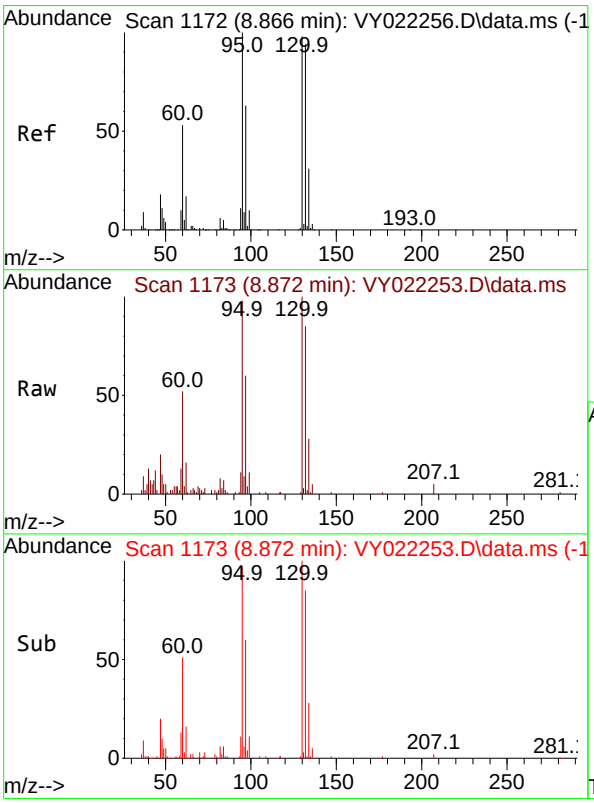
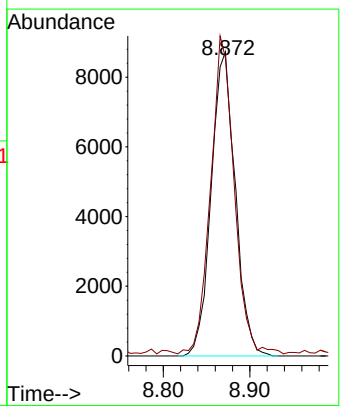
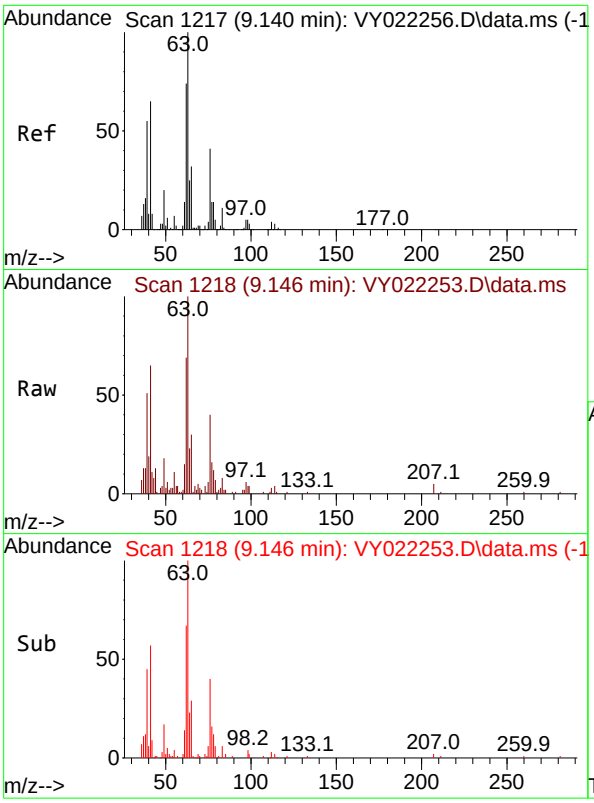


#44
Trichloroethene
Concen: 4.943 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:130 Resp: 16852

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	204.8





#45
1,2-Dichloropropane
Concen: 4.796 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

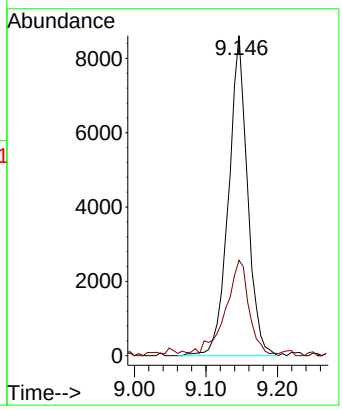
Tgt Ion: 63 Resp: 1585

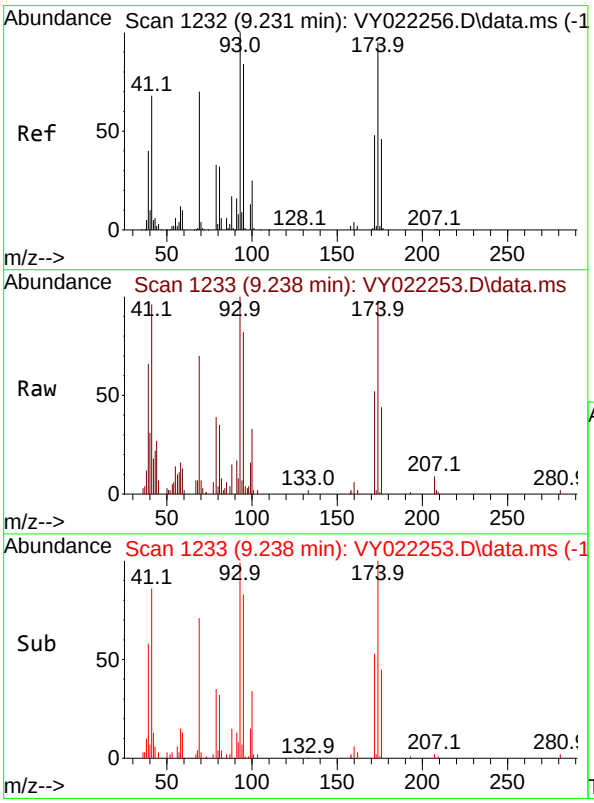
Ion	Ratio	Lower	Upper
63	100		
65	29.1	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

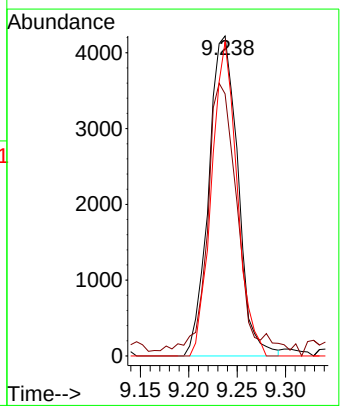


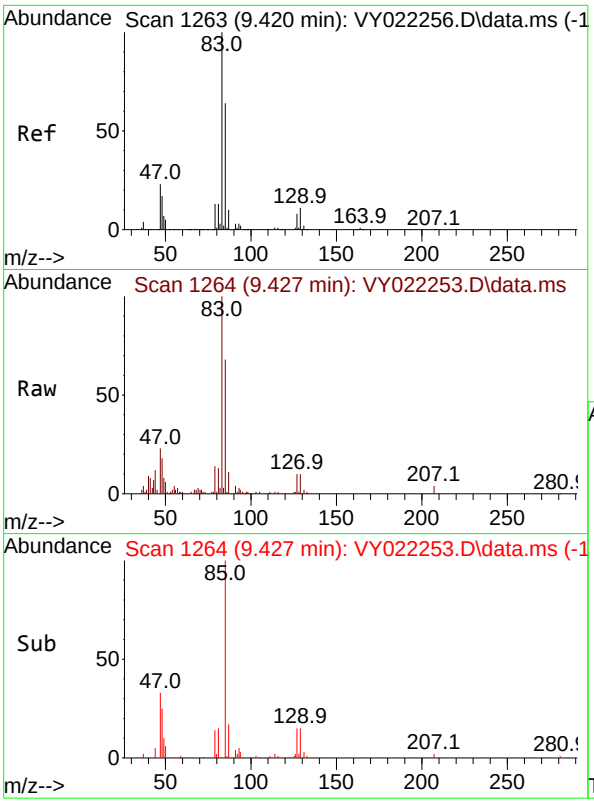


#46
Dibromomethane
Concen: 4.980 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 93 Resp: 8879

Ion	Ratio	Lower	Upper
93	100		
95	89.8	65.2	97.8
174	85.7	74.3	111.5

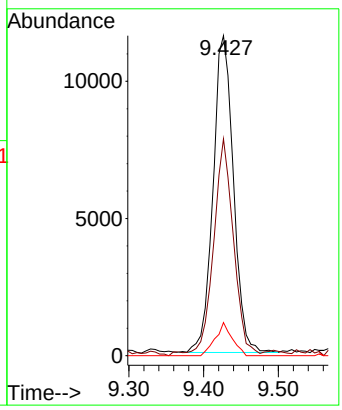




#47
Bromodichloromethane
Concen: 4.736 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 2190

Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.1	76.7
127	10.4	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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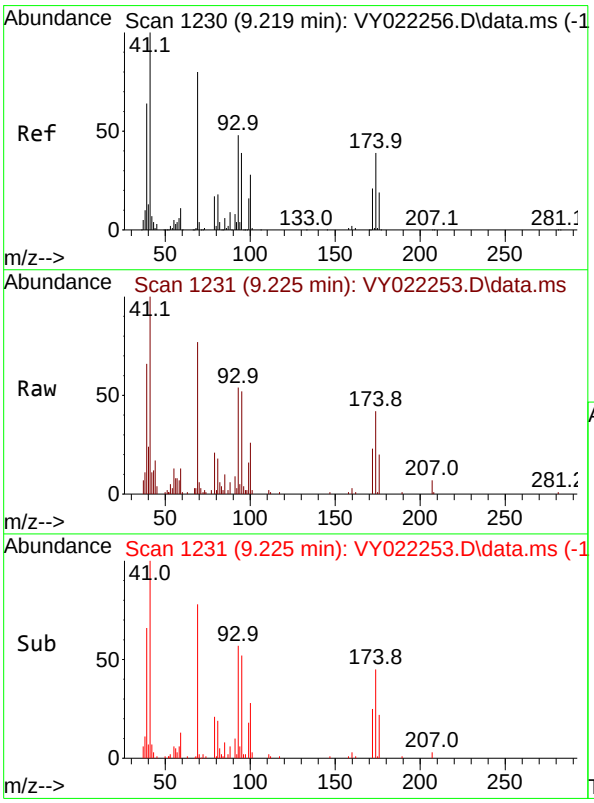
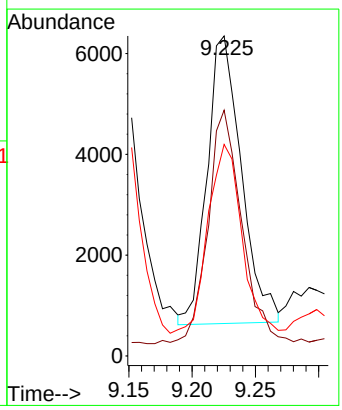
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

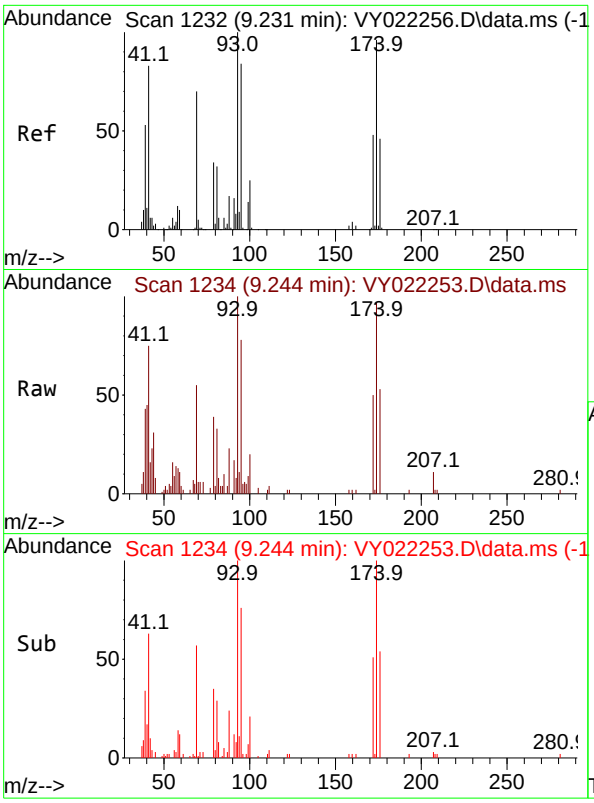


#48
Methyl methacrylate
Concen: 4.727 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 41 Resp: 10729

Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.5	95.3
39	66.0	50.8	76.2

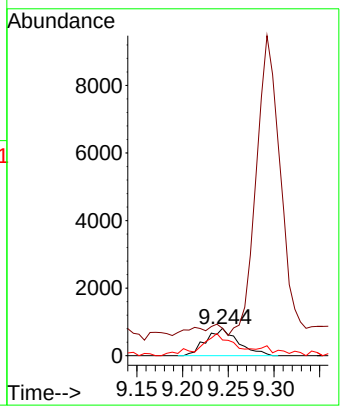




#49
1,4-Dioxane
Concen: 97.404 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 88 Resp: 196

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.5	42.7#
58	79.8	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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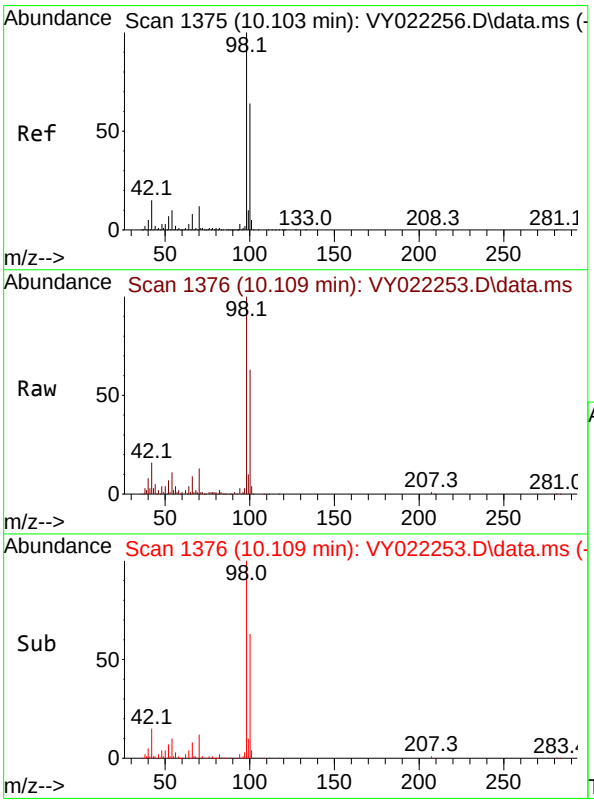
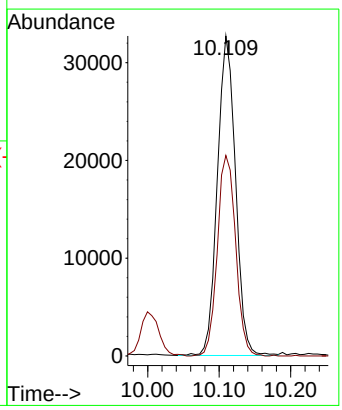
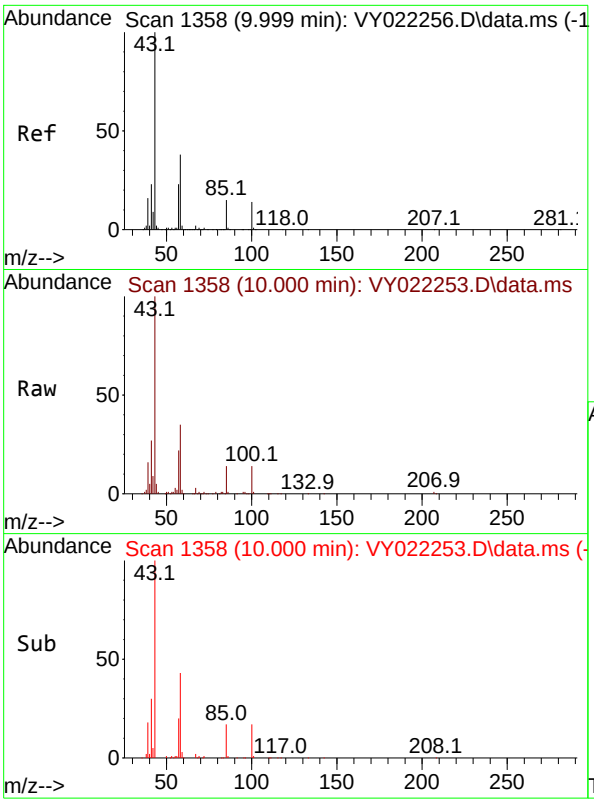


#50
Toluene-d8
Concen: 5.006 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 98 Resp: 57575

Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.8	77.8

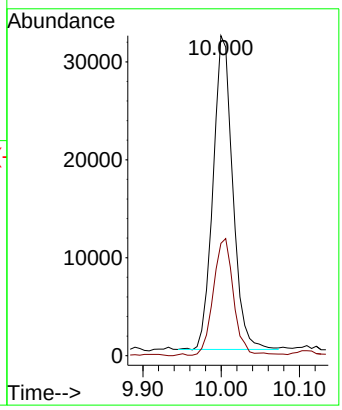




#51
4-Methyl-2-Pentanone
Concen: 23.464 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 5588

Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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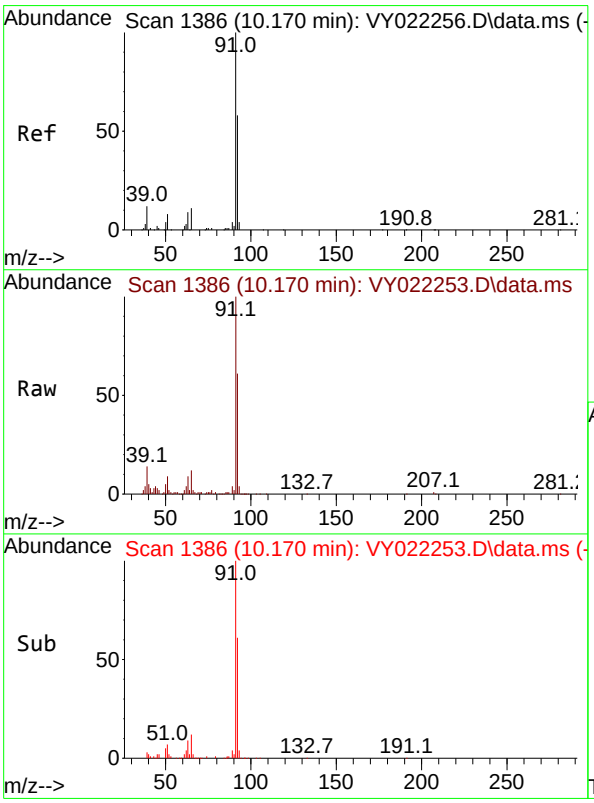
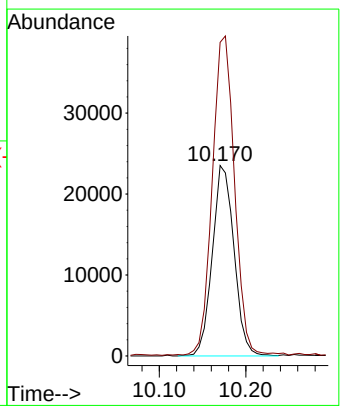
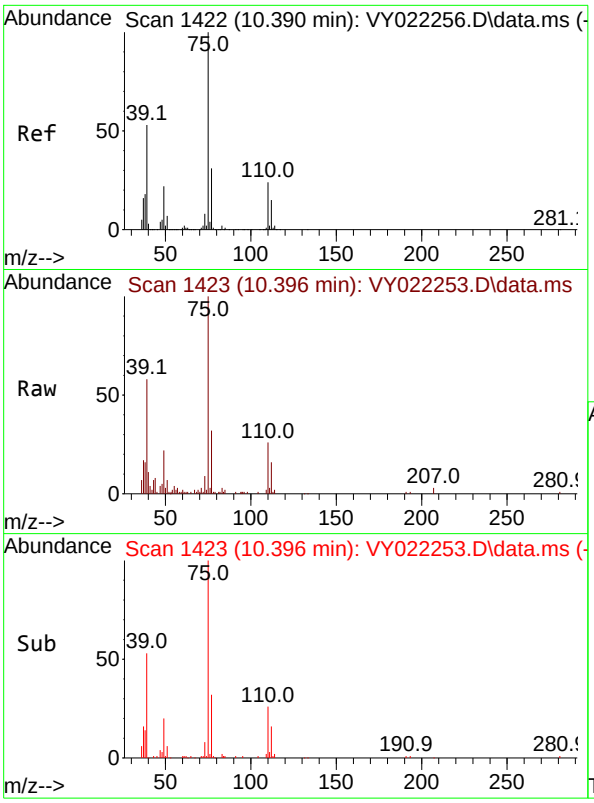


#52
Toluene
Concen: 4.722 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 92 Resp: 41001

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.1	208.7

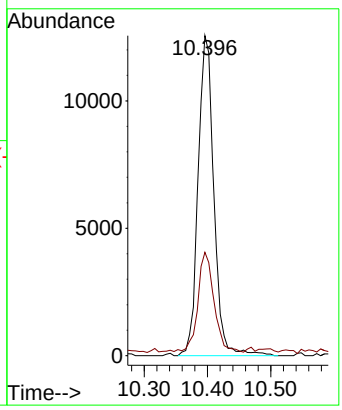




#53
t-1,3-Dichloropropene
Concen: 4.839 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 2184

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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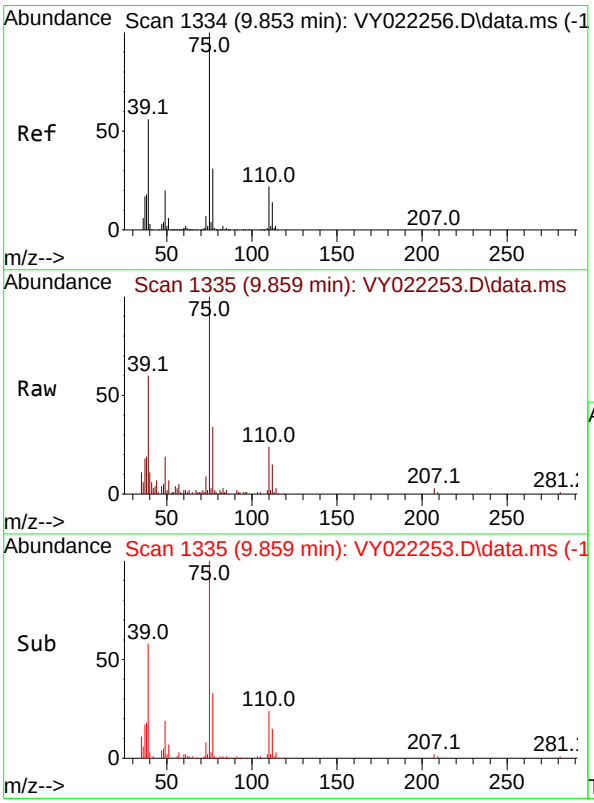
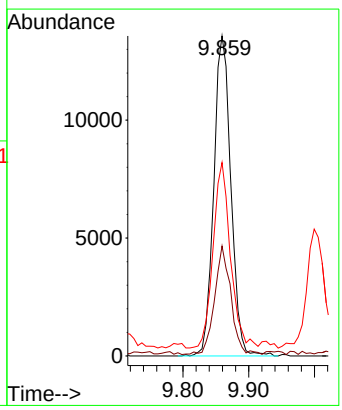
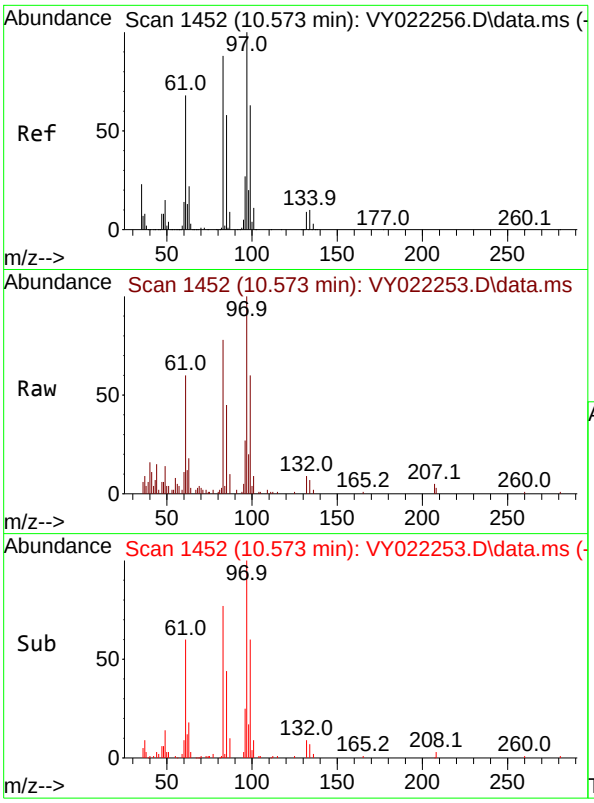


#54
cis-1,3-Dichloropropene
Concen: 4.758 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 24609

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.1	37.7
39	58.0	44.5	66.7

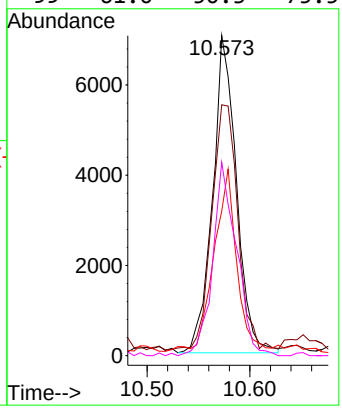




#55
1,1,2-Trichloroethane
Concen: 4.964 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 97 Resp: 1133

Ion	Ratio	Lower	Upper
97	100		
83	77.0	70.3	105.5
85	42.7	46.2	69.4
99	61.0	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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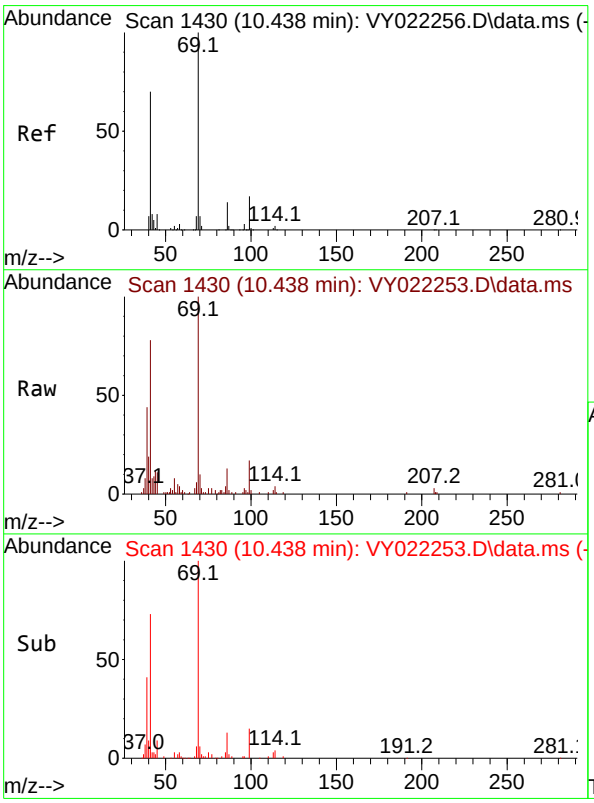
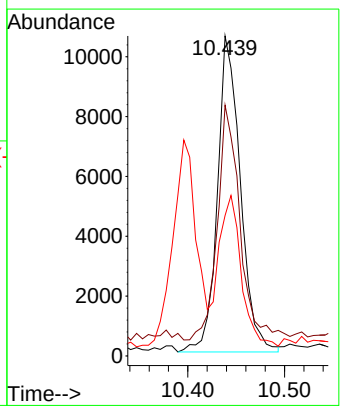
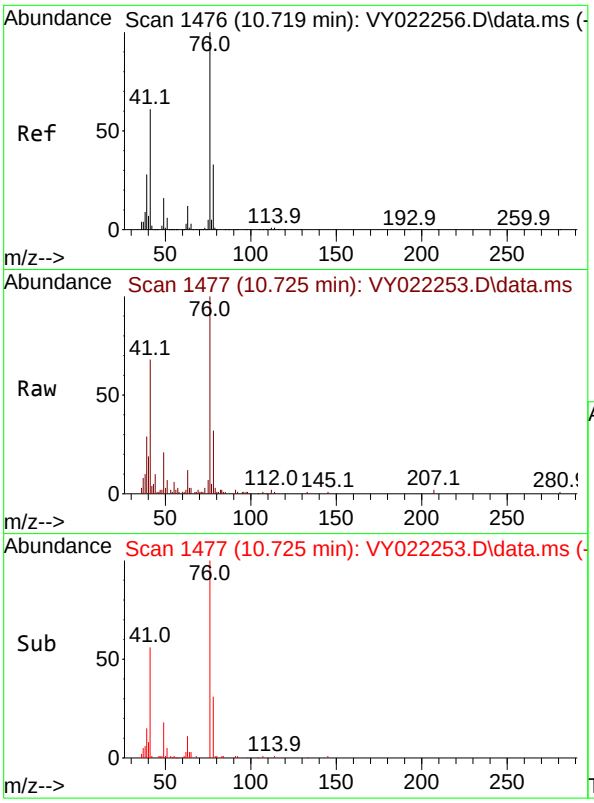


#56
Ethyl methacrylate
Concen: 4.898 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 69 Resp: 17420

Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.5	84.7
39	46.8	37.1	55.7





#57
1,3-Dichloropropane
Concen: 4.852 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 76 Resp: 1968

Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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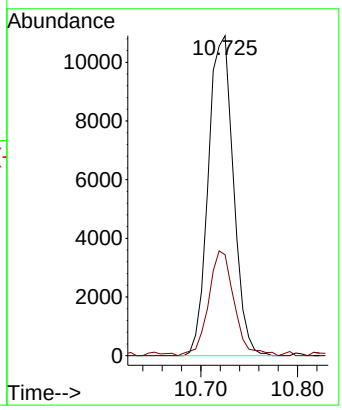
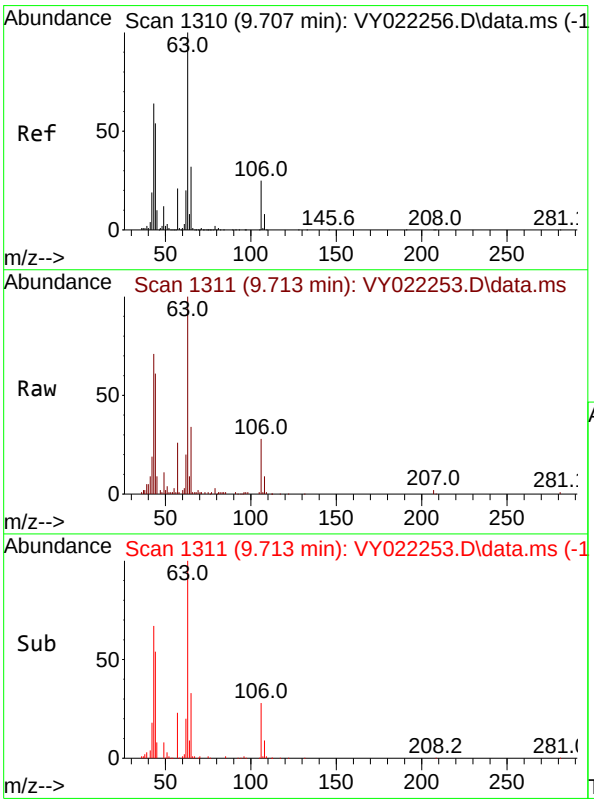
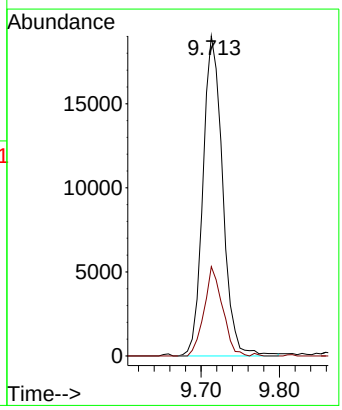


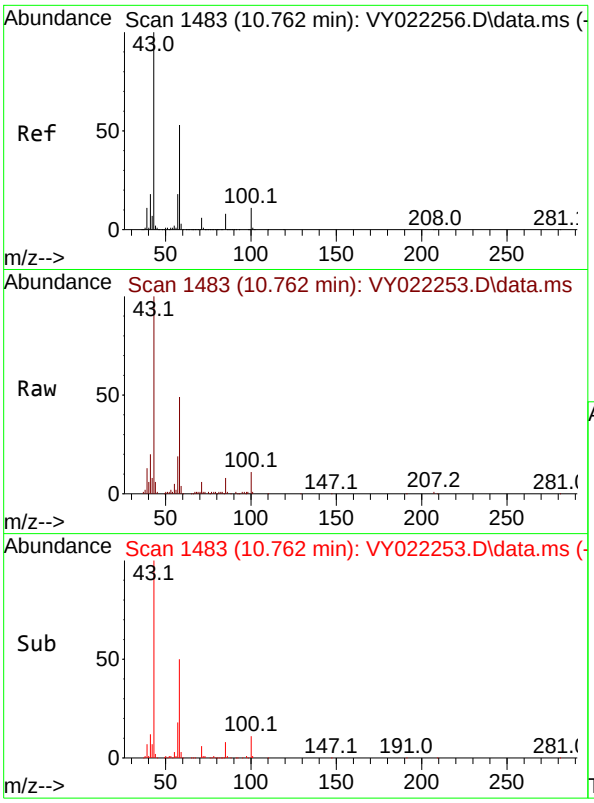


#58
2-Chloroethyl Vinyl ether
Concen: 20.807 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 63 Resp: 33215

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.0	31.4





#59
2-Hexanone
Concen: 24.617 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 3930

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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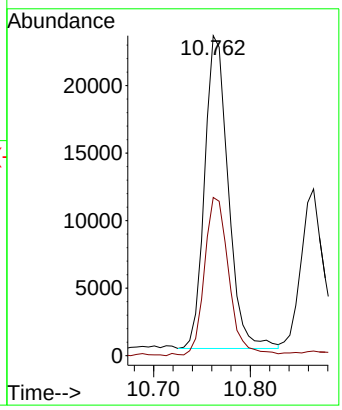
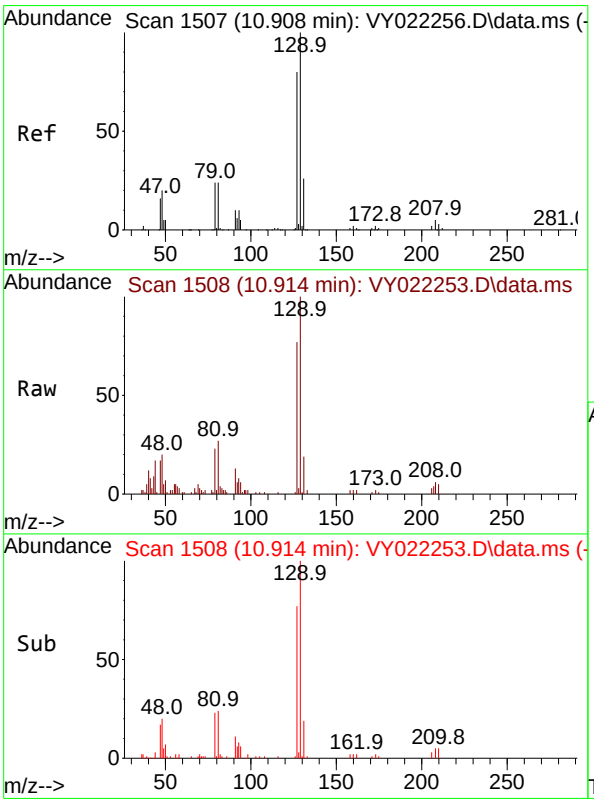
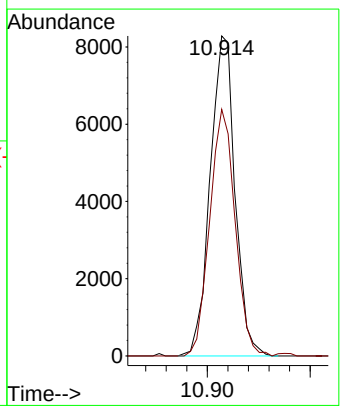


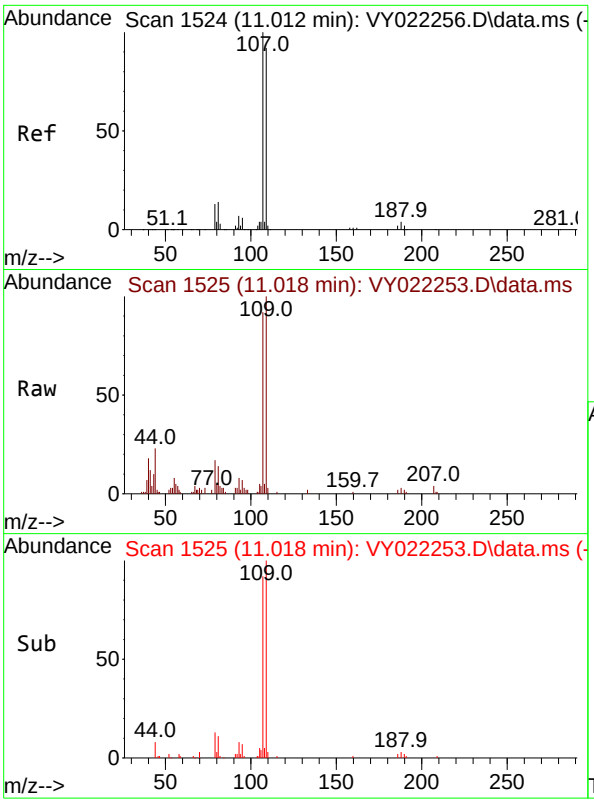


#60
Dibromochloromethane
Concen: 4.693 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:129 Resp: 13908

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.6	115.7

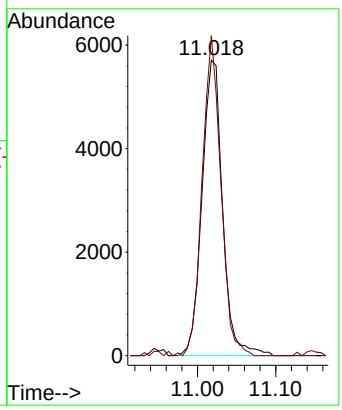




#61
1,2-Dibromoethane
Concen: 4.883 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:107 Resp: 1039

Ion	Ratio	Lower	Upper
107	100		
109	98.9	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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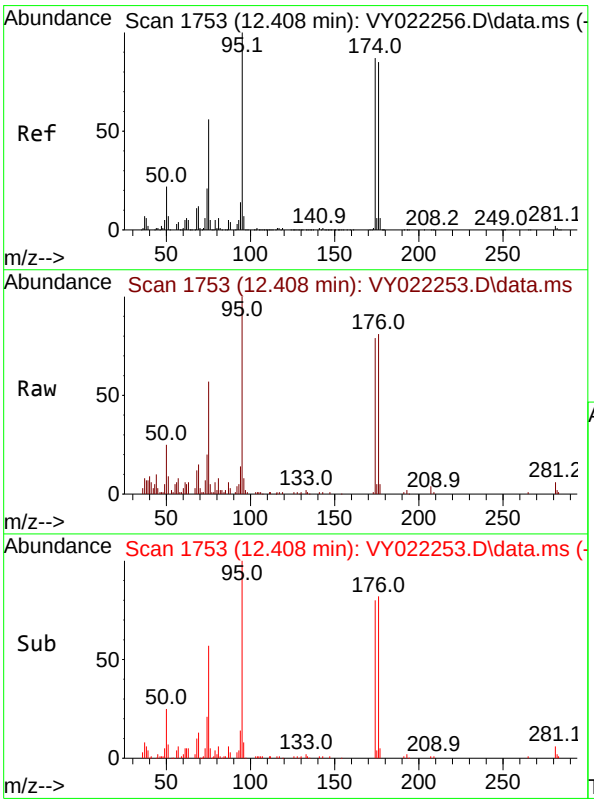
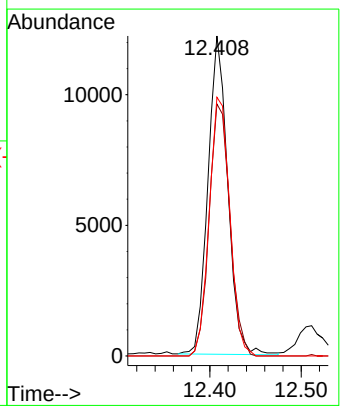
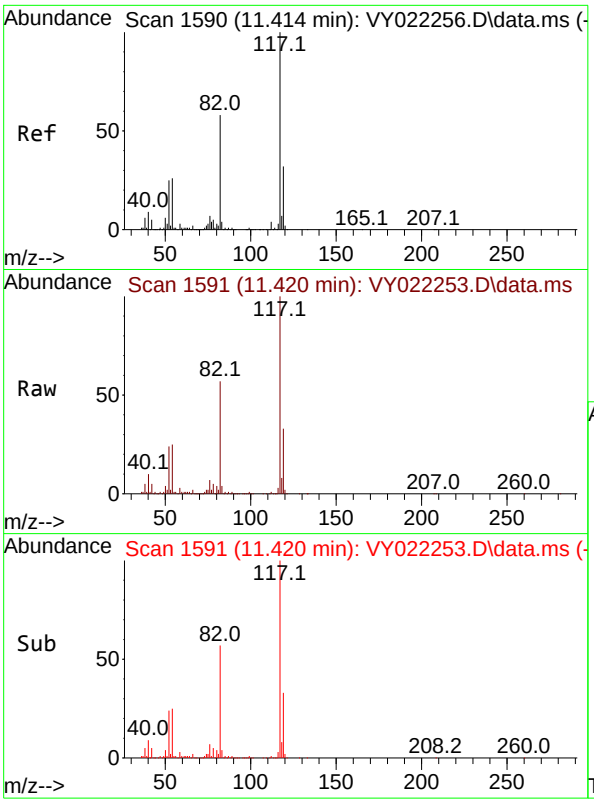


#62
4-Bromofluorobenzene
Concen: 5.028 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 95 Resp: 18328

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	166.8
176	84.3	0.0	160.8

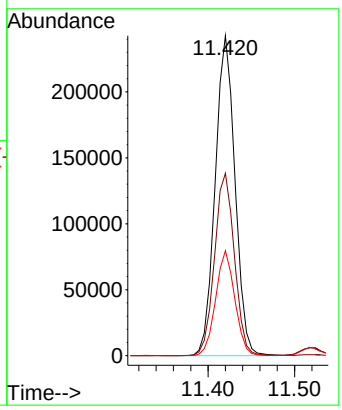




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 385399

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.6	70.0
119	32.8	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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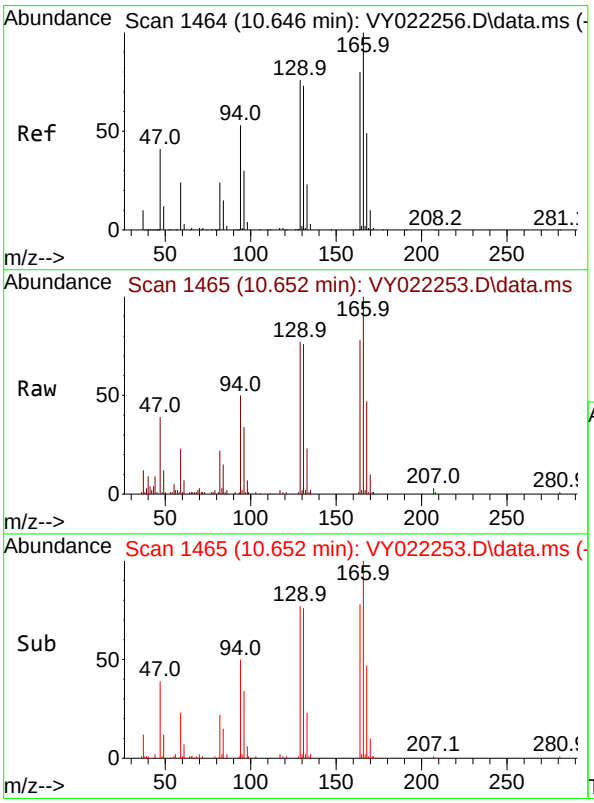
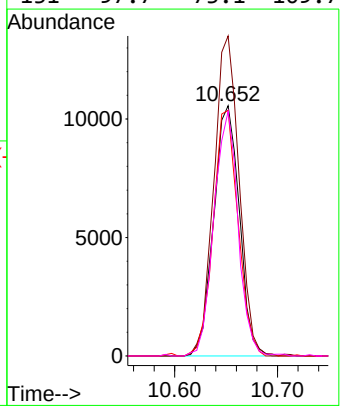
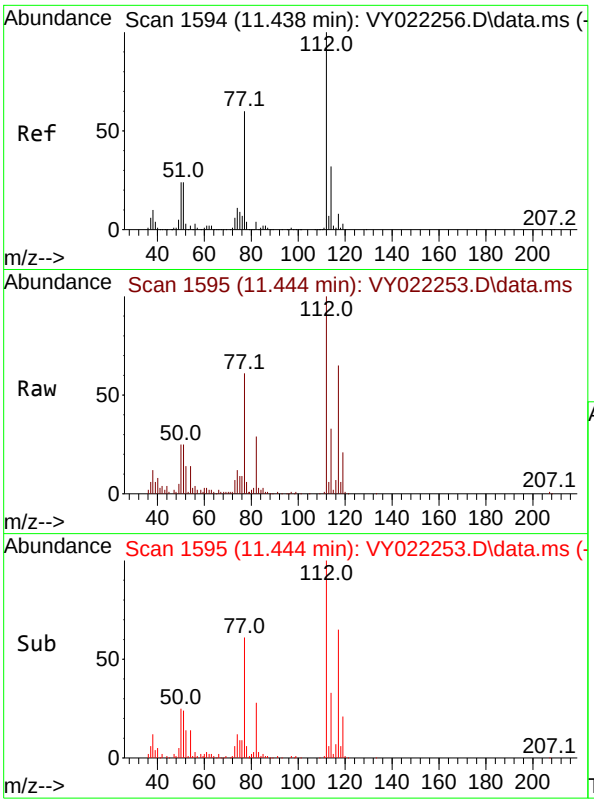


#64
Tetrachloroethene
Concen: 5.125 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:164 Resp: 18255

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.4	150.6
129	98.1	76.4	114.6
131	97.7	73.1	109.7

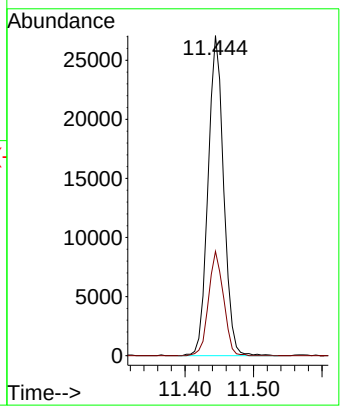




#65
Chlorobenzene
Concen: 4.927 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:112 Resp: 4284

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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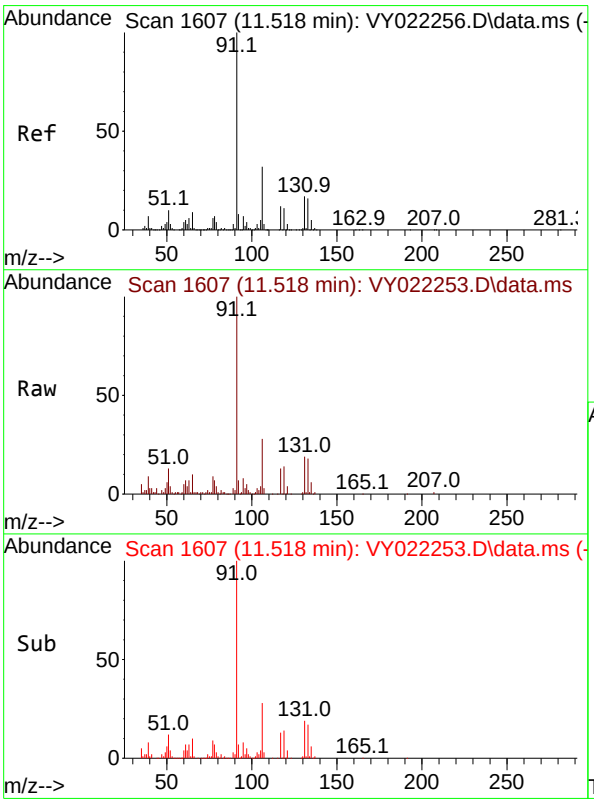
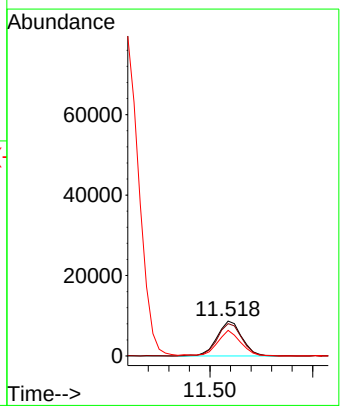
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

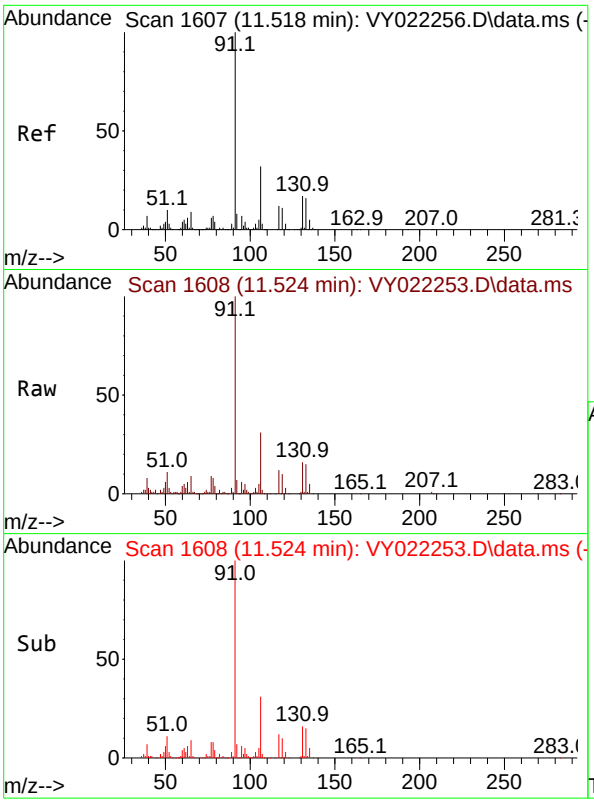


#66
1,1,1,2-Tetrachloroethane
Concen: 4.812 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:131 Resp: 14385

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	68.6	33.1	99.2





#67
Ethyl Benzene
Concen: 4.766 ug/l
RT: 11.524 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 7760(

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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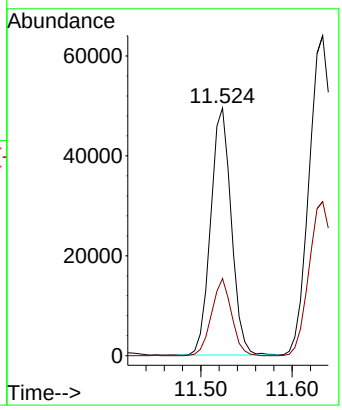
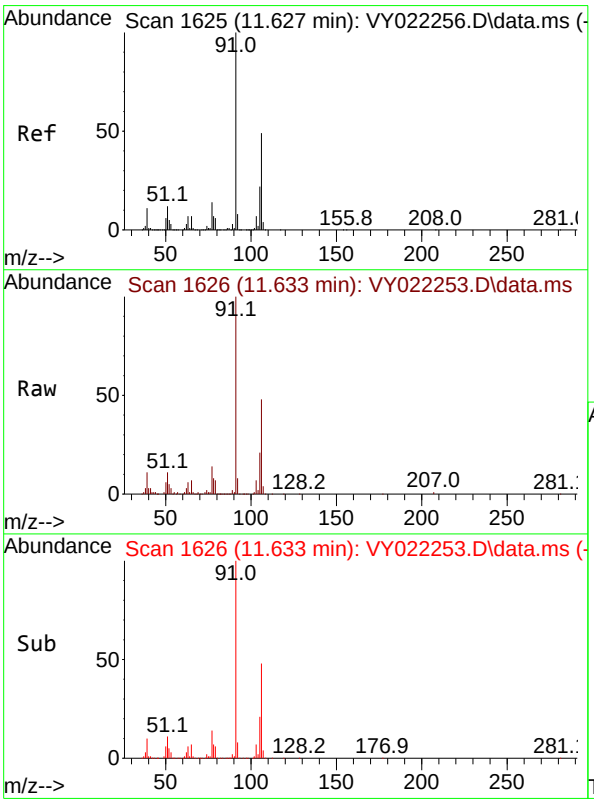
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

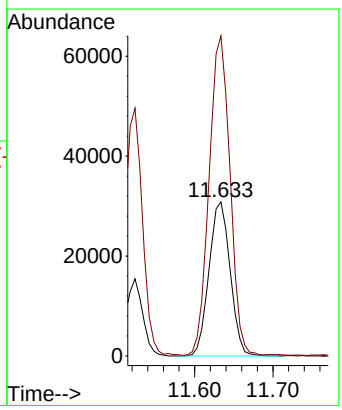


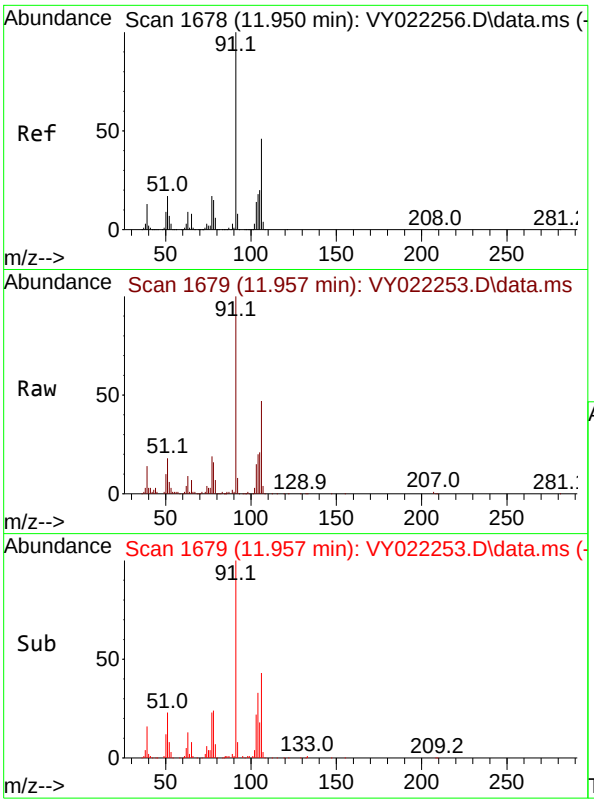


#68
m/p-Xylenes
Concen: 9.407 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:106 Resp: 57721

Ion	Ratio	Lower	Upper
106	100		
91	205.0	163.0	244.4

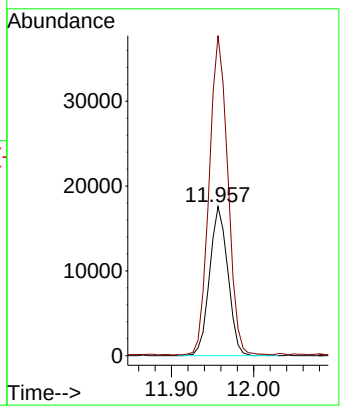




#69
o-Xylene
Concen: 4.673 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:106 Resp: 2713

Ion	Ratio	Lower	Upper
106	100		
91	218.6	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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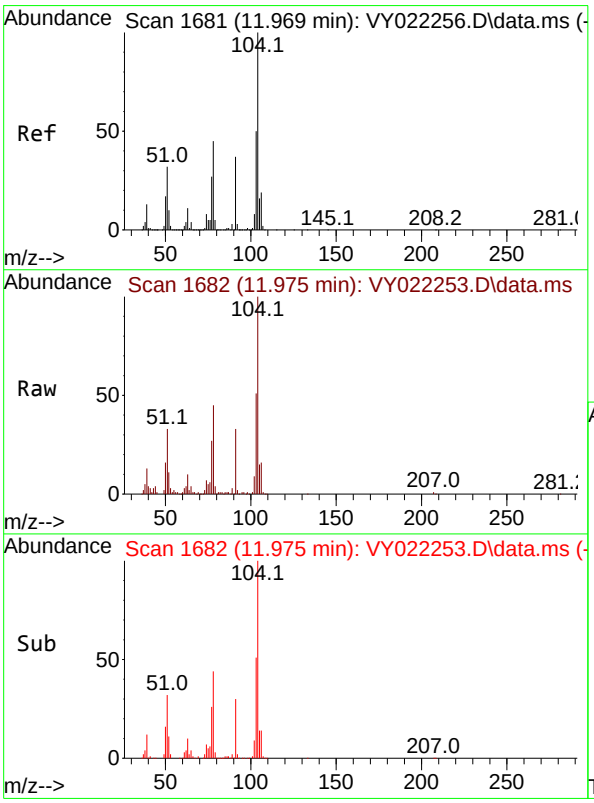
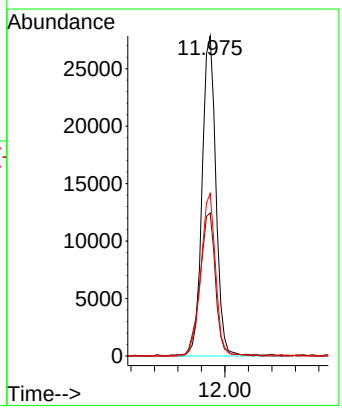
Supervised By :Semsettin Yesilyurt 05/16/2025

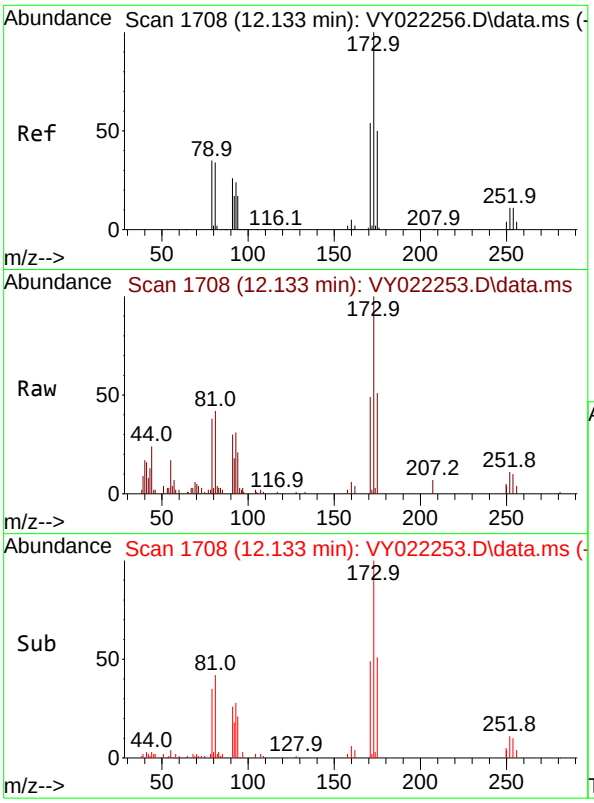


#70
Styrene
Concen: 4.652 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:104 Resp: 45556

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.9	61.3
103	54.2	43.7	65.5

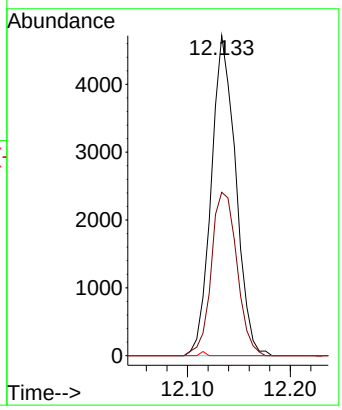




#71
Bromoform
Concen: 4.834 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:173 Resp: 7799

Ion	Ratio	Lower	Upper
173	100		
175	53.5	24.7	74.1
254	0.3	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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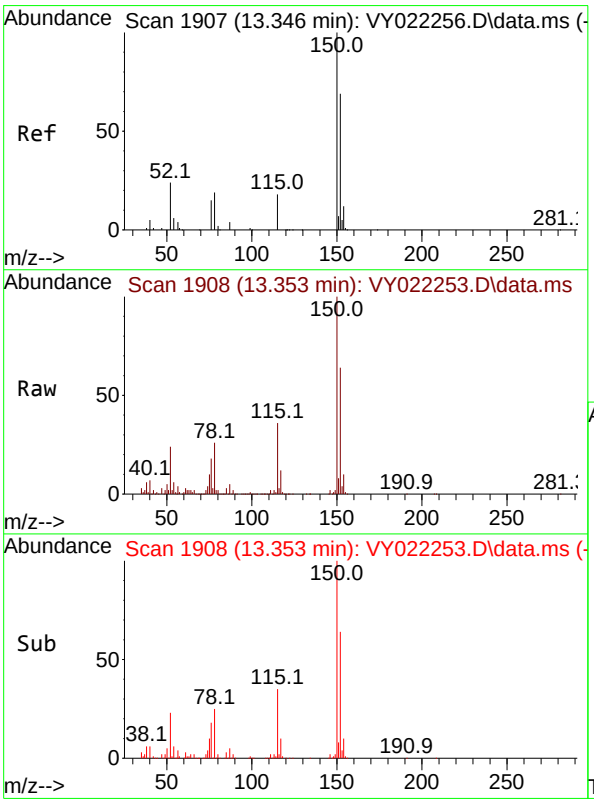
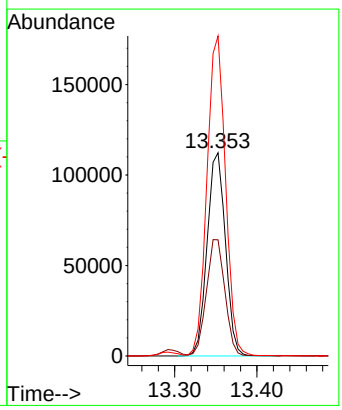
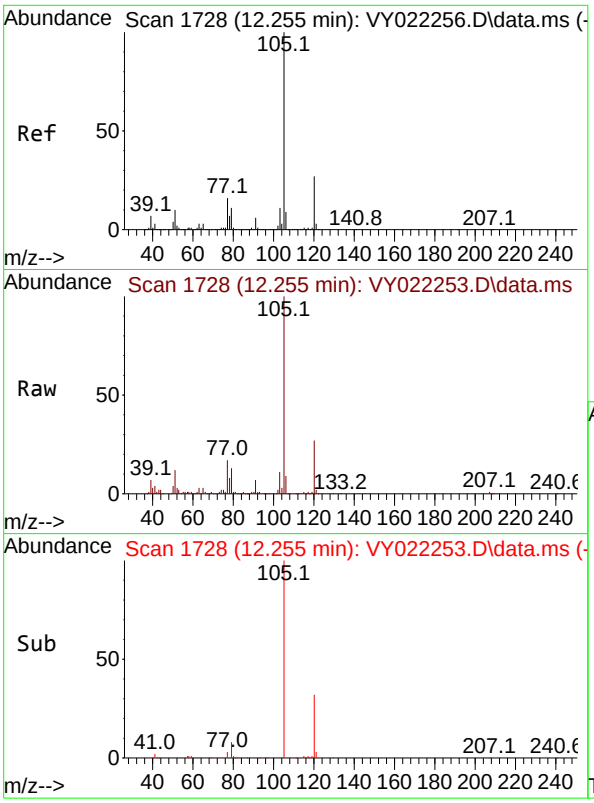


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:152 Resp: 174003

Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.4	88.2
150	158.8	0.0	353.8





#73
Isopropylbenzene
Concen: 5.017 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 7232

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.2	39.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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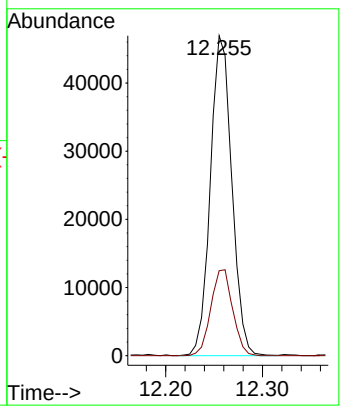
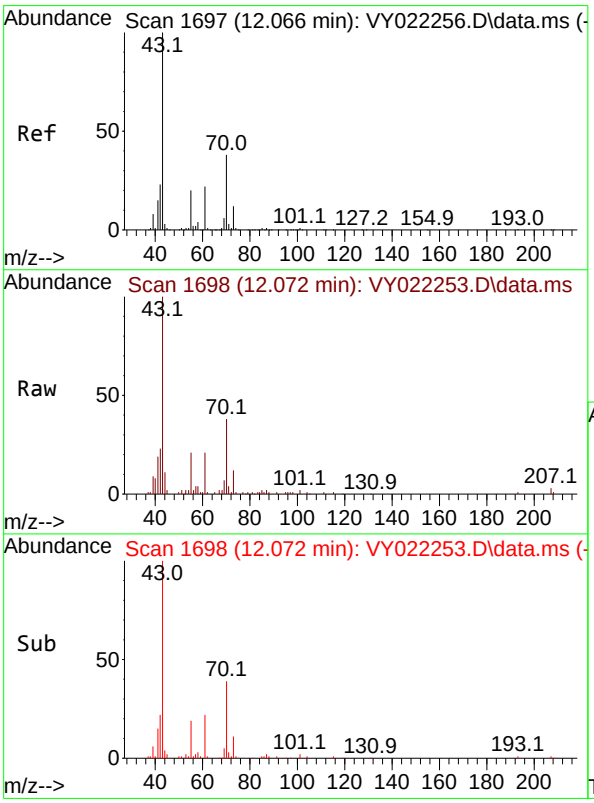
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

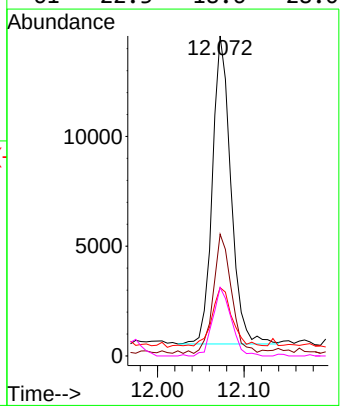


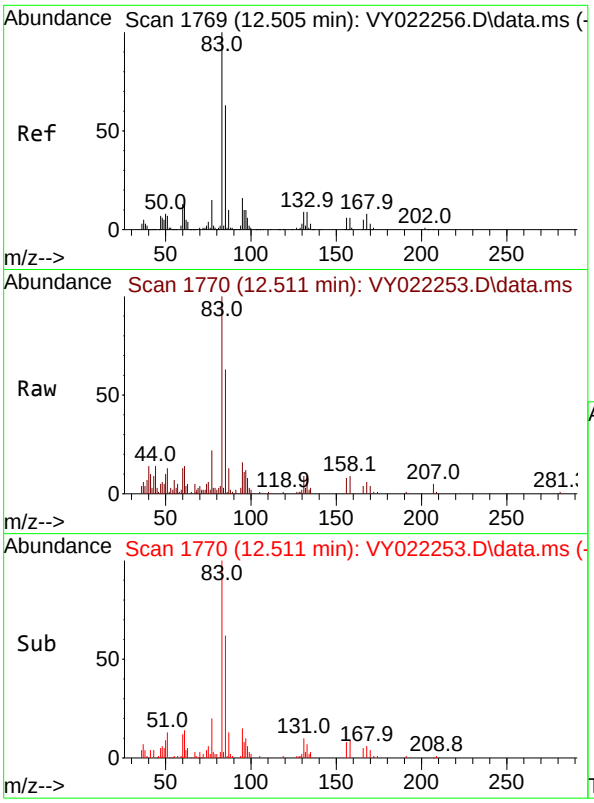


#74
N-amyl acetate
Concen: 5.043 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 43 Resp: 20793

Ion	Ratio	Lower	Upper
43	100		
70	37.9	31.4	47.0
55	19.9	17.0	25.6
61	22.3	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 83 Resp: 1142

Ion	Ratio	Lower	Upper
83	100		
131	10.9	4.9	14.7
85	63.6	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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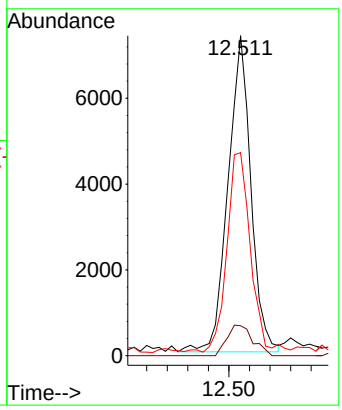
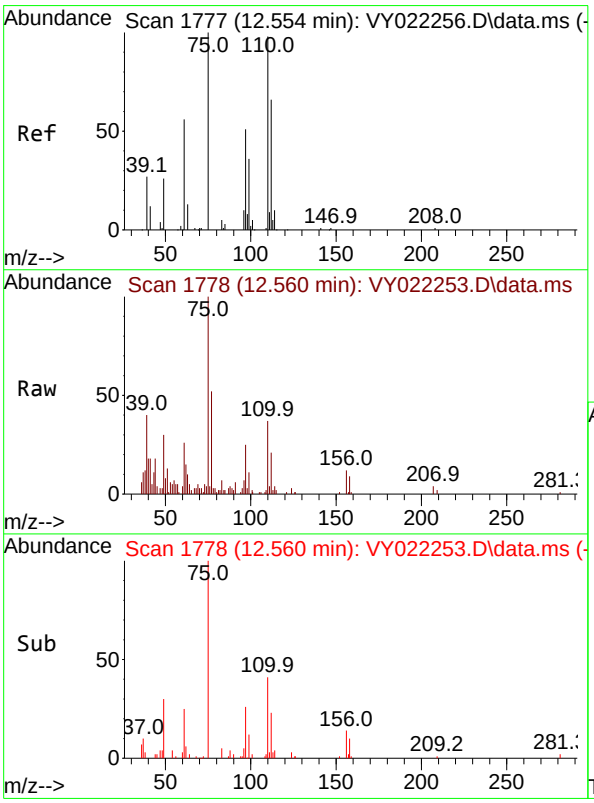
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

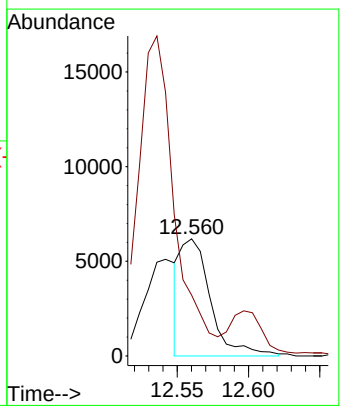


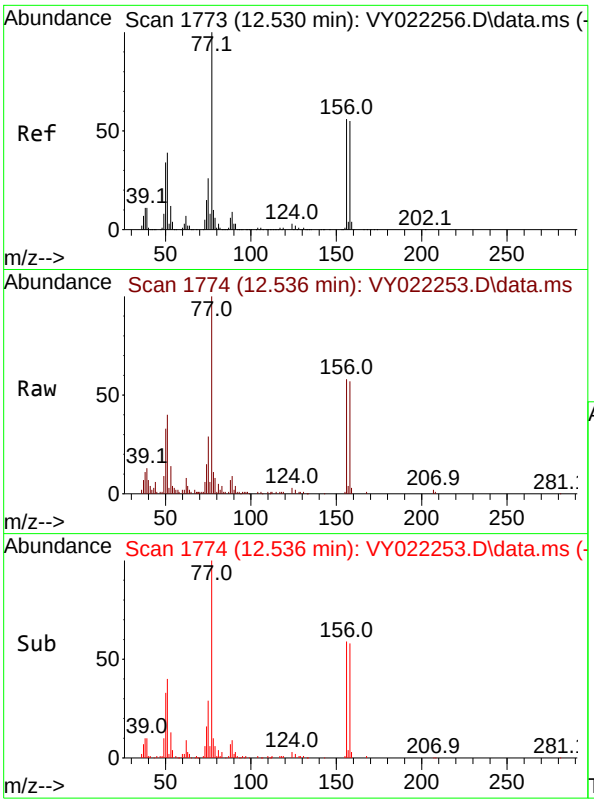


#76
1,2,3-Trichloropropane
Concen: 2.960 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 9076

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

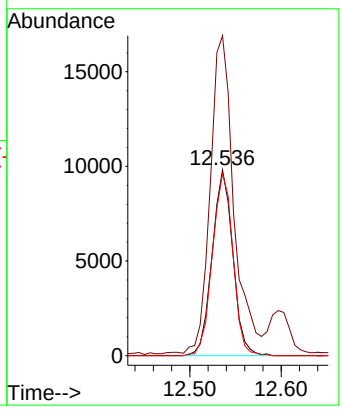




#77
Bromobenzene
Concen: 5.015 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:156 Resp: 1544

Ion	Ratio	Lower	Upper
156	100		
77	195.0	94.5	283.6
158	97.7	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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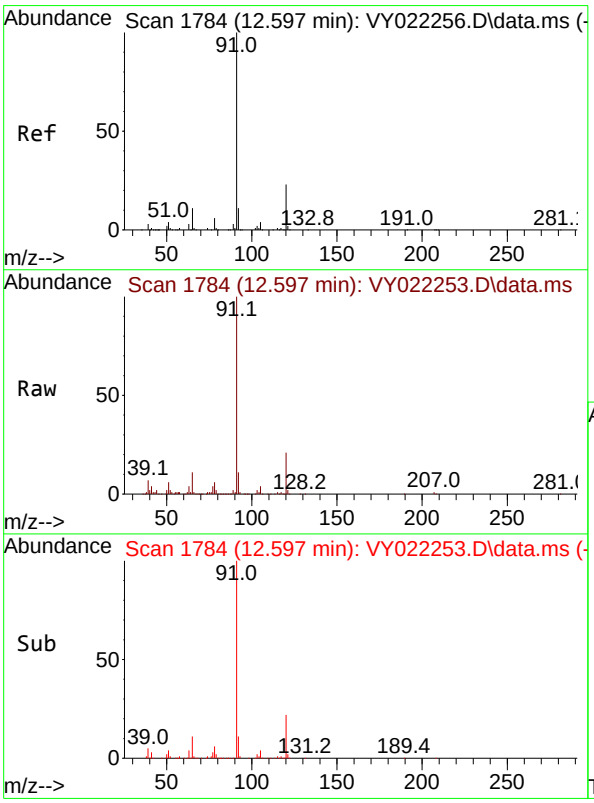
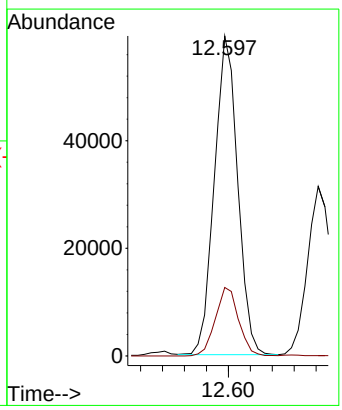
Supervised By :Semsettin Yesilyurt 05/16/2025

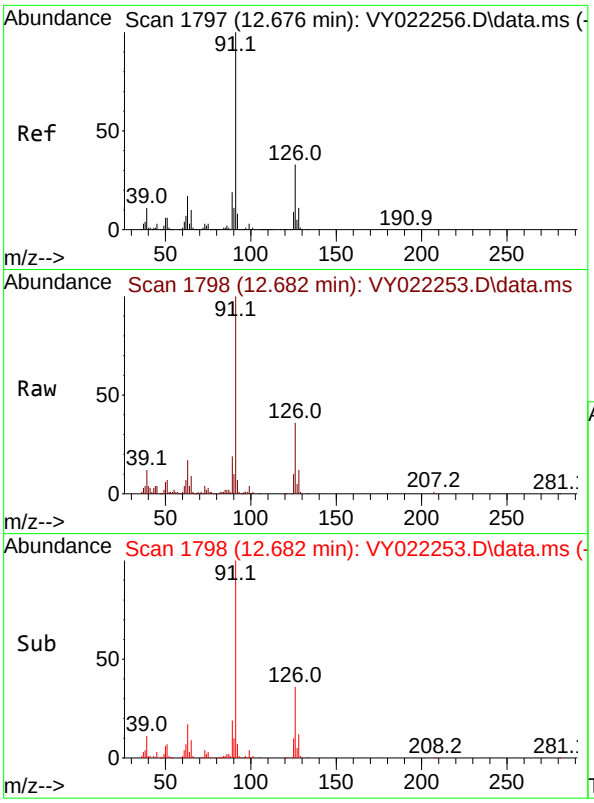


#78
n-propylbenzene
Concen: 5.034 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 87533

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3

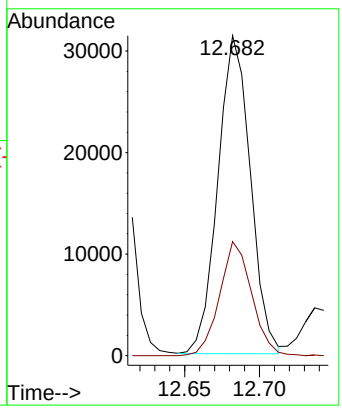




#79
2-Chlorotoluene
Concen: 4.944 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 4724

Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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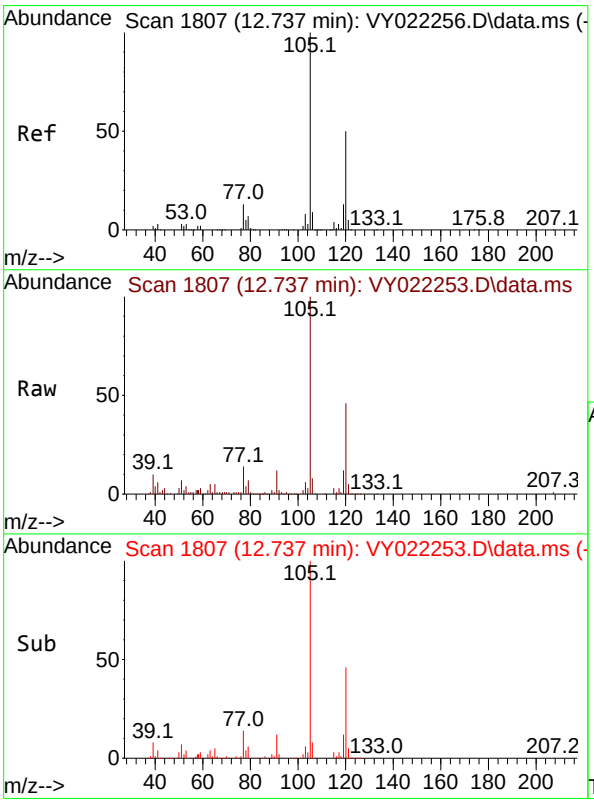
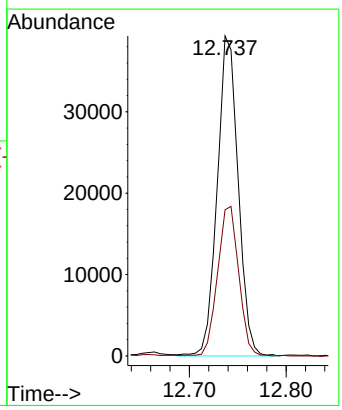
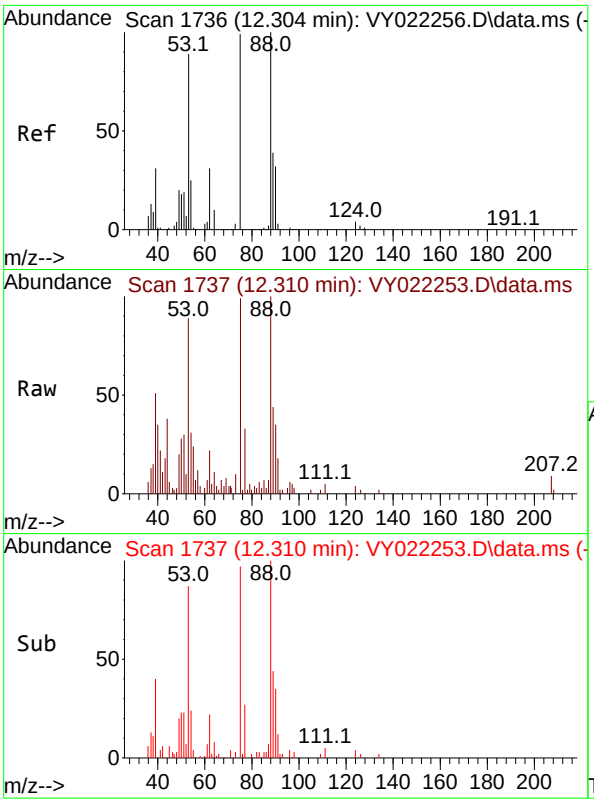


#80
1,3,5-Trimethylbenzene
Concen: 5.073 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 59031

Ion	Ratio	Lower	Upper
105	100		
120	47.3	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 5.373 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 467

Ion	Ratio	Lower	Upper
75	100		
53	93.6	75.8	113.8
89	50.0	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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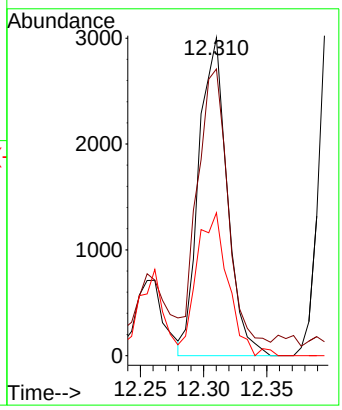
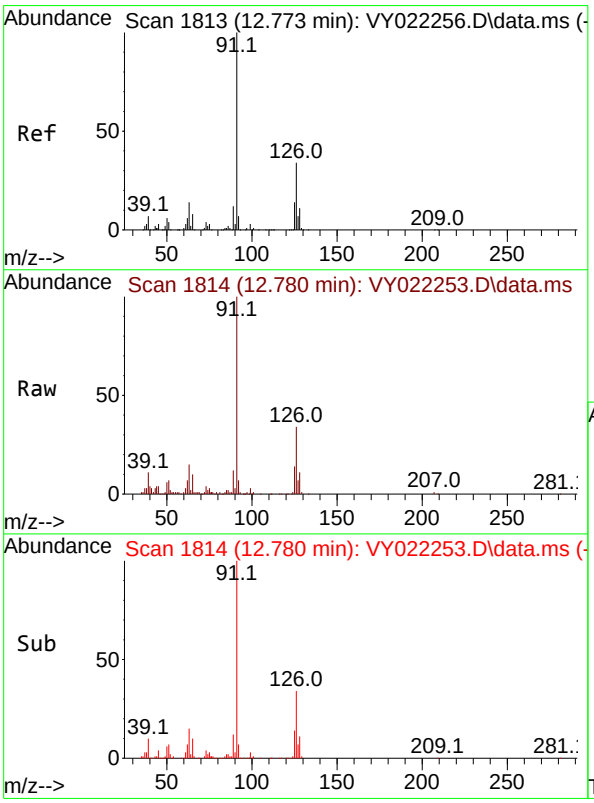
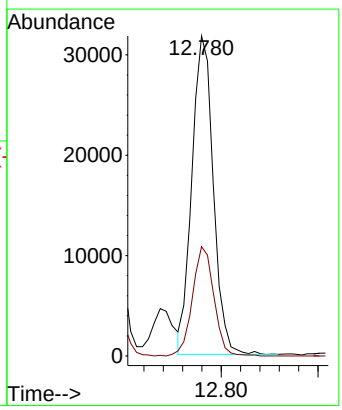


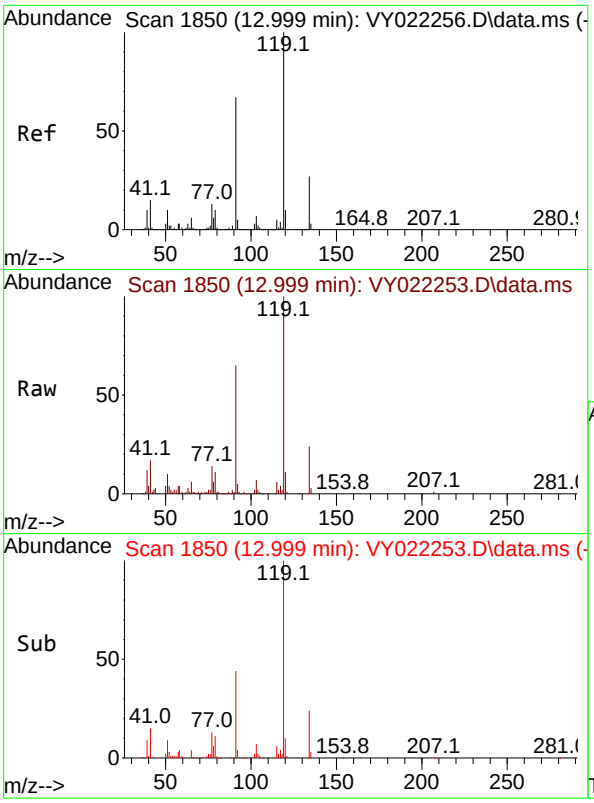


#82
4-Chlorotoluene
Concen: 4.959 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 48737

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4

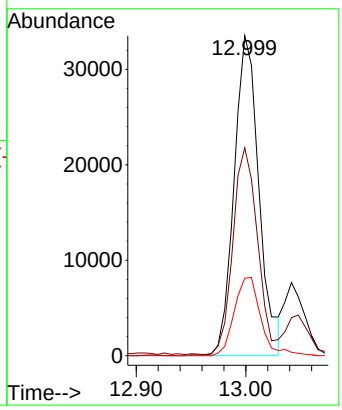




#83
tert-Butylbenzene
Concen: 5.109 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:119 Resp: 5284

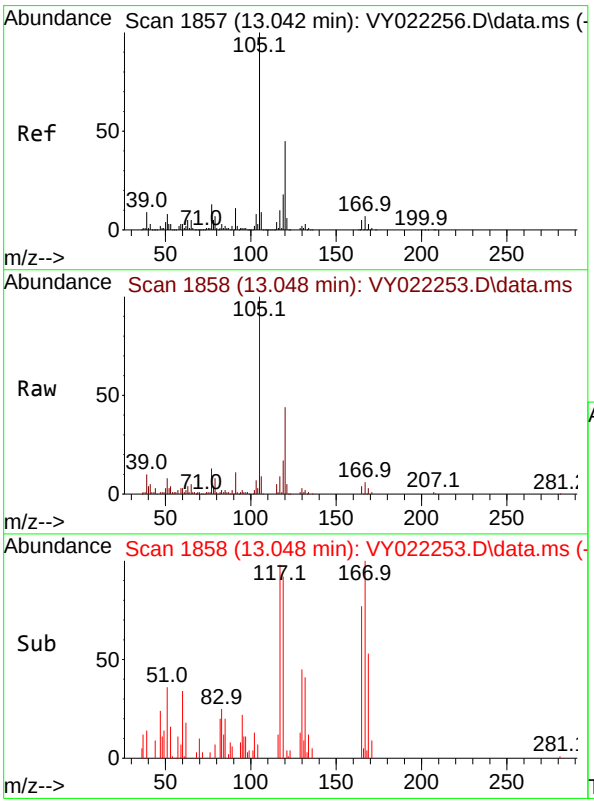
Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	26.0	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

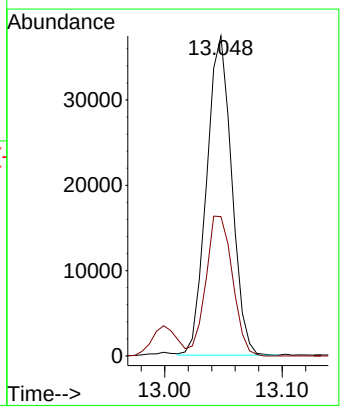
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

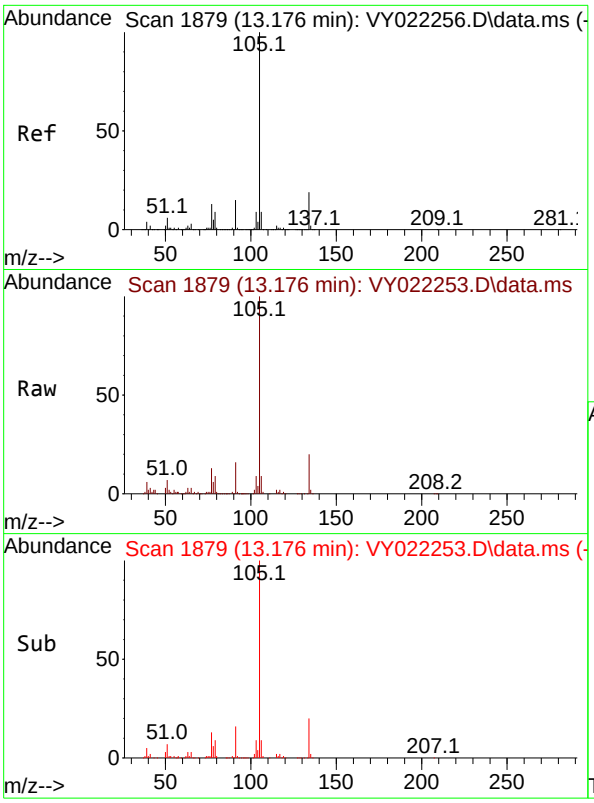


#84
1,2,4-Trimethylbenzene
Concen: 4.804 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:105 Resp: 55488

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.3	66.9





#85
sec-Butylbenzene
Concen: 4.975 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

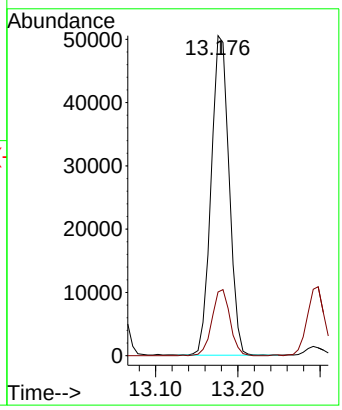
Tgt Ion:105 Resp: 7638

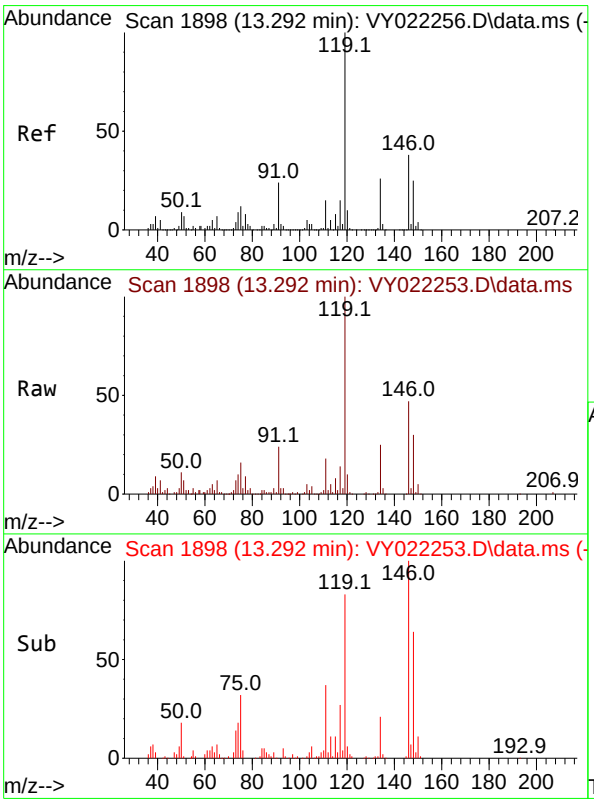
Ion	Ratio	Lower	Upper
105	100		
134	20.9	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

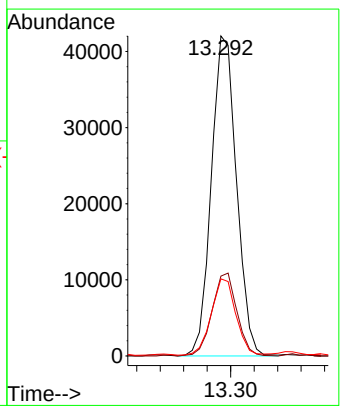


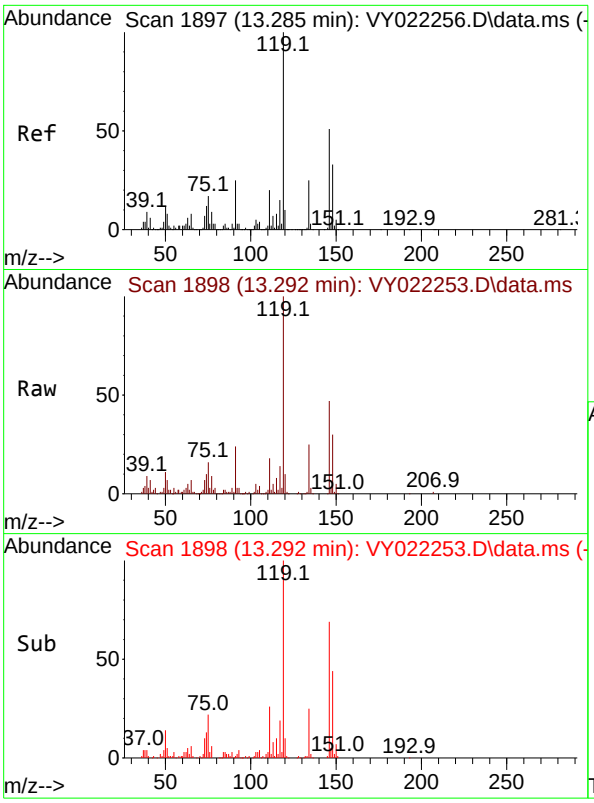


#86
p-Isopropyltoluene
Concen: 4.849 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:119 Resp: 62608

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	23.2	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 4.863 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

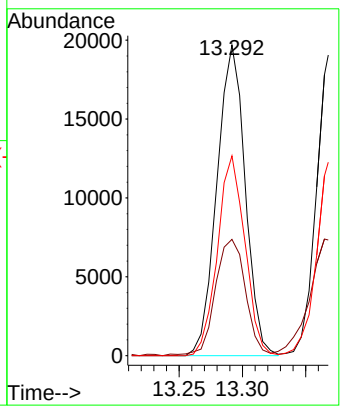
Tgt Ion:146 Resp: 3056

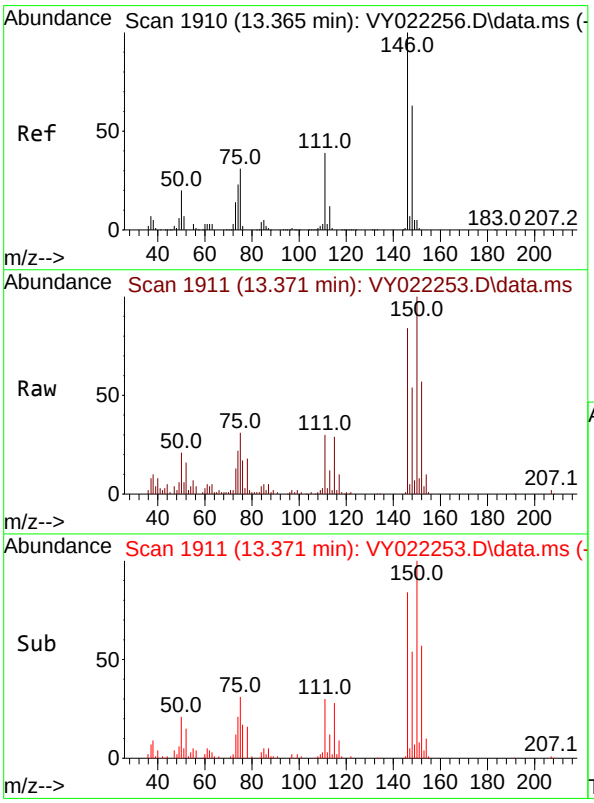
Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	62.5	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

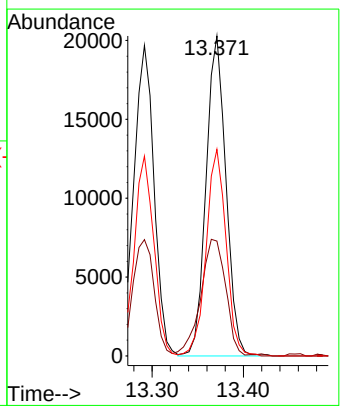


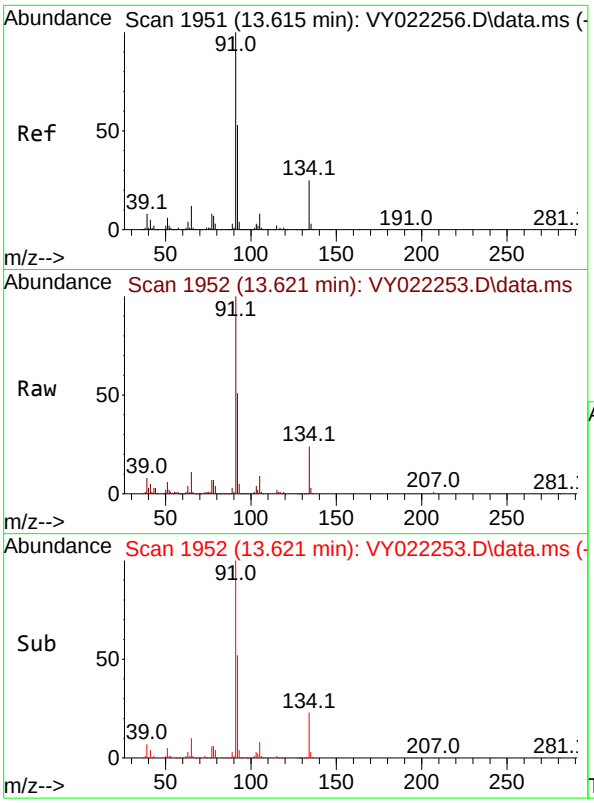


#88
1,4-Dichlorobenzene
Concen: 5.063 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:146 Resp: 30610

Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.0	59.9
148	64.8	32.1	96.5

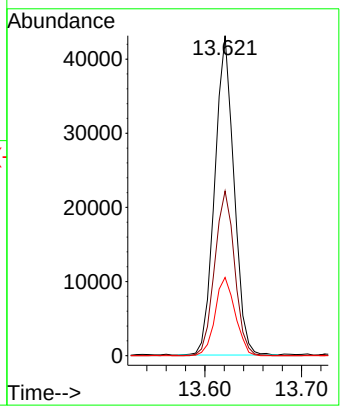




#89
n-Butylbenzene
Concen: 4.869 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 91 Resp: 5948

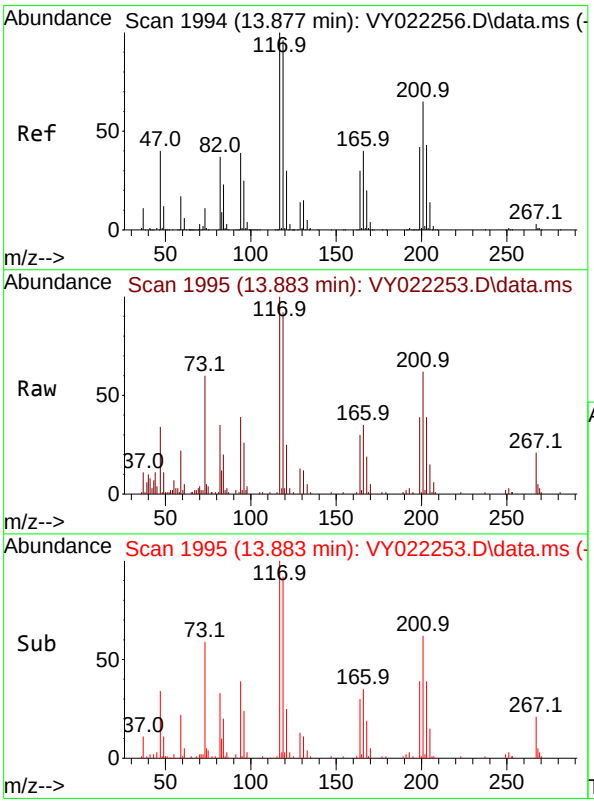
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	25.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

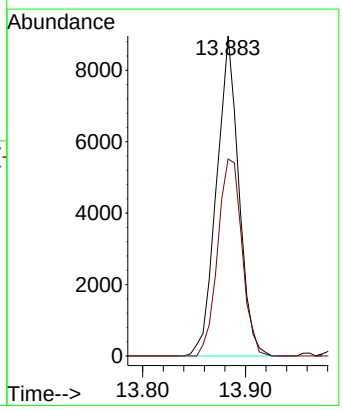
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

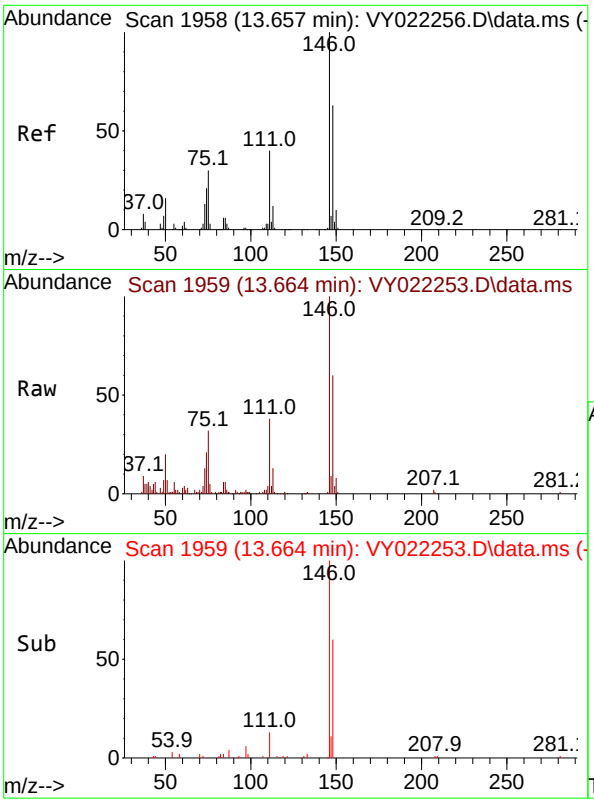


#90
Hexachloroethane
Concen: 5.158 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:117 Resp: 13445

Ion	Ratio	Lower	Upper
117	100		
201	67.2	35.2	105.6

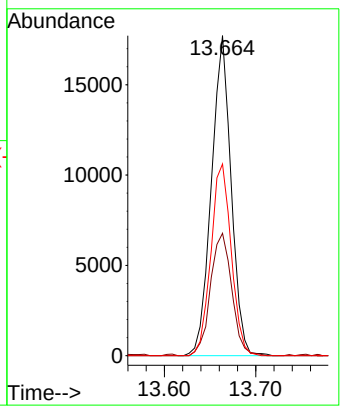




#91
1,2-Dichlorobenzene
Concen: 5.030 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:146 Resp: 2655

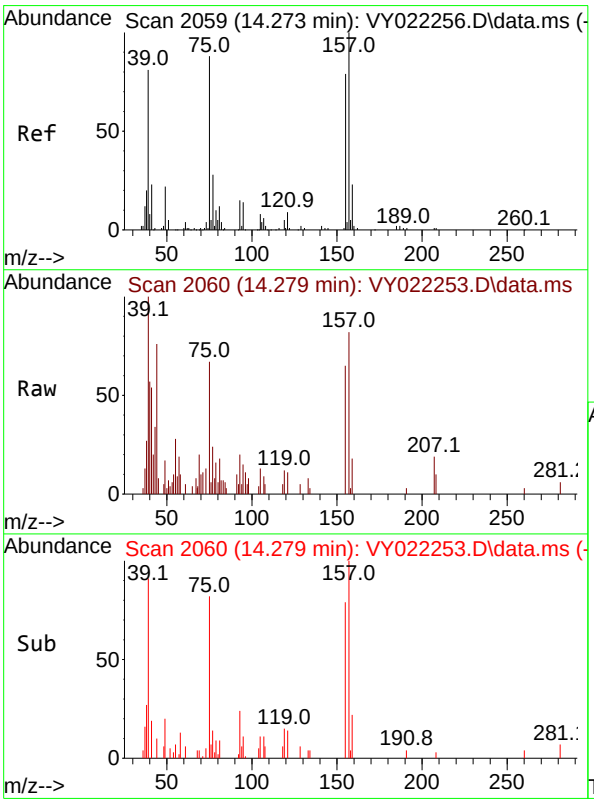
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.5	61.5
148	61.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

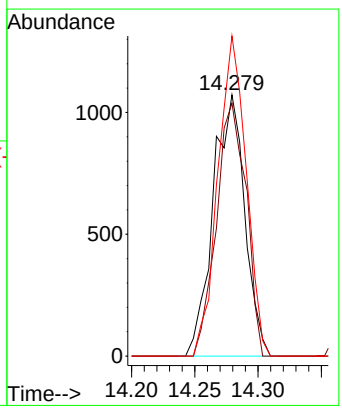
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

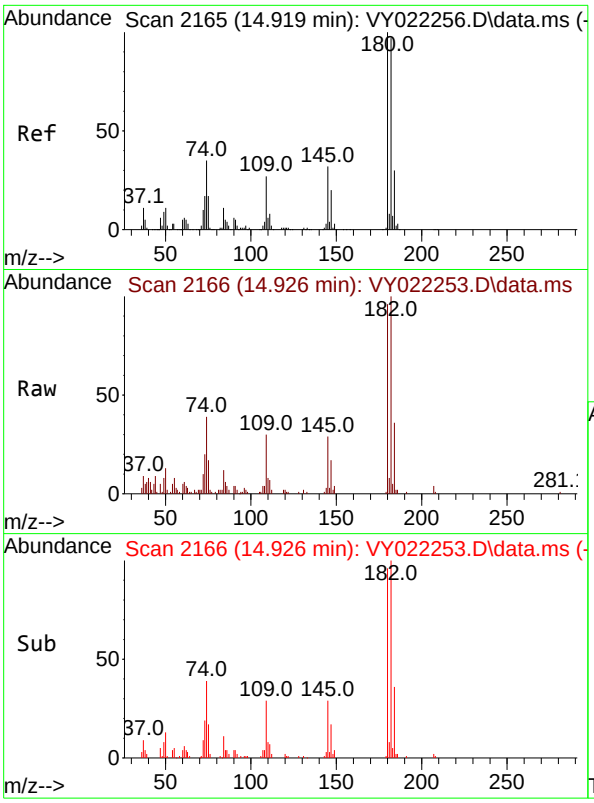


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.217 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion: 75 Resp: 1865

Ion	Ratio	Lower	Upper
75	100		
155	90.8	43.4	130.1
157	109.4	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 4.906 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

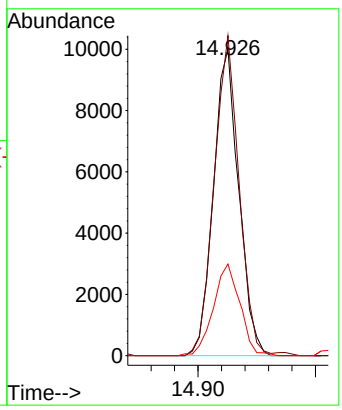
Tgt Ion:180 Resp: 1496

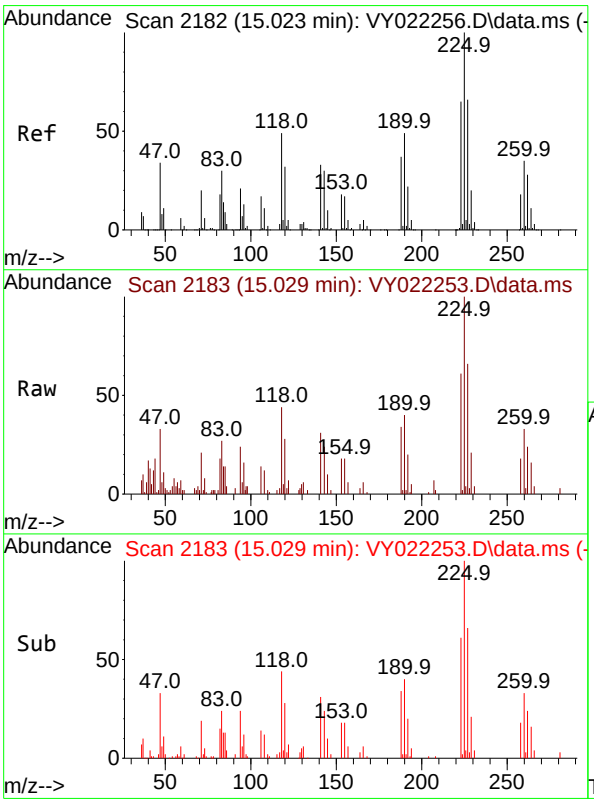
Ion	Ratio	Lower	Upper
180	100		
182	103.3	48.0	144.0
145	31.4	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

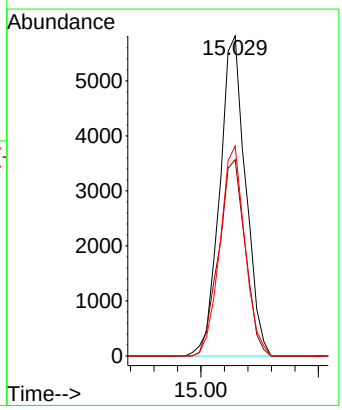


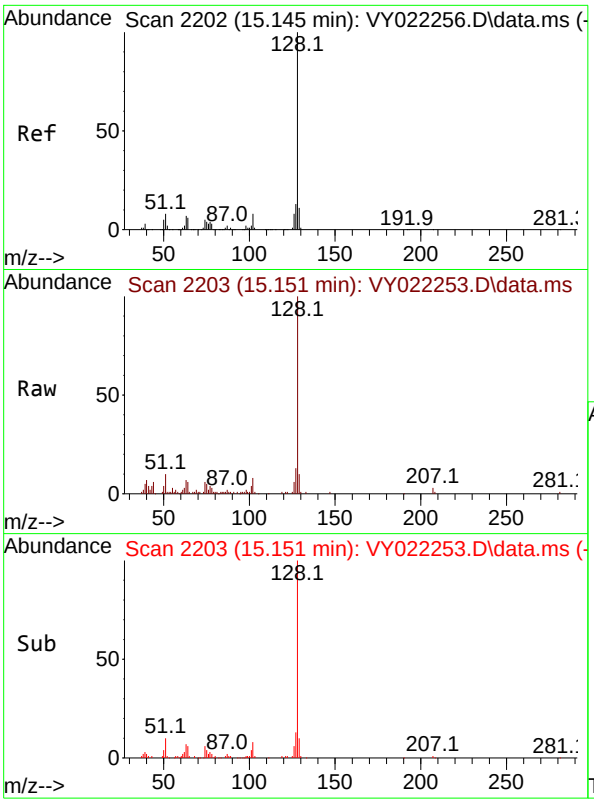


#94
Hexachlorobutadiene
Concen: 5.226 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:225 Resp: 8887

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.3	32.1	96.3

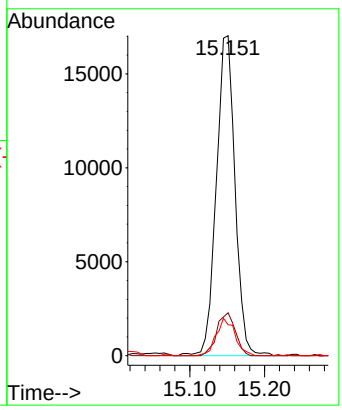




#95
Naphthalene
Concen: 5.124 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:128 Resp: 2965

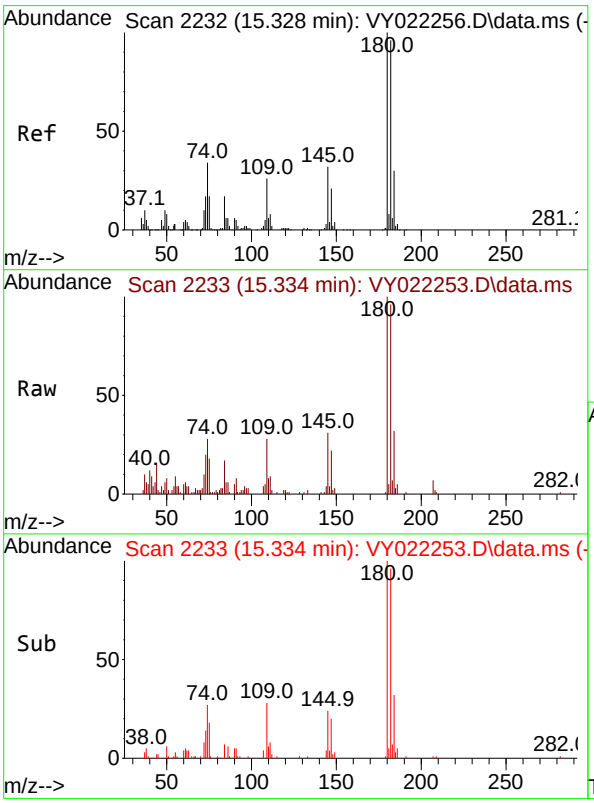
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.7	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

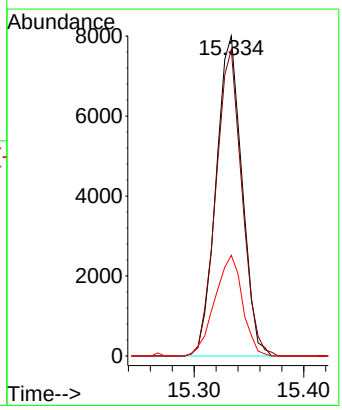
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.063 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022253.D
Acq: 15 May 2025 09:46

Tgt Ion:180 Resp: 13097

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.1	141.3
145	33.7	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	265034	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	446109	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	377211	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	171972	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	29608	10.222	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.440%#			
35) Dibromofluoromethane	7.634	113	26242	9.856	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.720%#			
50) Toluene-d8	10.109	98	107048	9.816	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.640%#			
62) 4-Bromofluorobenzene	12.408	95	34423	9.959	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.920%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	31097	11.245	ug/l		99
3) Chloromethane	2.068	50	65589	11.275	ug/l		98
4) Vinyl Chloride	2.202	62	69800	10.739	ug/l		95
5) Bromomethane	2.592	94	54773	10.352	ug/l		99
6) Chloroethane	2.732	64	43122	10.665	ug/l		99
7) Trichlorofluoromethane	3.056	101	68501	10.410	ug/l		99
8) Diethyl Ether	3.458	74	16945	10.730	ug/l		96
9) 1,1,2-Trichlorotrifluo...	3.812	101	30591	10.708	ug/l		99
10) Methyl Iodide	4.007	142	31088	9.402	ug/l		97
11) Tert butyl alcohol	4.878	59	12043	54.446	ug/l	#	100
12) 1,1-Dichloroethene	3.793	96	28831	10.170	ug/l		95
13) Acrolein	3.659	56	17927	55.439	ug/l		96
14) Allyl chloride	4.378	41	51275	10.315	ug/l		99
15) Acrylonitrile	5.061	53	33277	51.139	ug/l		100
16) Acetone	3.879	43	30229	55.657	ug/l		100
17) Carbon Disulfide	4.104	76	96591	10.448	ug/l		97
18) Methyl Acetate	4.385	43	16338	9.886	ug/l		94
19) Methyl tert-butyl Ether	5.116	73	80714	10.326	ug/l		96
20) Methylene Chloride	4.622	84	42991	12.250	ug/l		95
21) trans-1,2-Dichloroethene	5.116	96	32258	10.309	ug/l		98
22) Diisopropyl ether	6.018	45	106493	10.145	ug/l		94
23) Vinyl Acetate	5.964	43	324651	51.192	ug/l		100
24) 1,1-Dichloroethane	5.915	63	60198	10.265	ug/l		97
25) 2-Butanone	6.896	43	48022	52.859	ug/l		98
26) 2,2-Dichloropropane	6.890	77	54264	10.403	ug/l		99
27) cis-1,2-Dichloroethene	6.890	96	36403	10.081	ug/l		98
28) Bromochloromethane	7.244	49	25664	10.259	ug/l		98
29) Tetrahydrofuran	7.274	42	30684	52.498	ug/l		98
30) Chloroform	7.421	83	57172	10.163	ug/l		100
31) Cyclohexane	7.701	56	63155	10.778	ug/l		95
32) 1,1,1-Trichloroethane	7.622	97	52856	10.242	ug/l		99
36) 1,1-Dichloropropene	7.835	75	44817	10.219	ug/l		97
37) Ethyl Acetate	6.994	43	20624	9.774	ug/l		97
38) Carbon Tetrachloride	7.817	117	46772	10.303	ug/l		97
39) Methylcyclohexane	9.109	83	60489	10.266	ug/l		98
40) Benzene	8.079	78	130423	10.032	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.250	41	16228m	10.510 ug/l		
42) 1,2-Dichloroethane	8.158	62	35565	10.115 ug/l		100
43) Isopropyl Acetate	8.201	43	47020	10.217 ug/l		98
44) Trichloroethene	8.865	130	32655	10.101 ug/l		99
45) 1,2-Dichloropropane	9.140	63	32172	10.264 ug/l		93
46) Dibromomethane	9.231	93	17134	10.135 ug/l		99
47) Bromodichloromethane	9.426	83	44045	10.042 ug/l		96
48) Methyl methacrylate	9.225	41	21202	9.851 ug/l		98
49) 1,4-Dioxane	9.231	88	3930	205.769 ug/l	#	75
51) 4-Methyl-2-Pentanone	9.999	43	110396	48.889 ug/l		100
52) Toluene	10.170	92	82453	10.015 ug/l		96
53) t-1,3-Dichloropropene	10.396	75	42158	9.849 ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	48923	9.976 ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	21720	10.033 ug/l		97
56) Ethyl methacrylate	10.438	69	32286	9.574 ug/l		98
57) 1,3-Dichloropropane	10.719	76	38908	10.115 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	66700	44.066 ug/l		100
59) 2-Hexanone	10.761	43	74432	49.162 ug/l		99
60) Dibromochloromethane	10.914	129	28002	9.965 ug/l		99
61) 1,2-Dibromoethane	11.018	107	20378	10.099 ug/l		99
64) Tetrachloroethene	10.646	164	36274	10.404 ug/l		99
65) Chlorobenzene	11.444	112	83730	9.839 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	28441	9.721 ug/l		97
67) Ethyl Benzene	11.517	91	154155	9.672 ug/l		97
68) m/p-Xylenes	11.627	106	116113	19.334 ug/l		99
69) o-Xylene	11.956	106	55896	9.837 ug/l		96
70) Styrene	11.969	104	91569	9.553 ug/l		99
71) Bromoform	12.133	173	16151	10.228 ug/l	#	95
73) Isopropylbenzene	12.255	105	144186	10.120 ug/l		99
74) N-amyl acetate	12.072	43	40345	9.901 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	22243	10.152 ug/l		96
76) 1,2,3-Trichloropropane	12.560	75	16056m	5.297 ug/l		
77) Bromobenzene	12.536	156	30445	10.005 ug/l		99
78) n-propylbenzene	12.597	91	173575	10.101 ug/l		100
79) 2-Chlorotoluene	12.682	91	95815	10.146 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	116461	10.126 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	8934	10.388 ug/l		94
82) 4-Chlorotoluene	12.779	91	97309	10.018 ug/l		99
83) tert-Butylbenzene	12.999	119	102274	10.005 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	115175	10.088 ug/l		99
85) sec-Butylbenzene	13.176	105	153443	10.112 ug/l		100
86) p-Isopropyltoluene	13.291	119	124147	9.728 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	61011	9.822 ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	60723	10.163 ug/l		97
89) n-Butylbenzene	13.621	91	120371	9.970 ug/l		99
90) Hexachloroethane	13.883	117	26089	10.127 ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	52282	10.020 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3588	10.155 ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	29073	9.646 ug/l		99
94) Hexachlorobutadiene	15.023	225	16686	9.927 ug/l		98
95) Naphthalene	15.145	128	54307	9.495 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	24790	9.696 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022254.D
Acq On : 15 May 2025 10:16
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 01:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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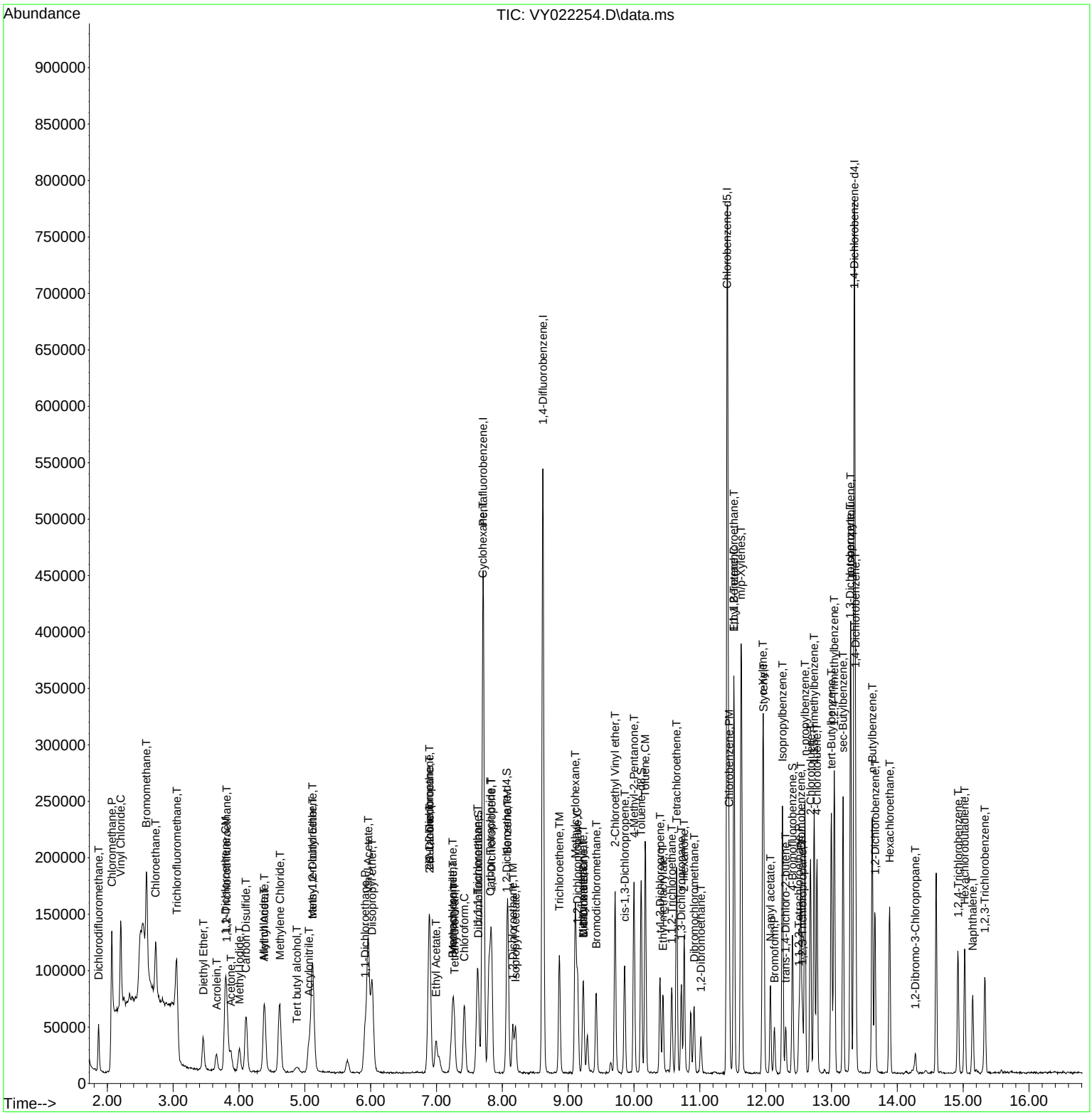

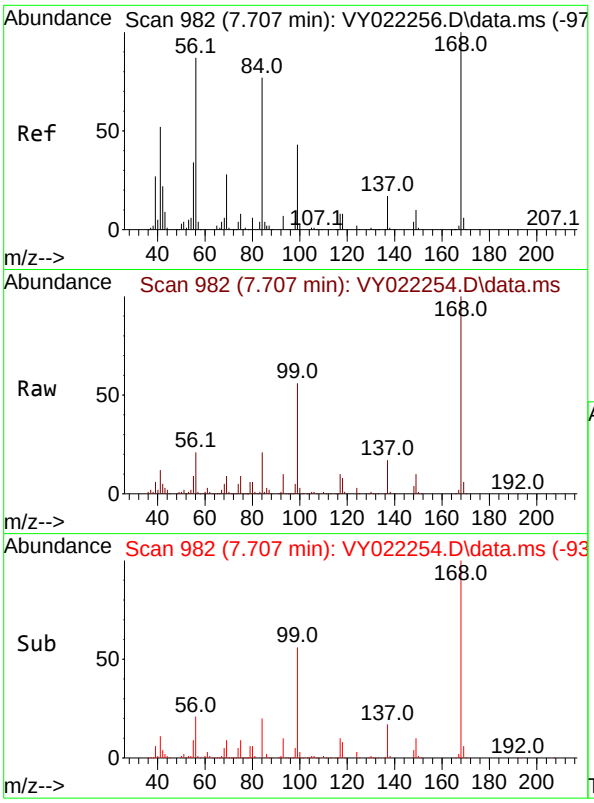

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:168 Resp: 26503

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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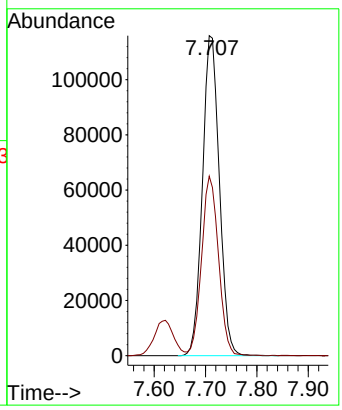
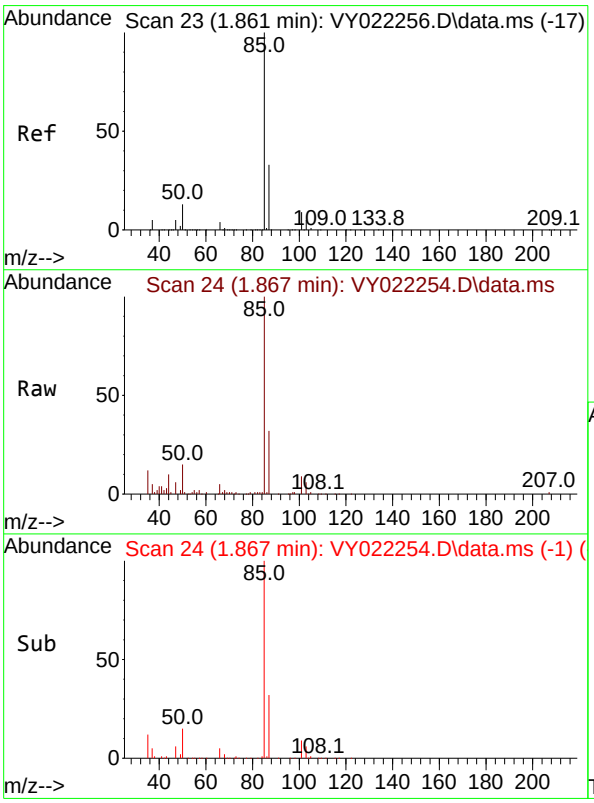
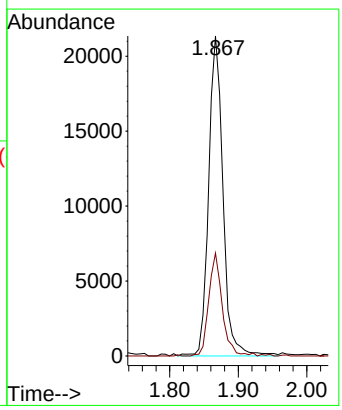


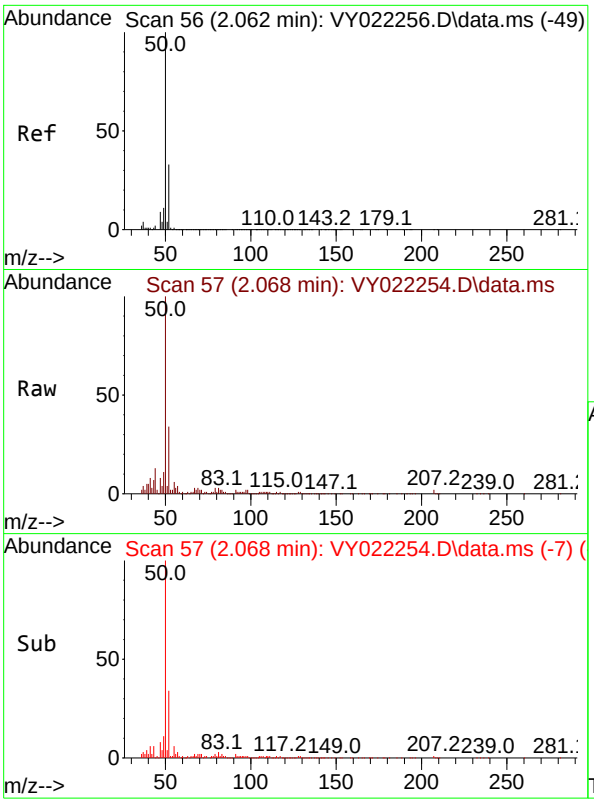


#2
Dichlorodifluoromethane
Concen: 11.245 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 85 Resp: 31097

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.5	49.5

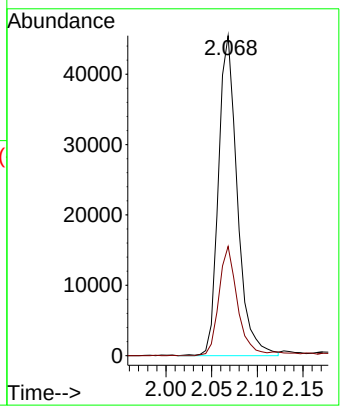




#3
Chloromethane
Concen: 11.275 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 50 Resp: 6558

Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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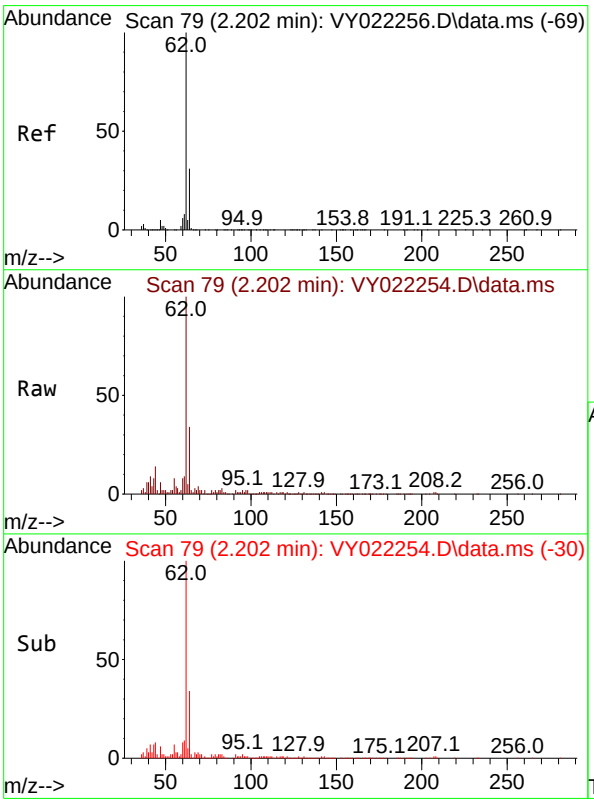
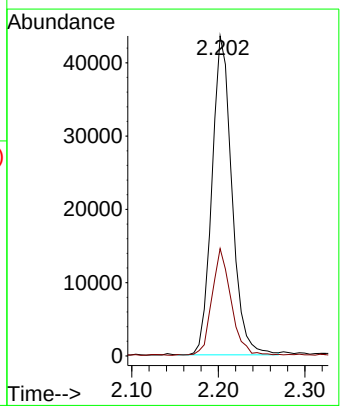
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

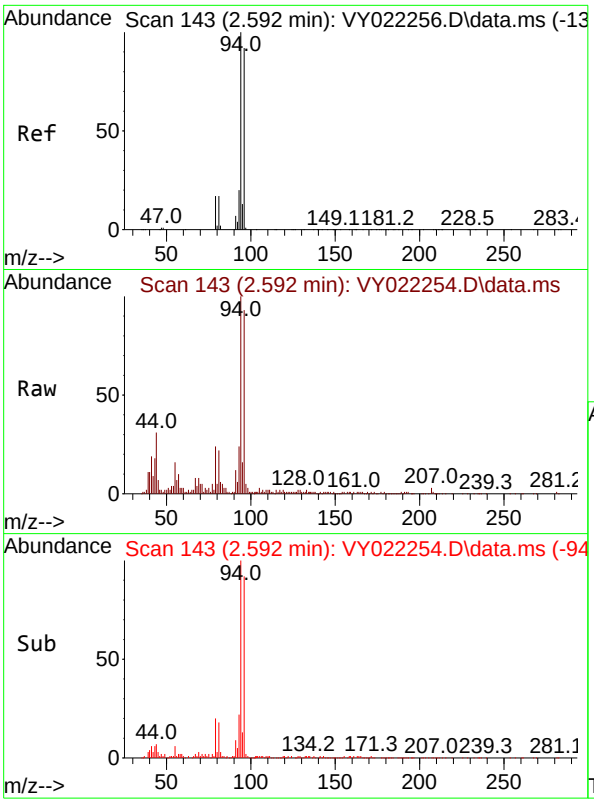


#4
Vinyl Chloride
Concen: 10.739 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 69800

Ion	Ratio	Lower	Upper
62	100		
64	33.2	24.5	36.7

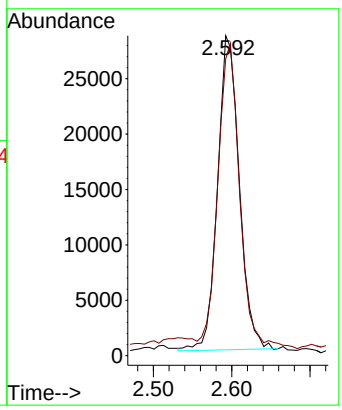




#5
Bromomethane
Concen: 10.352 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 94 Resp: 5477

Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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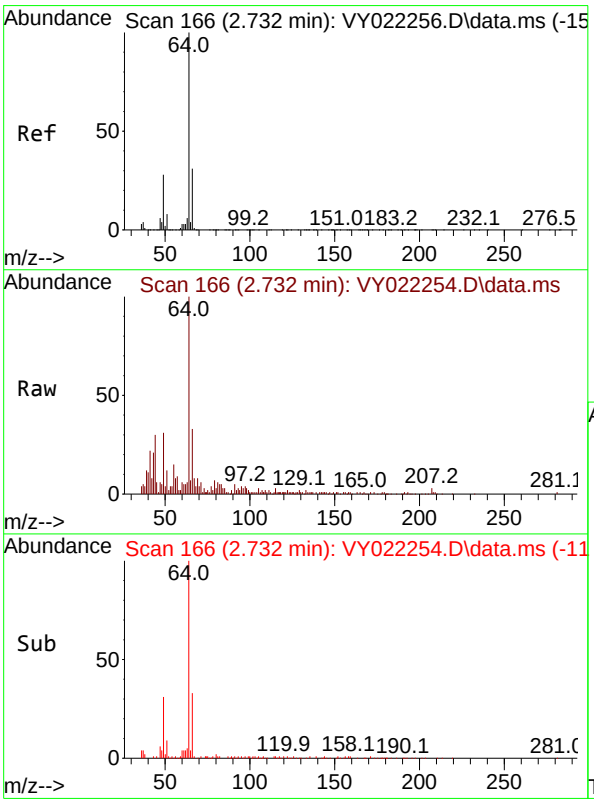
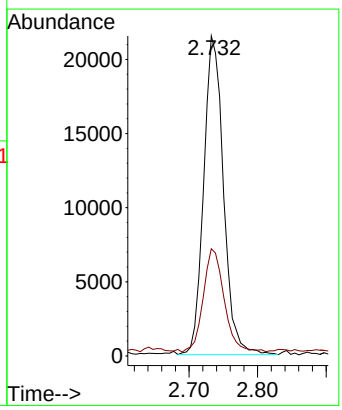
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

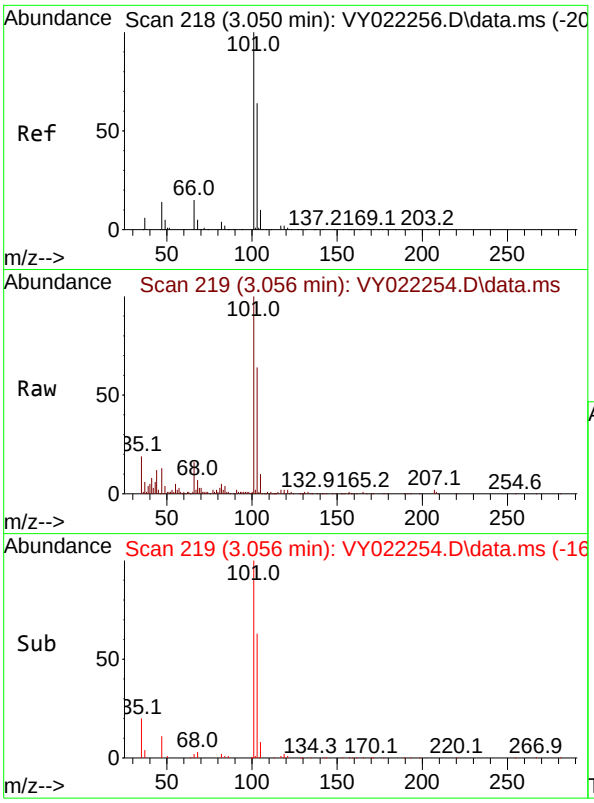


#6
Chloroethane
Concen: 10.665 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 64 Resp: 43122

Ion	Ratio	Lower	Upper
64	100		
66	31.6	24.8	37.2

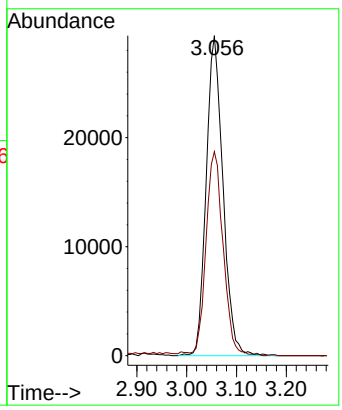




#7
Trichlorofluoromethane
Concen: 10.410 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:101 Resp: 6850

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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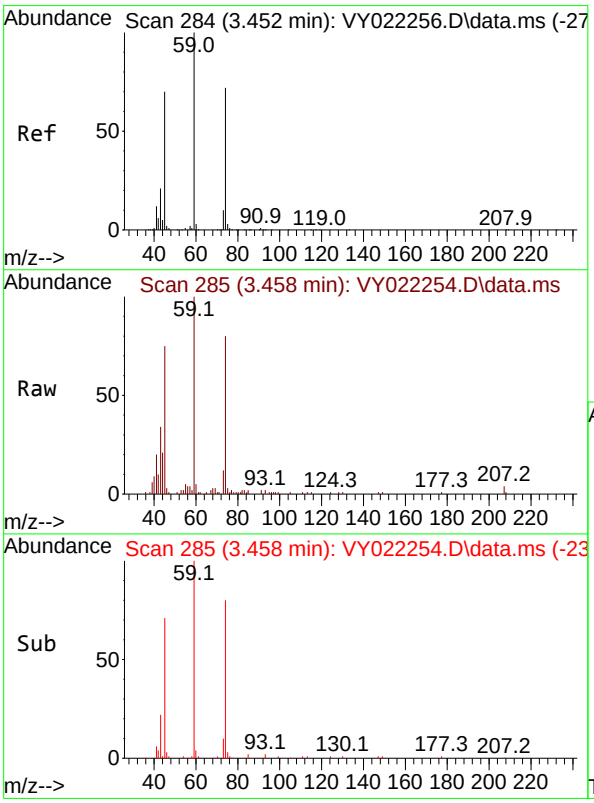
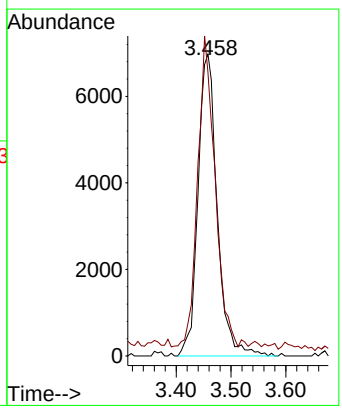
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

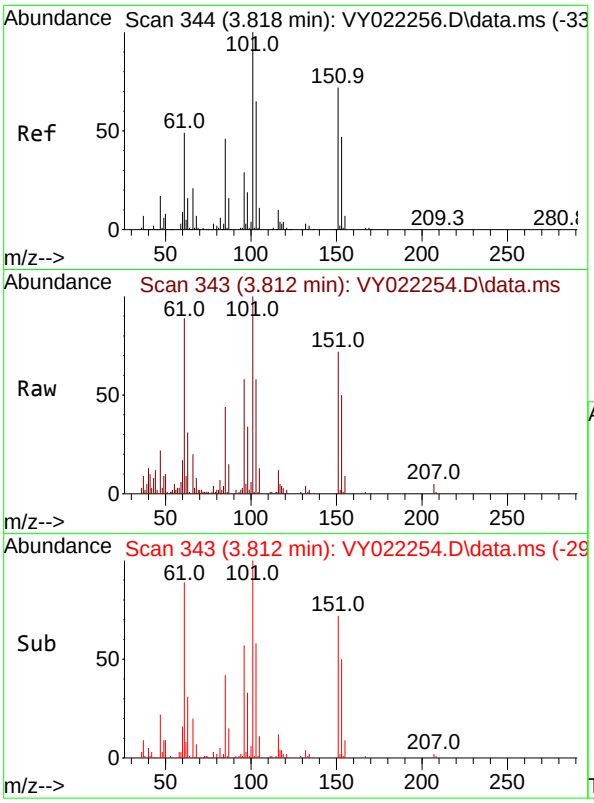


#8
Diethyl Ether
Concen: 10.730 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 74 Resp: 16945

Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.708 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

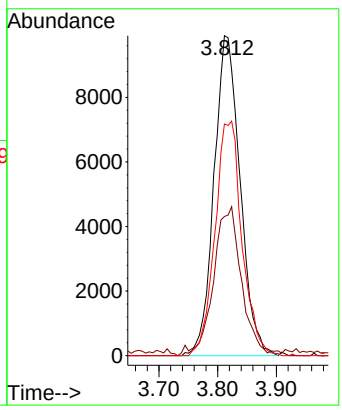
Tgt Ion:101 Resp: 3059

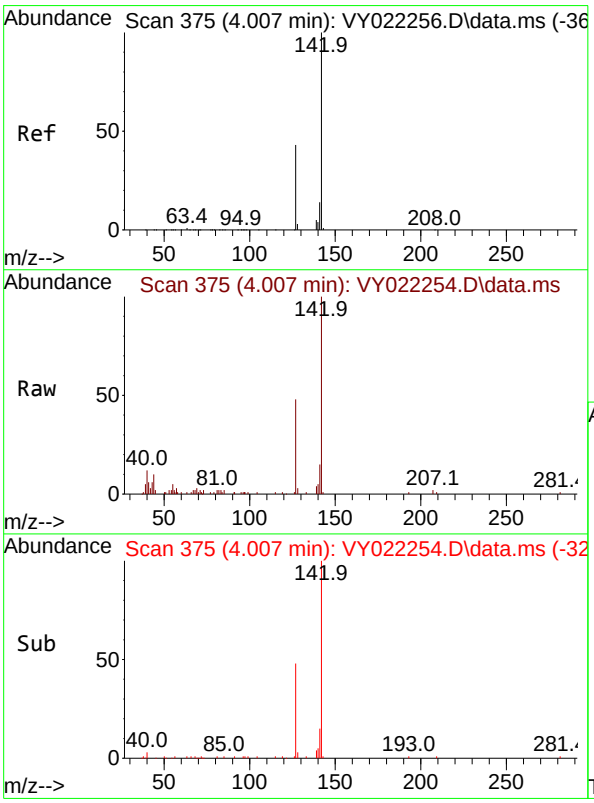
Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.6	58.0
151	75.6	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

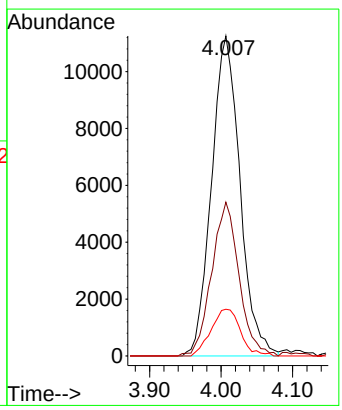


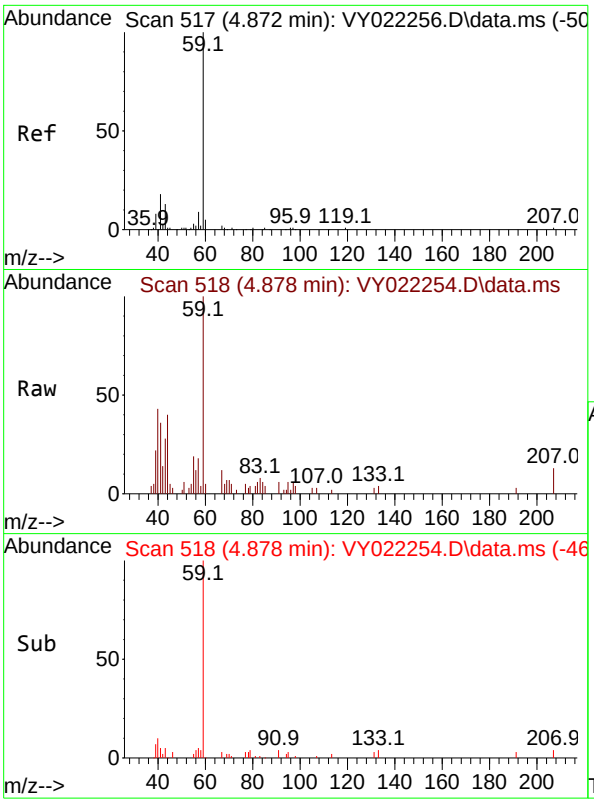


#10
Methyl Iodide
Concen: 9.402 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:142 Resp: 31088

Ion	Ratio	Lower	Upper
142	100		
127	46.2	35.7	53.5
141	15.1	11.1	16.7





#11
Tert butyl alcohol
Concen: 54.446 ug/l
RT: 4.878 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 59 Resp: 1204

Ion	Ratio	Lower	Upper
59	100		
57	5.7	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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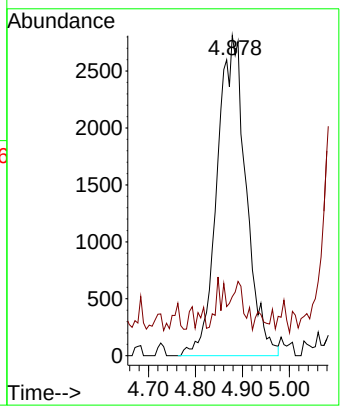
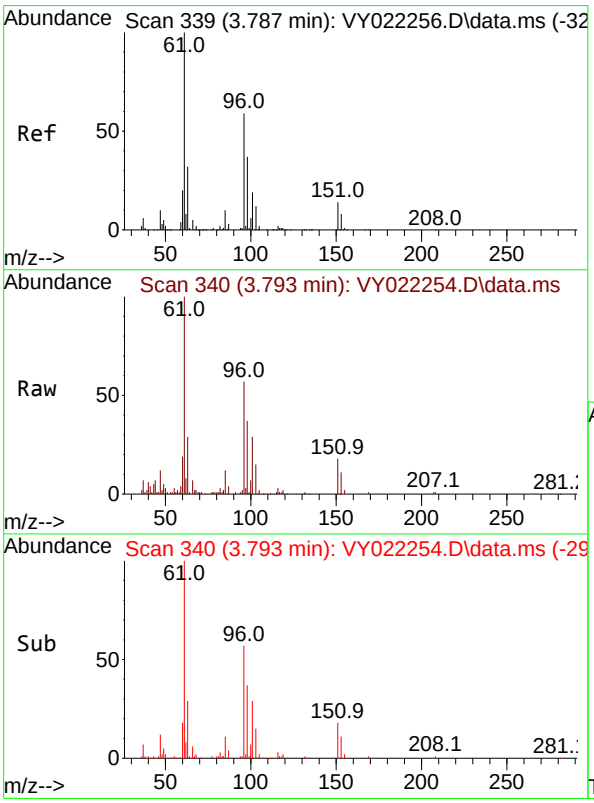
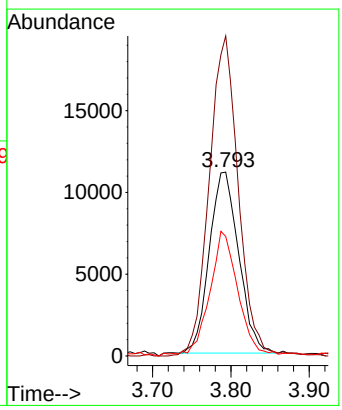


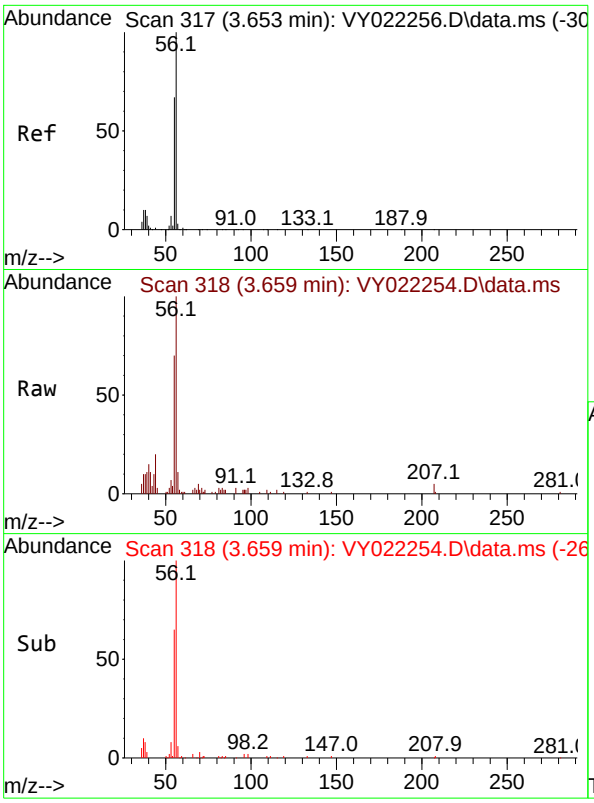


#12
1,1-Dichloroethene
Concen: 10.170 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 28831

Ion	Ratio	Lower	Upper
96	100		
61	176.2	134.9	202.3
98	65.1	49.9	74.9

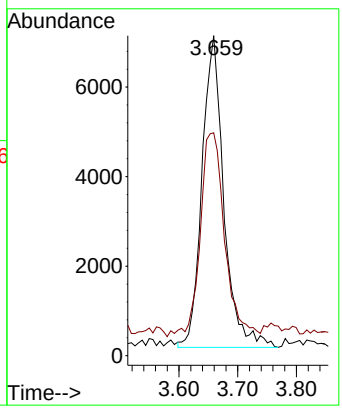




#13
Acrolein
Concen: 55.439 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 56 Resp: 1792

Ion	Ratio	Lower	Upper
56	100		
55	73.0	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

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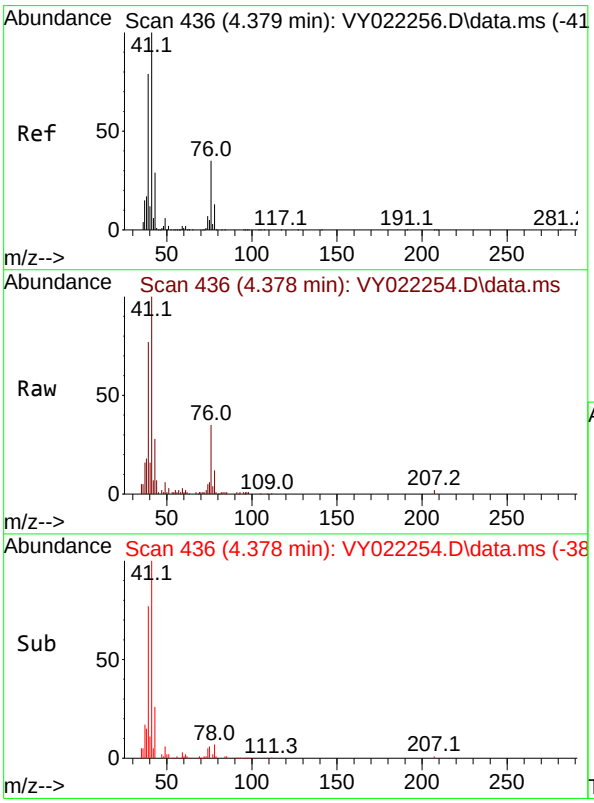
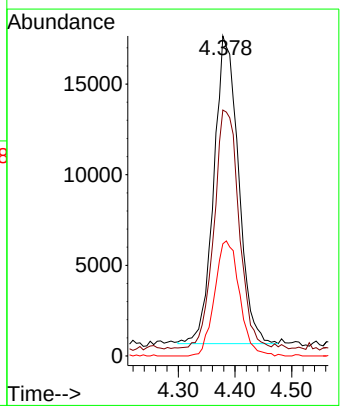
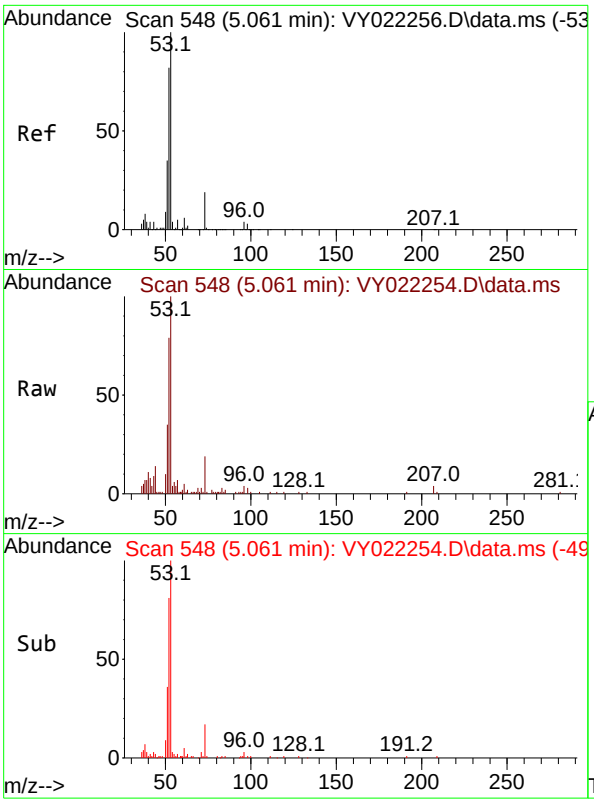


#14
Allyl chloride
Concen: 10.315 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 51275

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	37.8	29.5	44.3

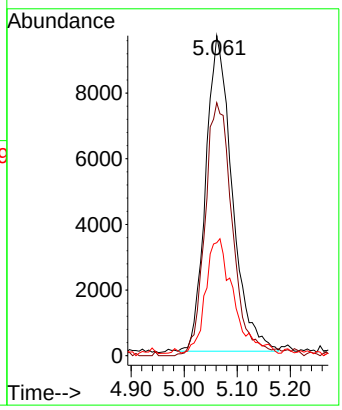




#15
Acrylonitrile
Concen: 51.139 ug/l
RT: 5.061 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 53 Resp: 3327

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	38.2	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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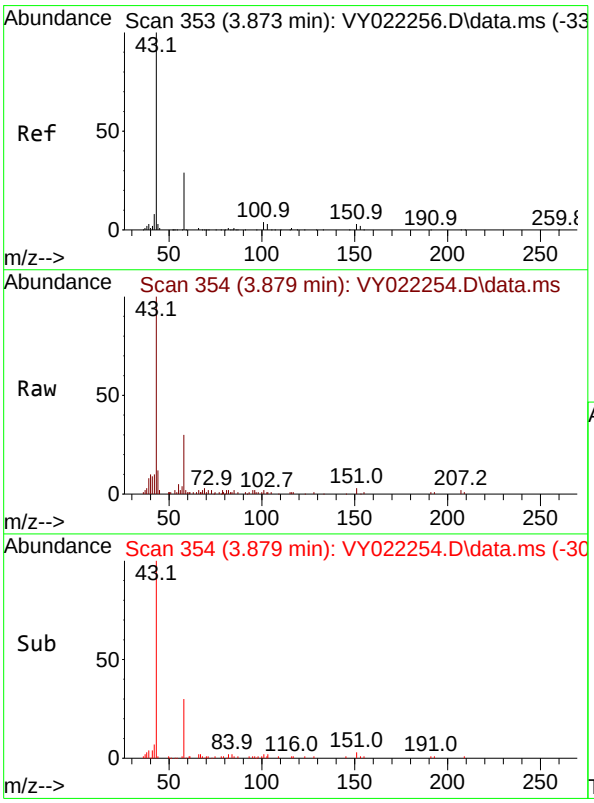
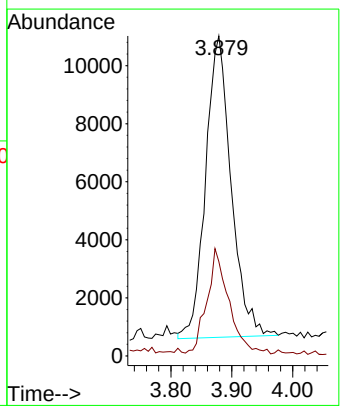
Supervised By :Semsettin Yesilyurt 05/16/2025

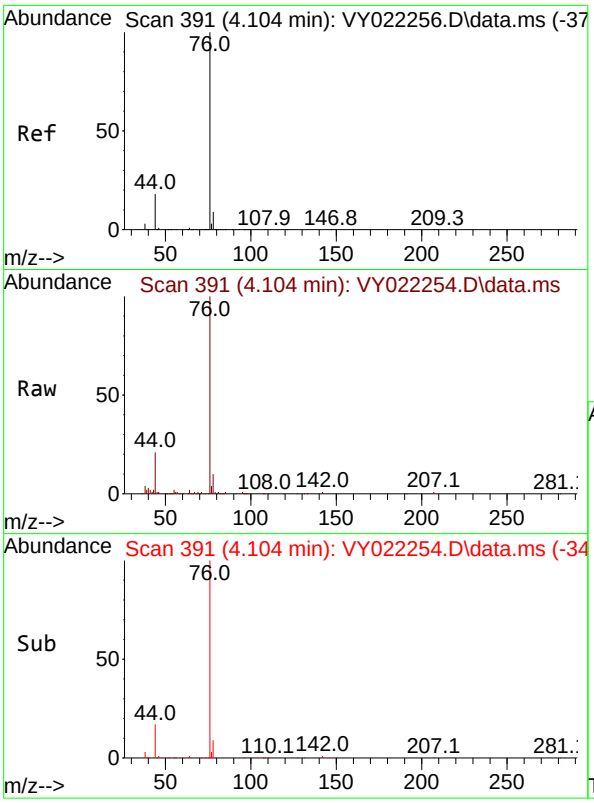


#16
Acetone
Concen: 55.657 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 30229

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





#17
Carbon Disulfide
Concen: 10.448 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 76 Resp: 9659

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
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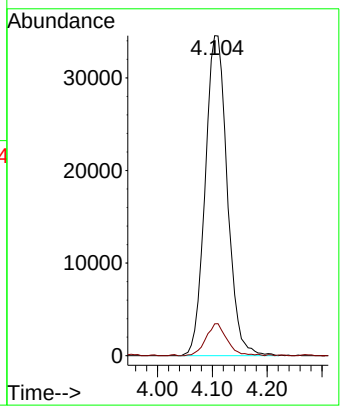
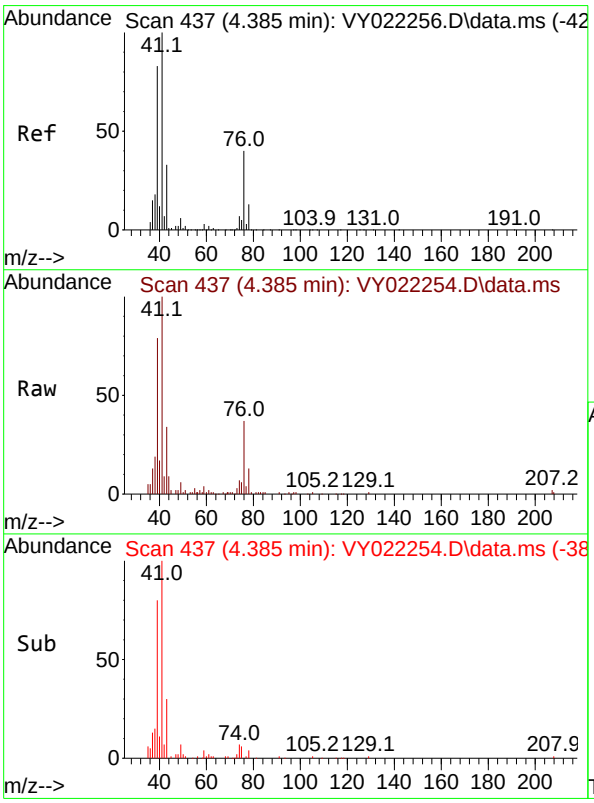
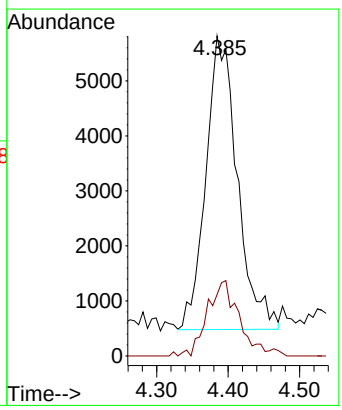


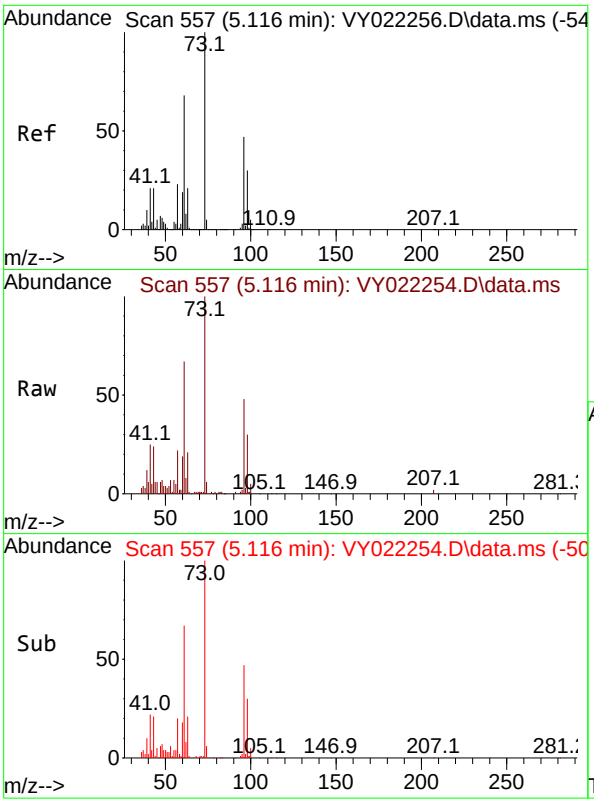


#18
Methyl Acetate
Concen: 9.886 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 16338

Ion	Ratio	Lower	Upper
43	100		
74	25.6	18.2	27.4





#19
Methyl tert-butyl Ether
Concen: 10.326 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 73 Resp: 8071

Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.6	28.0

Instrument :
MSVOA_Y
ClientSampleId :
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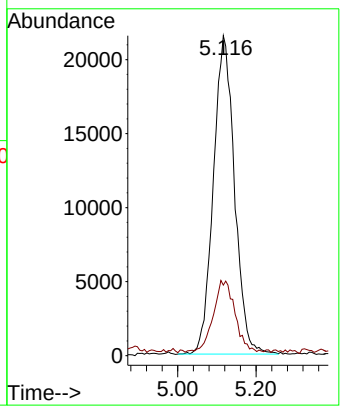
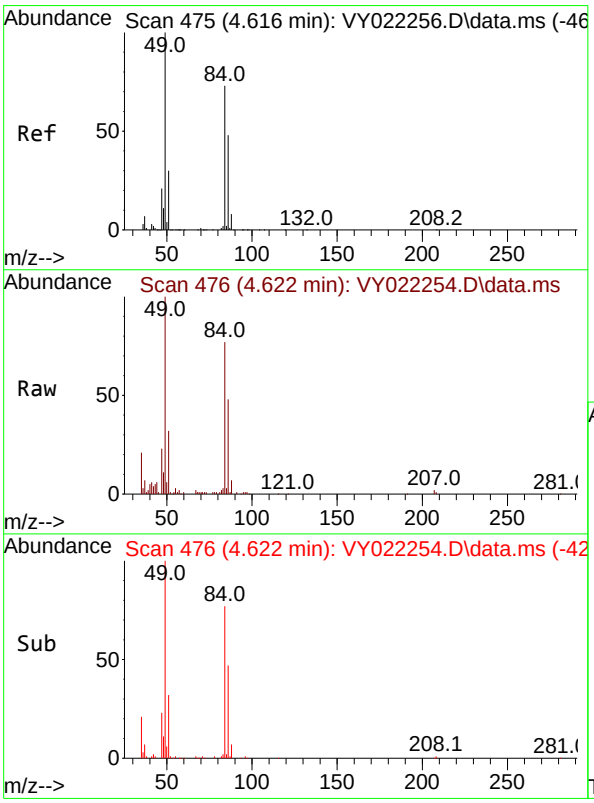
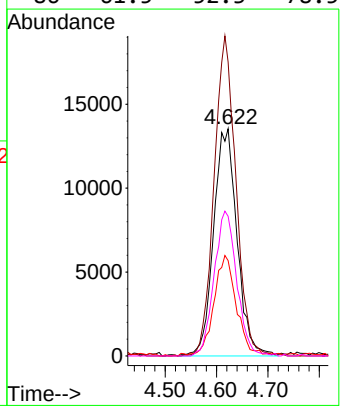


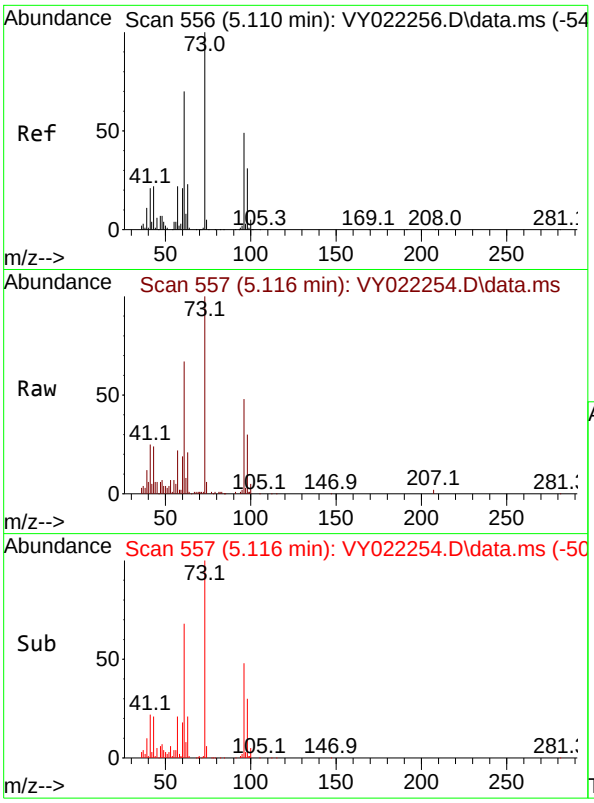


#20
Methylene Chloride
Concen: 12.250 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 84 Resp: 42991

Ion	Ratio	Lower	Upper
84	100		
49	129.4	109.6	164.4
51	42.0	32.4	48.6
86	61.5	52.3	78.5

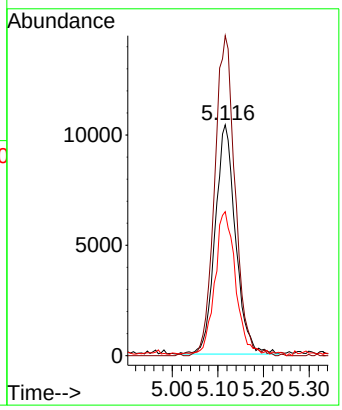




#21
trans-1,2-Dichloroethene
Concen: 10.309 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 3225

Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.4	170.0
98	62.0	50.9	76.3



Instrument :
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ClientSampleId :
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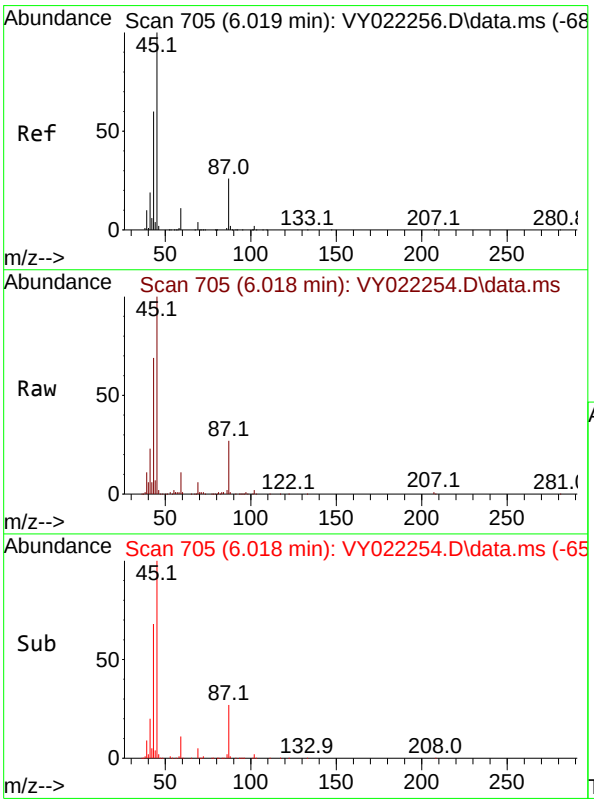
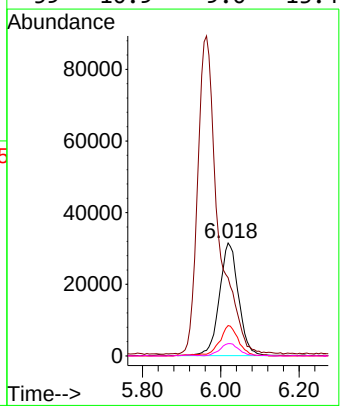
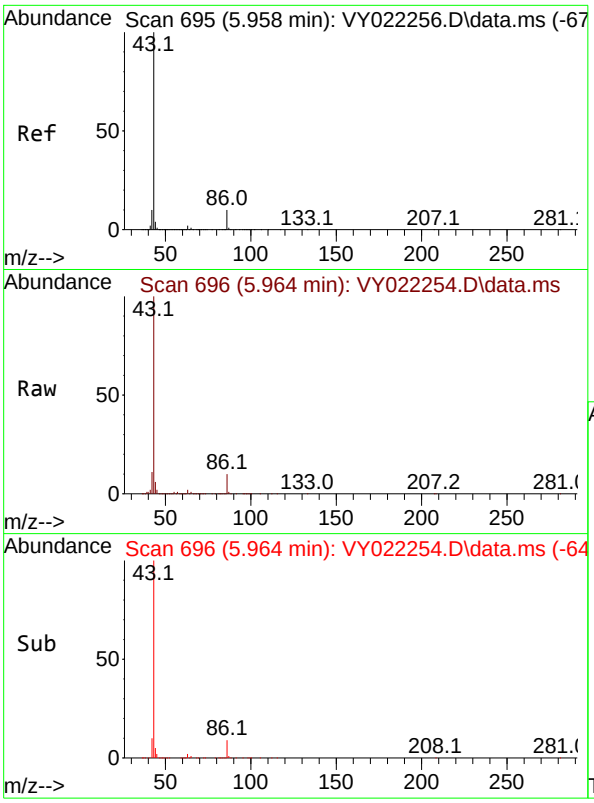


#22
Diisopropyl ether
Concen: 10.145 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 45 Resp: 106493

Ion	Ratio	Lower	Upper
45	100		
43	67.7	48.2	72.2
87	26.8	21.4	32.0
59	10.9	9.0	13.4

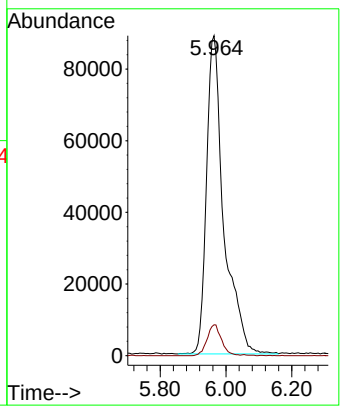




#23
Vinyl Acetate
Concen: 51.192 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 32465

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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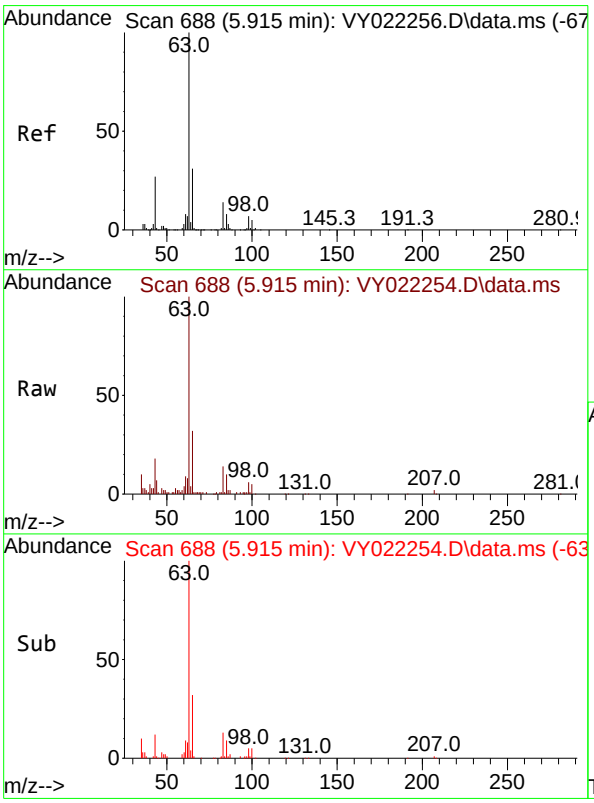
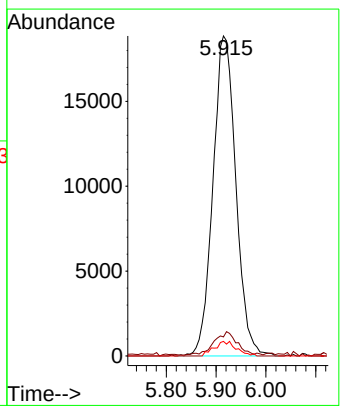
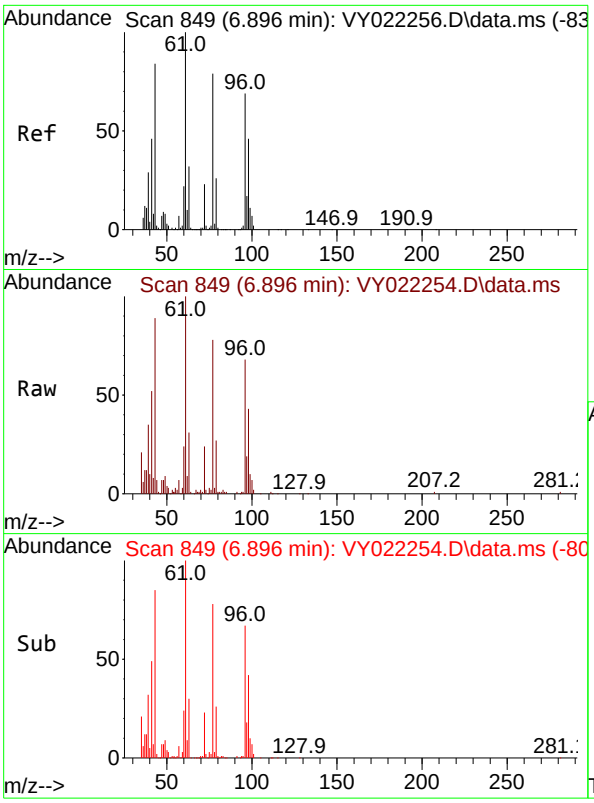


#24
1,1-Dichloroethane
Concen: 10.265 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 60198

Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.5	10.5
100	4.6	2.4	7.2





#25
2-Butanone
Concen: 52.859 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 4802

Ion	Ratio	Lower	Upper
43	100		
72	26.7	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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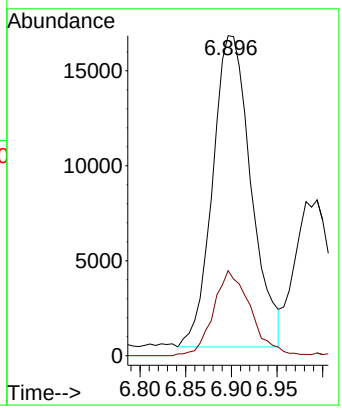
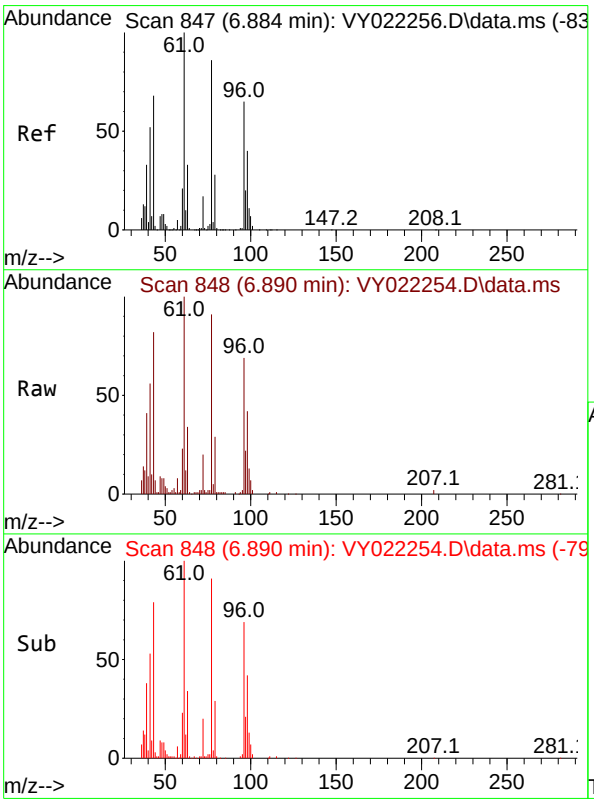
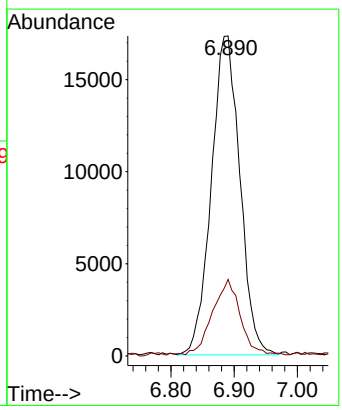


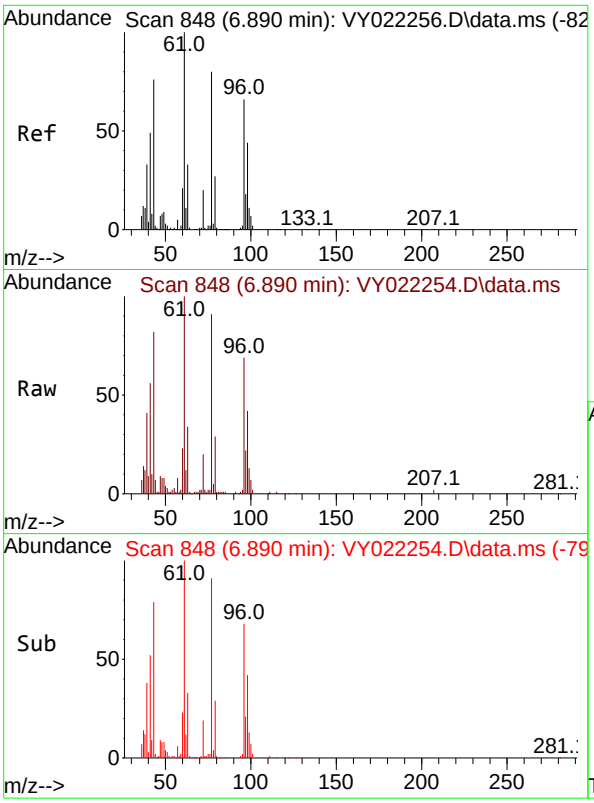


#26
2,2-Dichloropropane
Concen: 10.403 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 77 Resp: 54264

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 10.081 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 96 Resp: 3640

Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	302.6
98	67.2	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
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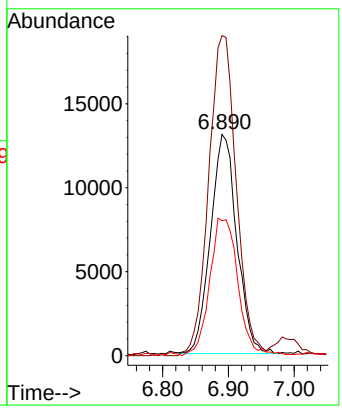
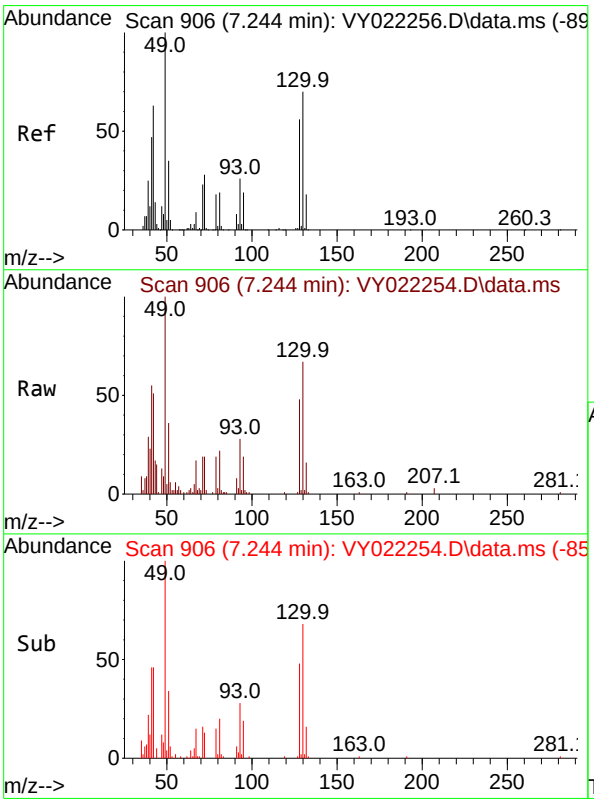
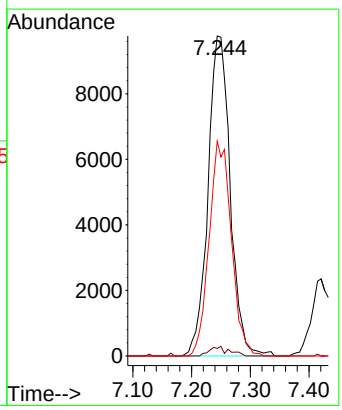


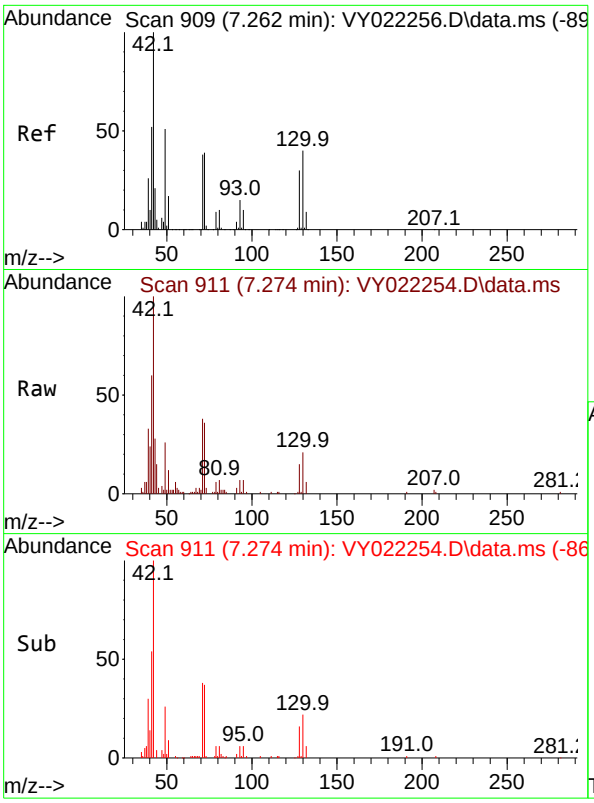


#28
Bromochloromethane
Concen: 10.259 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 49 Resp: 25664

Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.6
130	67.2	54.7	82.1

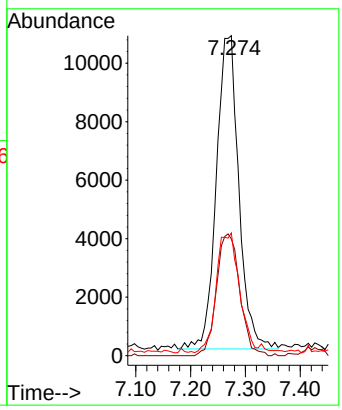




#29
Tetrahydrofuran
Concen: 52.498 ug/l
RT: 7.274 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 42 Resp: 3068

Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.8	50.6
71	39.0	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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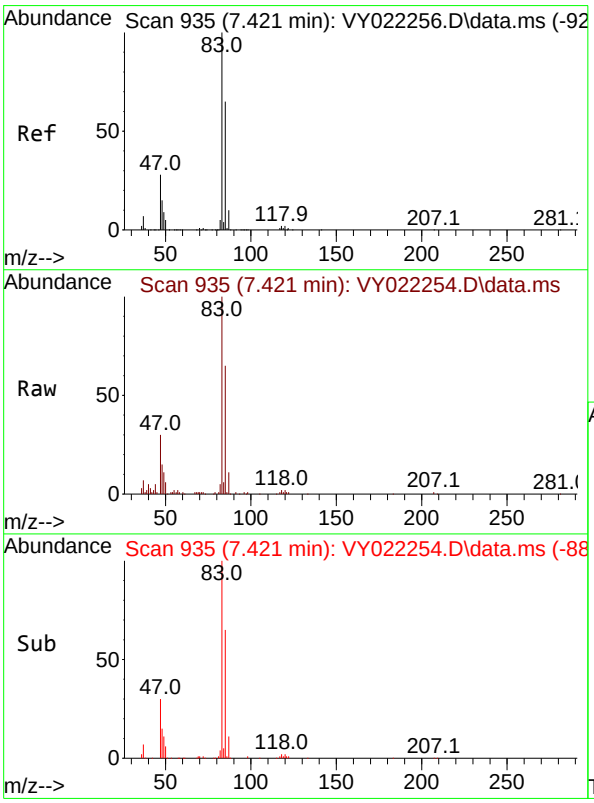
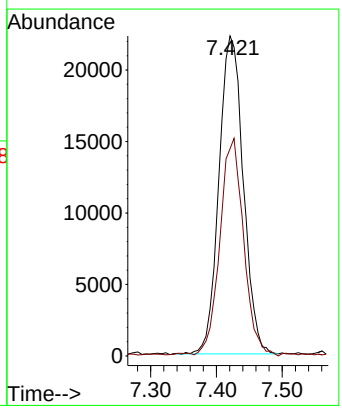
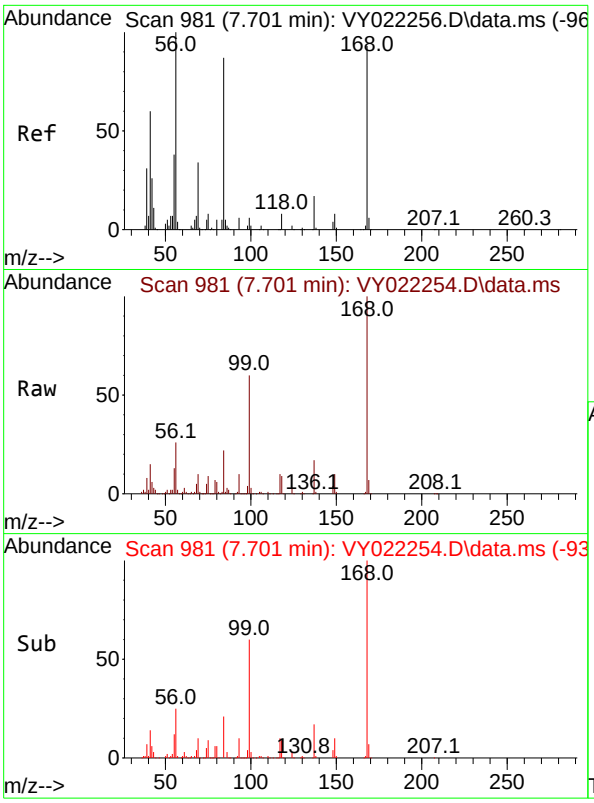


#30
Chloroform
Concen: 10.163 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 57172

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





#31
Cyclohexane
Concen: 10.778 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 56 Resp: 6315

Ion	Ratio	Lower	Upper
56	100		
69	39.9	27.4	41.2
84	84.7	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
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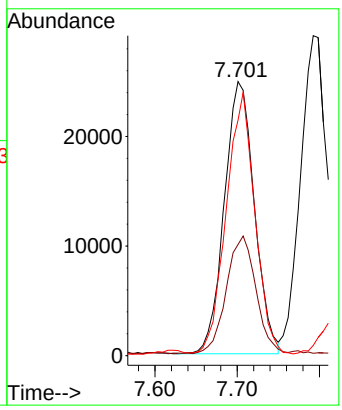
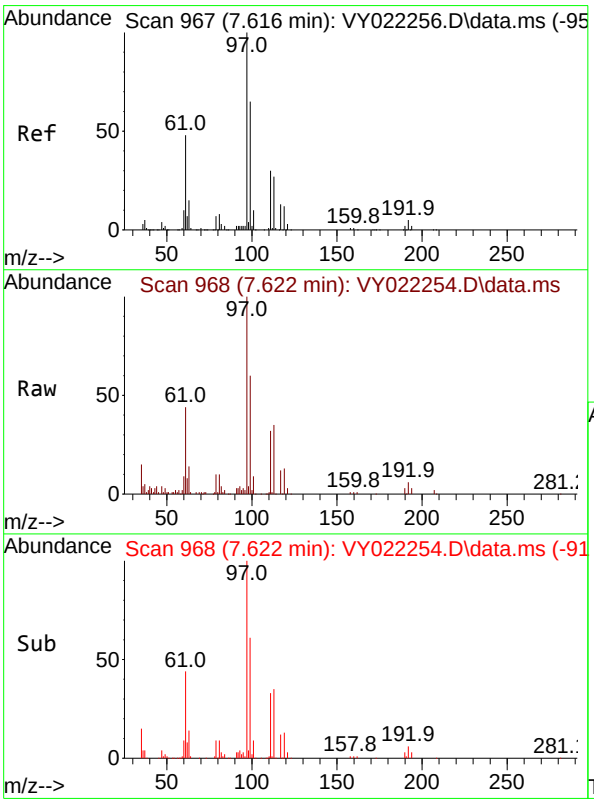
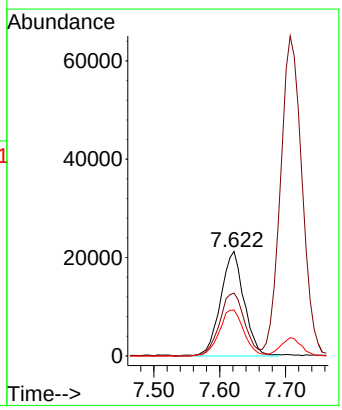


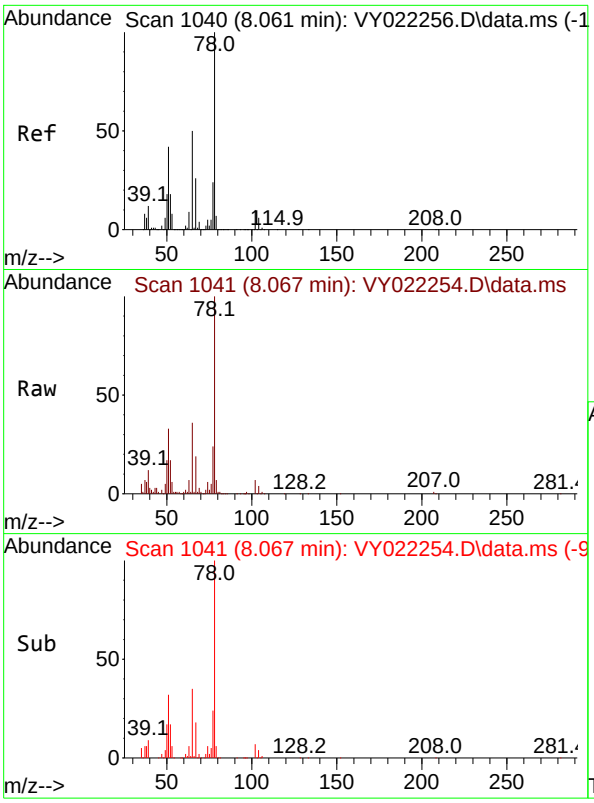


#32
1,1,1-Trichloroethane
Concen: 10.242 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 97 Resp: 52856

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	46.0	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 10.222 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 65 Resp: 2960

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.6

Instrument :
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ClientSampleId :
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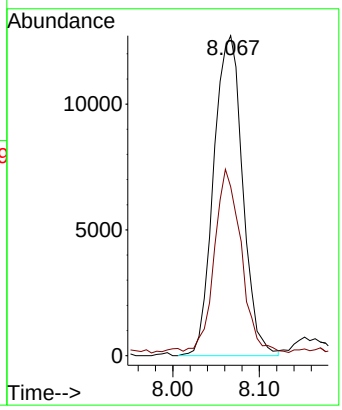
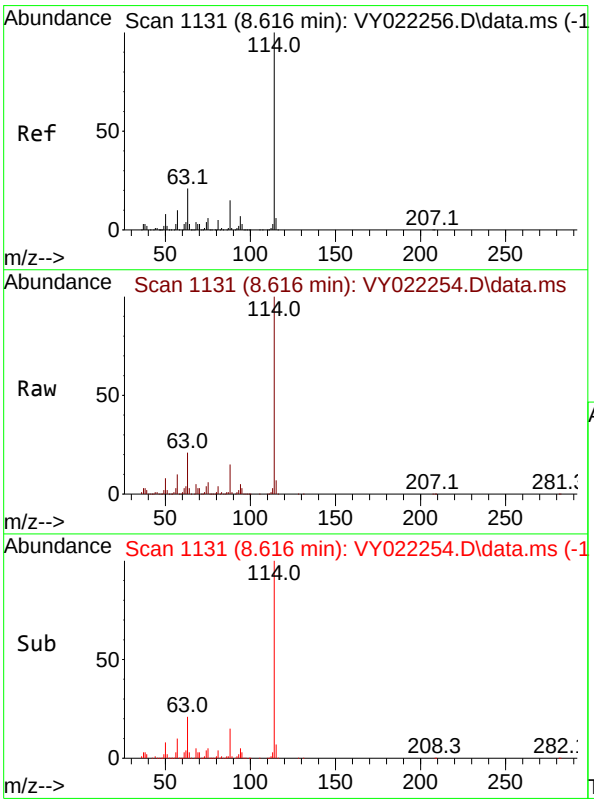
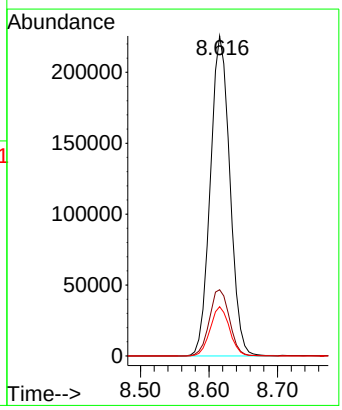


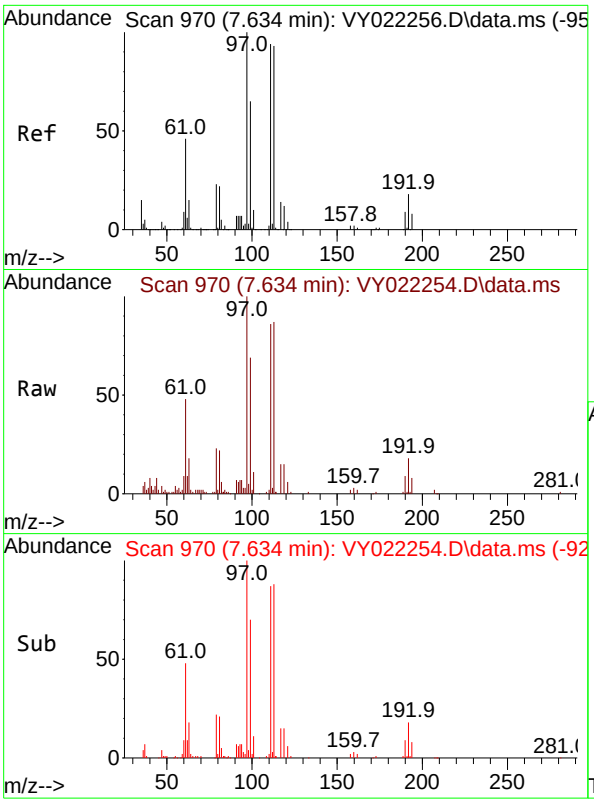


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:114 Resp: 446109

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.0
88	15.4	0.0	29.4

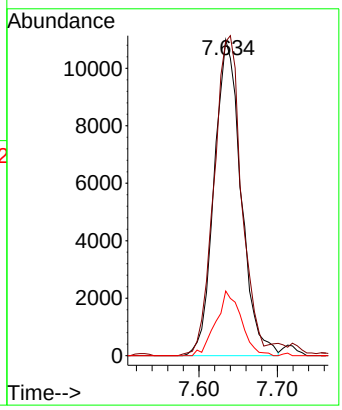




#35
Dibromofluoromethane
Concen: 9.856 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:113 Resp: 2624

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	19.3	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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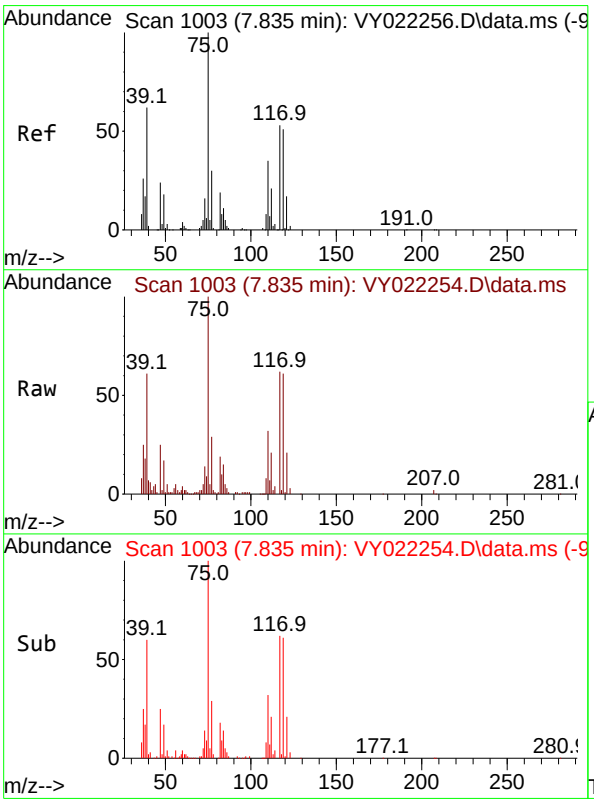
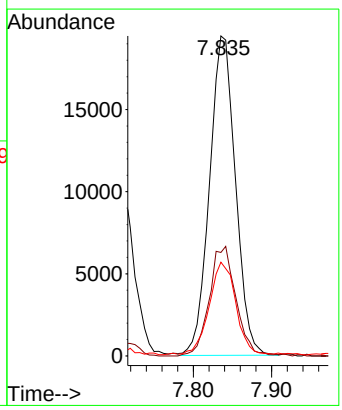
Supervised By :Semsettin Yesilyurt 05/16/2025

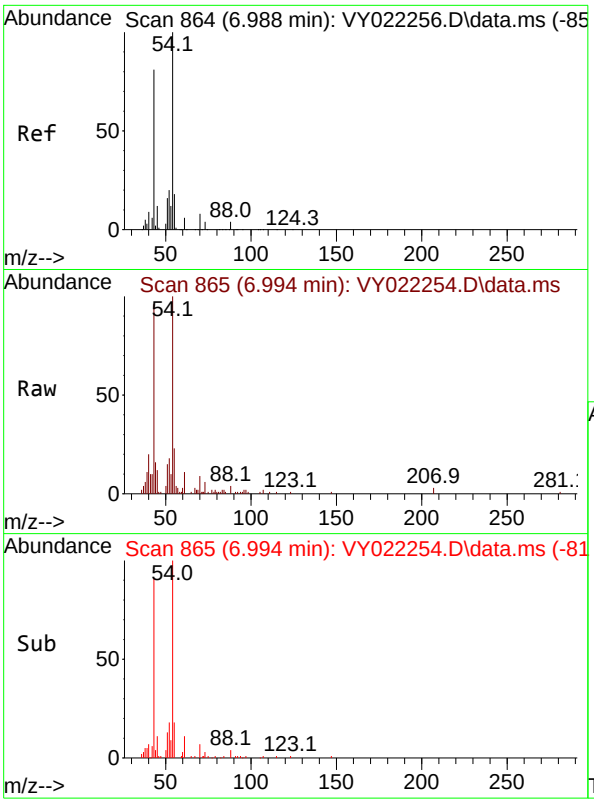


#36
1,1-Dichloropropene
Concen: 10.219 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 44817

Ion	Ratio	Lower	Upper
75	100		
110	35.1	16.6	49.8
77	29.8	24.6	37.0





#37
Ethyl Acetate
Concen: 9.774 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 2062

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	10.6	7.6	11.4

Instrument :
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ClientSampleId :
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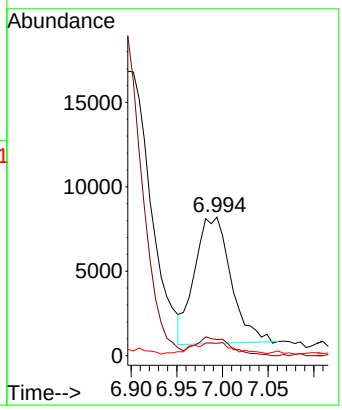
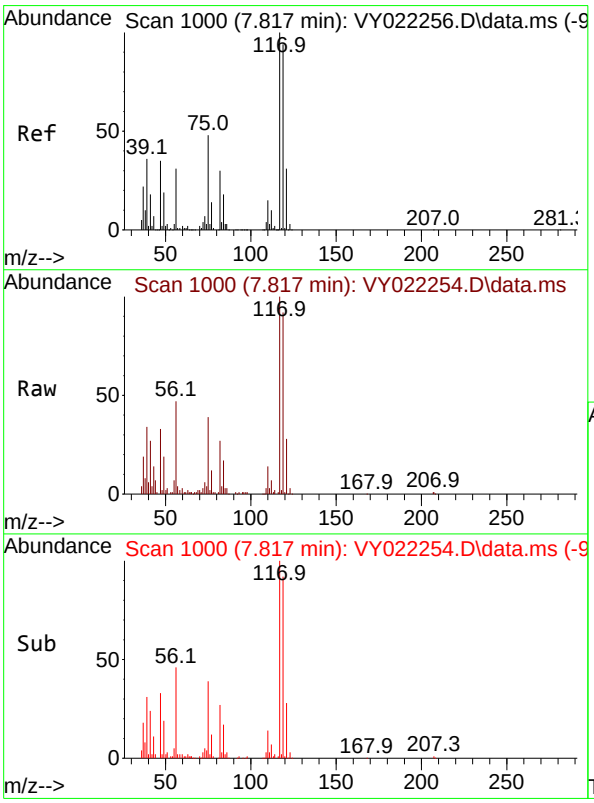
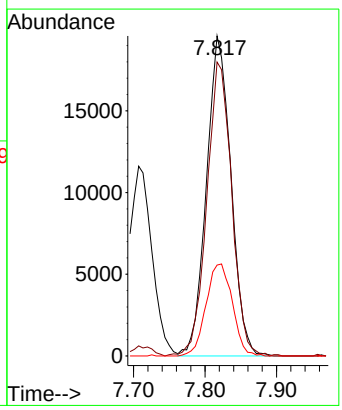


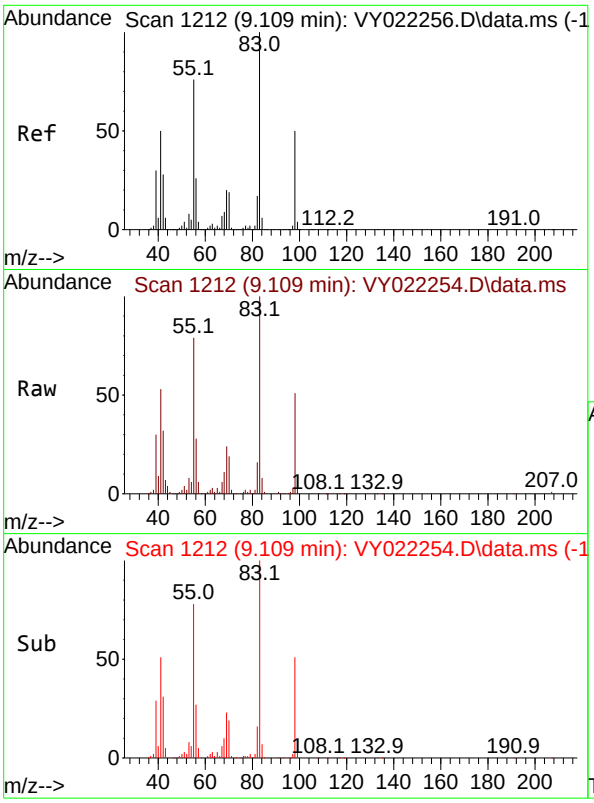


#38
Carbon Tetrachloride
Concen: 10.303 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 46772

Ion	Ratio	Lower	Upper
117	100		
119	91.4	75.3	112.9
121	28.4	24.7	37.1





#39
Methylcyclohexane
Concen: 10.266 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 6048

Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.6	90.8
98	51.1	40.0	60.0

Instrument :
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ClientSampleId :
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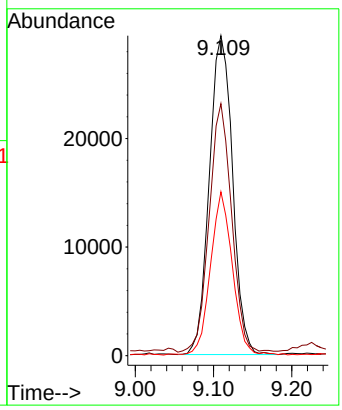
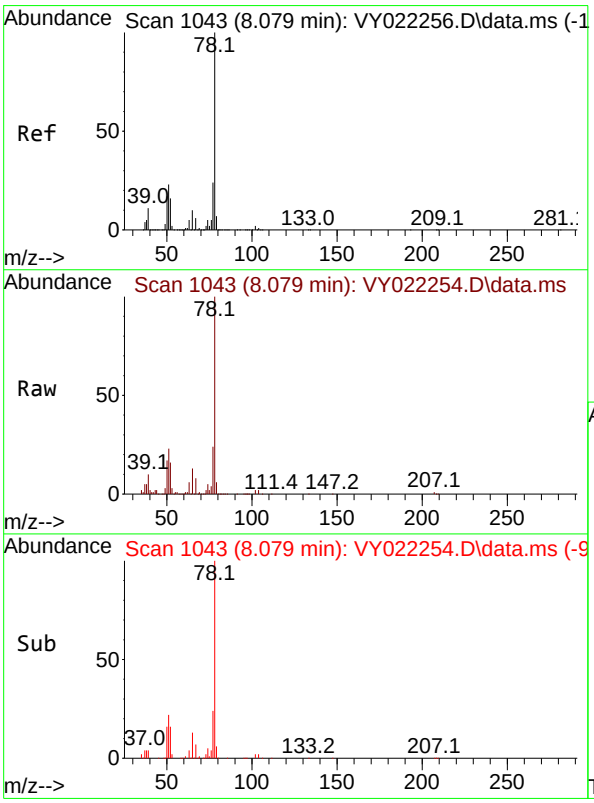
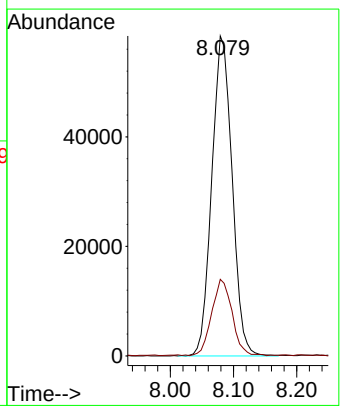


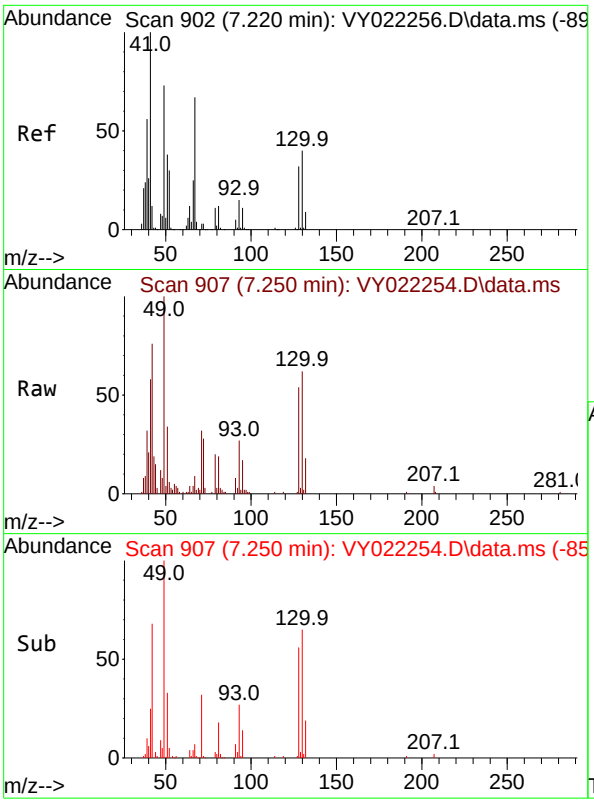


#40
Benzene
Concen: 10.032 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 78 Resp: 130423

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3

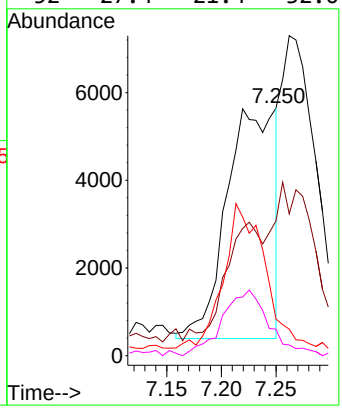




#41
Methacrylonitrile
Concen: 10.510 ug/l m
RT: 7.250 min Scan# 9
Delta R.T. 0.030 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 1622

Ion	Ratio	Lower	Upper
41	100		
39	38.5	39.1	58.7
67	54.4	47.1	70.7
52	27.4	21.4	32.0



Instrument :
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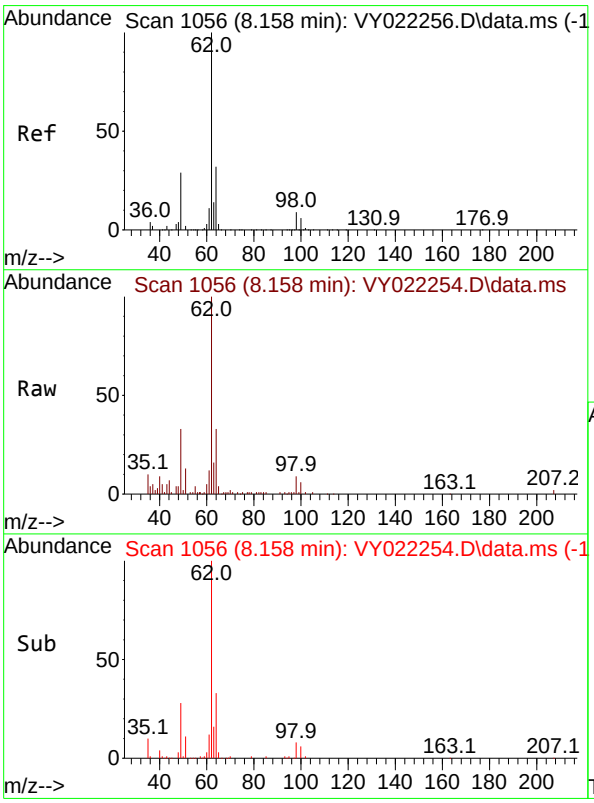
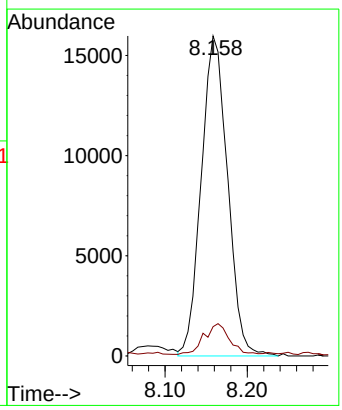
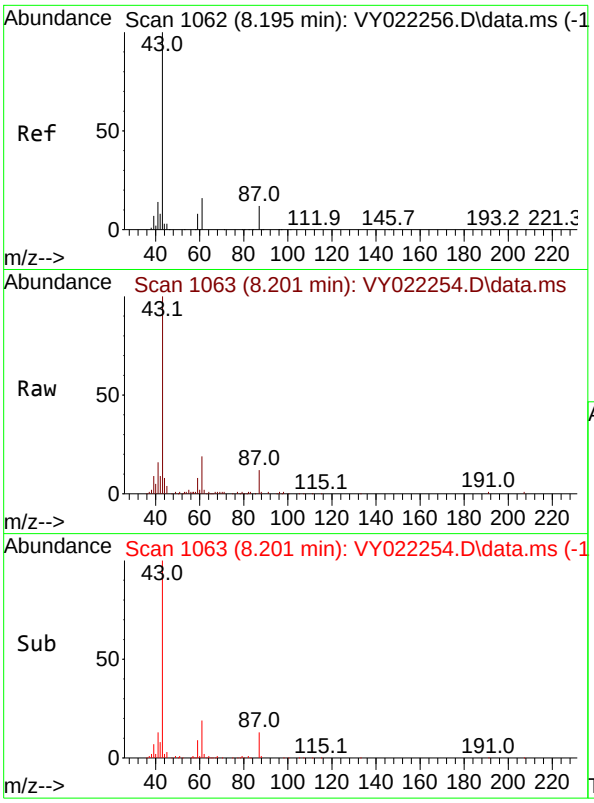


#42
1,2-Dichloroethane
Concen: 10.115 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 62 Resp: 35565

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4

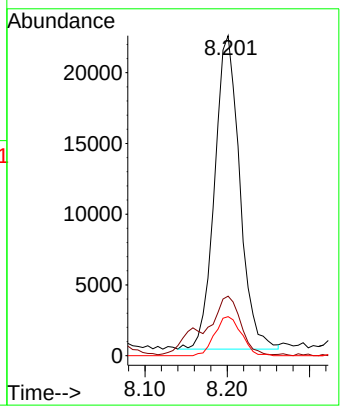




#43
Isopropyl Acetate
Concen: 10.217 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 4702

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	13.1	9.7	14.5



Instrument :
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ClientSampleId :
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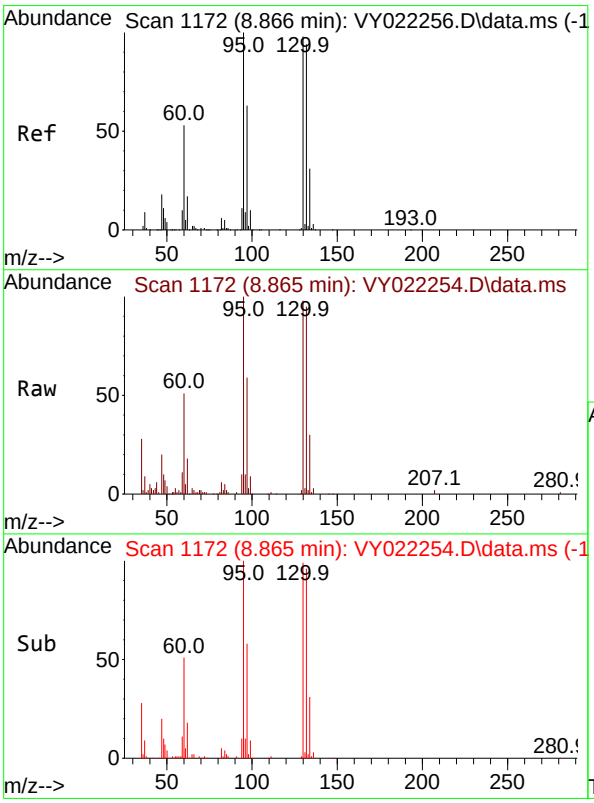
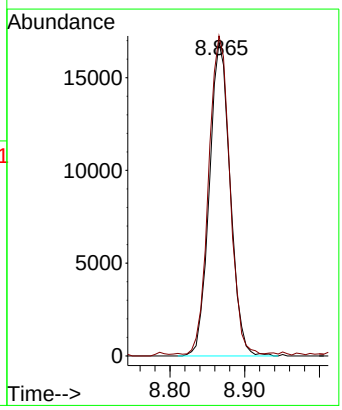
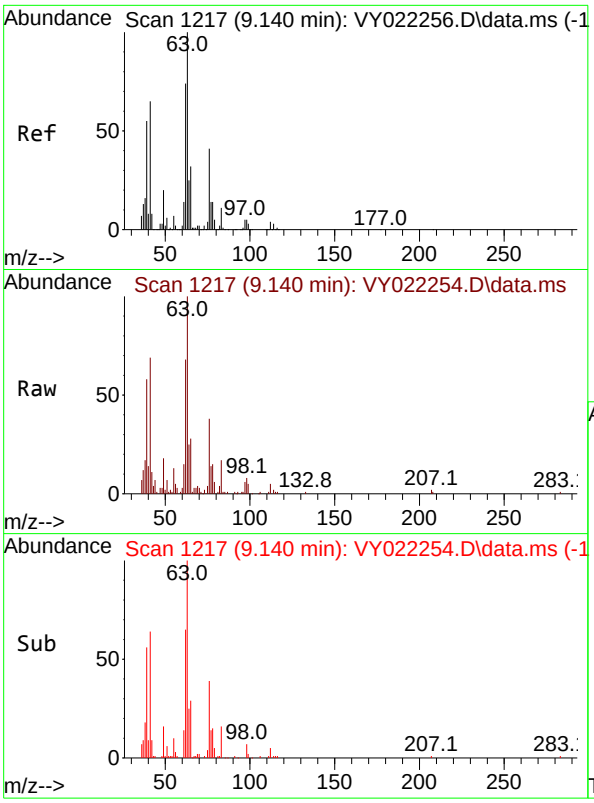


#44
Trichloroethene
Concen: 10.101 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:130 Resp: 32655

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	204.8

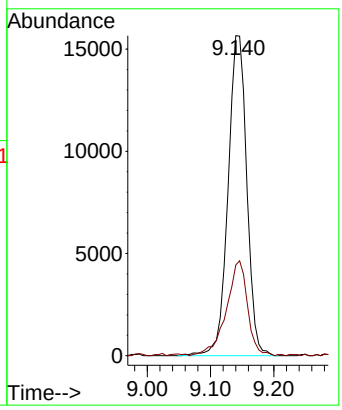




#45
1,2-Dichloropropane
Concen: 10.264 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 3217

Ion	Ratio	Lower	Upper
63	100		
65	28.0	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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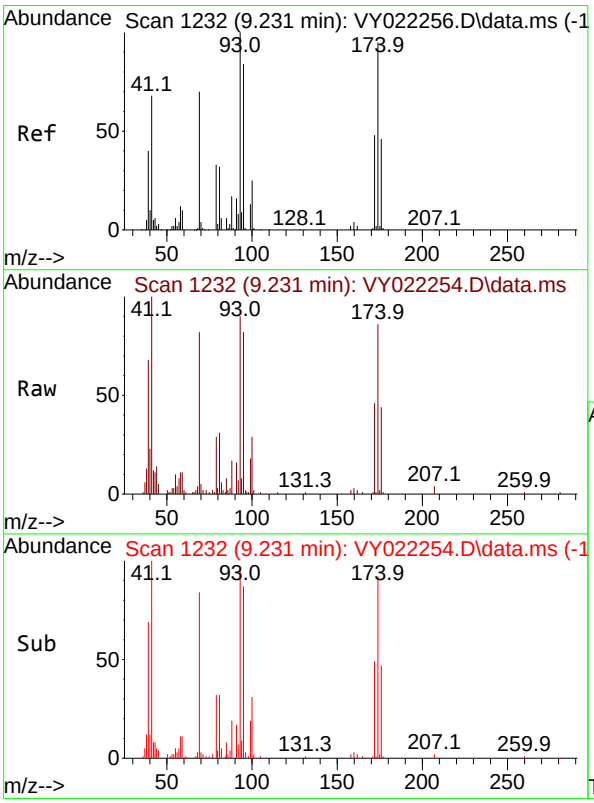
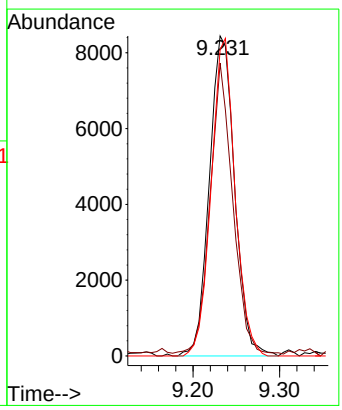
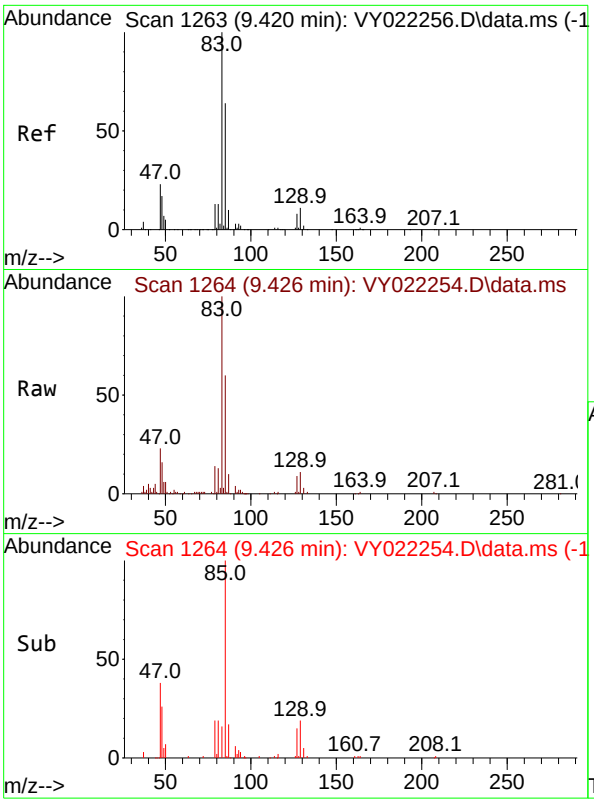


#46
Dibromomethane
Concen: 10.135 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 93 Resp: 17134

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.2	97.8
174	93.7	74.3	111.5

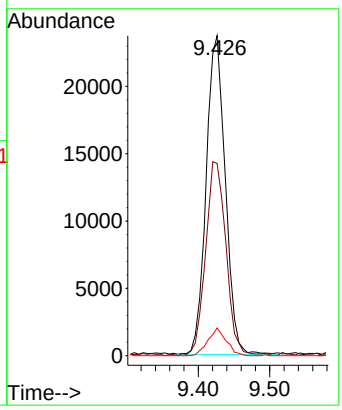




#47
Bromodichloromethane
Concen: 10.042 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 4404

Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.1	76.7
127	8.7	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
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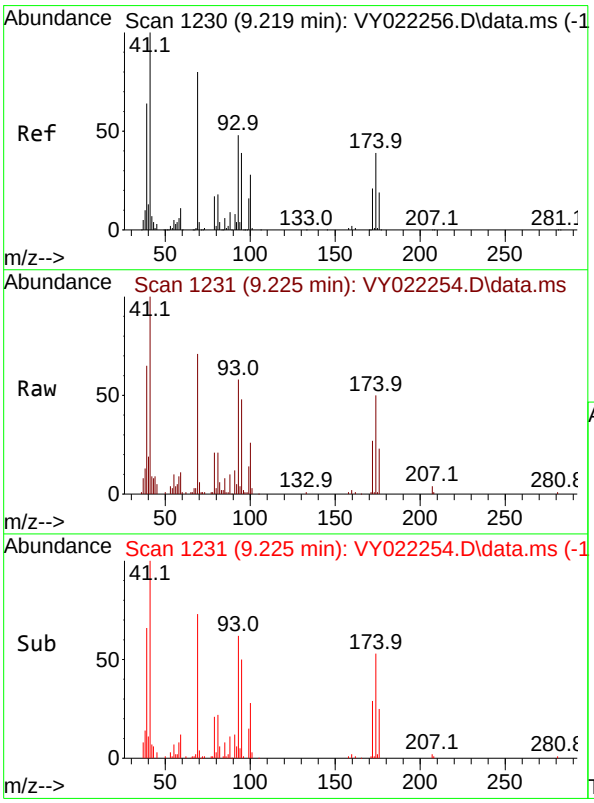
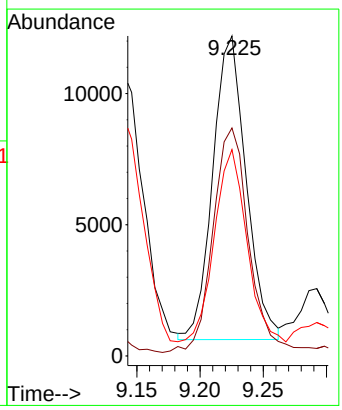
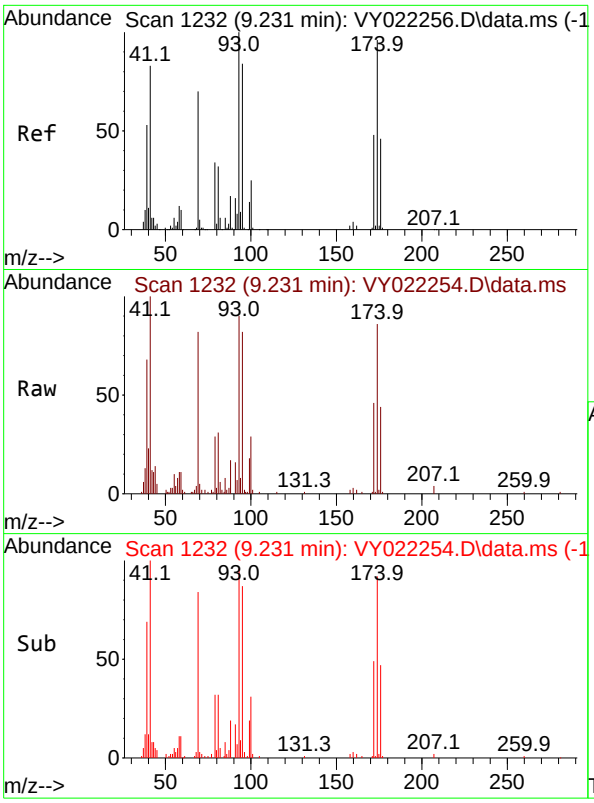


#48
Methyl methacrylate
Concen: 9.851 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 41 Resp: 21202

Ion	Ratio	Lower	Upper
41	100		
69	80.5	63.5	95.3
39	62.0	50.8	76.2

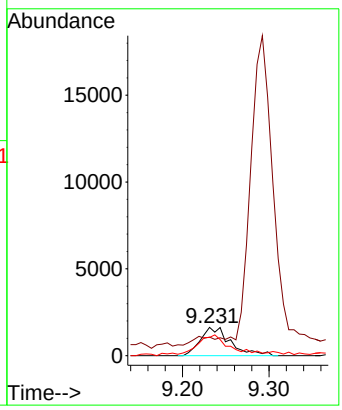




#49
1,4-Dioxane
Concen: 205.769 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 88 Resp: 393

Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.5	42.7#
58	84.5	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
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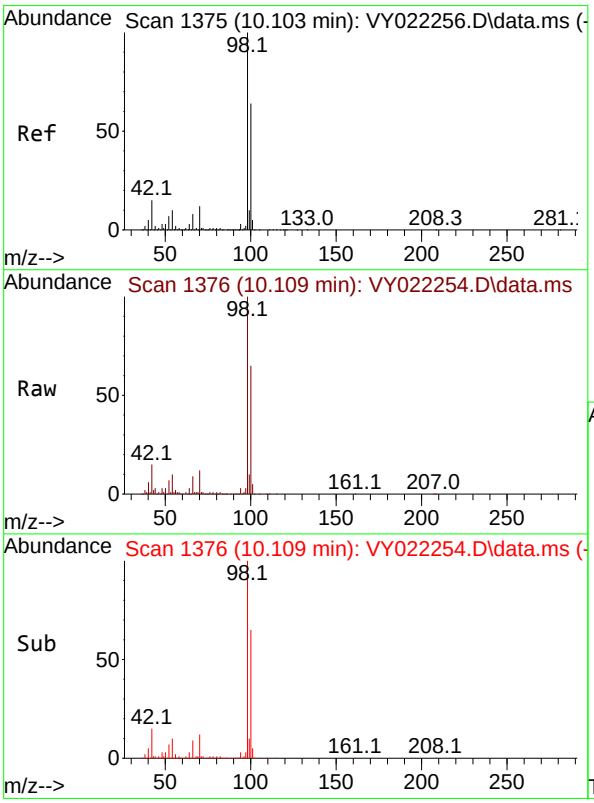
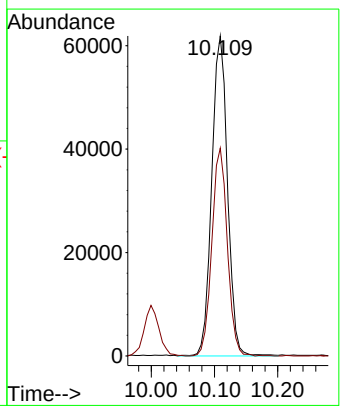
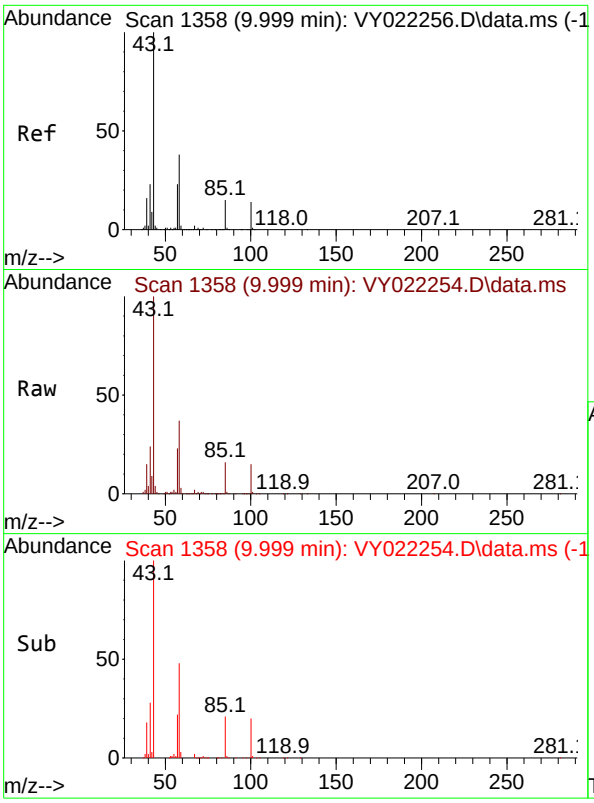


#50
Toluene-d8
Concen: 9.816 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 98 Resp: 107048

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8

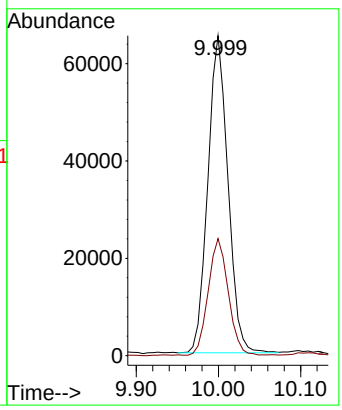




#51
4-Methyl-2-Pentanone
Concen: 48.889 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 11039

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
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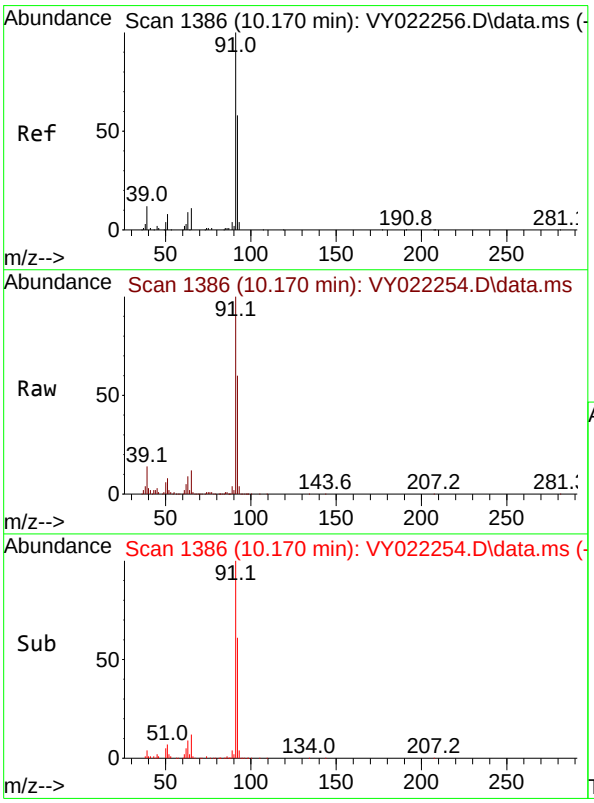
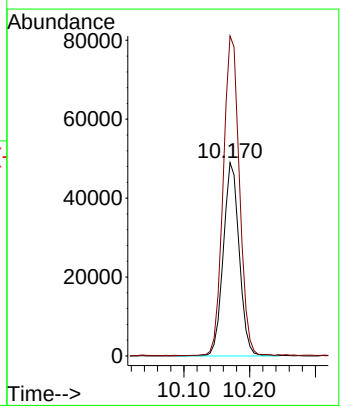
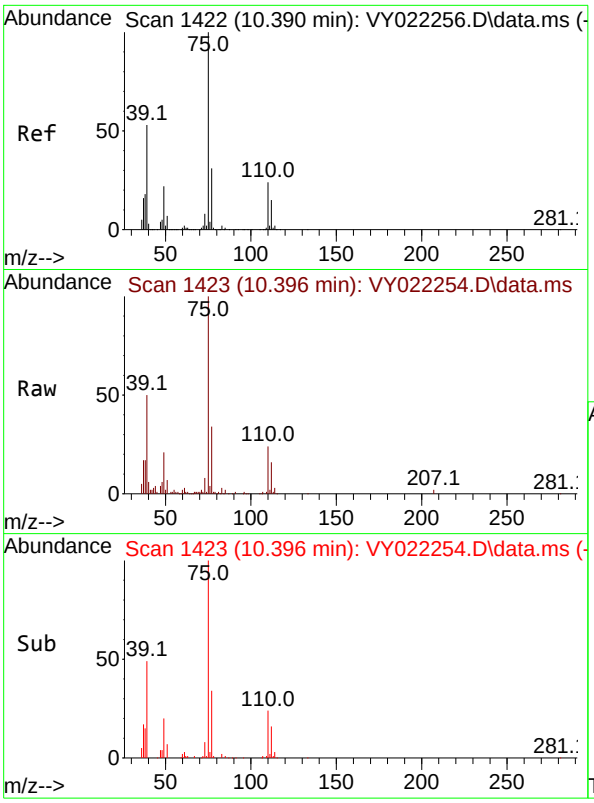


#52
Toluene
Concen: 10.015 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 92 Resp: 82453

Ion	Ratio	Lower	Upper
92	100		
91	168.8	139.1	208.7

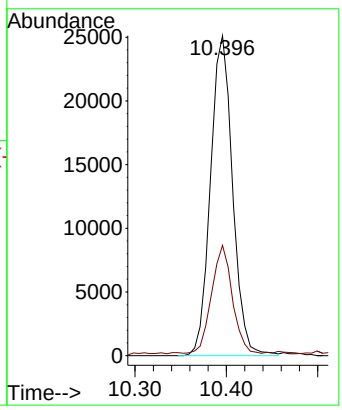




#53
t-1,3-Dichloropropene
Concen: 9.849 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 4215

Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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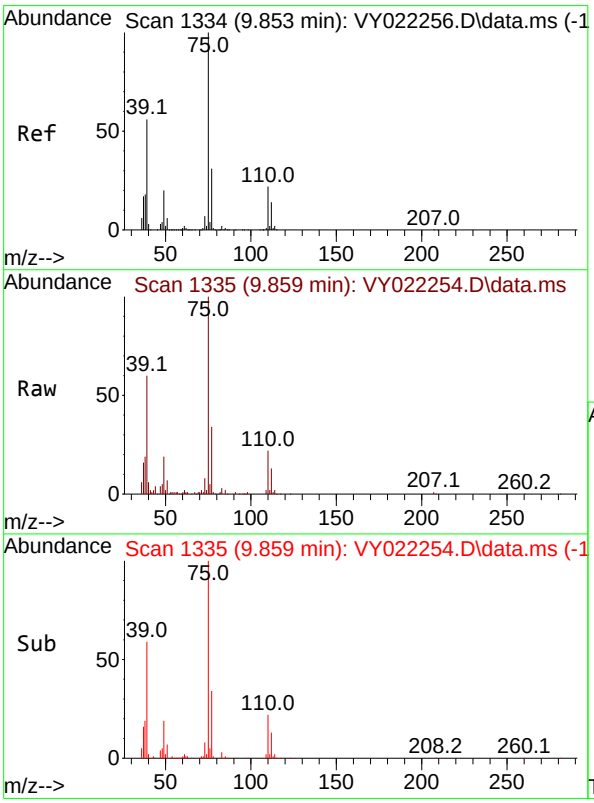
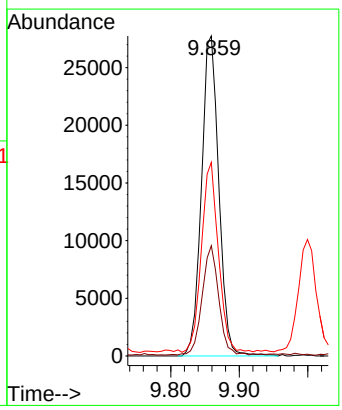
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

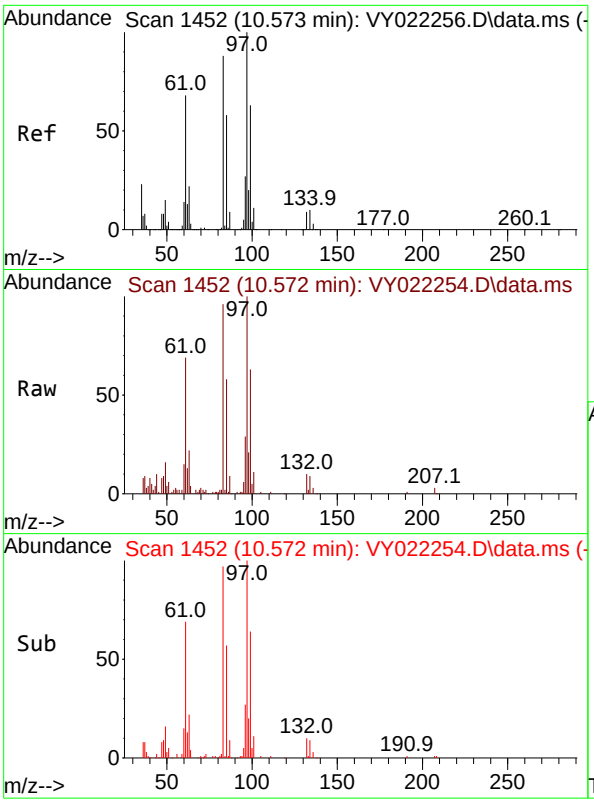


#54
cis-1,3-Dichloropropene
Concen: 9.976 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 48923

Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.1	37.7
39	58.7	44.5	66.7

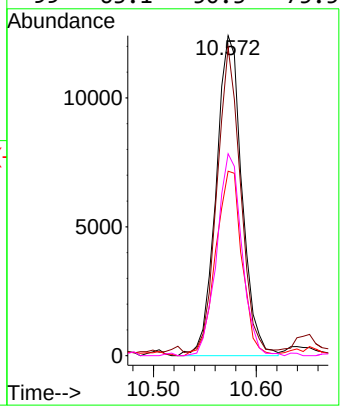




#55
1,1,2-Trichloroethane
Concen: 10.033 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 97 Resp: 2172

Ion	Ratio	Lower	Upper
97	100		
83	94.5	70.3	105.5
85	57.6	46.2	69.4
99	63.1	50.3	75.5



Instrument :
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ClientSampleId :
VSTDICC010

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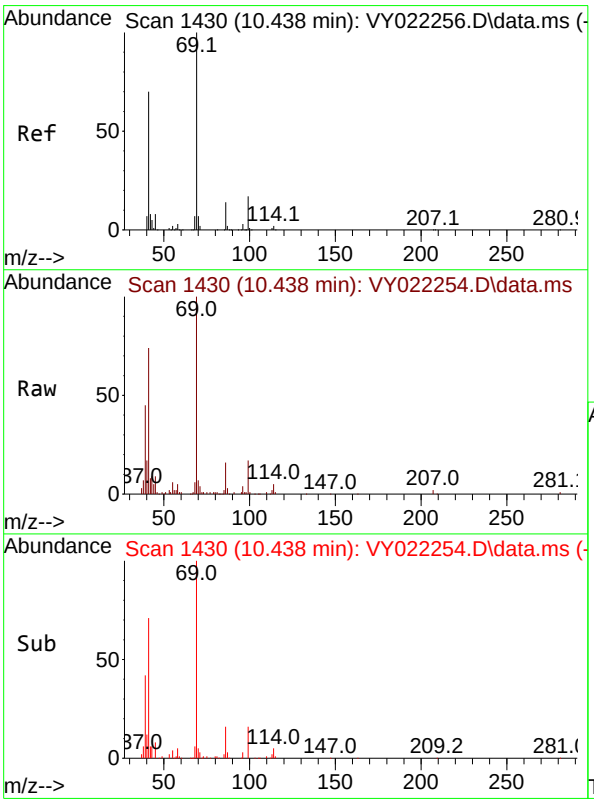
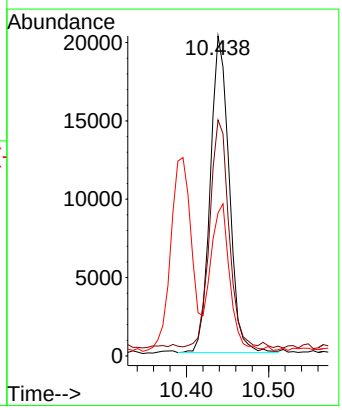
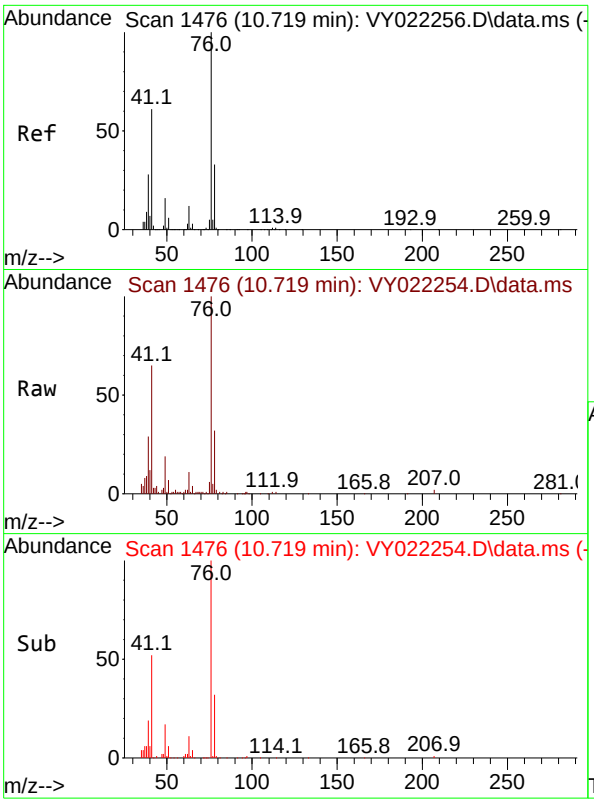


#56
Ethyl methacrylate
Concen: 9.574 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 69 Resp: 32286

Ion	Ratio	Lower	Upper
69	100		
41	72.5	56.5	84.7
39	45.6	37.1	55.7

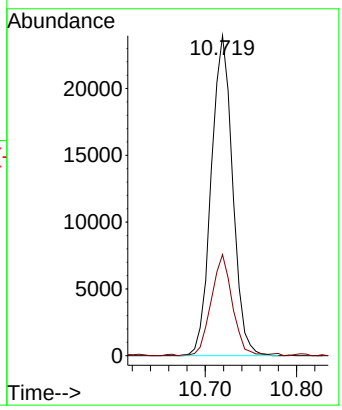




#57
1,3-Dichloropropane
Concen: 10.115 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 76 Resp: 3890

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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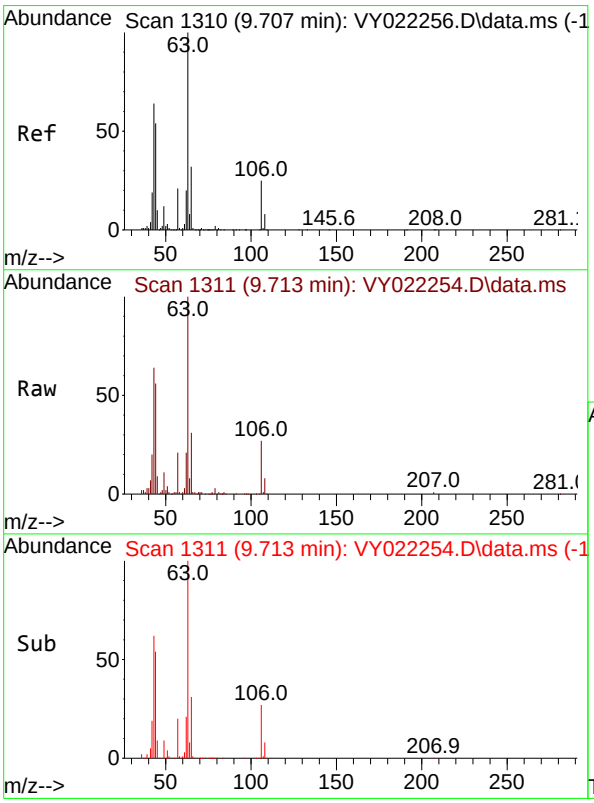
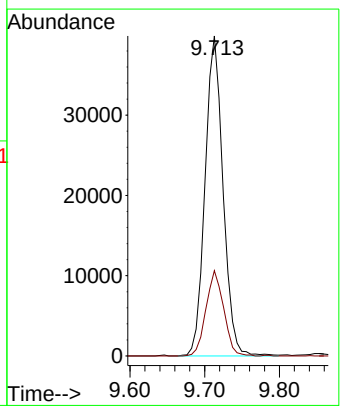
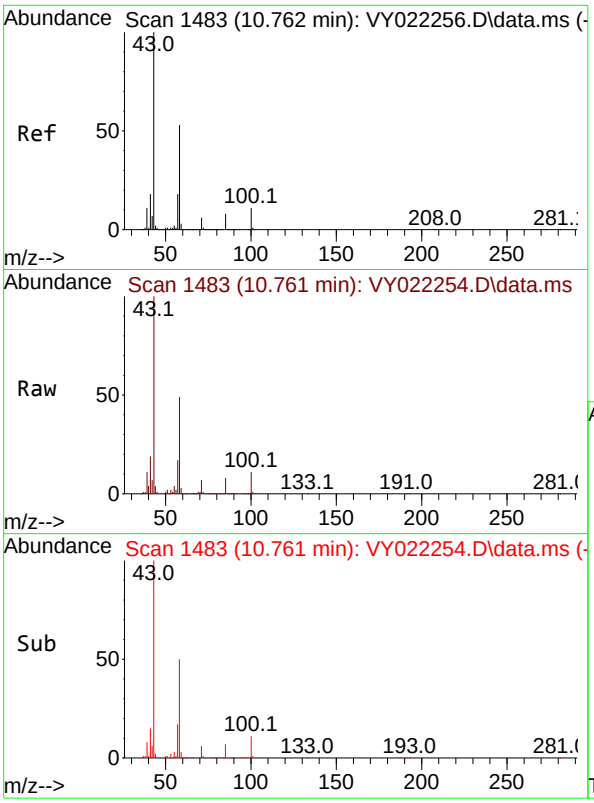


#58
2-Chloroethyl Vinyl ether
Concen: 44.066 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 63 Resp: 66700

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4

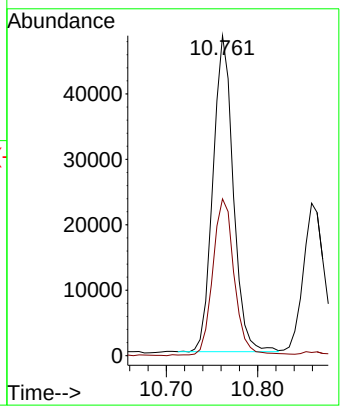




#59
2-Hexanone
Concen: 49.162 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 7443

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.1	78.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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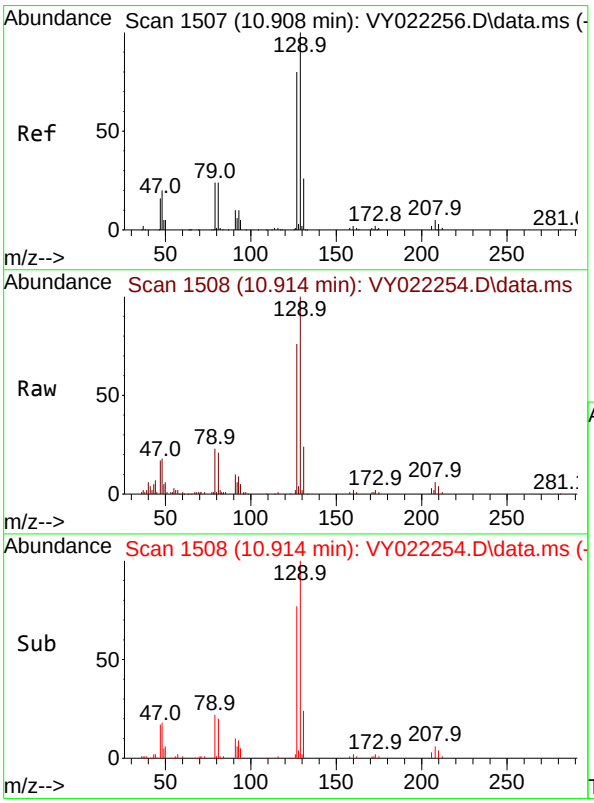
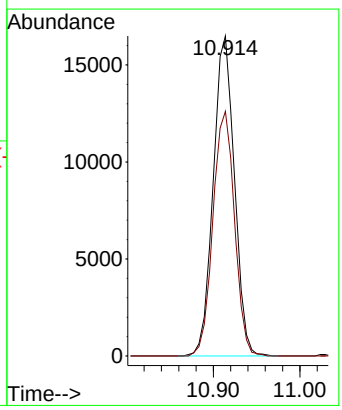
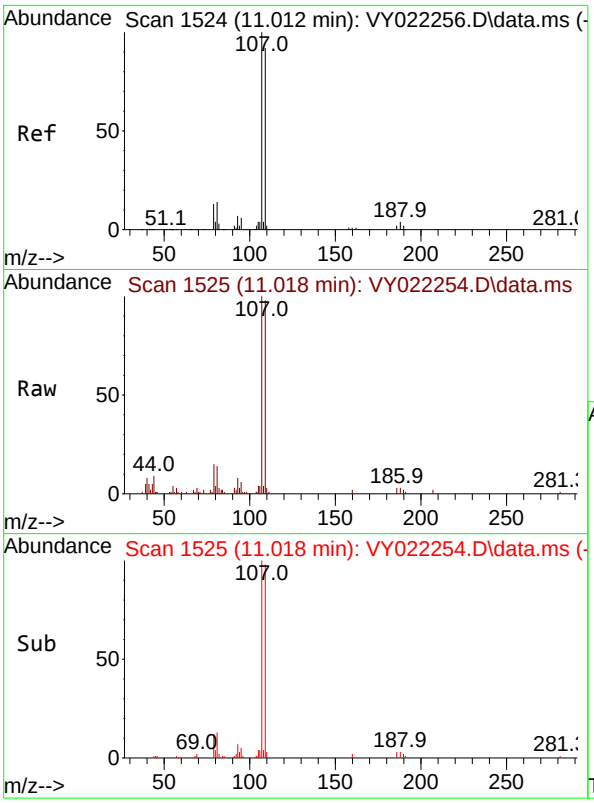


#60
Dibromochloromethane
Concen: 9.965 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:129 Resp: 28002

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7

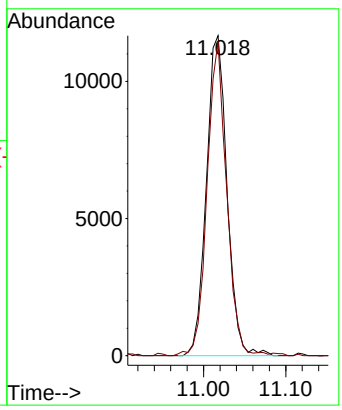




#61
1,2-Dibromoethane
Concen: 10.099 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:107 Resp: 2037

Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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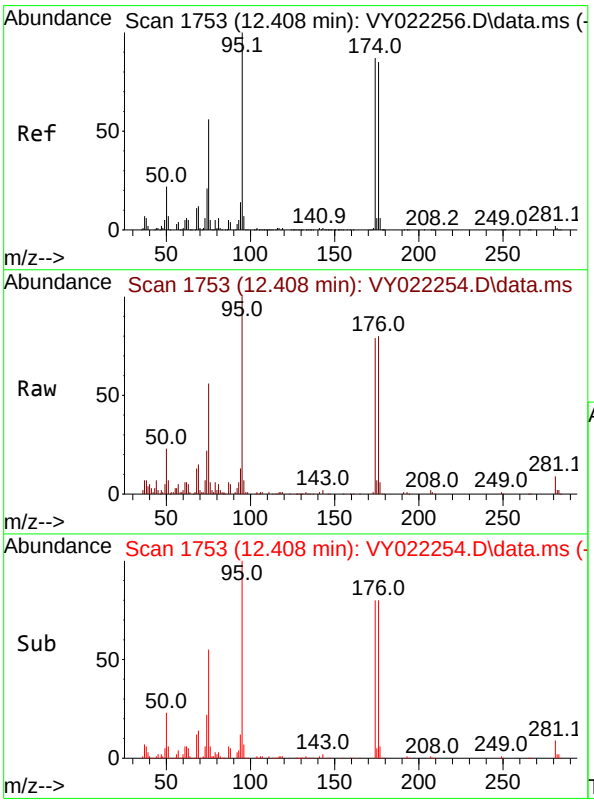
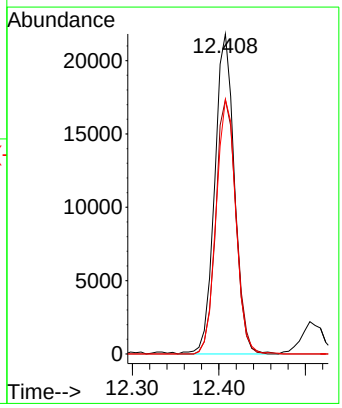
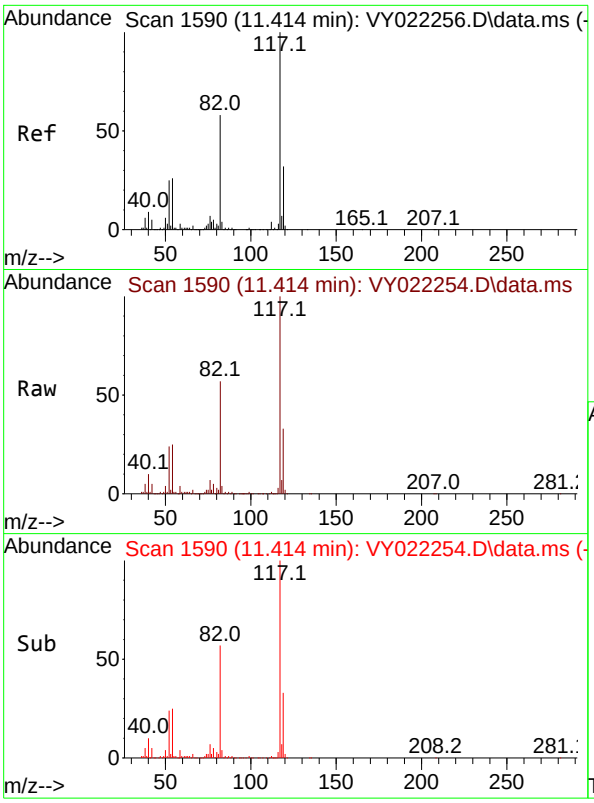


#62
4-Bromofluorobenzene
Concen: 9.959 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 95 Resp: 34423

Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	166.8
176	79.7	0.0	160.8

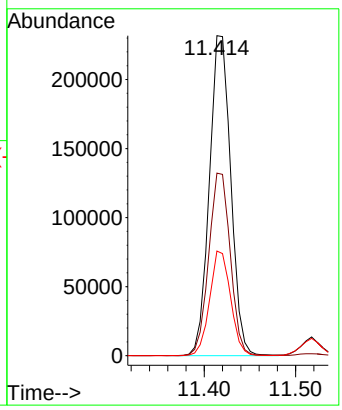




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 37721

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.6	70.0
119	32.7	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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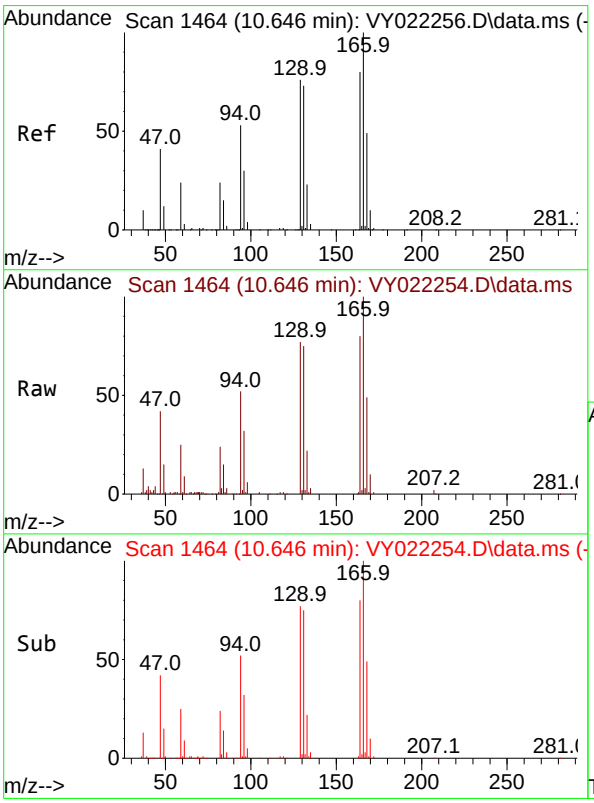
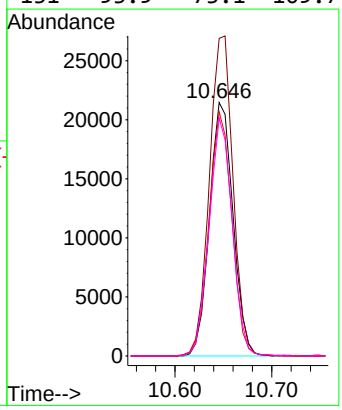
Supervised By :Semsettin Yesilyurt 05/16/2025

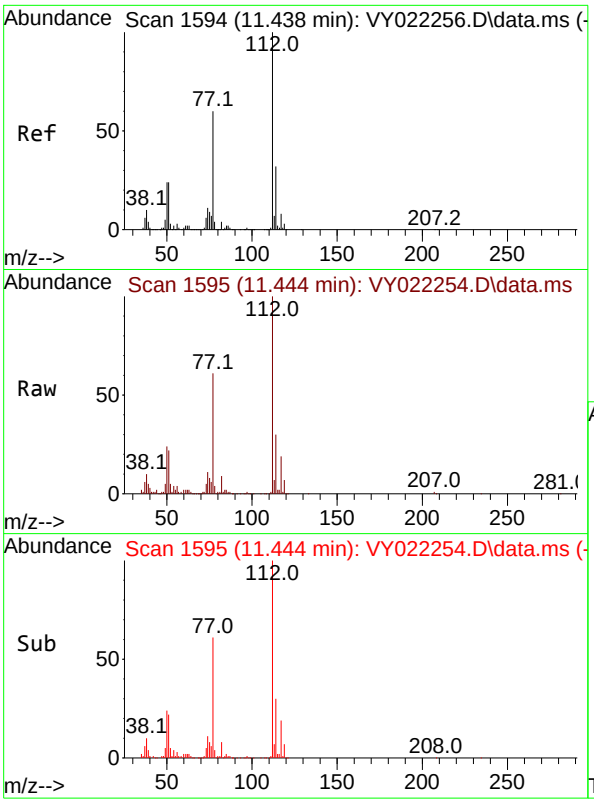


#64
Tetrachloroethene
Concen: 10.404 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:164 Resp: 36274

Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.4	150.6
129	96.3	76.4	114.6
131	93.9	73.1	109.7

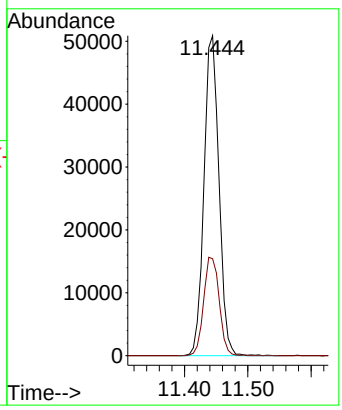




#65
Chlorobenzene
Concen: 9.839 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:112 Resp: 8373

Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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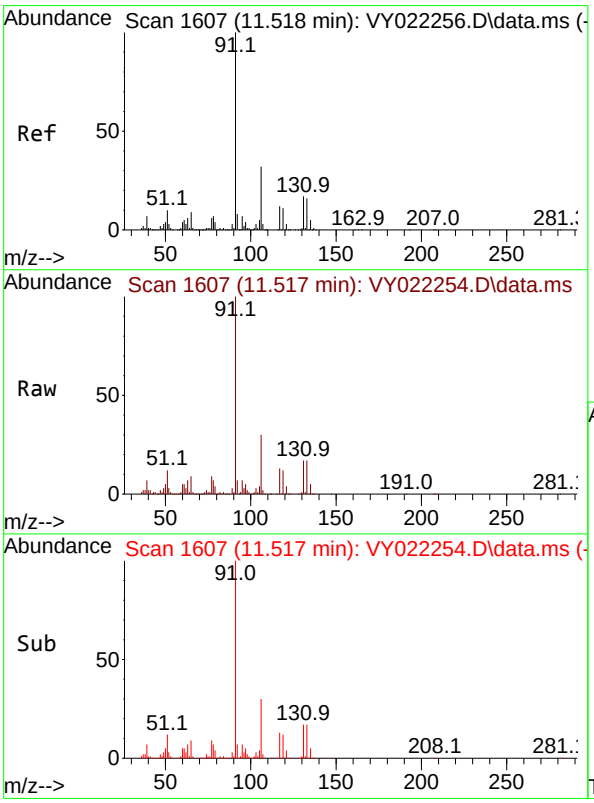
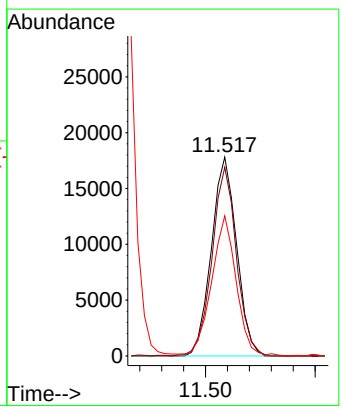
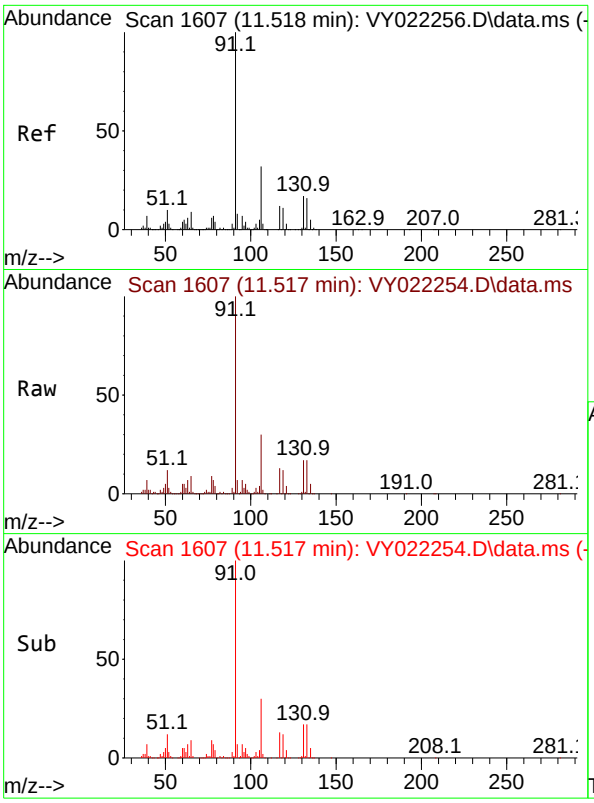


#66
1,1,1,2-Tetrachloroethane
Concen: 9.721 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:131 Resp: 28441

Ion	Ratio	Lower	Upper
131	100		
133	92.3	47.3	141.9
119	69.0	33.1	99.2

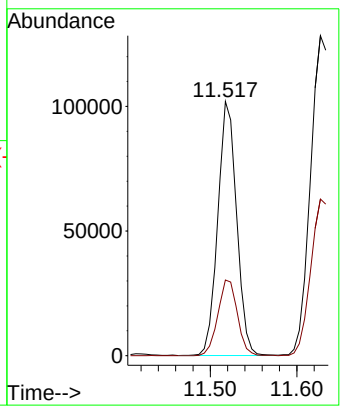




#67
Ethyl Benzene
Concen: 9.672 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 15415

Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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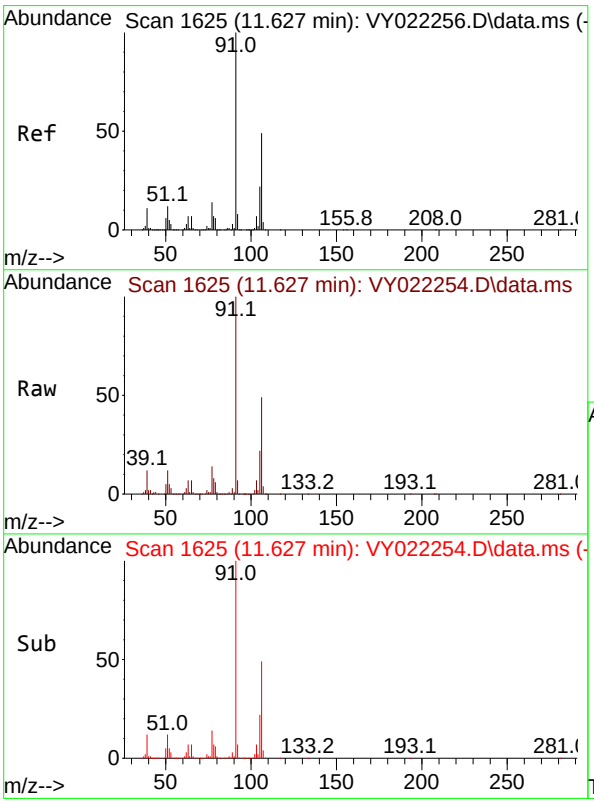
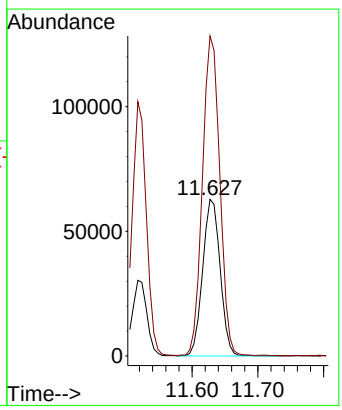
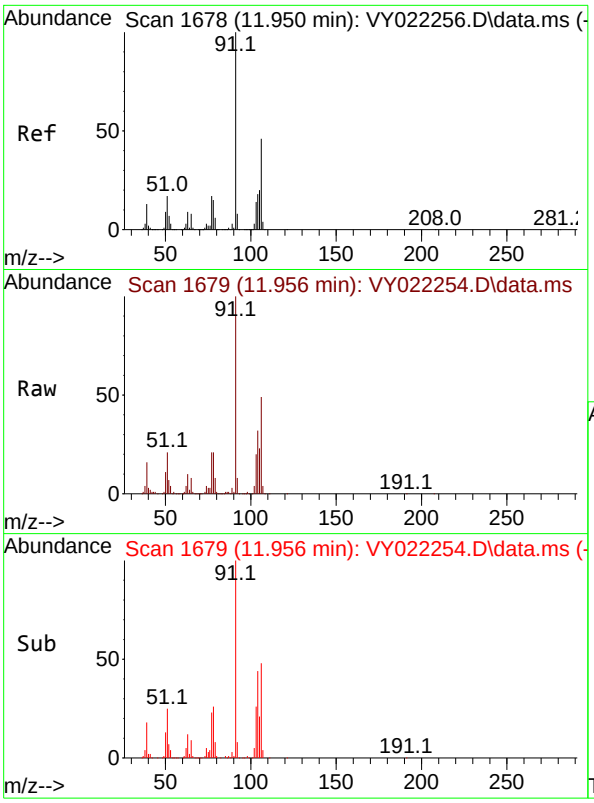


#68
m/p-Xylenes
Concen: 19.334 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:106 Resp: 116113

Ion	Ratio	Lower	Upper
106	100		
91	202.4	163.0	244.4

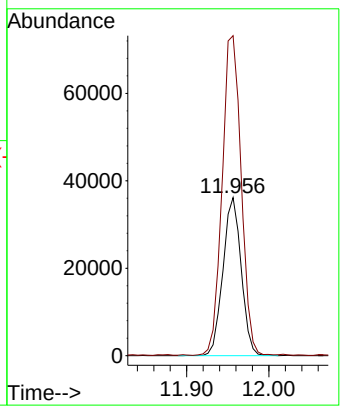




#69
o-Xylene
Concen: 9.837 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:106 Resp: 5589

Ion	Ratio	Lower	Upper
106	100		
91	210.6	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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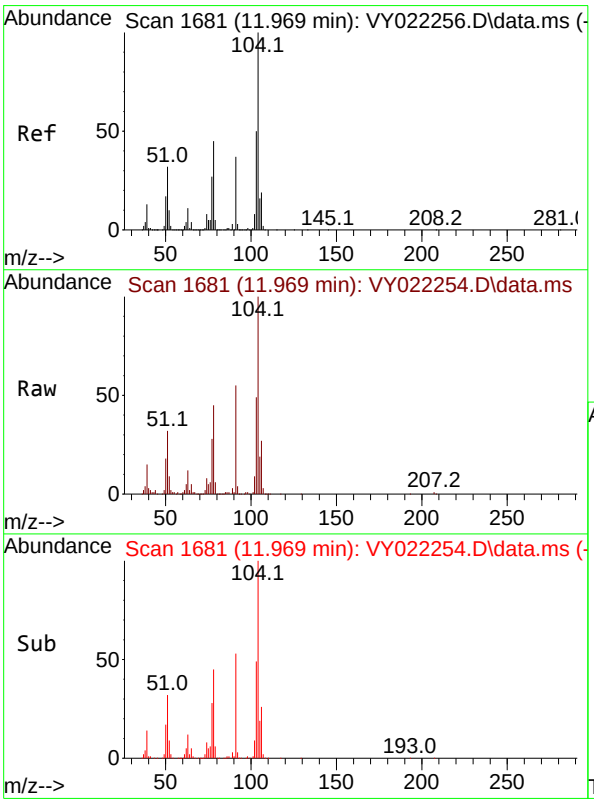
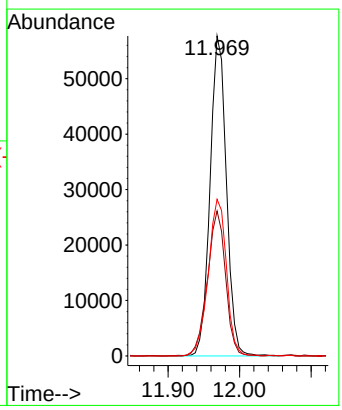
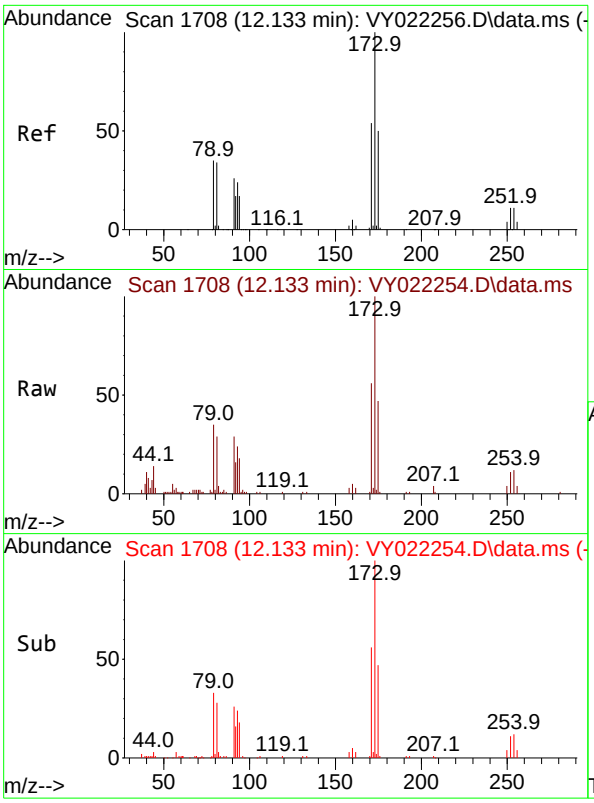


#70
Styrene
Concen: 9.553 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:104 Resp: 91569

Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.9	61.3
103	54.7	43.7	65.5

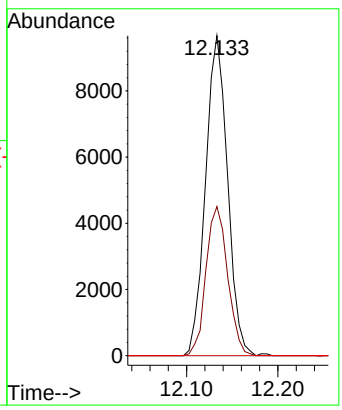




#71
Bromoform
Concen: 10.228 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:173 Resp: 1615

Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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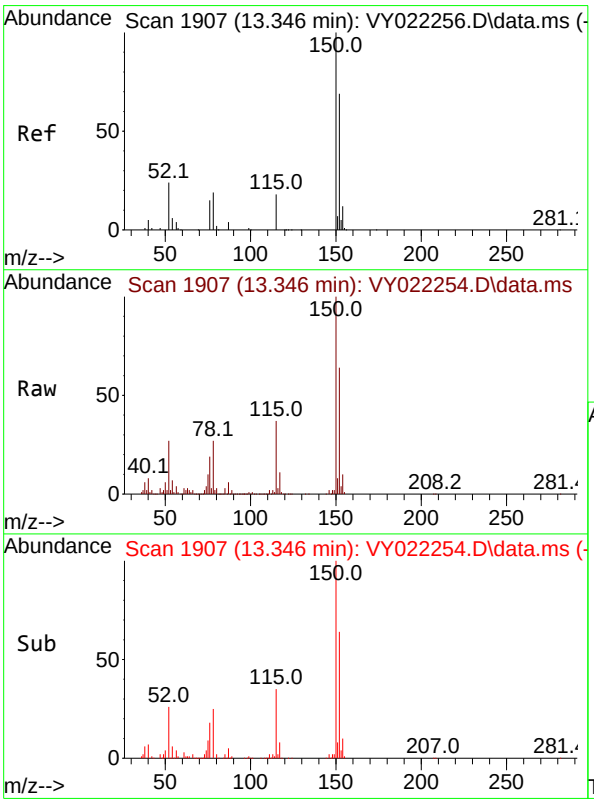
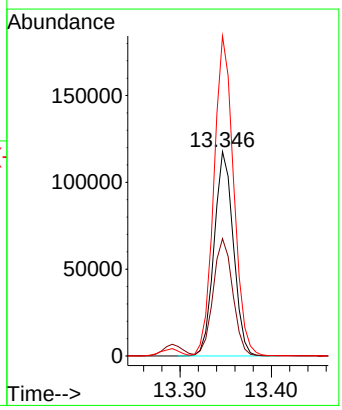
Supervised By :Semsettin Yesilyurt 05/16/2025

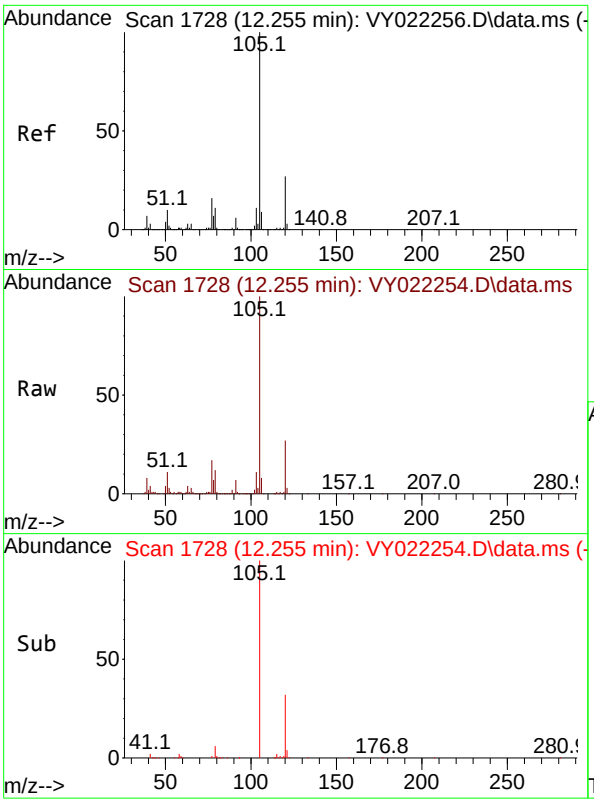


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:152 Resp: 171972

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	161.2	0.0	353.8

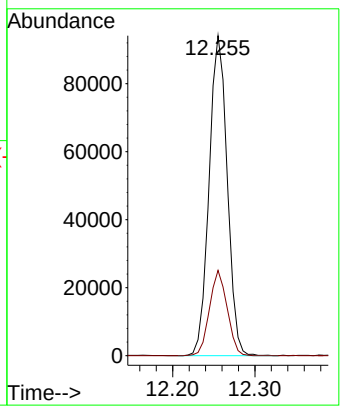




#73
Isopropylbenzene
Concen: 10.120 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 14418

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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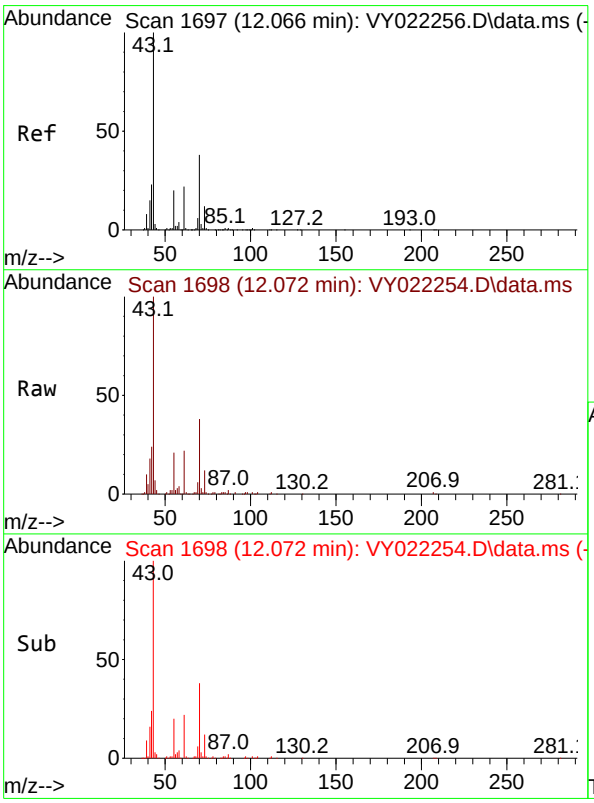
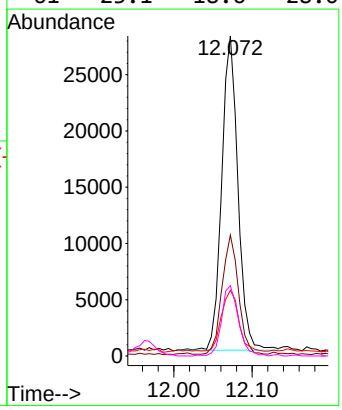
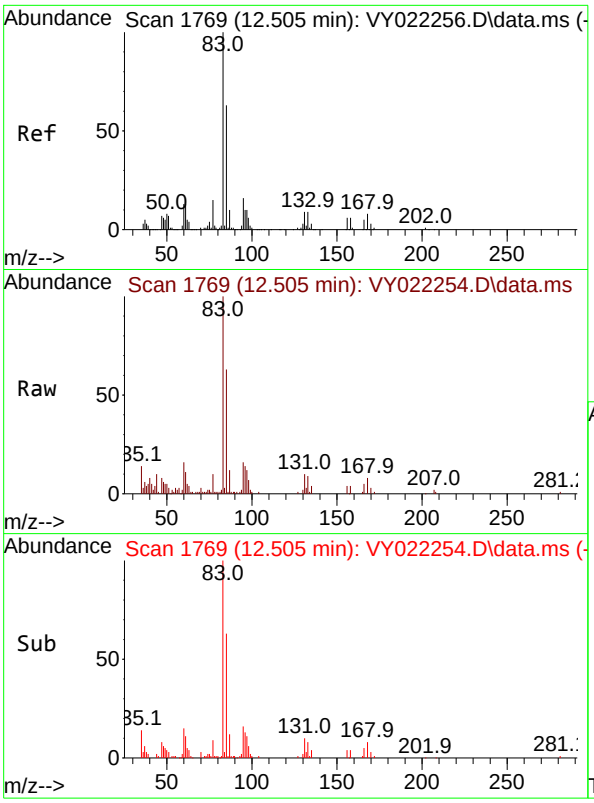


#74
N-amyl acetate
Concen: 9.901 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 43 Resp: 40345

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.4	47.0
55	20.5	17.0	25.6
61	23.1	18.6	28.0

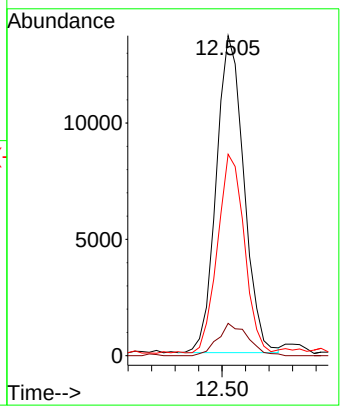




#75
1,1,2,2-Tetrachloroethane
Concen: 10.152 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 83 Resp: 2224

Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.9	14.7
85	60.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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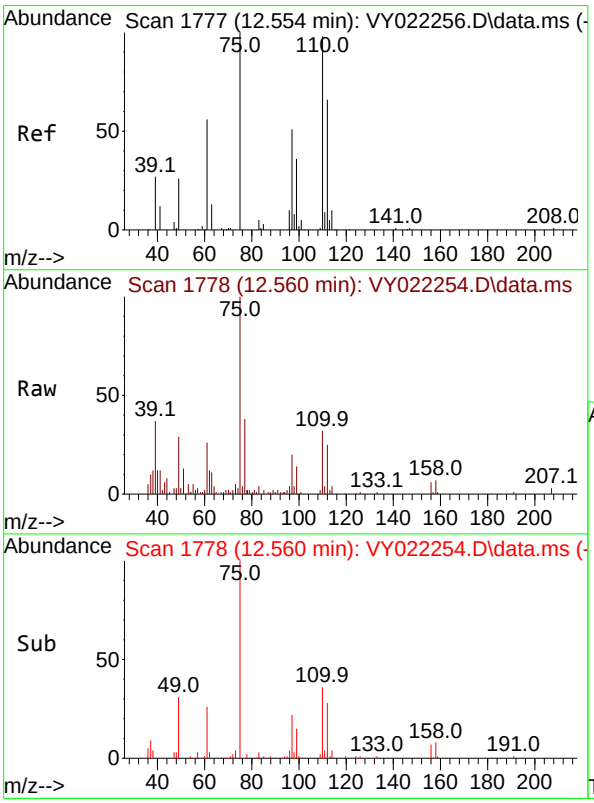
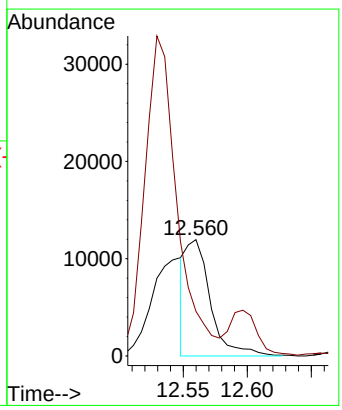
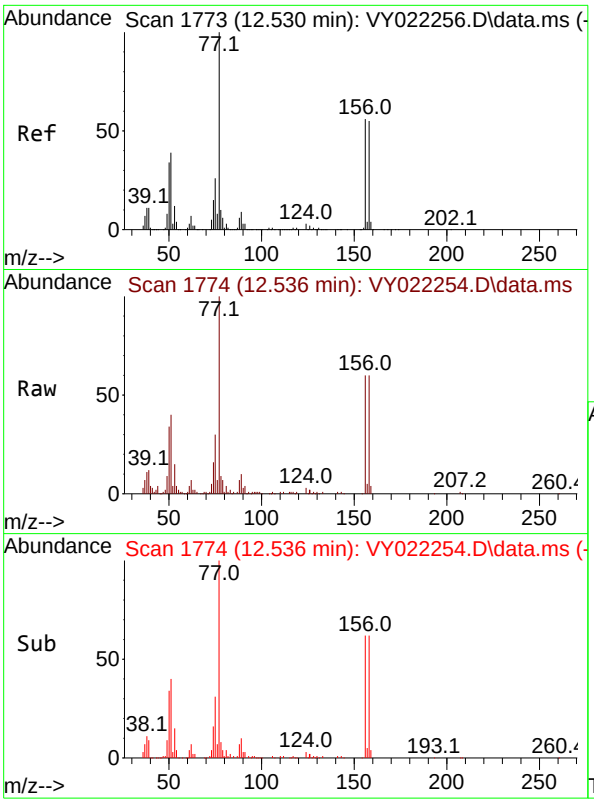


#76
1,2,3-Trichloropropane
Concen: 5.297 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 16056

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

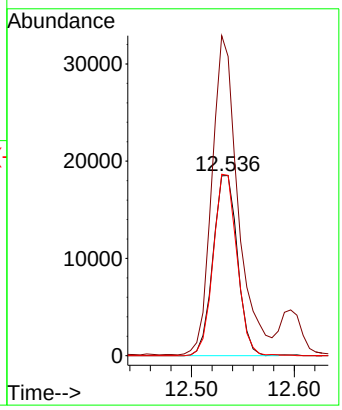




#77
Bromobenzene
Concen: 10.005 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:156 Resp: 3044

Ion	Ratio	Lower	Upper
156	100		
77	189.7	94.5	283.6
158	98.1	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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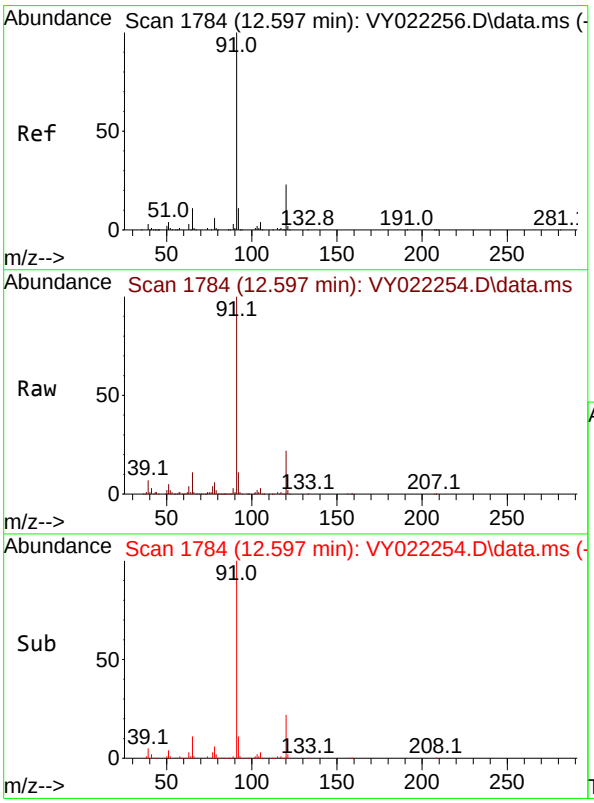
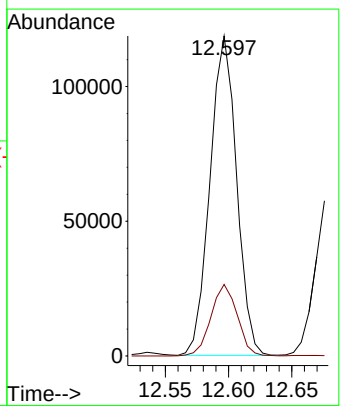
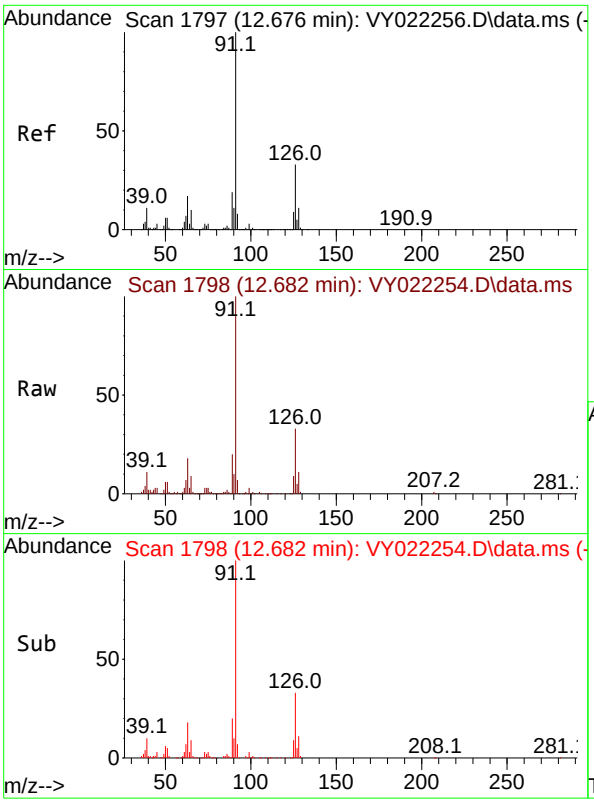


#78
n-propylbenzene
Concen: 10.101 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 173575

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79
2-Chlorotoluene
Concen: 10.146 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 9581

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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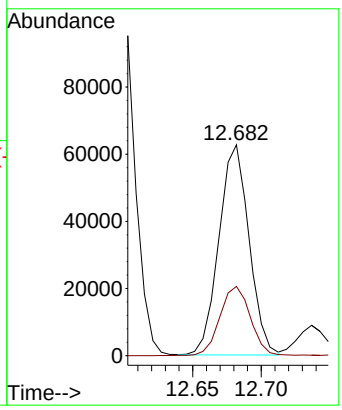
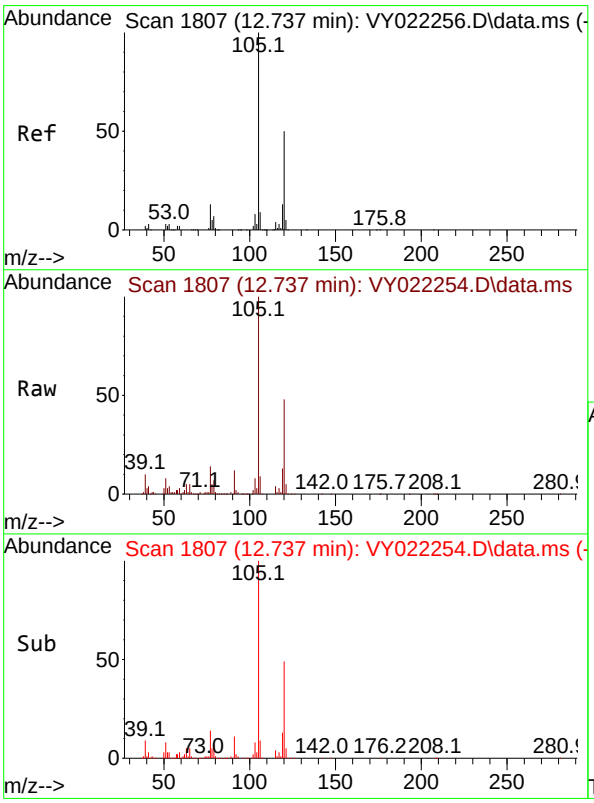
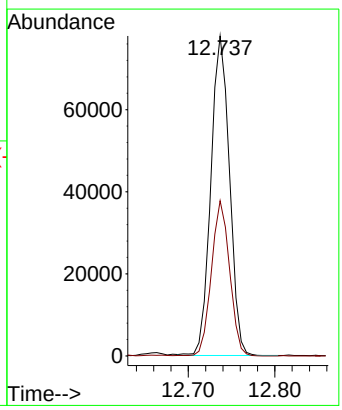


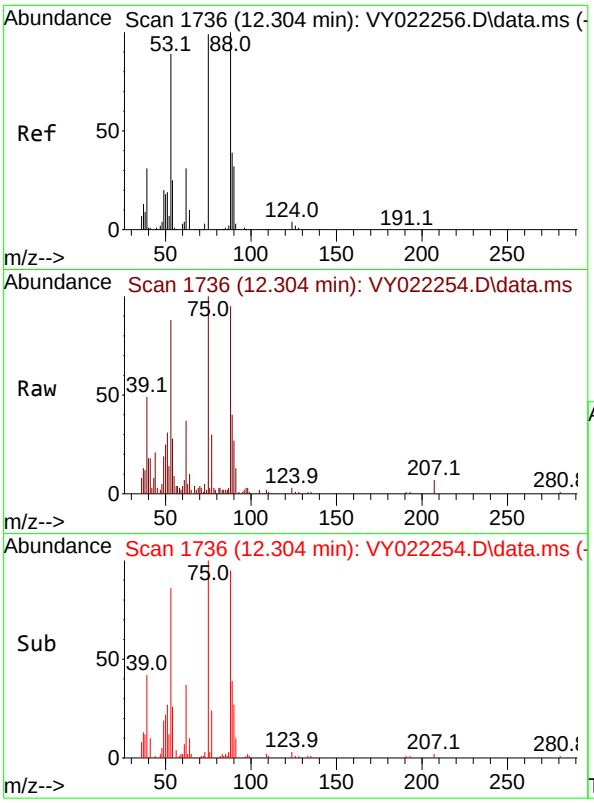


#80
1,3,5-Trimethylbenzene
Concen: 10.126 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 116461

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 10.388 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 893

Ion	Ratio	Lower	Upper
75	100		
53	87.6	75.8	113.8
89	44.0	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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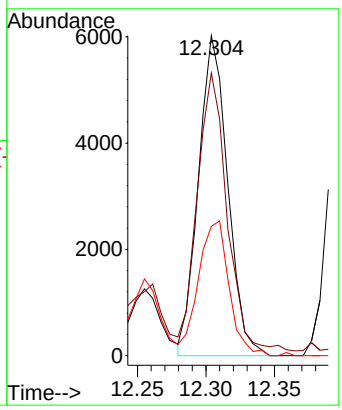
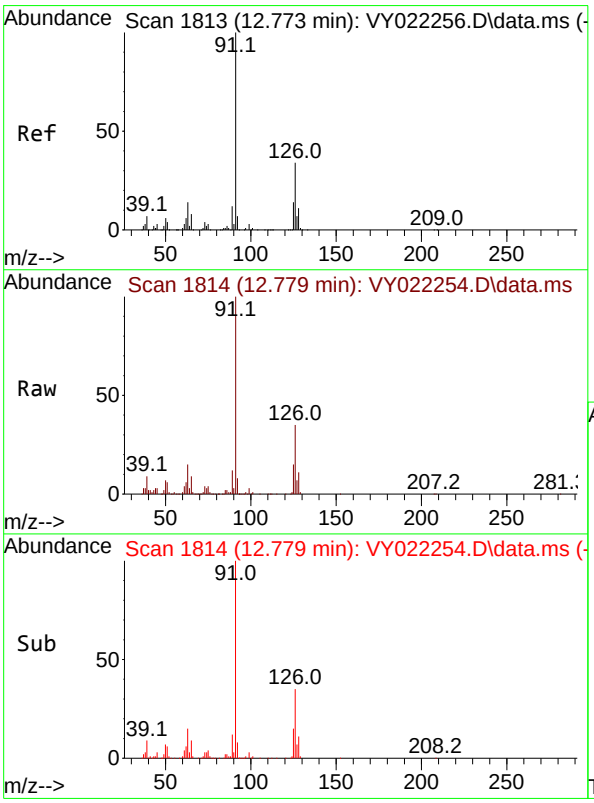
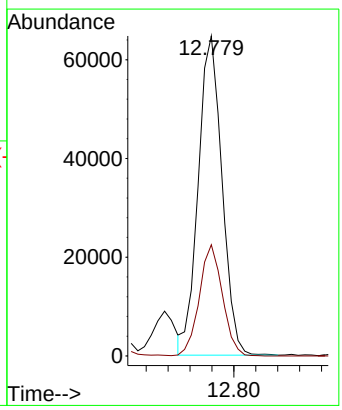


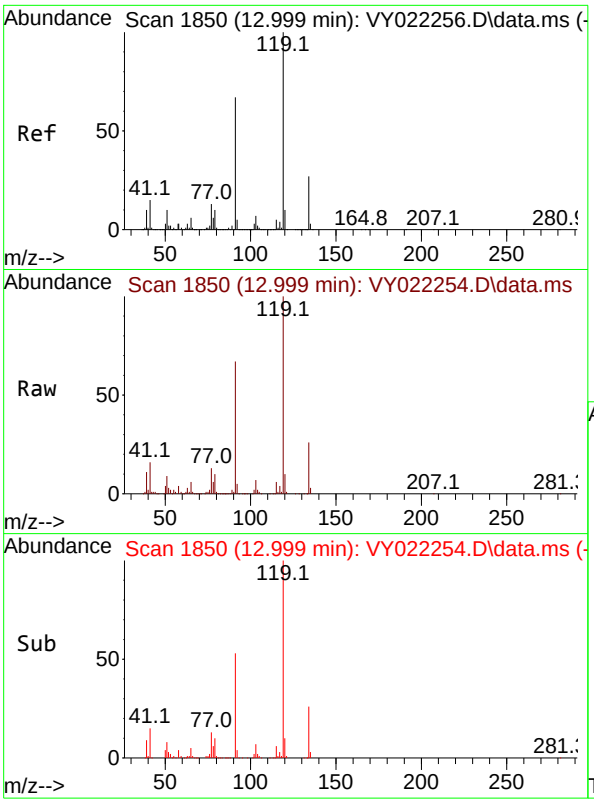


#82
4-Chlorotoluene
Concen: 10.018 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 97309

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.8	50.4





#83
tert-Butylbenzene
Concen: 10.005 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:119 Resp: 10227

Ion	Ratio	Lower	Upper
119	100		
91	66.9	32.8	98.3
134	25.7	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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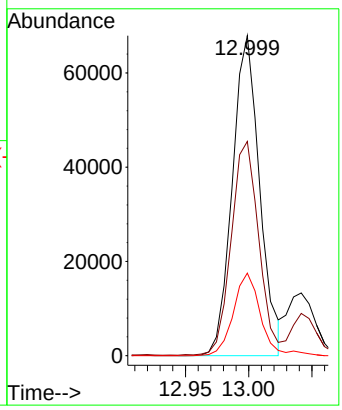
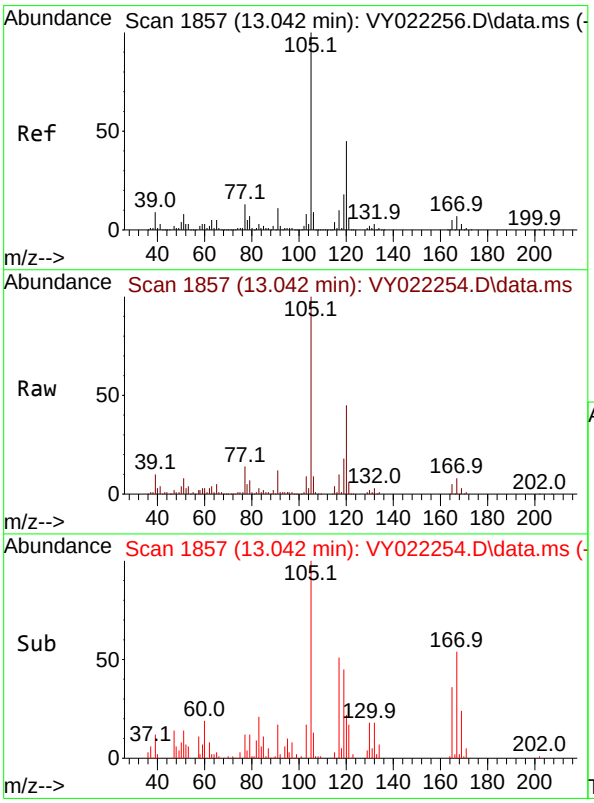
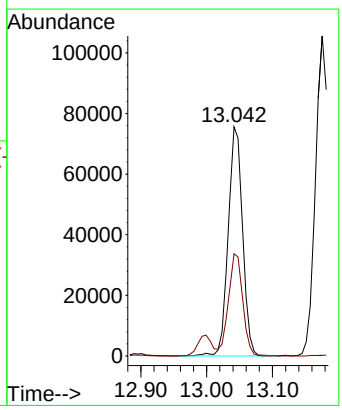


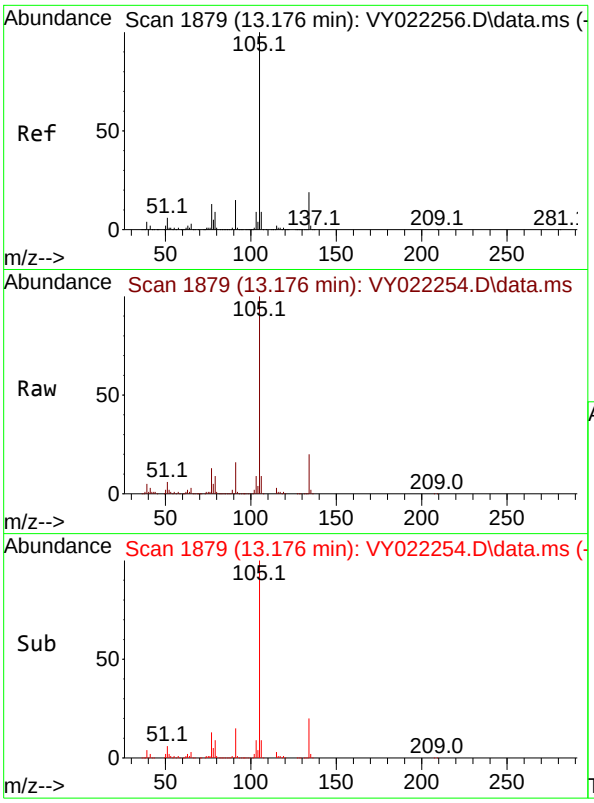


#84
1,2,4-Trimethylbenzene
Concen: 10.088 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 115175

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





#85
sec-Butylbenzene
Concen: 10.112 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:105 Resp: 15344

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
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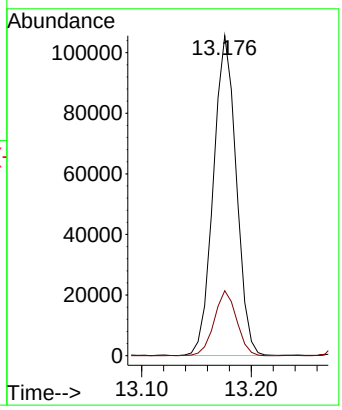
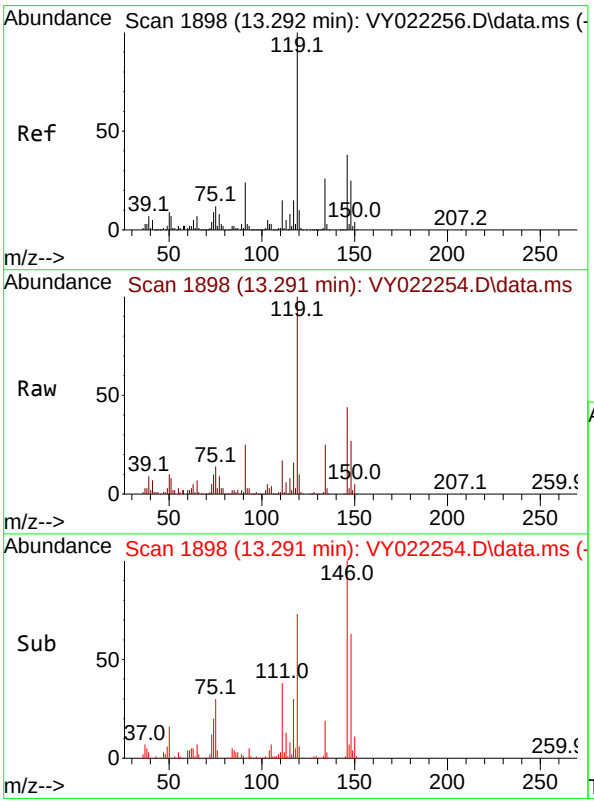
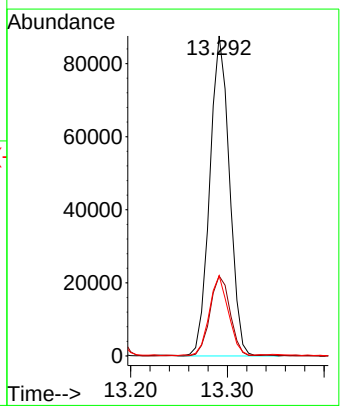


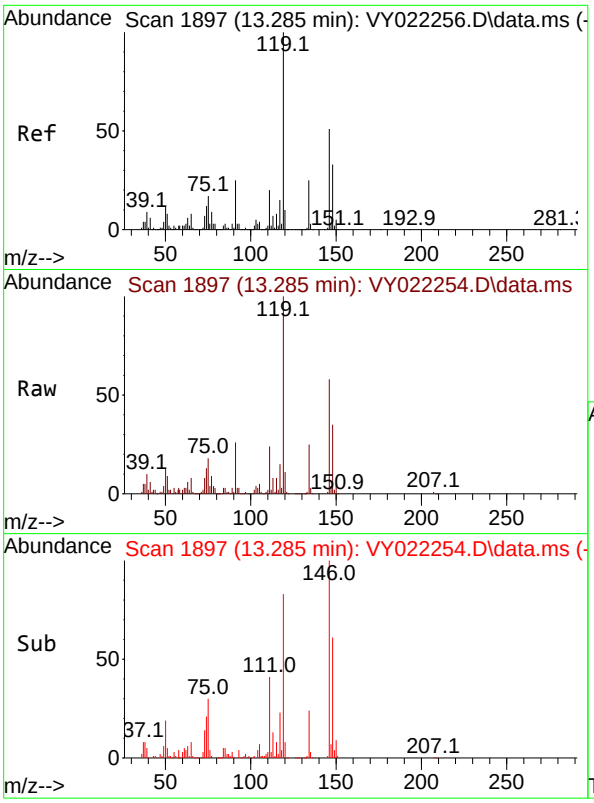


#86
p-Isopropyltoluene
Concen: 9.728 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:119 Resp: 124147

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.9	38.6
91	24.1	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 9.822 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 6101

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	62.1	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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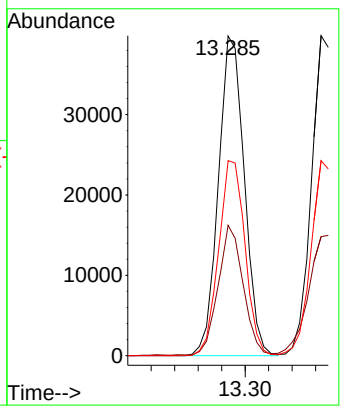
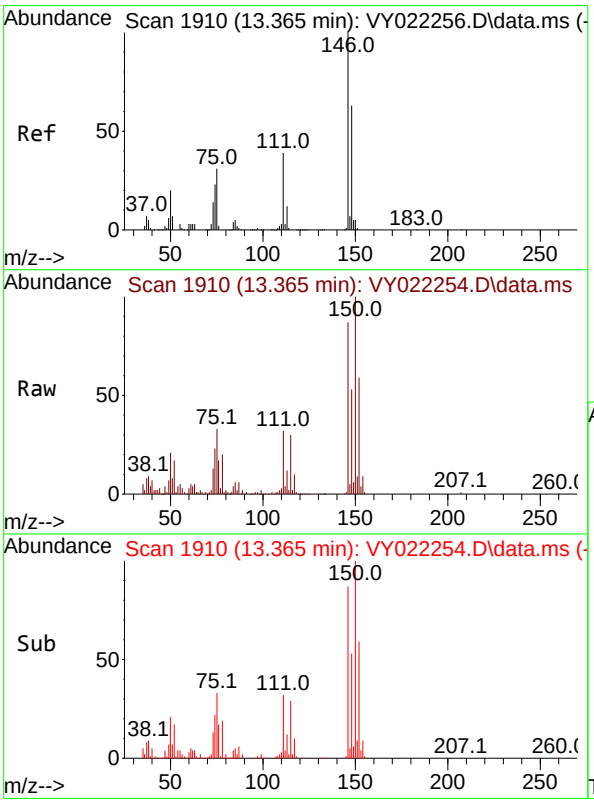
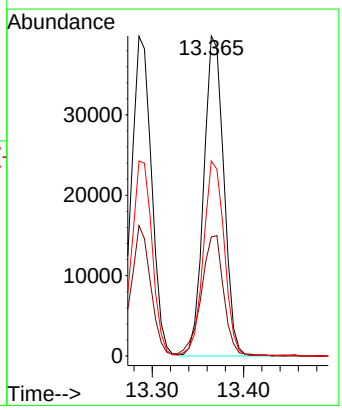


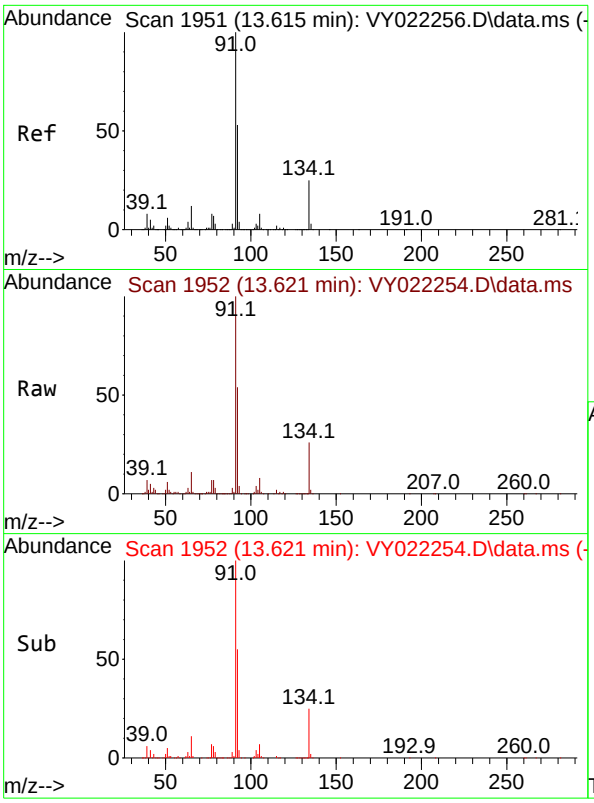


#88
1,4-Dichlorobenzene
Concen: 10.163 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 60723

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.0	59.9
148	62.5	32.1	96.5

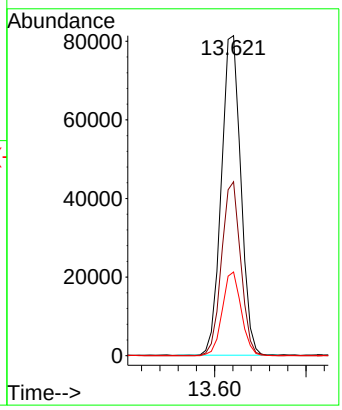




#89
n-Butylbenzene
Concen: 9.970 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 91 Resp: 12037

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.3	78.9
134	25.5	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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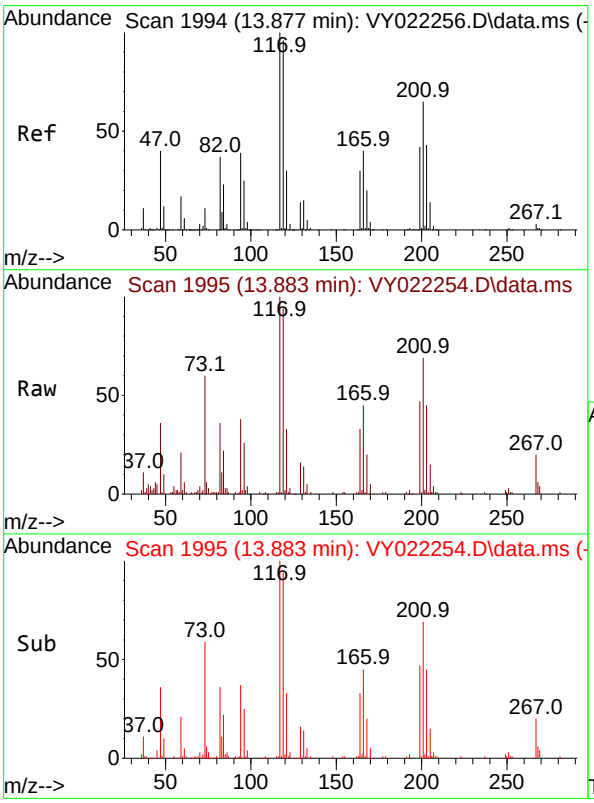
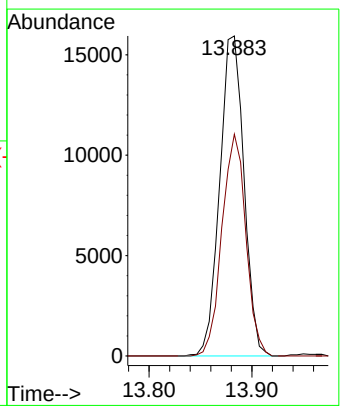
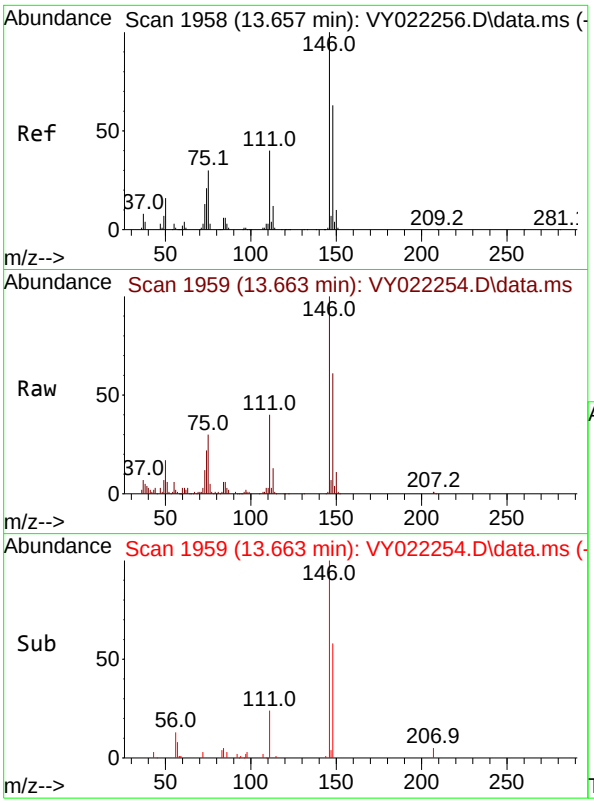


#90
Hexachloroethane
Concen: 10.127 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:117 Resp: 26089

Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.2	105.6

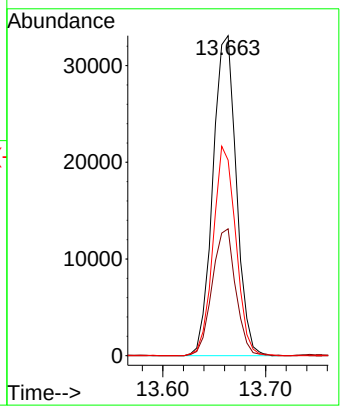




#91
1,2-Dichlorobenzene
Concen: 10.020 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:146 Resp: 5228

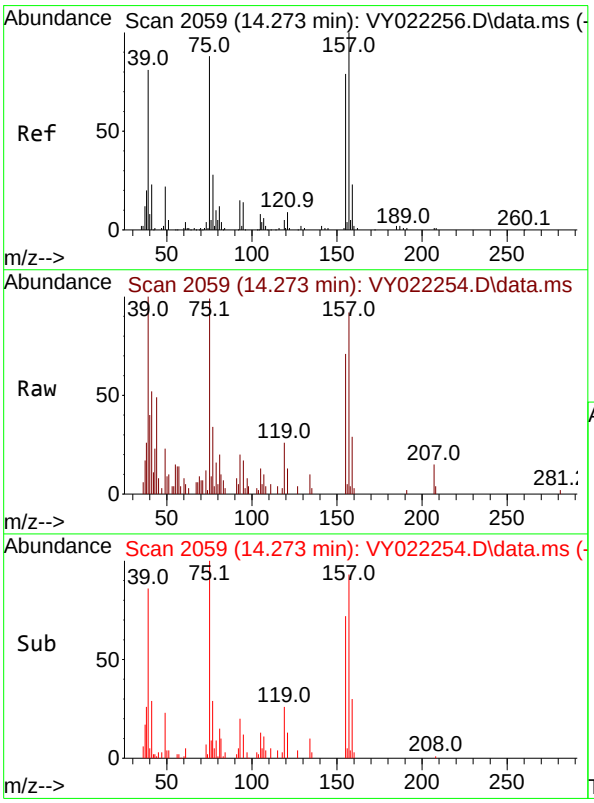
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.5
148	63.5	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

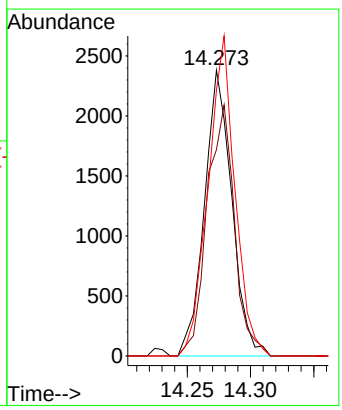
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

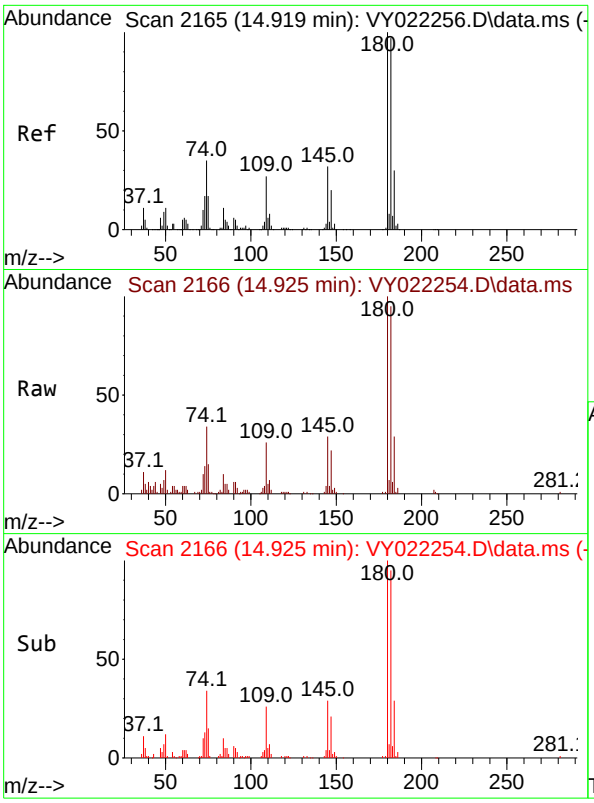


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.155 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion: 75 Resp: 3588

Ion	Ratio	Lower	Upper
75	100		
155	88.0	43.4	130.1
157	109.8	54.6	163.9

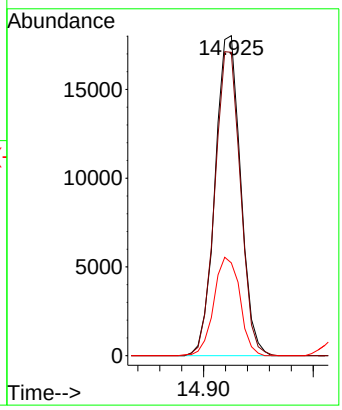




#93
1,2,4-Trichlorobenzene
Concen: 9.646 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:180 Resp: 2907

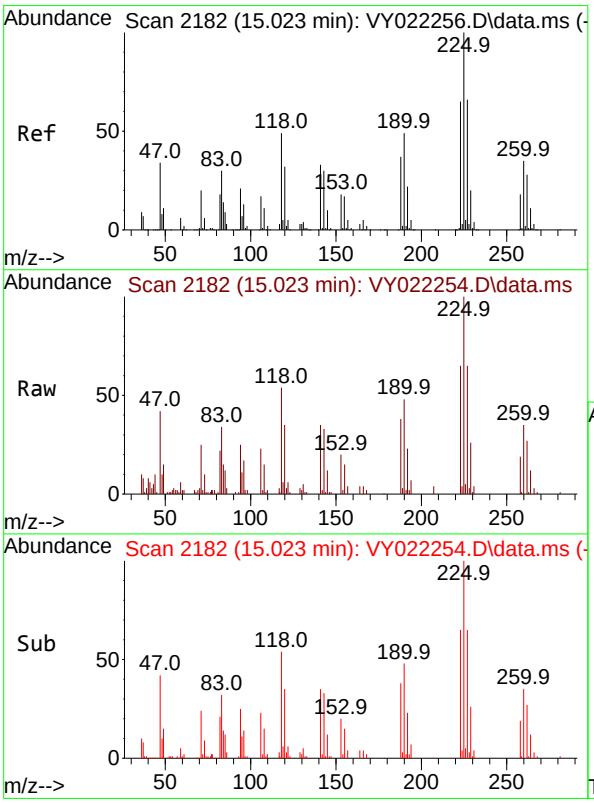
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	31.4	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

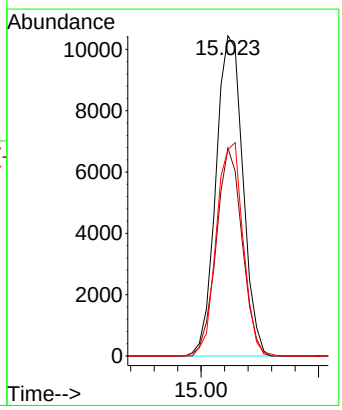
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

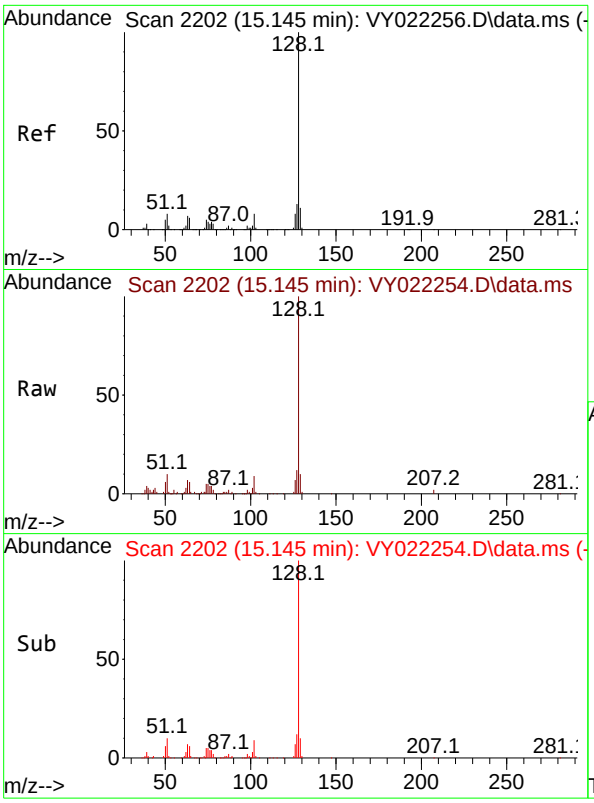


#94
Hexachlorobutadiene
Concen: 9.927 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:225 Resp: 16686

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.5	94.5
227	65.8	32.1	96.3

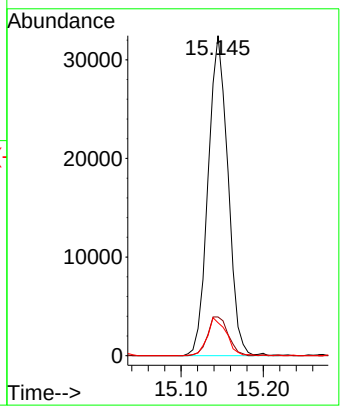




#95
Naphthalene
Concen: 9.495 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:128 Resp: 5430

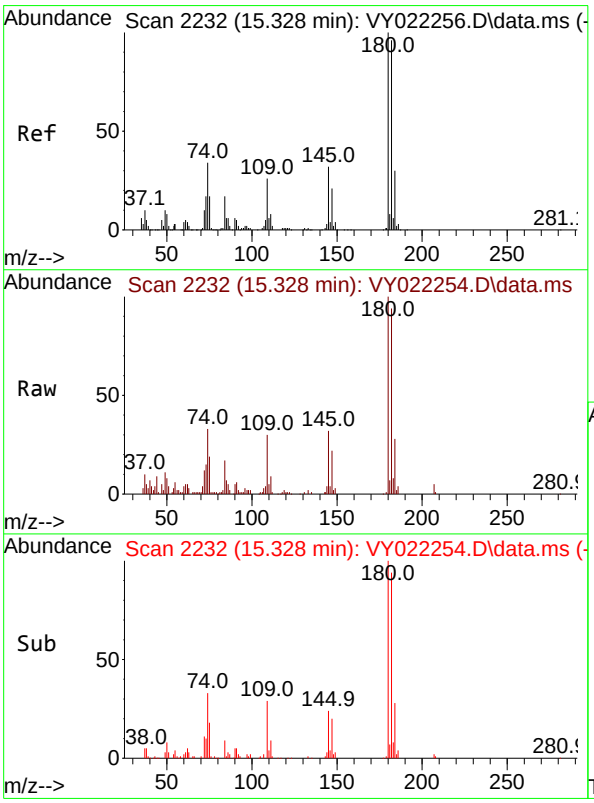
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.5	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

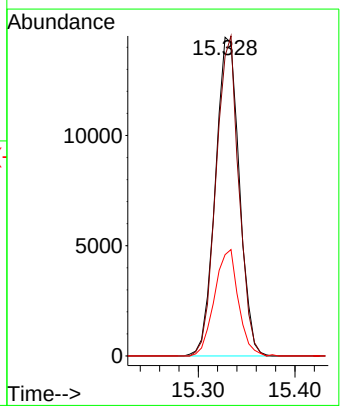
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.696 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022254.D
Acq: 15 May 2025 10:16

Tgt Ion:180 Resp: 24790

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	33.4	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	262008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55221	19.284	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.560%#		
35) Dibromofluoromethane	7.634	113	51670	19.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	39.360%#		
50) Toluene-d8	10.109	98	210206	19.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.100%#		
62) 4-Bromofluorobenzene	12.408	95	64706	18.988	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	56737	20.753	ug/l	99
3) Chloromethane	2.068	50	120819	21.008	ug/l	97
4) Vinyl Chloride	2.202	62	132511	20.623	ug/l	96
5) Bromomethane	2.592	94	110855	21.194	ug/l	99
6) Chloroethane	2.732	64	83451	20.877	ug/l	99
7) Trichlorofluoromethane	3.050	101	132029	20.295	ug/l	97
8) Diethyl Ether	3.458	74	29651	18.993	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	57012	20.187	ug/l	98
10) Methyl Iodide	4.001	142	65018	19.891	ug/l	98
11) Tert butyl alcohol	4.872	59	19585	89.565	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	56630	20.206	ug/l	98
13) Acrolein	3.653	56	30106	94.178	ug/l	91
14) Allyl chloride	4.385	41	99483	20.244	ug/l	100
15) Acrylonitrile	5.061	53	60119	93.456	ug/l	100
16) Acetone	3.873	43	50198	93.491	ug/l	96
17) Carbon Disulfide	4.104	76	184860	20.228	ug/l	99
18) Methyl Acetate	4.391	43	29969	18.344	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	145976	18.890	ug/l	100
20) Methylene Chloride	4.616	84	67687	19.510	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	63174	20.422	ug/l	97
22) Diisopropyl ether	6.019	45	202960	19.558	ug/l	99
23) Vinyl Acetate	5.958	43	594019	94.748	ug/l	99
24) 1,1-Dichloroethane	5.915	63	115217	19.873	ug/l	99
25) 2-Butanone	6.896	43	82768	92.157	ug/l	93
26) 2,2-Dichloropropane	6.890	77	101725	19.727	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	70008	19.611	ug/l	98
28) Bromochloromethane	7.244	49	48933	19.787	ug/l	100
29) Tetrahydrofuran	7.262	42	53229	92.122	ug/l	98
30) Chloroform	7.421	83	111815	20.107	ug/l	98
31) Cyclohexane	7.695	56	112876	19.486	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	100618	19.721	ug/l	100
36) 1,1-Dichloropropene	7.835	75	85789	19.841	ug/l	99
37) Ethyl Acetate	6.988	43	38482	18.497	ug/l	99
38) Carbon Tetrachloride	7.817	117	86871	19.410	ug/l	98
39) Methylcyclohexane	9.109	83	113511	19.540	ug/l	98
40) Benzene	8.079	78	252507	19.700	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	26008m	17.085	ug/l		
42) 1,2-Dichloroethane	8.158	62	66525	19.192	ug/l		99
43) Isopropyl Acetate	8.201	43	84532	18.631	ug/l		97
44) Trichloroethene	8.866	130	63438	19.904	ug/l		96
45) 1,2-Dichloropropane	9.140	63	60438	19.557	ug/l		100
46) Dibromomethane	9.231	93	31752	19.050	ug/l		99
47) Bromodichloromethane	9.426	83	83823	19.385	ug/l		96
48) Methyl methacrylate	9.219	41	39387	18.563	ug/l		99
49) 1,4-Dioxane	9.237	88	7312	388.323	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	202454	90.940	ug/l		99
52) Toluene	10.170	92	156498	19.281	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	80413	19.056	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	94074	19.458	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	40872	19.149	ug/l		99
56) Ethyl methacrylate	10.438	69	62193	18.706	ug/l		97
57) 1,3-Dichloropropane	10.713	76	72715	19.175	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.707	63	126240	84.595	ug/l		99
59) 2-Hexanone	10.762	43	132496	88.766	ug/l		100
60) Dibromochloromethane	10.914	129	52353	18.898	ug/l		98
61) 1,2-Dibromoethane	11.012	107	37735	18.969	ug/l		99
64) Tetrachloroethene	10.646	164	69548	20.332	ug/l		98
65) Chlorobenzene	11.438	112	163725	19.610	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	55078	19.189	ug/l		98
67) Ethyl Benzene	11.518	91	303375	19.402	ug/l		99
68) m/p-Xylenes	11.627	106	225990	38.355	ug/l		100
69) o-Xylene	11.956	106	106998	19.194	ug/l		100
70) Styrene	11.969	104	179114	19.048	ug/l		99
71) Bromoform	12.133	173	28788	18.582	ug/l	#	98
73) Isopropylbenzene	12.255	105	282895	19.795	ug/l		100
74) N-amyl acetate	12.072	43	76841	18.799	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40064	18.228	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	35574m	11.701	ug/l		
77) Bromobenzene	12.530	156	58515	19.170	ug/l		99
78) n-propylbenzene	12.597	91	338383	19.630	ug/l		99
79) 2-Chlorotoluene	12.682	91	185872	19.621	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	225966	19.587	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	16653	19.302	ug/l		97
82) 4-Chlorotoluene	12.779	91	189350	19.433	ug/l		100
83) tert-Butylbenzene	12.999	119	200101	19.515	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	221194	19.315	ug/l		98
85) sec-Butylbenzene	13.176	105	297975	19.576	ug/l		100
86) p-Isopropyltoluene	13.292	119	246569	19.261	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	118336	18.991	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	117705	19.638	ug/l		99
89) n-Butylbenzene	13.615	91	240857	19.887	ug/l		99
90) Hexachloroethane	13.877	117	50762	19.643	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	102077	19.502	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6387	18.021	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	58490	19.346	ug/l		99
94) Hexachlorobutadiene	15.023	225	34228	20.301	ug/l		100
95) Naphthalene	15.145	128	105350	18.362	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	48444	18.888	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

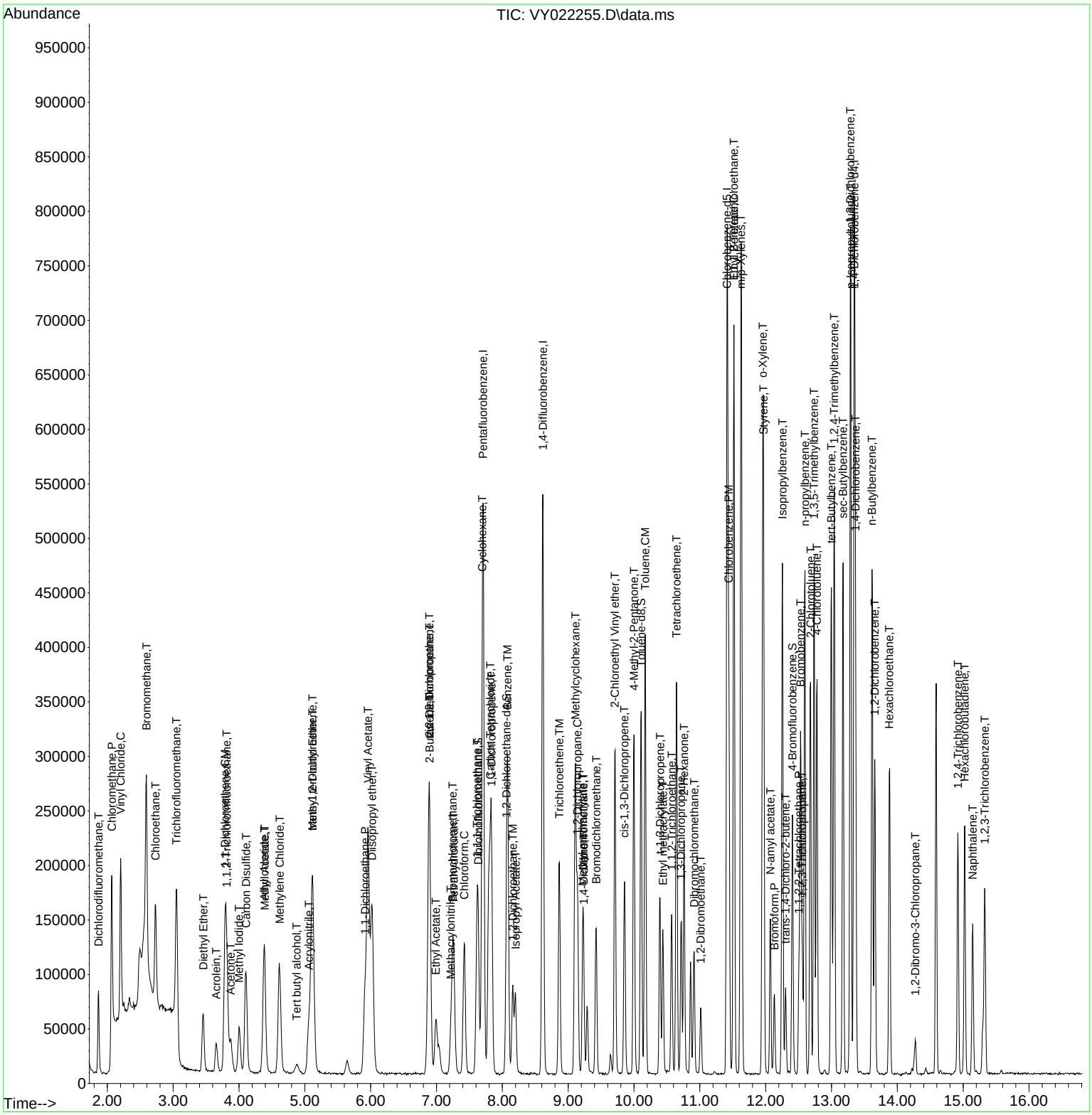
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022255.D
Acq On : 15 May 2025 10:39
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

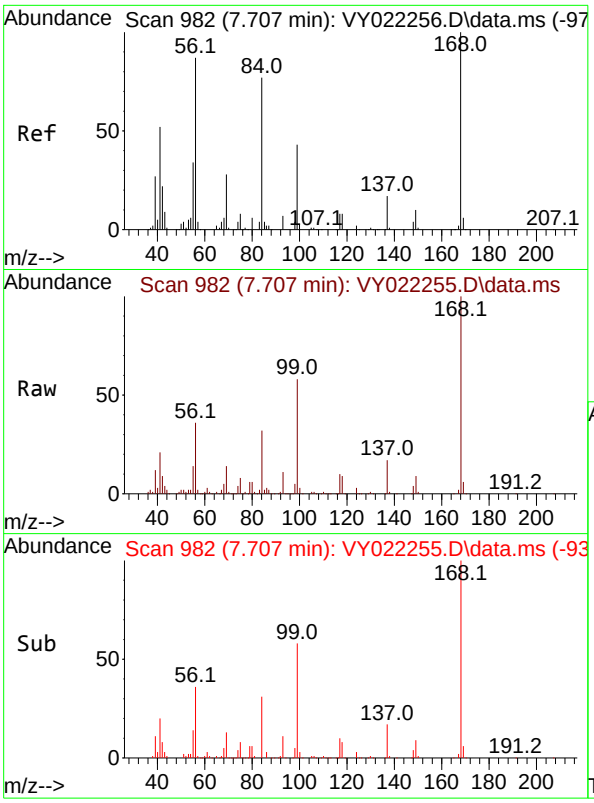
Quant Time: May 16 01:22:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

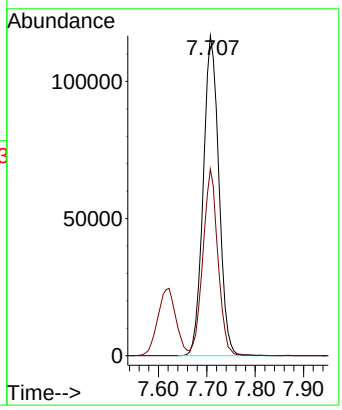




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:168 Resp: 26200

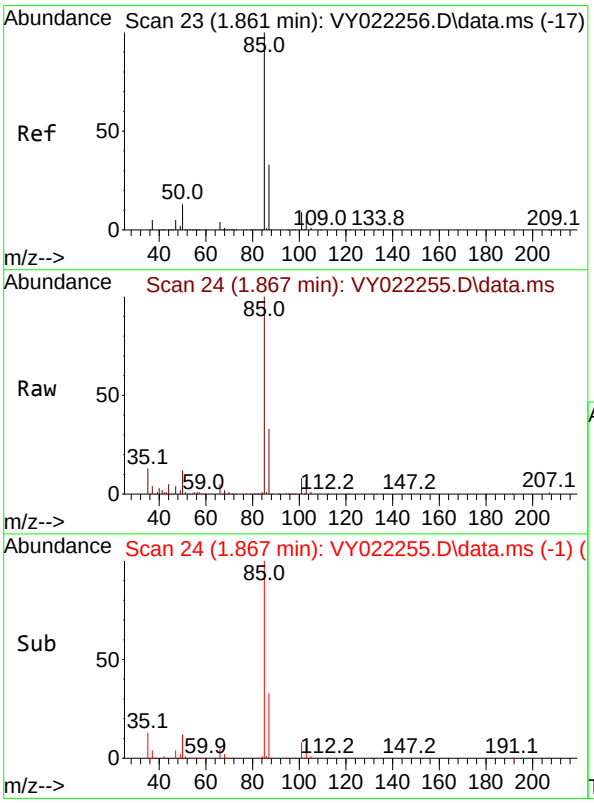
Ion	Ratio	Lower	Upper
168	100		
99	58.3	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

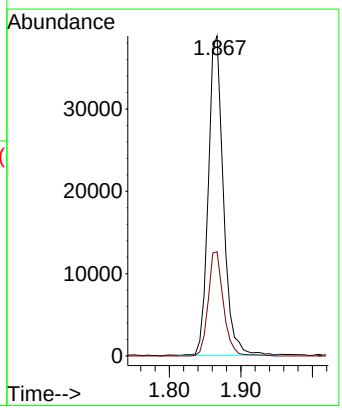
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

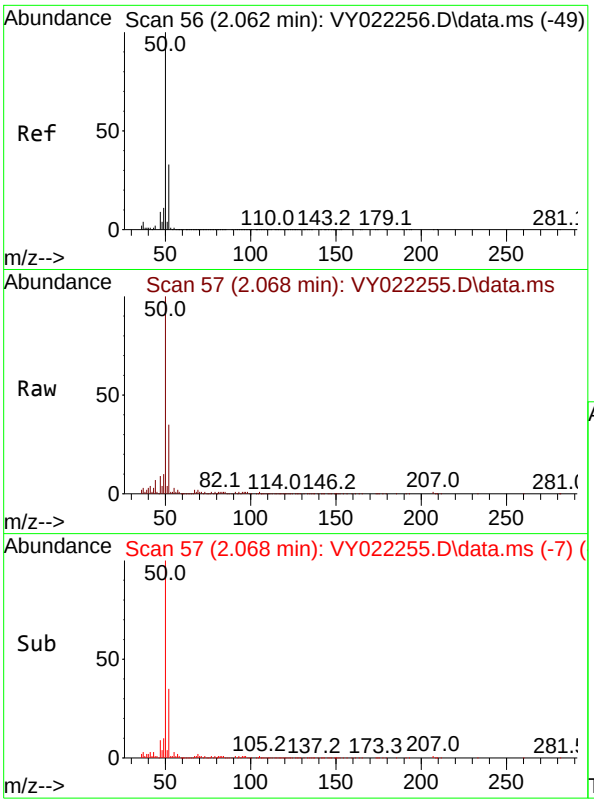


#2
Dichlorodifluoromethane
Concen: 20.753 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 85 Resp: 56737

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5

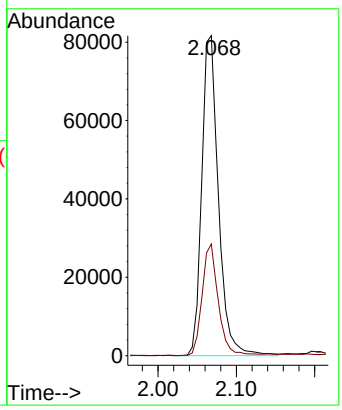




#3
Chloromethane
Concen: 21.008 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 50 Resp: 12081

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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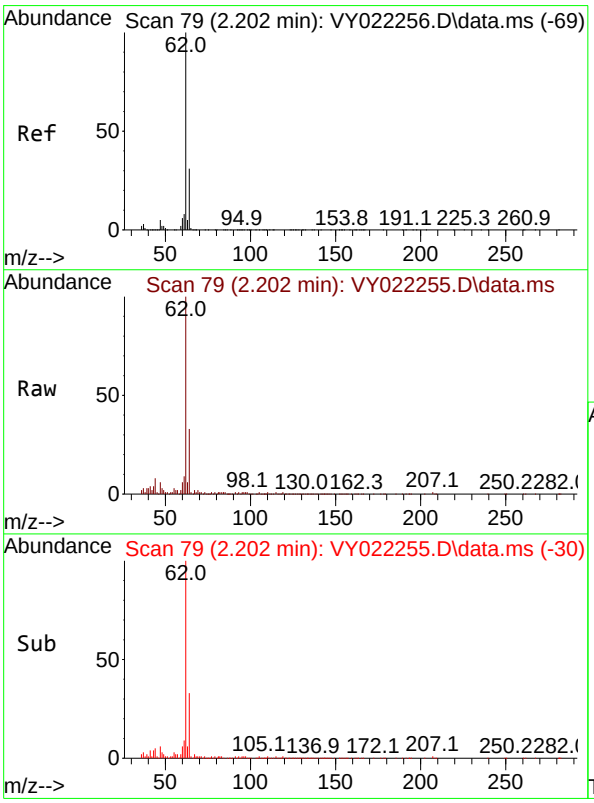
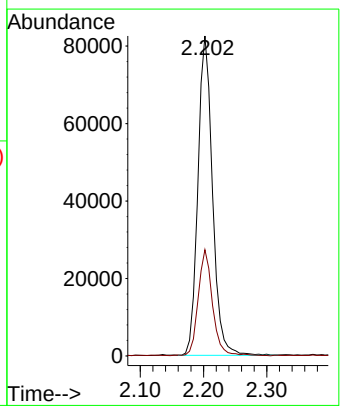
Supervised By :Semsettin Yesilyurt 05/16/2025

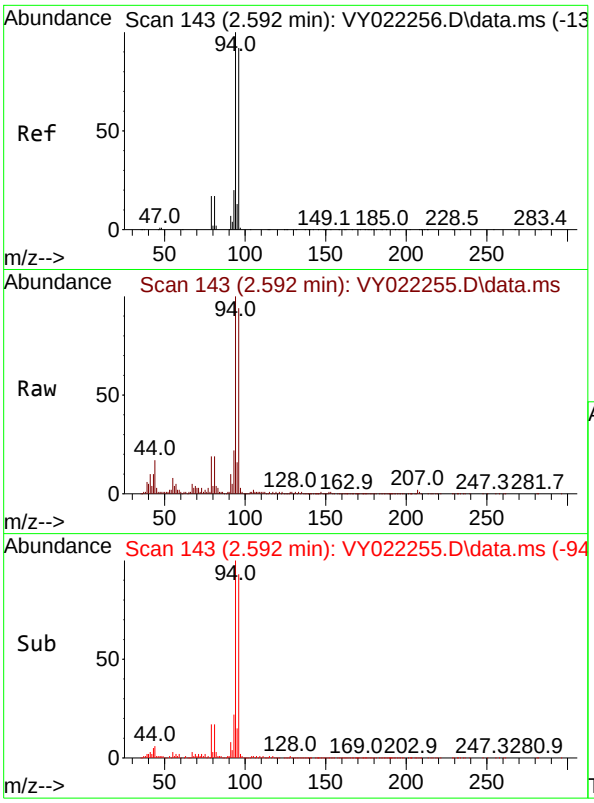


#4
Vinyl Chloride
Concen: 20.623 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 132511

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.5	36.7

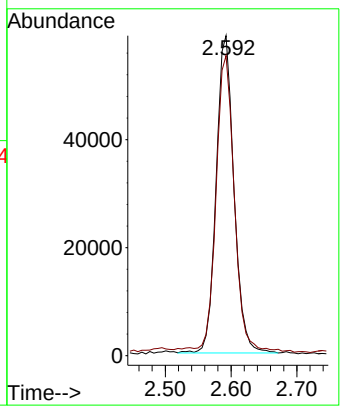




#5
Bromomethane
Concen: 21.194 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 94 Resp: 11085

Ion	Ratio	Lower	Upper
94	100		
96	92.6	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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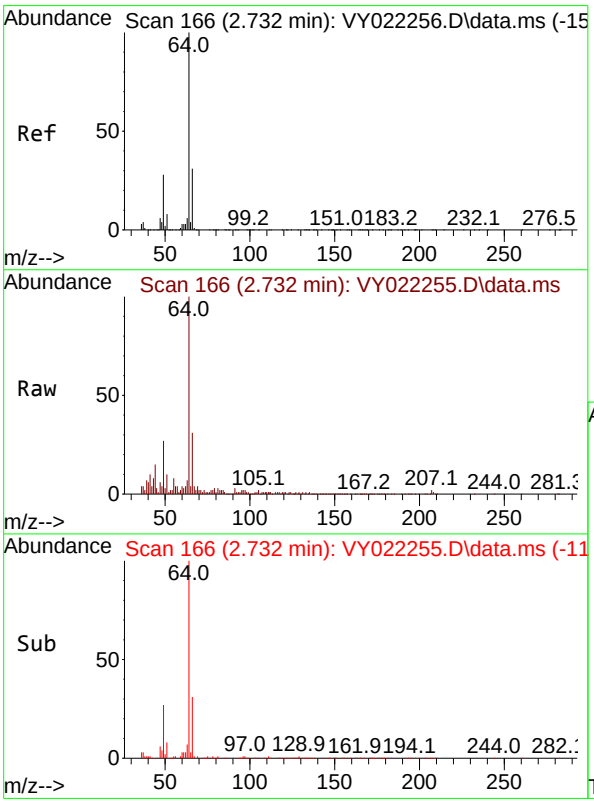
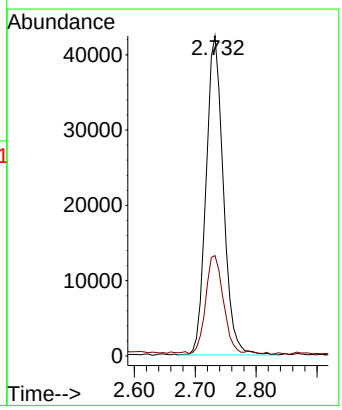
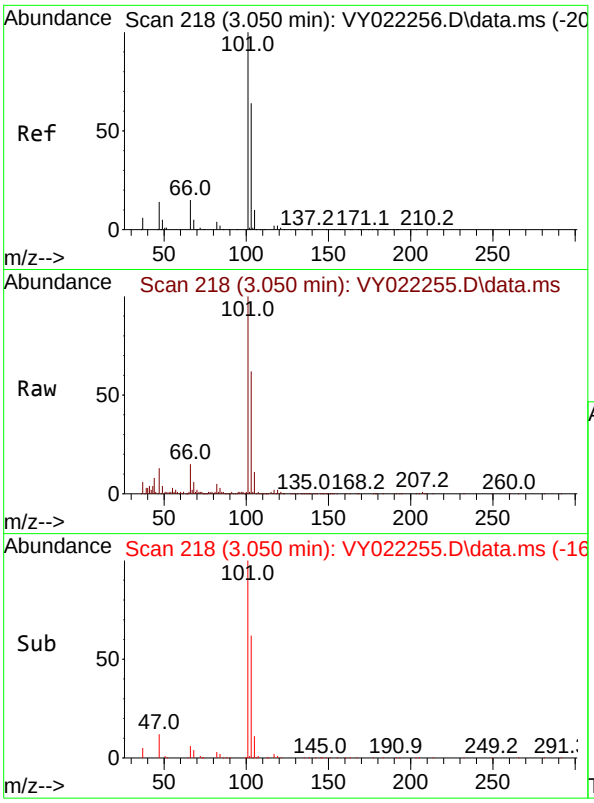


#6
Chloroethane
Concen: 20.877 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 64 Resp: 83451

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.8	37.2





#7
Trichlorofluoromethane
Concen: 20.295 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:101 Resp: 13202

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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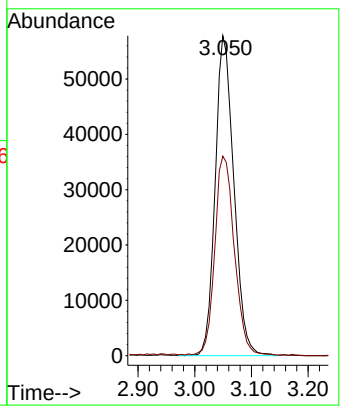
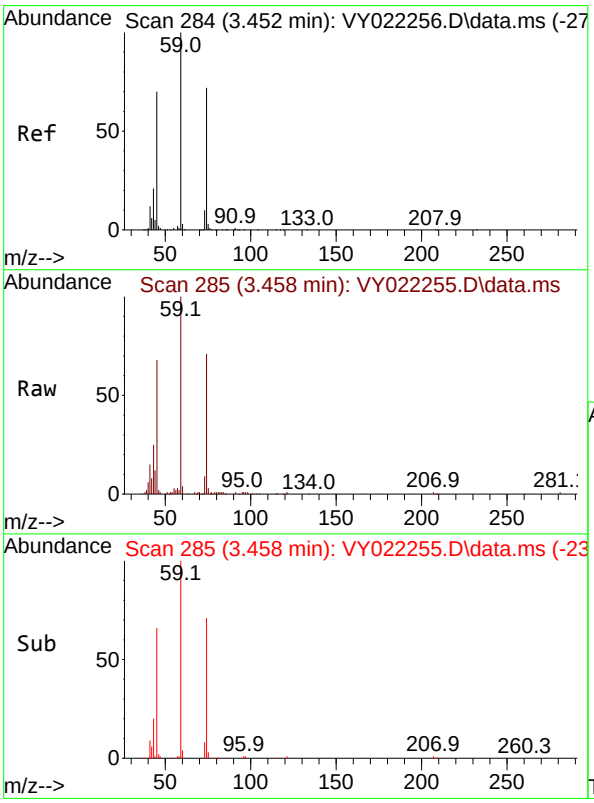
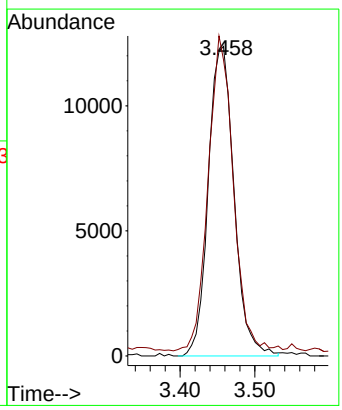


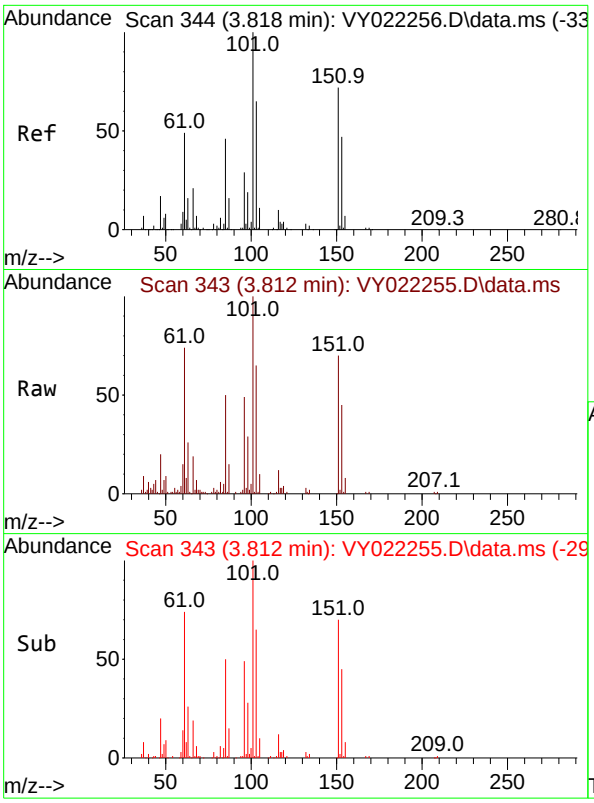


#8
Diethyl Ether
Concen: 18.993 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 74 Resp: 29651

Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.187 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:101 Resp: 5701

Ion	Ratio	Lower	Upper
101	100		
85	47.7	38.6	58.0
151	71.9	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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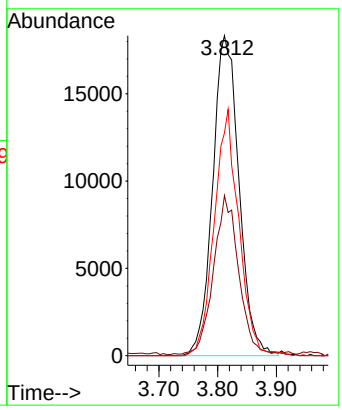
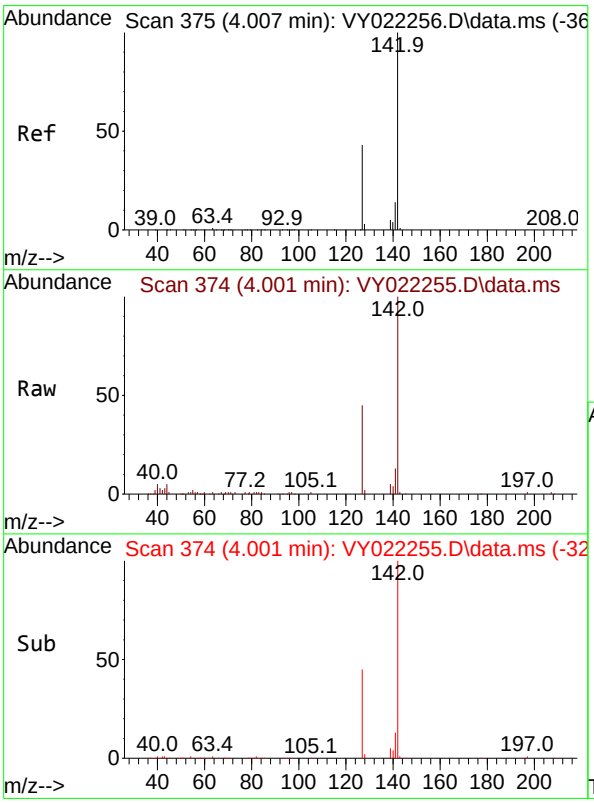
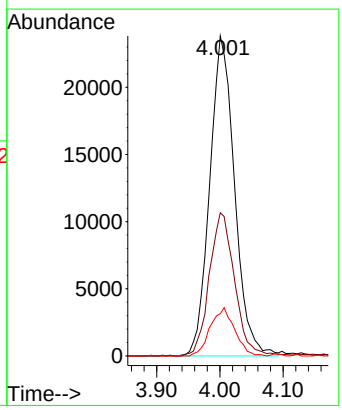


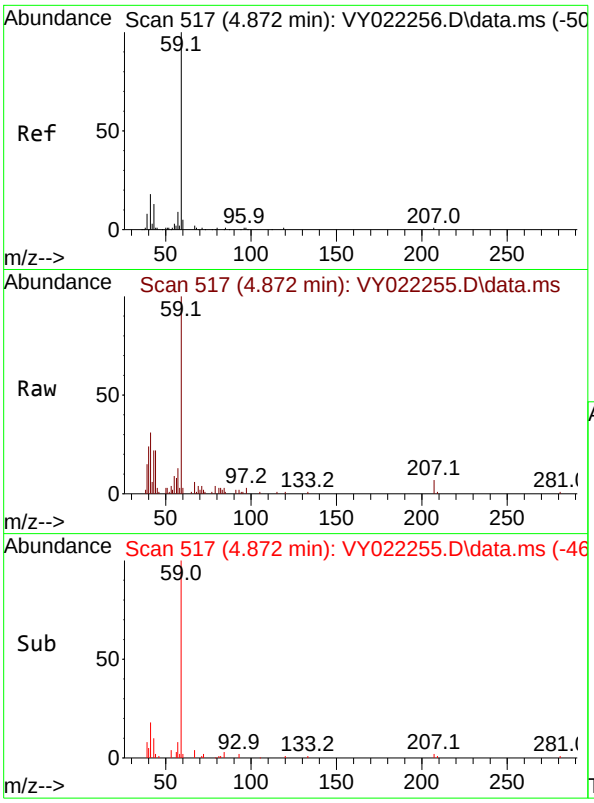


#10
Methyl Iodide
Concen: 19.891 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:142 Resp: 65018

Ion	Ratio	Lower	Upper
142	100		
127	45.5	35.7	53.5
141	14.8	11.1	16.7

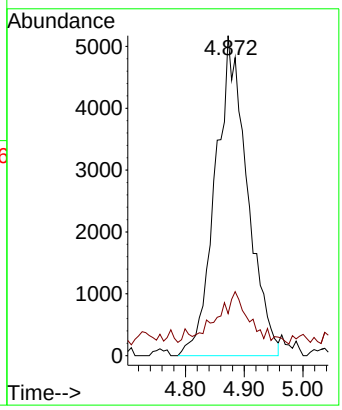




#11
Tert butyl alcohol
Concen: 89.565 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 59 Resp: 1958

Ion	Ratio	Lower	Upper
59	100		
57	16.5	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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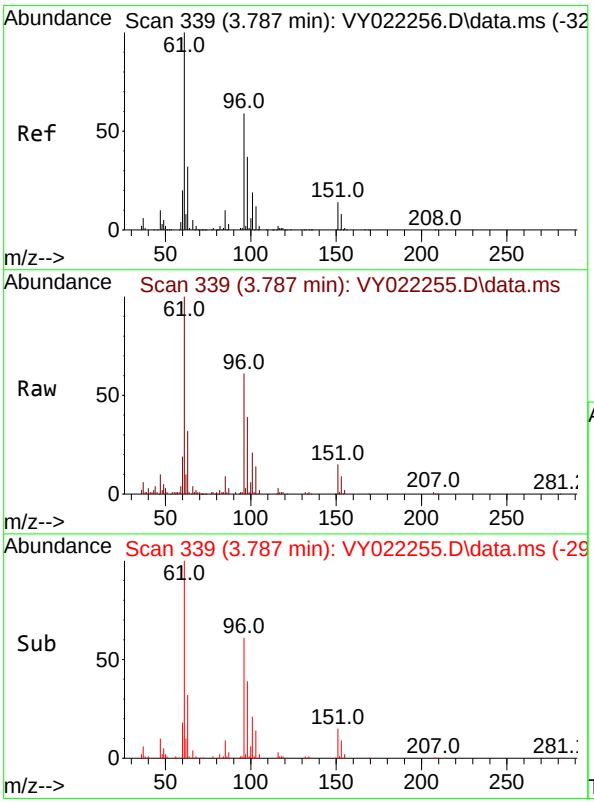
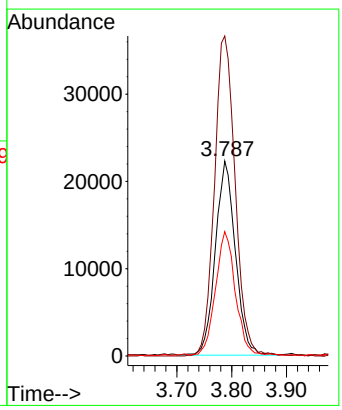
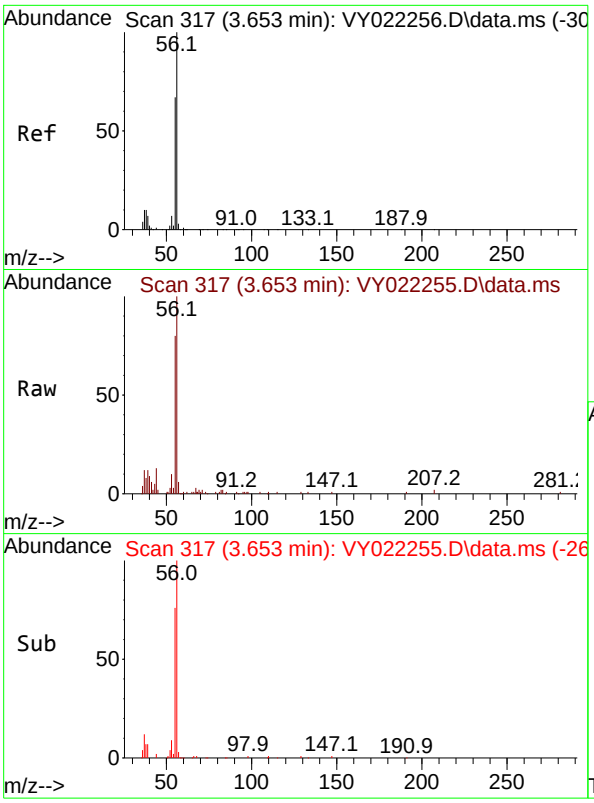


#12
1,1-Dichloroethene
Concen: 20.206 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 56630

Ion	Ratio	Lower	Upper
96	100		
61	164.8	134.9	202.3
98	63.5	49.9	74.9

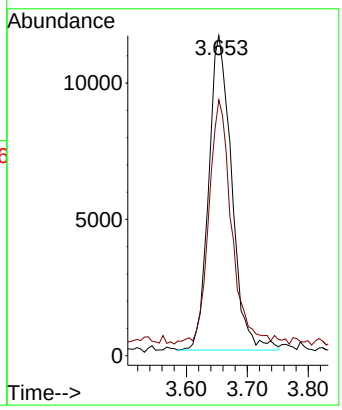




#13
Acrolein
Concen: 94.178 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 56 Resp: 3010

Ion	Ratio	Lower	Upper
56	100		
55	76.6	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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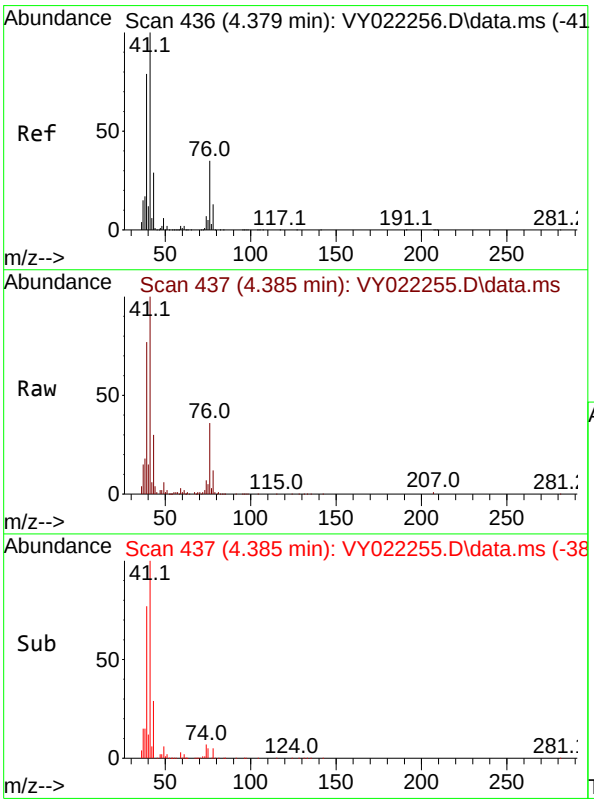
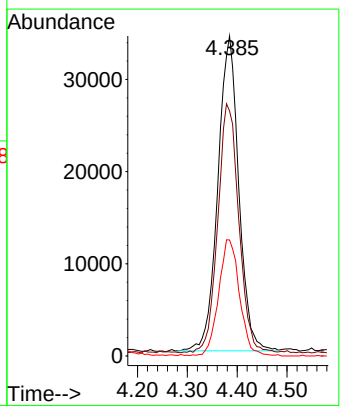
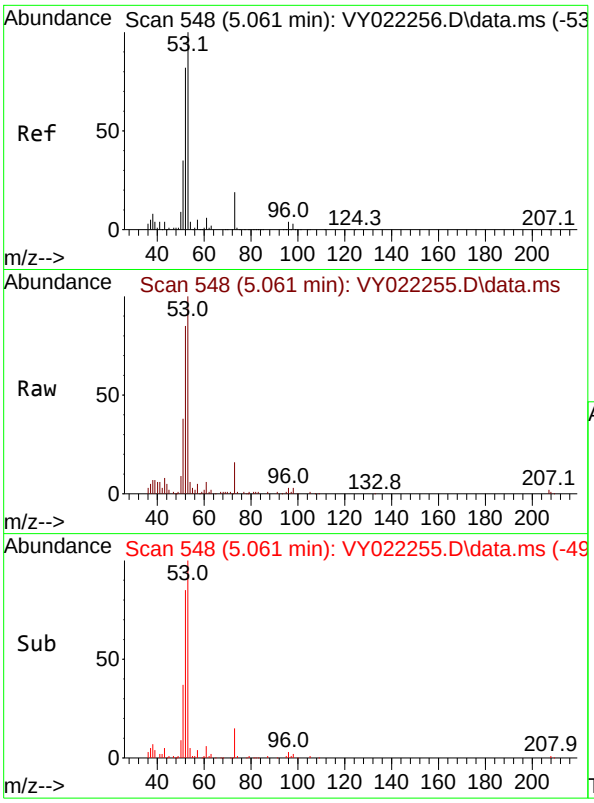


#14
Allyl chloride
Concen: 20.244 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 99483

Ion	Ratio	Lower	Upper
41	100		
39	79.7	63.4	95.0
76	37.1	29.5	44.3





#15
Acrylonitrile
Concen: 93.456 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 53 Resp: 6011

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.1	99.1
51	37.6	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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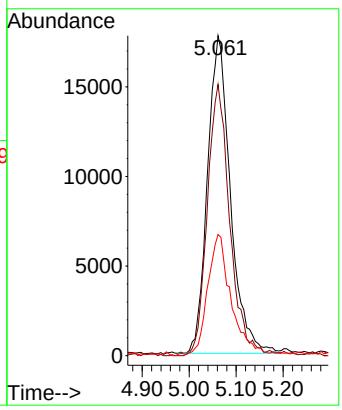
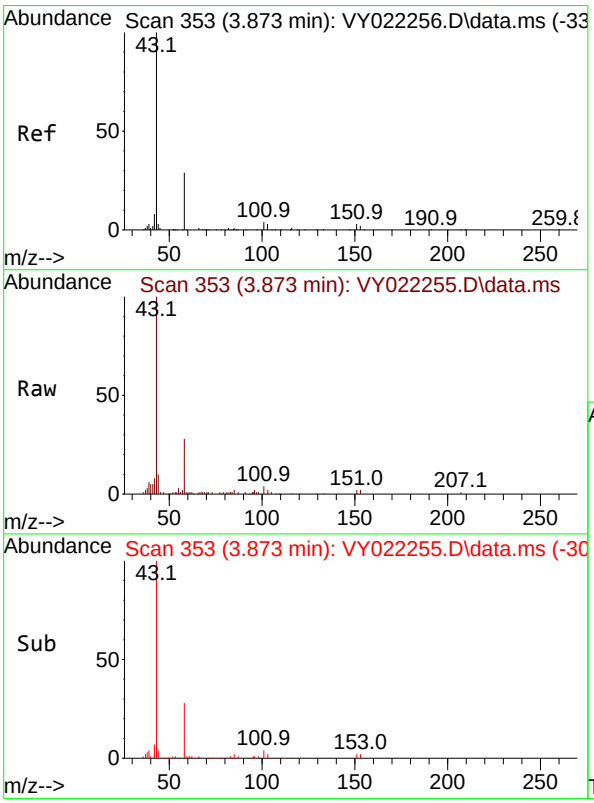
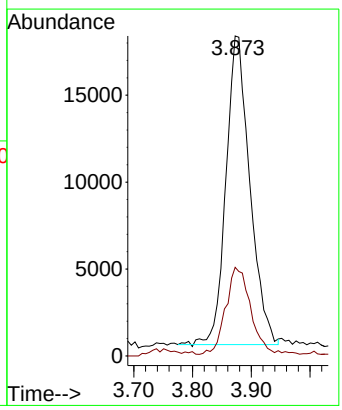


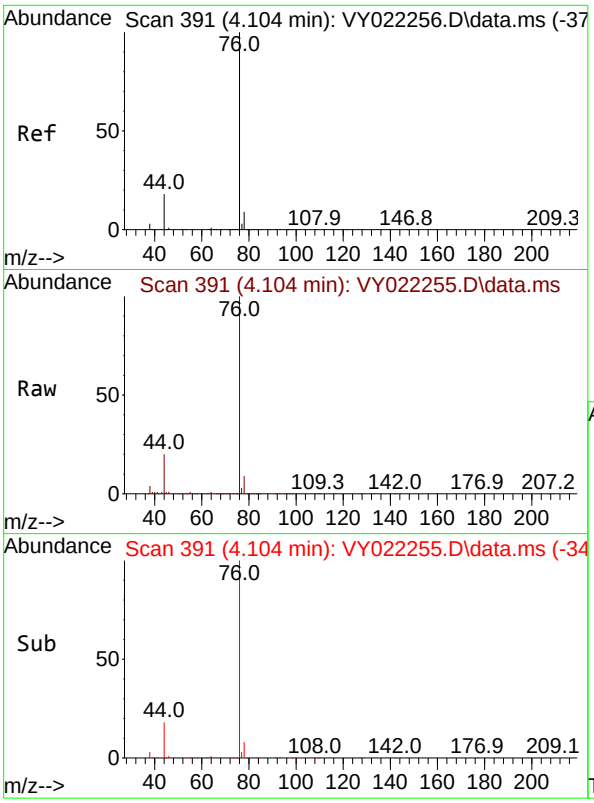


#16
Acetone
Concen: 93.491 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 50198

Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.6	35.4

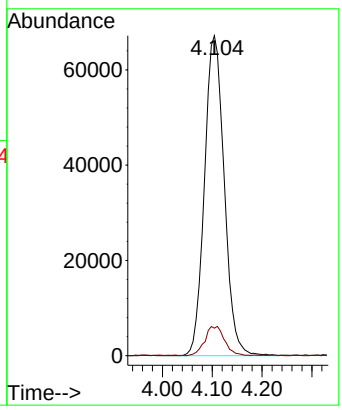




#17
Carbon Disulfide
Concen: 20.228 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 76 Resp: 18486

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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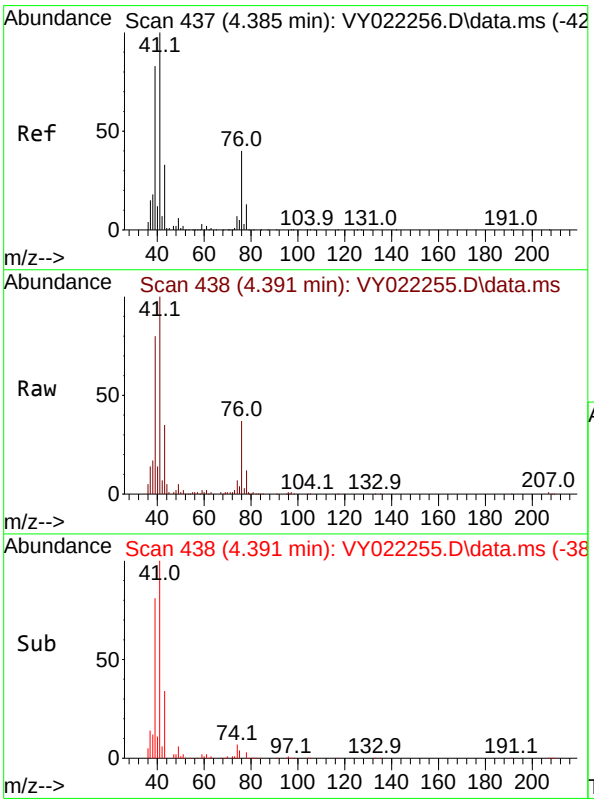
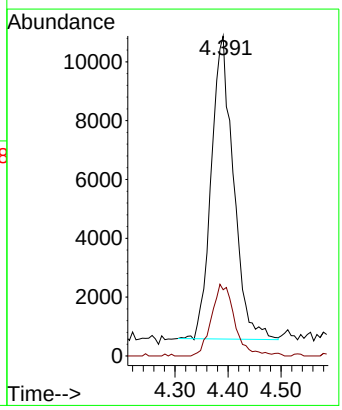
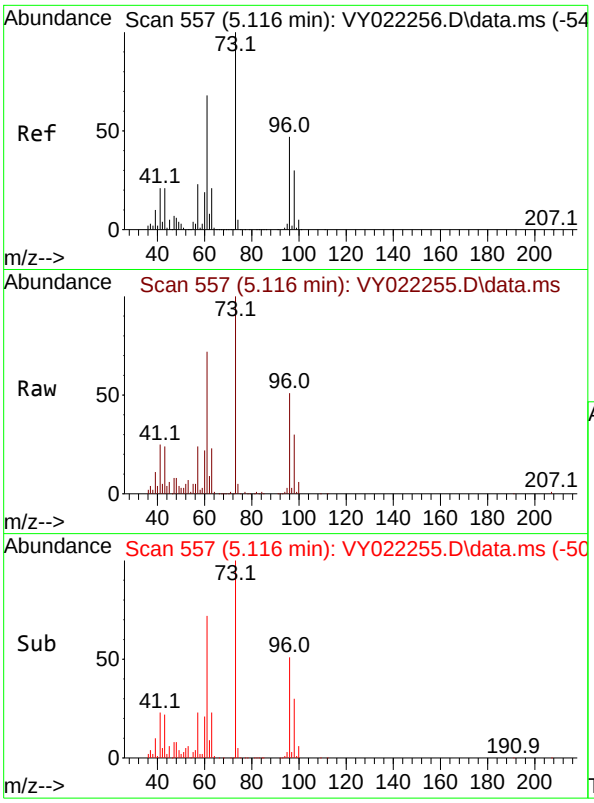


#18
Methyl Acetate
Concen: 18.344 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 29969

Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.2	27.4

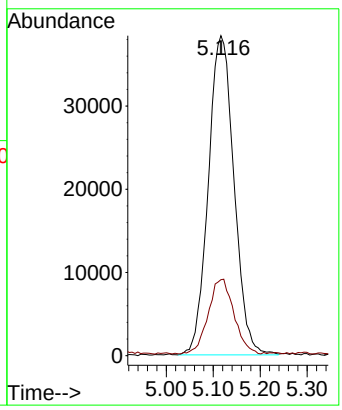




#19
Methyl tert-butyl Ether
Concen: 18.890 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 73 Resp: 14597

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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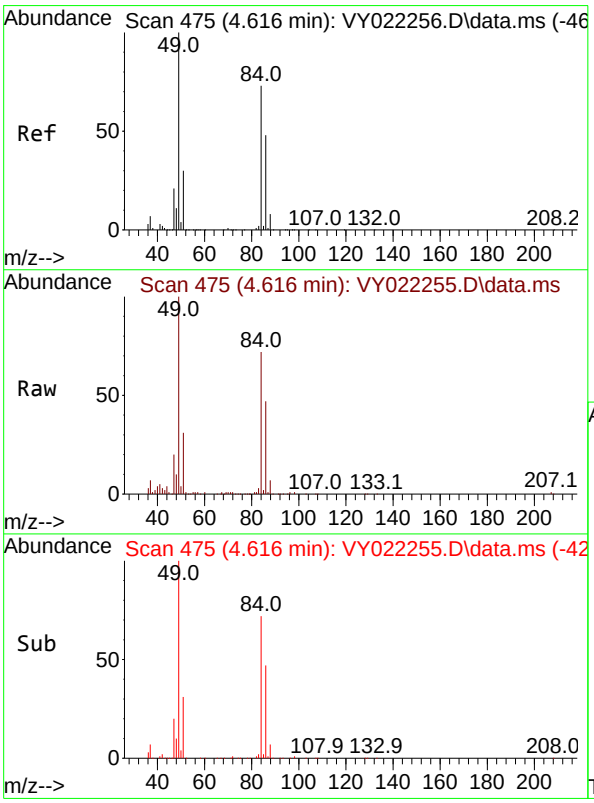
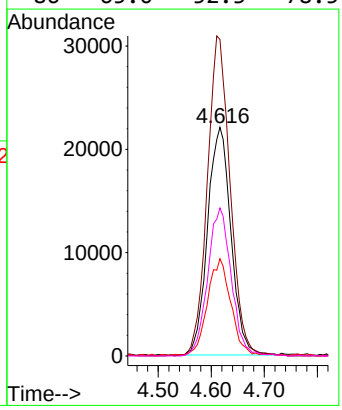
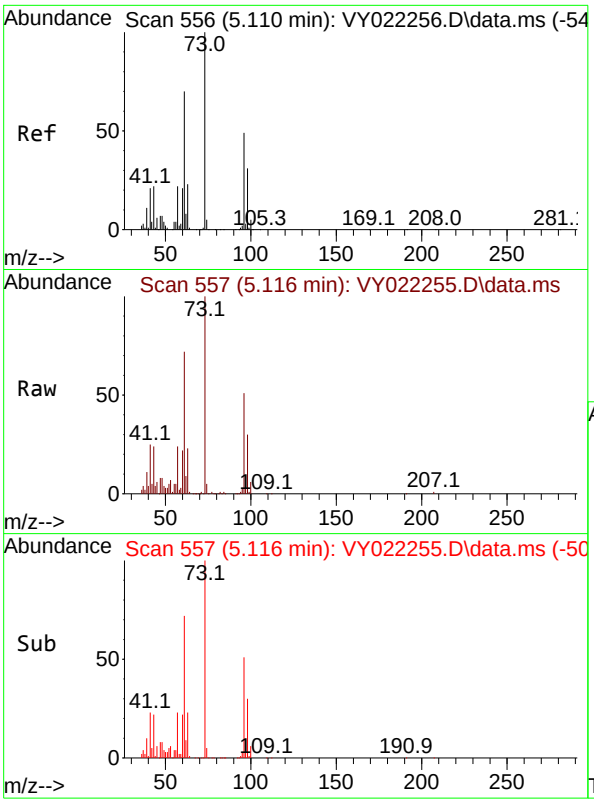


#20
Methylene Chloride
Concen: 19.510 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 84 Resp: 67687

Ion	Ratio	Lower	Upper
84	100		
49	138.7	109.6	164.4
51	42.3	32.4	48.6
86	65.0	52.3	78.5

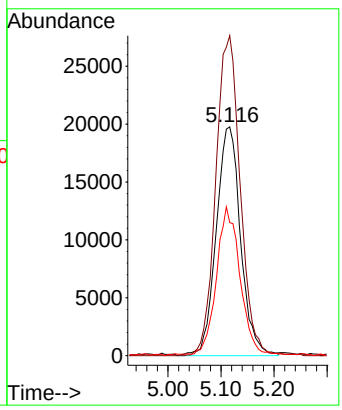




#21
trans-1,2-Dichloroethene
Concen: 20.422 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 6317

Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.4	170.0
98	57.5	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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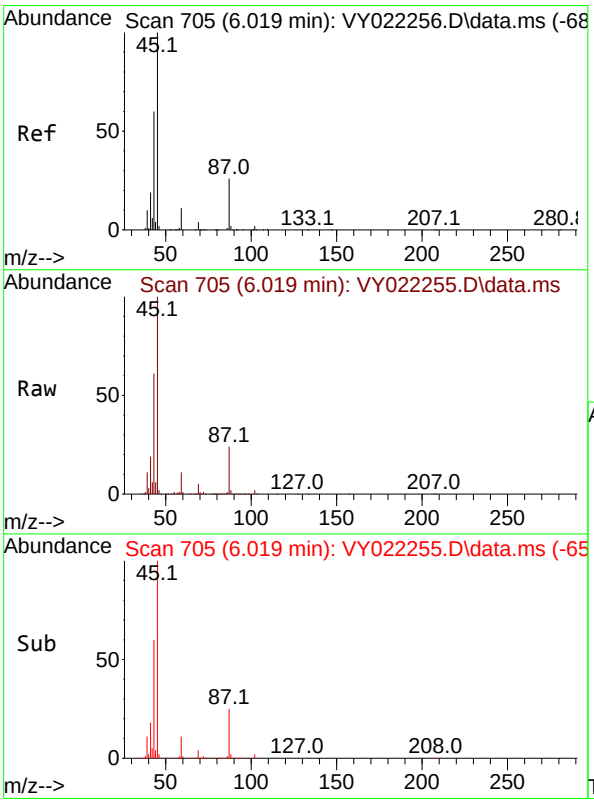
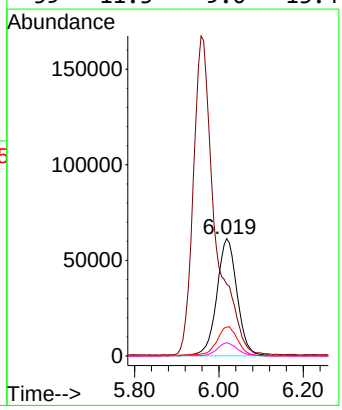
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

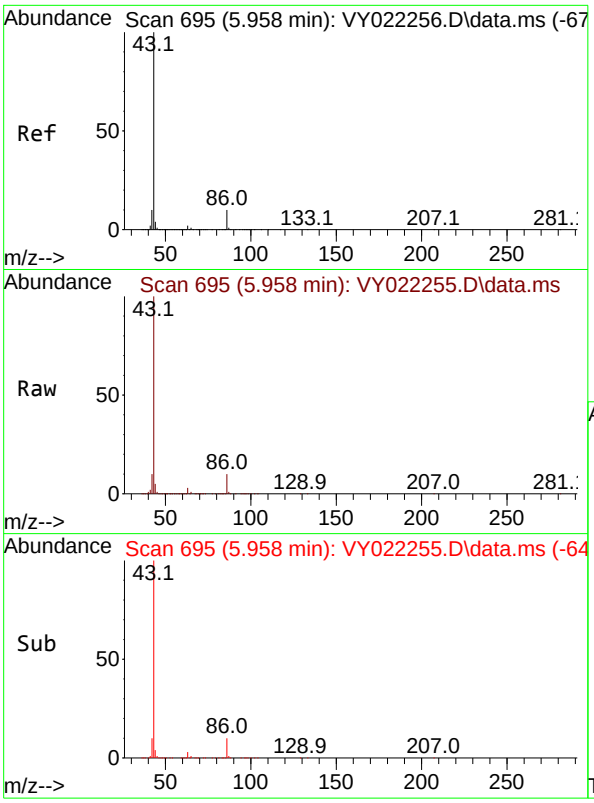


#22
Diisopropyl ether
Concen: 19.558 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 45 Resp: 202960

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	24.5	21.4	32.0
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 94.748 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 59401

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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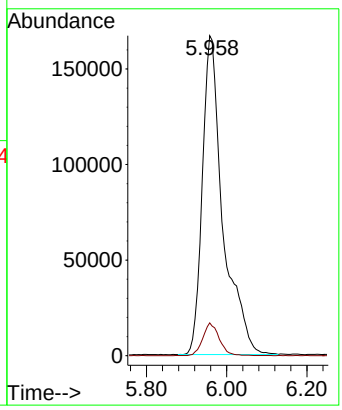
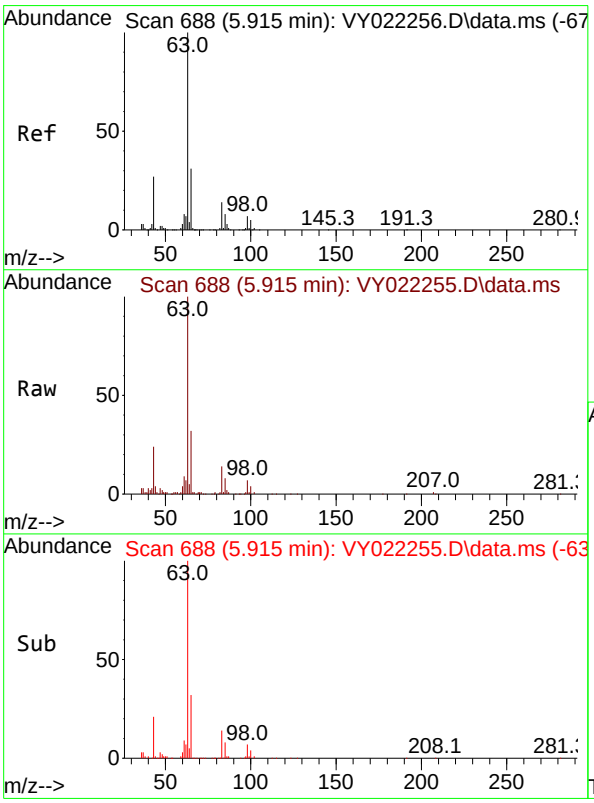
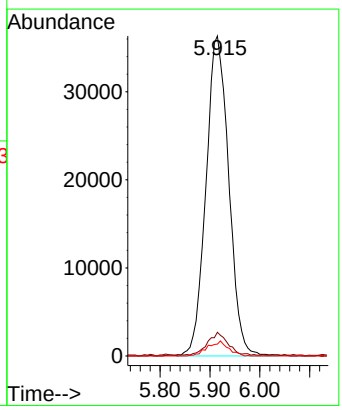


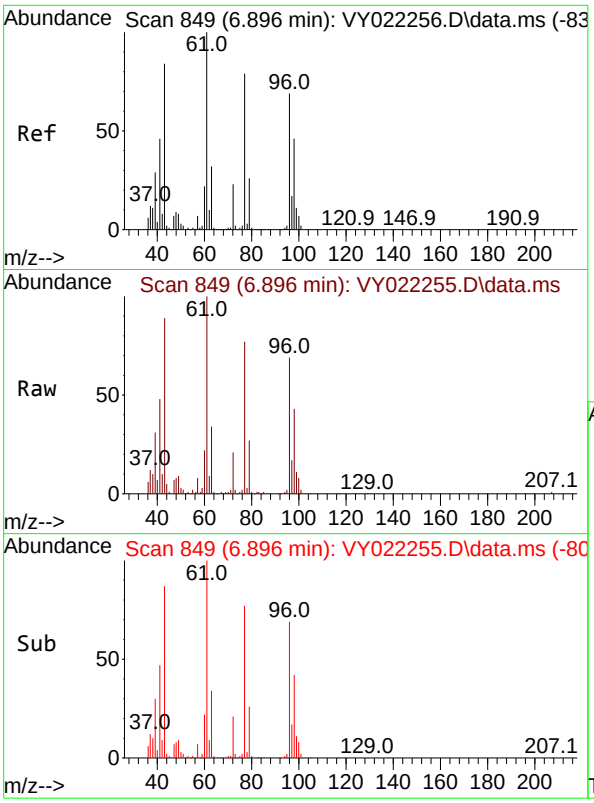


#24
1,1-Dichloroethane
Concen: 19.873 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 115217

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	3.7	2.4	7.2





#25
2-Butanone
Concen: 92.157 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 8276

Ion	Ratio	Lower	Upper
43	100		
72	24.1	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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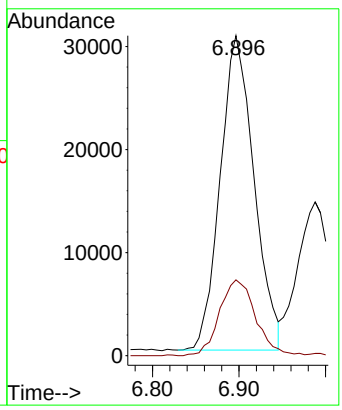
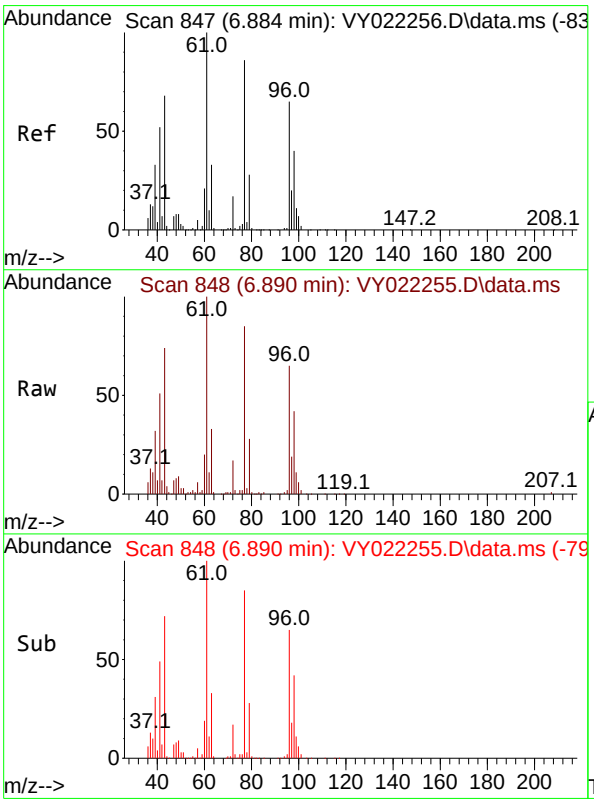
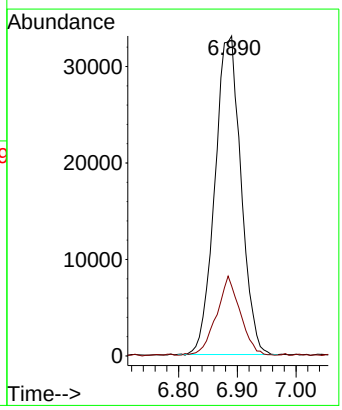


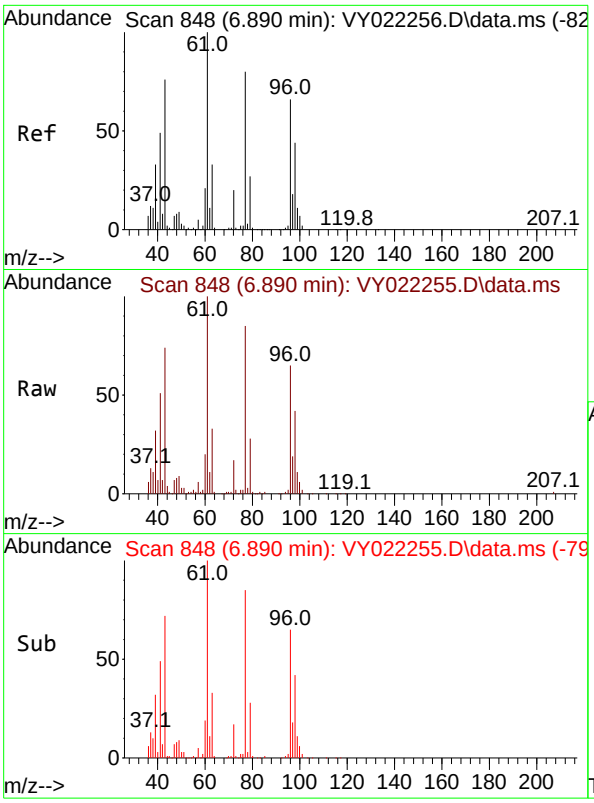


#26
2,2-Dichloropropane
Concen: 19.727 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 77 Resp: 101725

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 19.611 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 96 Resp: 7000

Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	302.6
98	64.1	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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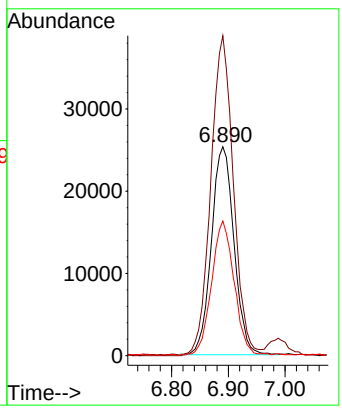
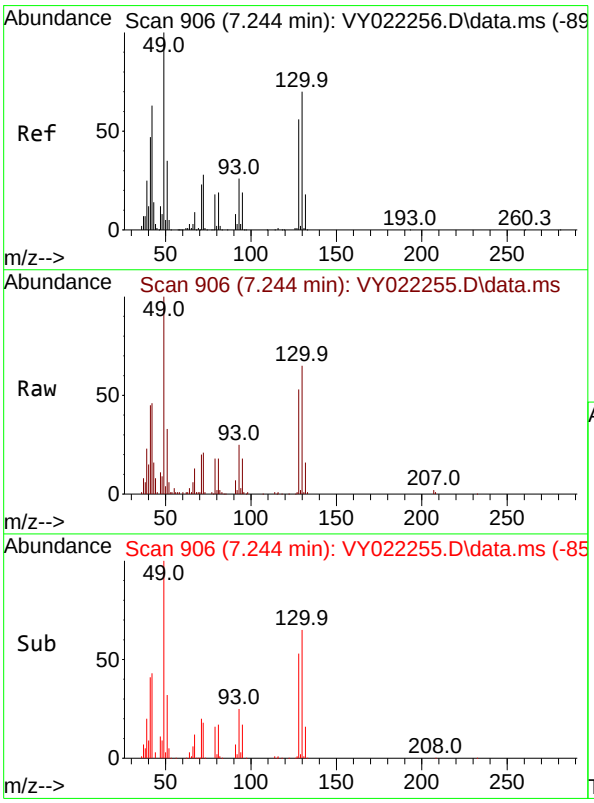
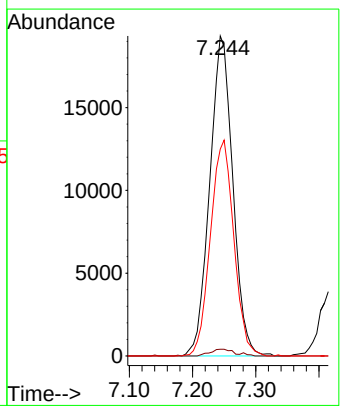


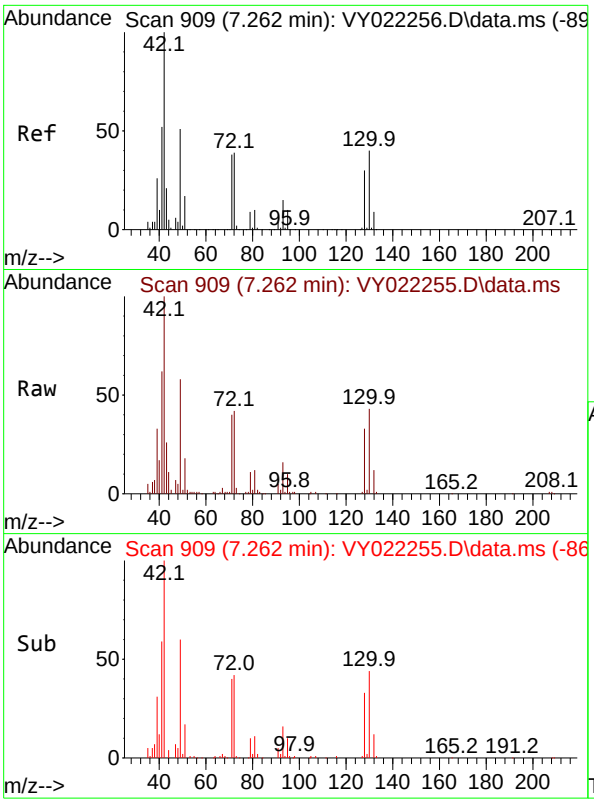


#28
Bromochloromethane
Concen: 19.787 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 49 Resp: 48933

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	68.4	54.7	82.1





#29
Tetrahydrofuran
Concen: 92.122 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 42 Resp: 5322

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	41.5	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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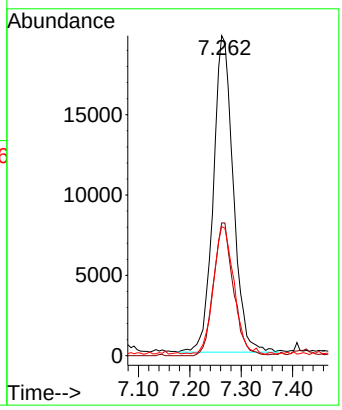
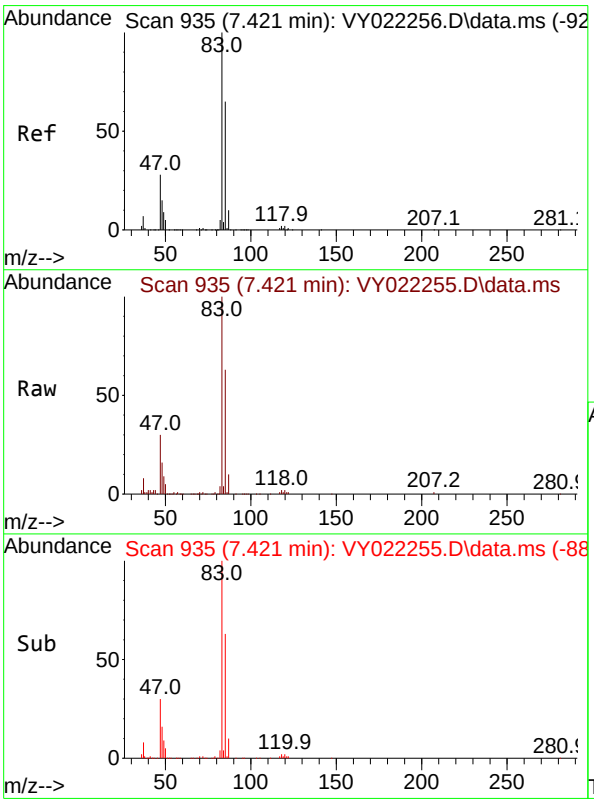
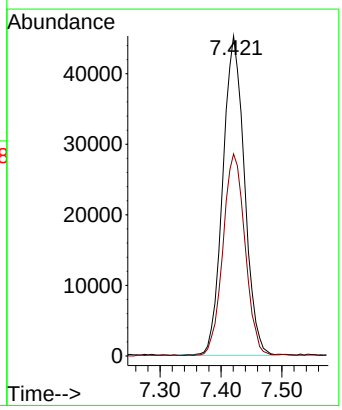


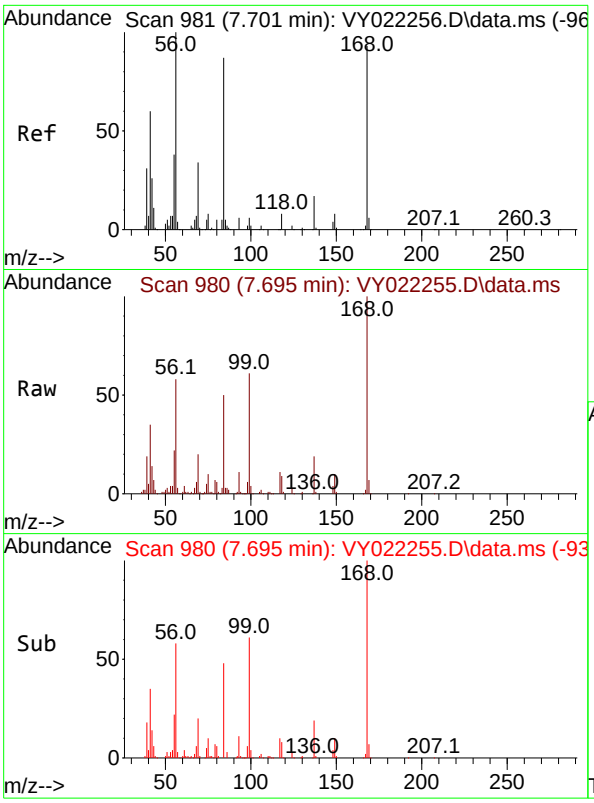


#30
Chloroform
Concen: 20.107 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 111815

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8

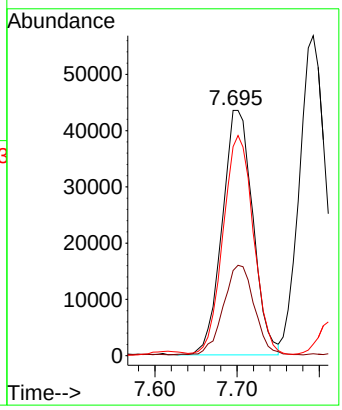




#31
Cyclohexane
Concen: 19.486 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 56 Resp: 11287

Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.4	41.2
84	84.0	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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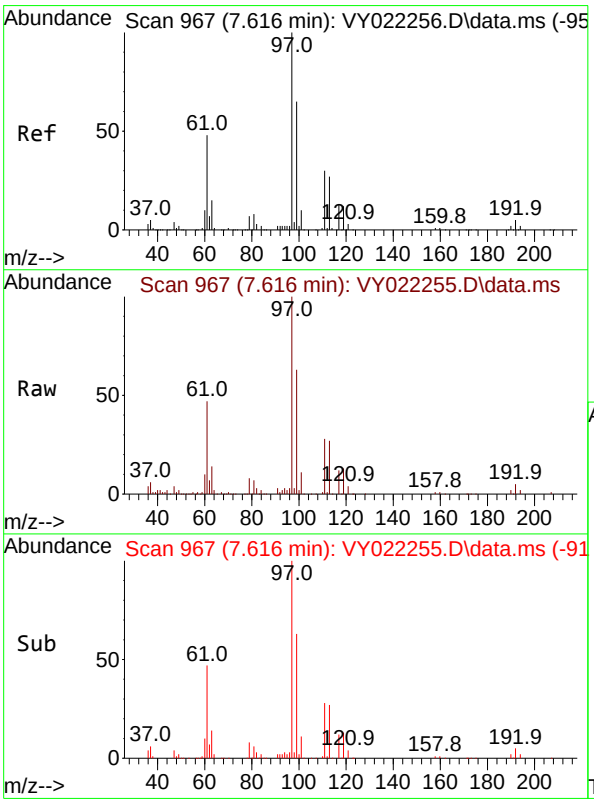
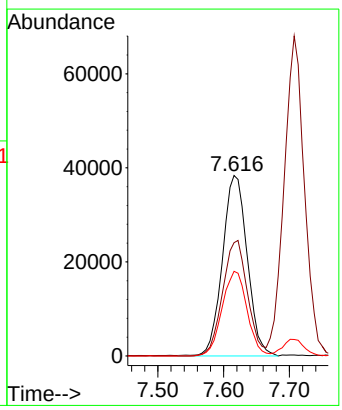
Supervised By :Semsettin Yesilyurt 05/16/2025

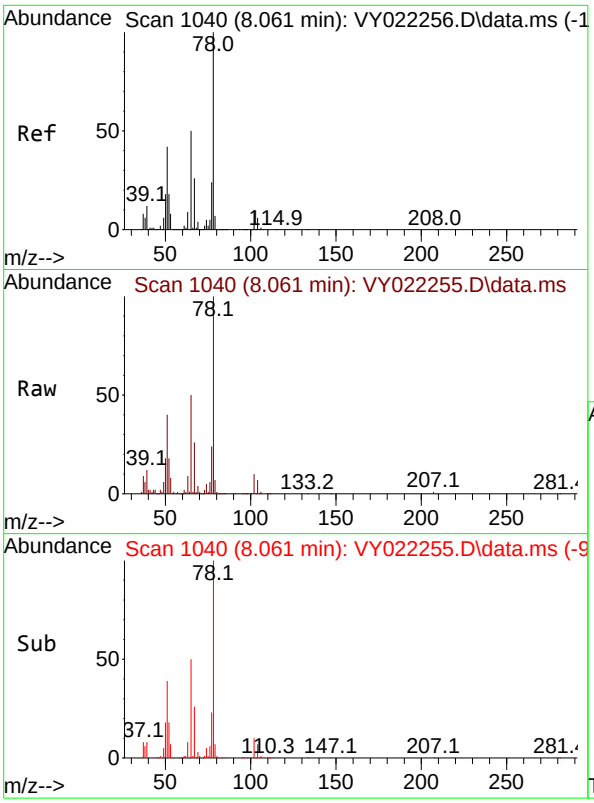


#32
1,1,1-Trichloroethane
Concen: 19.721 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 97 Resp: 100618

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.2	38.1	57.1

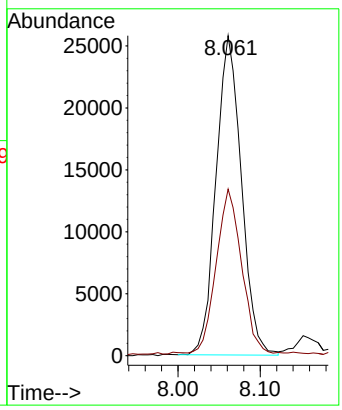




#33
1,2-Dichloroethane-d4
Concen: 19.284 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 65 Resp: 5522

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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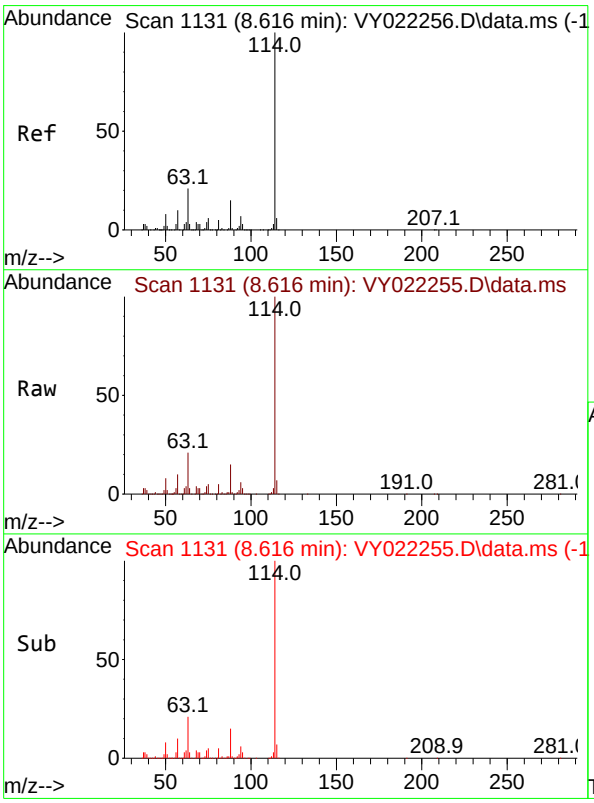
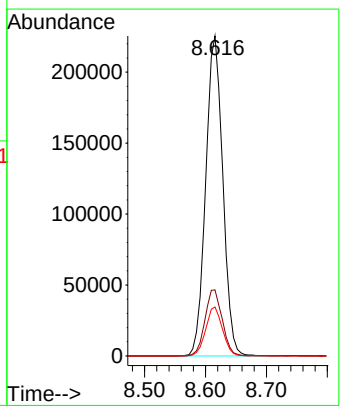
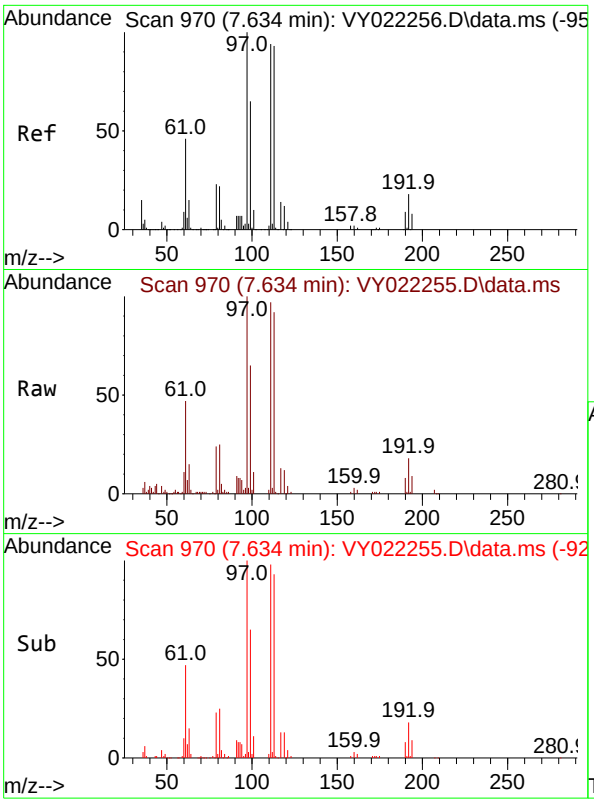


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:114 Resp: 439816

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.3	0.0	29.4





#35
Dibromofluoromethane
Concen: 19.683 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:113 Resp: 5167

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.5	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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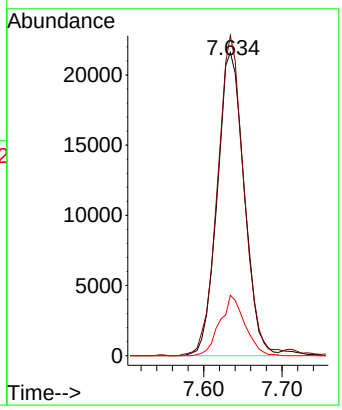
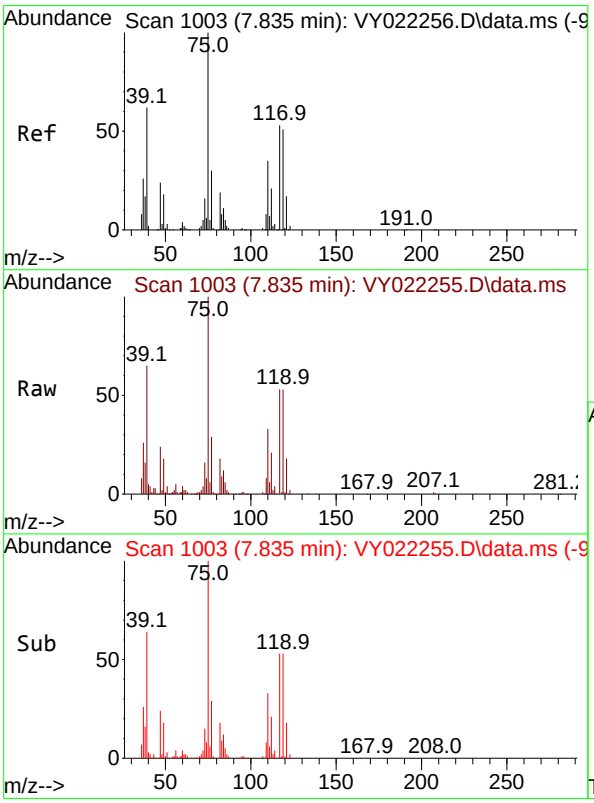
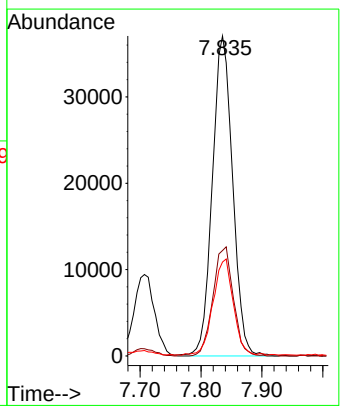


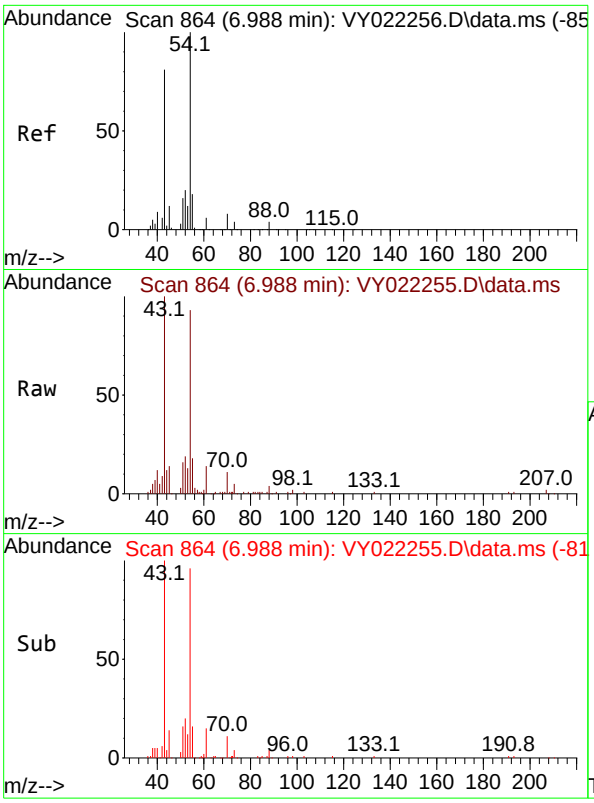


#36
1,1-Dichloropropene
Concen: 19.841 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 85789

Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.6	49.8
77	30.2	24.6	37.0





#37
Ethyl Acetate
Concen: 18.497 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 3848

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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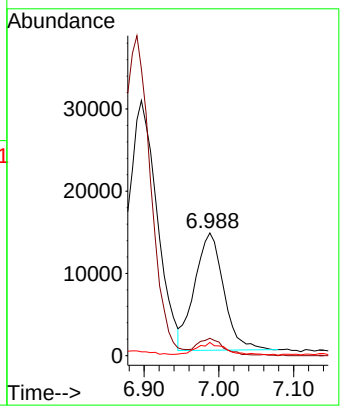
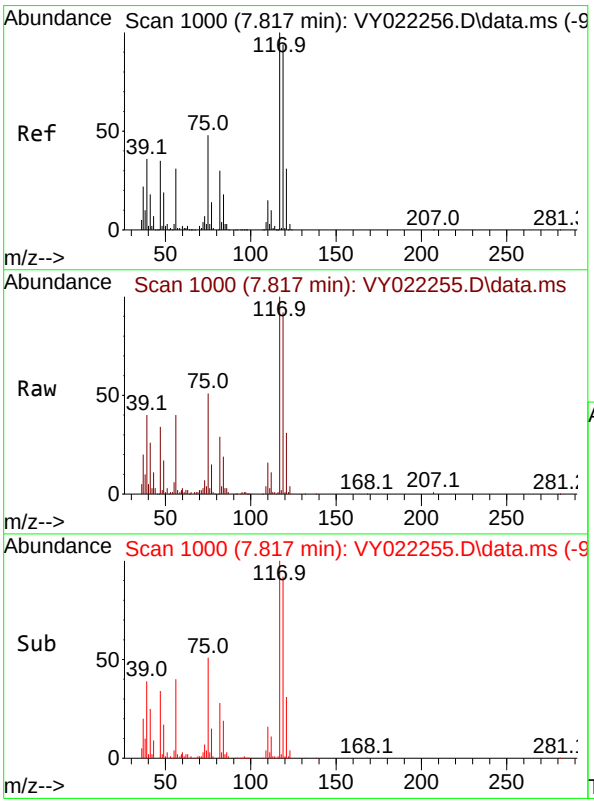
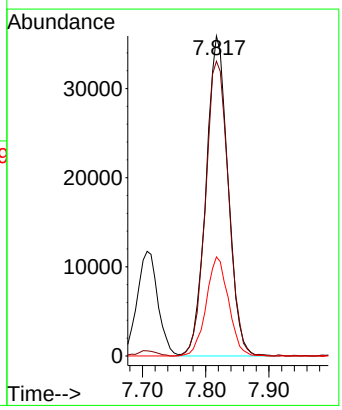


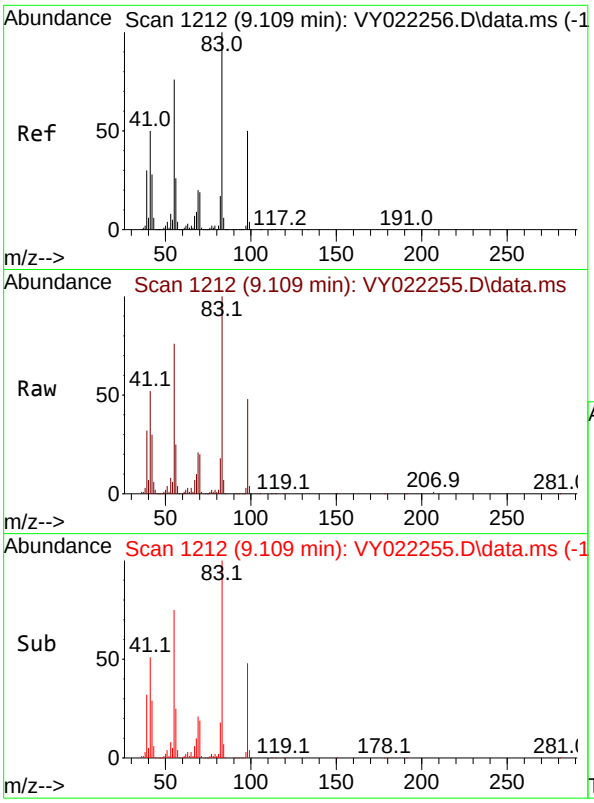


#38
Carbon Tetrachloride
Concen: 19.410 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 86871

Ion	Ratio	Lower	Upper
117	100		
119	91.9	75.3	112.9
121	31.0	24.7	37.1





#39
Methylcyclohexane
Concen: 19.540 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 11351

Ion	Ratio	Lower	Upper
83	100		
55	75.2	60.6	90.8
98	47.9	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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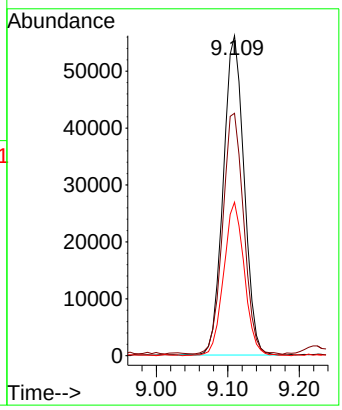
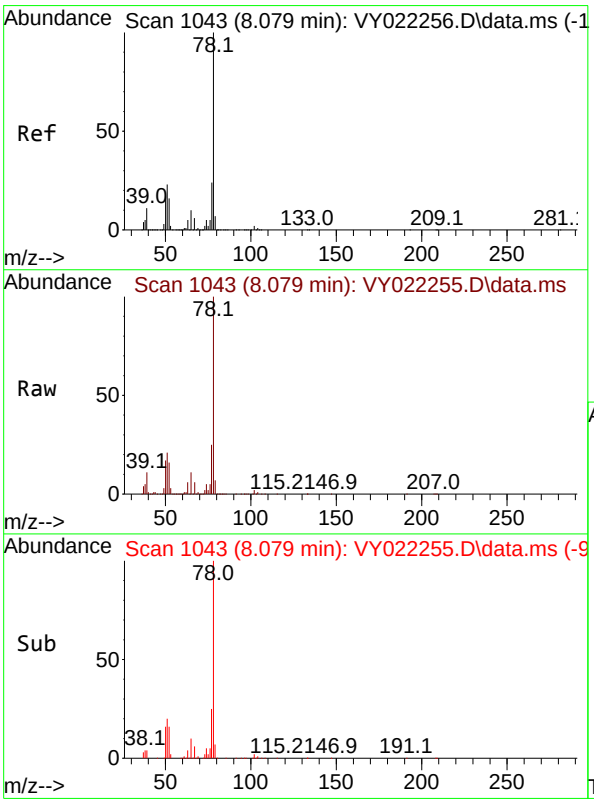
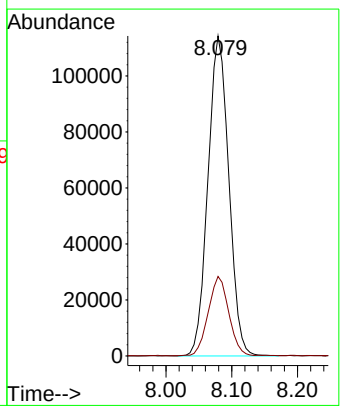


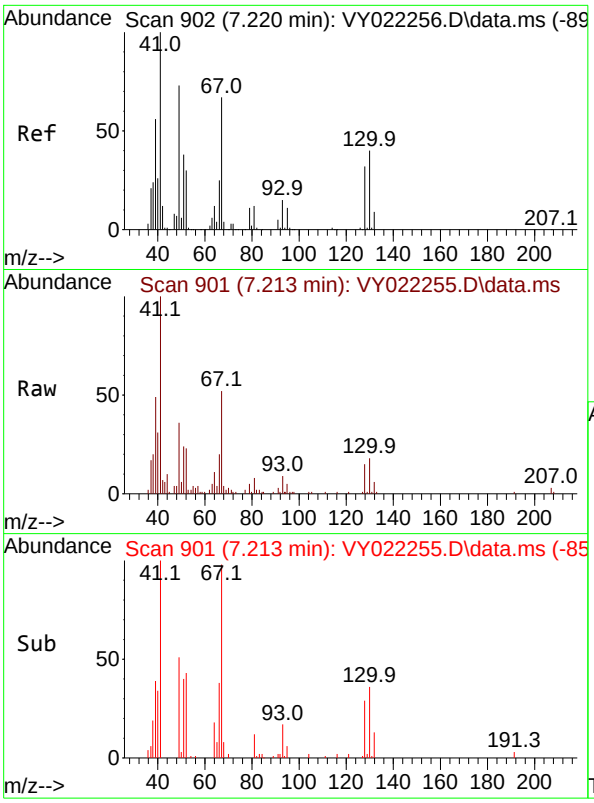


#40
Benzene
Concen: 19.700 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 78 Resp: 252507

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3

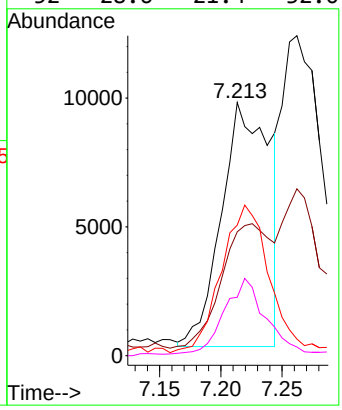




#41
Methacrylonitrile
Concen: 17.085 ug/l m
RT: 7.213 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 2600

Ion	Ratio	Lower	Upper
41	100		
39	53.1	39.1	58.7
67	60.9	47.1	70.7
52	28.6	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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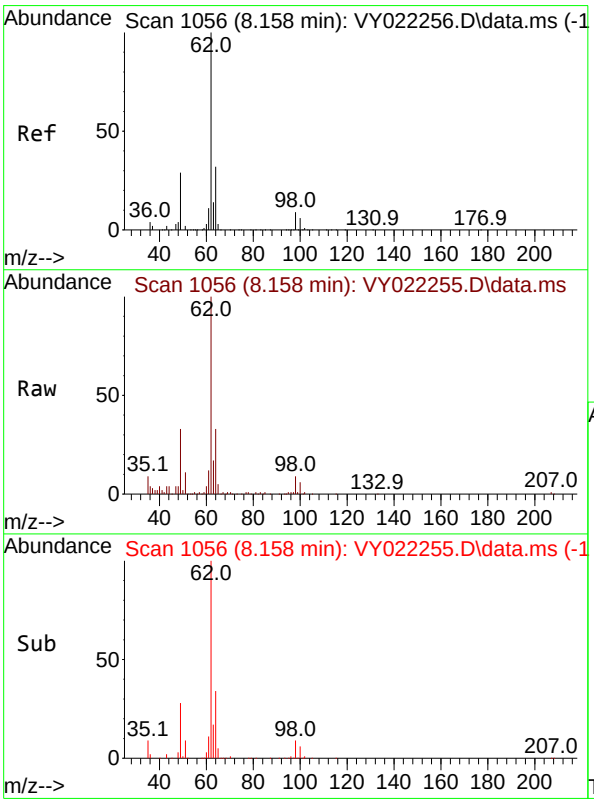
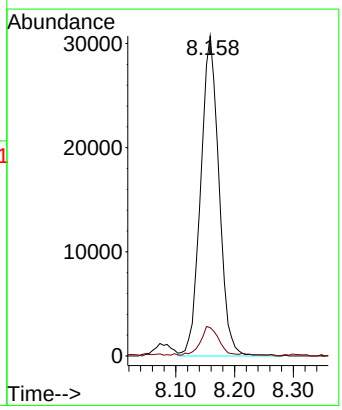
Supervised By :Semsettin Yesilyurt 05/16/2025

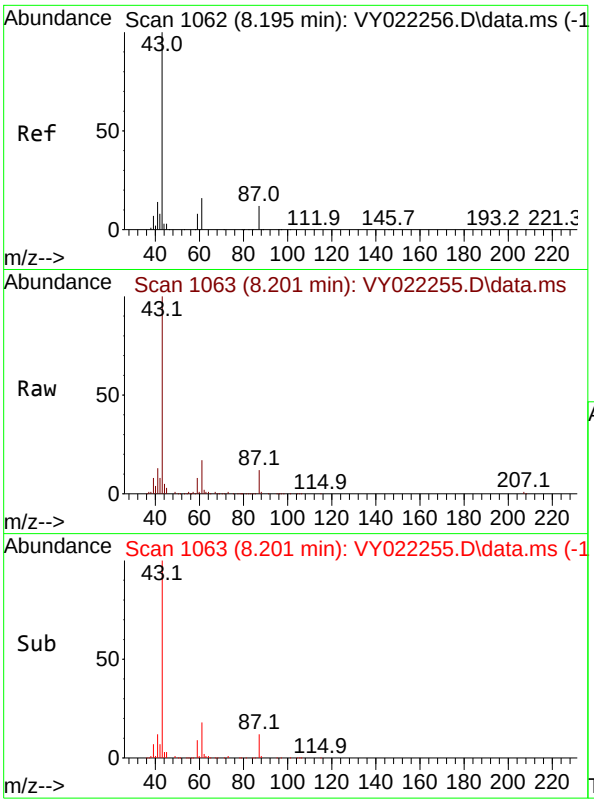


#42
1,2-Dichloroethane
Concen: 19.192 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 62 Resp: 66525

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





#43
Isopropyl Acetate
Concen: 18.631 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 8453

Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.1	22.7
87	12.3	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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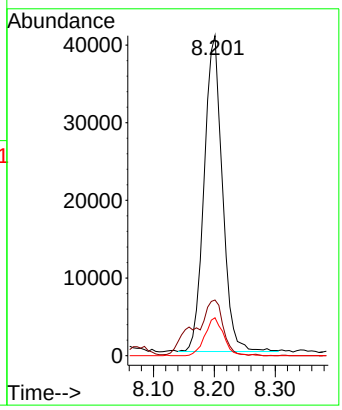
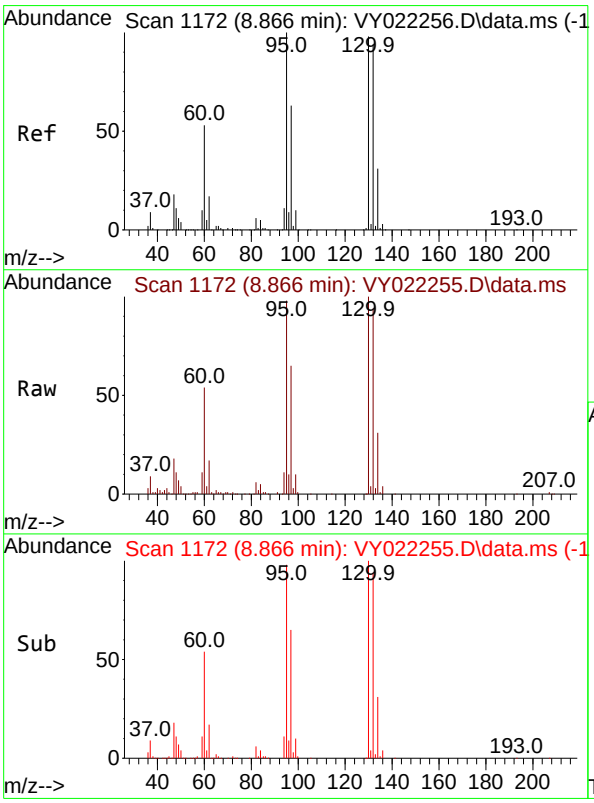
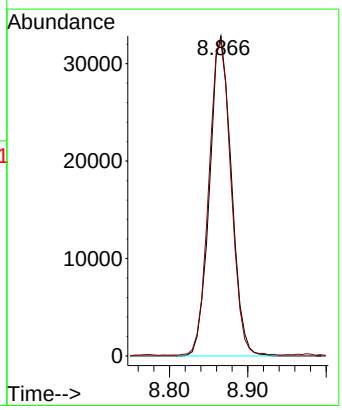


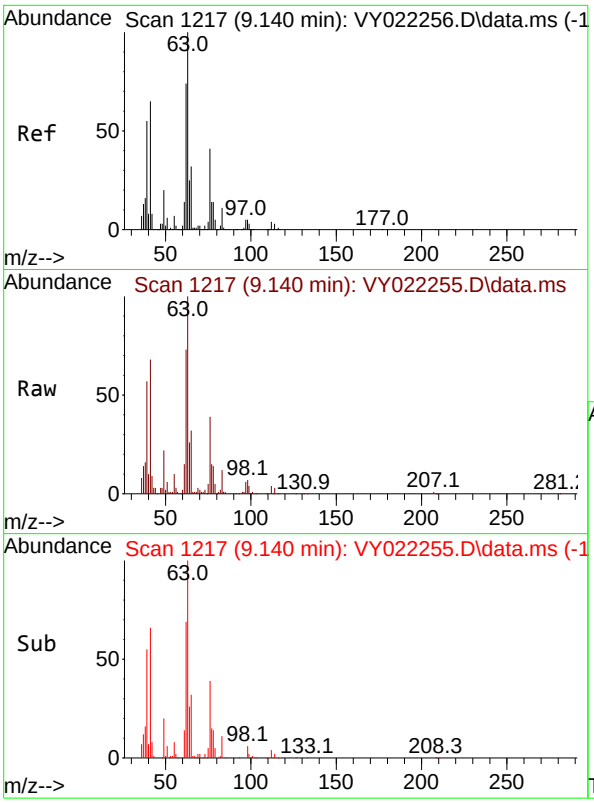


#44
Trichloroethene
Concen: 19.904 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:130 Resp: 63438

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	204.8





#45
1,2-Dichloropropane
Concen: 19.557 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 6043

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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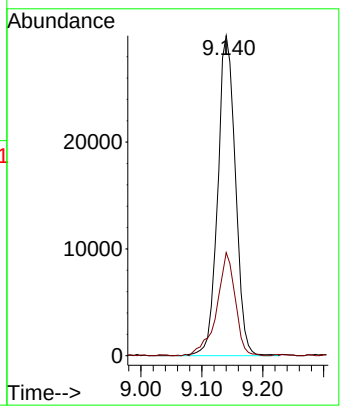
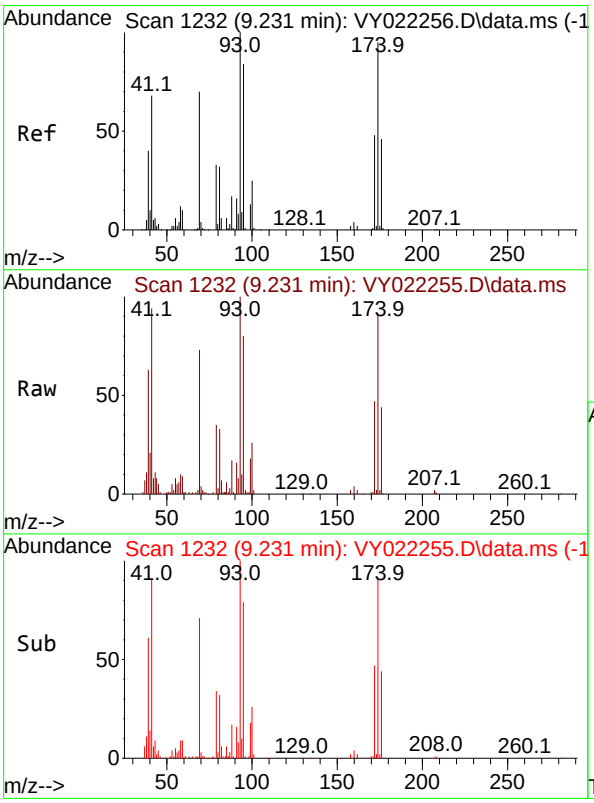
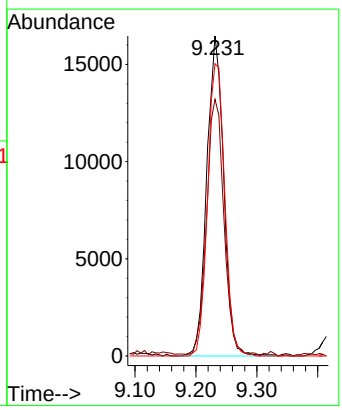


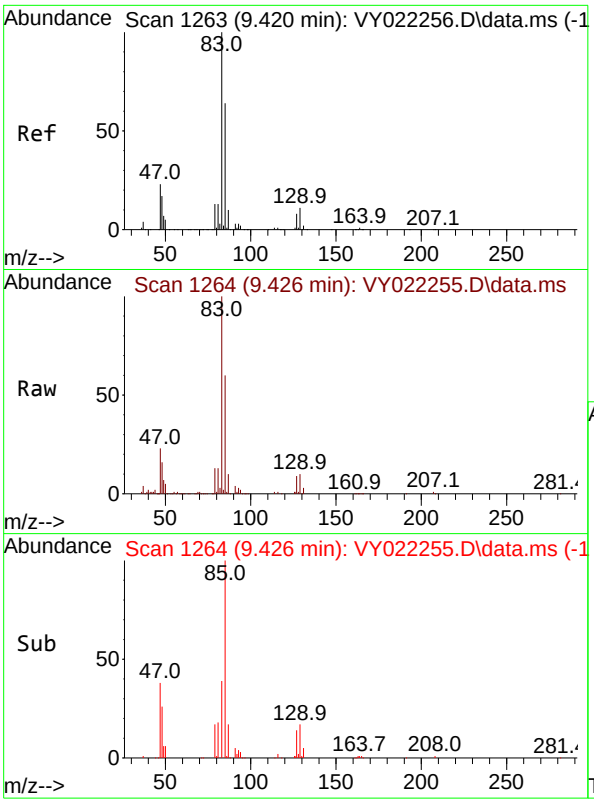


#46
Dibromomethane
Concen: 19.050 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 93 Resp: 31752

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.2	97.8
174	92.4	74.3	111.5

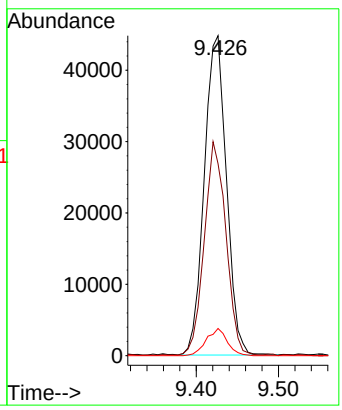




#47
Bromodichloromethane
Concen: 19.385 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 8382

Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.1	76.7
127	8.5	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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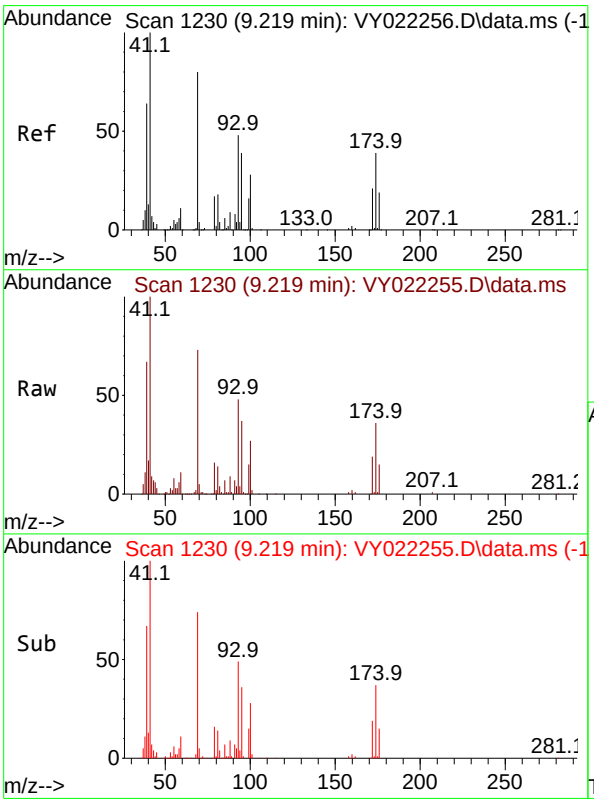
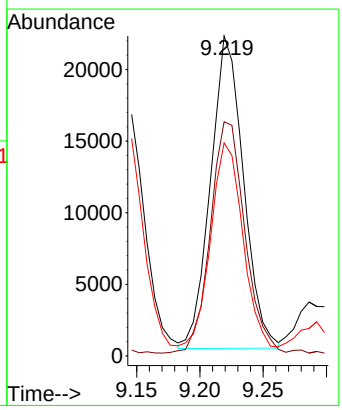
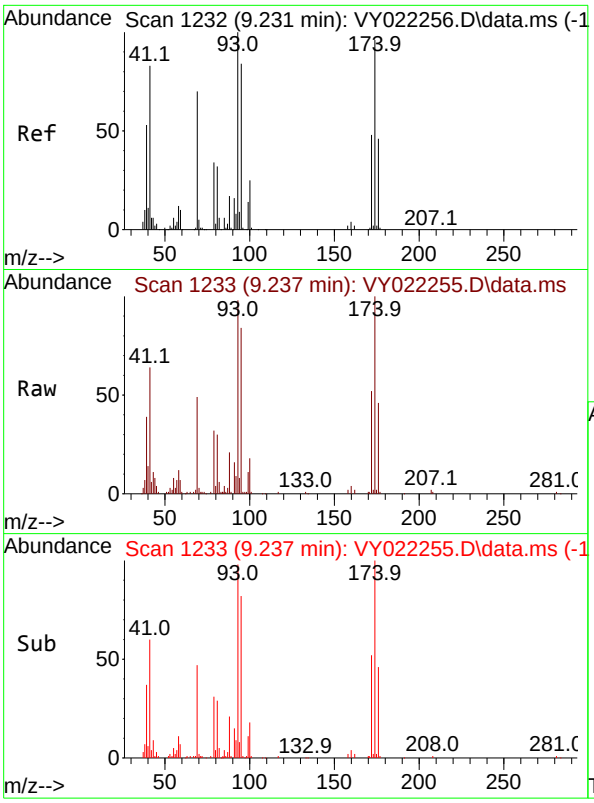


#48
Methyl methacrylate
Concen: 18.563 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 41 Resp: 39387

Ion	Ratio	Lower	Upper
41	100		
69	77.5	63.5	95.3
39	63.4	50.8	76.2





#49
1,4-Dioxane
Concen: 388.323 ug/l
RT: 9.237 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 88 Resp: 731

Ion	Ratio	Lower	Upper
88	100		
43	31.6	28.5	42.7
58	71.1	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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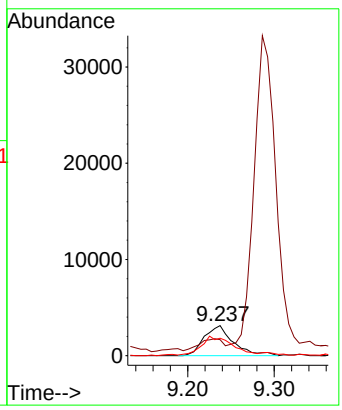
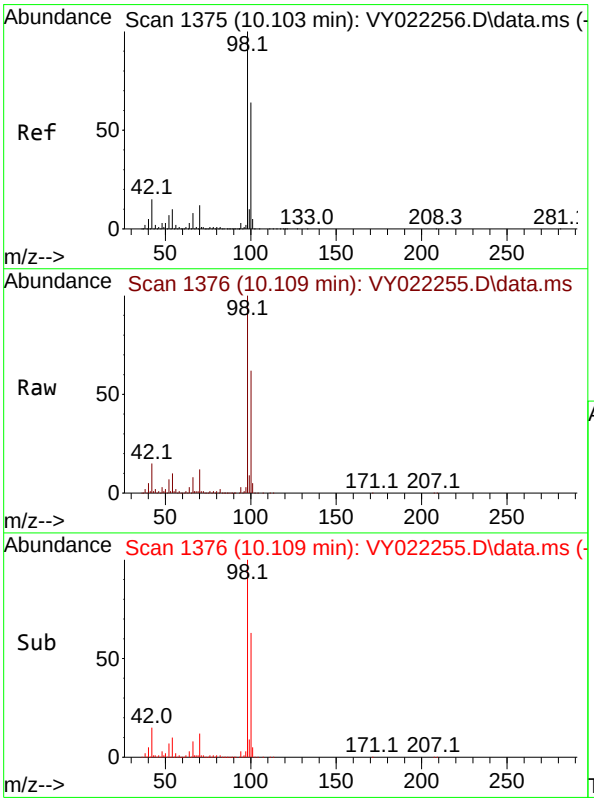
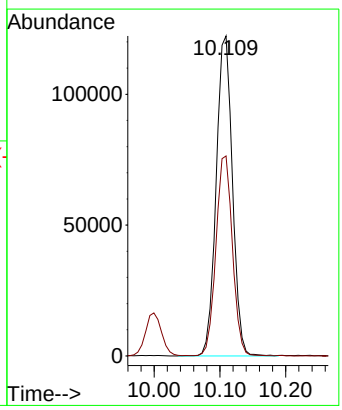


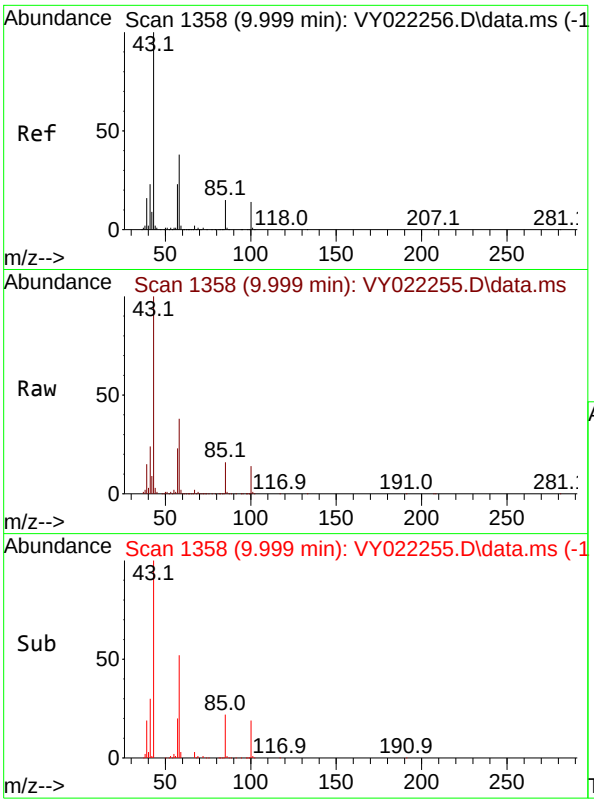


#50
Toluene-d8
Concen: 19.552 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 98 Resp: 210206

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.8	77.8

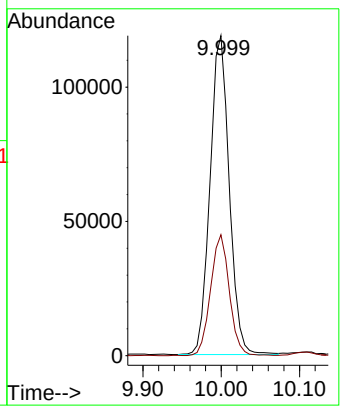




#51
4-Methyl-2-Pentanone
Concen: 90.940 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 20245

Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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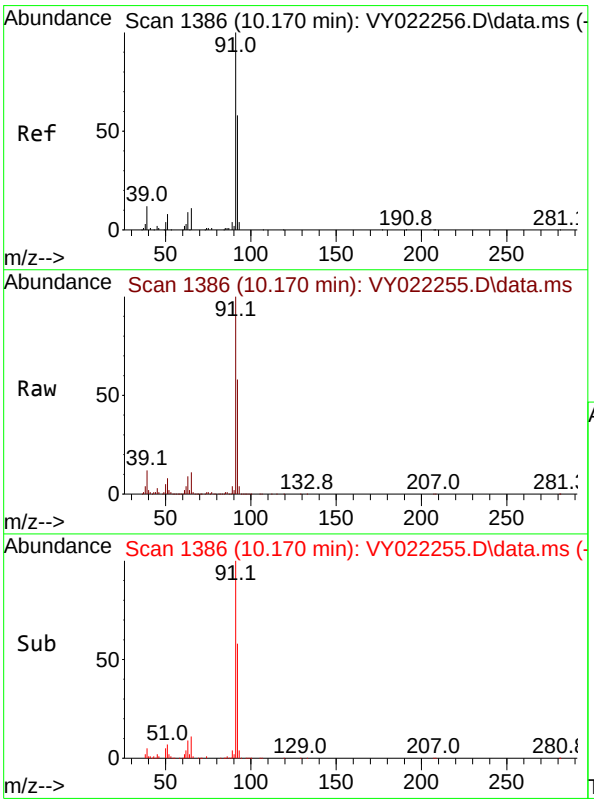
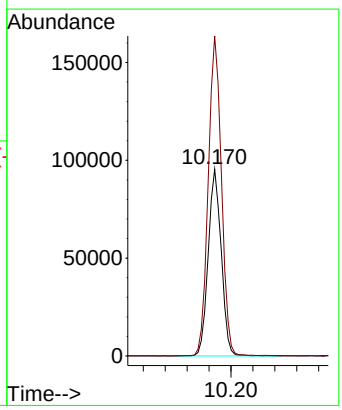
Supervised By :Semsettin Yesilyurt 05/16/2025

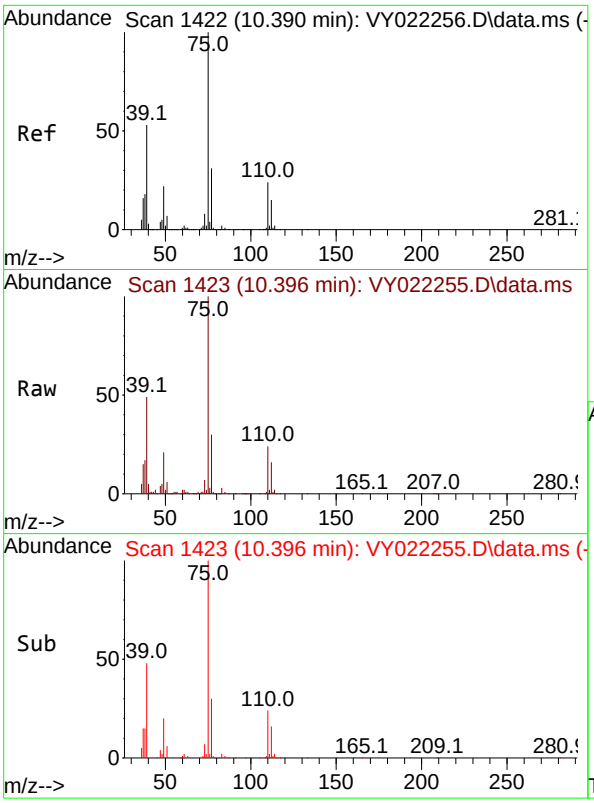


#52
Toluene
Concen: 19.281 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 92 Resp: 156498

Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.1	208.7

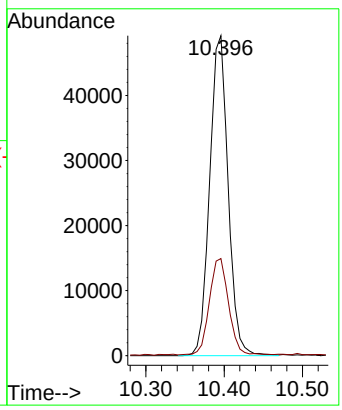




#53
t-1,3-Dichloropropene
Concen: 19.056 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 8041

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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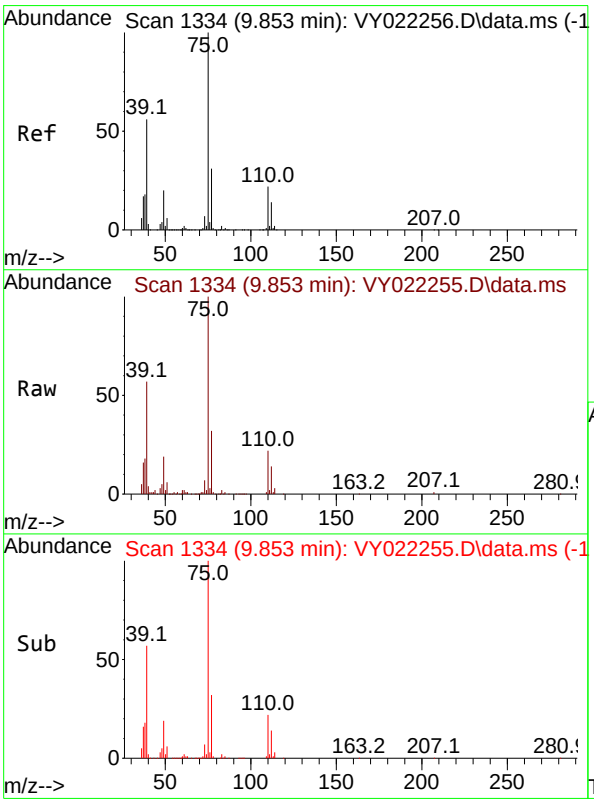
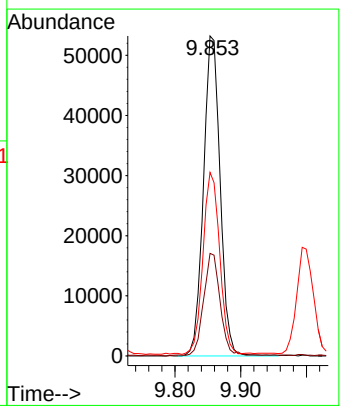
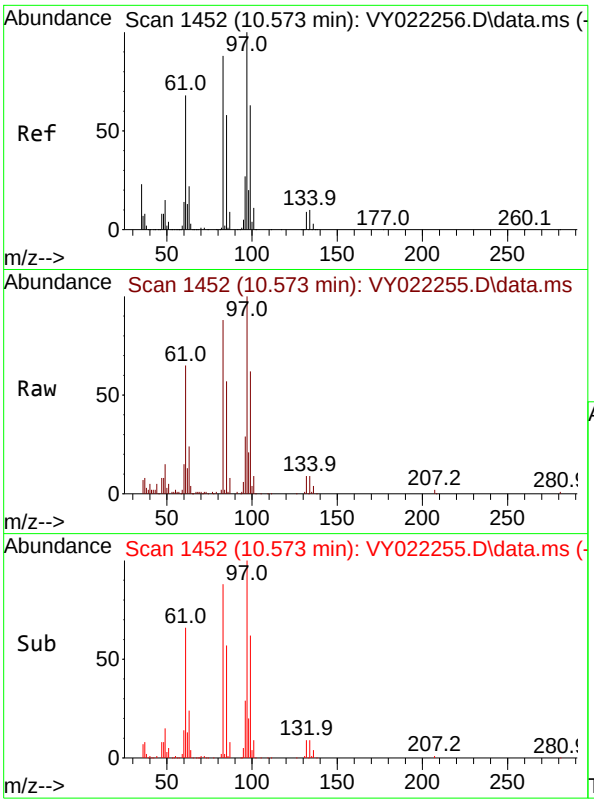


#54
cis-1,3-Dichloropropene
Concen: 19.458 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 94074

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.6	44.5	66.7

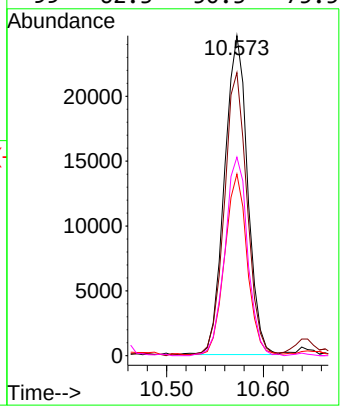




#55
1,1,2-Trichloroethane
Concen: 19.149 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 97 Resp: 4087

Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.3	105.5
85	56.5	46.2	69.4
99	62.3	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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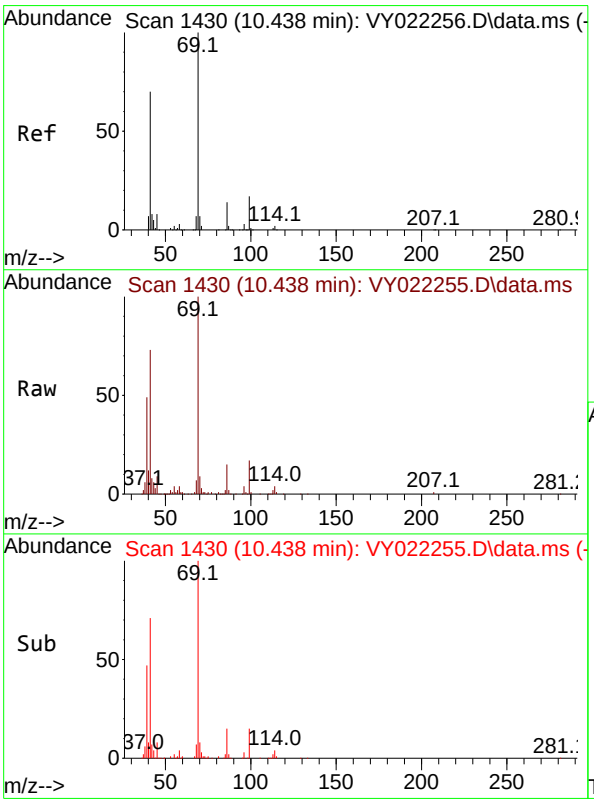
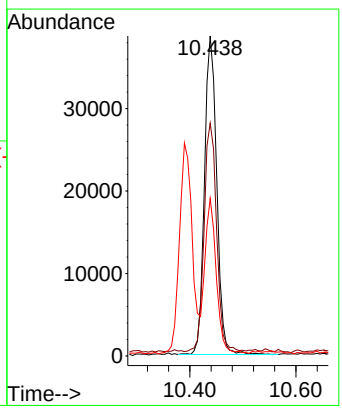
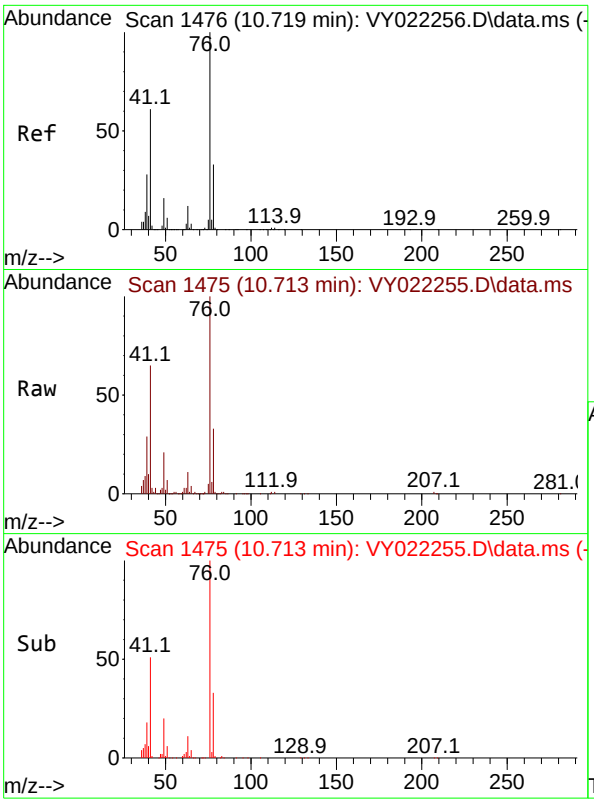


#56
Ethyl methacrylate
Concen: 18.706 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 69 Resp: 62193

Ion	Ratio	Lower	Upper
69	100		
41	73.0	56.5	84.7
39	44.2	37.1	55.7





#57
1,3-Dichloropropane
Concen: 19.175 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 76 Resp: 7271

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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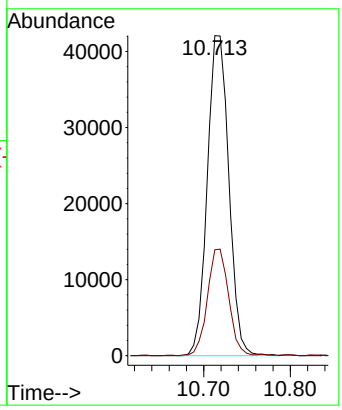
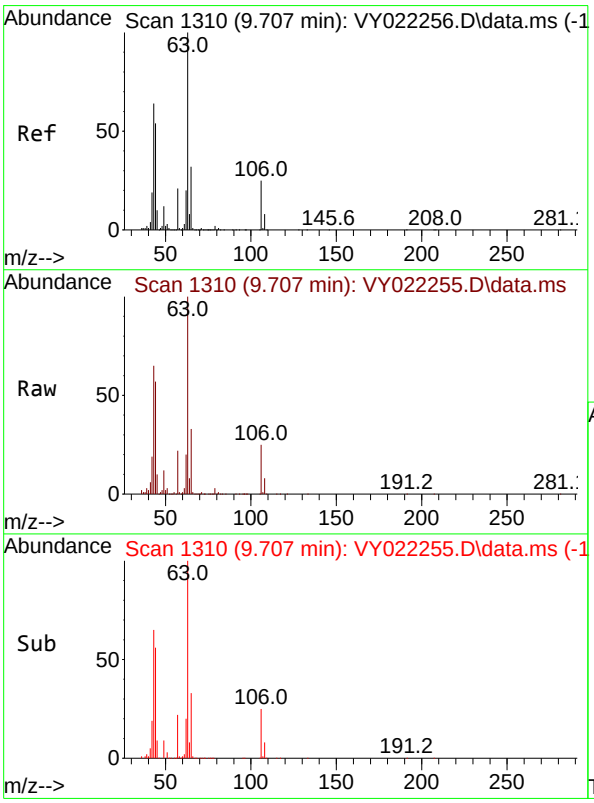
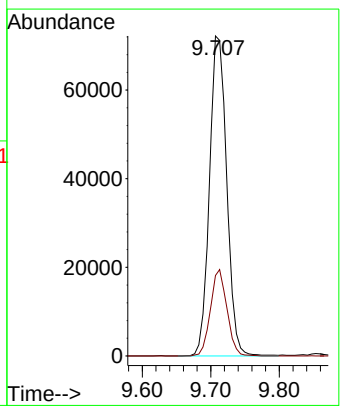


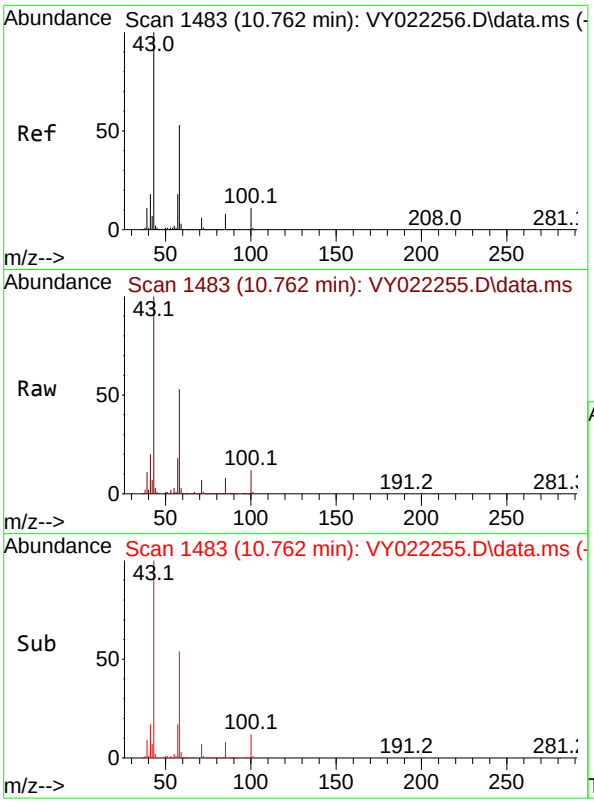


#58
2-Chloroethyl Vinyl ether
Concen: 84.595 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 63 Resp: 126240

Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.0	31.4





#59
2-Hexanone
Concen: 88.766 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 13249

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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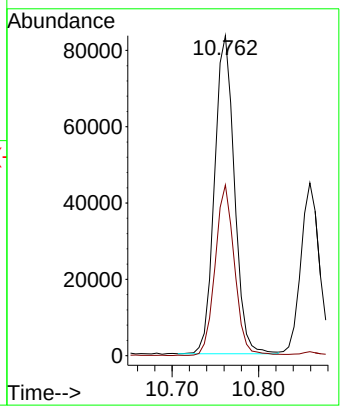
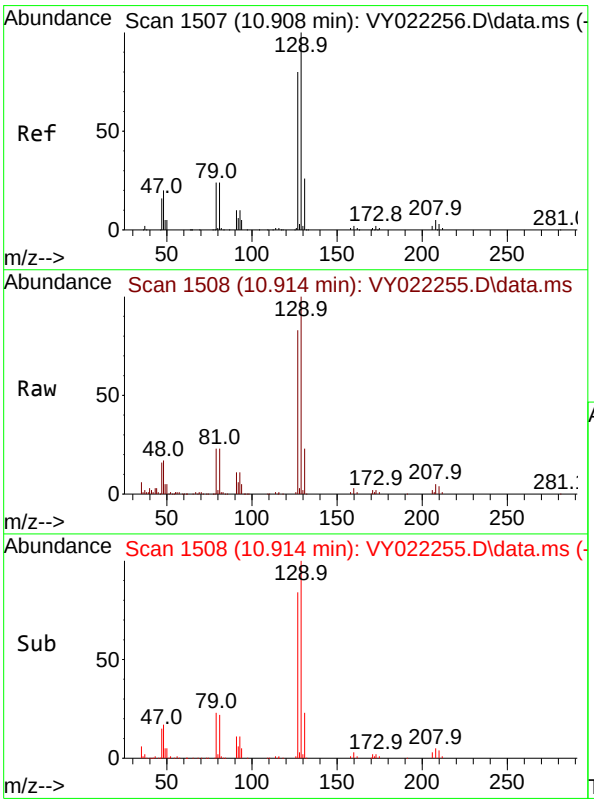
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

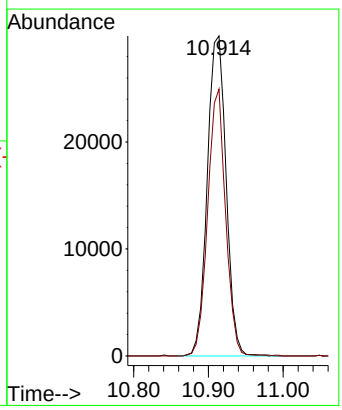


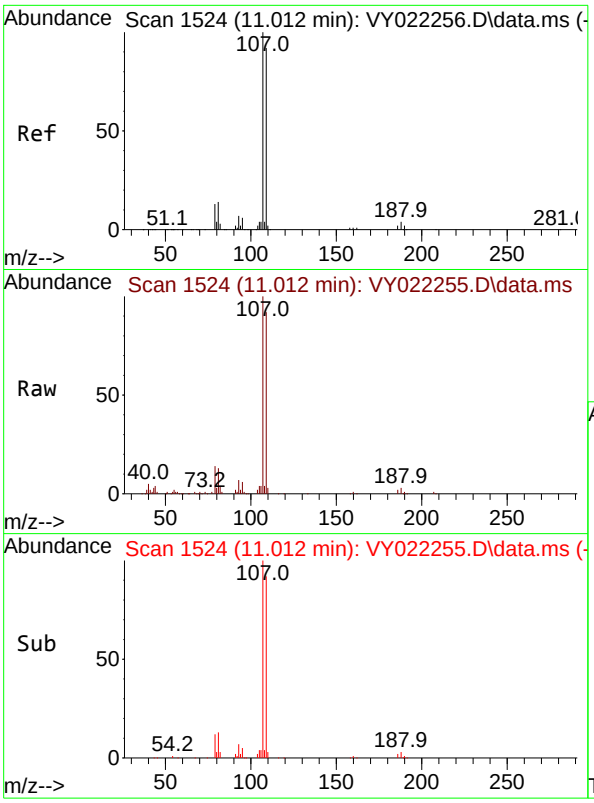


#60
Dibromochloromethane
Concen: 18.898 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:129 Resp: 52353

Ion	Ratio	Lower	Upper
129	100		
127	79.1	38.6	115.7





#61
1,2-Dibromoethane
Concen: 18.969 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:107 Resp: 3773

Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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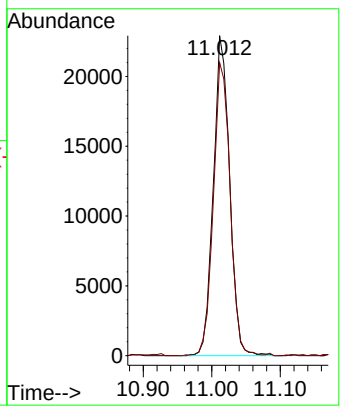
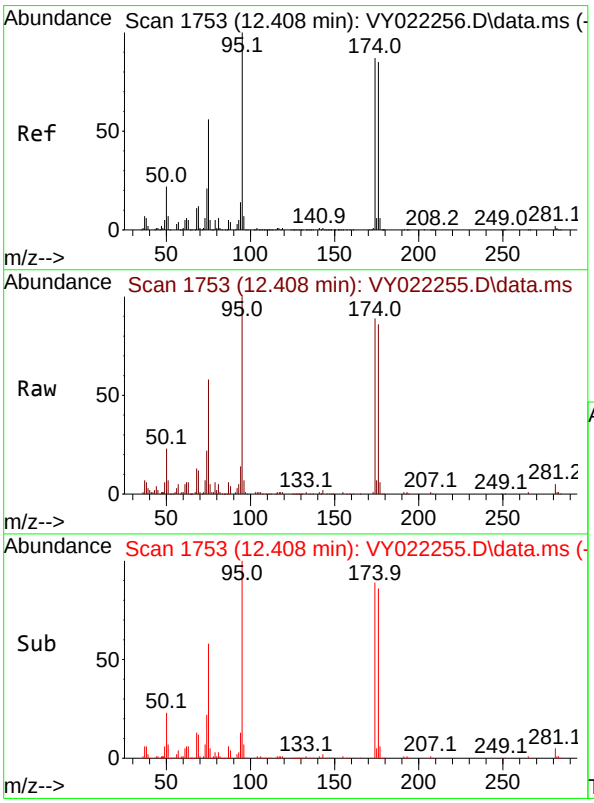
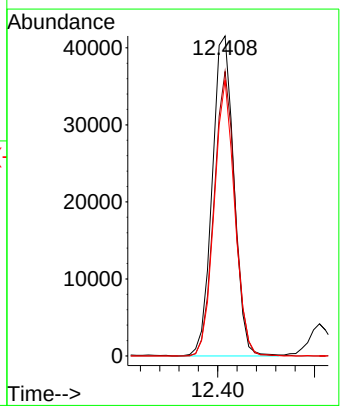


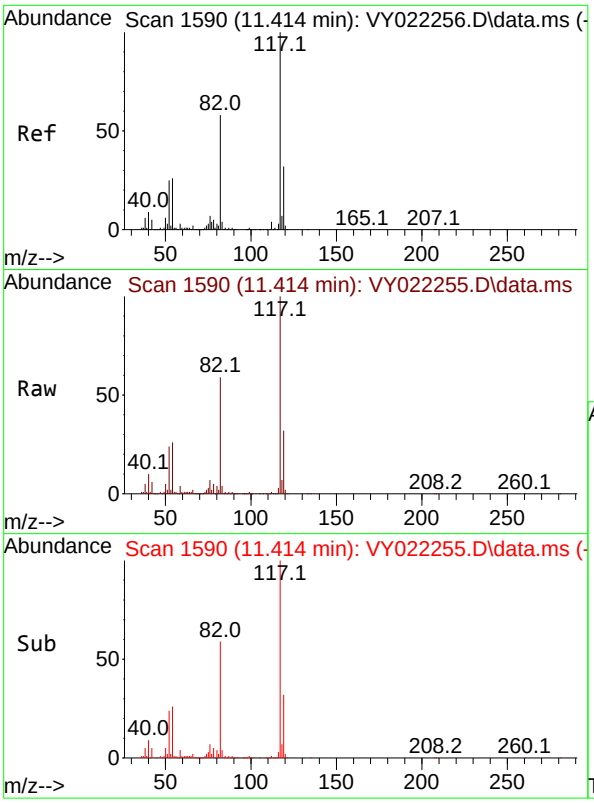


#62
4-Bromofluorobenzene
Concen: 18.988 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 95 Resp: 64706

Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	166.8
176	81.3	0.0	160.8

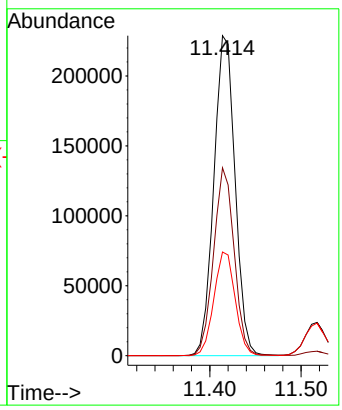




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 37007

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.6	70.0
119	32.4	25.8	38.6



Instrument :
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ClientSampleId :
VSTDICC020

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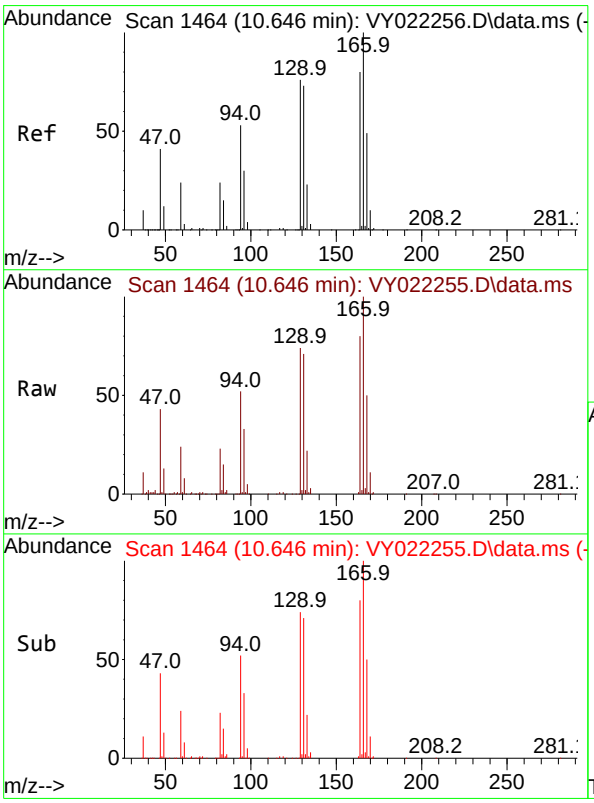
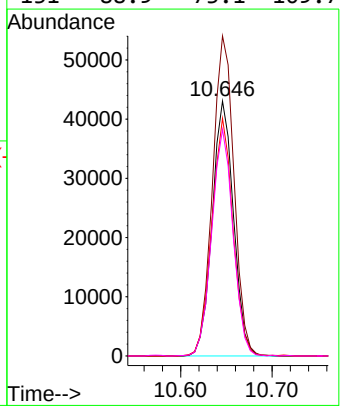
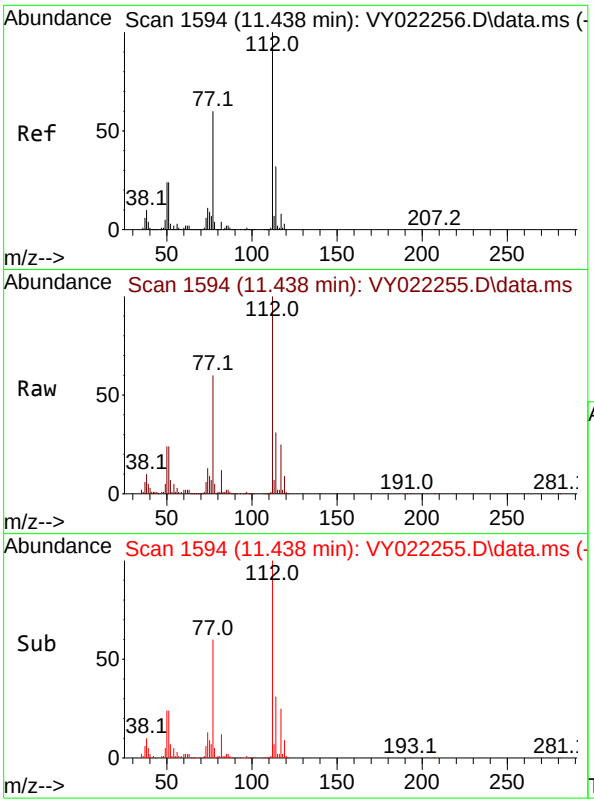


#64
Tetrachloroethene
Concen: 20.332 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:164 Resp: 69548

Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.4	150.6
129	93.2	76.4	114.6
131	88.9	73.1	109.7

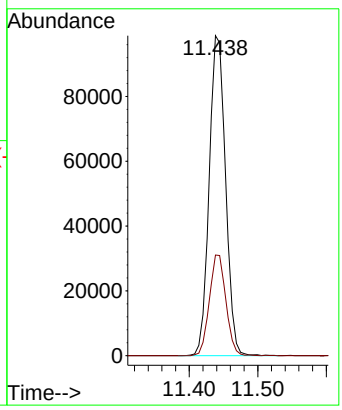




#65
Chlorobenzene
Concen: 19.610 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:112 Resp: 16372

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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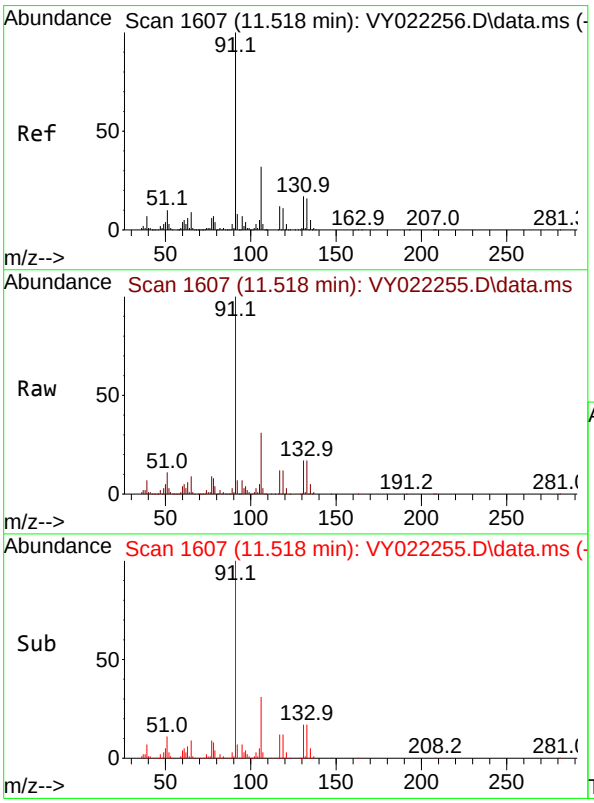
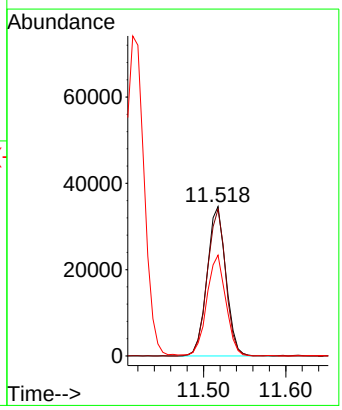
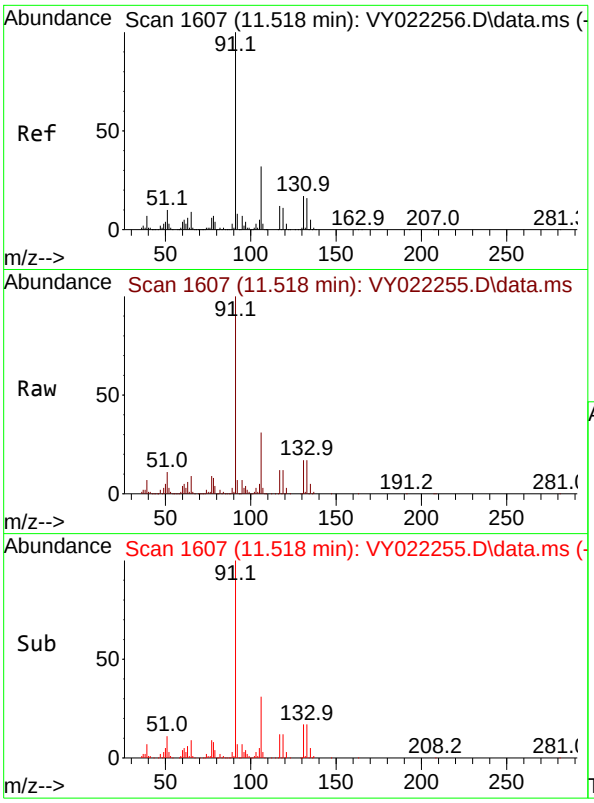


#66
1,1,1,2-Tetrachloroethane
Concen: 19.189 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:131 Resp: 55078

Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.3	141.9
119	68.4	33.1	99.2

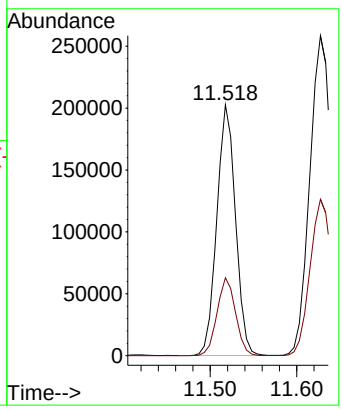




#67
Ethyl Benzene
Concen: 19.402 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 30337

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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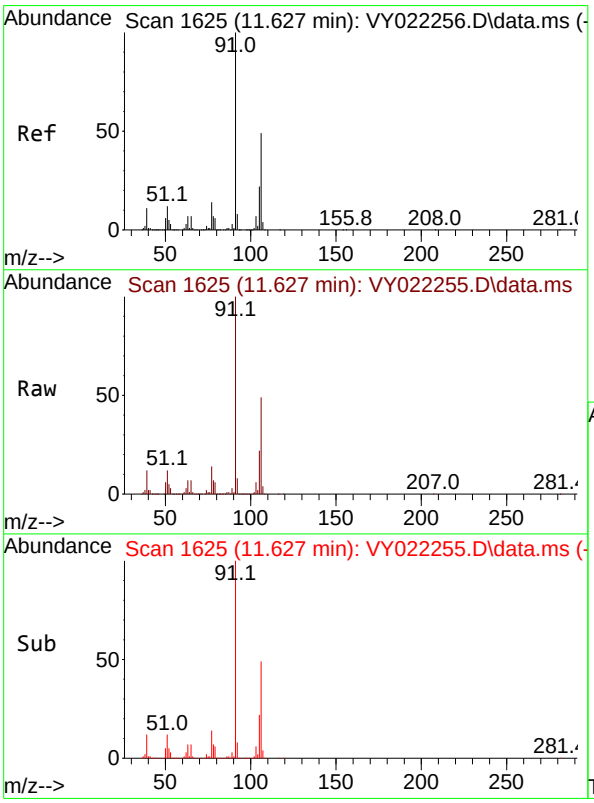
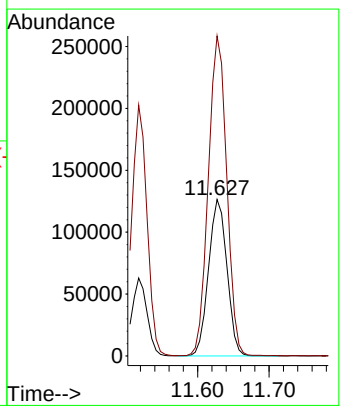
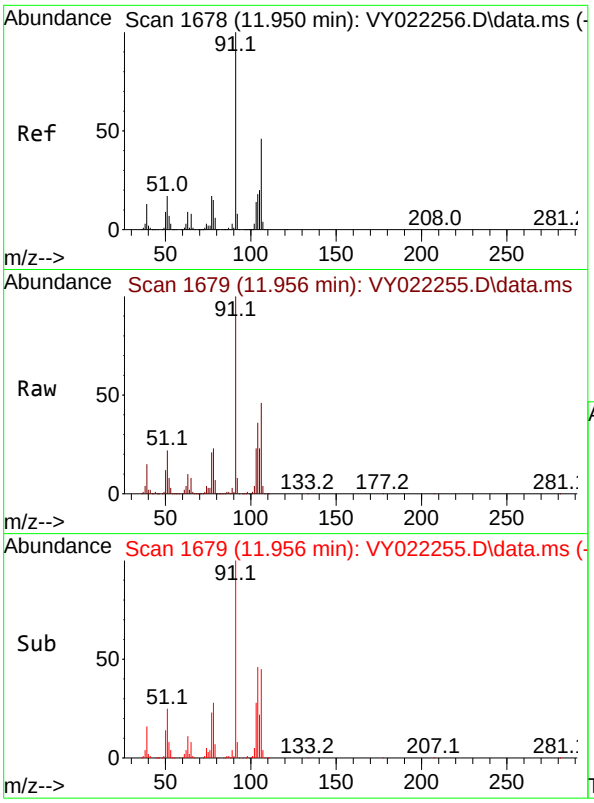


#68
m/p-Xylenes
Concen: 38.355 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:106 Resp: 225990

Ion	Ratio	Lower	Upper
106	100		
91	204.2	163.0	244.4

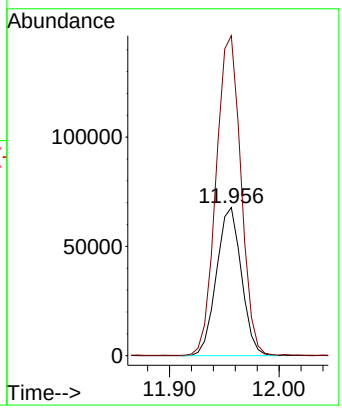




#69
o-Xylene
Concen: 19.194 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:106 Resp: 10699

Ion	Ratio	Lower	Upper
106	100		
91	215.7	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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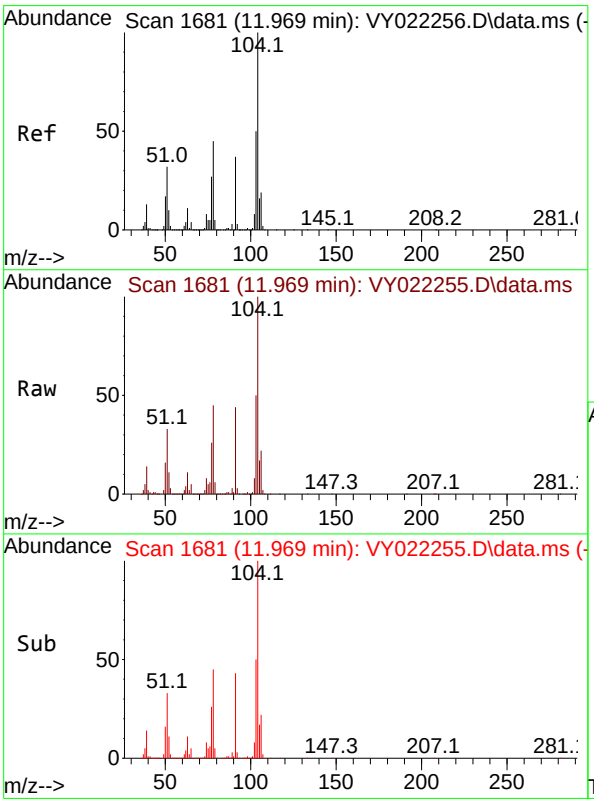
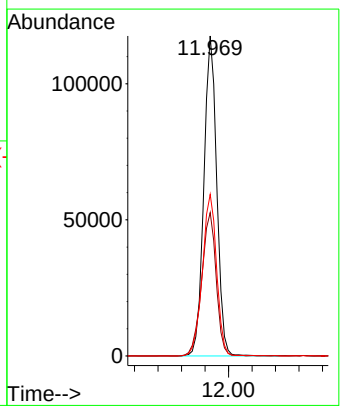
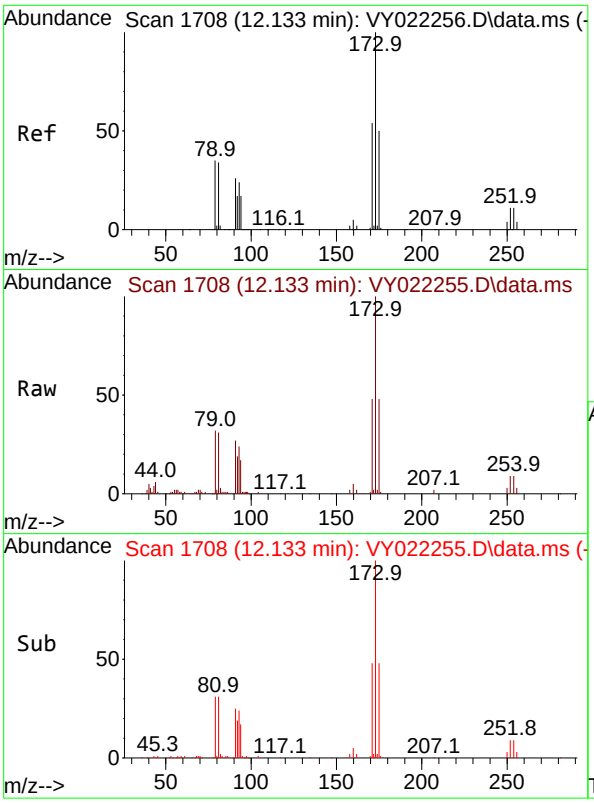


#70
Styrene
Concen: 19.048 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:104 Resp: 179114

Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.9	61.3
103	55.7	43.7	65.5

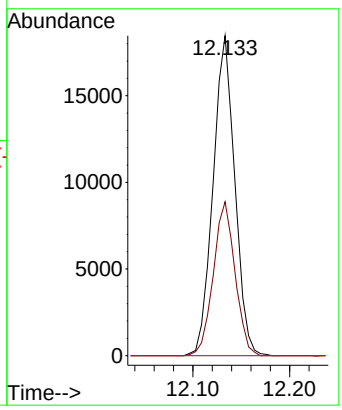




#71
Bromoform
Concen: 18.582 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:173 Resp: 2878

Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
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VSTDICC020

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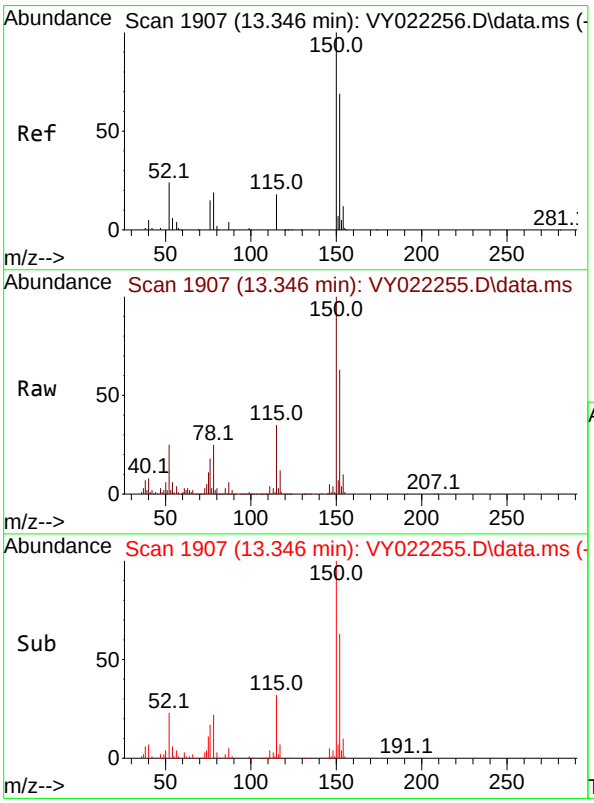
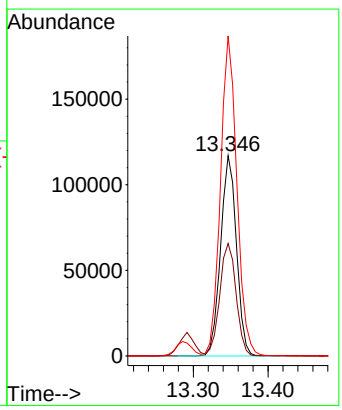
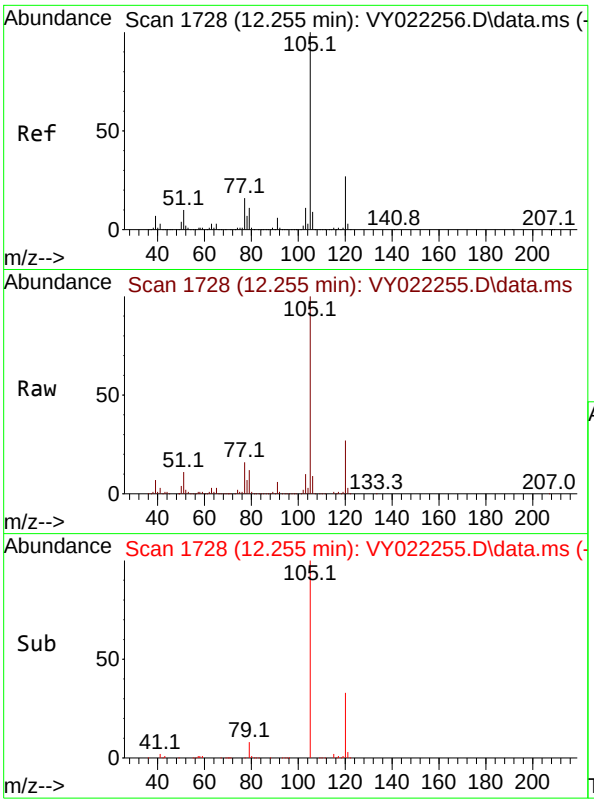


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:152 Resp: 172509

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.4	88.2
150	165.2	0.0	353.8

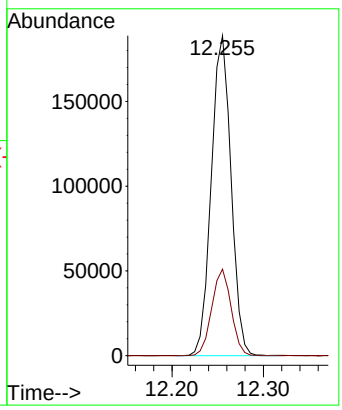




#73
Isopropylbenzene
Concen: 19.795 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 28289

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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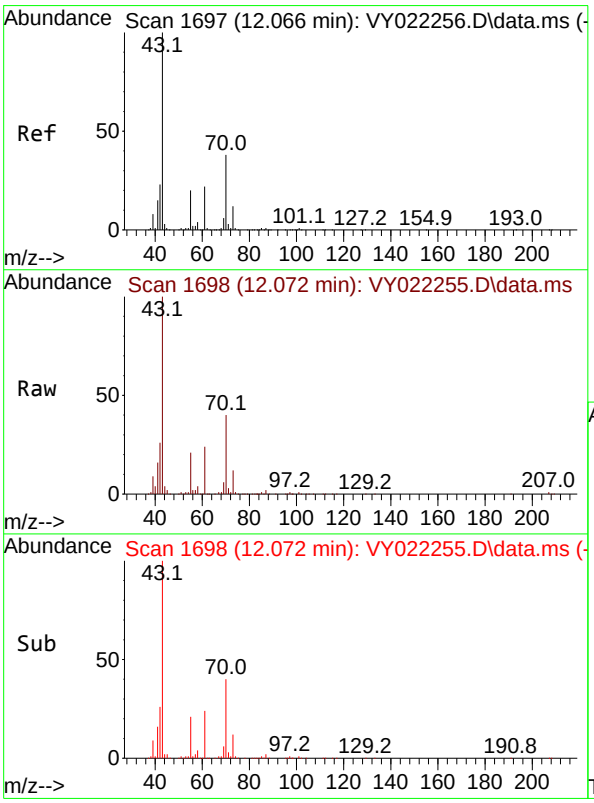
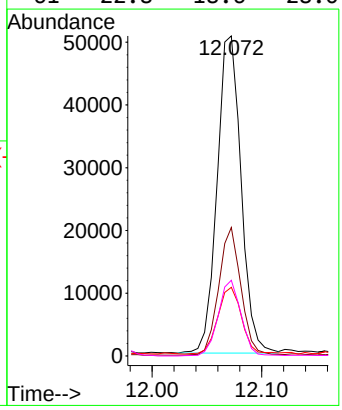
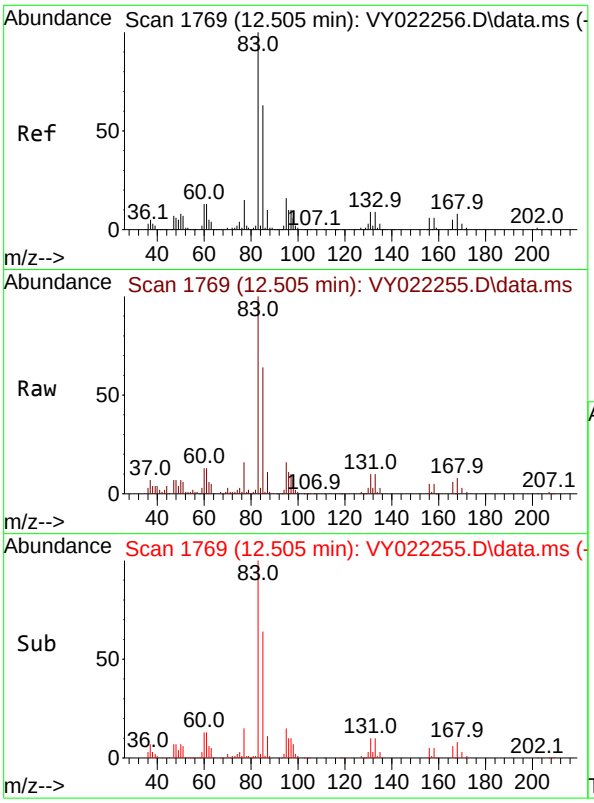


#74
N-amyl acetate
Concen: 18.799 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 43 Resp: 76841

Ion	Ratio	Lower	Upper
43	100		
70	37.3	31.4	47.0
55	21.3	17.0	25.6
61	22.8	18.6	28.0

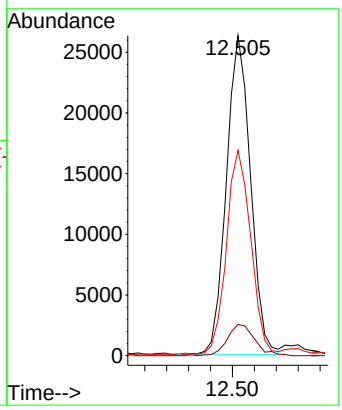




#75
1,1,2,2-Tetrachloroethane
Concen: 18.228 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 83 Resp: 4006

Ion	Ratio	Lower	Upper
83	100		
131	11.1	4.9	14.7
85	65.9	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
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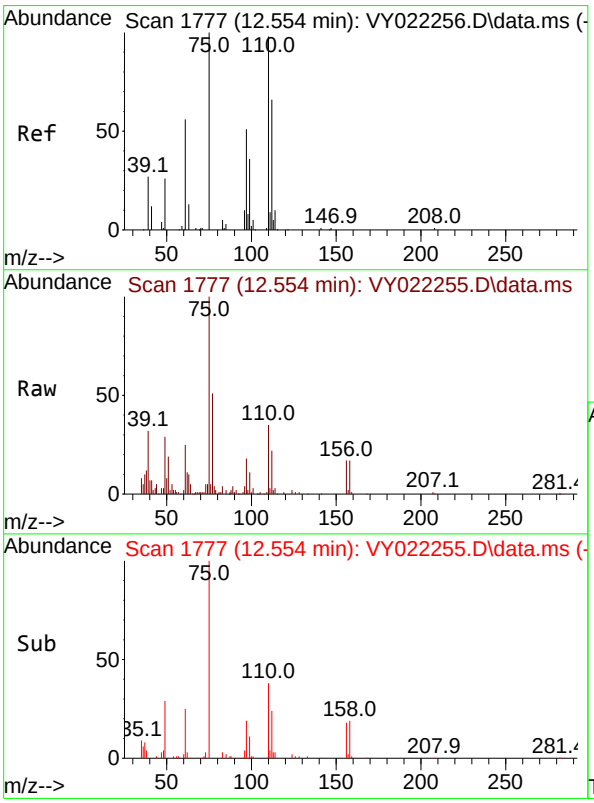
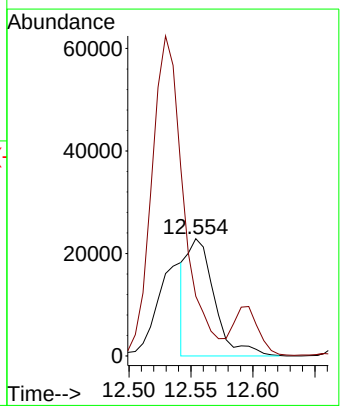
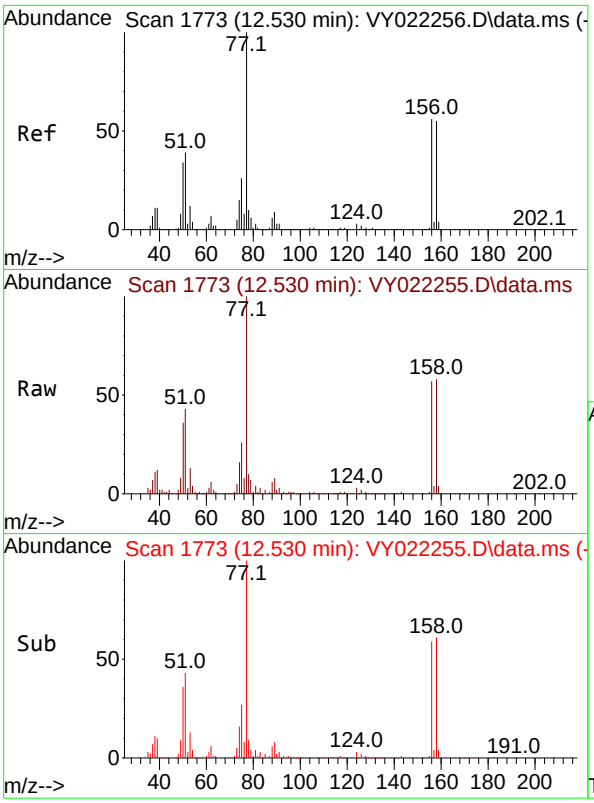


#76
1,2,3-Trichloropropane
Concen: 11.701 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 35574

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

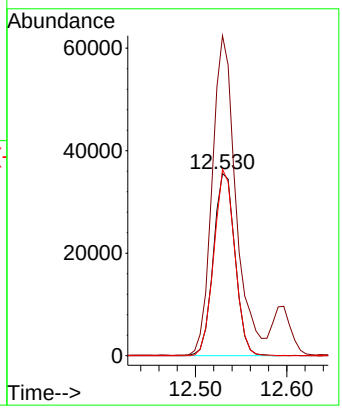




#77
Bromobenzene
Concen: 19.170 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:156 Resp: 5851

Ion	Ratio	Lower	Upper
156	100		
77	190.6	94.5	283.6
158	99.0	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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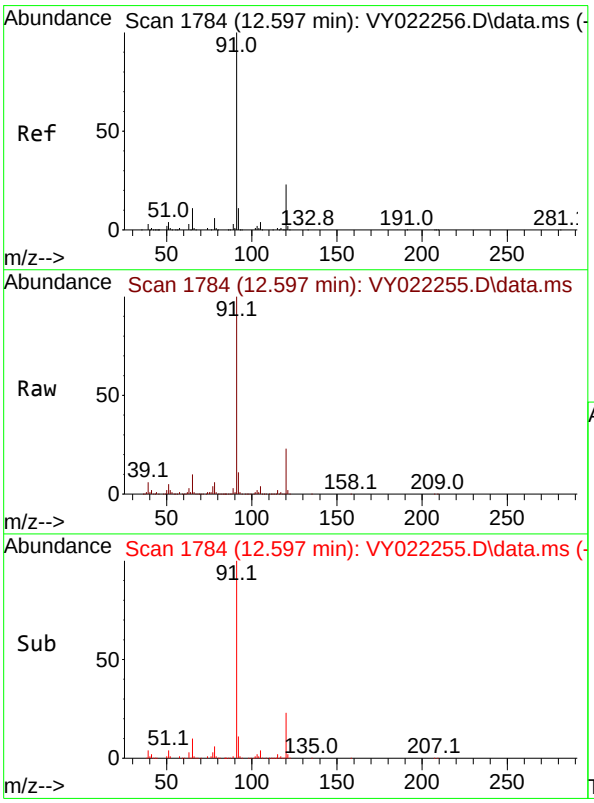
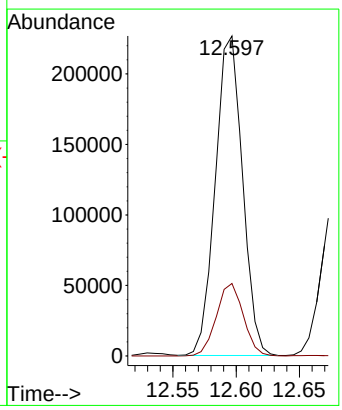
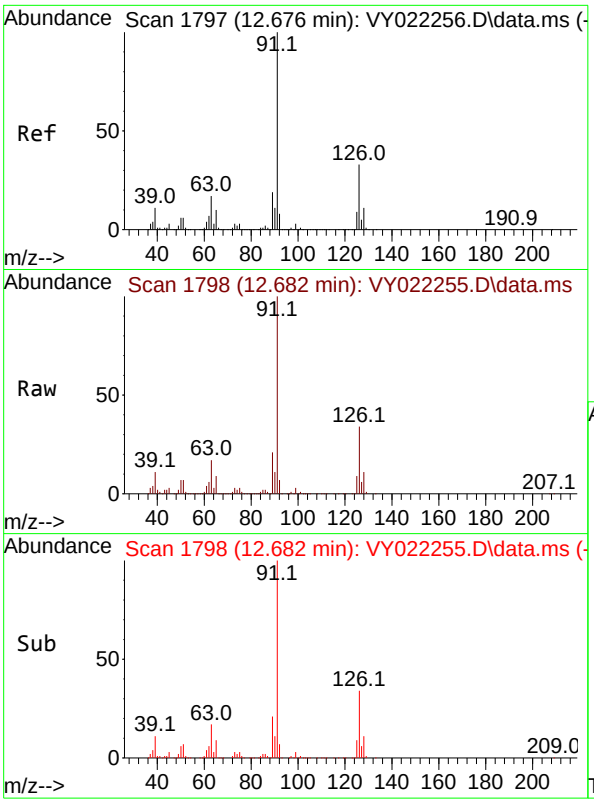


#78
n-propylbenzene
Concen: 19.630 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 338383

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.3

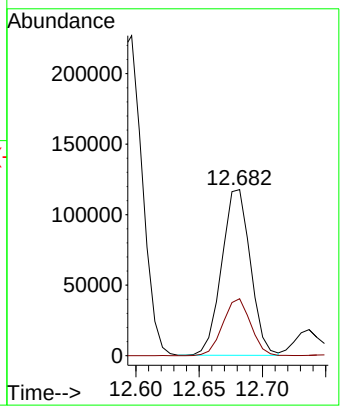




#79
2-Chlorotoluene
Concen: 19.621 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 18587

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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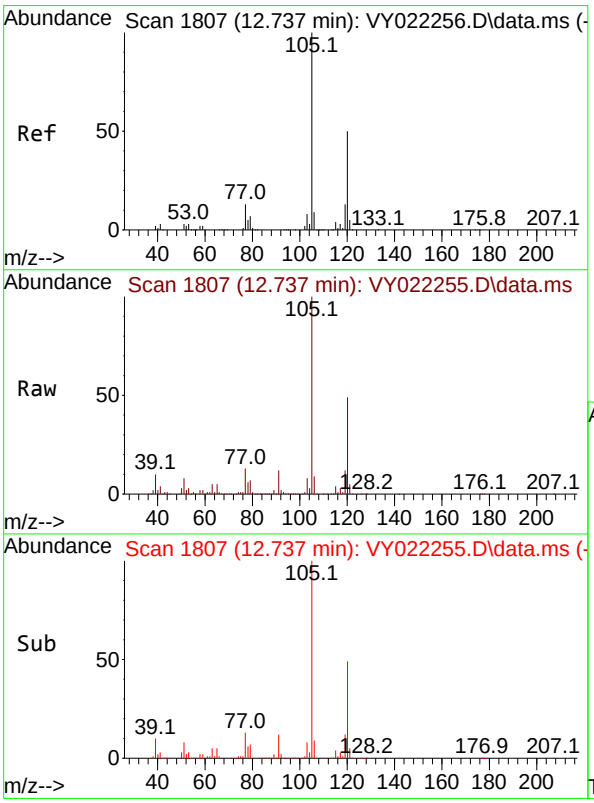
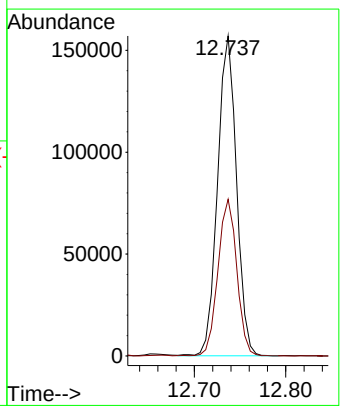
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

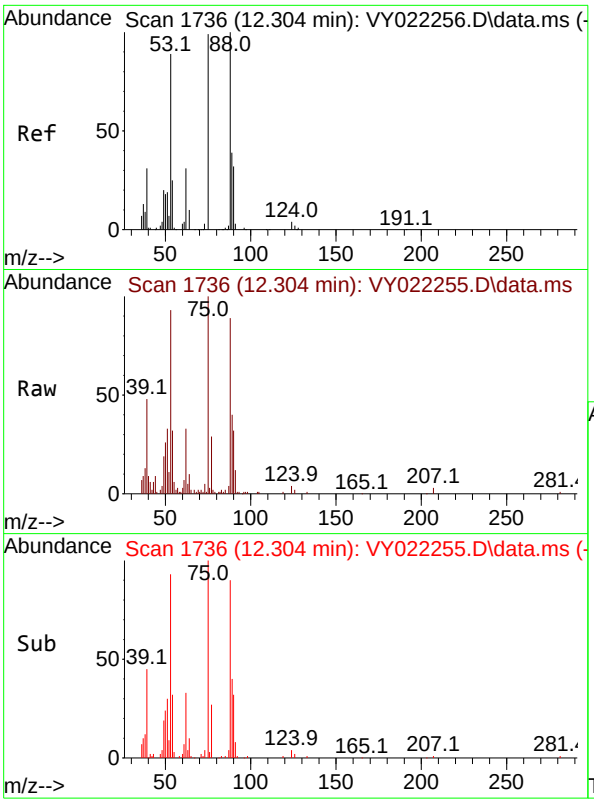


#80
1,3,5-Trimethylbenzene
Concen: 19.587 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 225966

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 19.302 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 1665

Ion	Ratio	Lower	Upper
75	100		
53	92.5	75.8	113.8
89	43.2	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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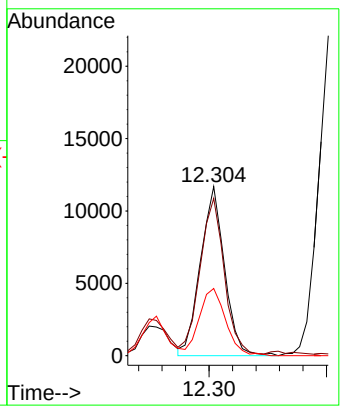
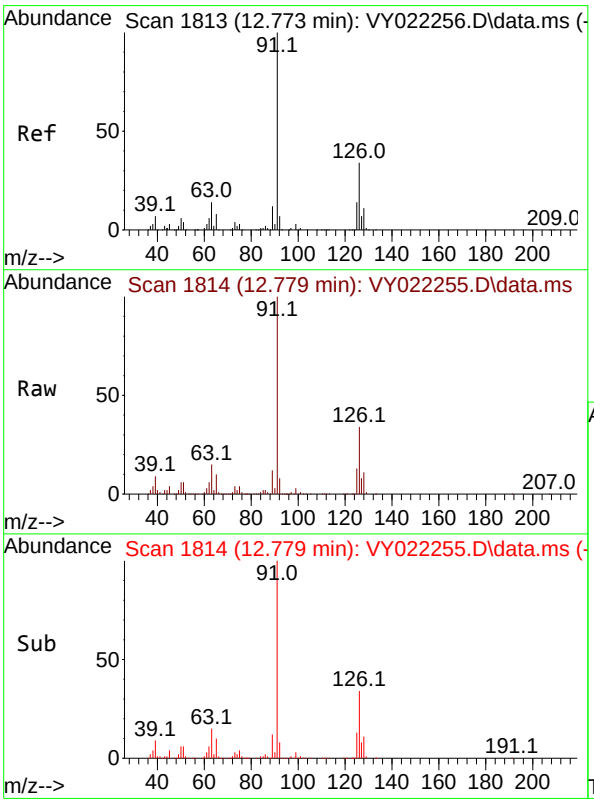
Supervised By :Semsettin Yesilyurt 05/16/2025

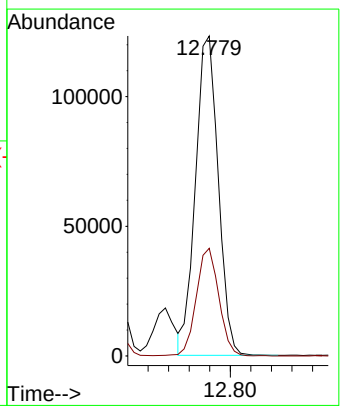


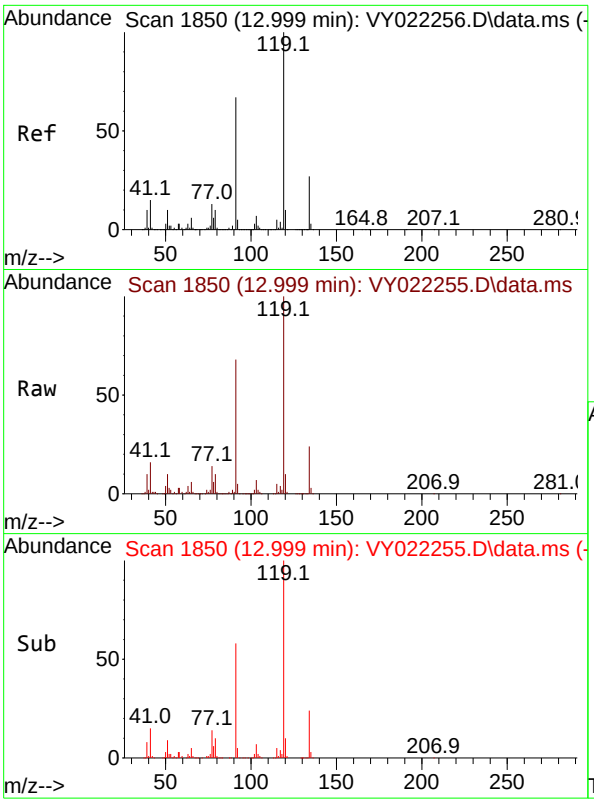


#82
4-Chlorotoluene
Concen: 19.433 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 189350

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4

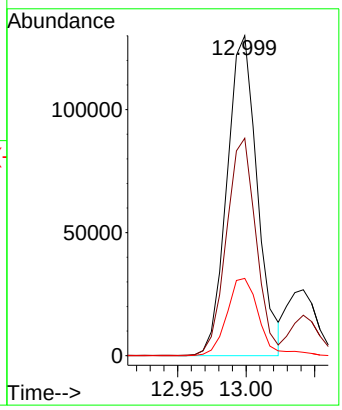




#83
tert-Butylbenzene
Concen: 19.515 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:119 Resp: 20010

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.6	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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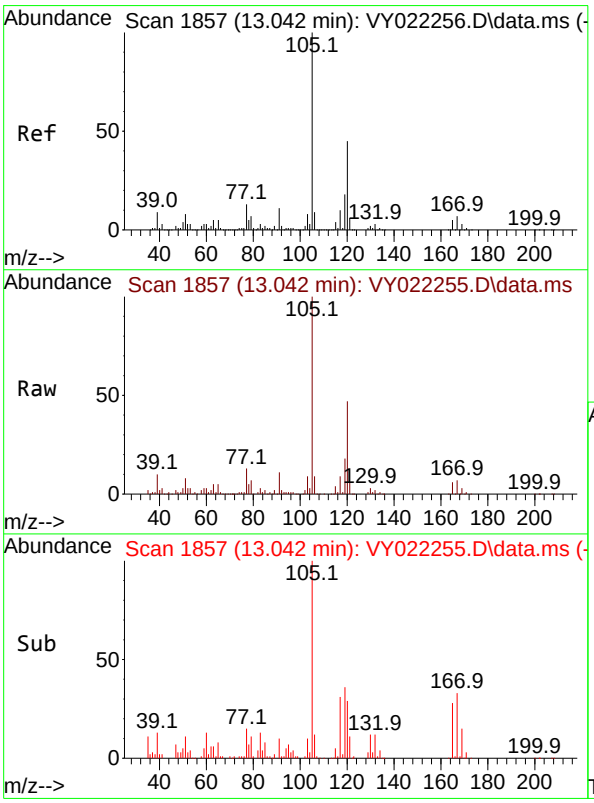
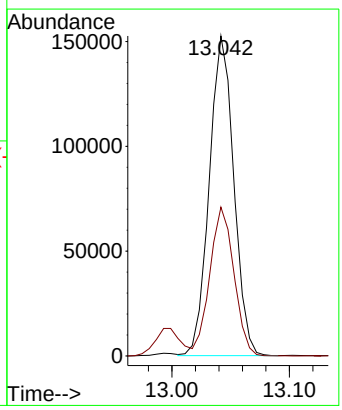
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

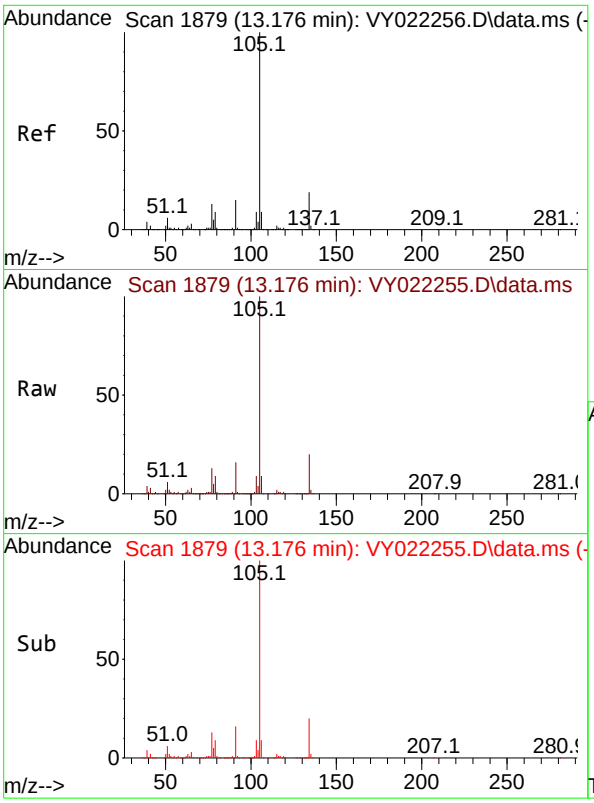


#84
1,2,4-Trimethylbenzene
Concen: 19.315 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 221194

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9





#85
sec-Butylbenzene
Concen: 19.576 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:105 Resp: 29797

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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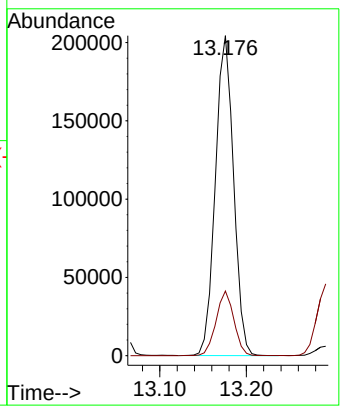
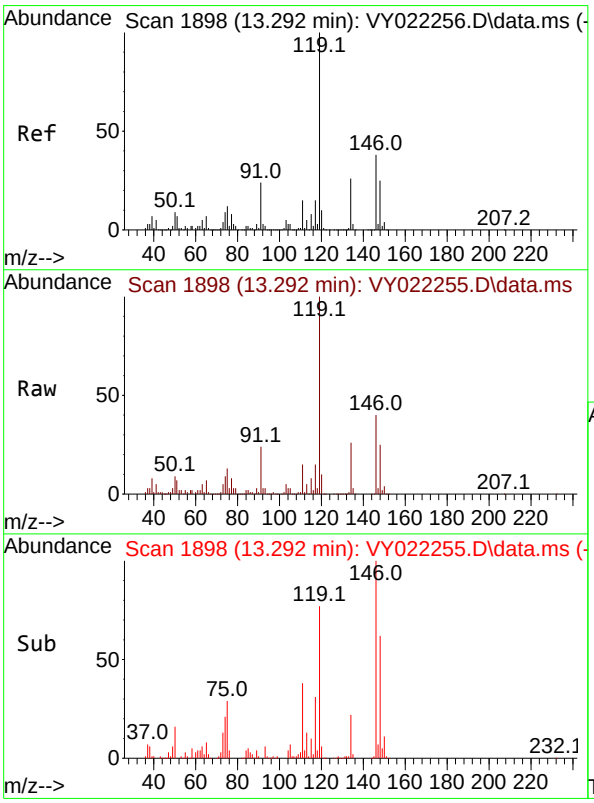
Supervised By :Semsettin Yesilyurt 05/16/2025

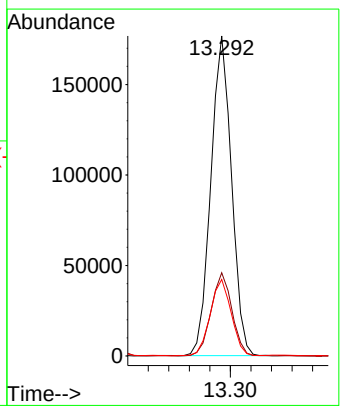


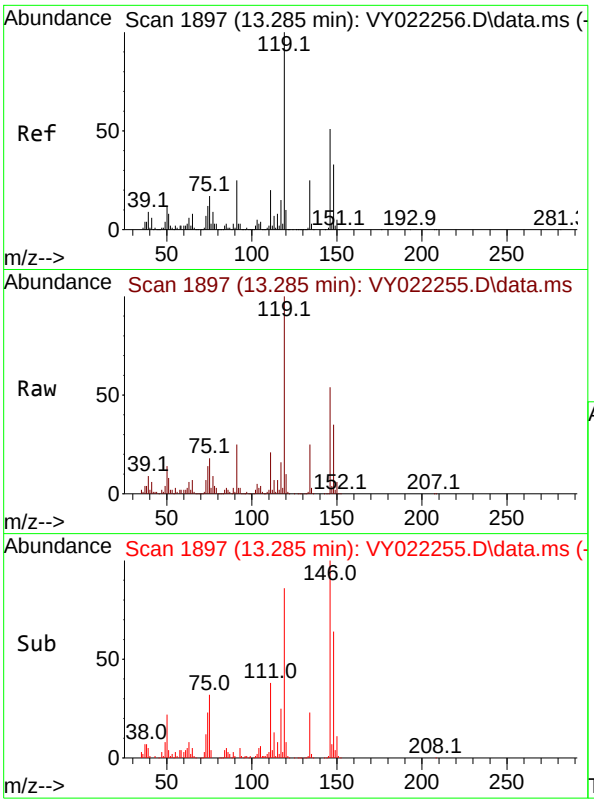


#86
p-Isopropyltoluene
Concen: 19.261 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:119 Resp: 246569

Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	24.2	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 18.991 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 11833

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.4	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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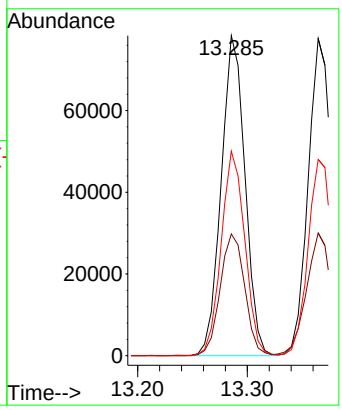
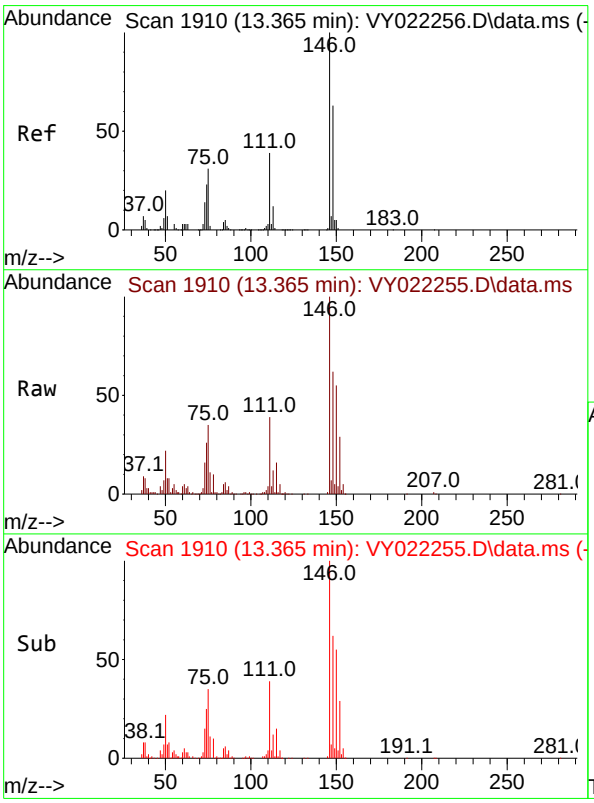
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

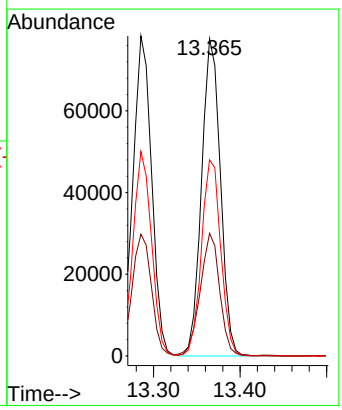


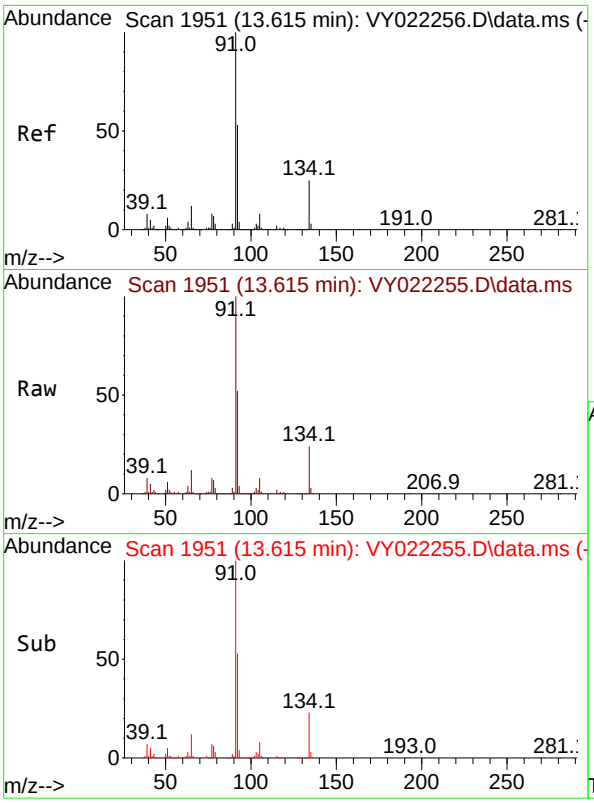


#88
1,4-Dichlorobenzene
Concen: 19.638 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 117705

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.3	32.1	96.5

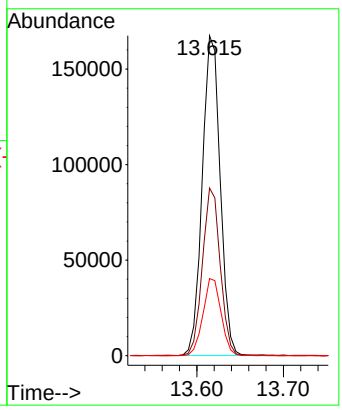




#89
n-Butylbenzene
Concen: 19.887 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 91 Resp: 24085

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	24.3	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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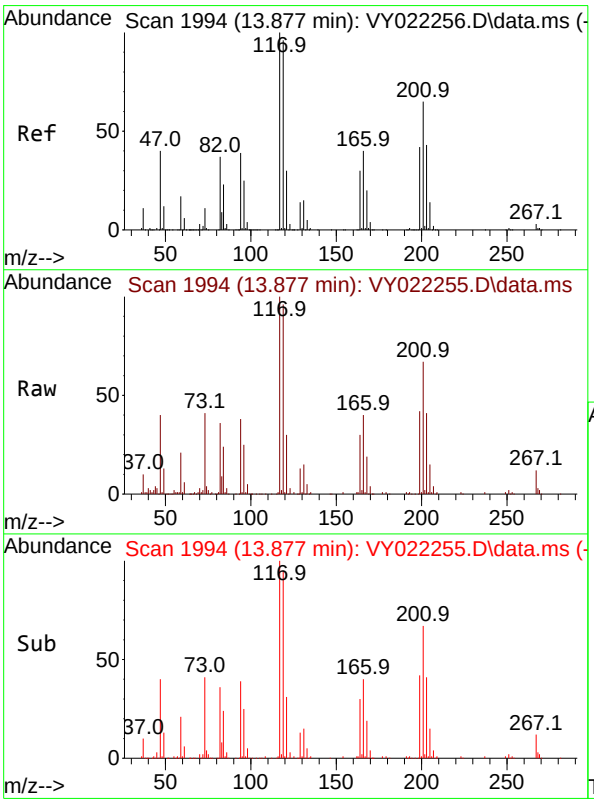
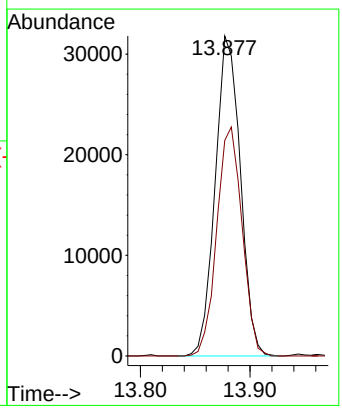
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

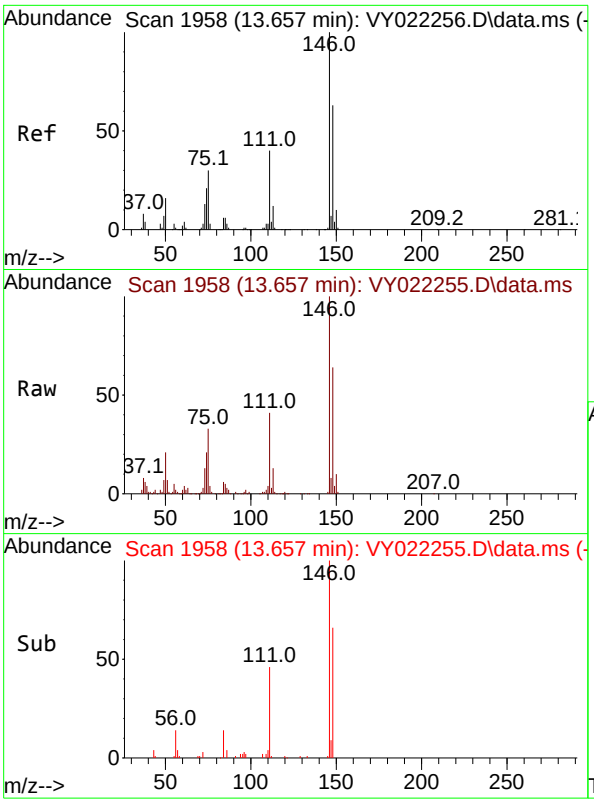


#90
Hexachloroethane
Concen: 19.643 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:117 Resp: 50762

Ion	Ratio	Lower	Upper
117	100		
201	72.0	35.2	105.6

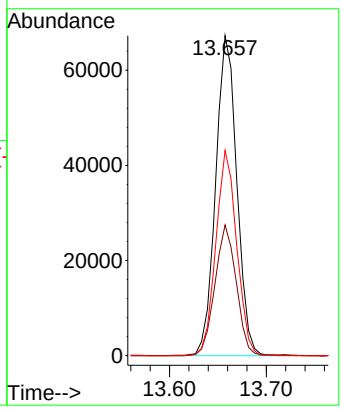




#91
1,2-Dichlorobenzene
Concen: 19.502 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:146 Resp: 10207

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.2	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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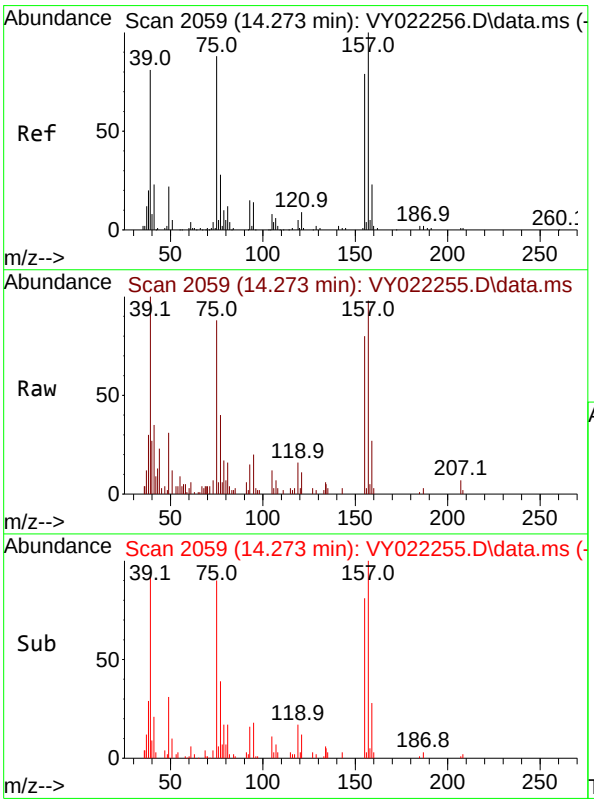
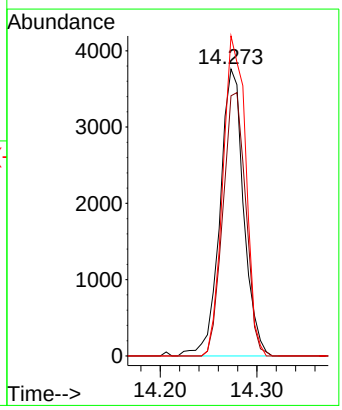
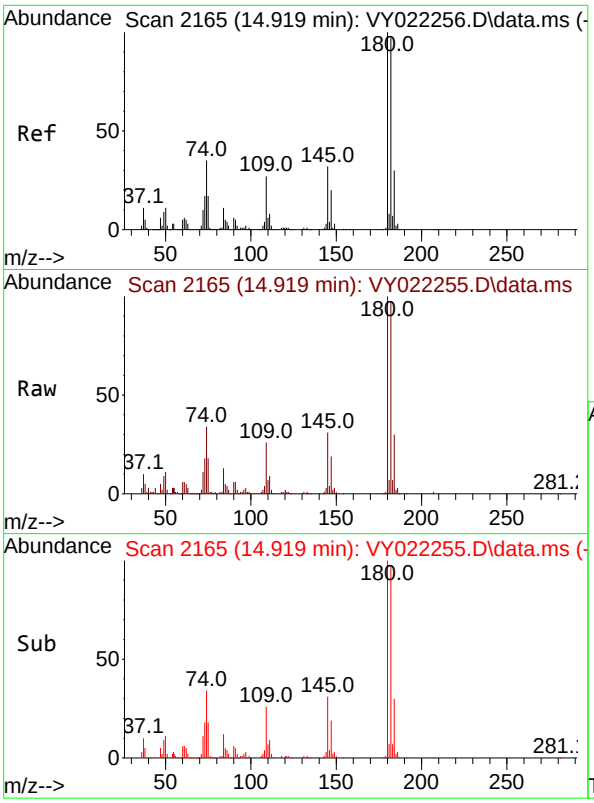


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.021 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion: 75 Resp: 6387

Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.4	130.1
157	107.4	54.6	163.9

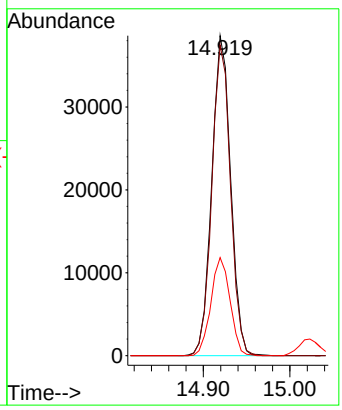




#93
1,2,4-Trichlorobenzene
Concen: 19.346 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:180 Resp: 5849

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	31.1	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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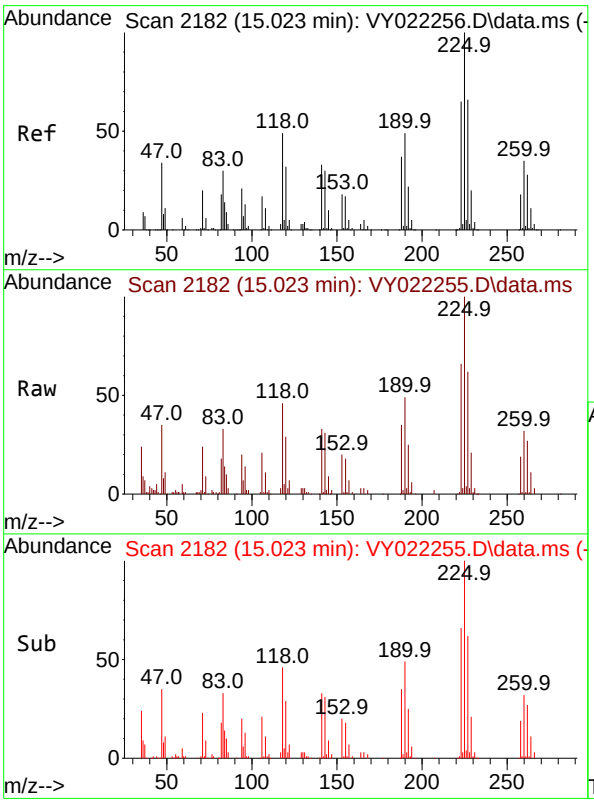
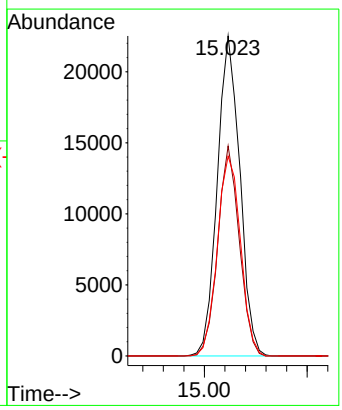
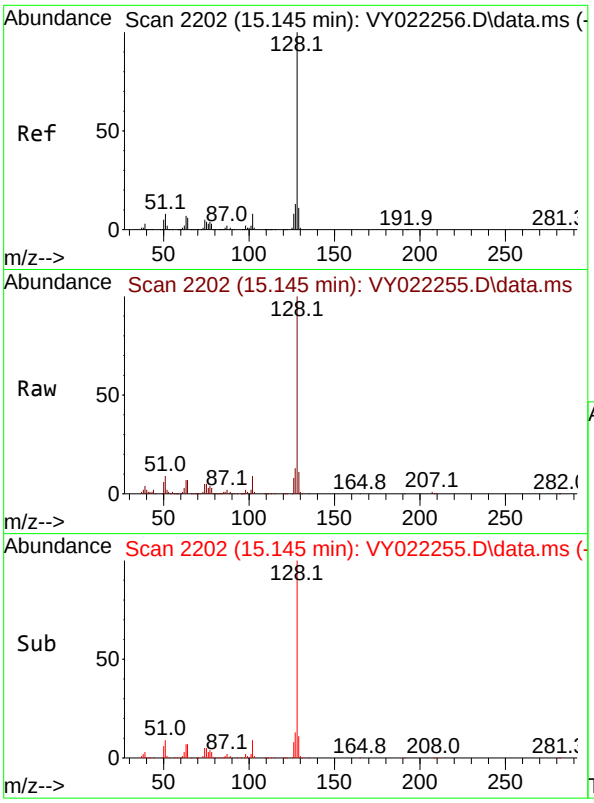


#94
Hexachlorobutadiene
Concen: 20.301 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:225 Resp: 34228

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	64.3	32.1	96.3

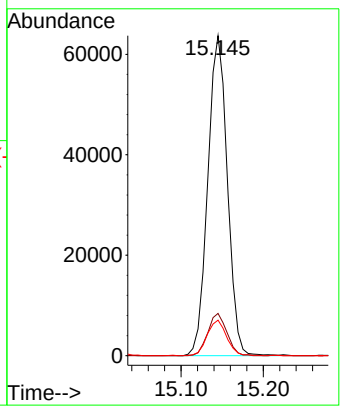




#95
Naphthalene
Concen: 18.362 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:128 Resp: 10535

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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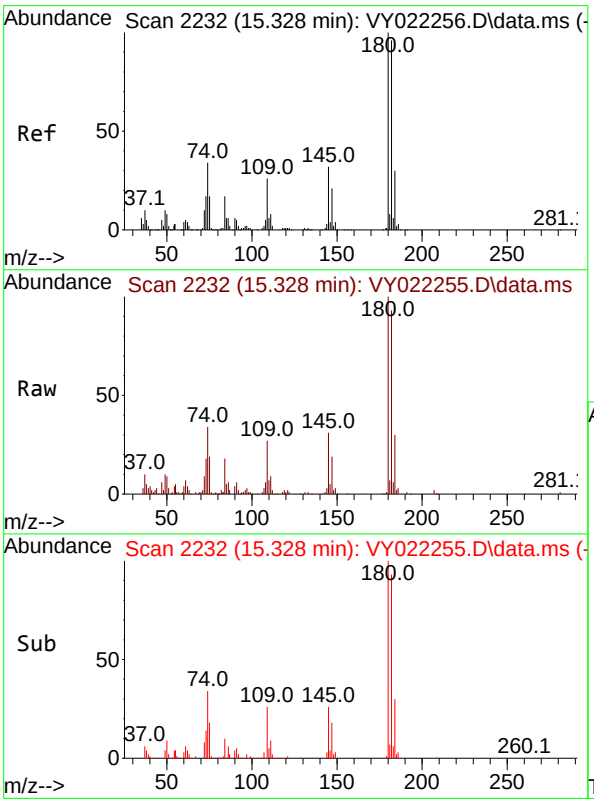
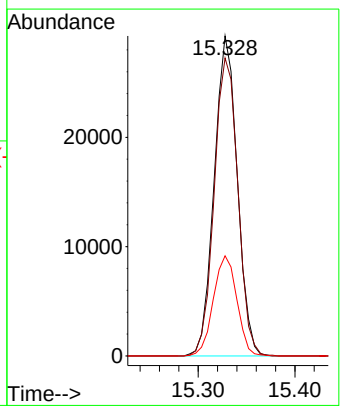


#96
1,2,3-Trichlorobenzene
Concen: 18.888 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022255.D
Acq: 15 May 2025 10:39

Tgt Ion:180 Resp: 48444

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	31.9	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

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Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	267598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	439323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144713	49.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.960%			
35) Dibromofluoromethane	7.634	113	132404	50.495	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%			
50) Toluene-d8	10.103	98	540296	50.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.408	95	169827	49.891	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	135726	48.608	ug/l	100
3) Chloromethane	2.062	50	278892	47.481	ug/l	100
4) Vinyl Chloride	2.202	62	323792	49.341	ug/l	100
5) Bromomethane	2.592	94	234736	43.941	ug/l	100
6) Chloroethane	2.732	64	202370	49.569	ug/l	100
7) Trichlorofluoromethane	3.050	101	324887	48.898	ug/l	100
8) Diethyl Ether	3.452	74	78670	49.338	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	144018	49.930	ug/l	100
10) Methyl Iodide	4.007	142	183918	55.091	ug/l	100
11) Tert butyl alcohol	4.872	59	51598	231.036	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	144103	50.344	ug/l	100
13) Acrolein	3.653	56	75423	231.010	ug/l	100
14) Allyl chloride	4.379	41	256499	51.106	ug/l	100
15) Acrylonitrile	5.061	53	160496	244.283	ug/l	100
16) Acetone	3.873	43	124421	226.888	ug/l	100
17) Carbon Disulfide	4.104	76	468979	50.244	ug/l	100
18) Methyl Acetate	4.385	43	80820	48.436	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	390412	49.466	ug/l	100
20) Methylene Chloride	4.616	84	159764	45.087	ug/l	100
21) trans-1,2-Dichloroethene	5.110	96	158544	50.181	ug/l	100
22) Diisopropyl ether	6.019	45	531560	50.152	ug/l	100
23) Vinyl Acetate	5.958	43	1570214	245.223	ug/l	100
24) 1,1-Dichloroethane	5.915	63	298823	50.465	ug/l	100
25) 2-Butanone	6.896	43	215828	235.291	ug/l	100
26) 2,2-Dichloropropane	6.884	77	264141	50.153	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	184842	50.698	ug/l	100
28) Bromochloromethane	7.244	49	126541	50.100	ug/l	100
29) Tetrahydrofuran	7.262	42	142772	241.931	ug/l	100
30) Chloroform	7.421	83	288708	50.831	ug/l	100
31) Cyclohexane	7.701	56	282375	47.728	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	259382	49.777	ug/l	100
36) 1,1-Dichloropropene	7.835	75	221943	51.388	ug/l	100
37) Ethyl Acetate	6.988	43	102924	49.529	ug/l	100
38) Carbon Tetrachloride	7.817	117	226903	50.754	ug/l	100
39) Methylcyclohexane	9.109	83	294336	50.726	ug/l	100
40) Benzene	8.079	78	658644	51.442	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	69476m	45.691 ug/l		
42) 1,2-Dichloroethane	8.158	62	176425	50.954 ug/l		100
43) Isopropyl Acetate	8.195	43	225628	49.785 ug/l		100
44) Trichloroethene	8.866	130	162802	51.138 ug/l		100
45) 1,2-Dichloropropane	9.140	63	156870	50.819 ug/l		100
46) Dibromomethane	9.231	93	82994	49.849 ug/l		100
47) Bromodichloromethane	9.420	83	222159	51.435 ug/l		100
48) Methyl methacrylate	9.219	41	105390	49.726 ug/l		100
49) 1,4-Dioxane	9.231	88	18027	958.446 ug/l		100
51) 4-Methyl-2-Pentanone	9.999	43	556123	250.085 ug/l		100
52) Toluene	10.170	92	414584	51.134 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	213993	50.768 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	246990	51.143 ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	106676	50.036 ug/l		100
56) Ethyl methacrylate	10.438	69	167259	50.364 ug/l		100
57) 1,3-Dichloropropane	10.719	76	192275	50.759 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	403074	270.408 ug/l		100
59) 2-Hexanone	10.762	43	365111	244.881 ug/l		100
60) Dibromochloromethane	10.908	129	141896	51.278 ug/l		100
61) 1,2-Dibromoethane	11.012	107	99822	50.236 ug/l		100
64) Tetrachloroethene	10.646	164	178854	51.249 ug/l		100
65) Chlorobenzene	11.438	112	435874	51.169 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	148798	50.811 ug/l		100
67) Ethyl Benzene	11.518	91	821168	51.473 ug/l		100
68) m/p-Xylenes	11.627	106	617646	102.746 ug/l		100
69) o-Xylene	11.950	106	289897	50.971 ug/l		100
70) Styrene	11.969	104	491792	51.260 ug/l		100
71) Bromoform	12.133	173	78794	49.849 ug/l	#	100
73) Isopropylbenzene	12.255	105	756905	50.657 ug/l		100
74) N-amyl acetate	12.066	43	209097	48.930 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	113234	49.277 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	90281m	28.402 ug/l		
77) Bromobenzene	12.530	156	161475	50.599 ug/l		100
78) n-propylbenzene	12.597	91	924664	51.306 ug/l		100
79) 2-Chlorotoluene	12.676	91	505684	51.058 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	615033	50.991 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	42692	47.331 ug/l		100
82) 4-Chlorotoluene	12.773	91	524270	51.464 ug/l		100
83) tert-Butylbenzene	12.999	119	546231	50.952 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	615550	51.410 ug/l		100
85) sec-Butylbenzene	13.176	105	824725	51.825 ug/l		100
86) p-Isopropyltoluene	13.292	119	688561	51.446 ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	331536	50.890 ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	315598	50.363 ug/l		100
89) n-Butylbenzene	13.615	91	661532	52.245 ug/l		100
90) Hexachloroethane	13.877	117	137225	50.791 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	276666	50.558 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18039	48.682 ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	162275	51.338 ug/l		100
94) Hexachlorobutadiene	15.023	225	90452	51.313 ug/l		100
95) Naphthalene	15.145	128	298075	49.692 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	135673	50.596 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:23:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022256.D
Acq On : 15 May 2025 11:02
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: May 16 01:23:10 2025
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Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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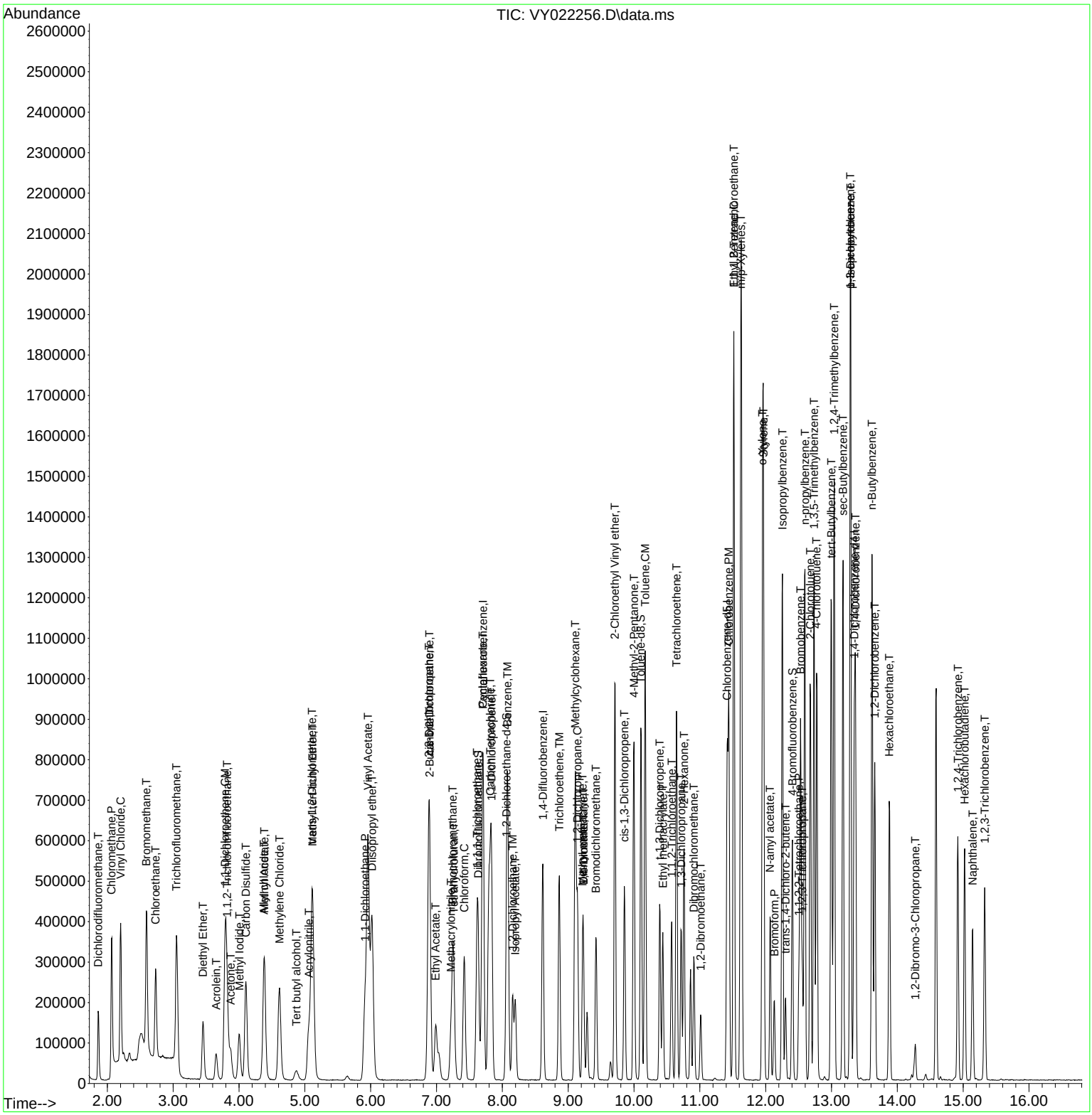
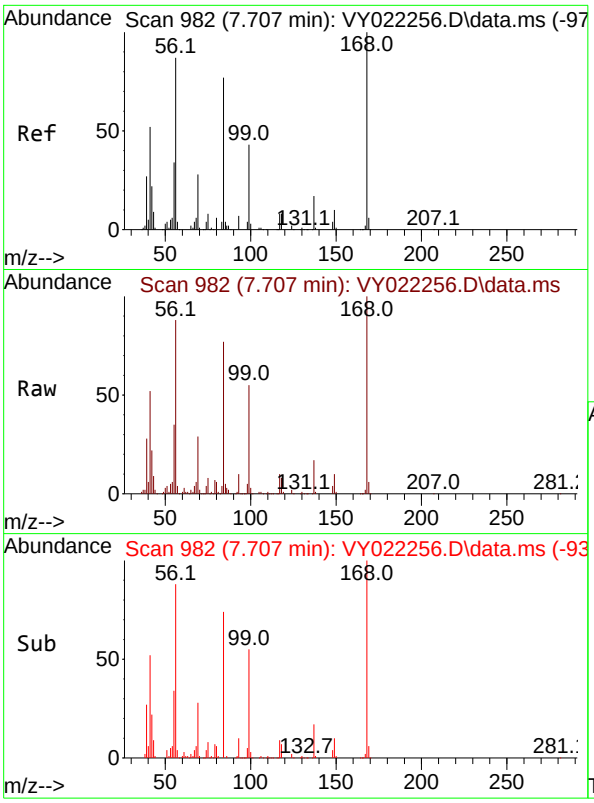
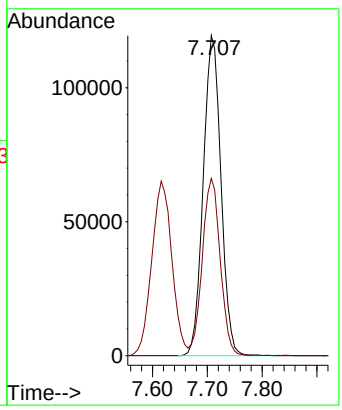




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:168 Resp: 26759

Ion	Ratio	Lower	Upper
168	100		
99	55.3	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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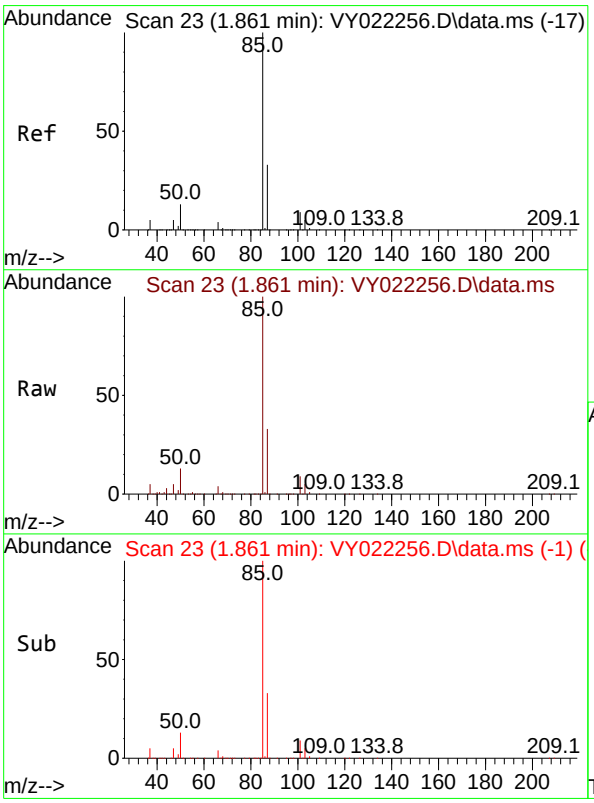
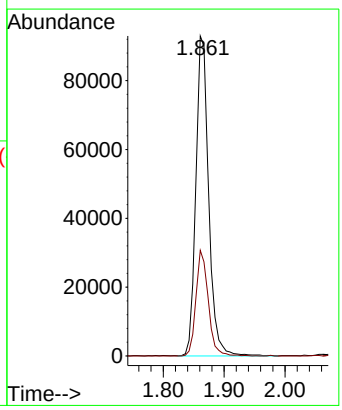
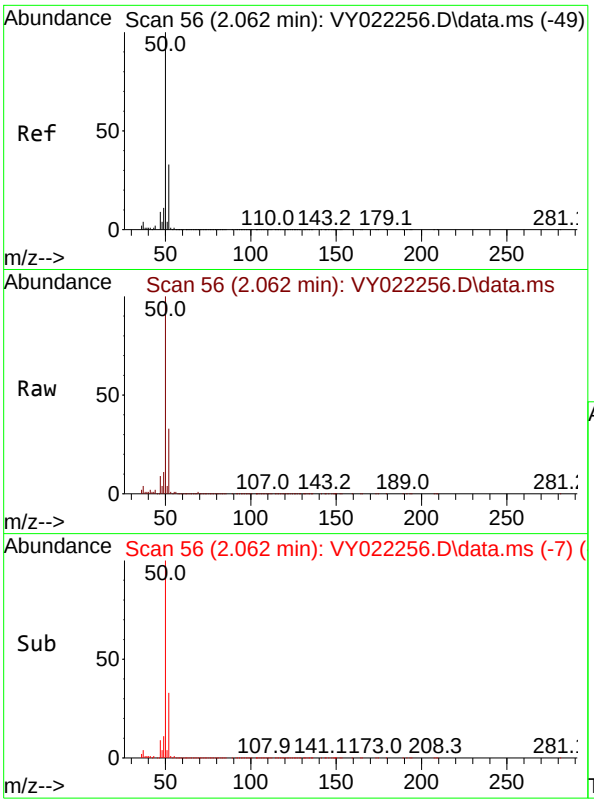


#2
Dichlorodifluoromethane
Concen: 48.608 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 85 Resp: 135726

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.5	49.5





#3
Chloromethane
Concen: 47.481 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 50 Resp: 27889

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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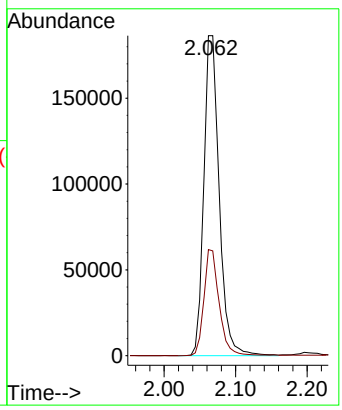
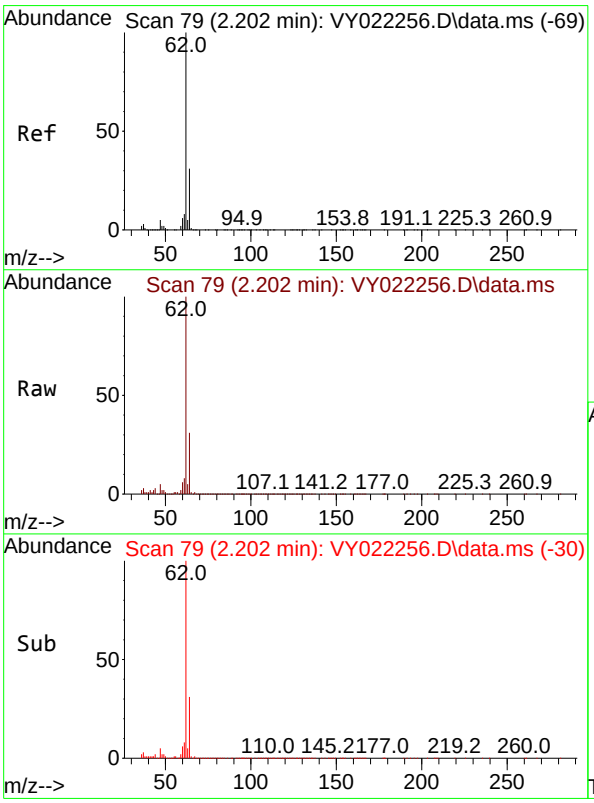
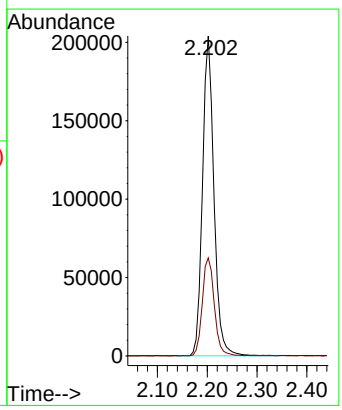


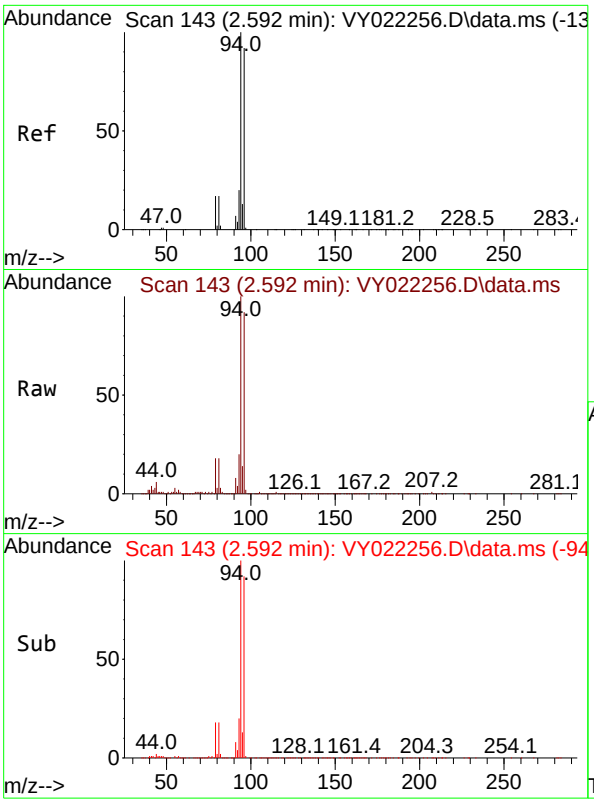


#4
Vinyl Chloride
Concen: 49.341 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 323792

Ion	Ratio	Lower	Upper
62	100		
64	30.6	24.5	36.7





#5
Bromomethane
Concen: 43.941 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 94 Resp: 23473

Ion	Ratio	Lower	Upper
94	100		
96	91.7	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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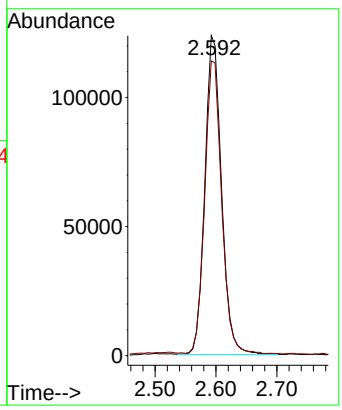
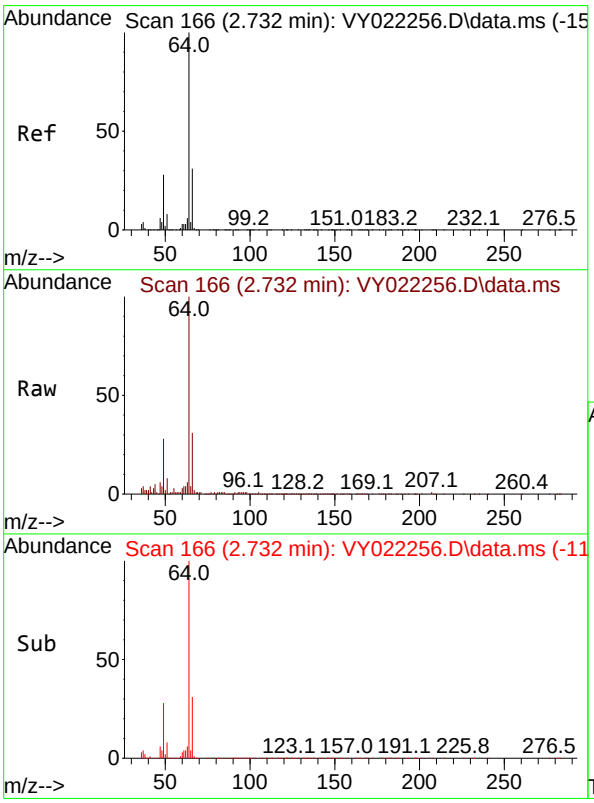
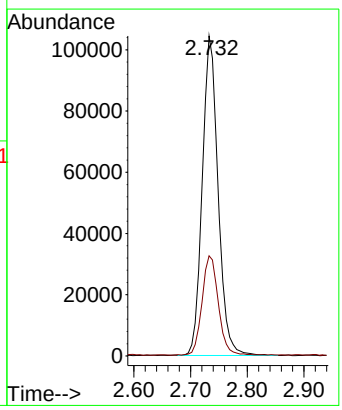


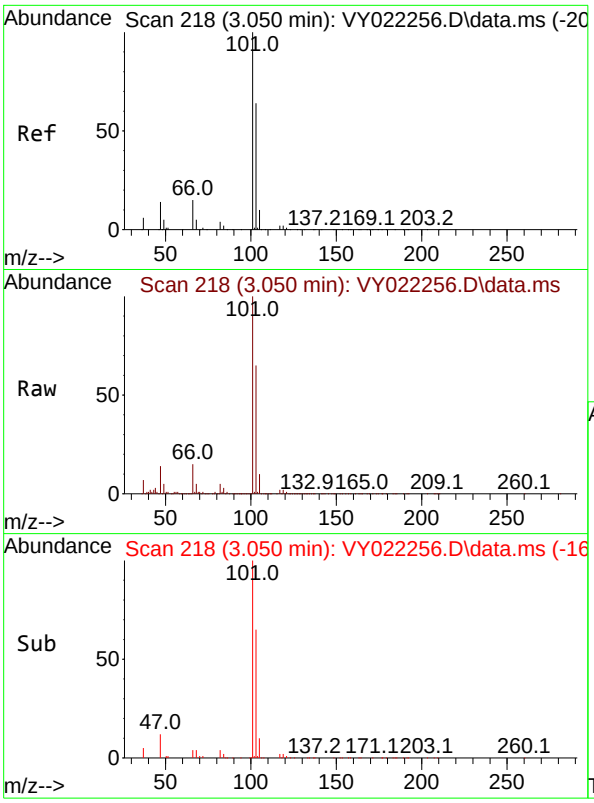


#6
Chloroethane
Concen: 49.569 ug/l
RT: 2.732 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 64 Resp: 202370

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.8	37.2

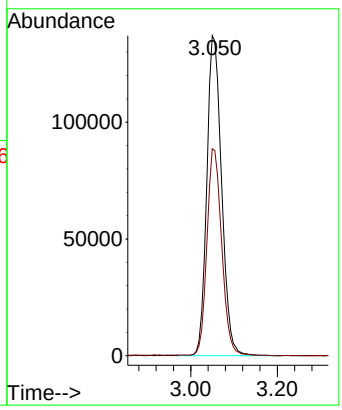




#7
Trichlorofluoromethane
Concen: 48.898 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:101 Resp: 32488

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
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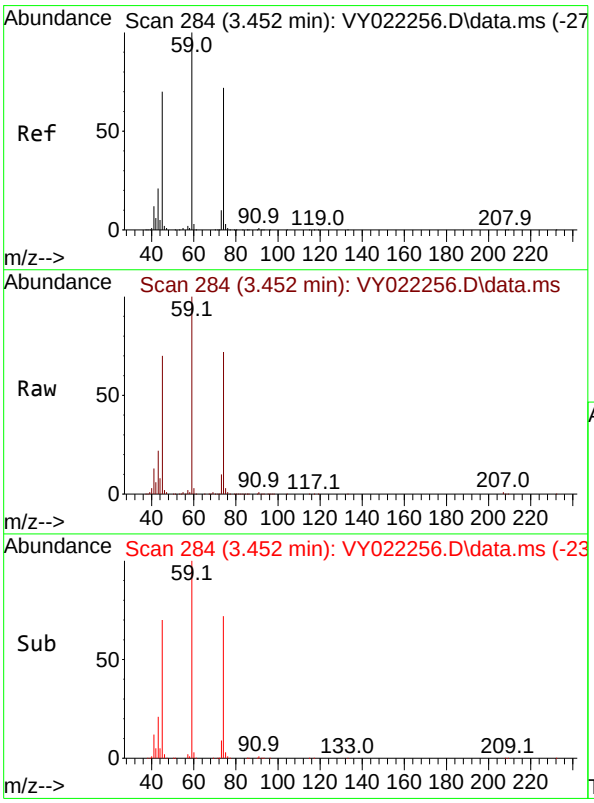
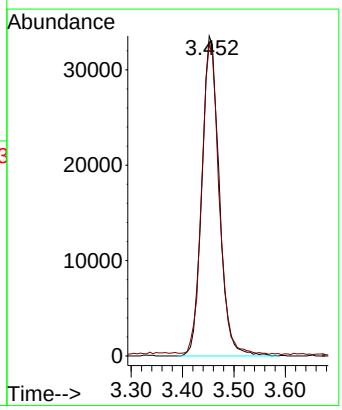
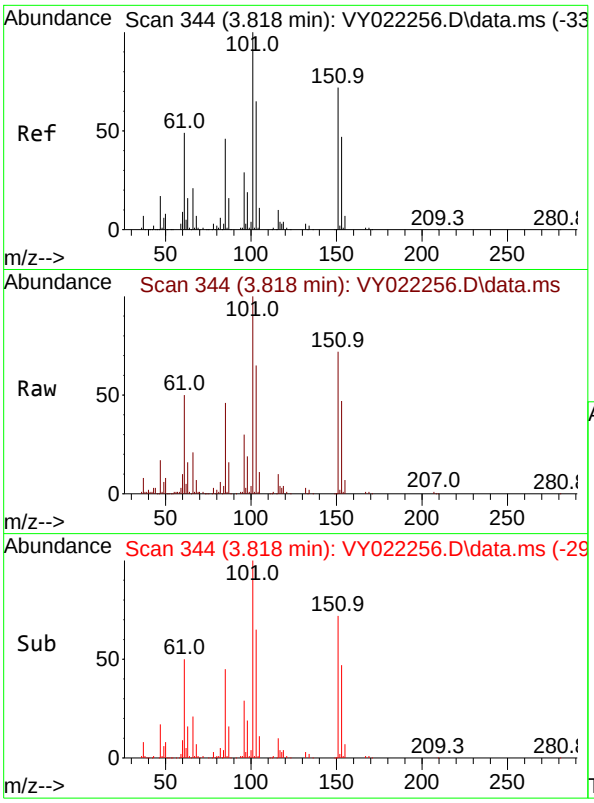


#8
Diethyl Ether
Concen: 49.338 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 74 Resp: 78670

Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.930 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:101 Resp: 144018

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	74.6	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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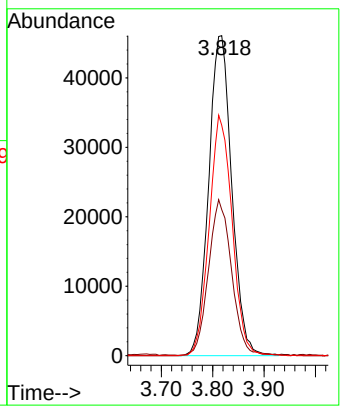
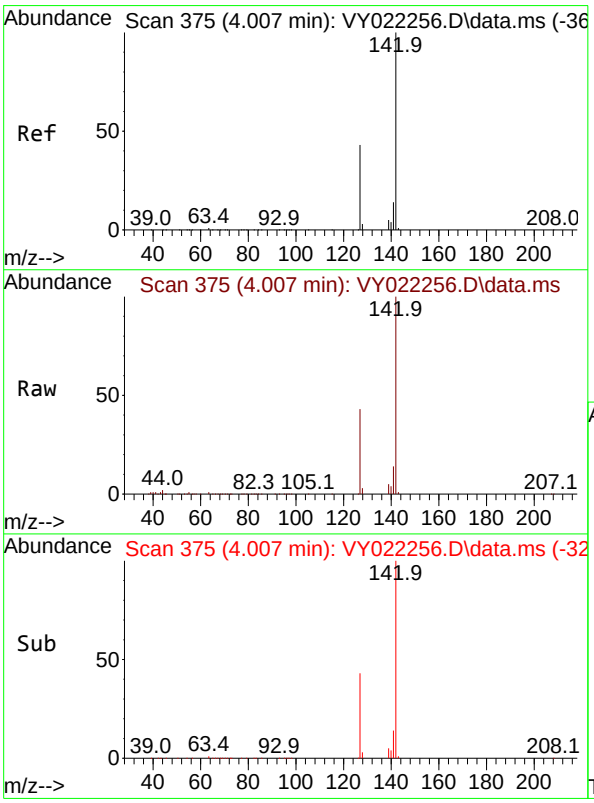
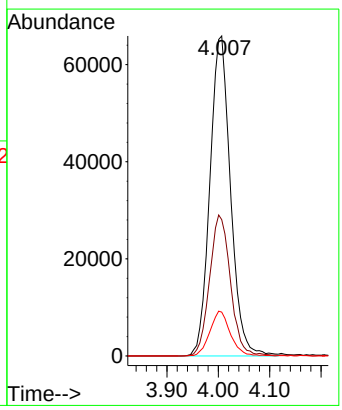


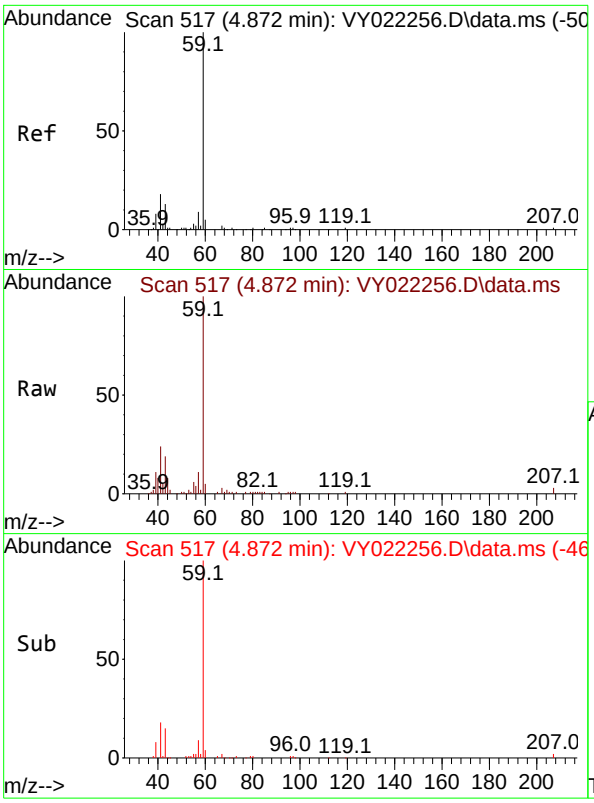


#10
Methyl Iodide
Concen: 55.091 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:142 Resp: 183918

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.7	53.5
141	13.9	11.1	16.7

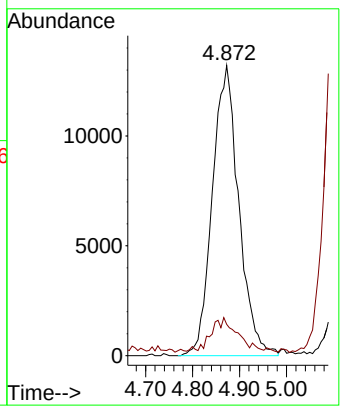




#11
Tert butyl alcohol
Concen: 231.036 ug/l
RT: 4.872 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 59 Resp: 5159

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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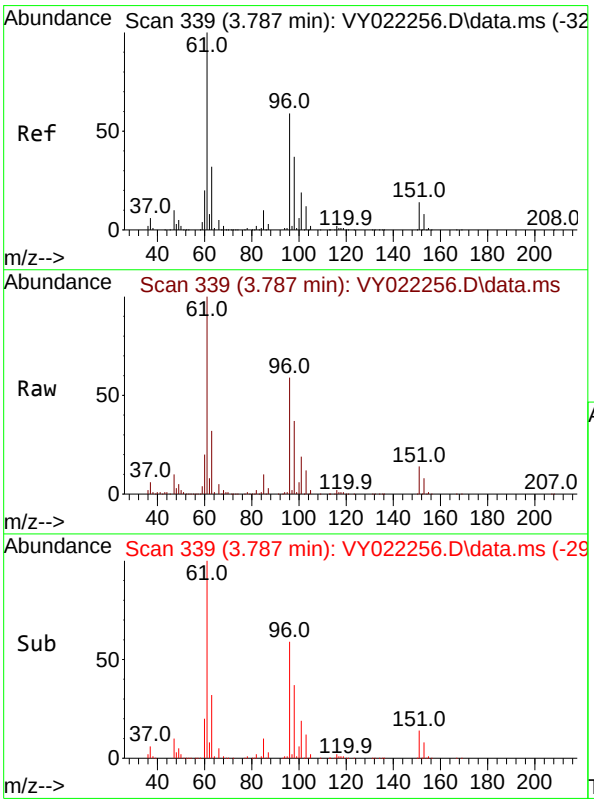
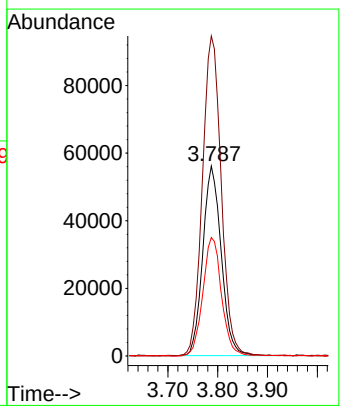
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

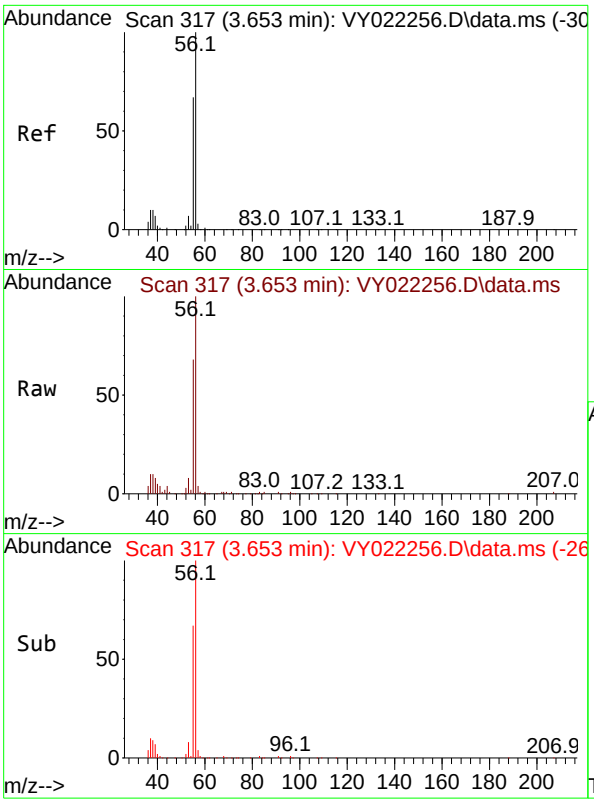


#12
1,1-Dichloroethene
Concen: 50.344 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 144103

Ion	Ratio	Lower	Upper
96	100		
61	168.6	134.9	202.3
98	62.4	49.9	74.9





#13
Acrolein
Concen: 231.010 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 56 Resp: 7542

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.6	83.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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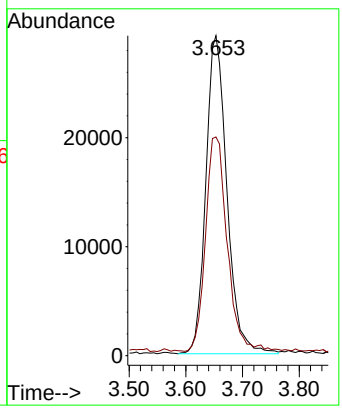
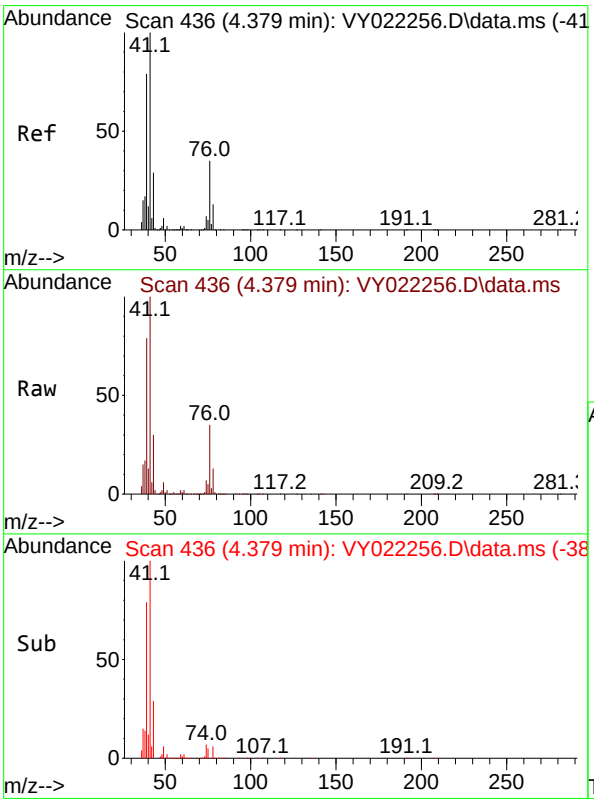
Supervised By :Semsettin Yesilyurt 05/16/2025

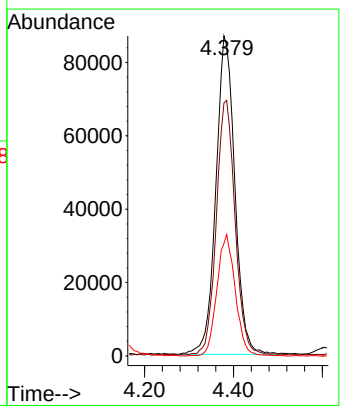


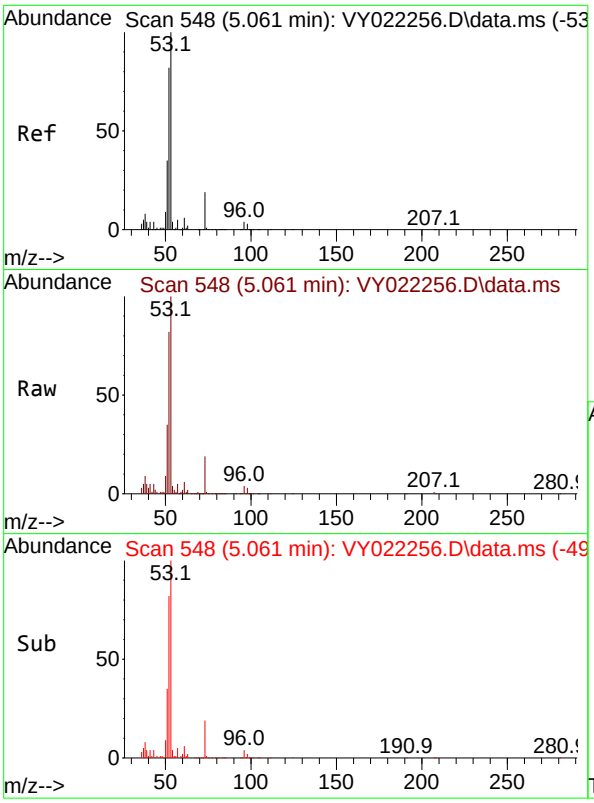


#14
Allyl chloride
Concen: 51.106 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 256499

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.9	29.5	44.3





#15
Acrylonitrile
Concen: 244.283 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 53 Resp: 16049

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	37.5	30.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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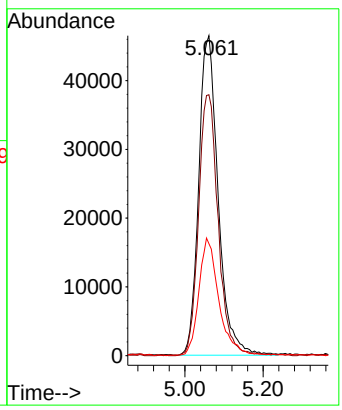
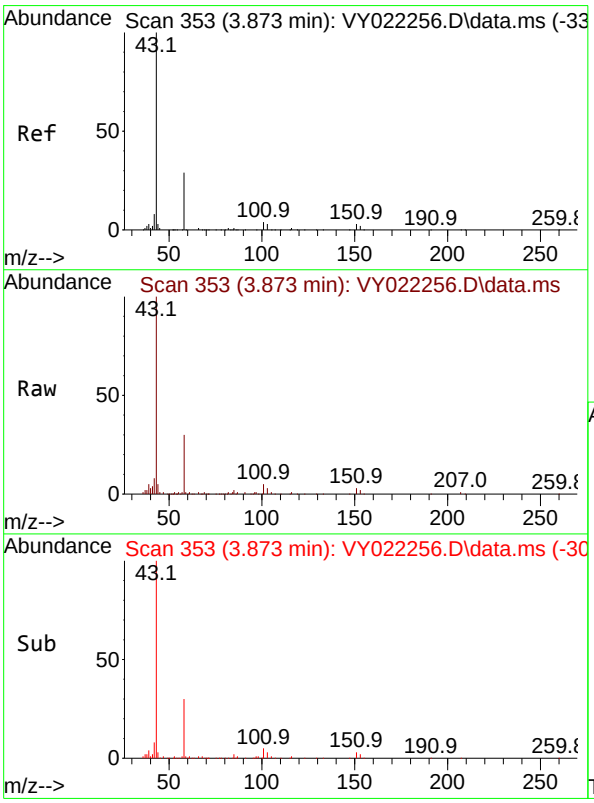
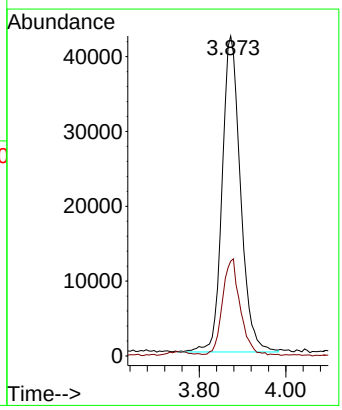


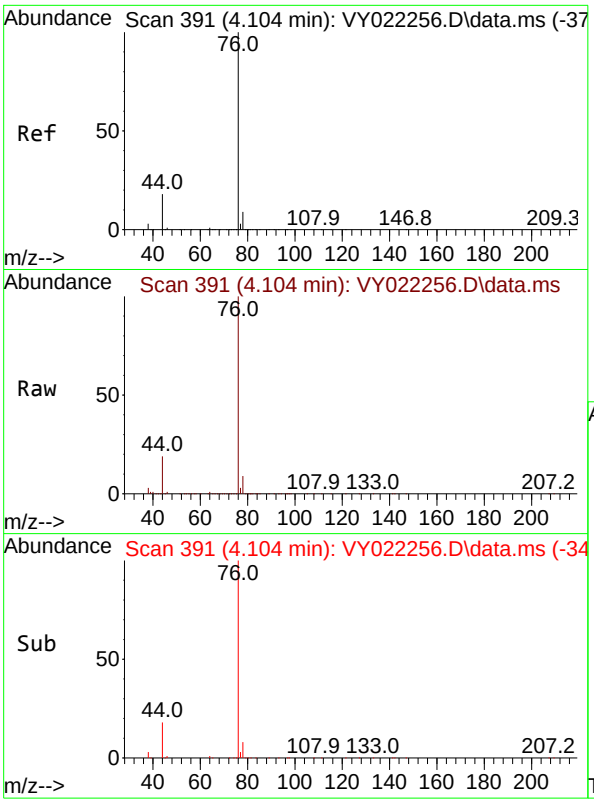


#16
Acetone
Concen: 226.888 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 124421

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





#17
Carbon Disulfide
Concen: 50.244 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 76 Resp: 46897

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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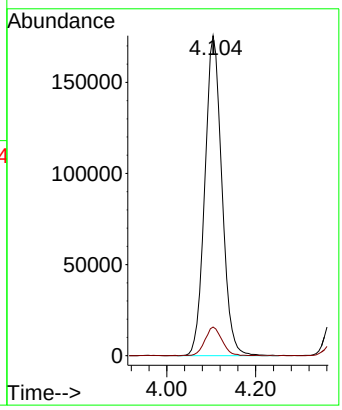
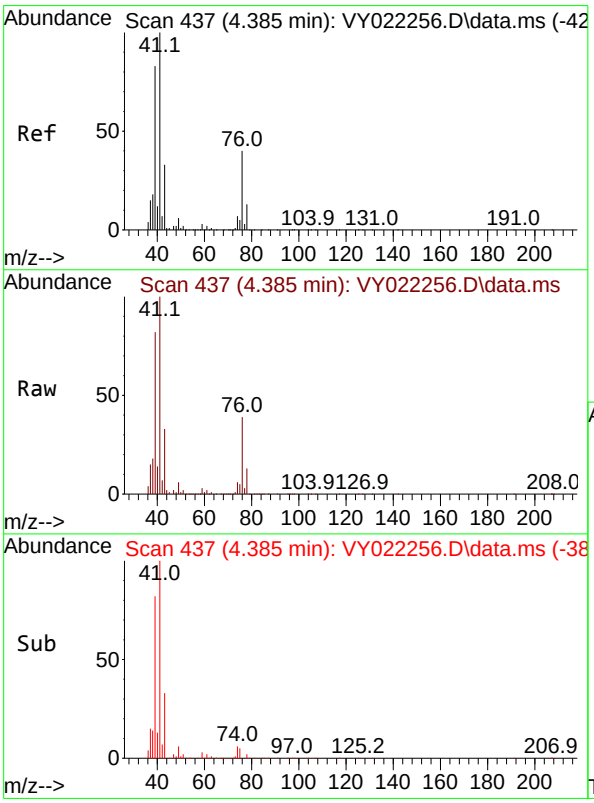
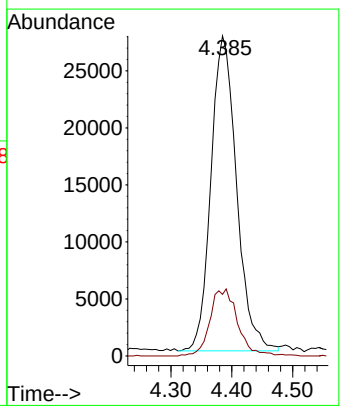


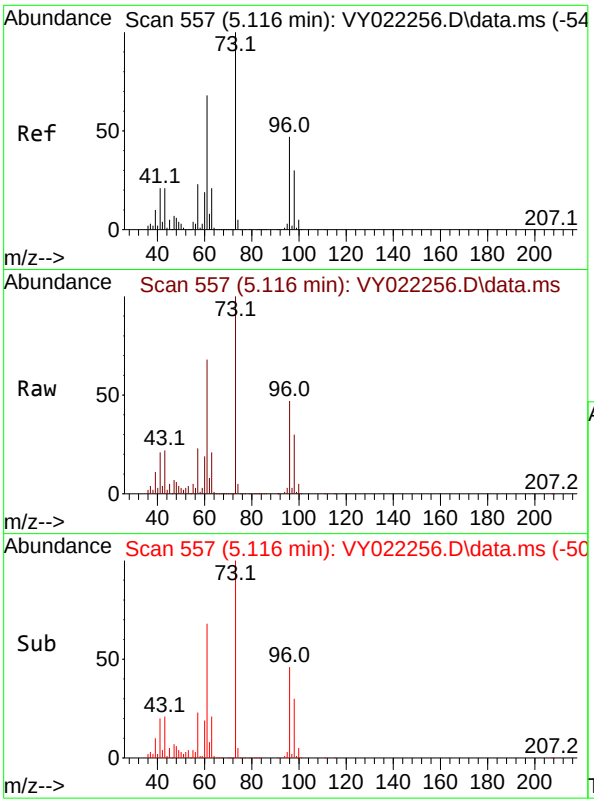


#18
Methyl Acetate
Concen: 48.436 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 80820

Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.2	27.4

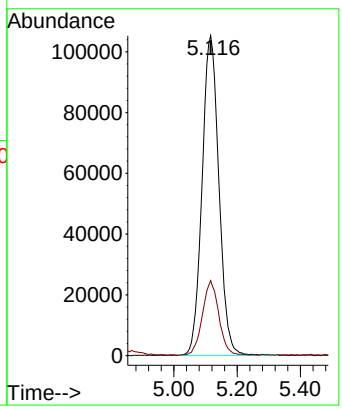




#19
Methyl tert-butyl Ether
Concen: 49.466 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 73 Resp: 39041

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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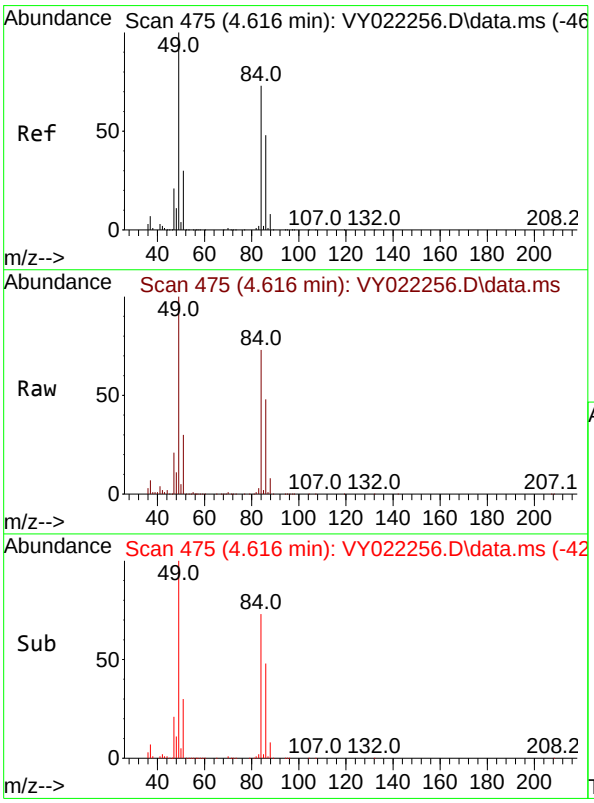
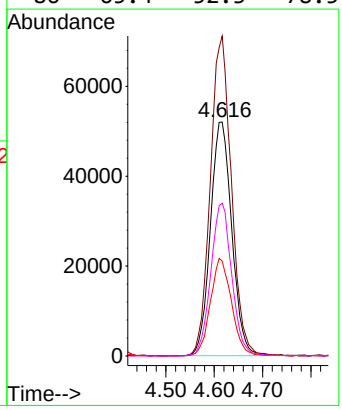
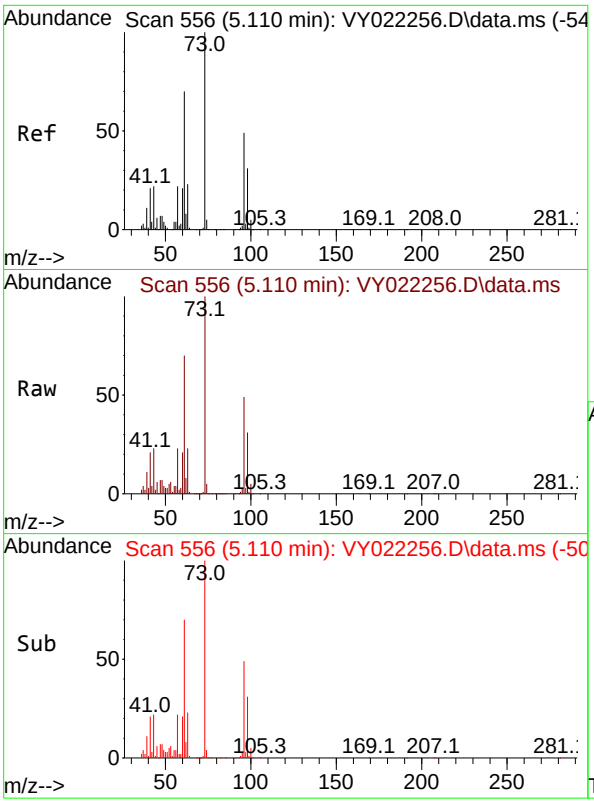


#20
Methylene Chloride
Concen: 45.087 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 84 Resp: 159764

Ion	Ratio	Lower	Upper
84	100		
49	137.0	109.6	164.4
51	40.5	32.4	48.6
86	65.4	52.3	78.5

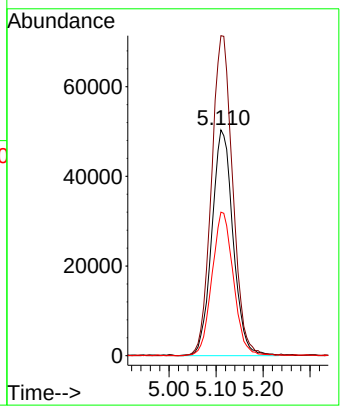




#21
trans-1,2-Dichloroethene
Concen: 50.181 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 15854

Ion	Ratio	Lower	Upper
96	100		
61	141.7	113.4	170.0
98	63.6	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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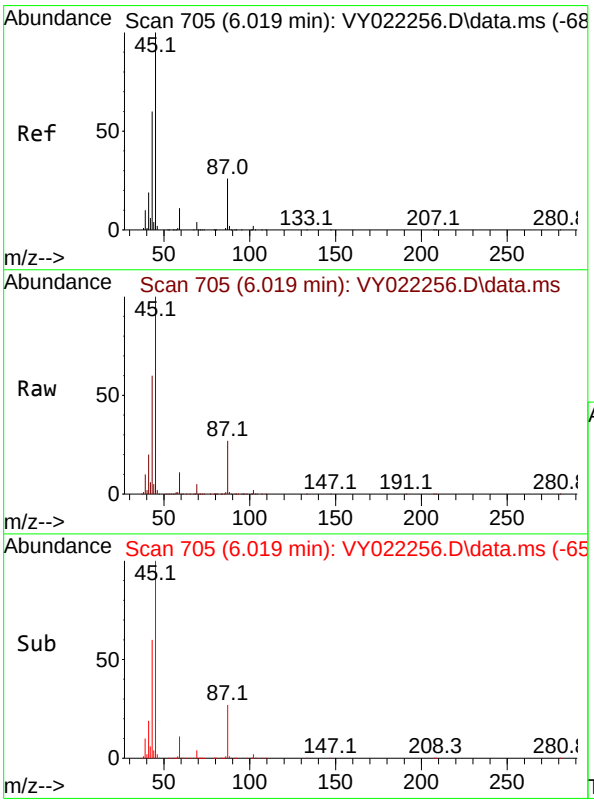
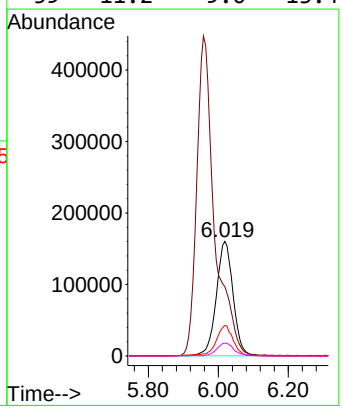
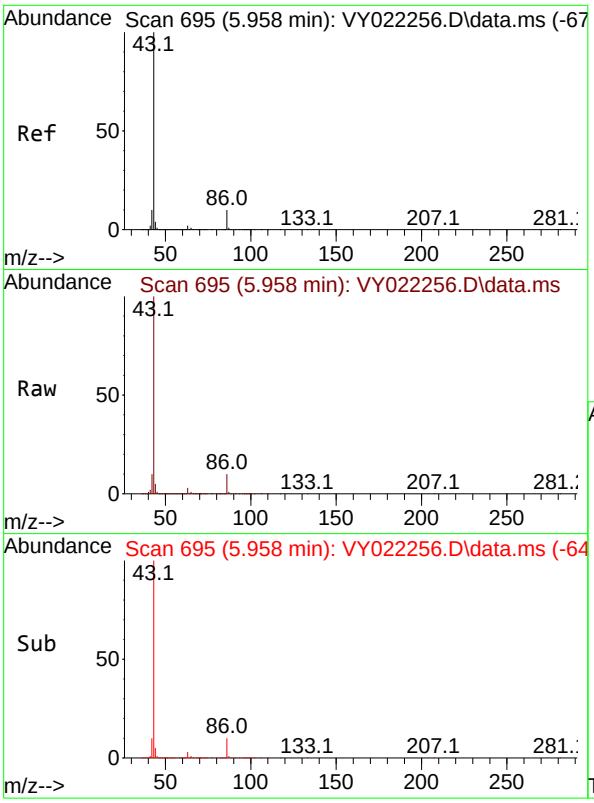


#22
Diisopropyl ether
Concen: 50.152 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 45 Resp: 531560

Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.2	72.2
87	26.7	21.4	32.0
59	11.2	9.0	13.4

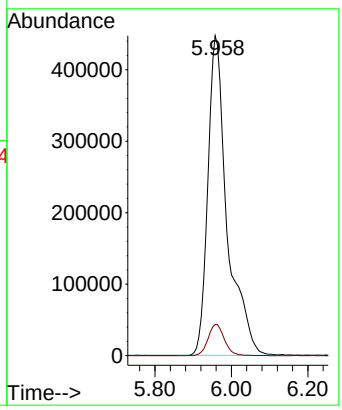




#23
Vinyl Acetate
Concen: 245.223 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 157021

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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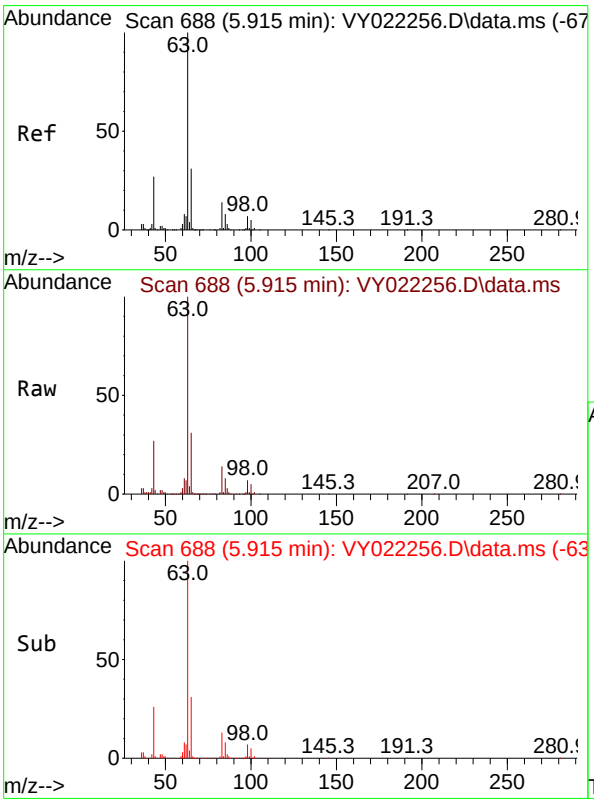
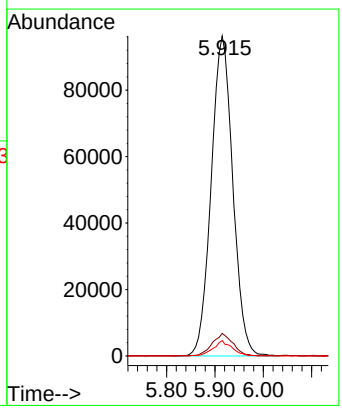
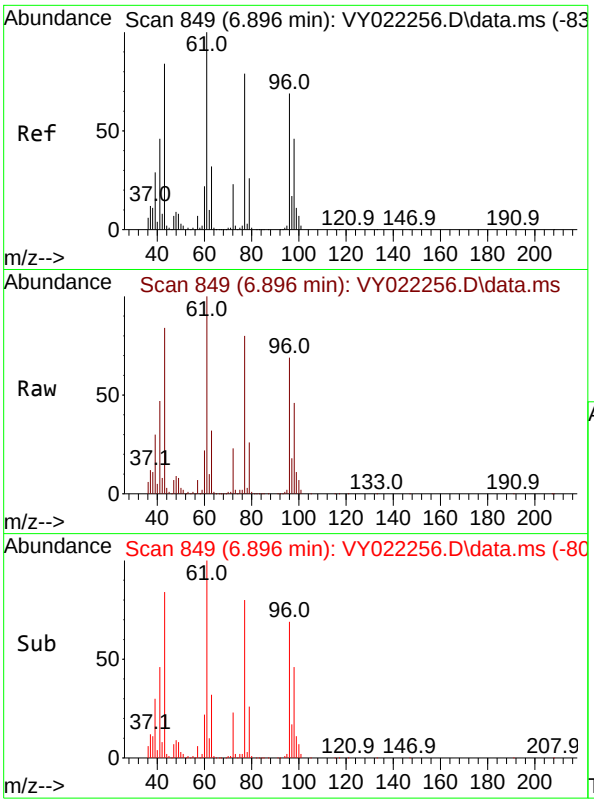


#24
1,1-Dichloroethane
Concen: 50.465 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 298823

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.8	2.4	7.2





#25
2-Butanone
Concen: 235.291 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 21582

Ion	Ratio	Lower	Upper
43	100		
72	27.6	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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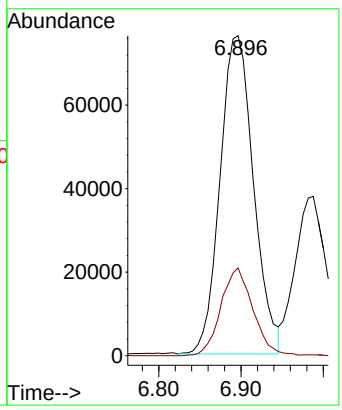
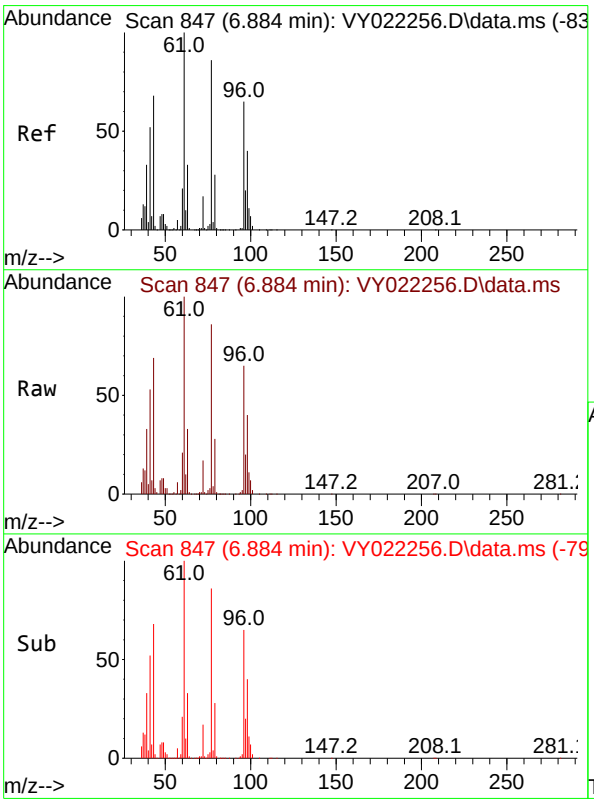
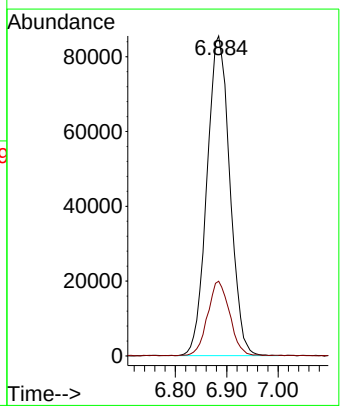


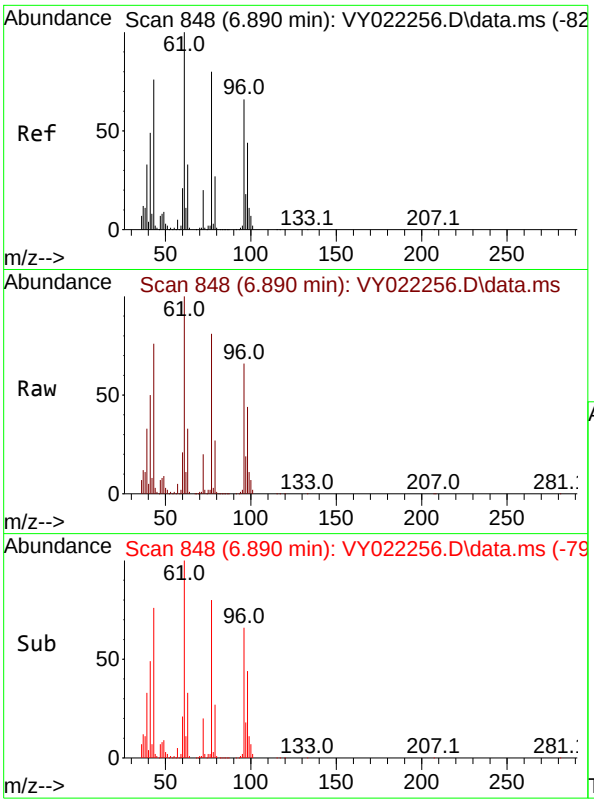


#26
2,2-Dichloropropane
Concen: 50.153 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 77 Resp: 264141

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 50.698 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 96 Resp: 18484

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	302.6
98	64.4	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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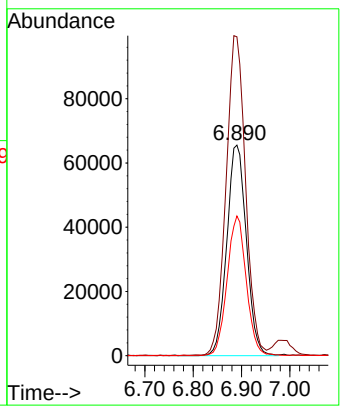
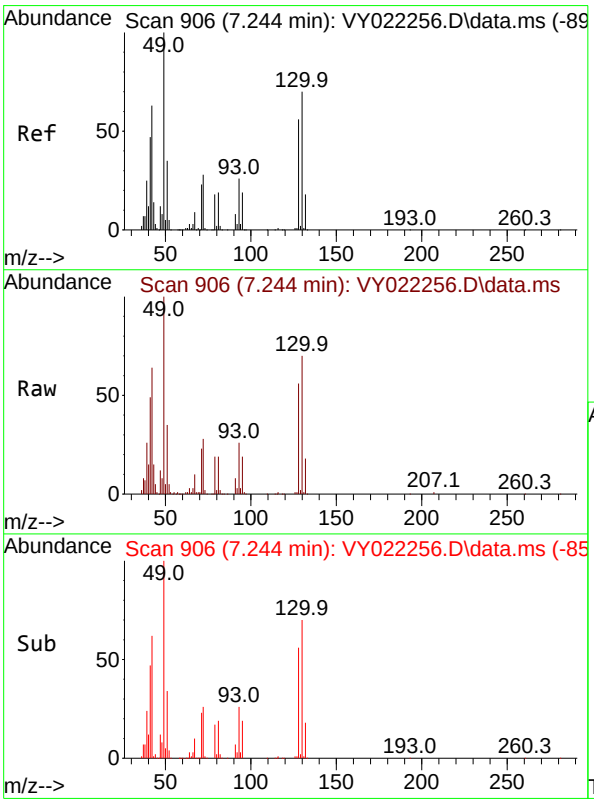
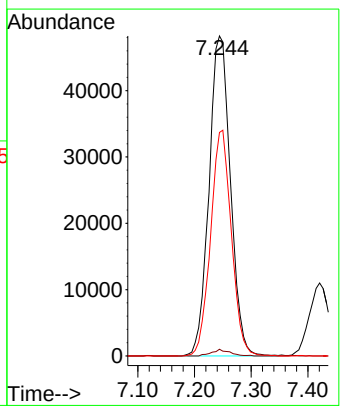


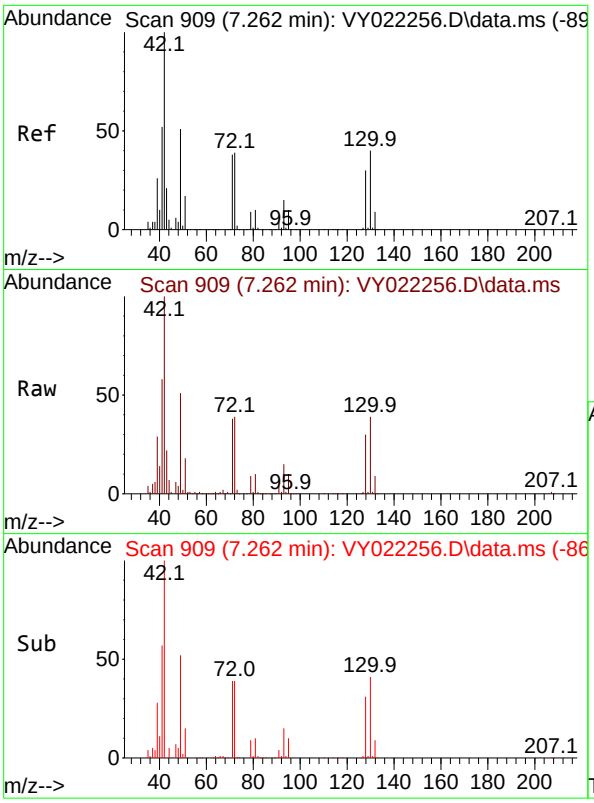


#28
Bromochloromethane
Concen: 50.100 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 49 Resp: 126541

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.4	54.7	82.1

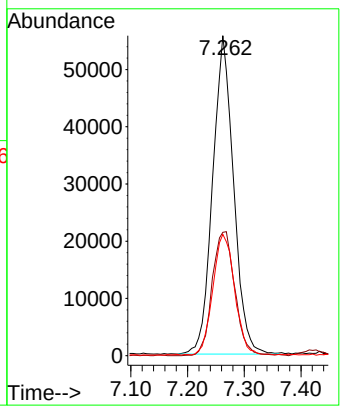




#29
Tetrahydrofuran
Concen: 241.931 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 42 Resp: 14277

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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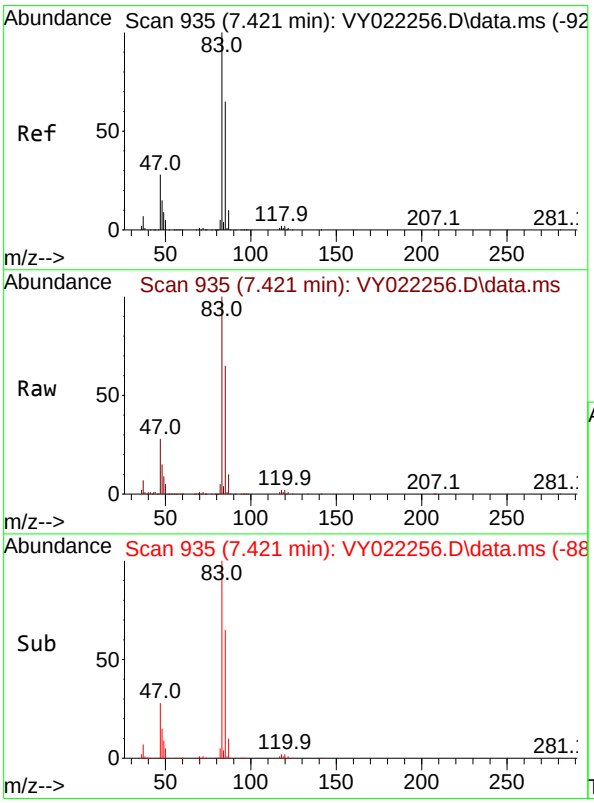
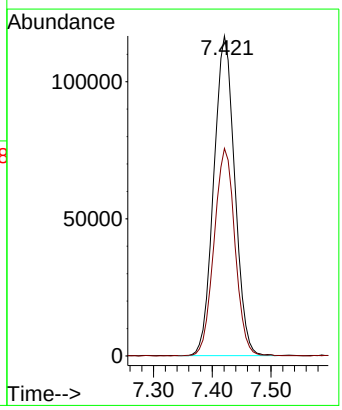
Supervised By :Semsettin Yesilyurt 05/16/2025

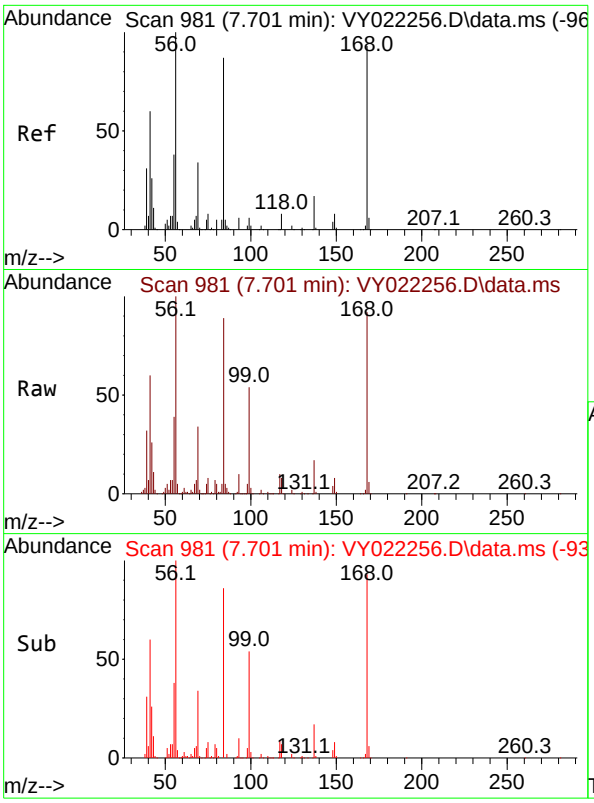


#30
Chloroform
Concen: 50.831 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 288708

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8

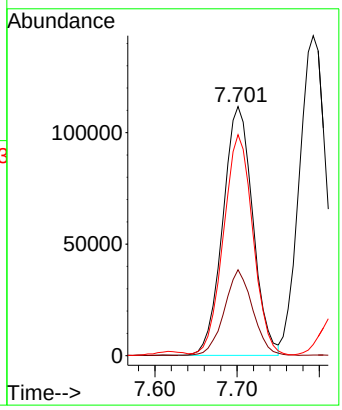




#31
Cyclohexane
Concen: 47.728 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 56 Resp: 28237

Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.4	41.2
84	87.5	70.0	105.0



Instrument :
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ClientSampleId :
VSTDICCC050

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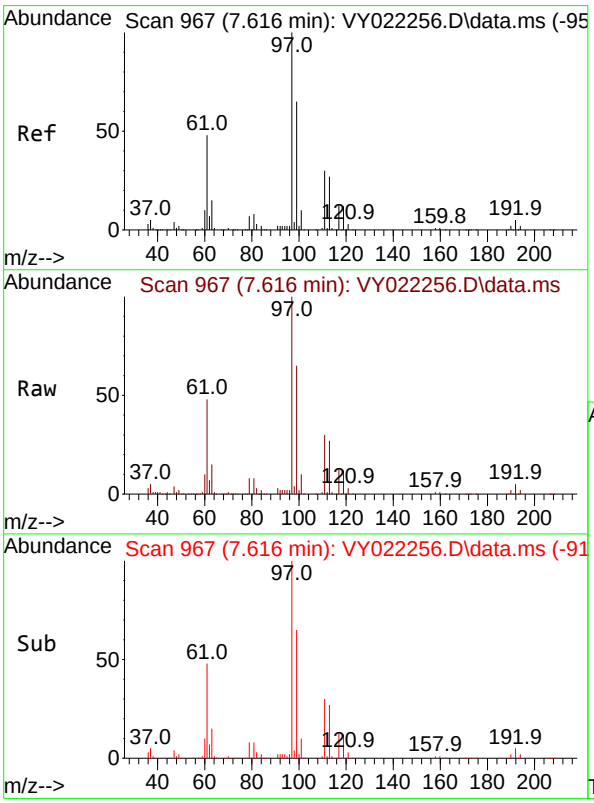
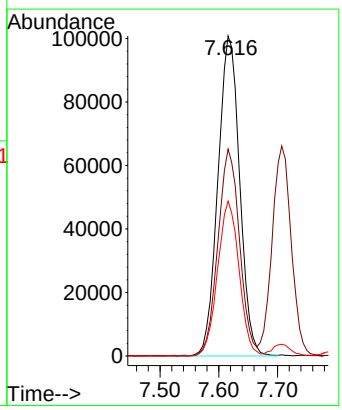
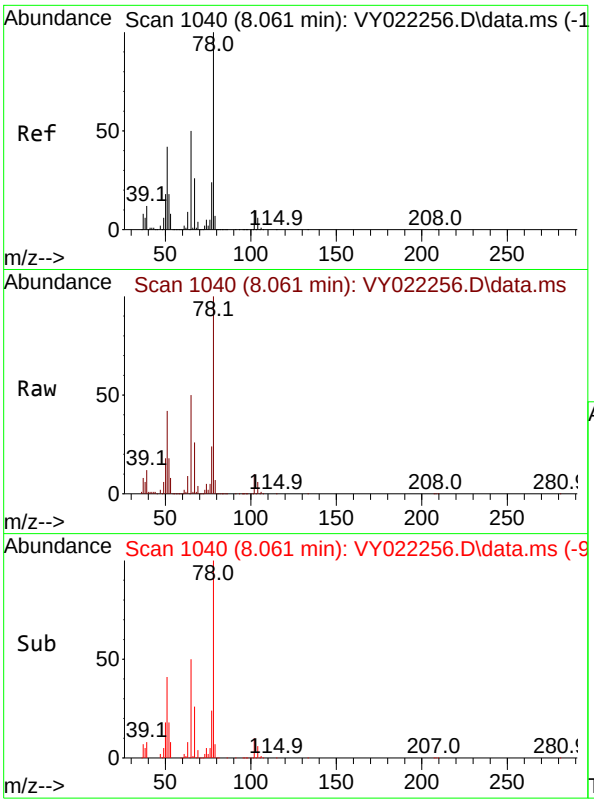


#32
1,1,1-Trichloroethane
Concen: 49.777 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 97 Resp: 259382

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	47.6	38.1	57.1

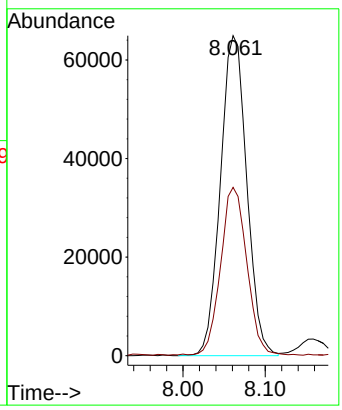




#33
1,2-Dichloroethane-d4
Concen: 49.481 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 65 Resp: 14471

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
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ClientSampleId :
VSTDICCC050

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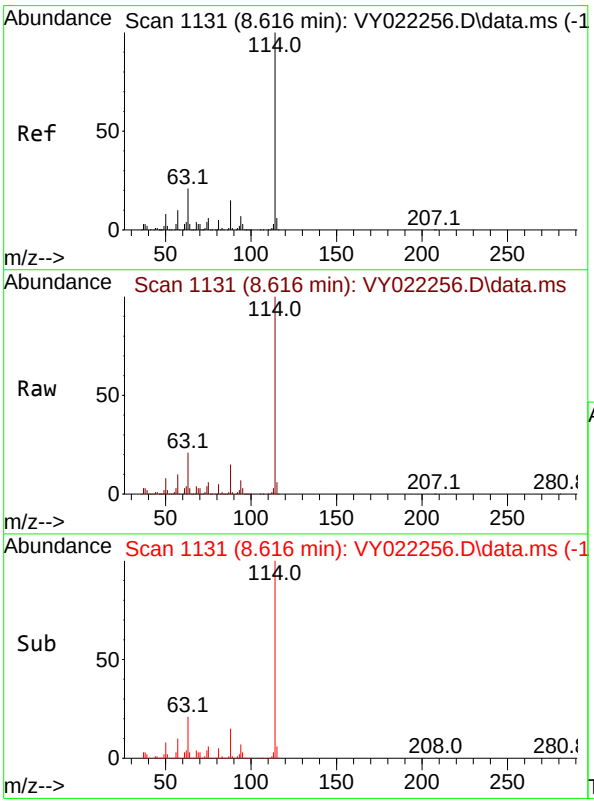
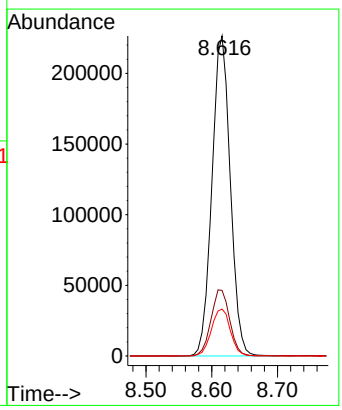
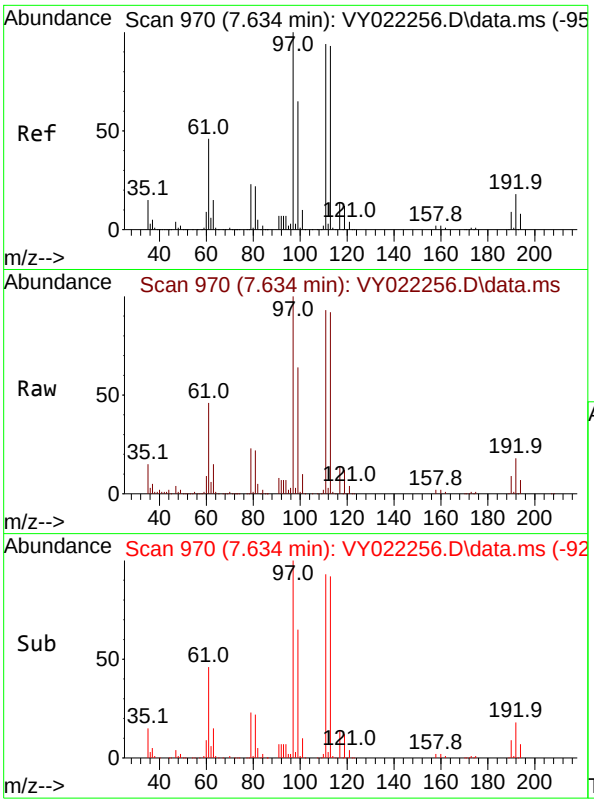


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:114 Resp: 439323

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	14.7	0.0	29.4





#35
Dibromofluoromethane
Concen: 50.495 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:113 Resp: 13240

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	19.0	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
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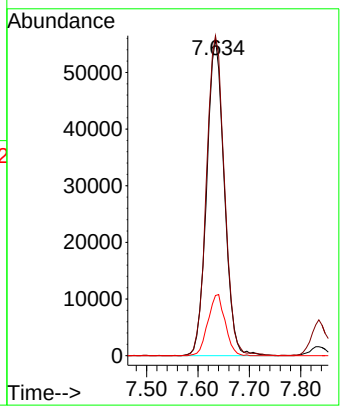
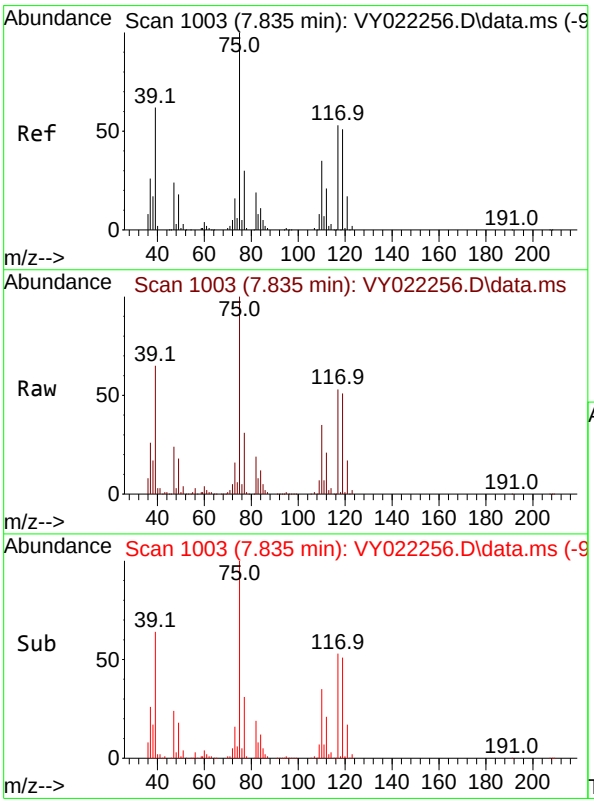
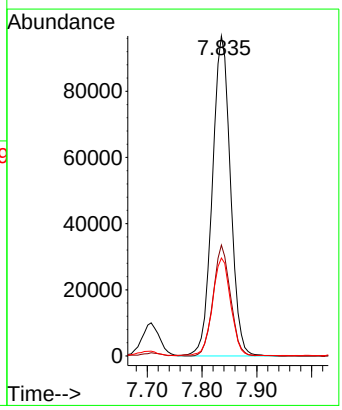


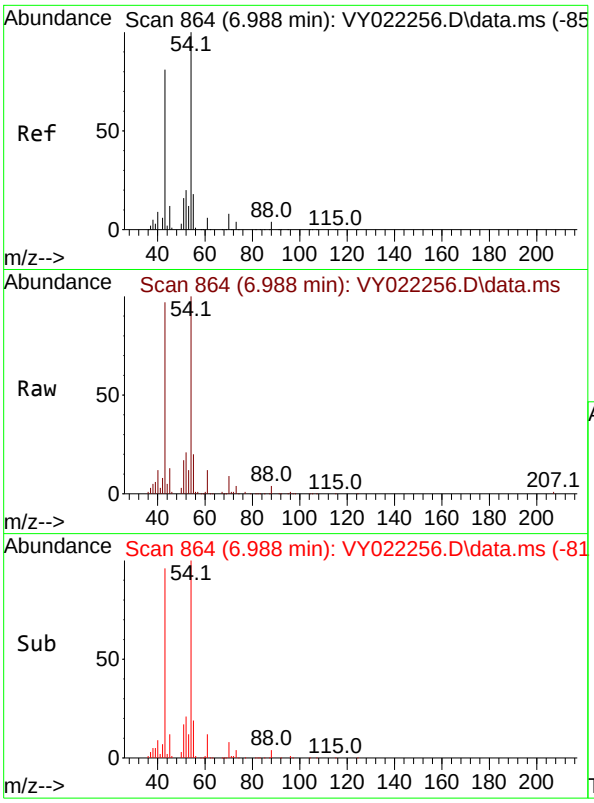


#36
1,1-Dichloropropene
Concen: 51.388 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 221943

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.8	24.6	37.0





#37
Ethyl Acetate
Concen: 49.529 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 10292

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.5	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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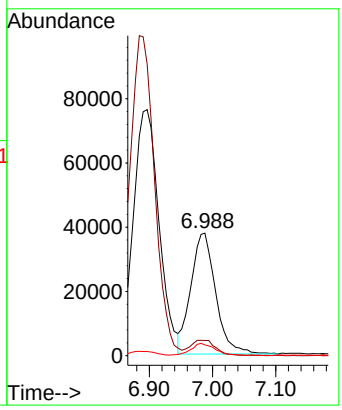
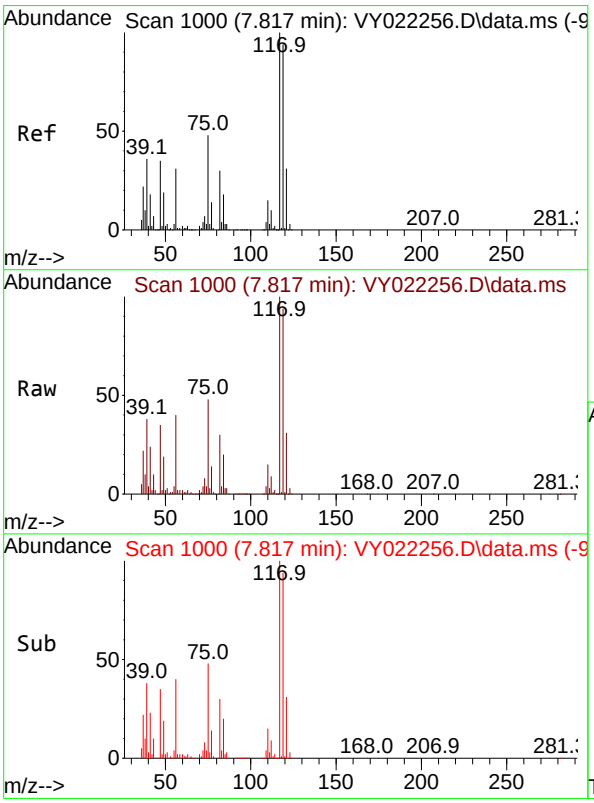
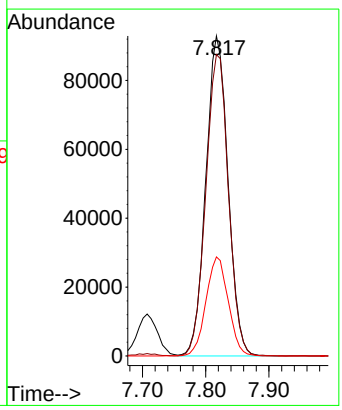


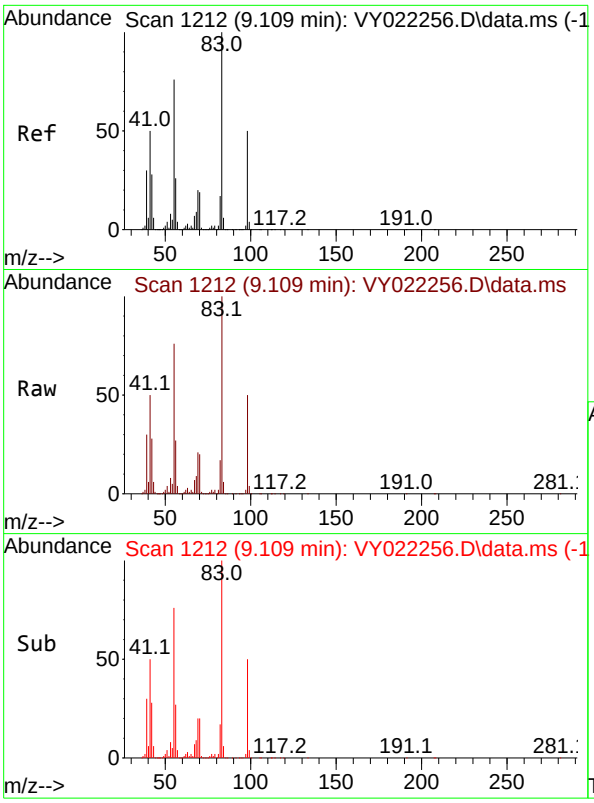


#38
Carbon Tetrachloride
Concen: 50.754 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 226903

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	30.9	24.7	37.1

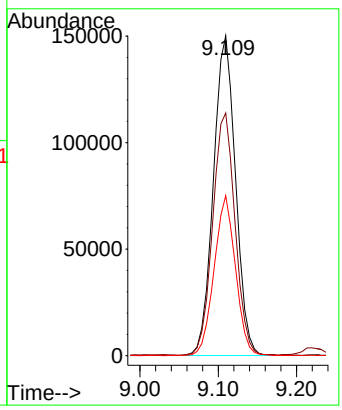




#39
Methylcyclohexane
Concen: 50.726 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 29433

Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.6	90.8
98	50.0	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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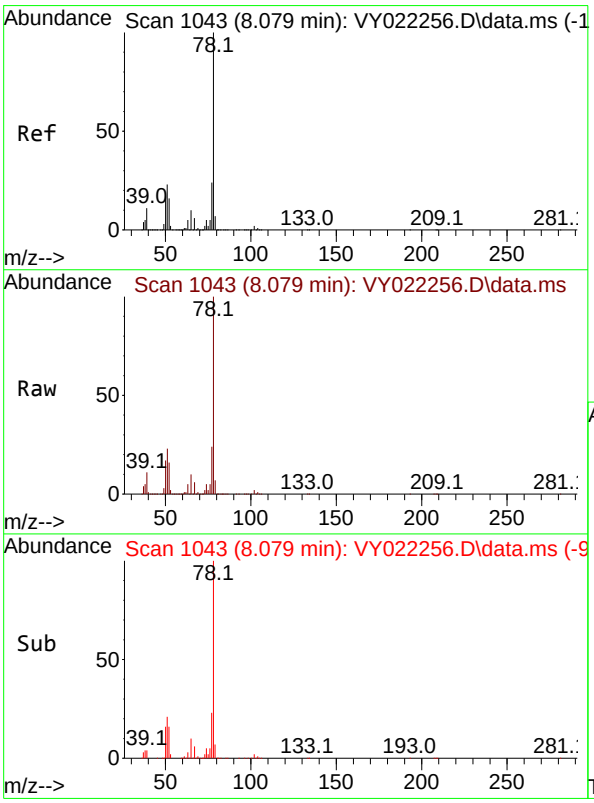
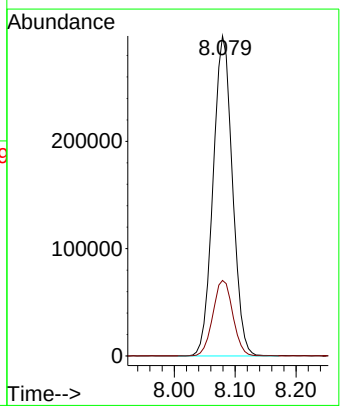
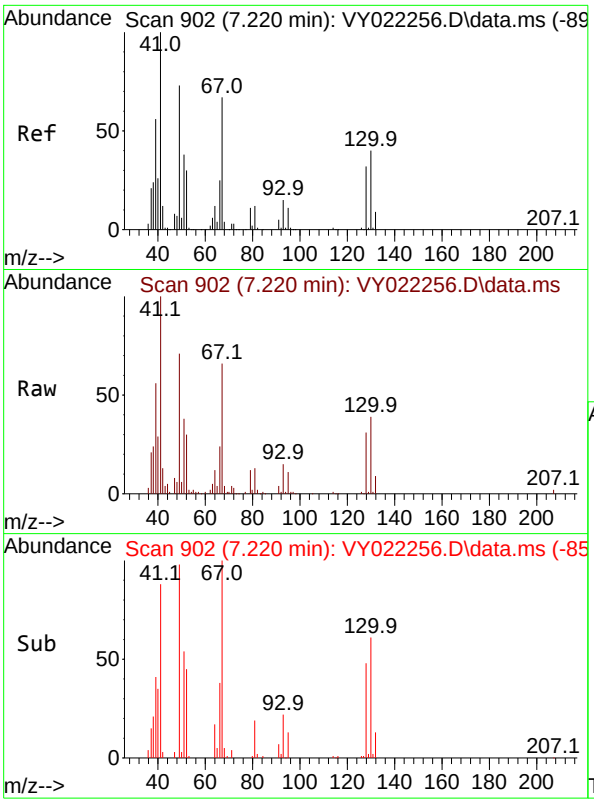


#40
Benzene
Concen: 51.442 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 78 Resp: 658644

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3

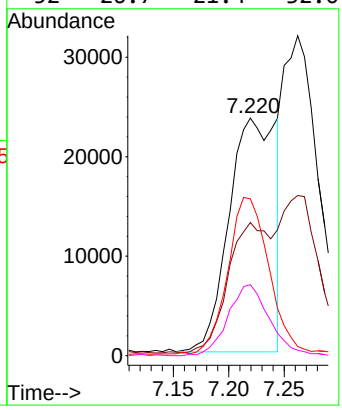




#41
Methacrylonitrile
Concen: 45.691 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 6947

Ion	Ratio	Lower	Upper
41	100		
39	48.8	39.1	58.7
67	58.7	47.1	70.7
52	26.7	21.4	32.0



Instrument :
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ClientSampleId :
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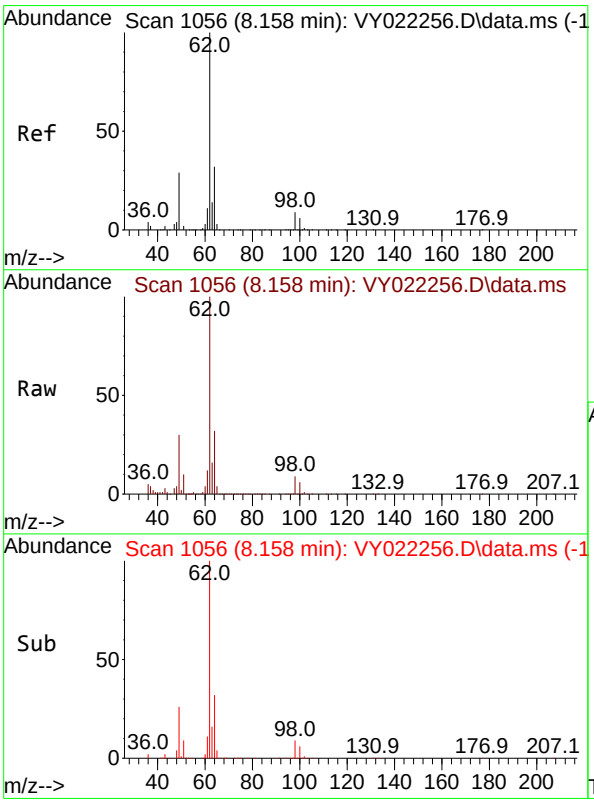
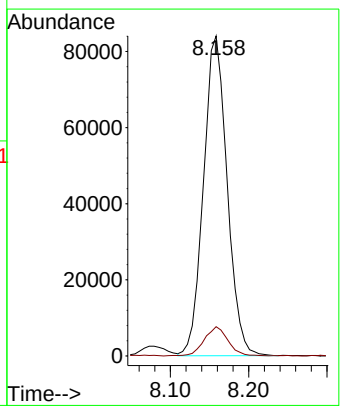
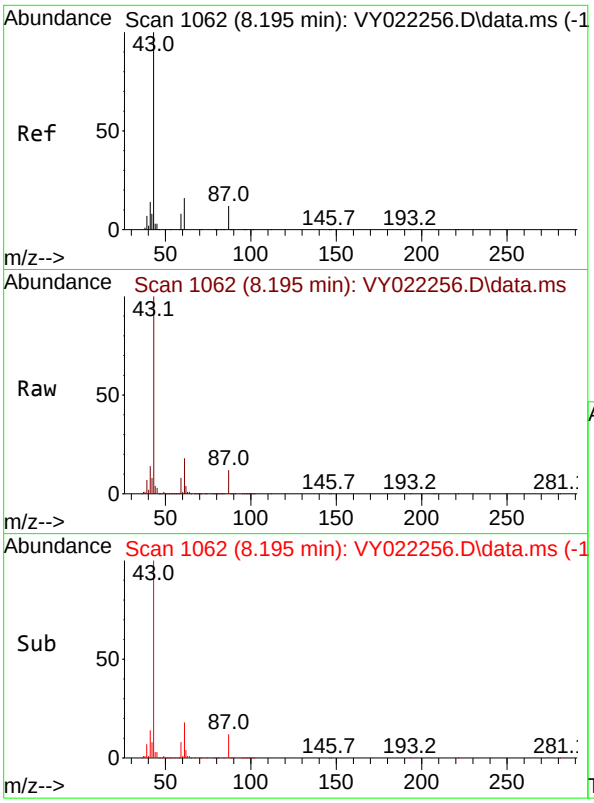


#42
1,2-Dichloroethane
Concen: 50.954 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 62 Resp: 176425

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43
Isopropyl Acetate
Concen: 49.785 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 22562

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.1	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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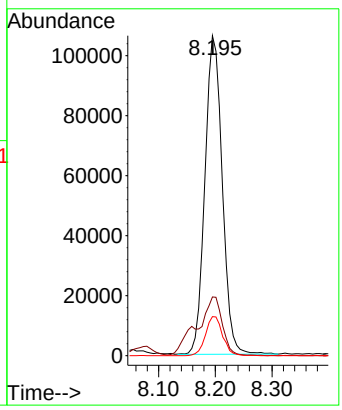
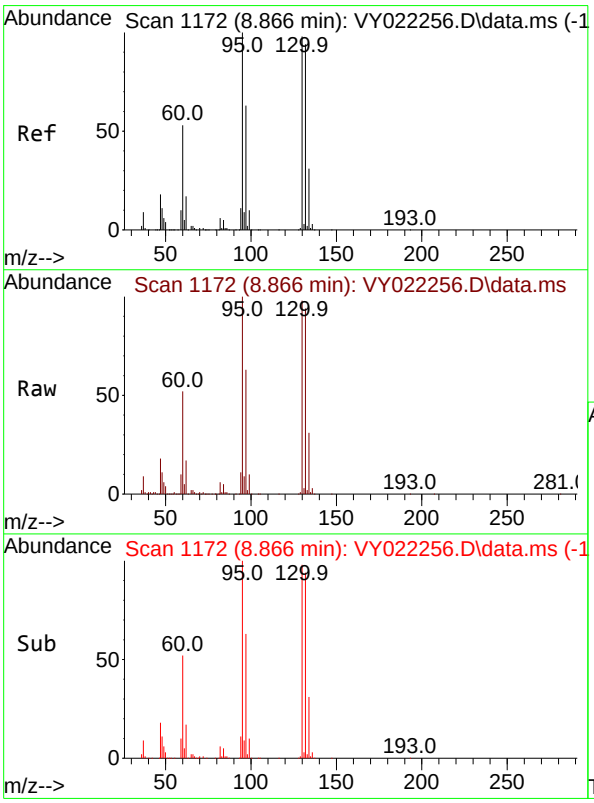
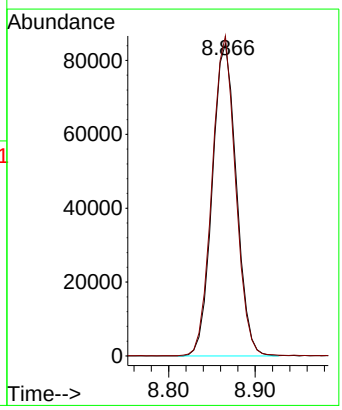


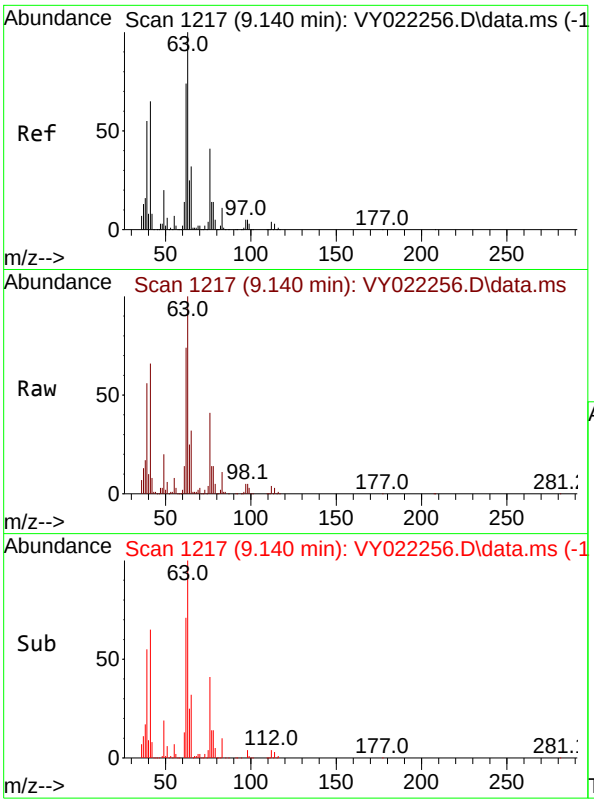


#44
Trichloroethene
Concen: 51.138 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:130 Resp: 162802

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	204.8

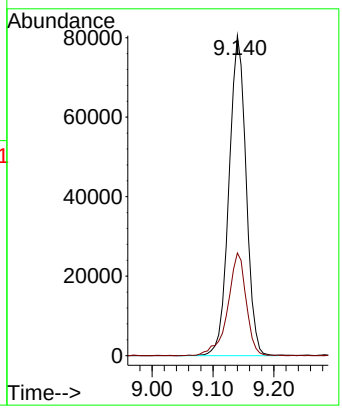




#45
1,2-Dichloropropane
Concen: 50.819 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 15687

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5



Instrument :
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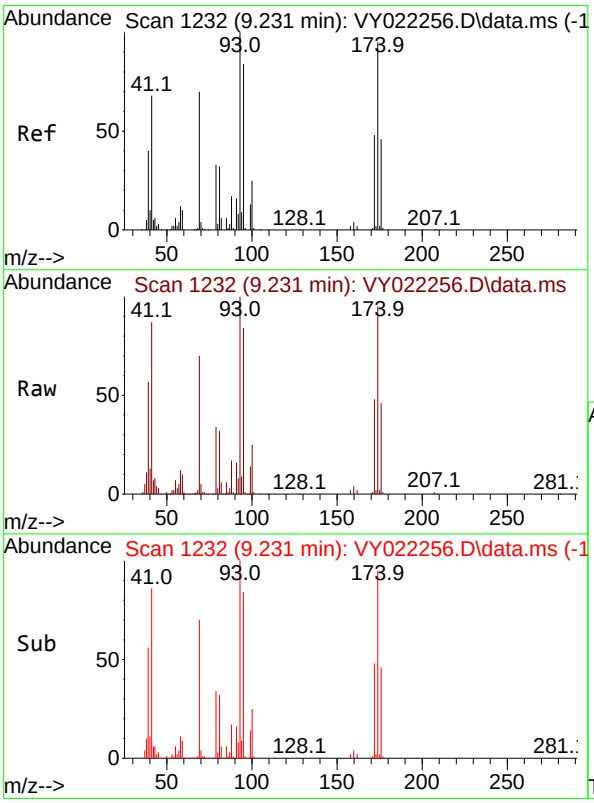
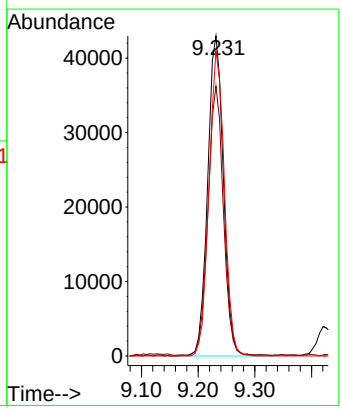
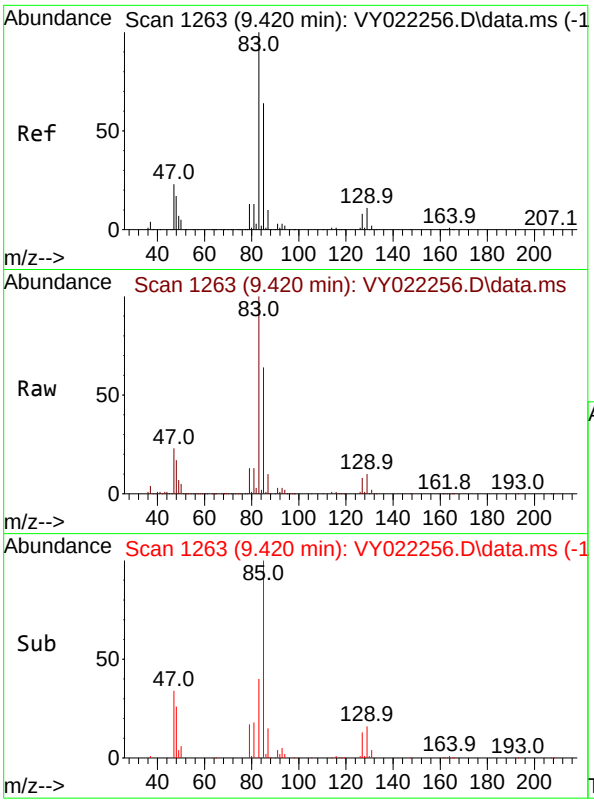


#46
Dibromomethane
Concen: 49.849 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 93 Resp: 82994

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.2	97.8
174	92.9	74.3	111.5

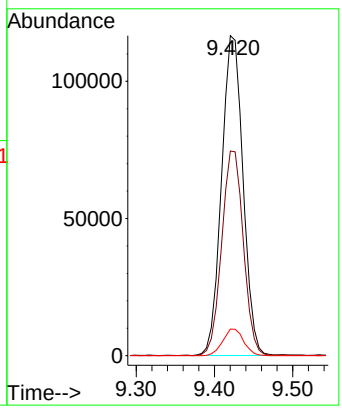




#47
Bromodichloromethane
Concen: 51.435 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 22215

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.3	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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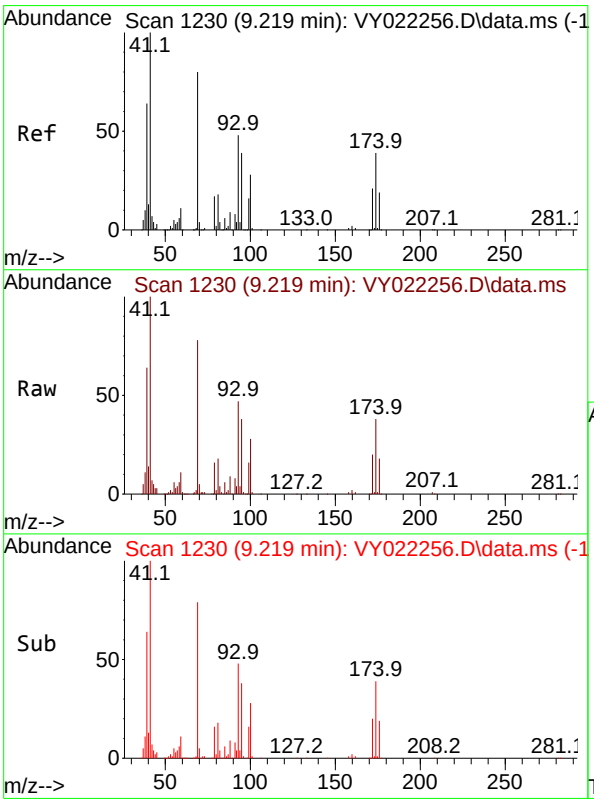
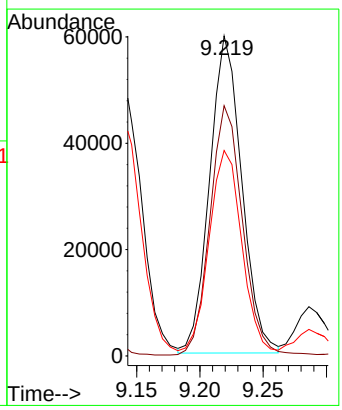
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

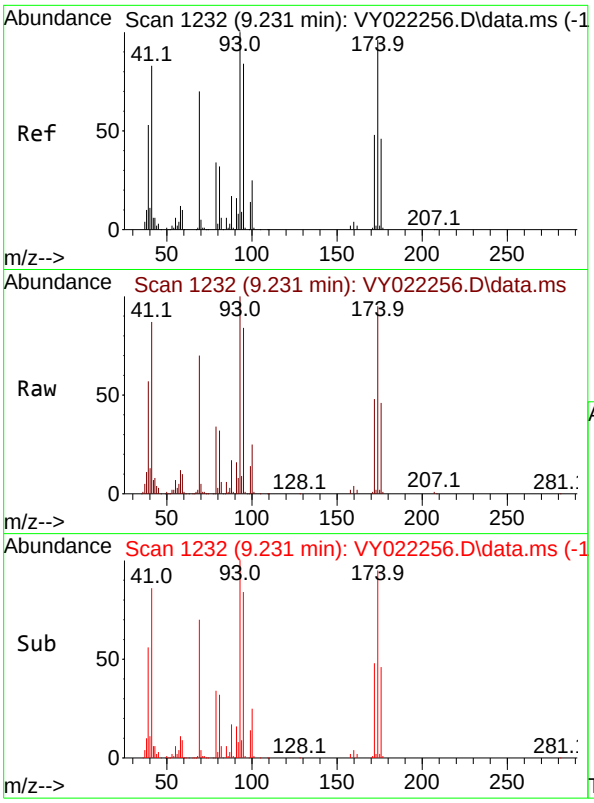


#48
Methyl methacrylate
Concen: 49.726 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 41 Resp: 105390

Ion	Ratio	Lower	Upper
41	100		
69	79.4	63.5	95.3
39	63.5	50.8	76.2

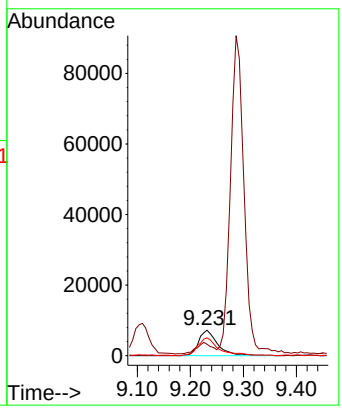




#49
1,4-Dioxane
Concen: 958.446 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 88 Resp: 1802

Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	76.8	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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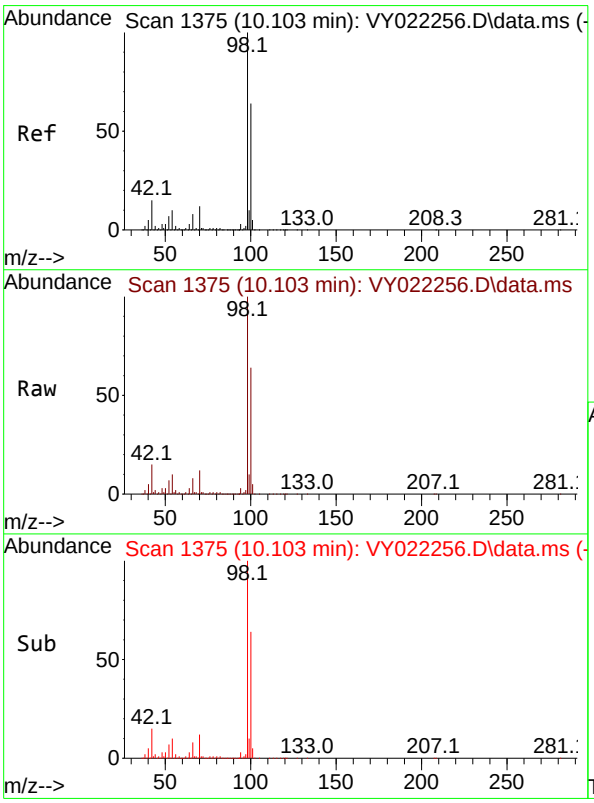
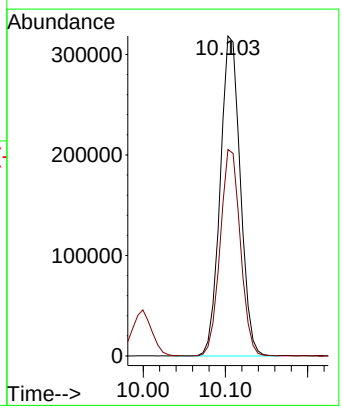
Supervised By :Semsettin Yesilyurt 05/16/2025

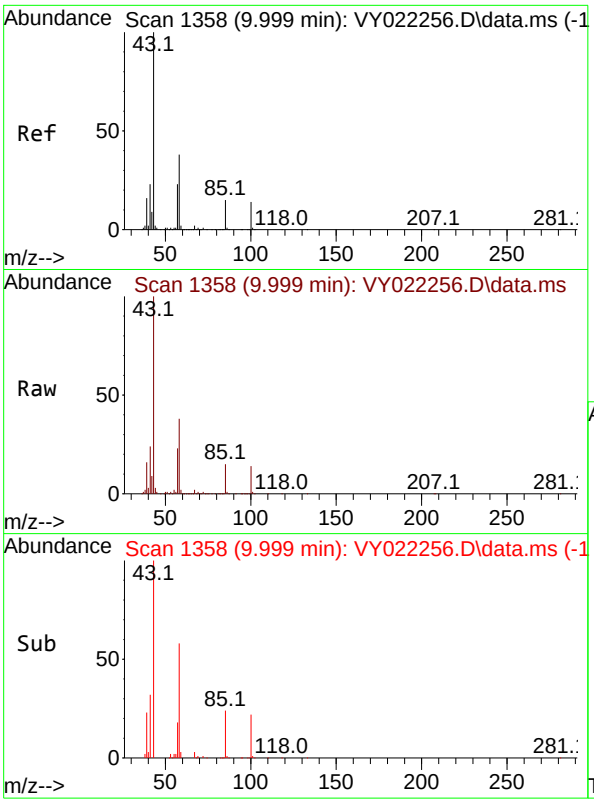


#50
Toluene-d8
Concen: 50.311 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 98 Resp: 540296

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8

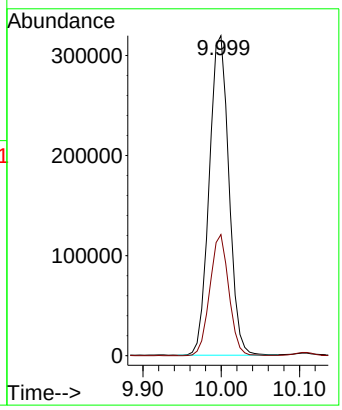




#51
4-Methyl-2-Pentanone
Concen: 250.085 ug/l
RT: 9.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 55612

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.2



Instrument :
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ClientSampleId :
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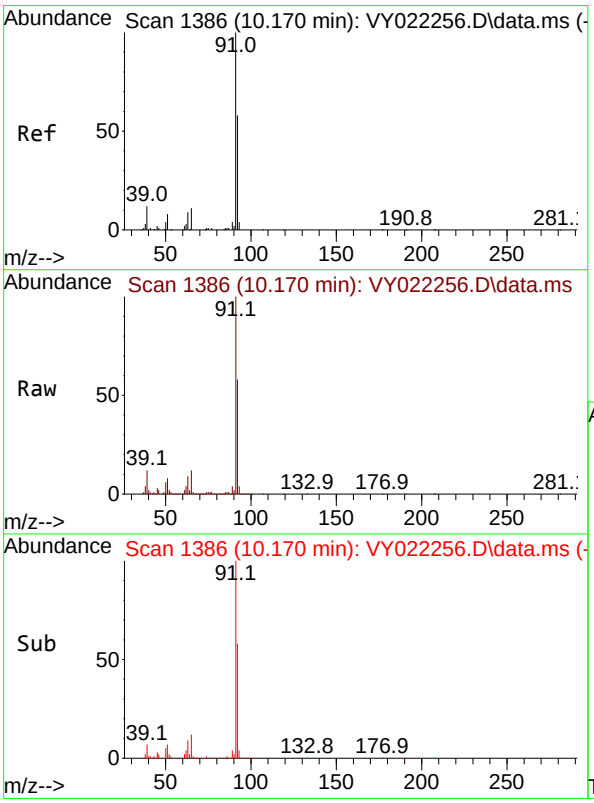
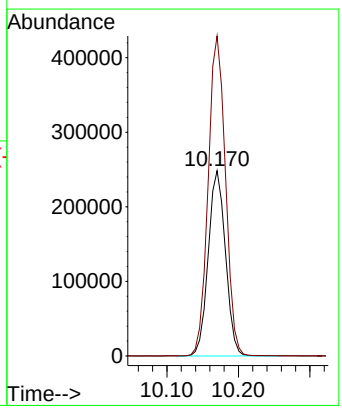
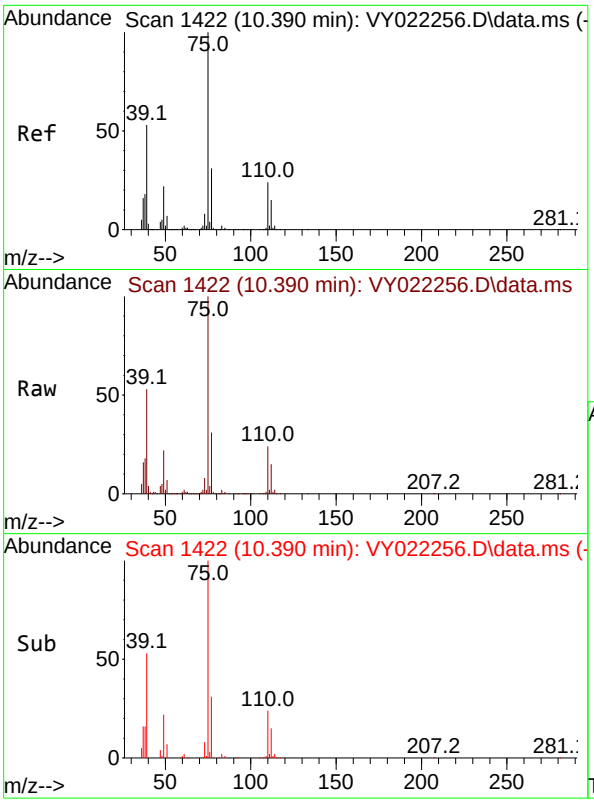


#52
Toluene
Concen: 51.134 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 92 Resp: 414584

Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.1	208.7

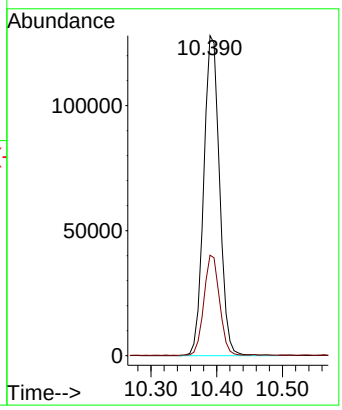




#53
t-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 21399

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
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ClientSampleId :
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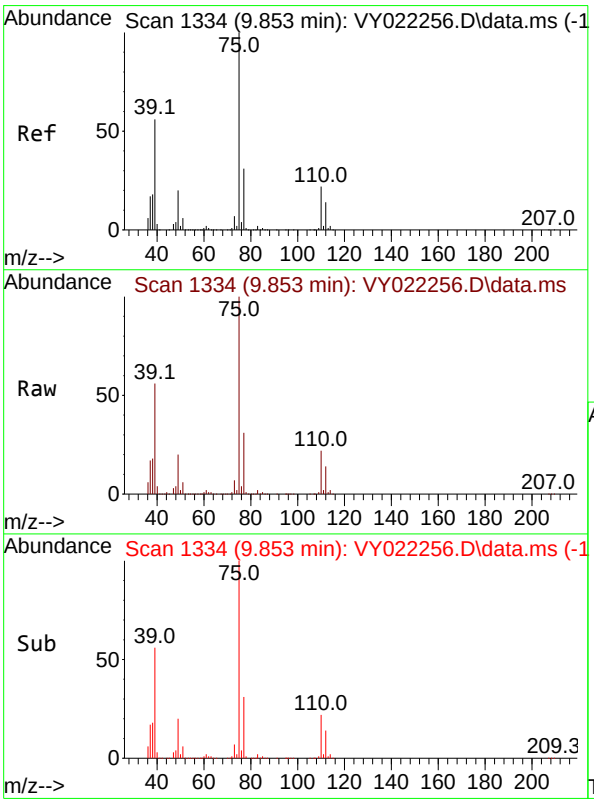
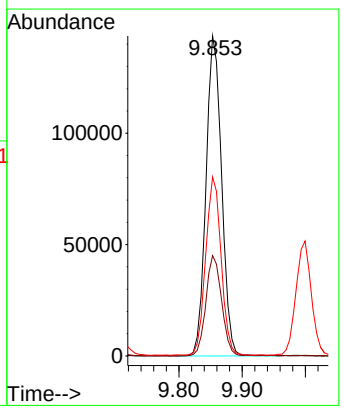
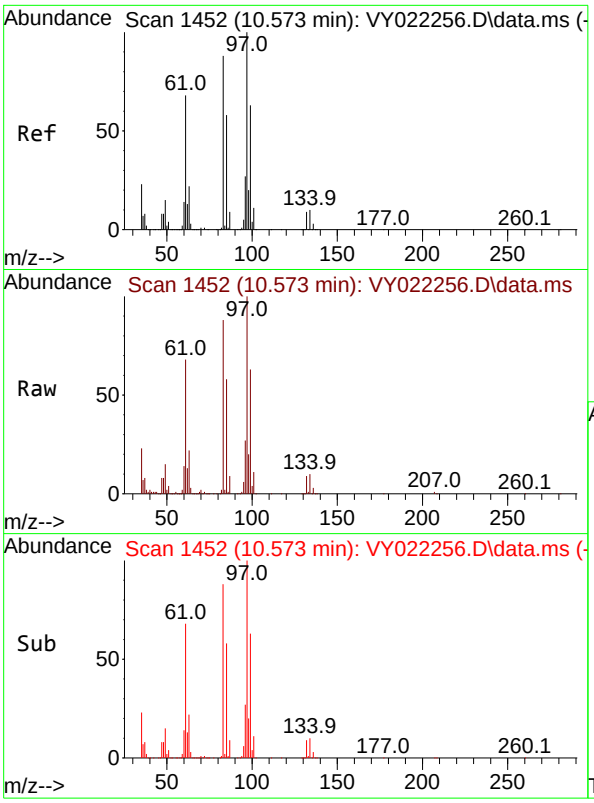


#54
cis-1,3-Dichloropropene
Concen: 51.143 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 246990

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	55.6	44.5	66.7

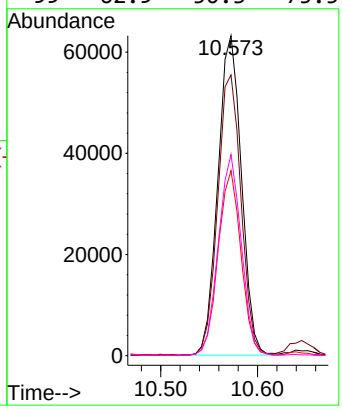




#55
1,1,2-Trichloroethane
Concen: 50.036 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 97 Resp: 10667

Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.3	105.5
85	57.8	46.2	69.4
99	62.9	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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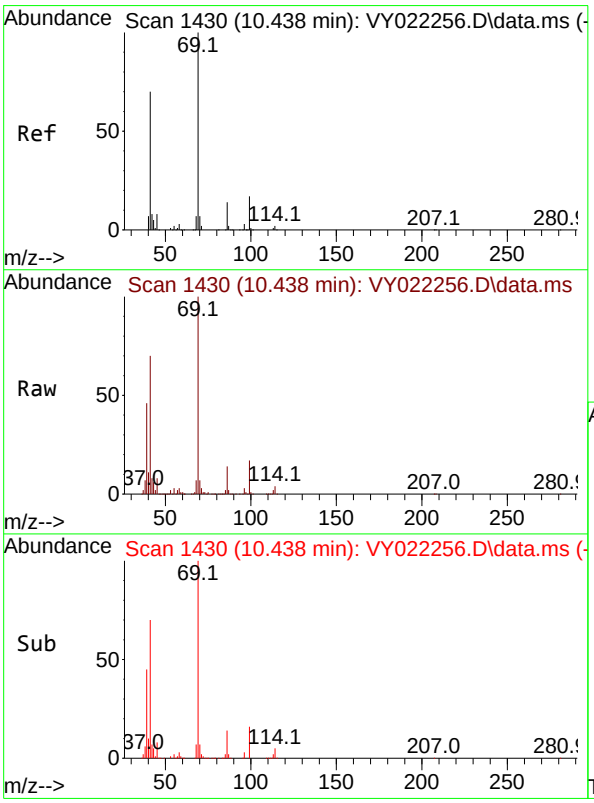
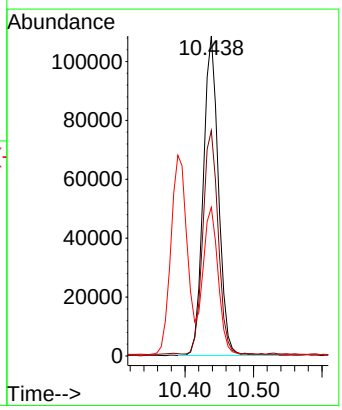
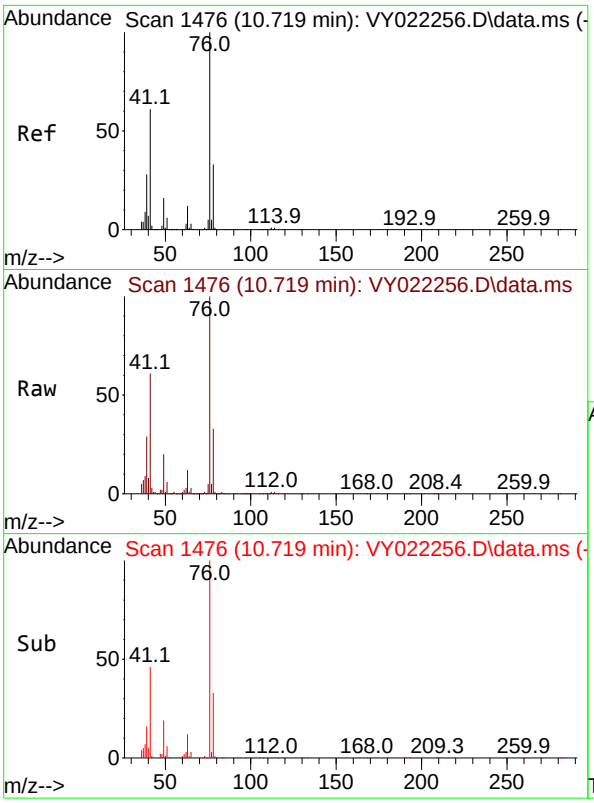


#56
Ethyl methacrylate
Concen: 50.364 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 69 Resp: 167259

Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.5	84.7
39	46.4	37.1	55.7

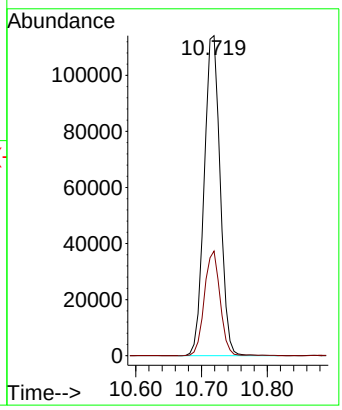




#57
1,3-Dichloropropane
Concen: 50.759 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 76 Resp: 19227

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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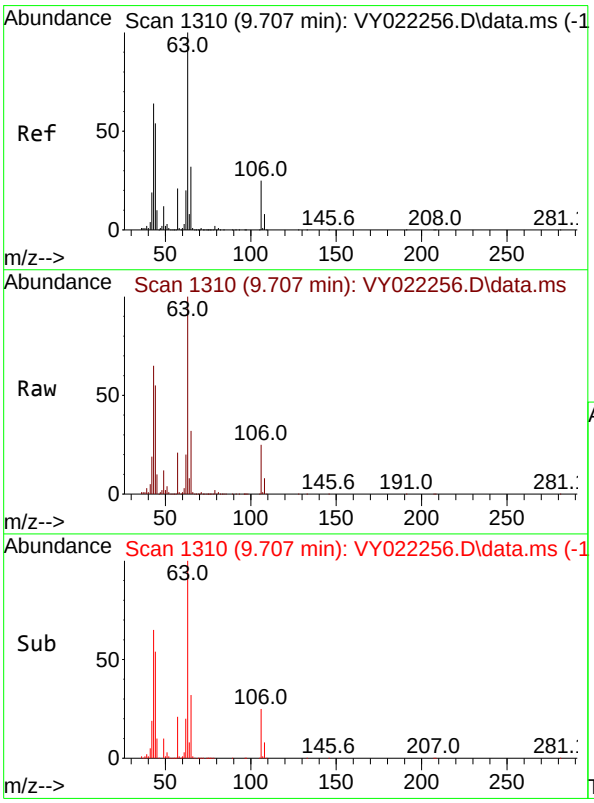
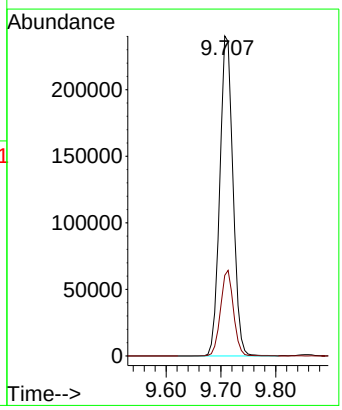
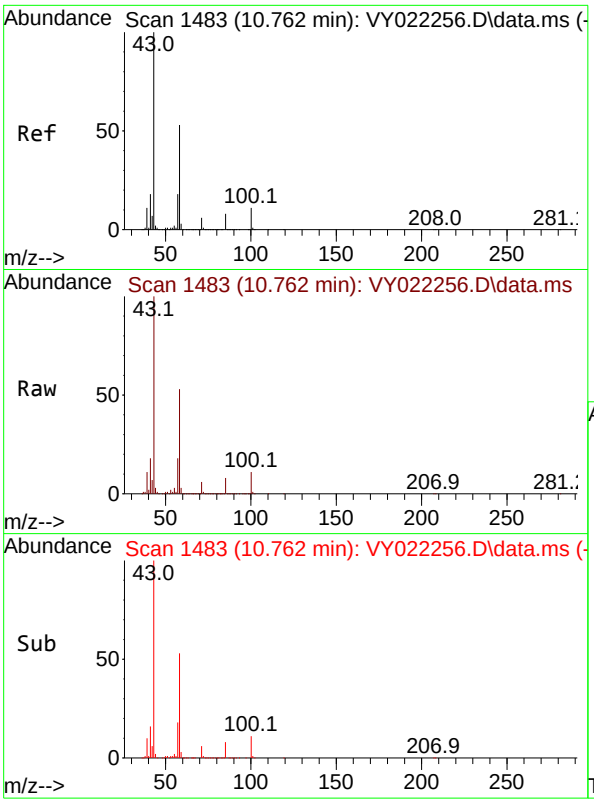


#58
2-Chloroethyl Vinyl ether
Concen: 270.408 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 63 Resp: 403074

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.0	31.4

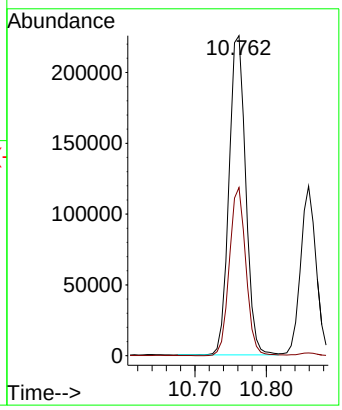




#59
2-Hexanone
Concen: 244.881 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 36511

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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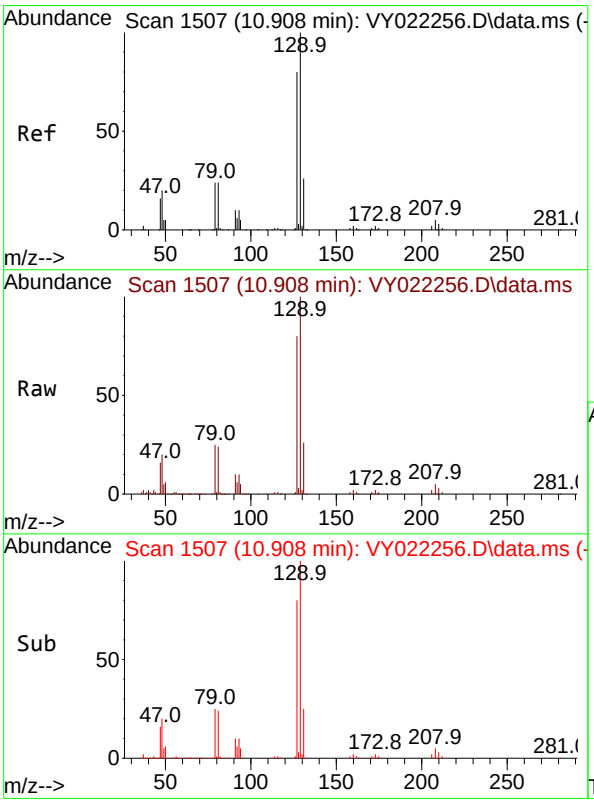
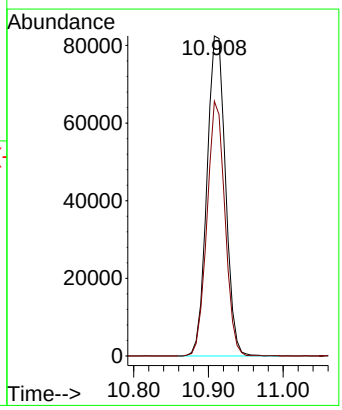
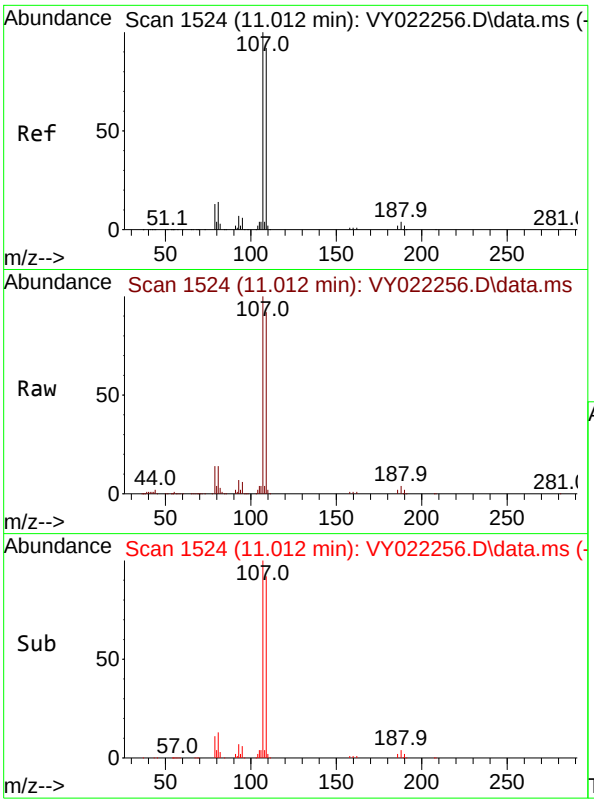


#60
Dibromochloromethane
Concen: 51.278 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:129 Resp: 141896

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.7

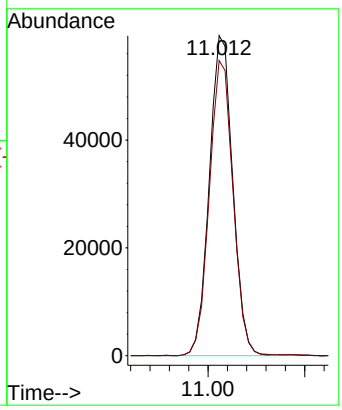




#61
1,2-Dibromoethane
Concen: 50.236 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:107 Resp: 9982

Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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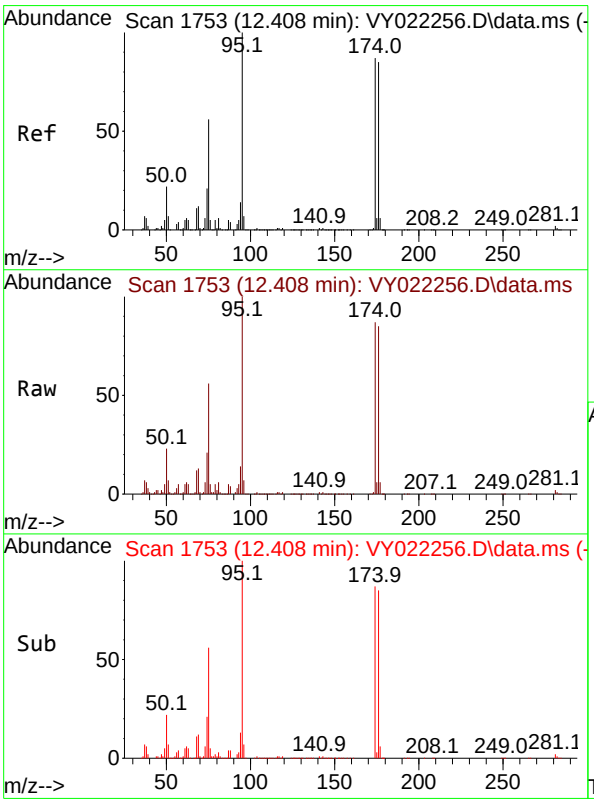
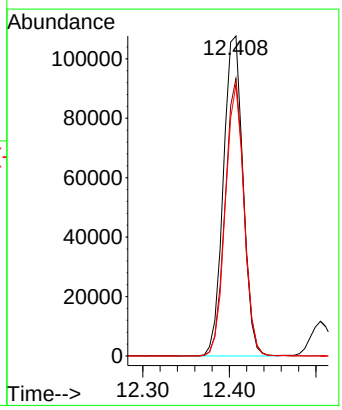
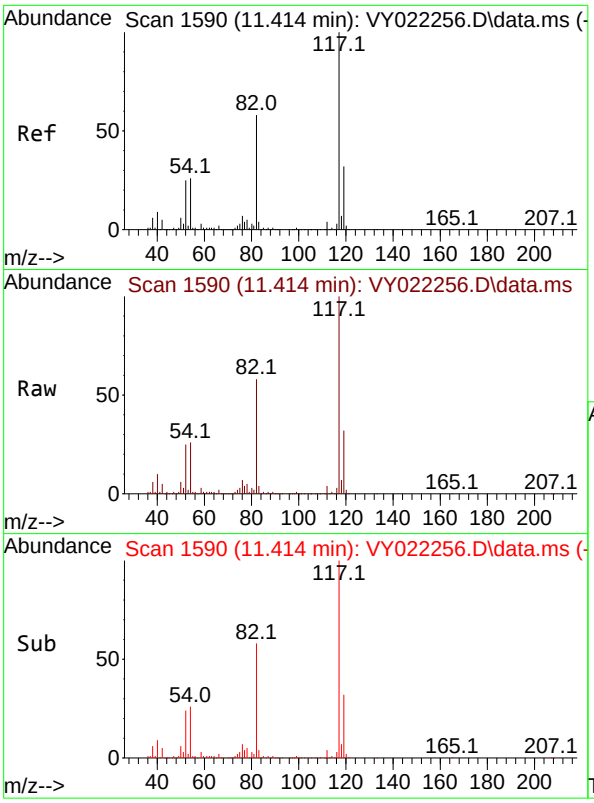


#62
4-Bromofluorobenzene
Concen: 49.891 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 95 Resp: 169827

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	166.8
176	80.4	0.0	160.8

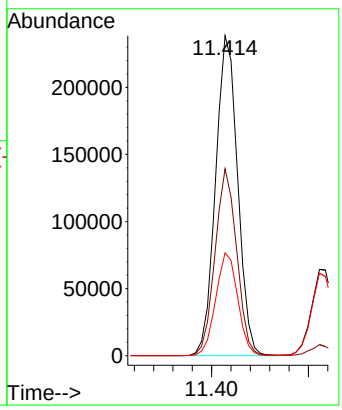




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 37757

Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.6	70.0
119	32.2	25.8	38.6



Instrument :
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ClientSampleId :
VSTDICCC050

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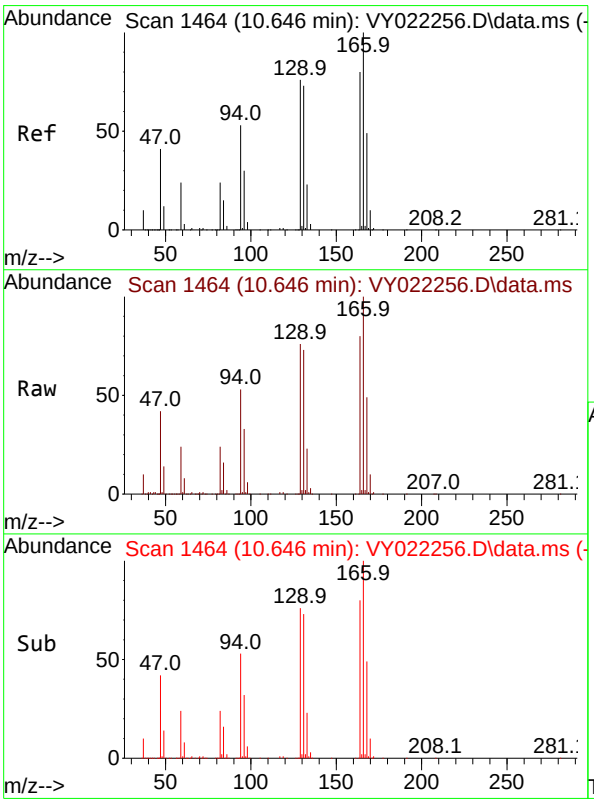
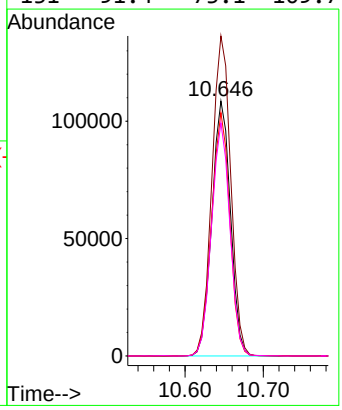
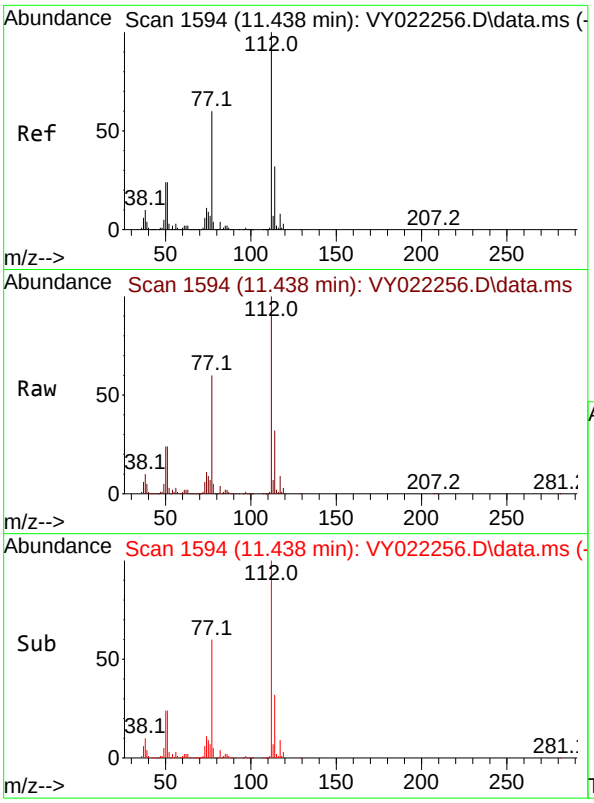


#64
Tetrachloroethene
Concen: 51.249 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:164 Resp: 178854

Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	95.5	76.4	114.6
131	91.4	73.1	109.7

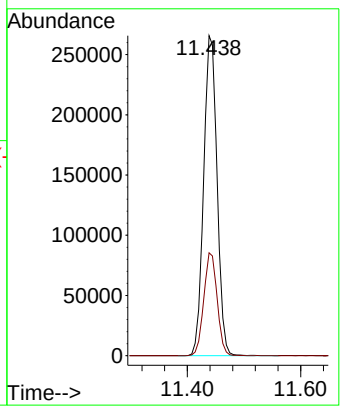




#65
Chlorobenzene
Concen: 51.169 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:112 Resp: 43587

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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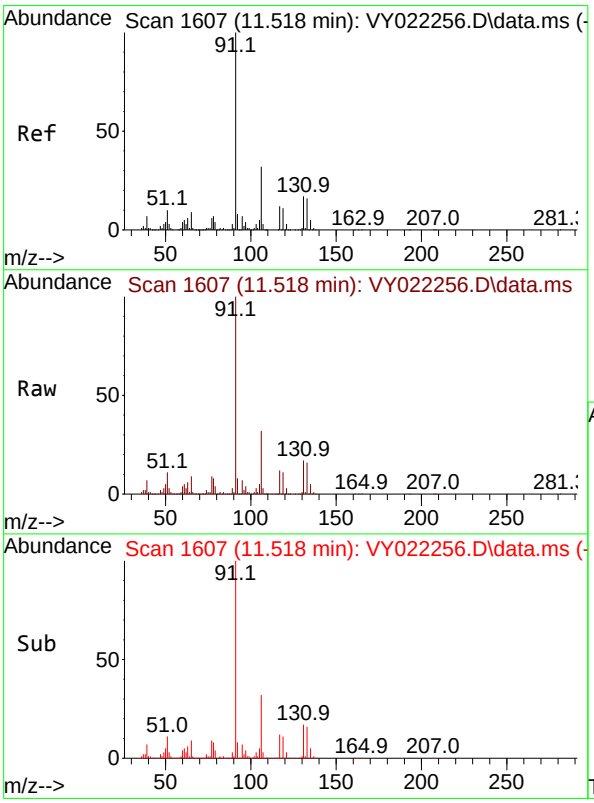
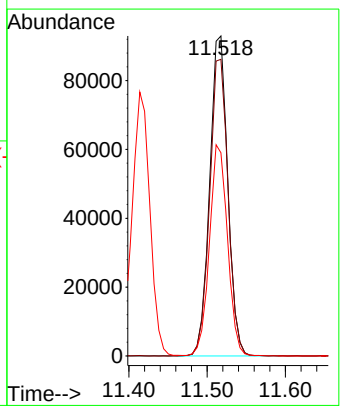
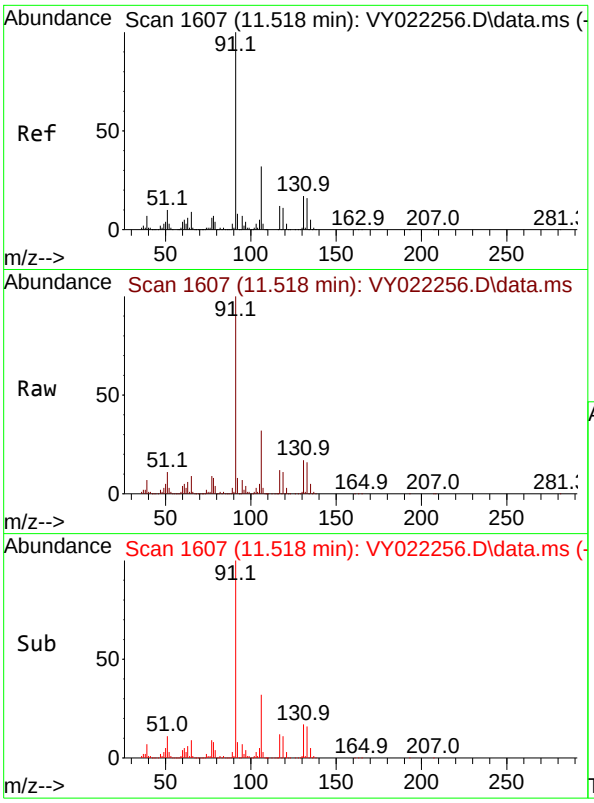


#66
1,1,1,2-Tetrachloroethane
Concen: 50.811 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:131 Resp: 148798

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	66.1	33.1	99.2

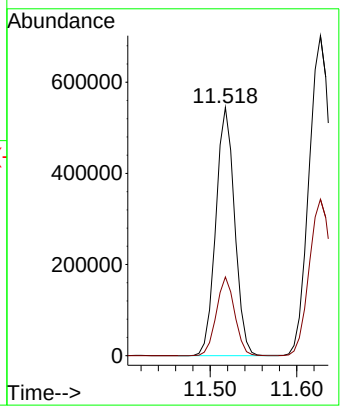




#67
Ethyl Benzene
Concen: 51.473 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 82116

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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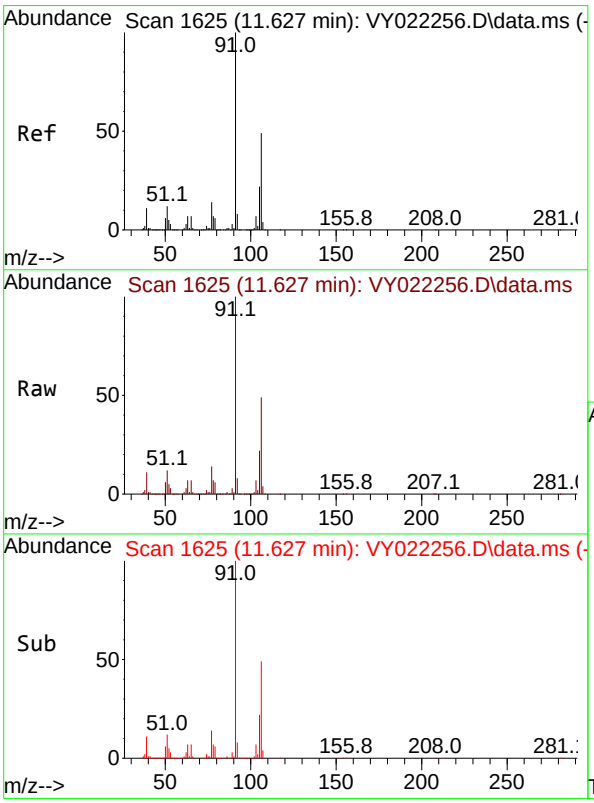
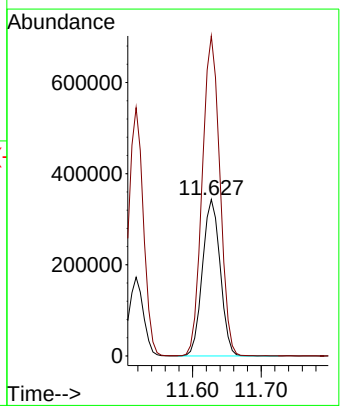
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

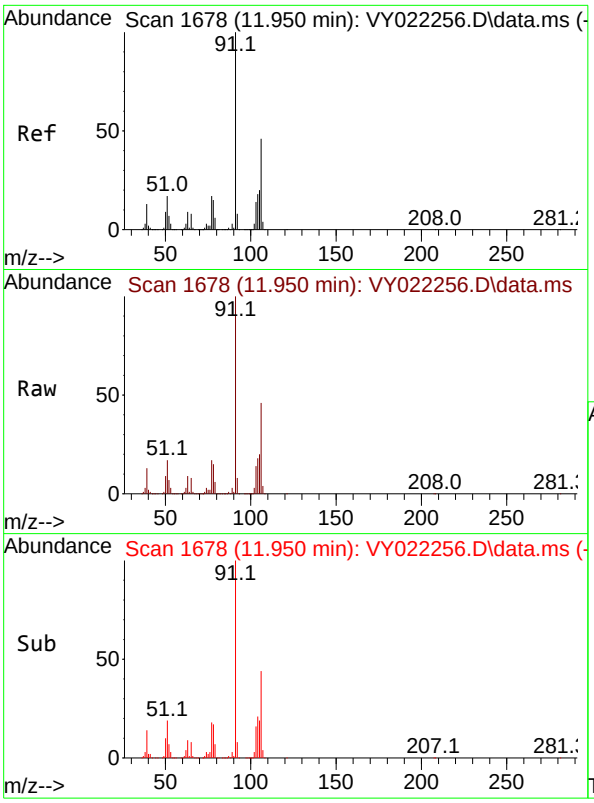


#68
m/p-Xylenes
Concen: 102.746 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:106 Resp: 617646

Ion	Ratio	Lower	Upper
106	100		
91	203.7	163.0	244.4





#69
o-Xylene
Concen: 50.971 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:106 Resp: 28989

Ion	Ratio	Lower	Upper
106	100		
91	216.5	108.3	324.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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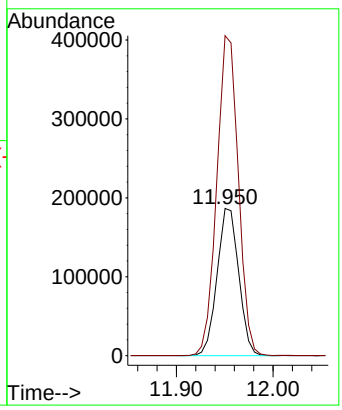
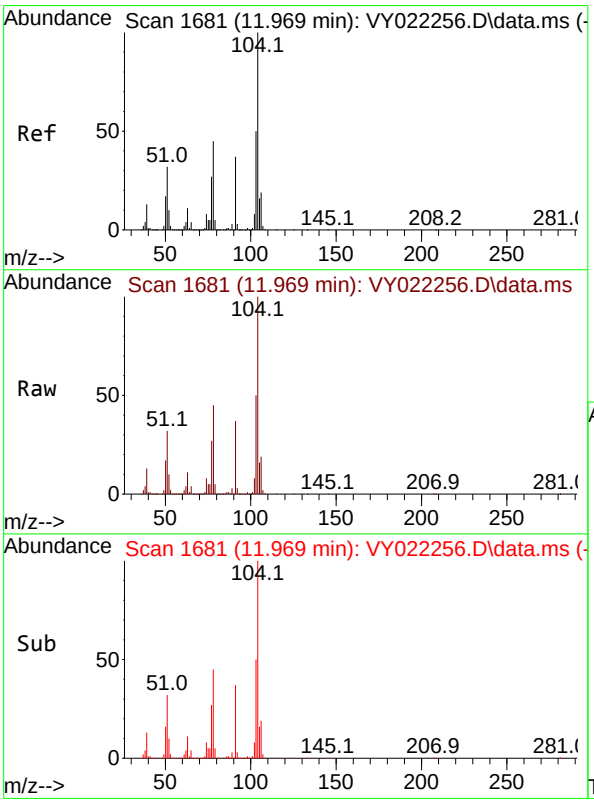
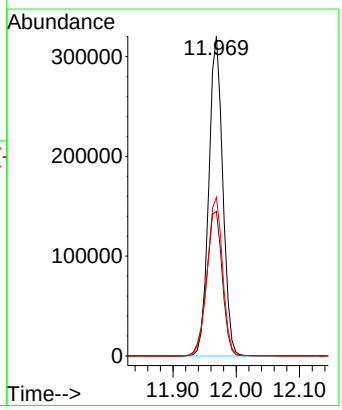


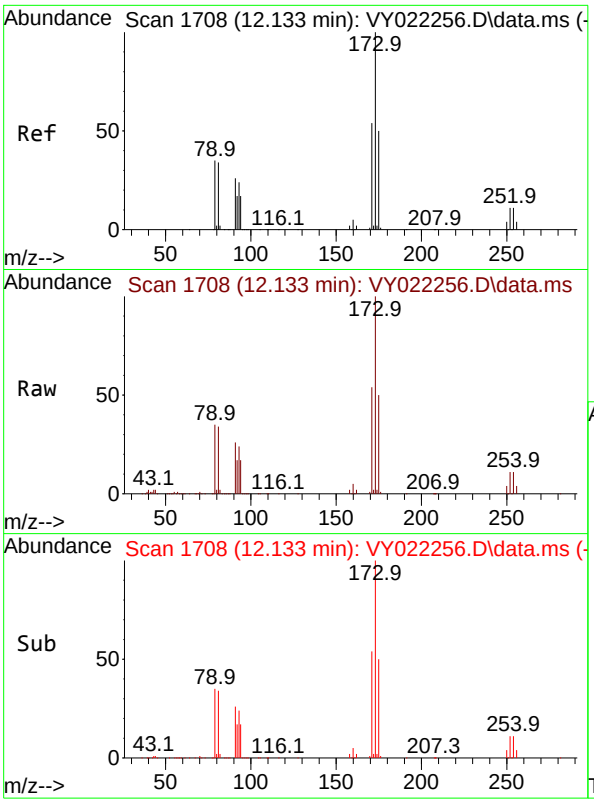


#70
Styrene
Concen: 51.260 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:104 Resp: 491792

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.9	61.3
103	54.6	43.7	65.5

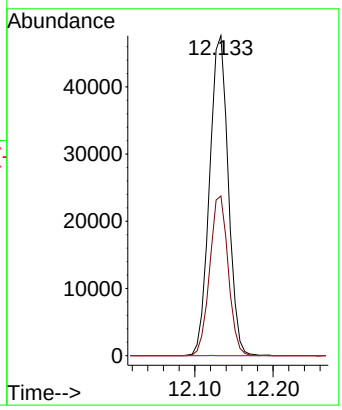




#71
Bromoform
Concen: 49.849 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:173 Resp: 7879

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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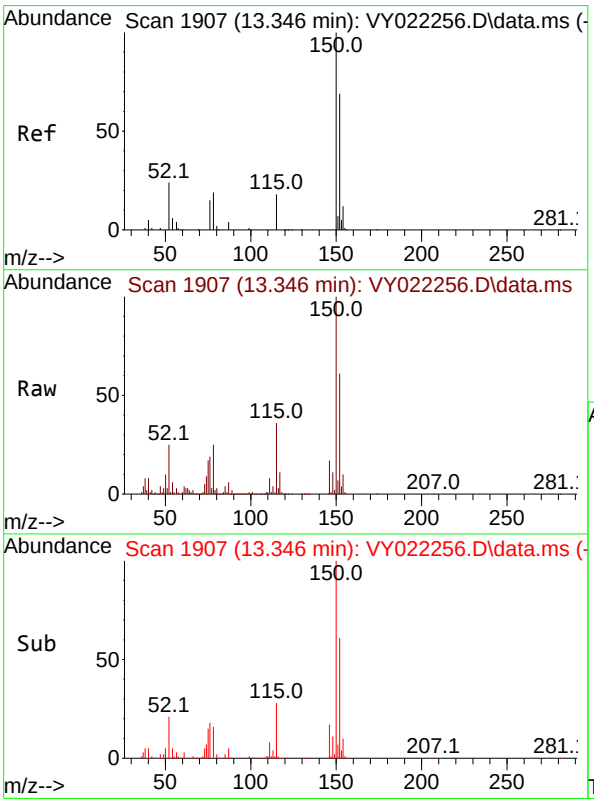
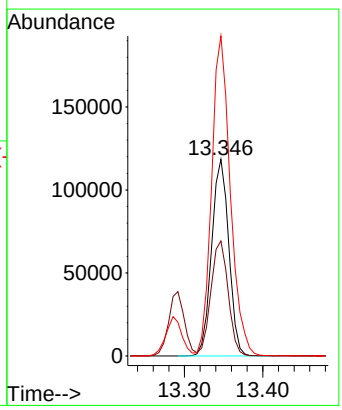
Supervised By :Semsettin Yesilyurt 05/16/2025

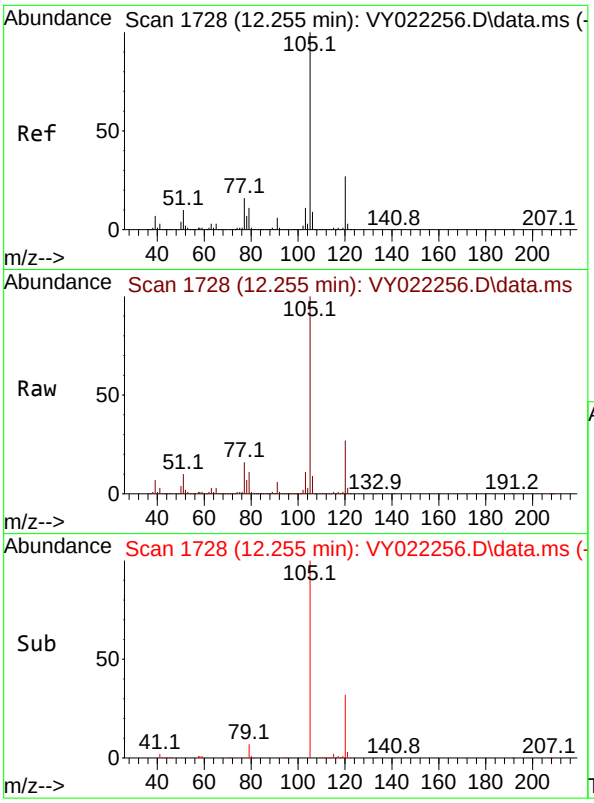


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:152 Resp: 180358

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	176.9	0.0	353.8

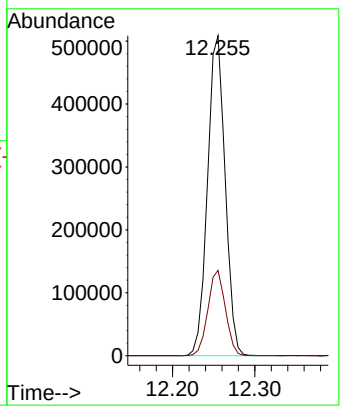




#73
Isopropylbenzene
Concen: 50.657 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 75690

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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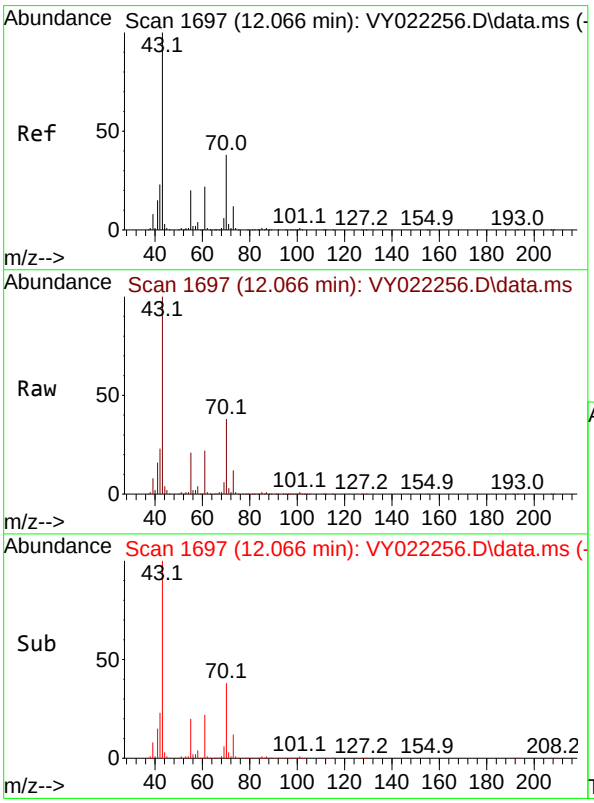
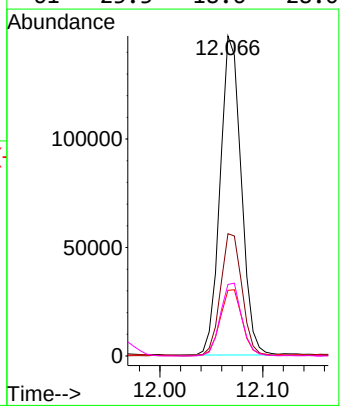
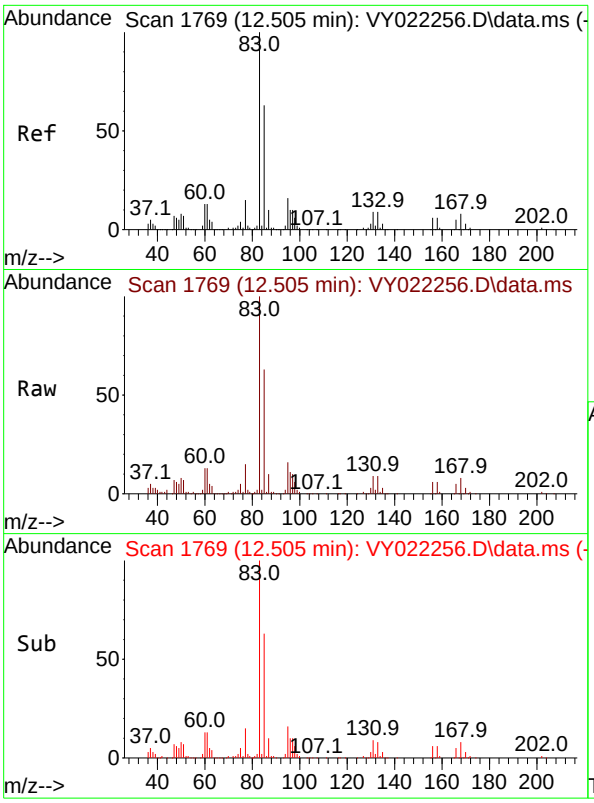


#74
N-amyl acetate
Concen: 48.930 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 43 Resp: 209097

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.4	47.0
55	21.3	17.0	25.6
61	23.3	18.6	28.0

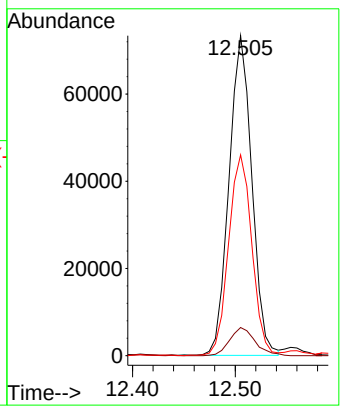




#75
1,1,2,2-Tetrachloroethane
Concen: 49.277 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 83 Resp: 11323

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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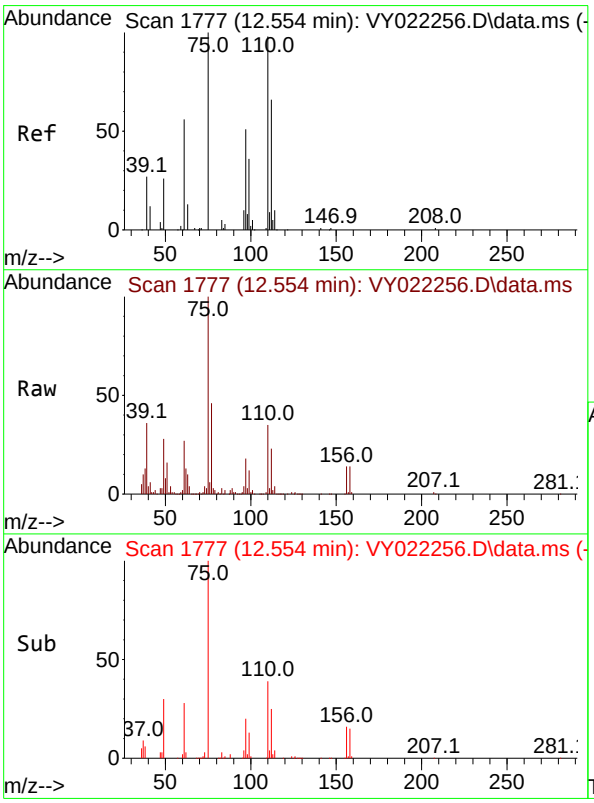
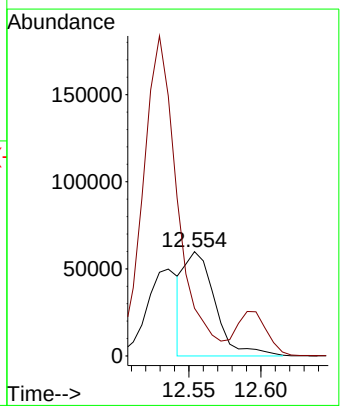
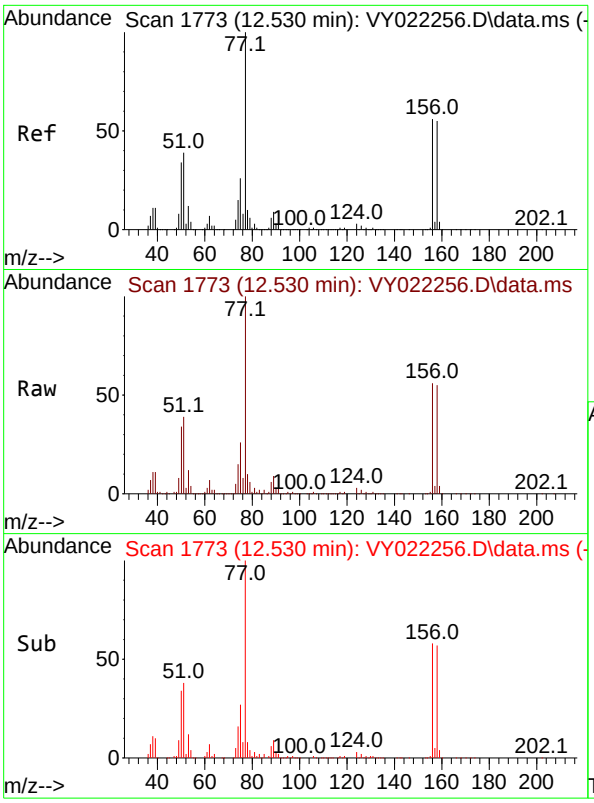


#76
1,2,3-Trichloropropane
Concen: 28.402 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 90281

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

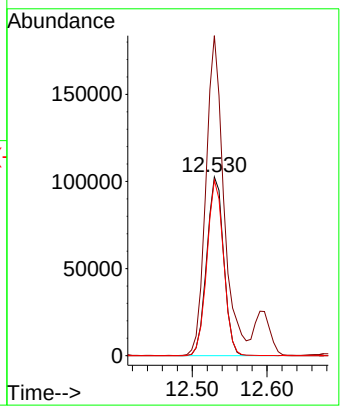




#77
Bromobenzene
Concen: 50.599 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:156 Resp: 16147

Ion	Ratio	Lower	Upper
156	100		
77	189.1	94.5	283.6
158	96.9	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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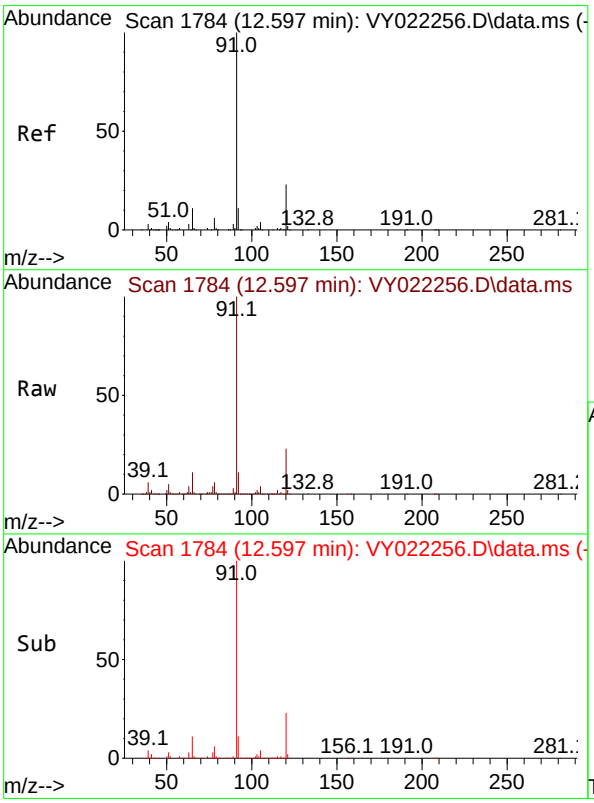
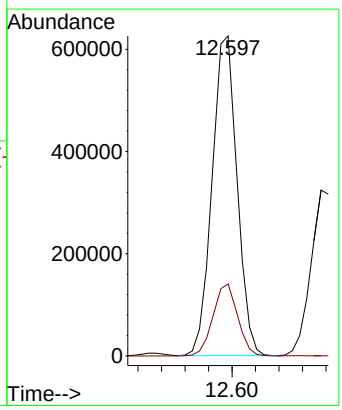
Supervised By :Semsettin Yesilyurt 05/16/2025

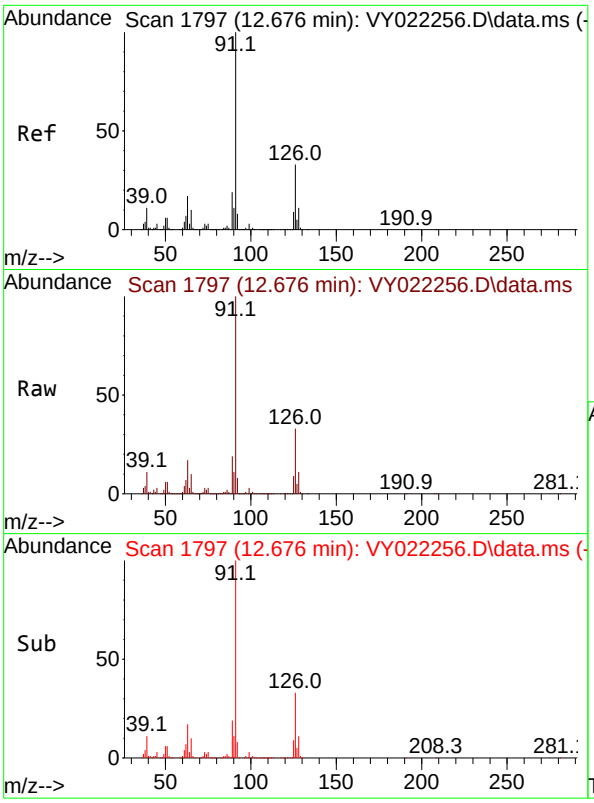


#78
n-propylbenzene
Concen: 51.306 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 924664

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3

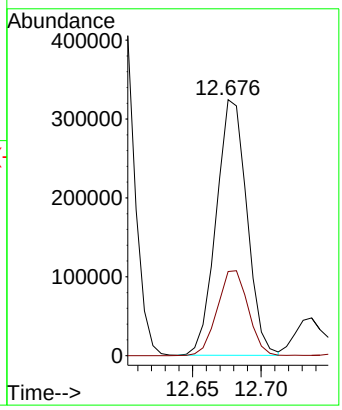




#79
2-Chlorotoluene
Concen: 51.058 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 50568

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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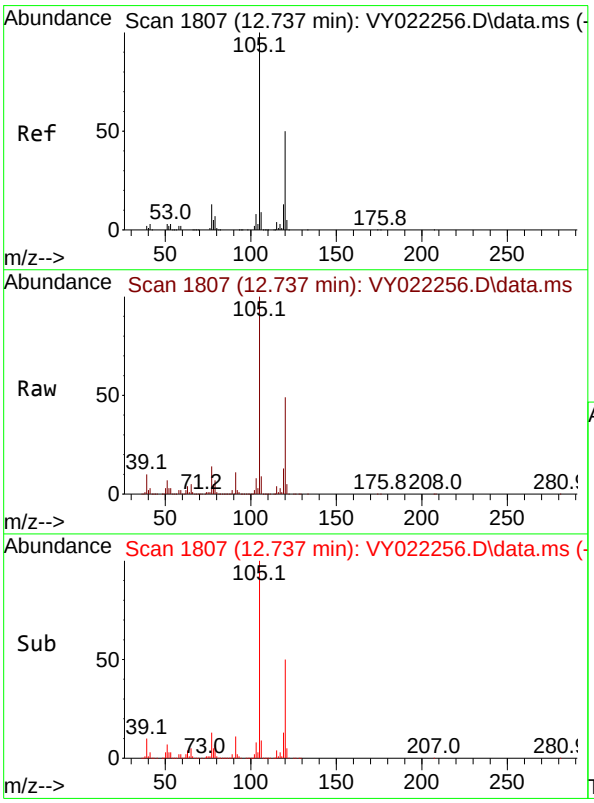
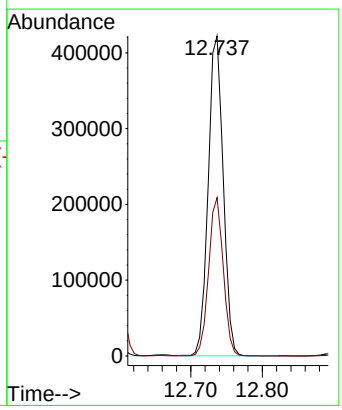
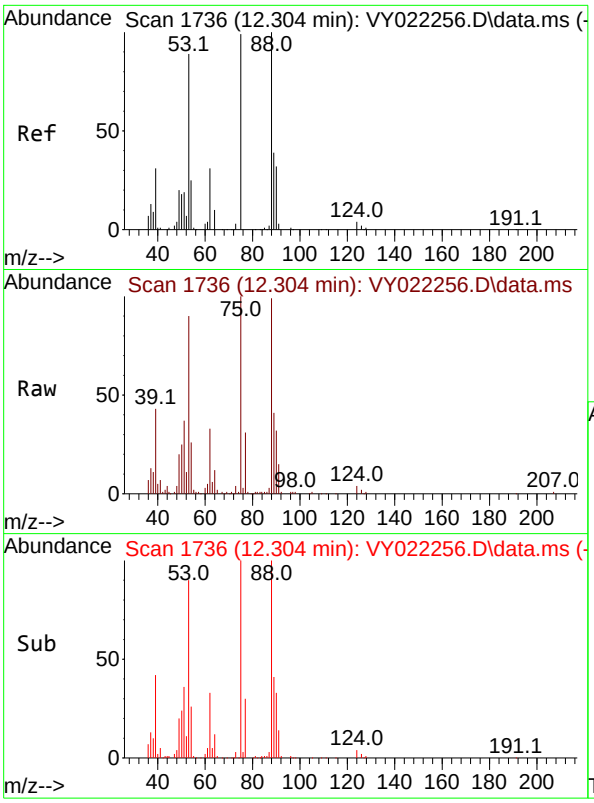


#80
1,3,5-Trimethylbenzene
Concen: 50.991 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615033

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.2	72.6

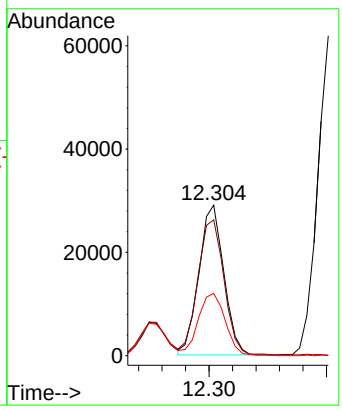




#81
trans-1,4-Dichloro-2-butene
Concen: 47.331 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 4269

Ion	Ratio	Lower	Upper
75	100		
53	94.8	75.8	113.8
89	45.2	36.2	54.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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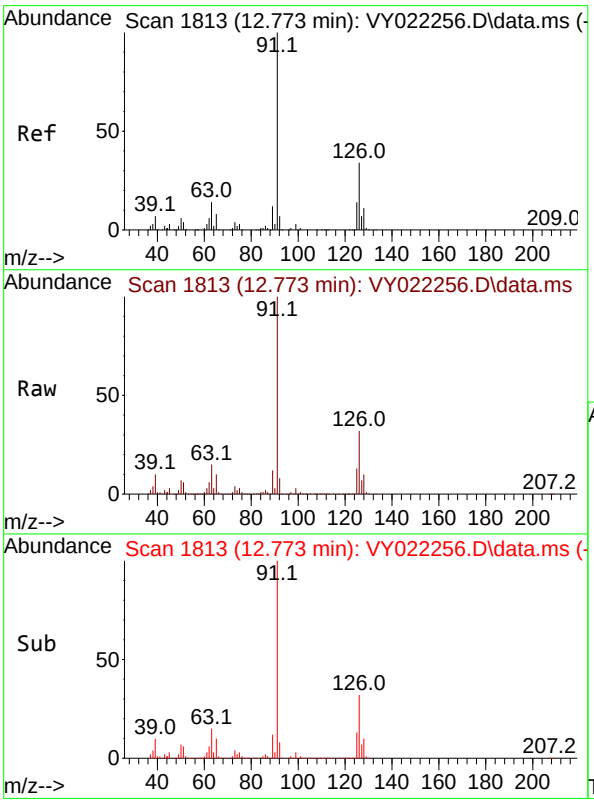
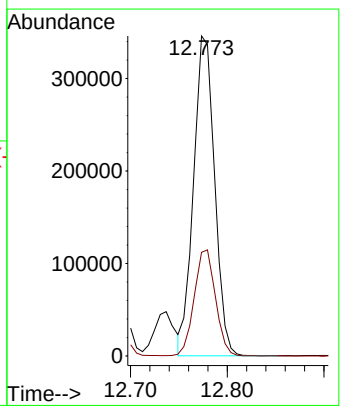
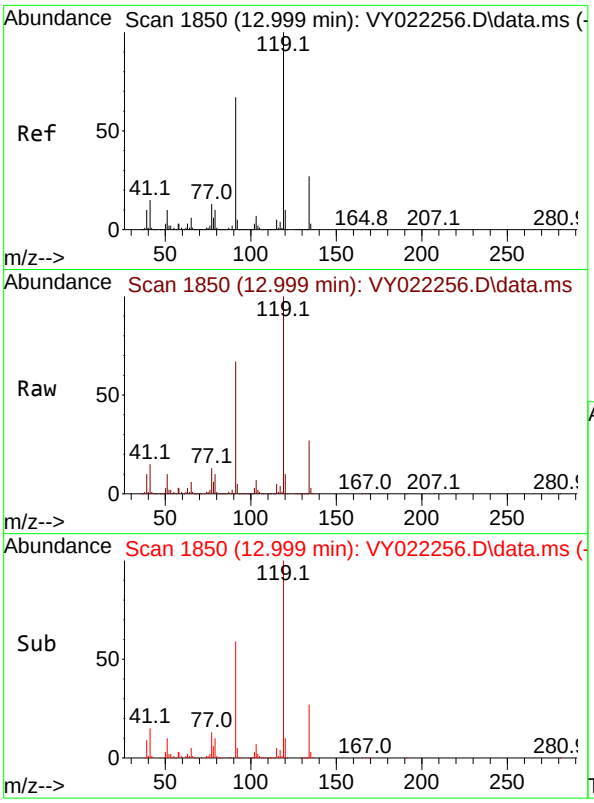


#82
4-Chlorotoluene
Concen: 51.464 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 524270

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4





#83
tert-Butylbenzene
Concen: 50.952 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:119 Resp: 54623

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.8	98.3
134	25.7	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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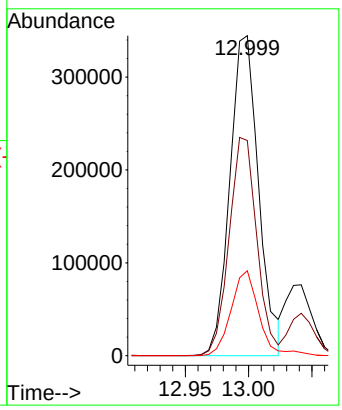
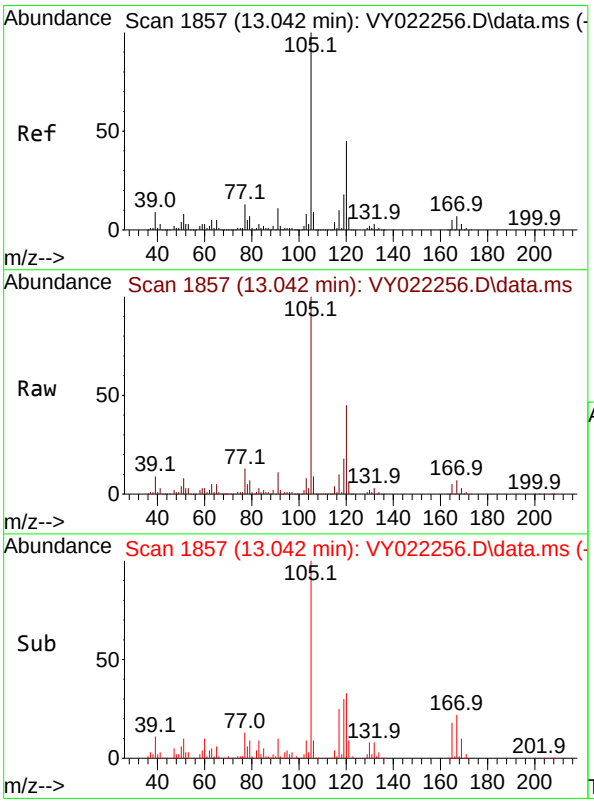
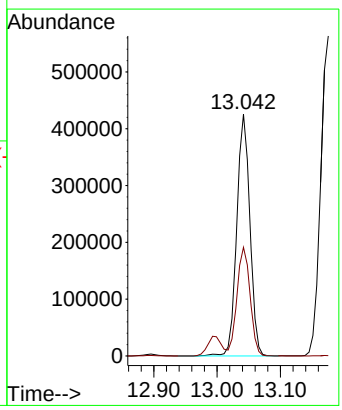


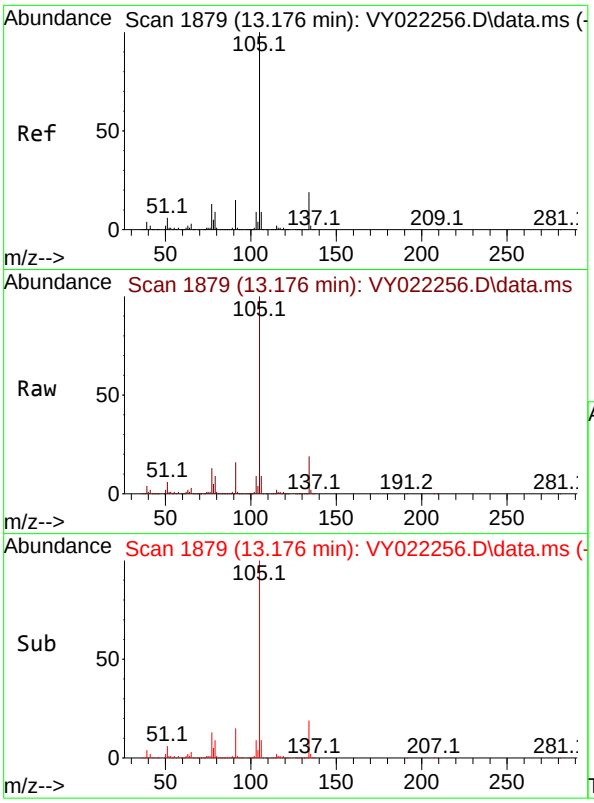


#84
1,2,4-Trimethylbenzene
Concen: 51.410 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 615550

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9

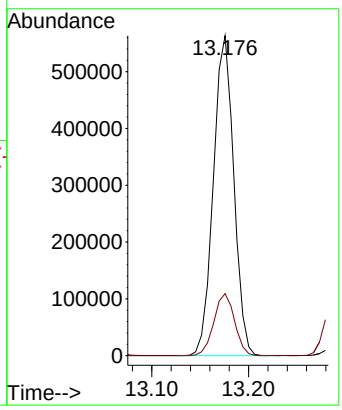




#85
sec-Butylbenzene
Concen: 51.825 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:105 Resp: 82472

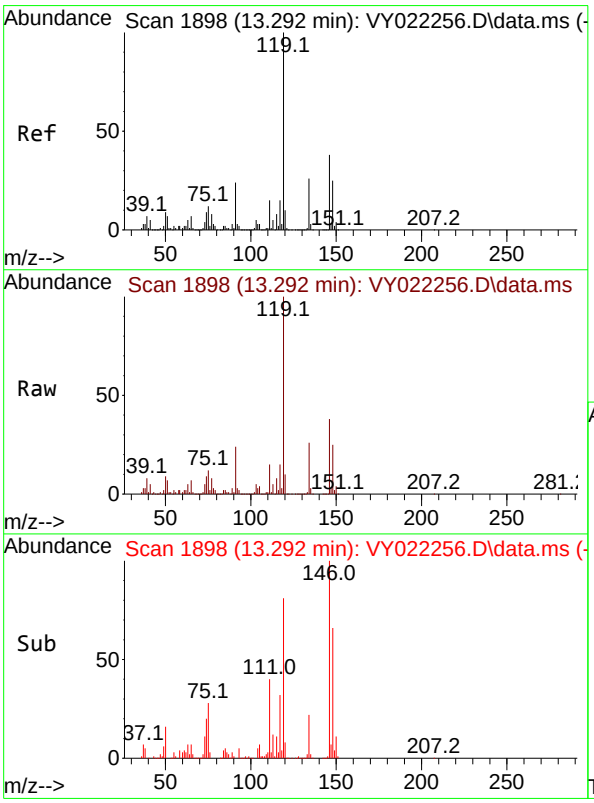
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

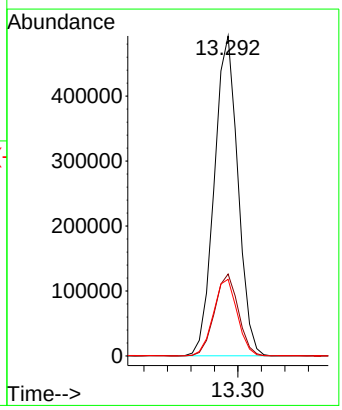
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

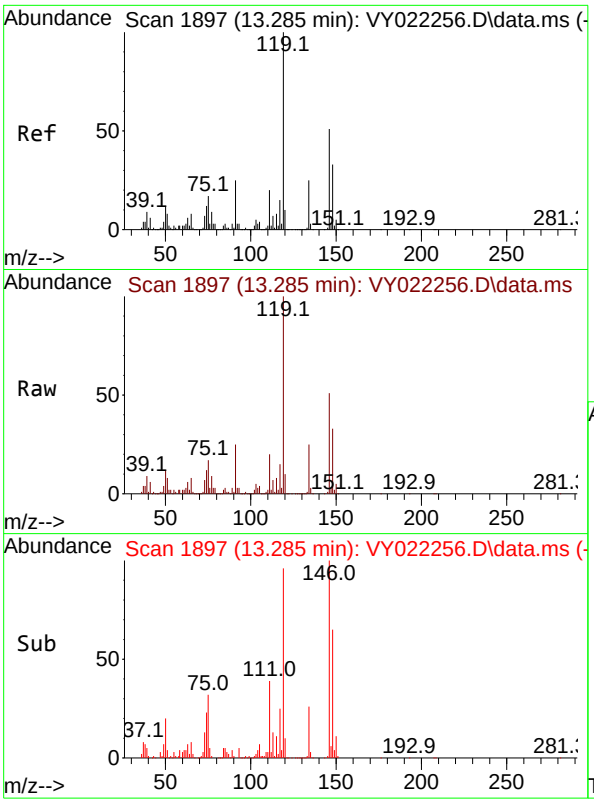


#86
p-Isopropyltoluene
Concen: 51.446 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:119 Resp: 688561

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.2	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 50.890 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

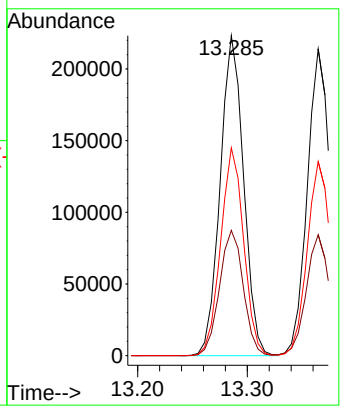
Tgt Ion:146 Resp: 33153

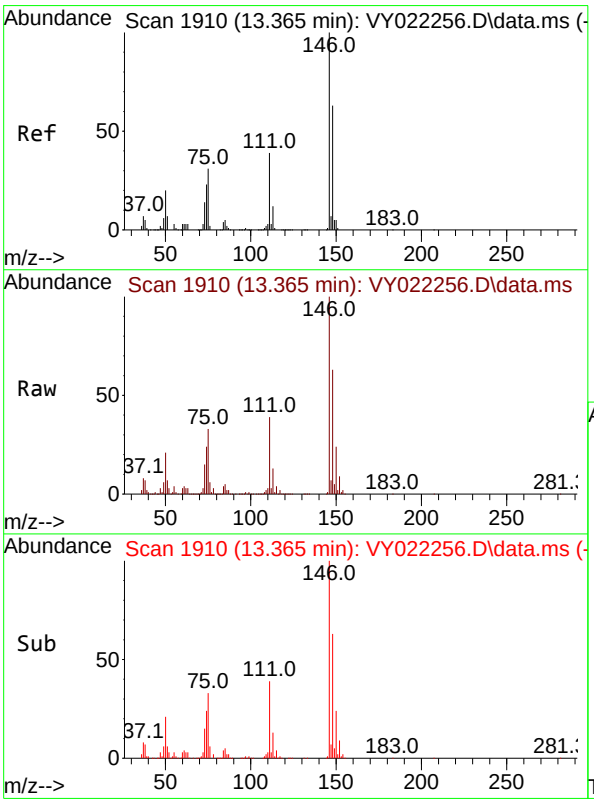
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.8	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

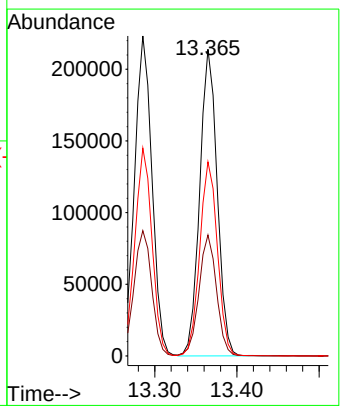


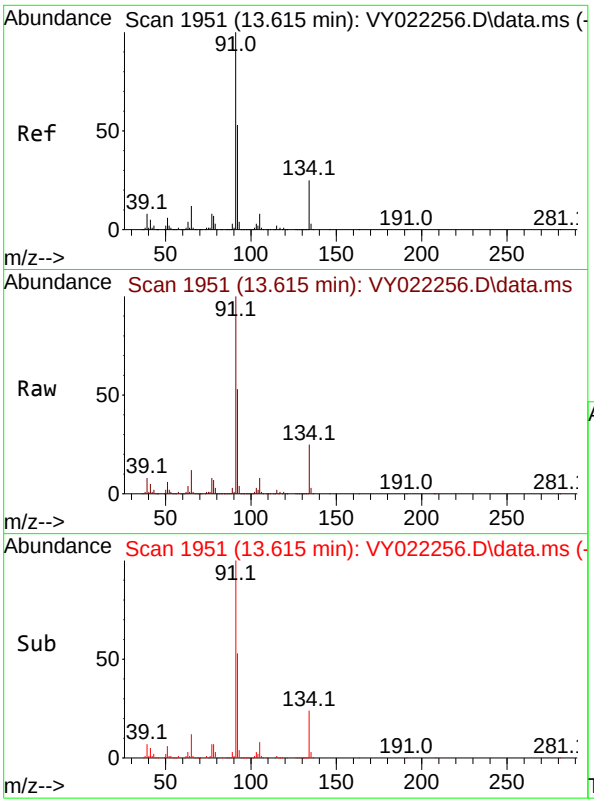


#88
1,4-Dichlorobenzene
Concen: 50.363 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 315598

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.3	32.1	96.5

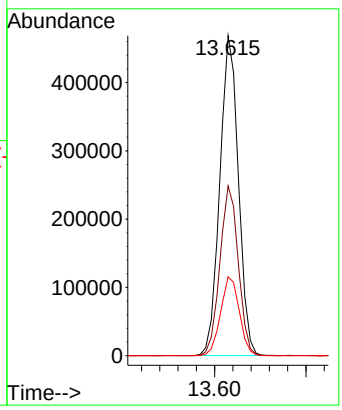




#89
n-Butylbenzene
Concen: 52.245 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 91 Resp: 66153

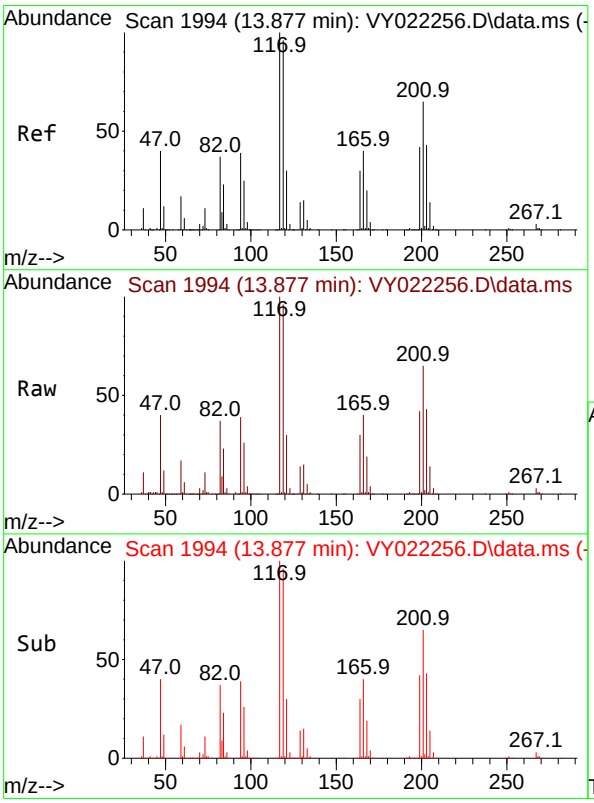
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	24.9	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

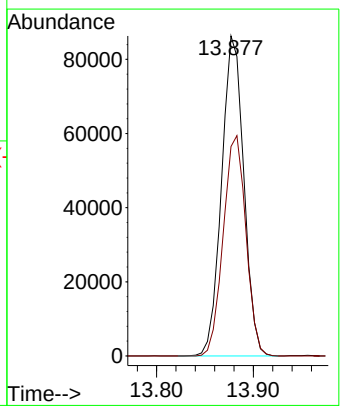
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

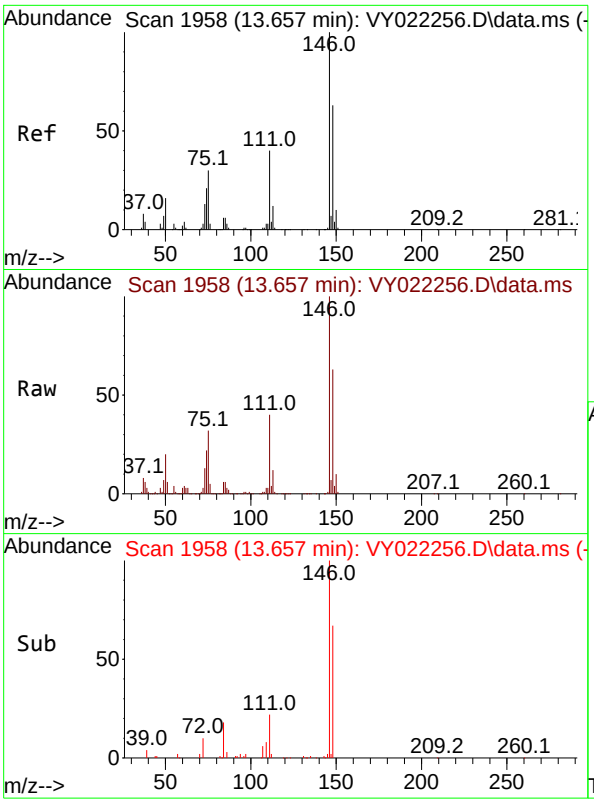


#90
Hexachloroethane
Concen: 50.791 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:117 Resp: 137225

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6

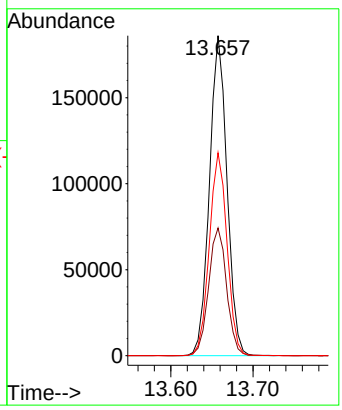




#91
1,2-Dichlorobenzene
Concen: 50.558 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:146 Resp: 27666

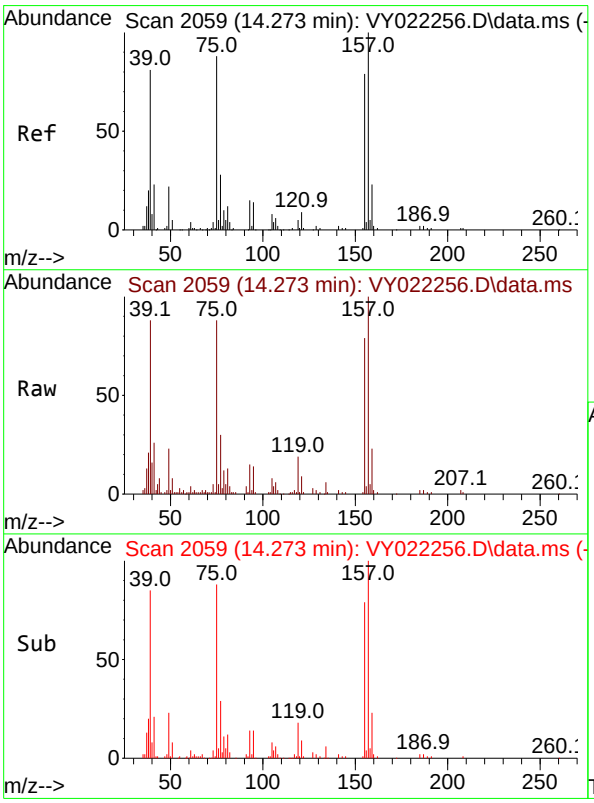
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

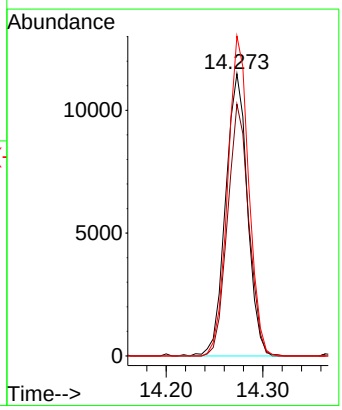
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

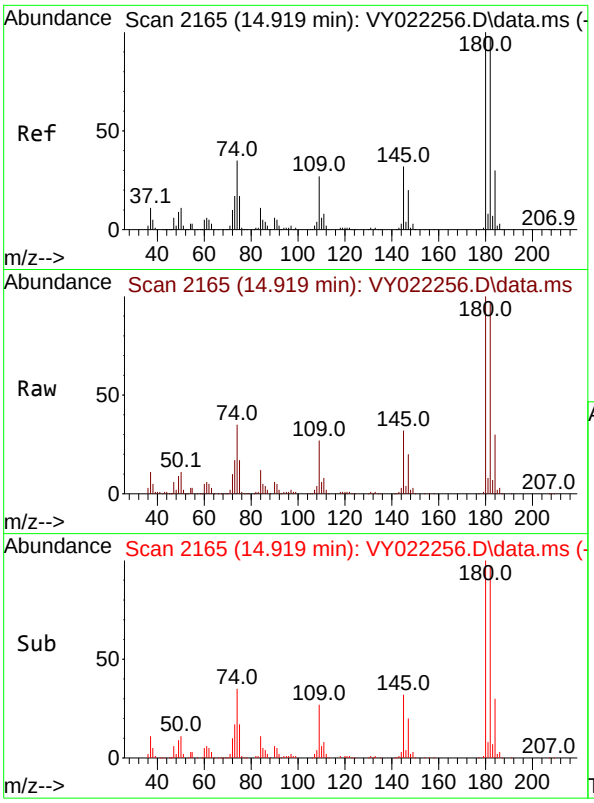


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.682 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion: 75 Resp: 18039

Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.4	130.1
157	109.3	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 51.338 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

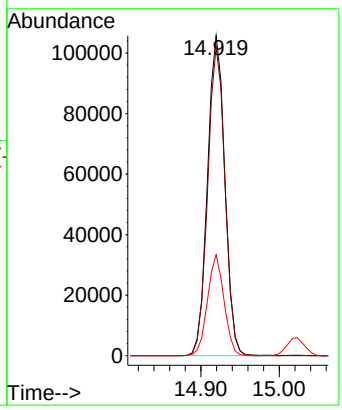
Tgt Ion:180 Resp: 16227

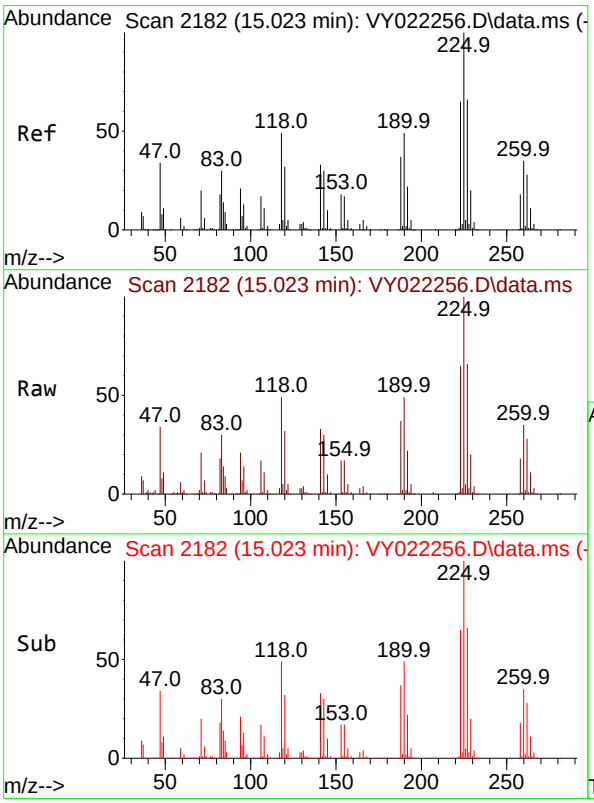
Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.0	144.0
145	30.1	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

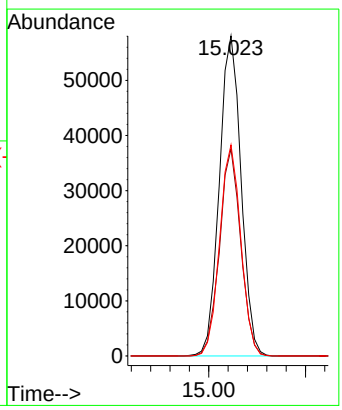


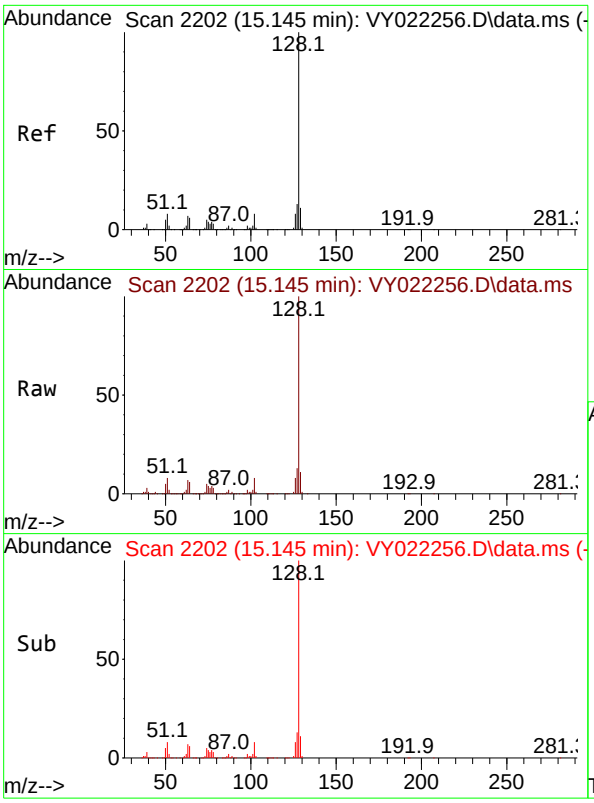


#94
Hexachlorobutadiene
Concen: 51.313 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:225 Resp: 90452

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	64.2	32.1	96.3

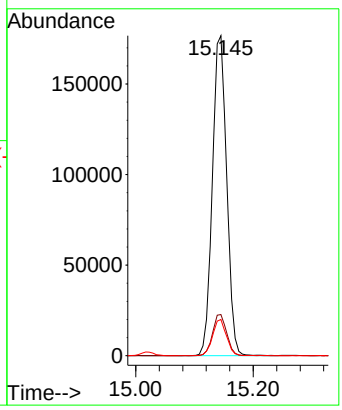




#95
Naphthalene
Concen: 49.692 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:128 Resp: 29807

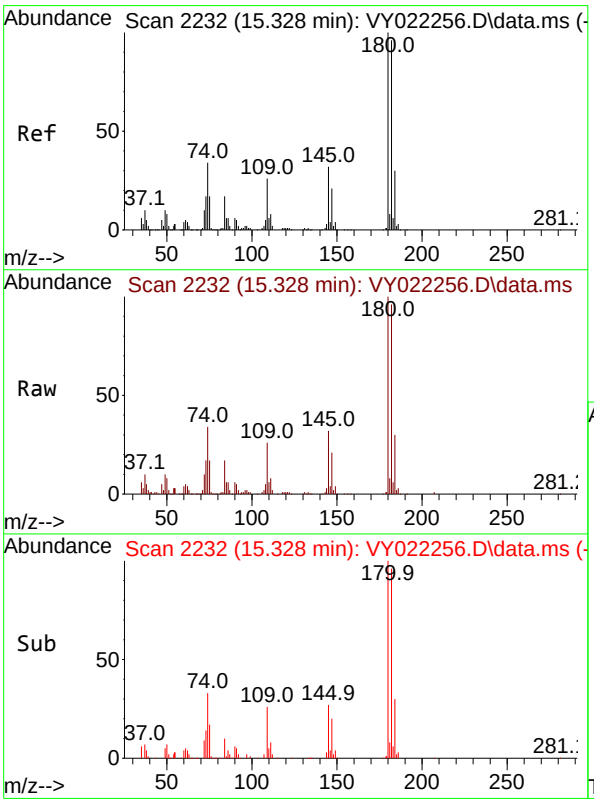
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

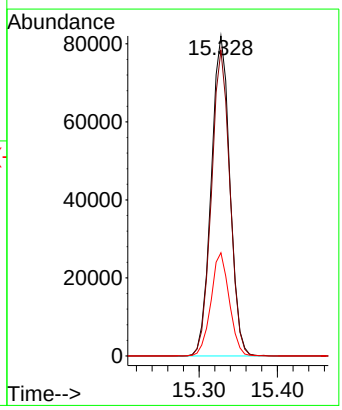
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.596 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022256.D
Acq: 15 May 2025 11:02

Tgt Ion:180 Resp: 135673

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	31.7	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	443341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	385348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	292533	99.729	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.460%#			
35) Dibromofluoromethane	7.634	113	262995	99.389	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 198.780%#			
50) Toluene-d8	10.103	98	1076035	99.289	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 198.580%#			
62) 4-Bromofluorobenzene	12.408	95	343397	99.968	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 199.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	252438	90.138	ug/l	99
3) Chloromethane	2.062	50	561441	95.302	ug/l	100
4) Vinyl Chloride	2.202	62	639001	97.085	ug/l	96
5) Bromomethane	2.586	94	512452	95.642	ug/l	98
6) Chloroethane	2.732	64	393556	96.113	ug/l	99
7) Trichlorofluoromethane	3.049	101	650265	97.581	ug/l	100
8) Diethyl Ether	3.452	74	158375	99.031	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	272288	94.120	ug/l	99
10) Methyl Iodide	4.000	142	349345	104.334	ug/l	100
11) Tert butyl alcohol	4.872	59	112593	502.655	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	277897	96.798	ug/l	97
13) Acrolein	3.653	56	156649	478.373	ug/l	99
14) Allyl chloride	4.378	41	500514	99.429	ug/l	100
15) Acrylonitrile	5.055	53	340325	516.458	ug/l	99
16) Acetone	3.872	43	252327	458.767	ug/l	99
17) Carbon Disulfide	4.104	76	901081	96.251	ug/l	99
18) Methyl Acetate	4.385	43	185837	111.043	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	807404	101.997	ug/l	98
20) Methylene Chloride	4.610	84	305912	86.076	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	311460	98.288	ug/l	97
22) Diisopropyl ether	6.018	45	1075035	101.128	ug/l	99
23) Vinyl Acetate	5.957	43	3259000	507.456	ug/l	100
24) 1,1-Dichloroethane	5.915	63	586479	98.750	ug/l	99
25) 2-Butanone	6.890	43	467301	507.932	ug/l	97
26) 2,2-Dichloropropane	6.884	77	515990	97.682	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	368826	100.861	ug/l	100
28) Bromochloromethane	7.244	49	251676	99.349	ug/l	100
29) Tetrahydrofuran	7.262	42	312286	527.609	ug/l	100
30) Chloroform	7.421	83	565823	99.326	ug/l	98
31) Cyclohexane	7.701	56	535839	90.301	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	506927	96.995	ug/l	100
36) 1,1-Dichloropropene	7.835	75	429153	98.465	ug/l	99
37) Ethyl Acetate	6.982	43	213152	101.642	ug/l	99
38) Carbon Tetrachloride	7.817	117	451589	100.097	ug/l	98
39) Methylcyclohexane	9.109	83	566259	96.704	ug/l	98
40) Benzene	8.079	78	1313733	101.677	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.219	41	131157m	85.474 ug/l		
42) 1,2-Dichloroethane	8.158	62	356974	102.165 ug/l		100
43) Isopropyl Acetate	8.195	43	473430	103.517 ug/l		99
44) Trichloroethene	8.865	130	315543	98.218 ug/l		97
45) 1,2-Dichloropropane	9.140	63	314179	100.858 ug/l		98
46) Dibromomethane	9.231	93	170712	101.606 ug/l		99
47) Bromodichloromethane	9.420	83	446829	102.514 ug/l		99
48) Methyl methacrylate	9.219	41	229512	107.308 ug/l		100
49) 1,4-Dioxane	9.231	88	37780	1990.455 ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	1218685	543.068 ug/l		100
52) Toluene	10.170	92	839400	102.593 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	441672	103.832 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	498023	102.190 ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	219460	102.005 ug/l		99
56) Ethyl methacrylate	10.438	69	353013	105.335 ug/l		98
57) 1,3-Dichloropropane	10.719	76	391514	102.420 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	872907	580.295 ug/l		99
59) 2-Hexanone	10.761	43	809288	537.872 ug/l		100
60) Dibromochloromethane	10.908	129	292143	104.616 ug/l		99
61) 1,2-Dibromoethane	11.011	107	207266	103.362 ug/l		99
64) Tetrachloroethene	10.646	164	343677	96.489 ug/l		99
65) Chlorobenzene	11.438	112	881086	101.346 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	307866	103.007 ug/l		99
67) Ethyl Benzene	11.517	91	1674355	102.836 ug/l		99
68) m/p-Xylenes	11.627	106	1271299	207.213 ug/l		100
69) o-Xylene	11.956	106	602390	103.777 ug/l		99
70) Styrene	11.969	104	1028498	105.038 ug/l		100
71) Bromoform	12.133	173	168679	104.561 ug/l	#	99
73) Isopropylbenzene	12.255	105	1528857	97.241 ug/l		99
74) N-amyl acetate	12.066	43	468707	104.235 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244830	101.255 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	197600m	59.078 ug/l		
77) Bromobenzene	12.529	156	337329	100.456 ug/l		99
78) n-propylbenzene	12.597	91	1846449	97.365 ug/l		100
79) 2-Chlorotoluene	12.676	91	1026401	98.488 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1233838	97.216 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	93252	98.251 ug/l		98
82) 4-Chlorotoluene	12.779	91	1061772	99.052 ug/l		99
83) tert-Butylbenzene	12.999	119	1092617	96.859 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1263612	100.297 ug/l		100
85) sec-Butylbenzene	13.176	105	1634720	97.623 ug/l		100
86) p-Isopropyltoluene	13.291	119	1424684	101.161 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	697868	101.803 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	654104	99.199 ug/l		99
89) n-Butylbenzene	13.615	91	1310061	98.327 ug/l		99
90) Hexachloroethane	13.877	117	275652	96.961 ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	576915	100.192 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41275	105.859 ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	342939	103.107 ug/l		100
94) Hexachlorobutadiene	15.023	225	180060	97.075 ug/l		100
95) Naphthalene	15.145	128	674950	106.935 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	294823	104.488 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022257.D
Acq On : 15 May 2025 11:24
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 16 01:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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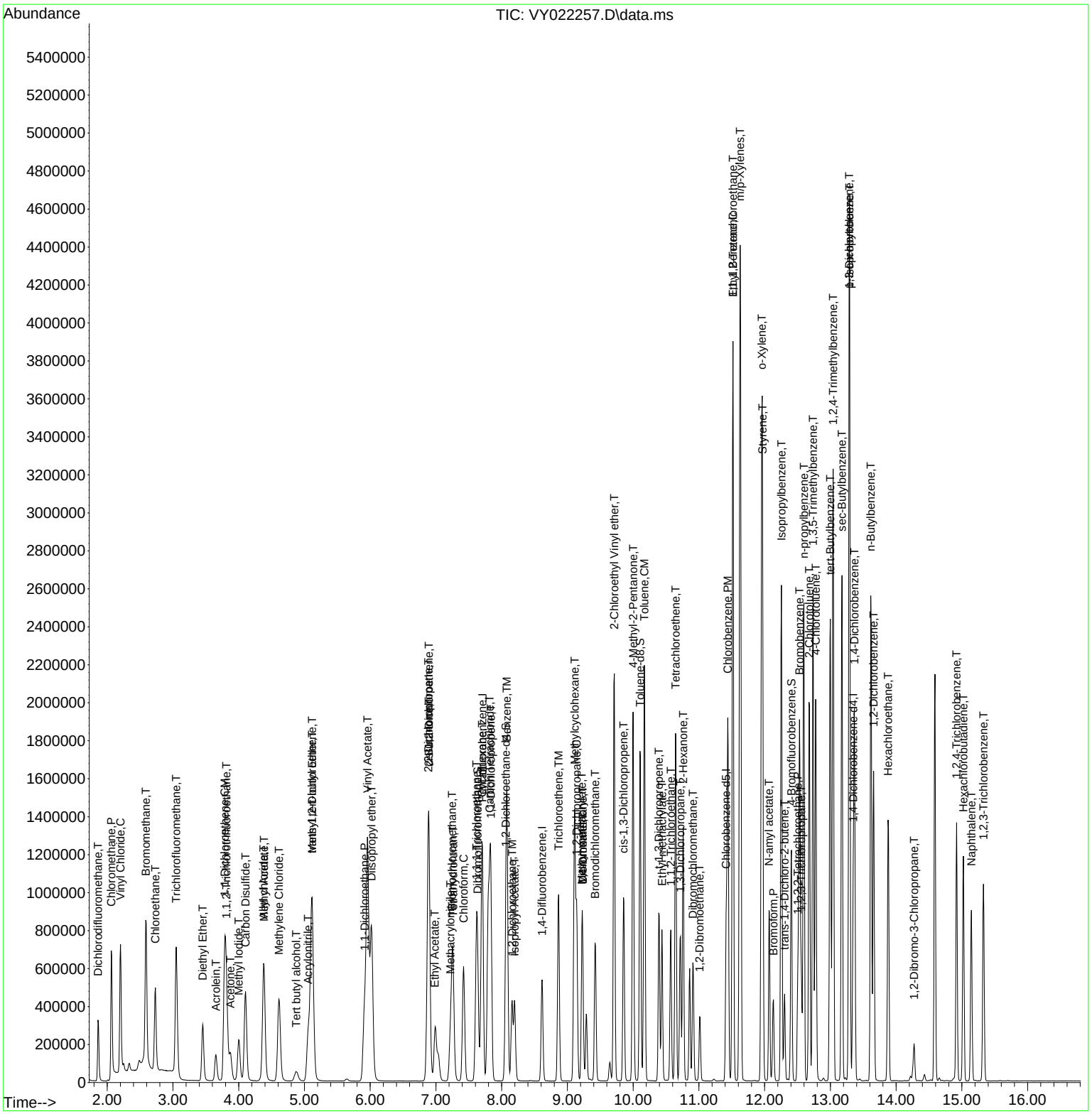
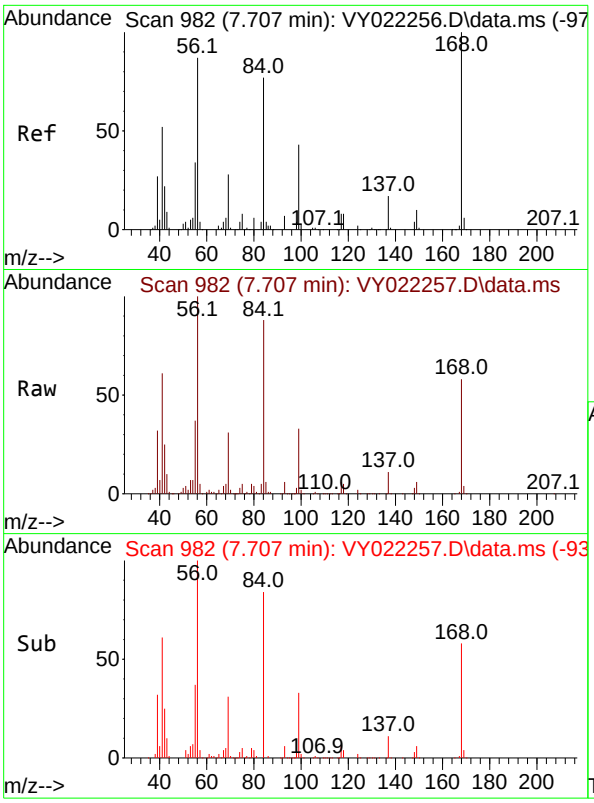
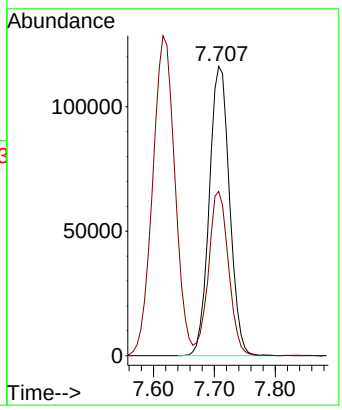




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:168 Resp: 26839

Ion	Ratio	Lower	Upper
168	100		
99	56.7	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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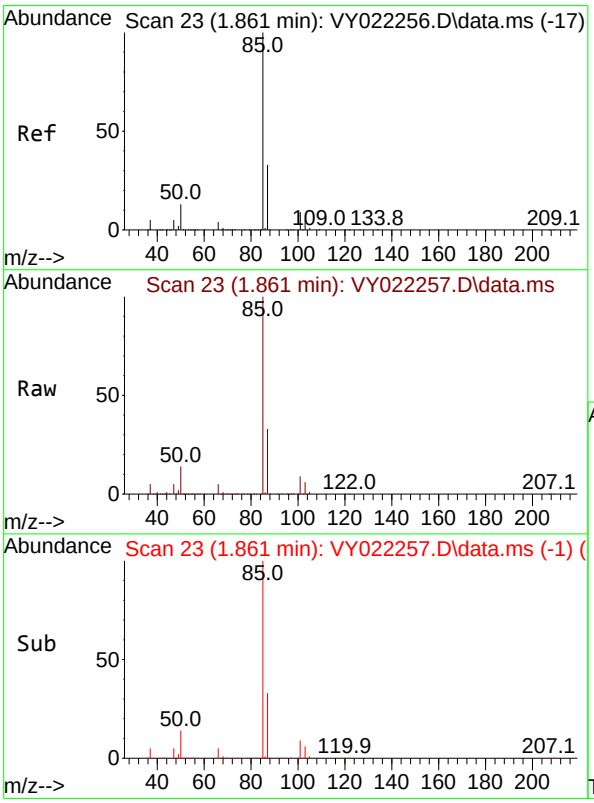
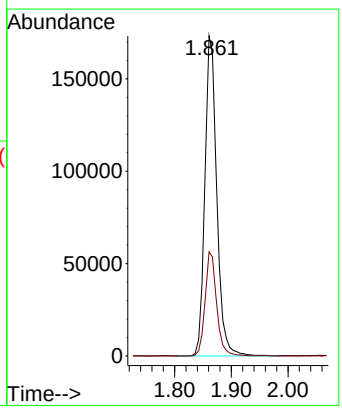
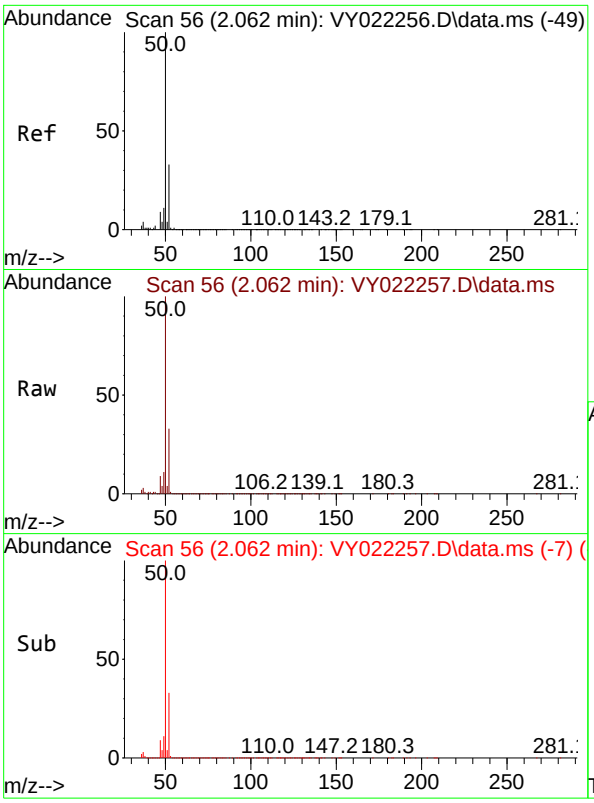


#2
Dichlorodifluoromethane
Concen: 90.138 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 85 Resp: 252438

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.5	49.5

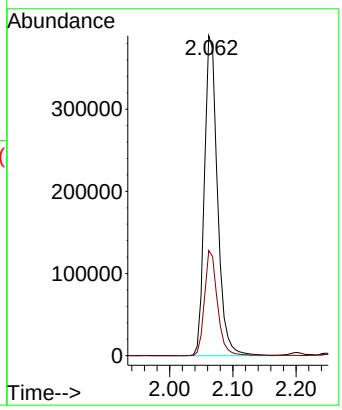




#3
Chloromethane
Concen: 95.302 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 50 Resp: 56144

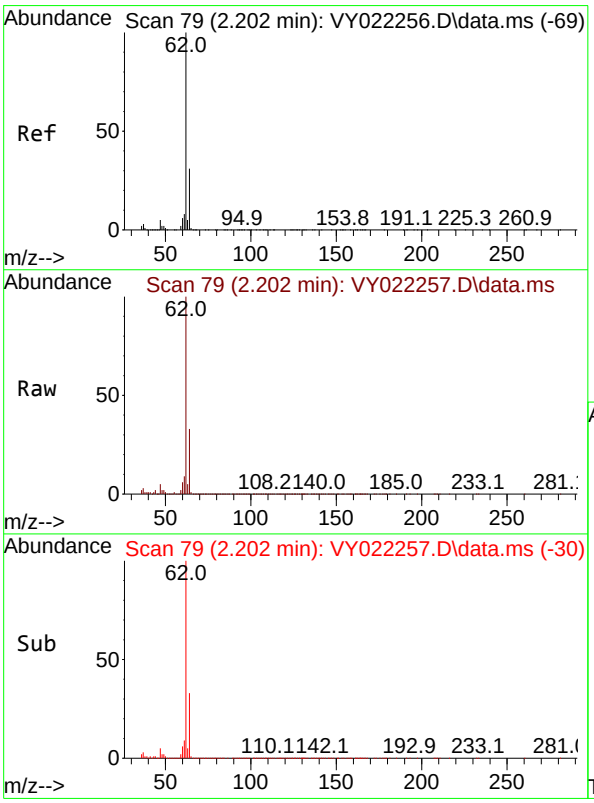
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

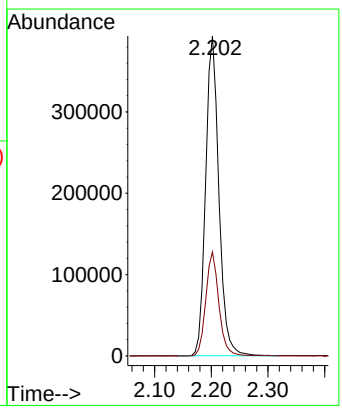
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

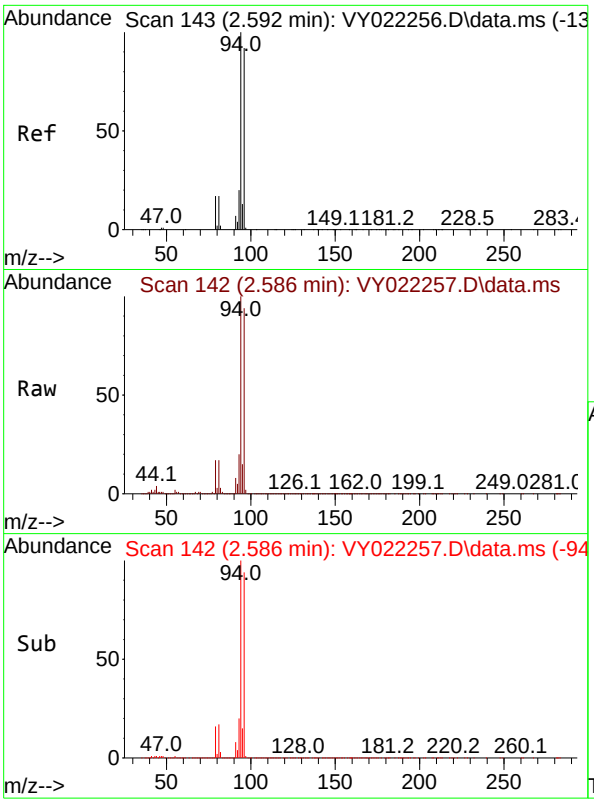


#4
Vinyl Chloride
Concen: 97.085 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 639001

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.5	36.7





#5
Bromomethane
Concen: 95.642 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 94 Resp: 51245

Ion	Ratio	Lower	Upper
94	100		
96	93.7	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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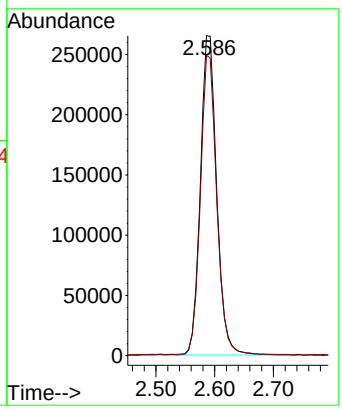
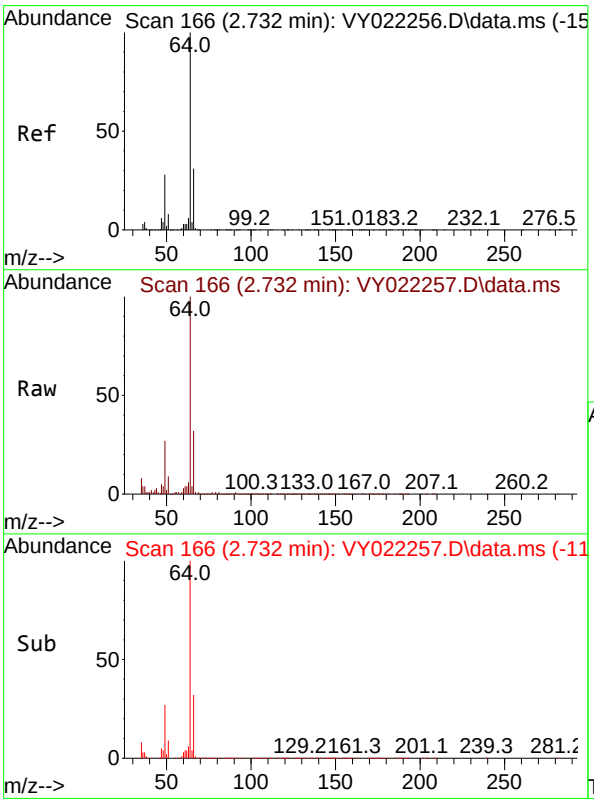
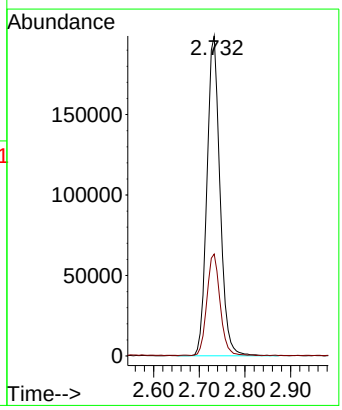


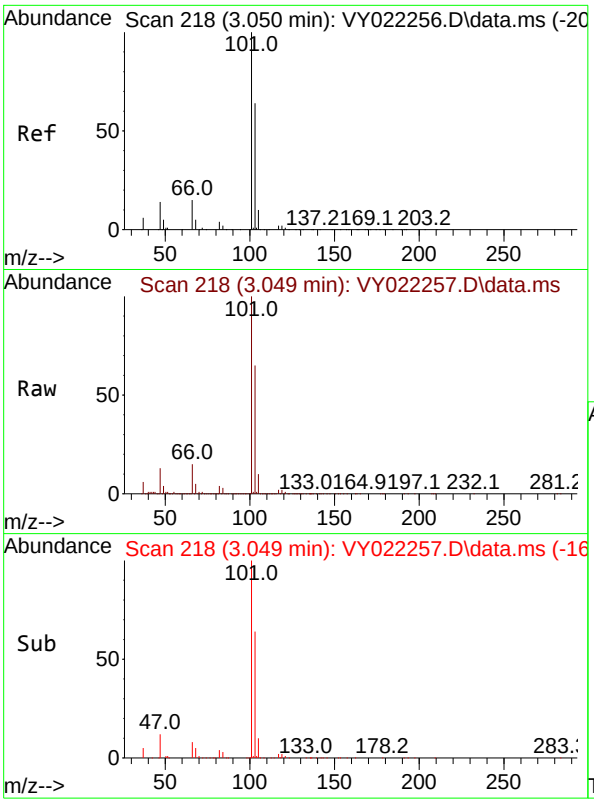


#6
Chloroethane
Concen: 96.113 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 64 Resp: 393556

Ion	Ratio	Lower	Upper
64	100		
66	31.7	24.8	37.2

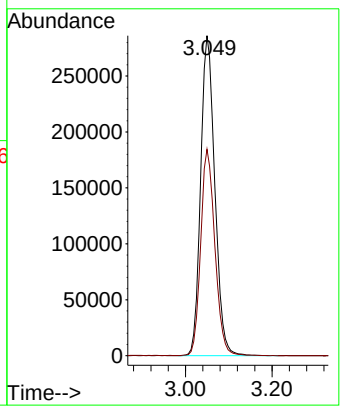




#7
Trichlorofluoromethane
Concen: 97.581 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:101 Resp: 65026

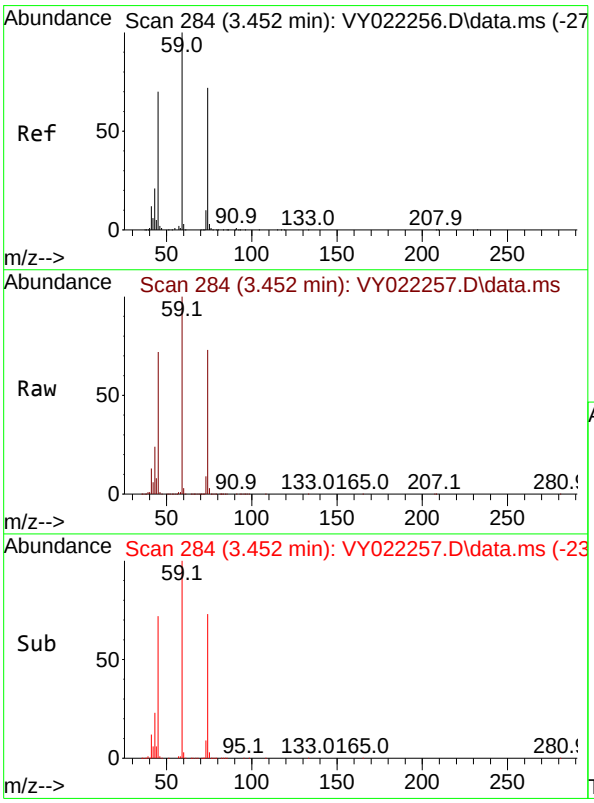
Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

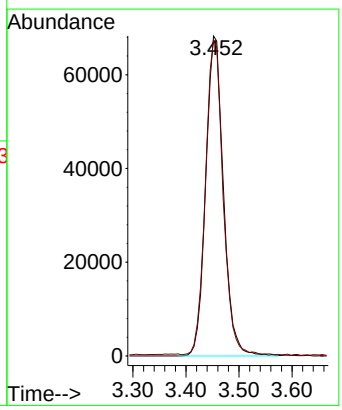
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

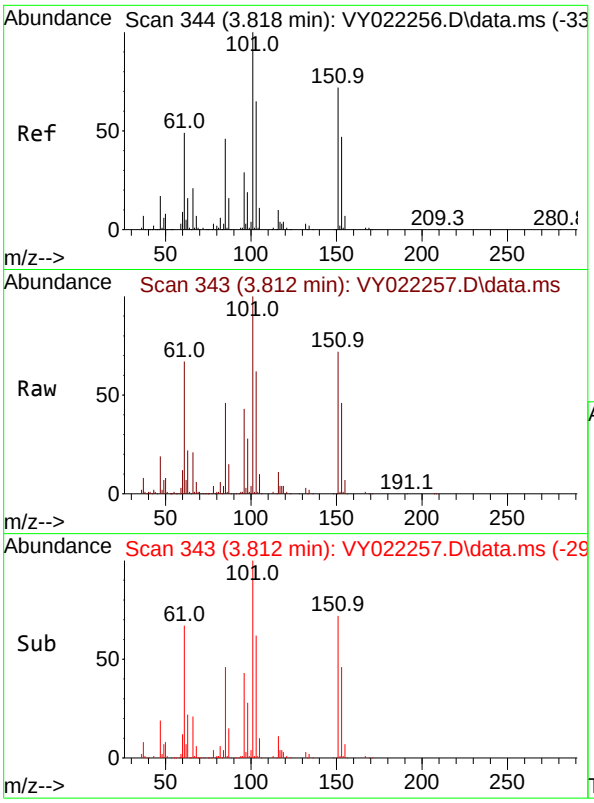


#8
Diethyl Ether
Concen: 99.031 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 74 Resp: 158375

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 94.120 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

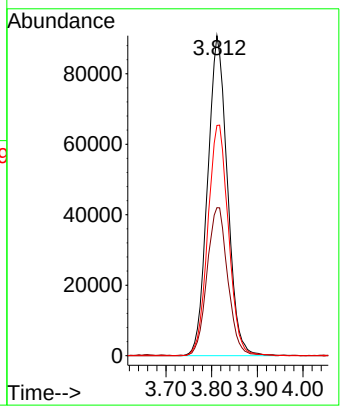
Tgt Ion:101 Resp: 27228

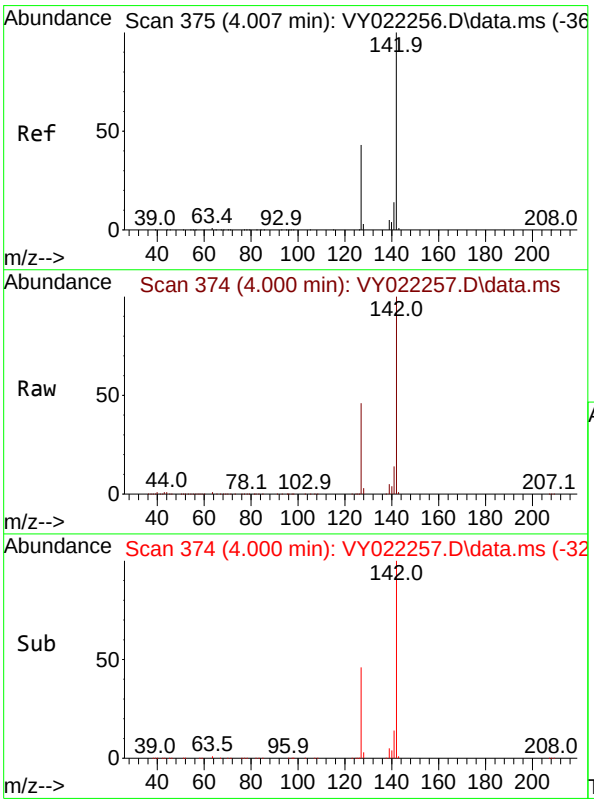
Ion	Ratio	Lower	Upper
101	100		
85	48.8	38.6	58.0
151	75.3	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

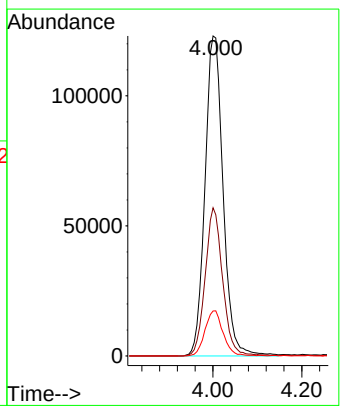


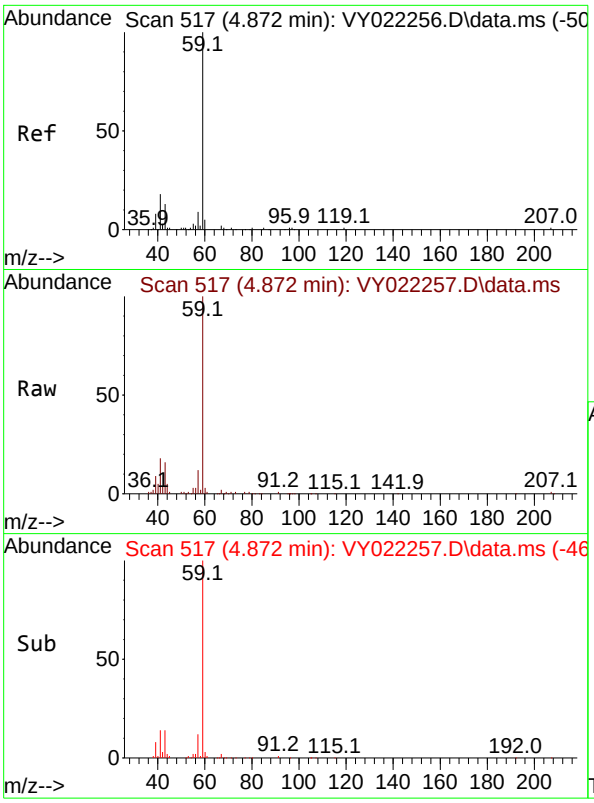


#10
Methyl Iodide
Concen: 104.334 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:142 Resp: 349345

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.1	11.1	16.7





#11
Tert butyl alcohol
Concen: 502.655 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 59 Resp: 11259

Ion	Ratio	Lower	Upper
59	100		
57	10.6	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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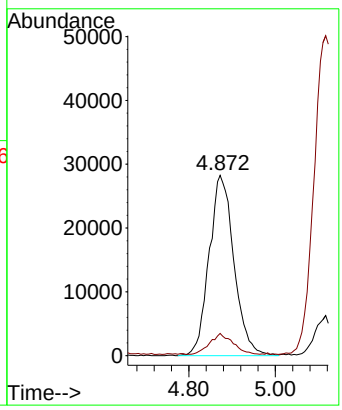
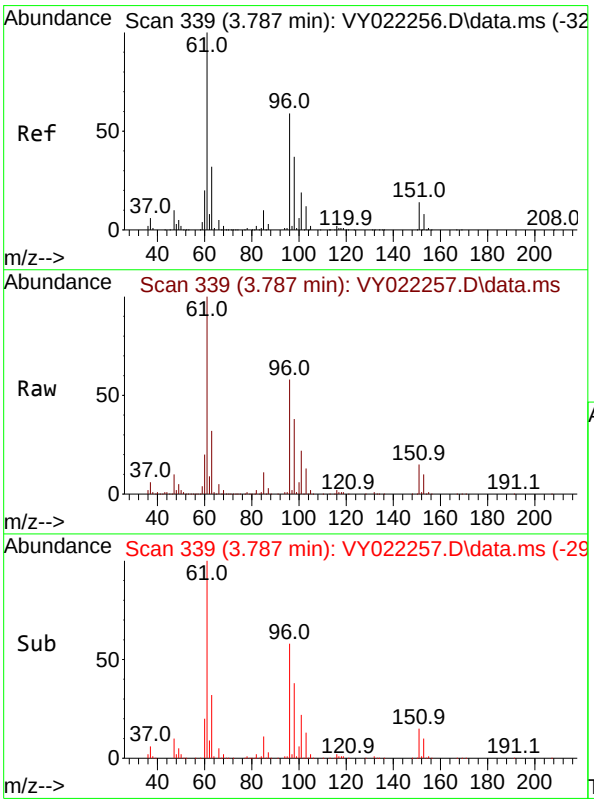
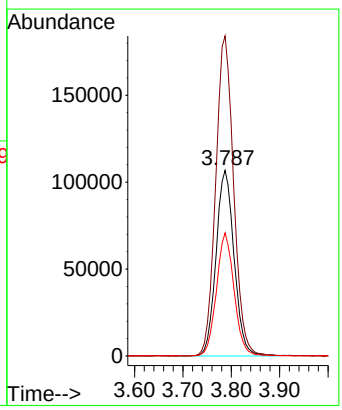


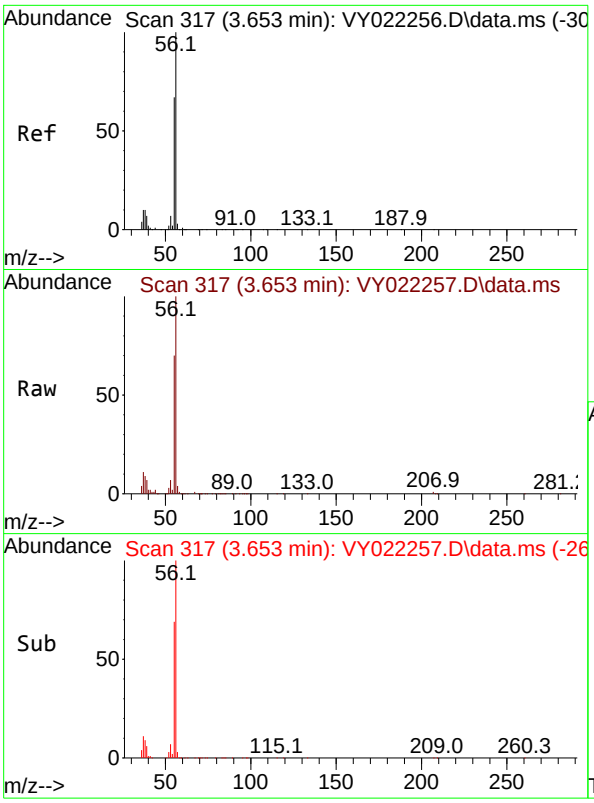


#12
1,1-Dichloroethene
Concen: 96.798 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 277897

Ion	Ratio	Lower	Upper
96	100		
61	172.4	134.9	202.3
98	66.2	49.9	74.9

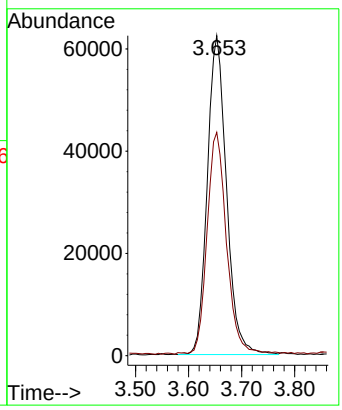




#13
Acrolein
Concen: 478.373 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 56 Resp: 15664

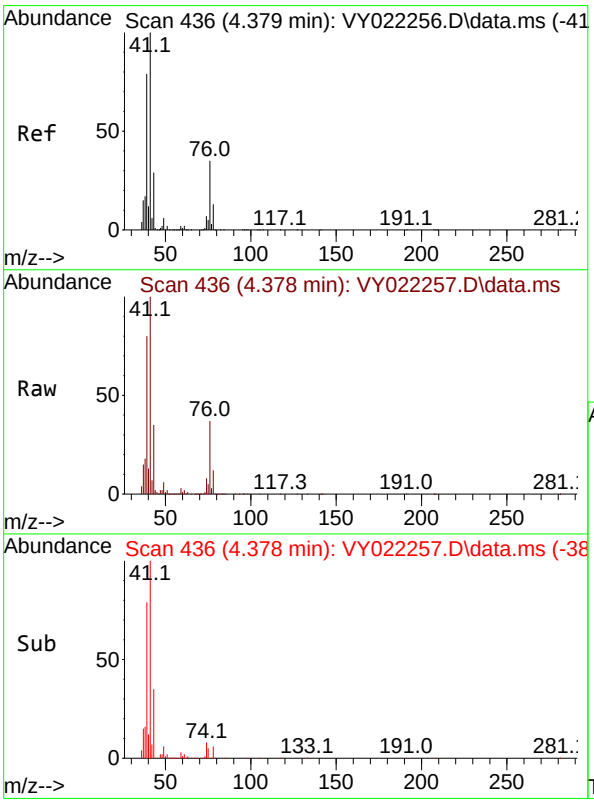
Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

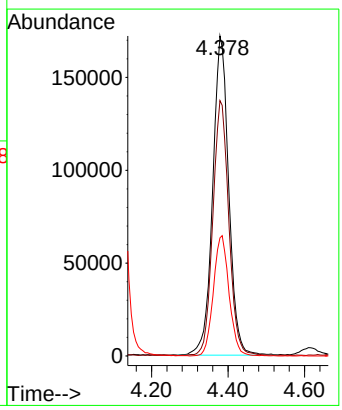
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

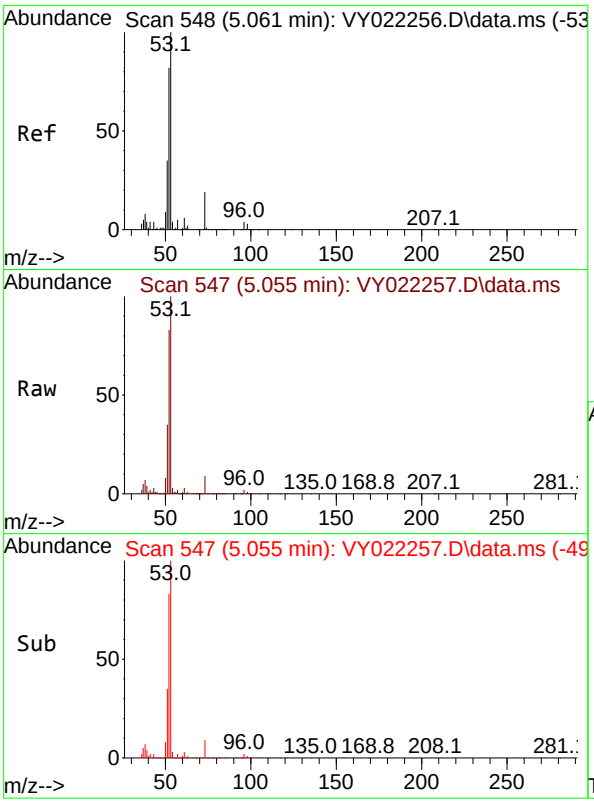


#14
Allyl chloride
Concen: 99.429 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 500514

Ion	Ratio	Lower	Upper
41	100		
39	79.4	63.4	95.0
76	36.9	29.5	44.3

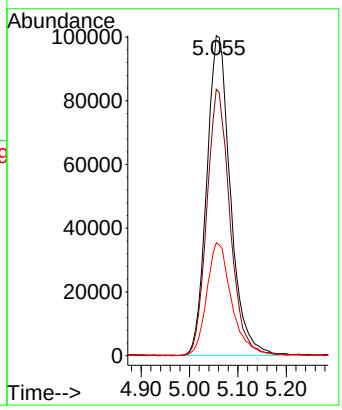




#15
Acrylonitrile
Concen: 516.458 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 53 Resp: 34032

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	37.4	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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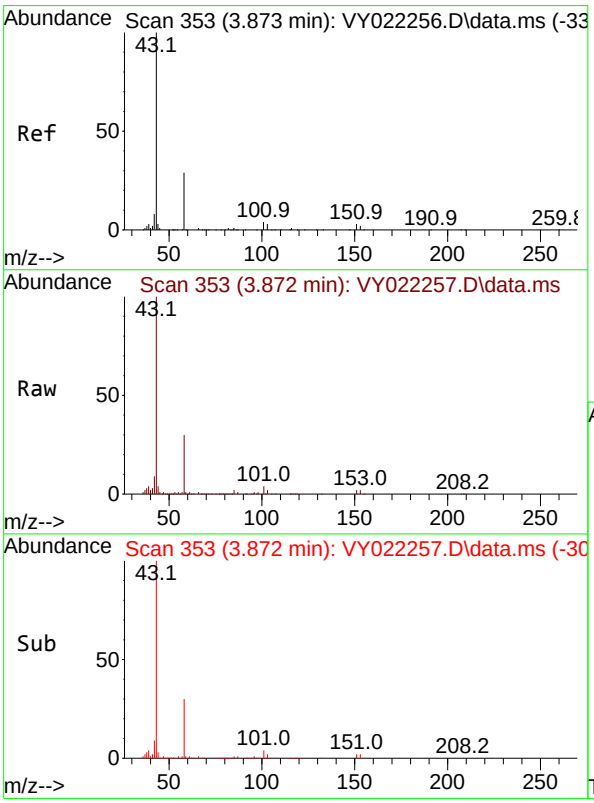
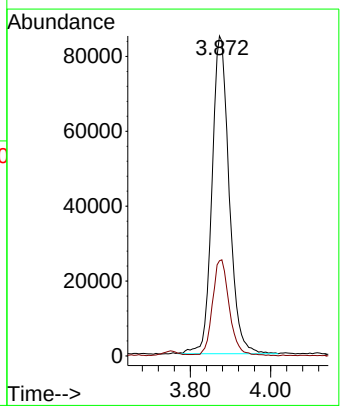
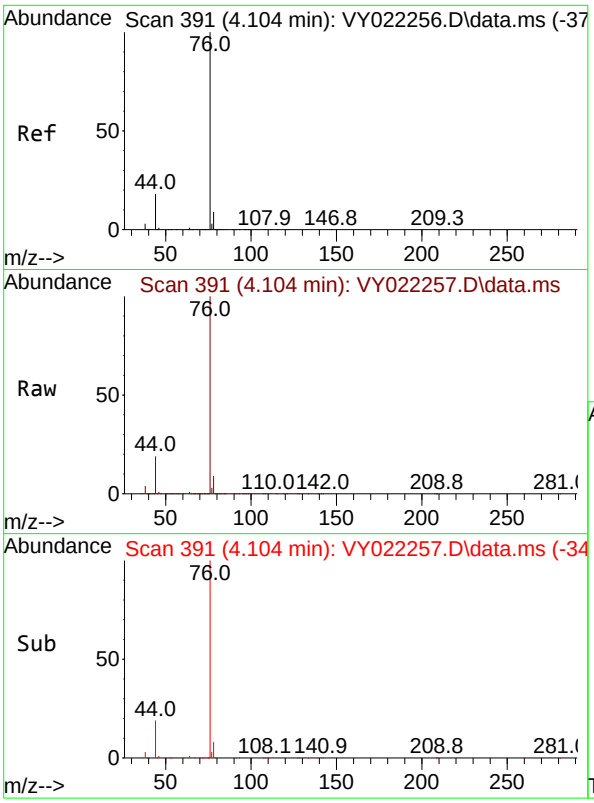


#16
Acetone
Concen: 458.767 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 252327

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.6	35.4





#17
Carbon Disulfide
Concen: 96.251 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 76 Resp: 90108

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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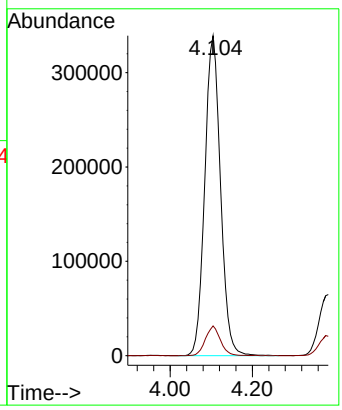
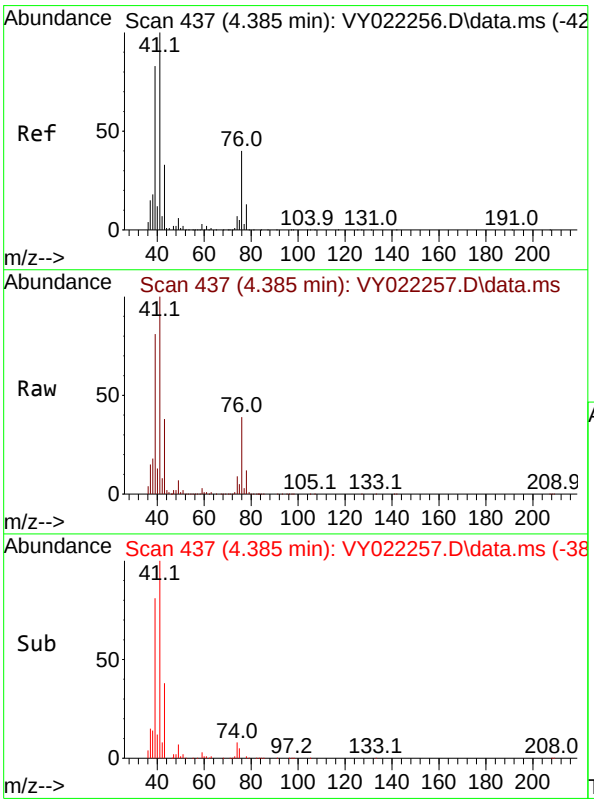
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

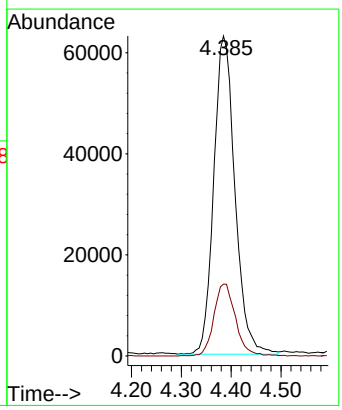


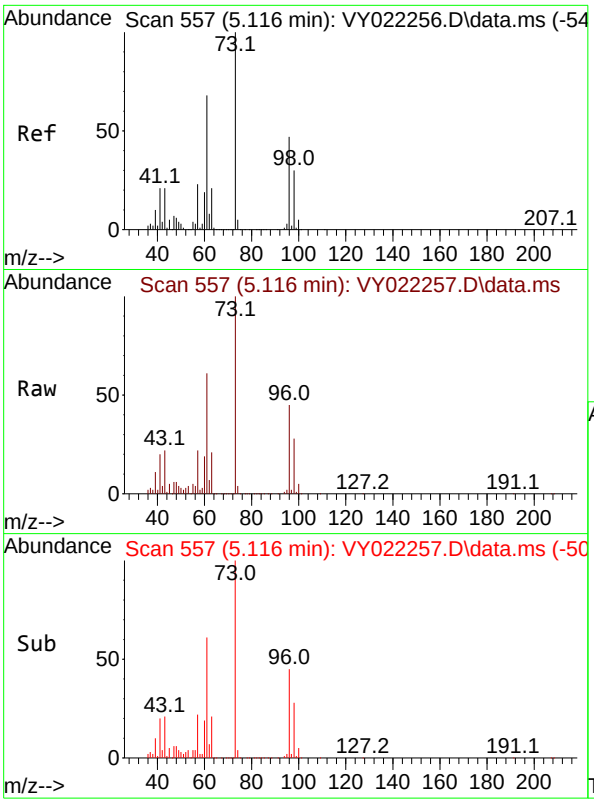


#18
Methyl Acetate
Concen: 111.043 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 185837

Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.2	27.4

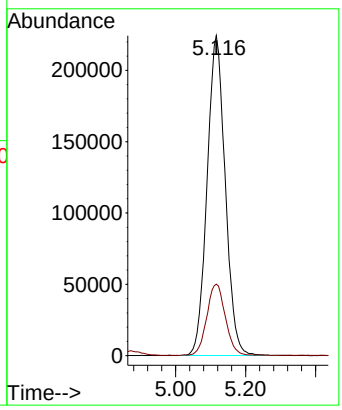




#19
Methyl tert-butyl Ether
Concen: 101.997 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 73 Resp: 80740

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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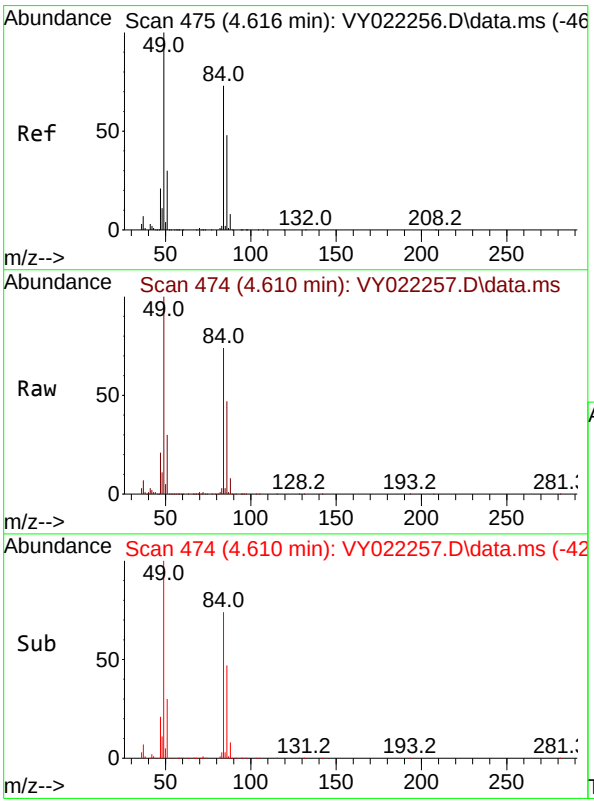
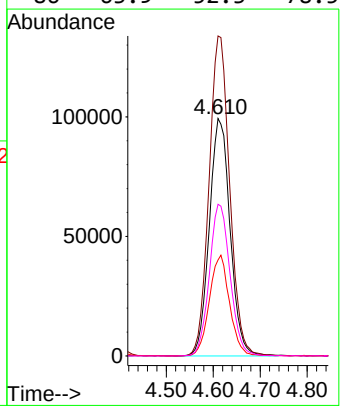
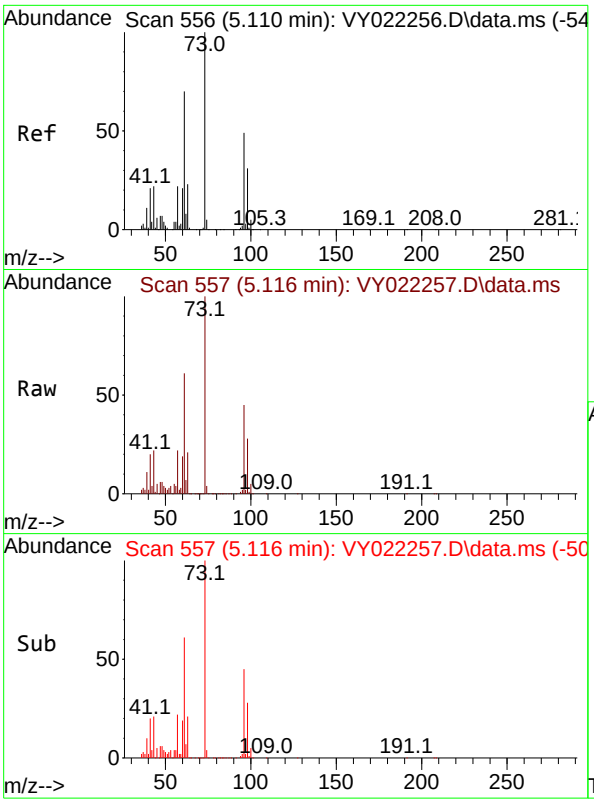


#20
Methylene Chloride
Concen: 86.076 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 84 Resp: 305912

Ion	Ratio	Lower	Upper
84	100		
49	134.8	109.6	164.4
51	40.3	32.4	48.6
86	63.9	52.3	78.5

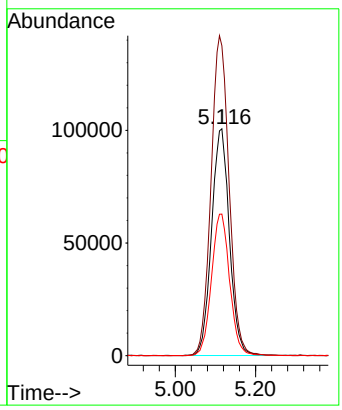




#21
trans-1,2-Dichloroethene
Concen: 98.288 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 31146

Ion	Ratio	Lower	Upper
96	100		
61	136.7	113.4	170.0
98	62.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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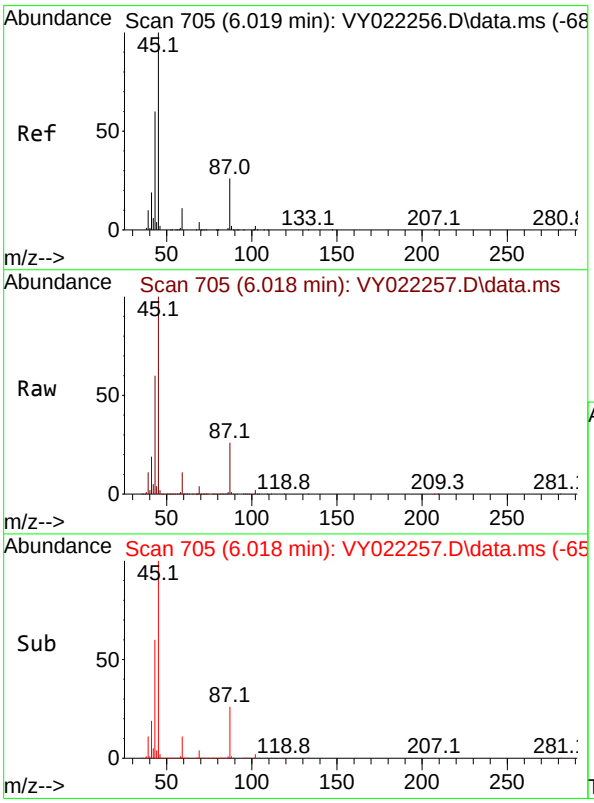
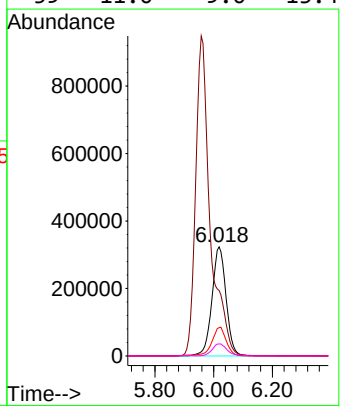
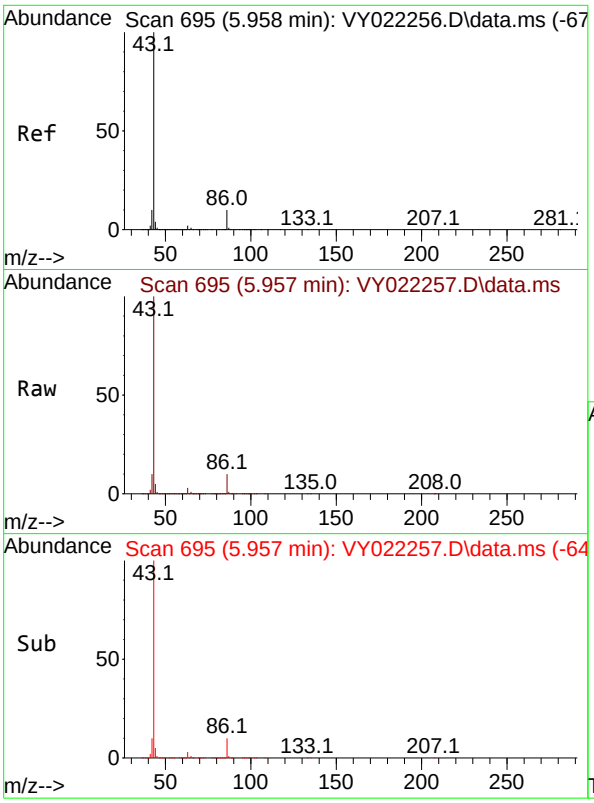


#22
Diisopropyl ether
Concen: 101.128 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 45 Resp: 1075035

Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.2	72.2
87	25.9	21.4	32.0
59	11.0	9.0	13.4

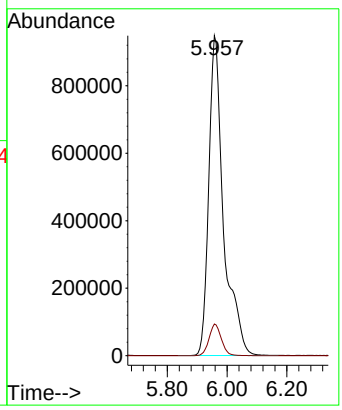




#23
Vinyl Acetate
Concen: 507.456 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 325900

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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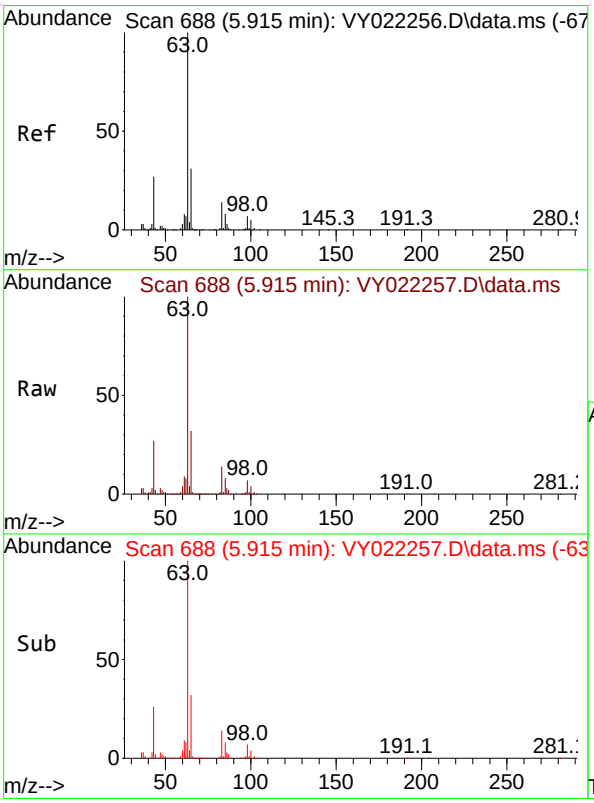
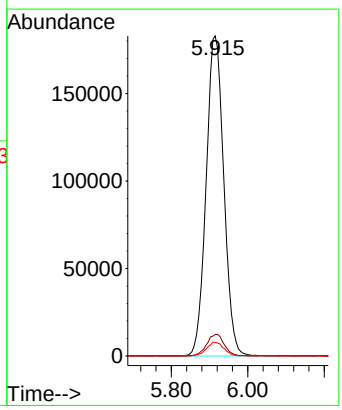
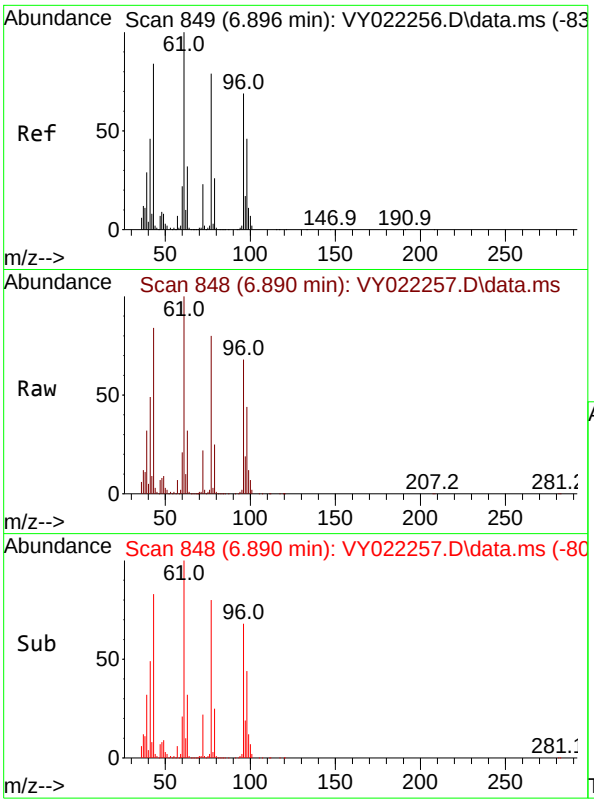


#24
1,1-Dichloroethane
Concen: 98.750 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 586479

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.2	2.4	7.2

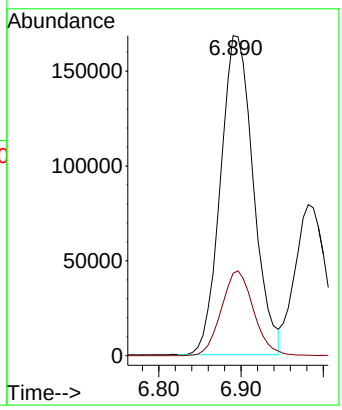




#25
2-Butanone
Concen: 507.932 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 46730

Ion	Ratio	Lower	Upper
43	100		
72	25.8	22.1	33.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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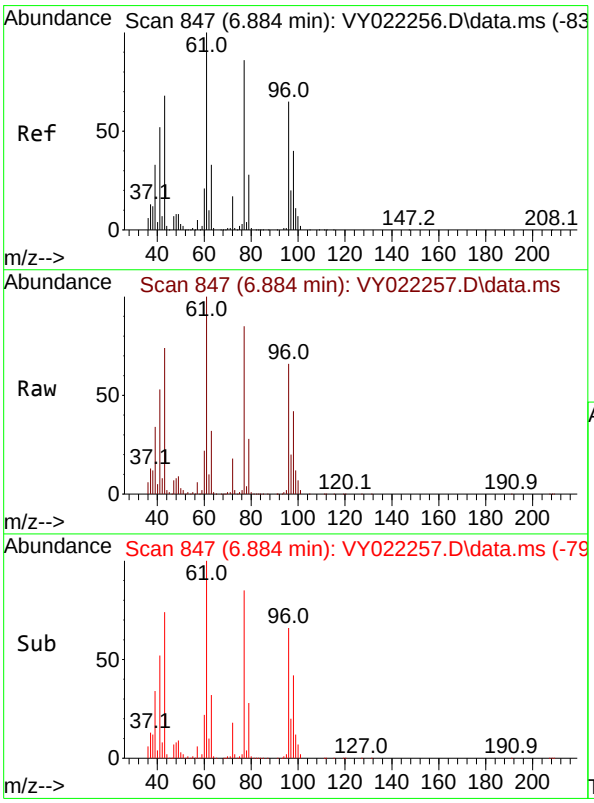
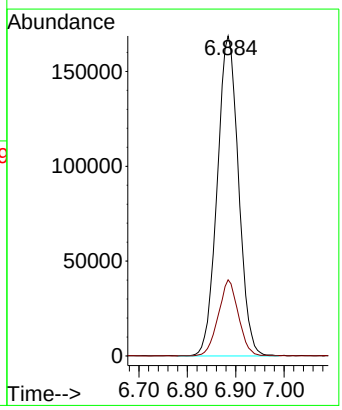
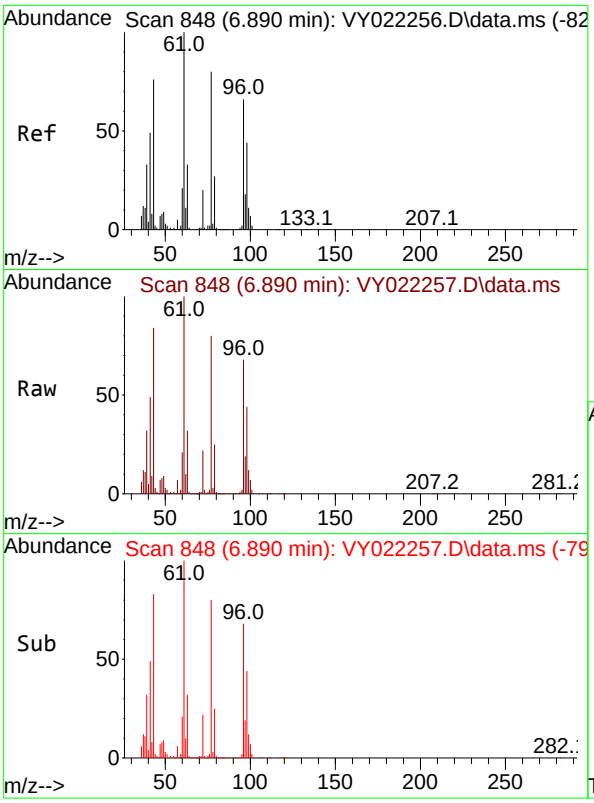


#26
2,2-Dichloropropane
Concen: 97.682 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 77 Resp: 515990

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 100.861 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 96 Resp: 36882

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	302.6
98	64.6	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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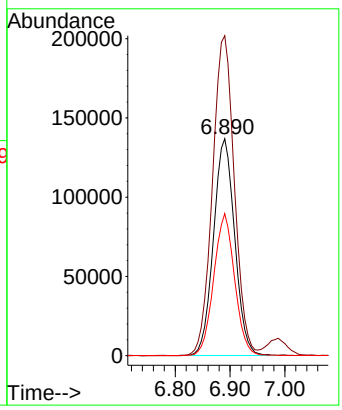
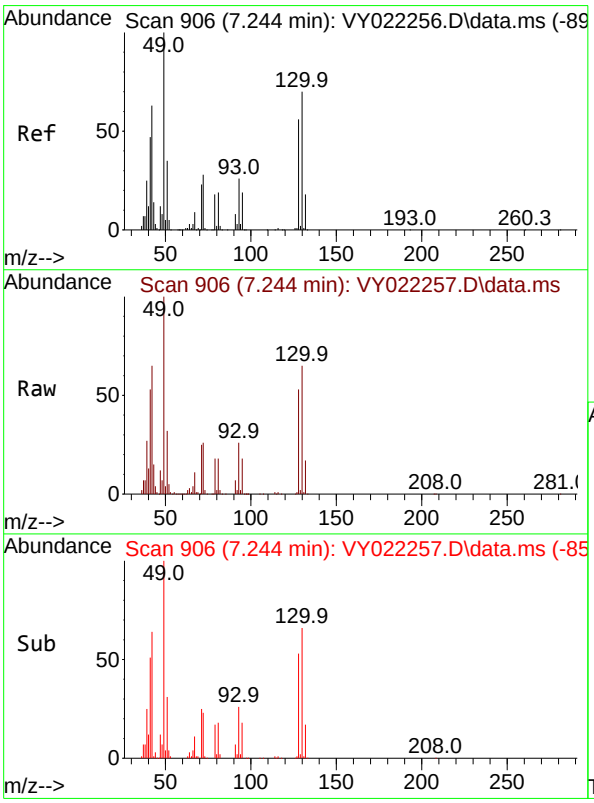
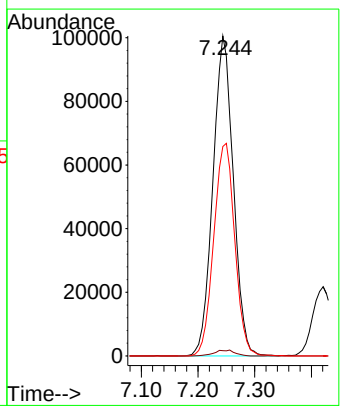


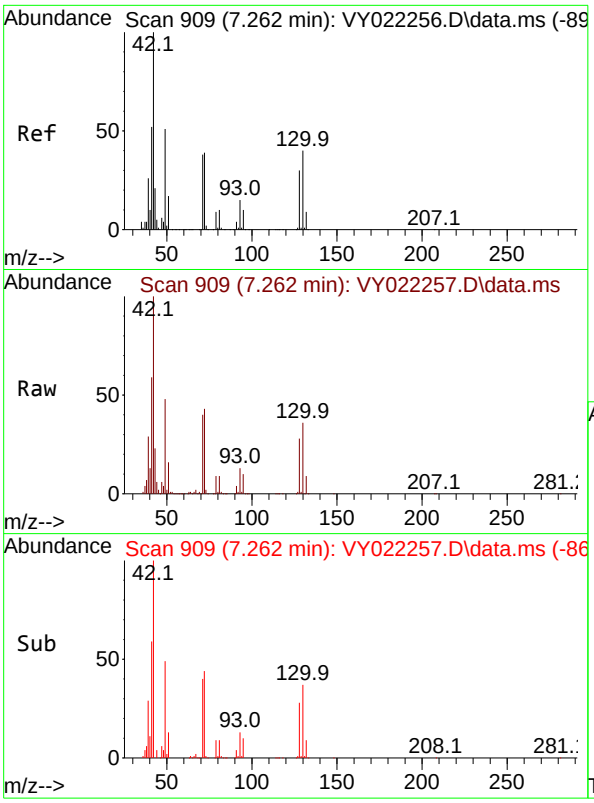


#28
Bromochloromethane
Concen: 99.349 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 49 Resp: 251676

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.4	54.7	82.1

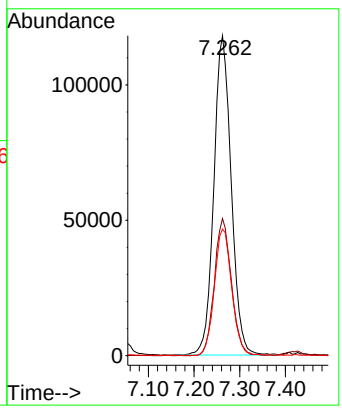




#29
Tetrahydrofuran
Concen: 527.609 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 42 Resp: 31228

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.4	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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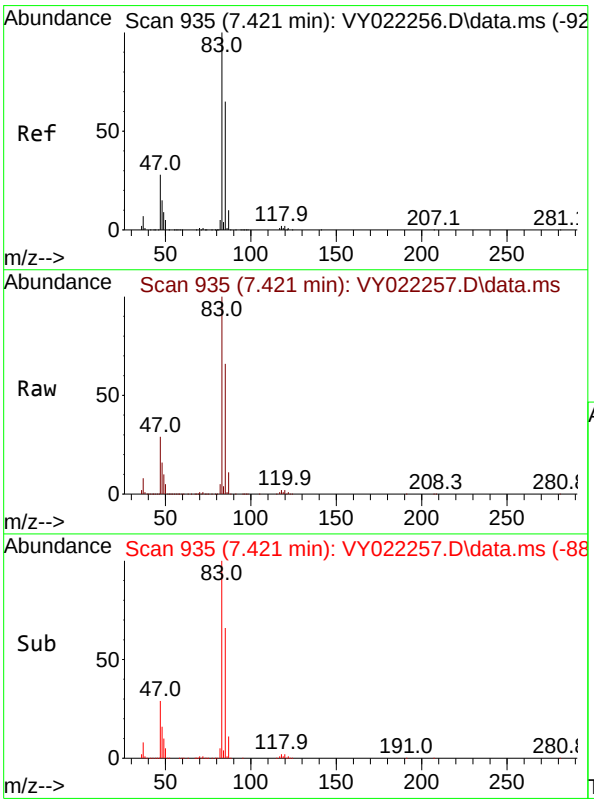
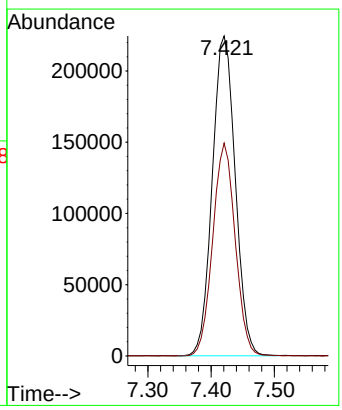
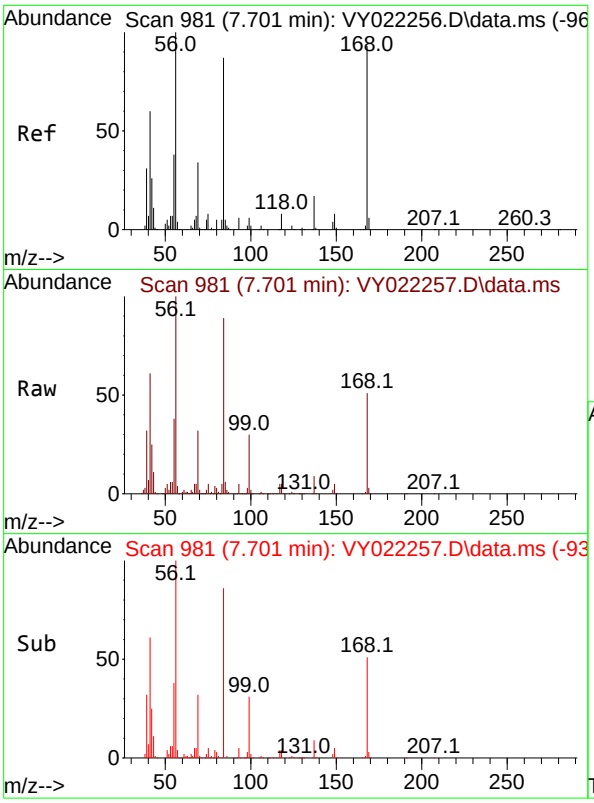


#30
Chloroform
Concen: 99.326 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 565823

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.8	77.8

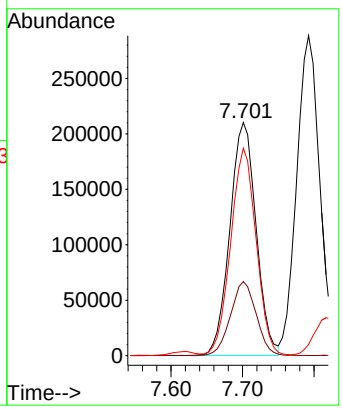




#31
Cyclohexane
Concen: 90.301 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 56 Resp: 53583

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.6	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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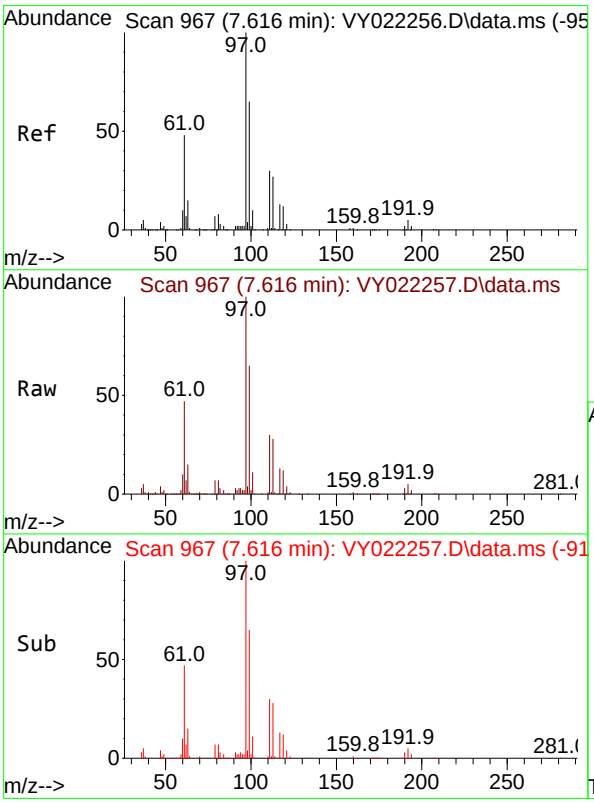
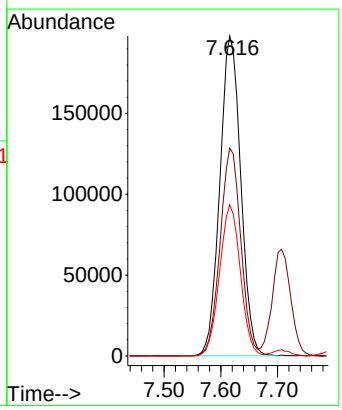
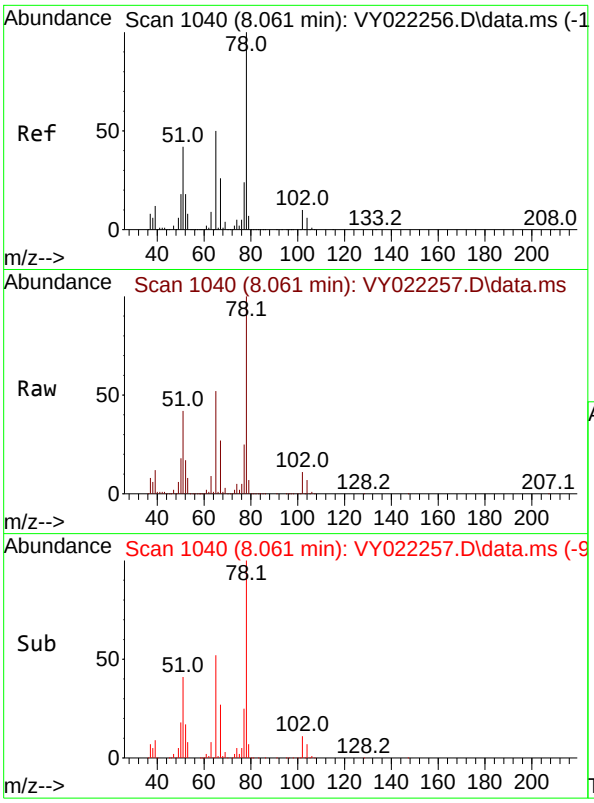


#32
1,1,1-Trichloroethane
Concen: 96.995 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 506927

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	47.1	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 99.729 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 65 Resp: 29253

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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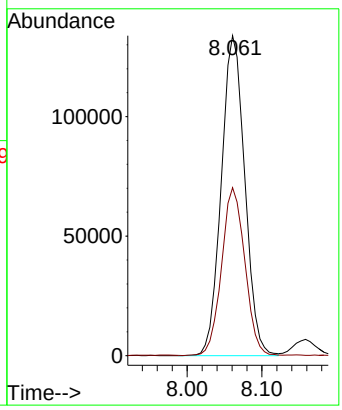
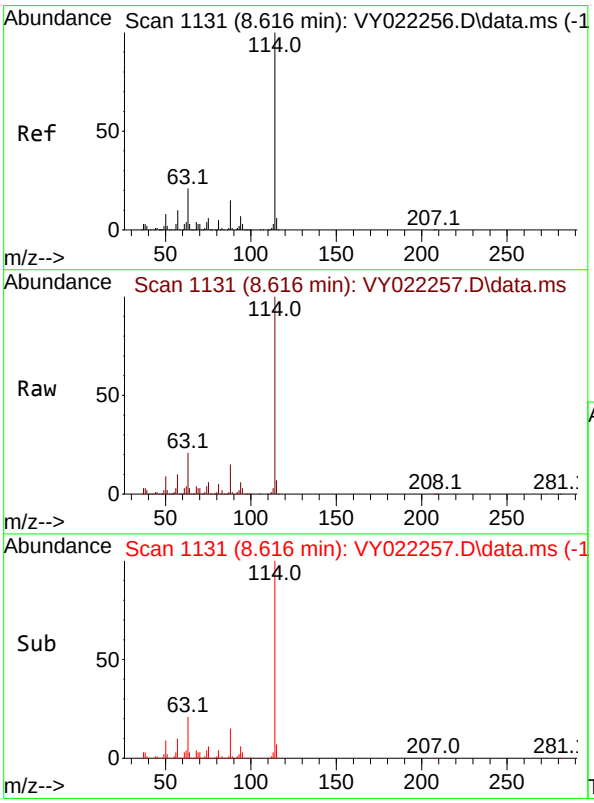
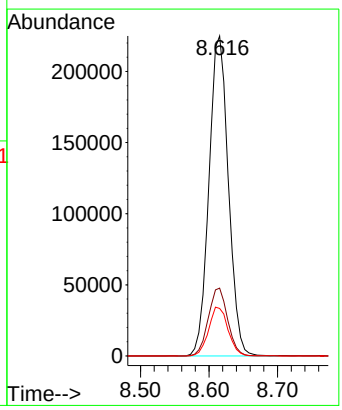


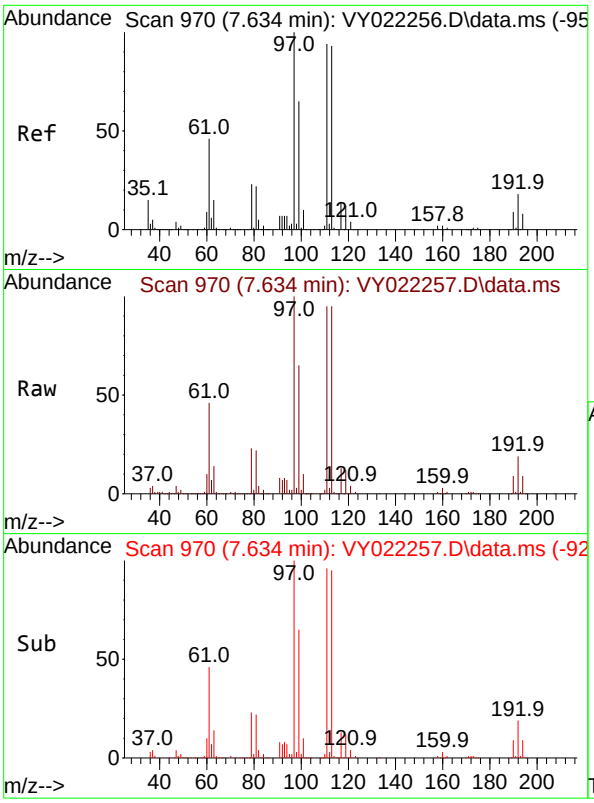


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:114 Resp: 443341

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.0
88	14.9	0.0	29.4

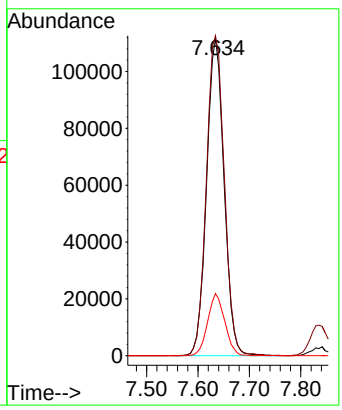




#35
Dibromofluoromethane
Concen: 99.389 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:113 Resp: 26299

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	19.2	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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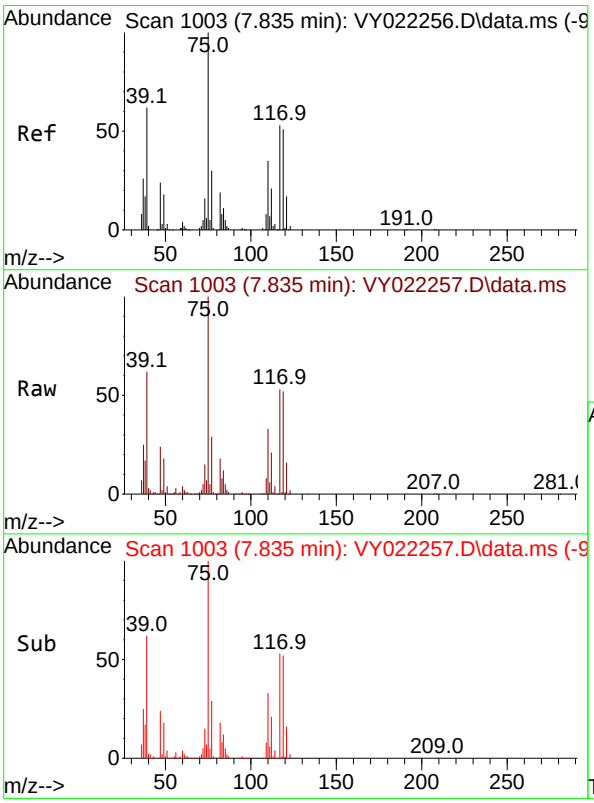
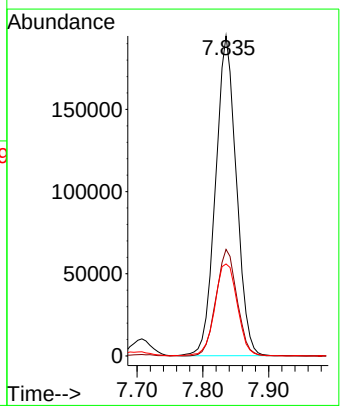
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

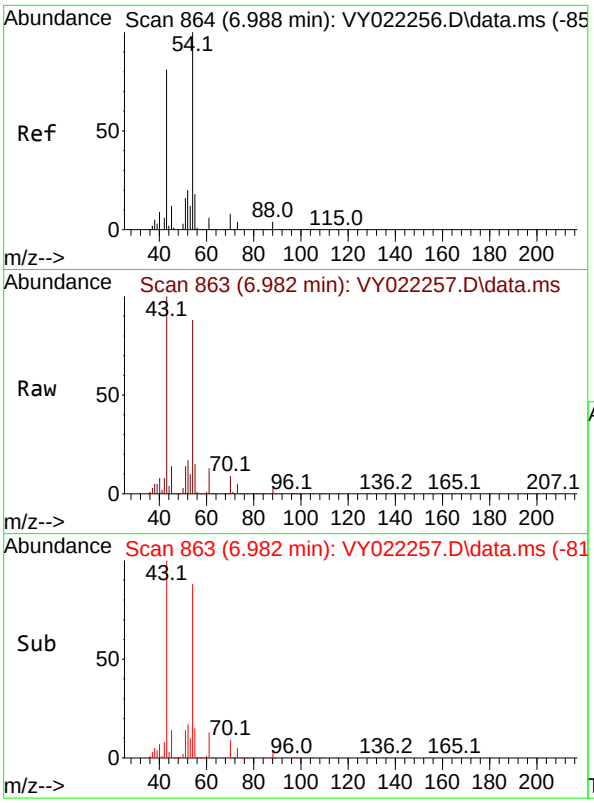


#36
1,1-Dichloropropene
Concen: 98.465 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 429153

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	31.2	24.6	37.0





#37
Ethyl Acetate
Concen: 101.642 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 21315

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	9.1	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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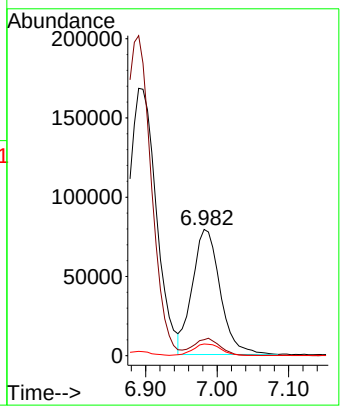
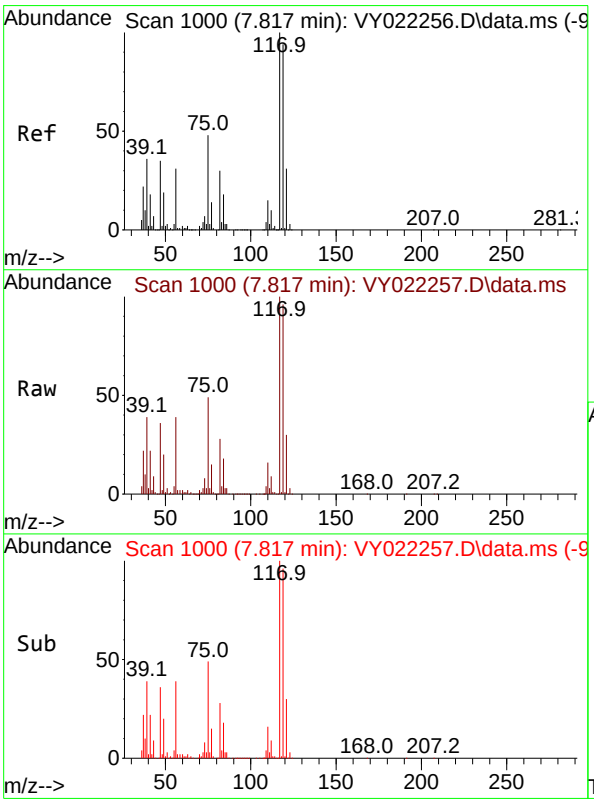
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

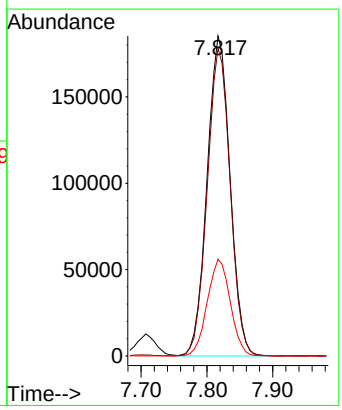


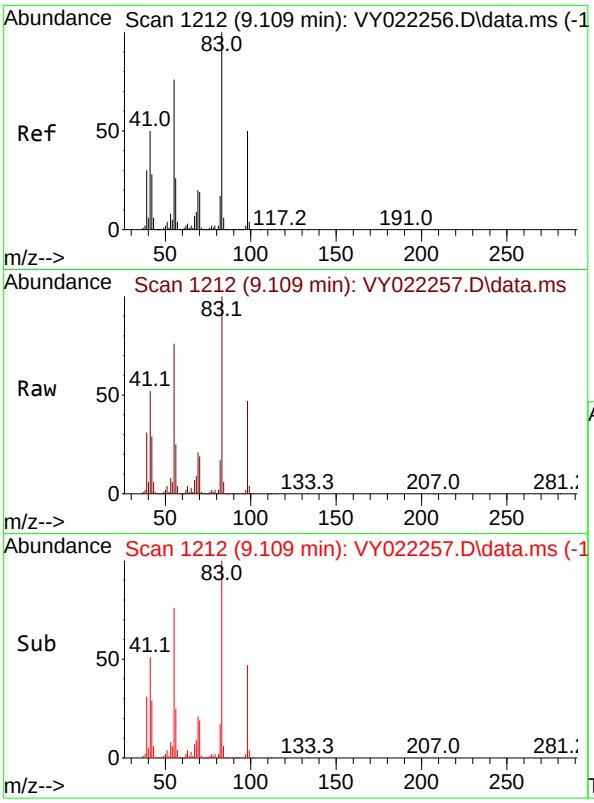


#38
Carbon Tetrachloride
Concen: 100.097 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 451589

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.3	112.9
121	30.3	24.7	37.1

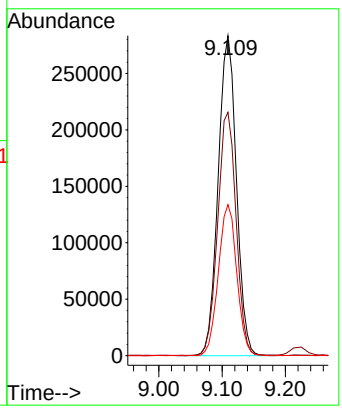




#39
Methylcyclohexane
Concen: 96.704 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 56625

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.6	90.8
98	47.2	40.0	60.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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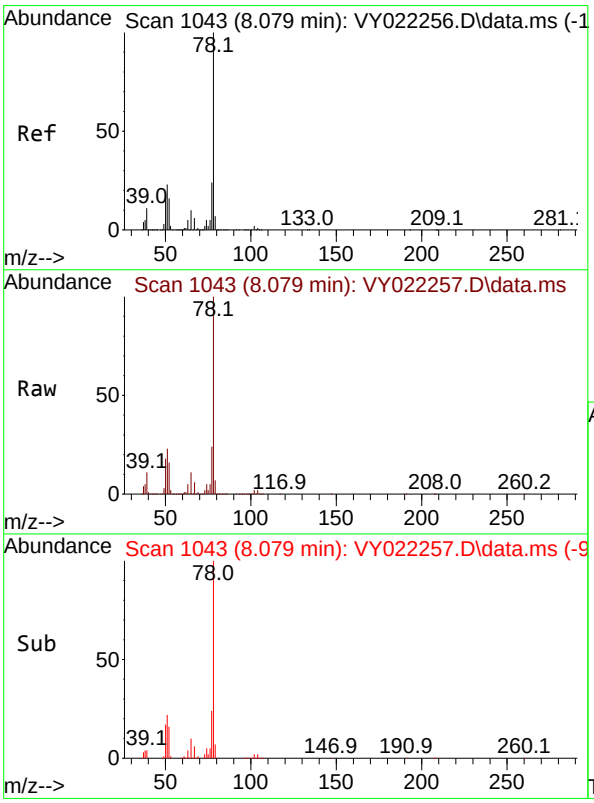
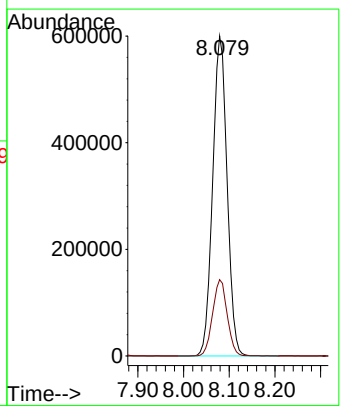
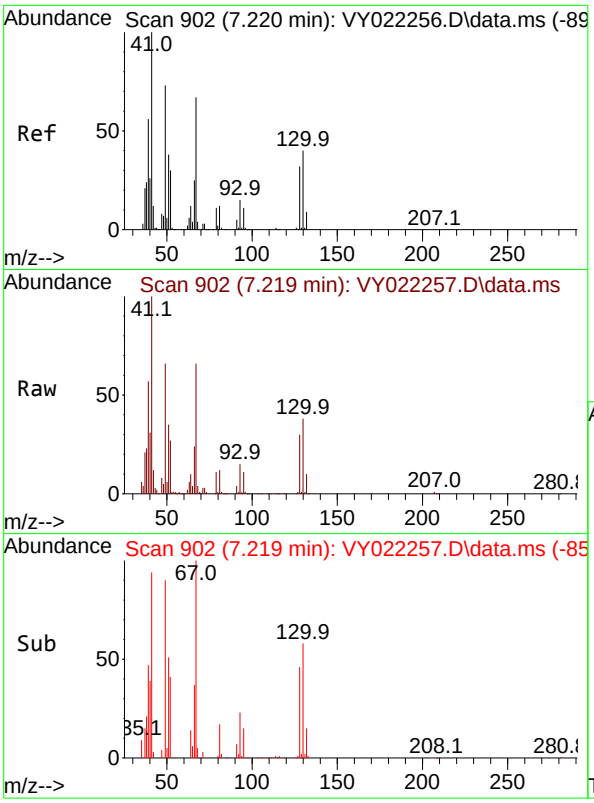


#40
Benzene
Concen: 101.677 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 78 Resp: 1313733

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3

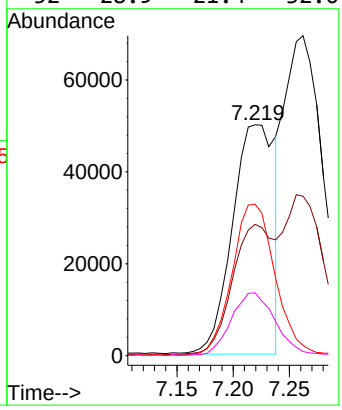




#41
Methacrylonitrile
Concen: 85.474 ug/l m
RT: 7.219 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 13115

Ion	Ratio	Lower	Upper
41	100		
39	55.7	39.1	58.7
67	67.2	47.1	70.7
52	28.9	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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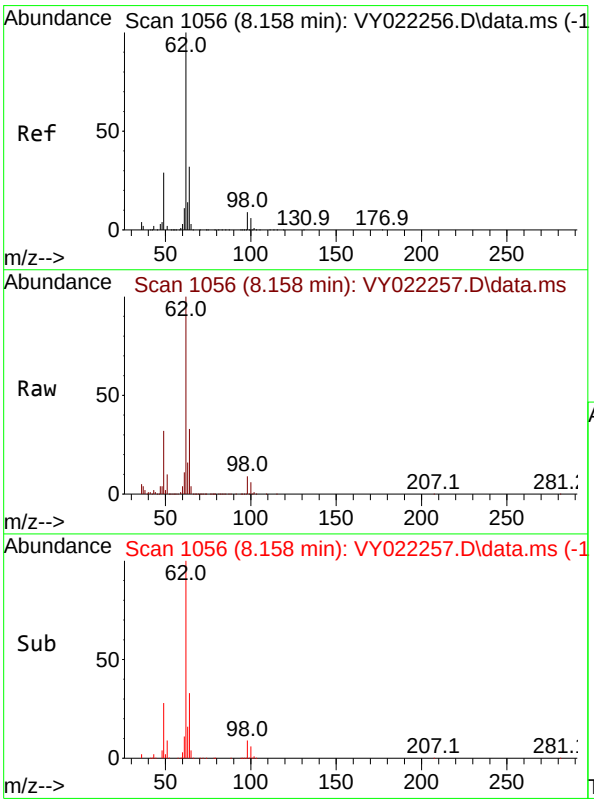
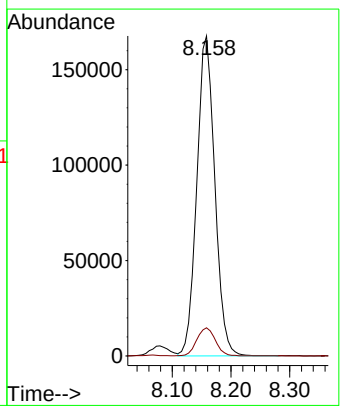
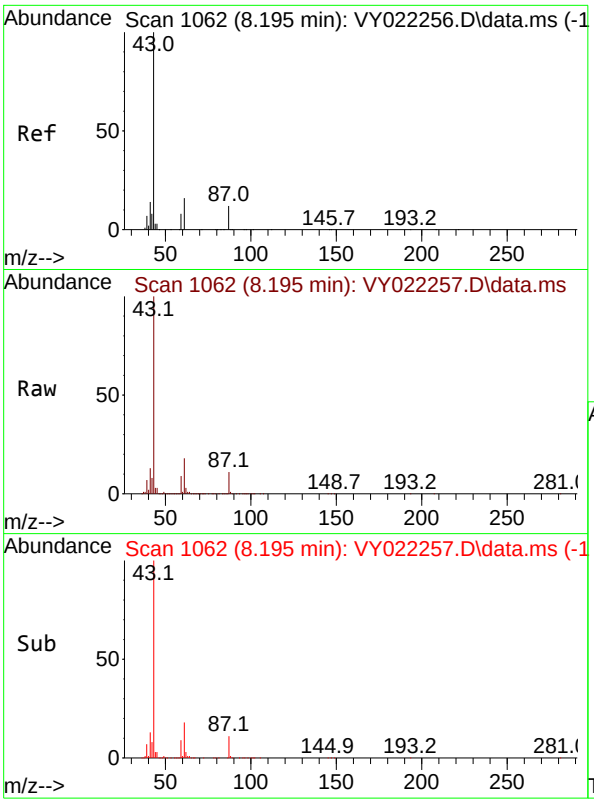


#42
1,2-Dichloroethane
Concen: 102.165 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 62 Resp: 356974

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4

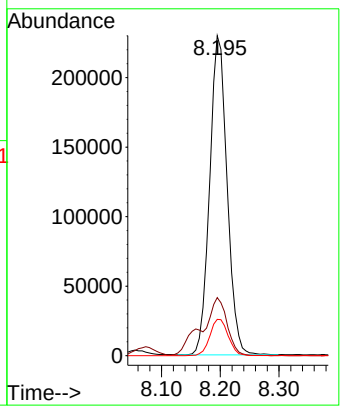




#43
Isopropyl Acetate
Concen: 103.517 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 47343

Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	12.0	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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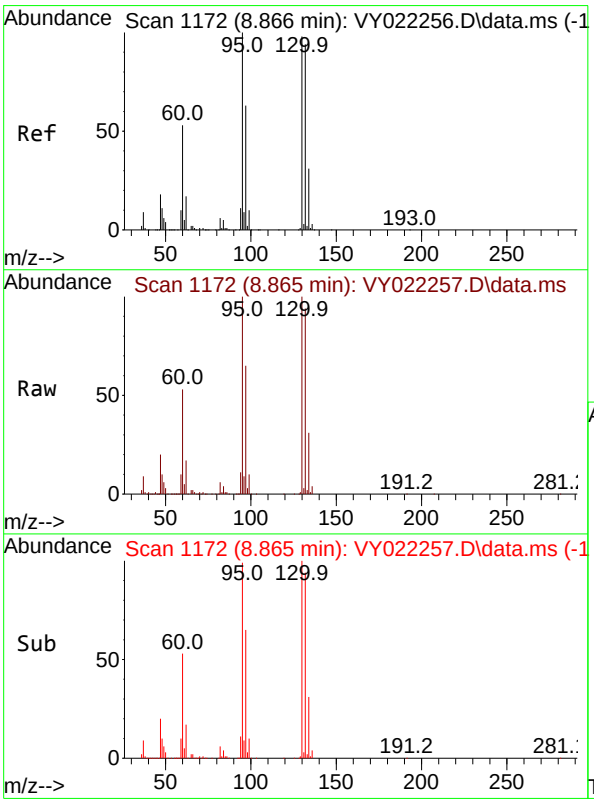
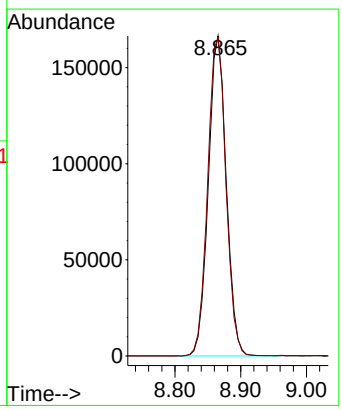
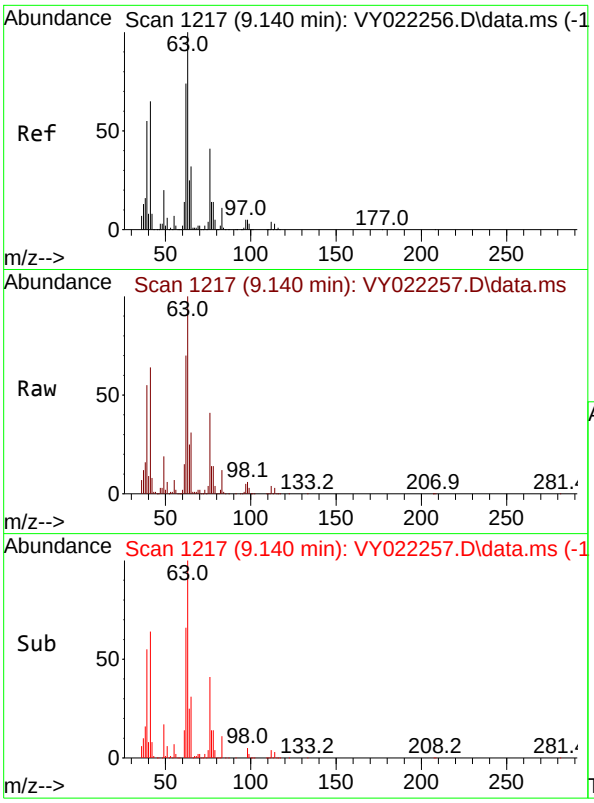


#44
Trichloroethene
Concen: 98.218 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:130 Resp: 315543

Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	204.8





#45
1,2-Dichloropropane
Concen: 100.858 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 31417

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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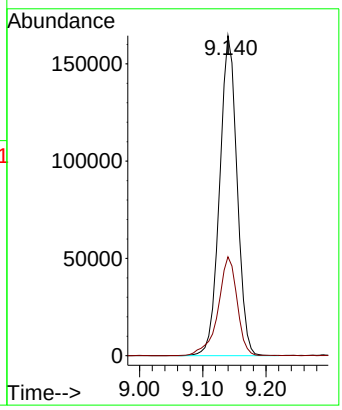
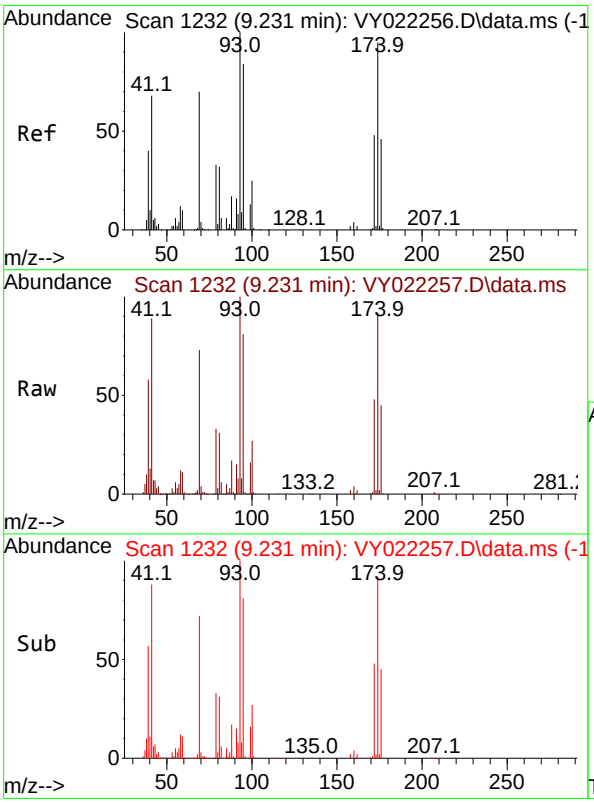
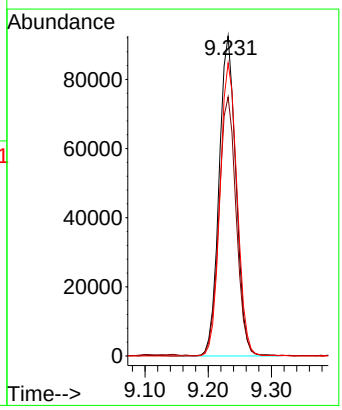


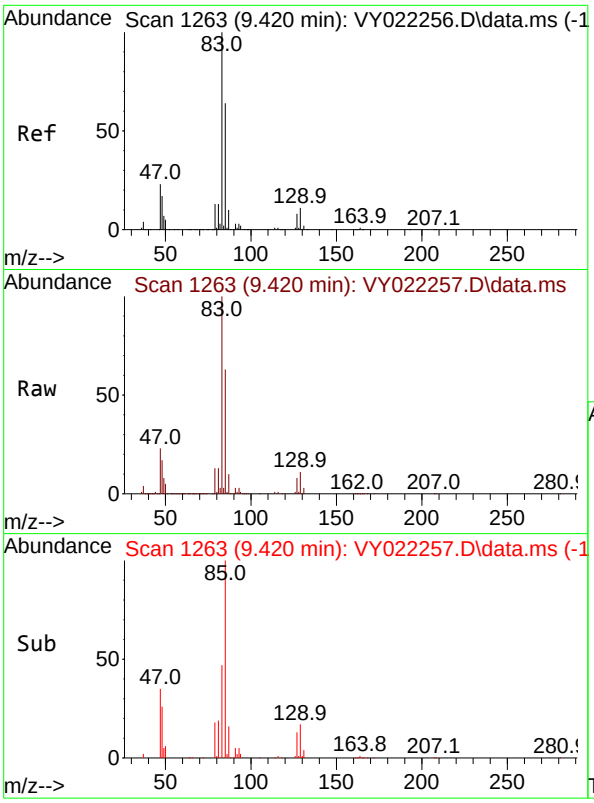


#46
Dibromomethane
Concen: 101.606 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 93 Resp: 170712

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.2	97.8
174	92.9	74.3	111.5

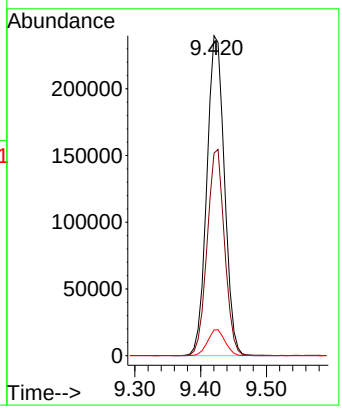




#47
Bromodichloromethane
Concen: 102.514 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 44682

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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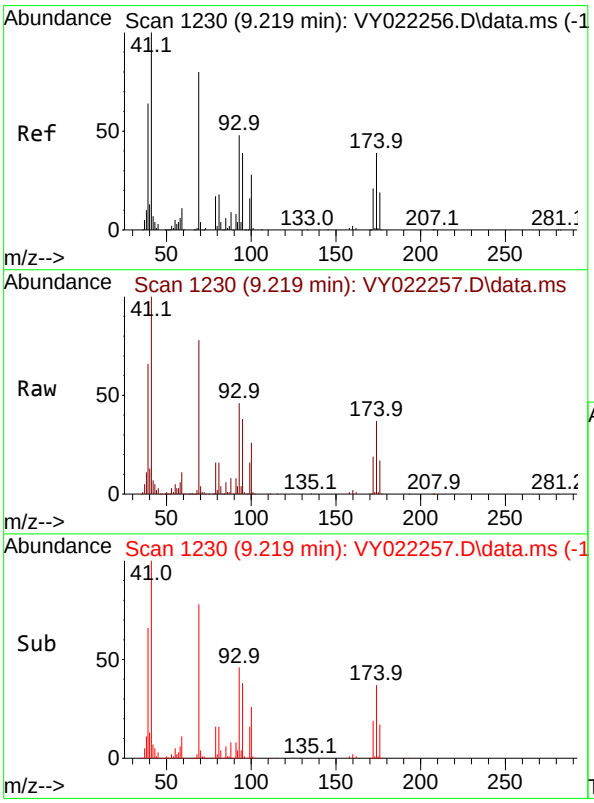
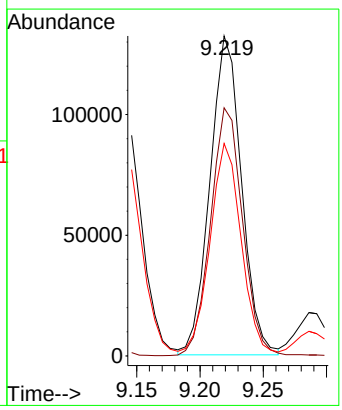
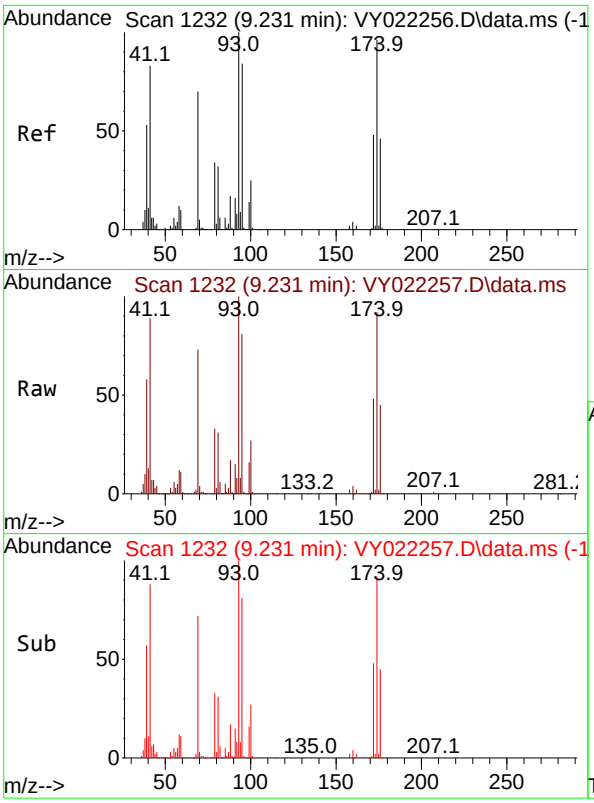


#48
Methyl methacrylate
Concen: 107.308 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 41 Resp: 229512

Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.5	95.3
39	63.5	50.8	76.2





#49
1,4-Dioxane
Concen: 1990.455 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 88 Resp: 3778

Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.5	42.7
58	75.0	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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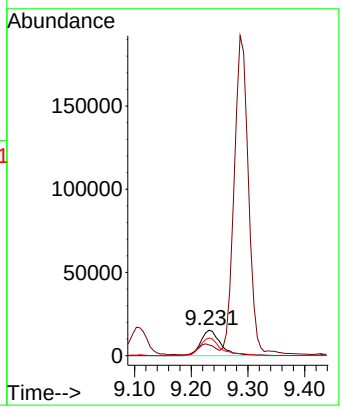
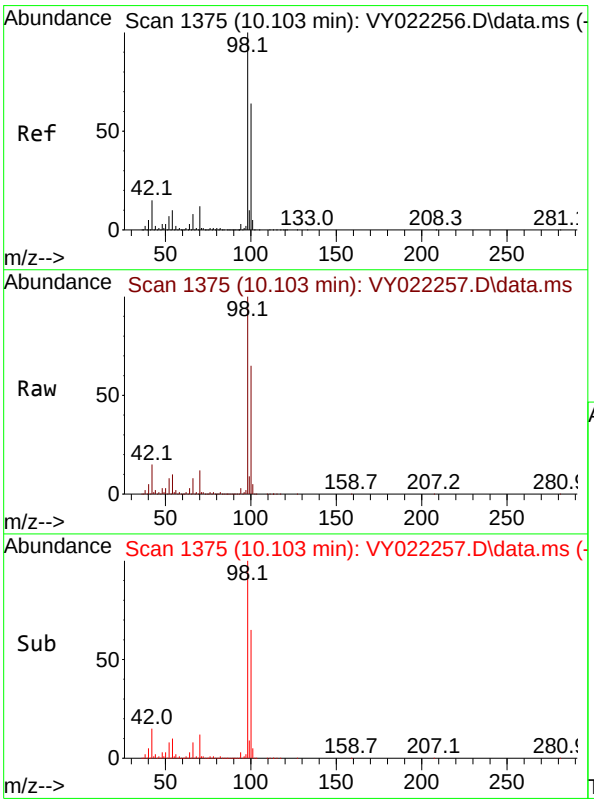
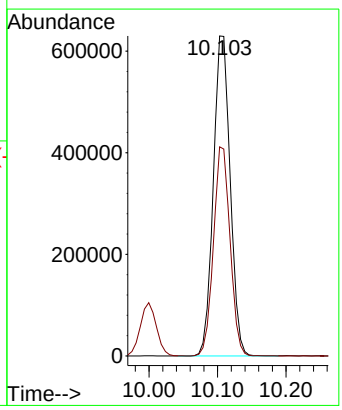


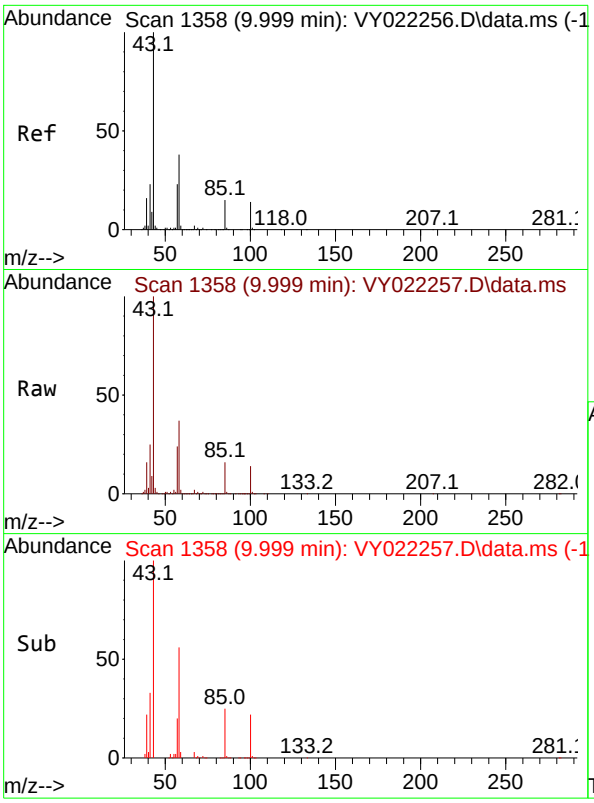


#50
Toluene-d8
Concen: 99.289 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 98 Resp: 1076035

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8

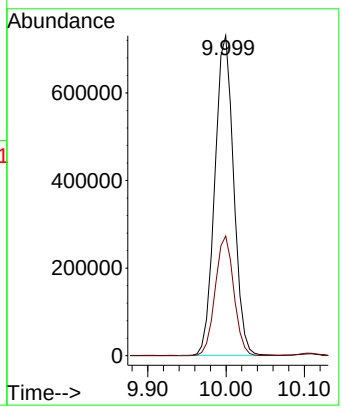




#51
4-Methyl-2-Pentanone
Concen: 543.068 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 121868

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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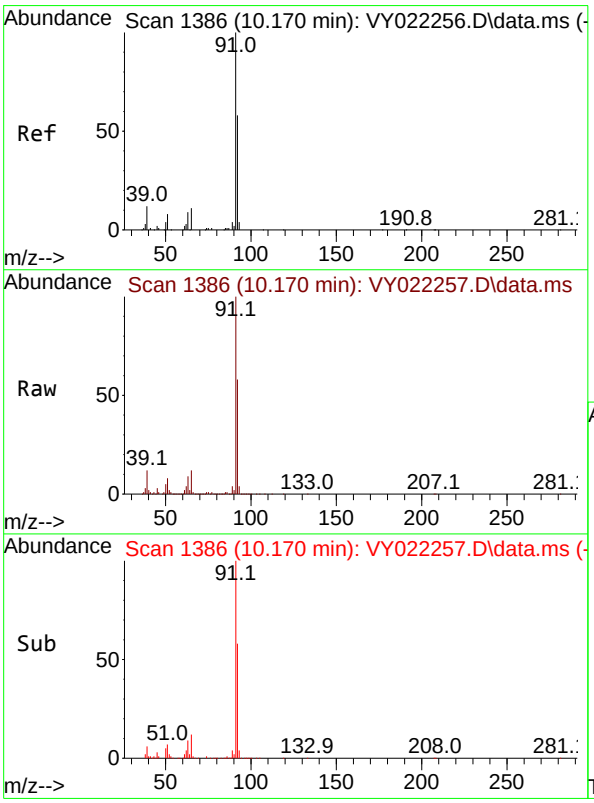
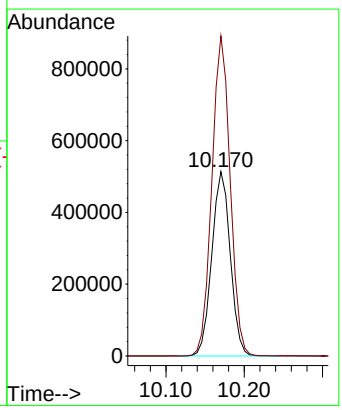
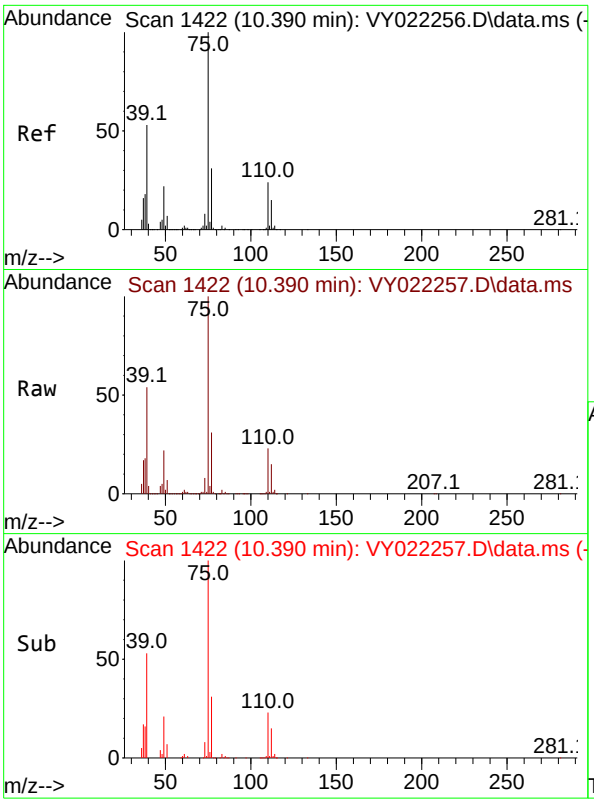


#52
Toluene
Concen: 102.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 92 Resp: 839400

Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.1	208.7

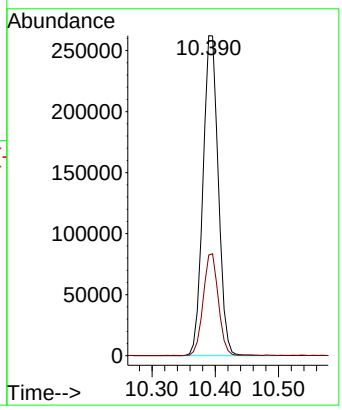




#53
t-1,3-Dichloropropene
Concen: 103.832 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 44167

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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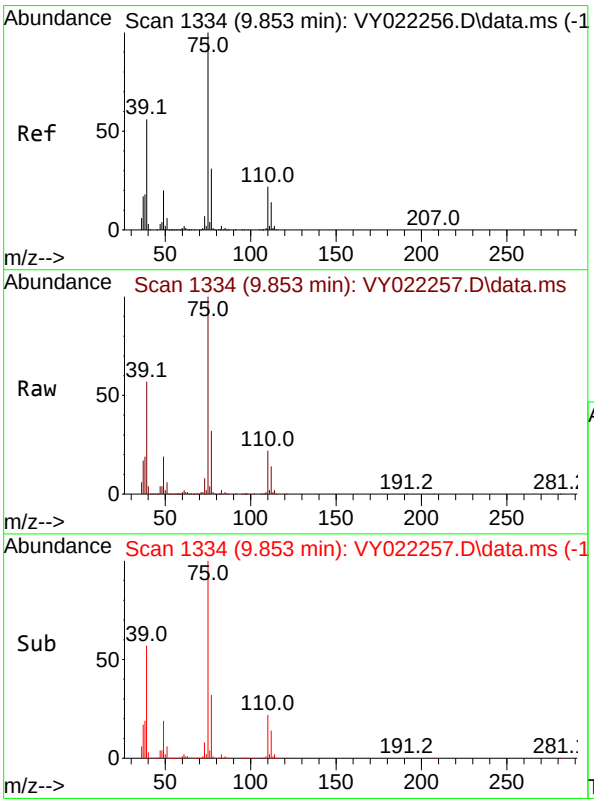
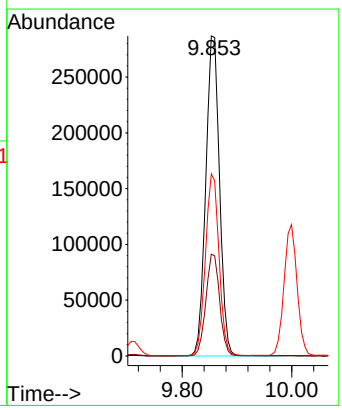
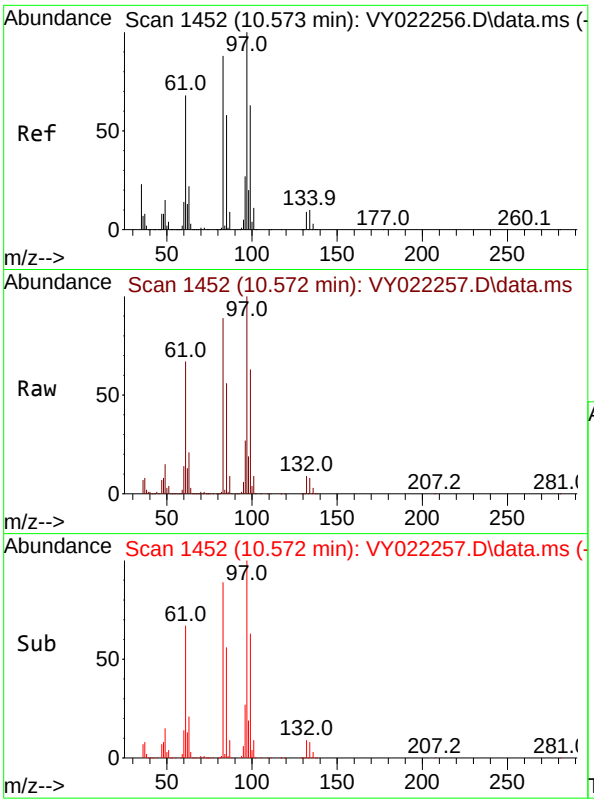


#54
cis-1,3-Dichloropropene
Concen: 102.190 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 498023

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	56.8	44.5	66.7

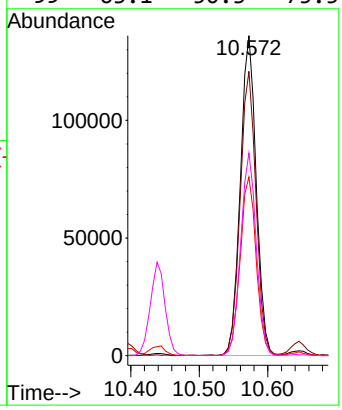




#55
1,1,2-Trichloroethane
Concen: 102.005 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 97 Resp: 21946

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.3	105.5
85	55.8	46.2	69.4
99	63.1	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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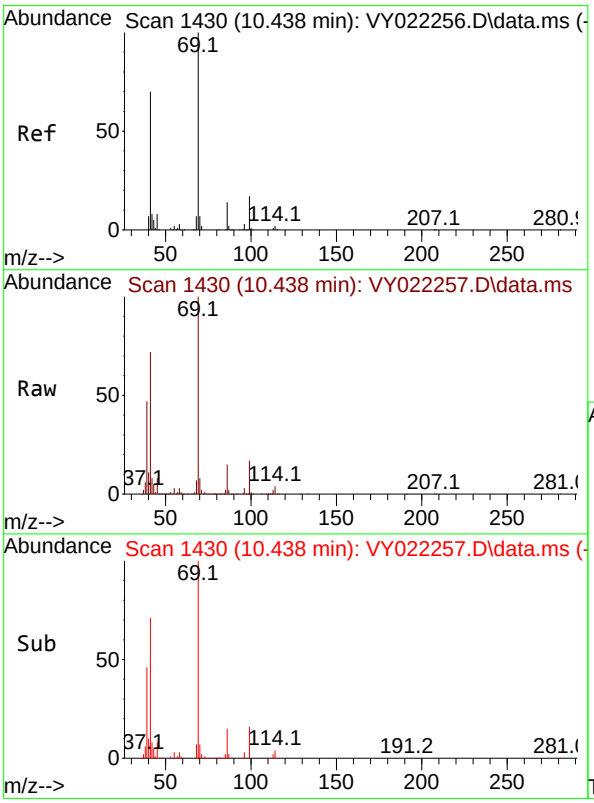
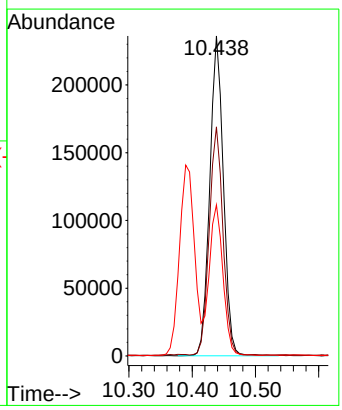
Supervised By :Semsettin Yesilyurt 05/16/2025

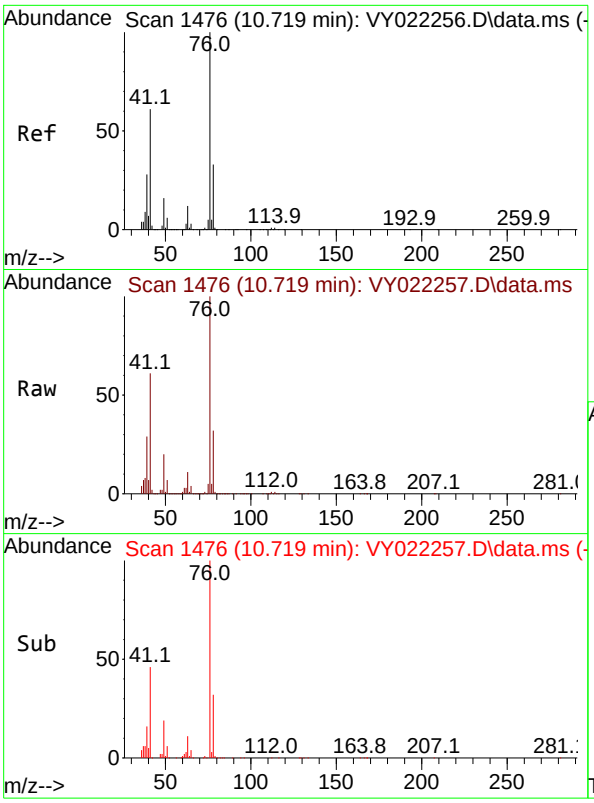


#56
Ethyl methacrylate
Concen: 105.335 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 69 Resp: 353013

Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.5	84.7
39	47.7	37.1	55.7





#57
1,3-Dichloropropane
Concen: 102.420 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 76 Resp: 39151

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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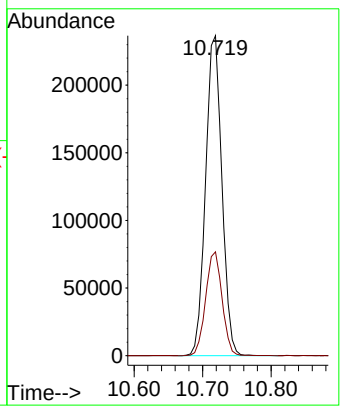
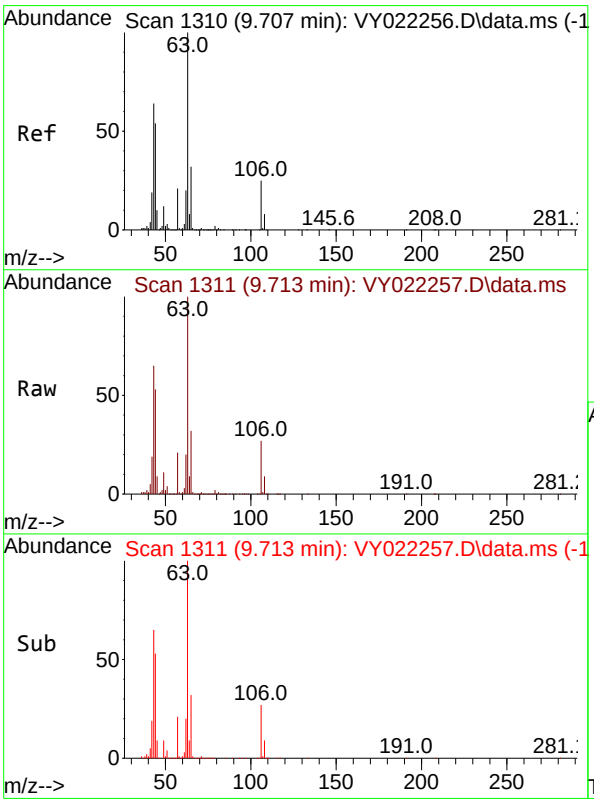
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

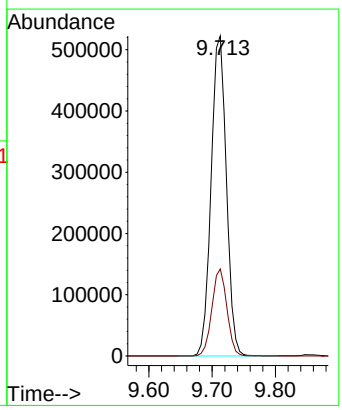


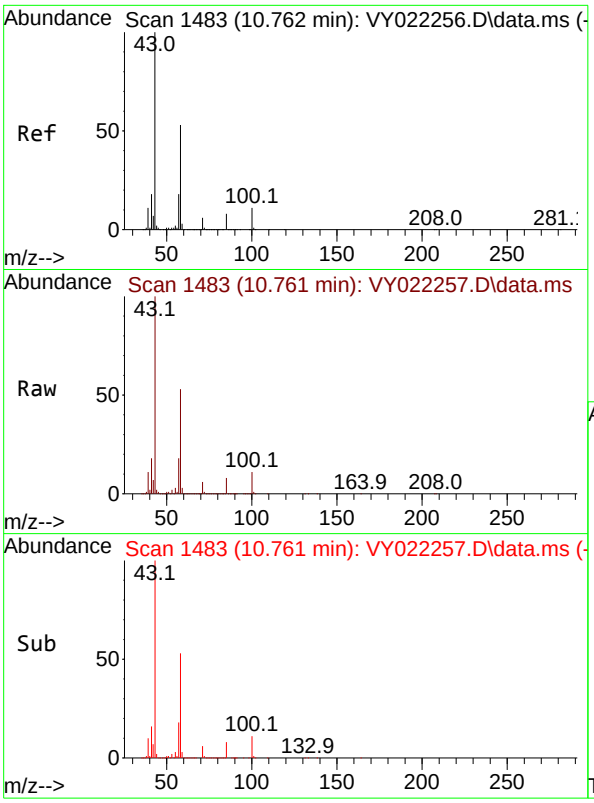


#58
2-Chloroethyl Vinyl ether
Concen: 580.295 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 63 Resp: 872907

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.0	31.4





#59
2-Hexanone
Concen: 537.872 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 80928

Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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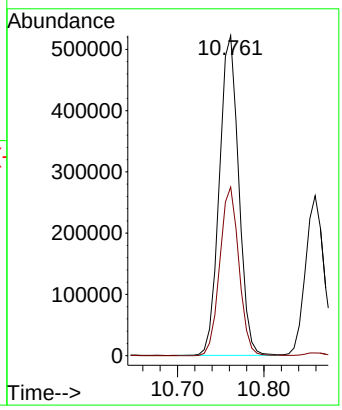
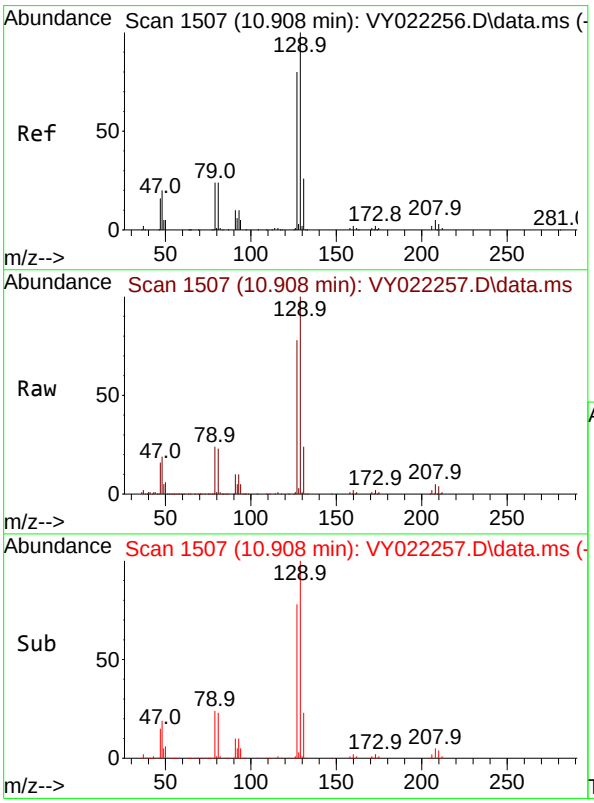
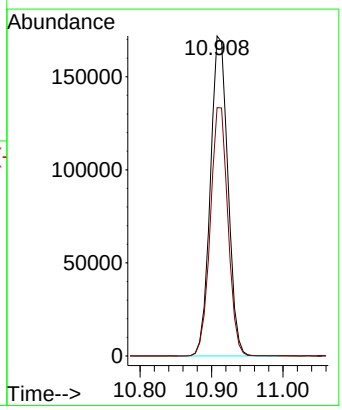


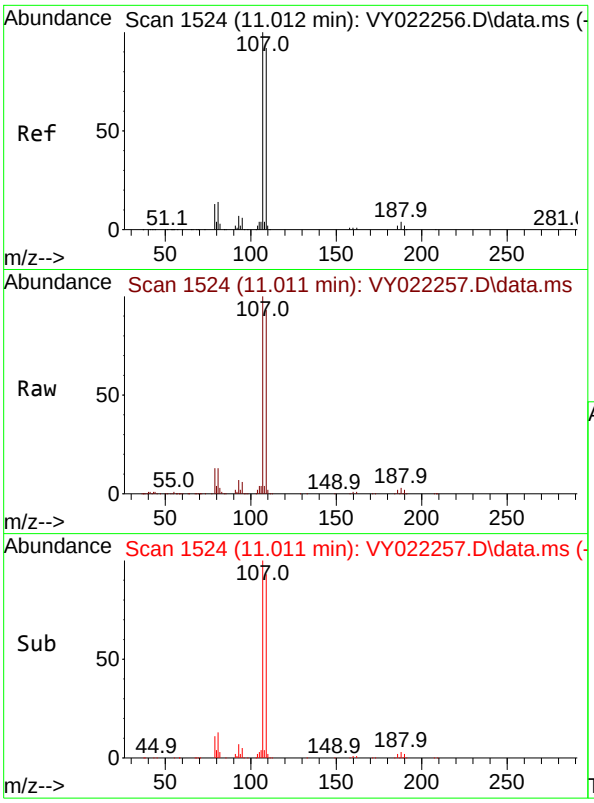


#60
Dibromochloromethane
Concen: 104.616 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:129 Resp: 292143

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7

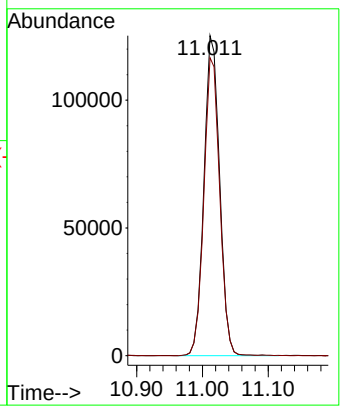




#61
1,2-Dibromoethane
Concen: 103.362 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:107 Resp: 20726

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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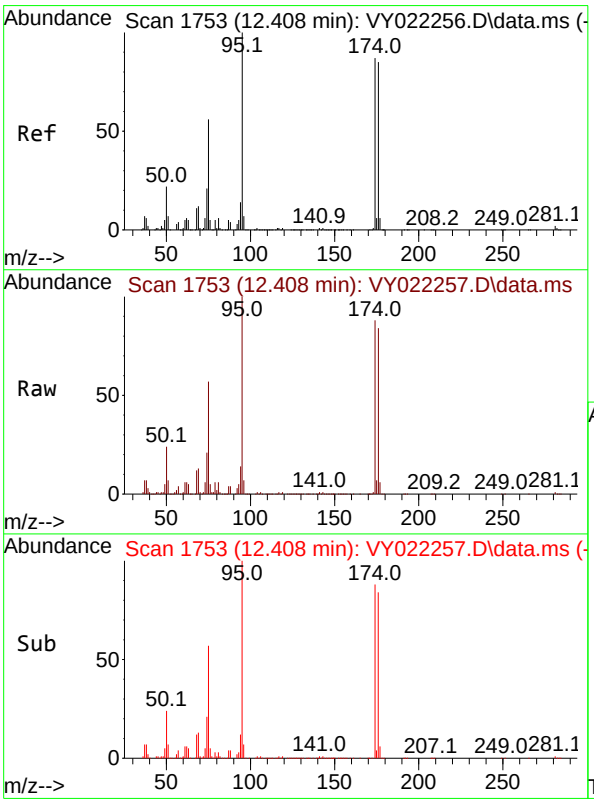
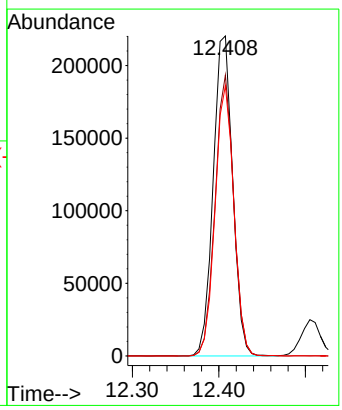
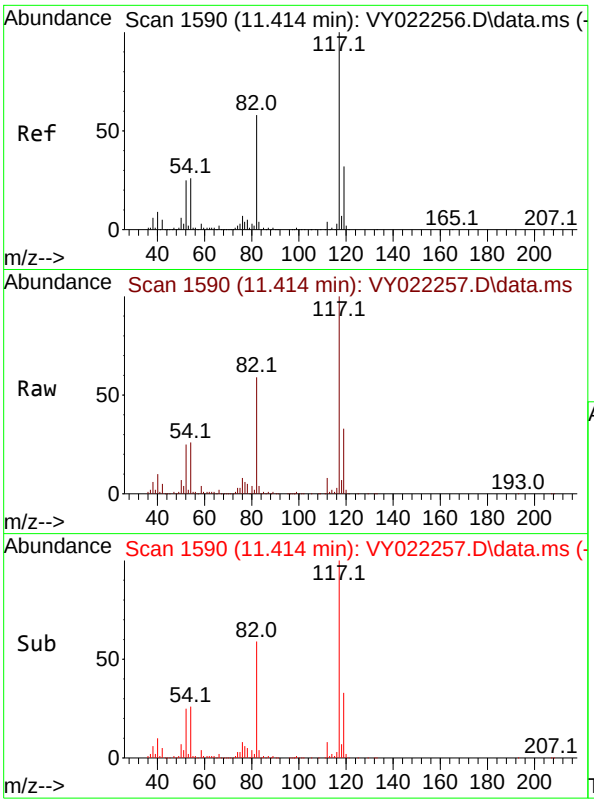


#62
4-Bromofluorobenzene
Concen: 99.968 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 95 Resp: 343397

Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	166.8
176	81.7	0.0	160.8

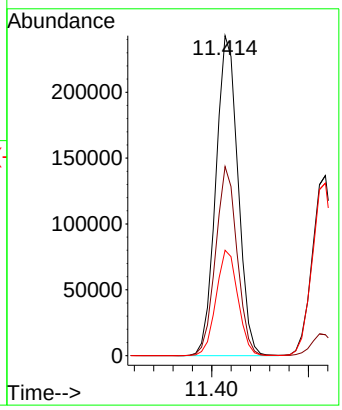




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 38534

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.6	70.0
119	33.0	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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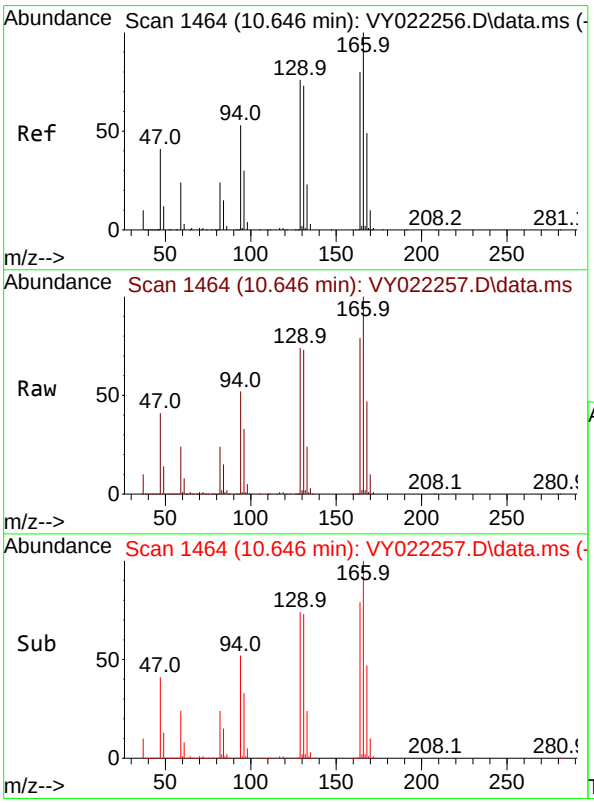
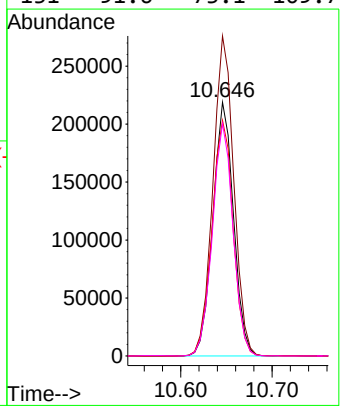
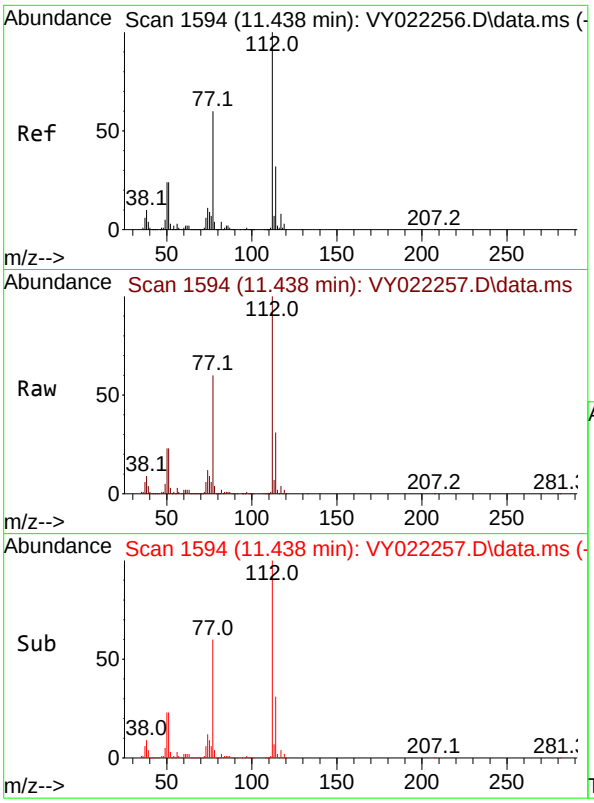


#64
Tetrachloroethene
Concen: 96.489 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:164 Resp: 343677

Ion	Ratio	Lower	Upper
164	100		
166	126.1	100.4	150.6
129	92.9	76.4	114.6
131	91.6	73.1	109.7

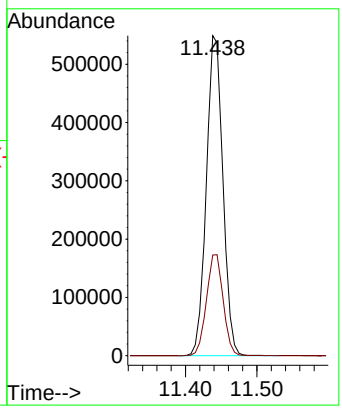




#65
Chlorobenzene
Concen: 101.346 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:112 Resp: 88108

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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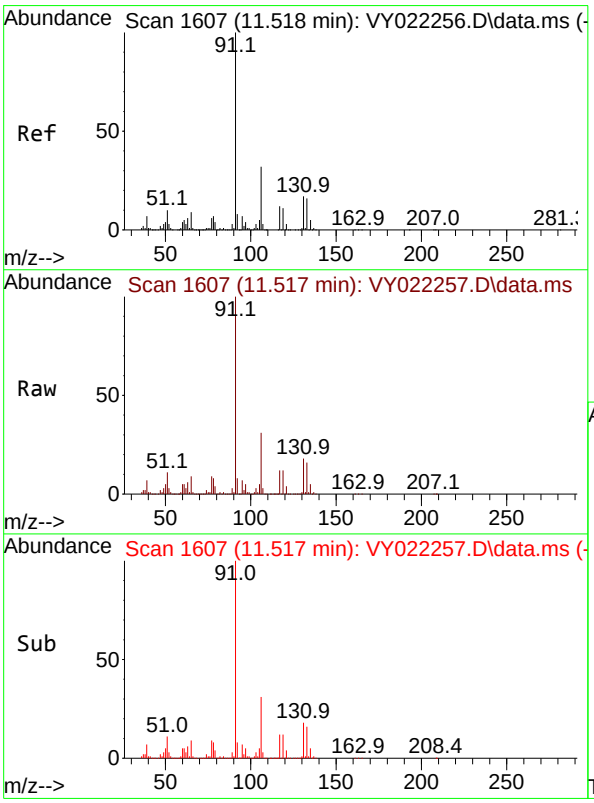
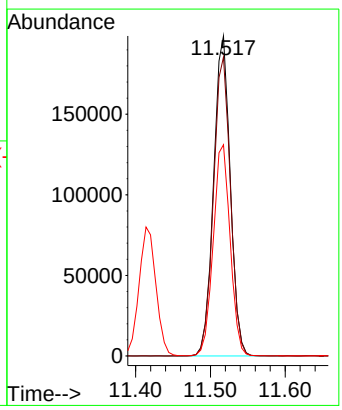
Supervised By :Semsettin Yesilyurt 05/16/2025

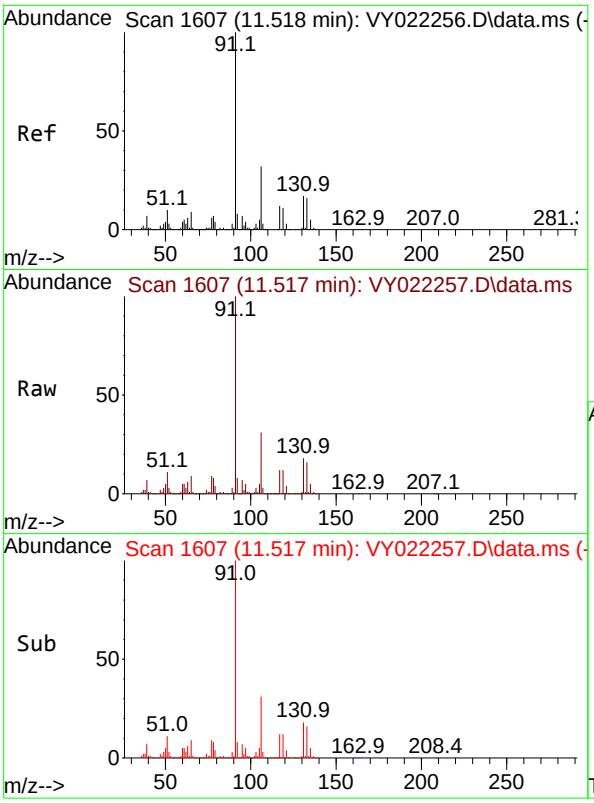


#66
1,1,1,2-Tetrachloroethane
Concen: 103.007 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:131 Resp: 307866

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	67.2	33.1	99.2

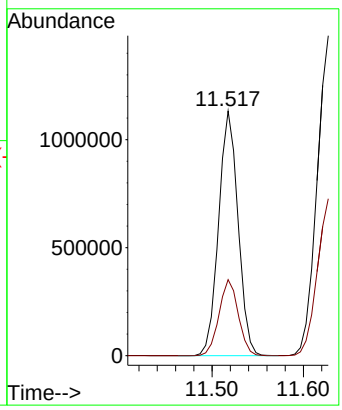




#67
Ethyl Benzene
Concen: 102.836 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 167435

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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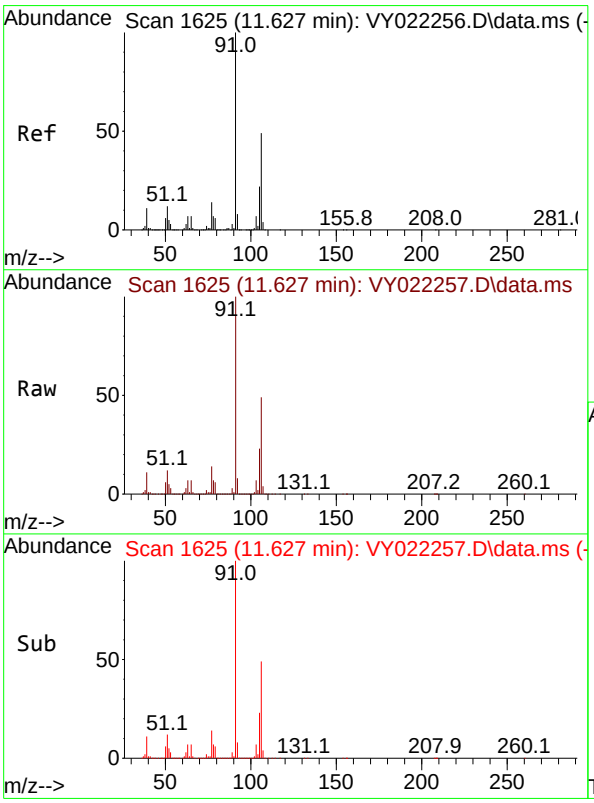
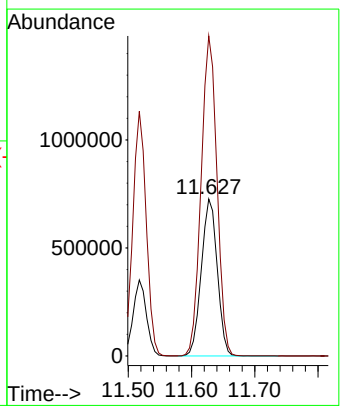
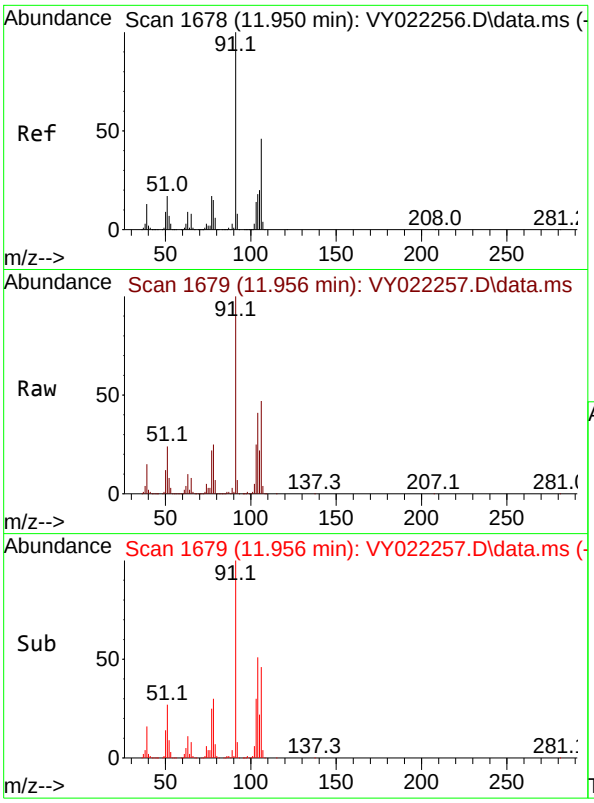


#68
m/p-Xylenes
Concen: 207.213 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:106 Resp: 1271299

Ion	Ratio	Lower	Upper
106	100		
91	203.2	163.0	244.4





#69
o-Xylene
Concen: 103.777 ug/l
RT: 11.956 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:106 Resp: 60239(

Ion	Ratio	Lower	Upper
106	100		
91	214.7	108.3	324.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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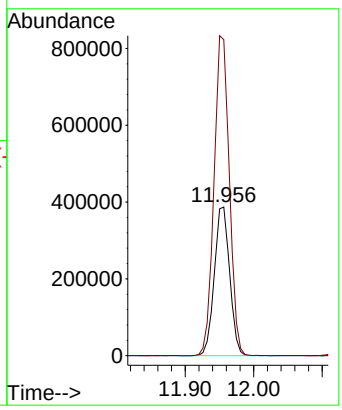
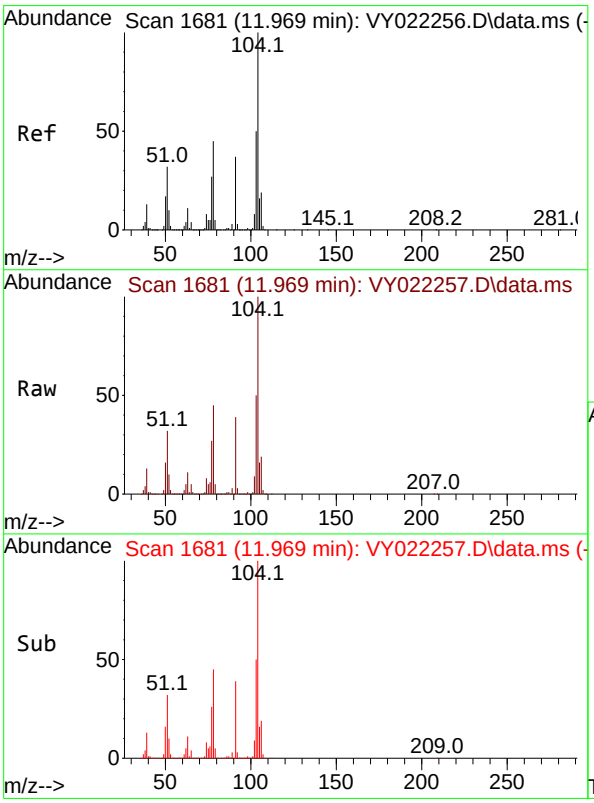
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

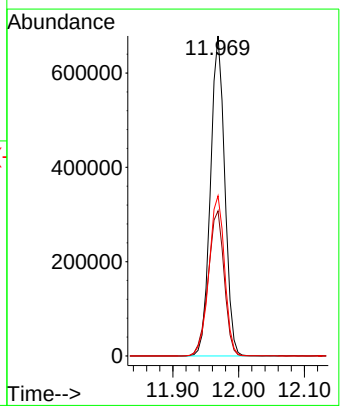


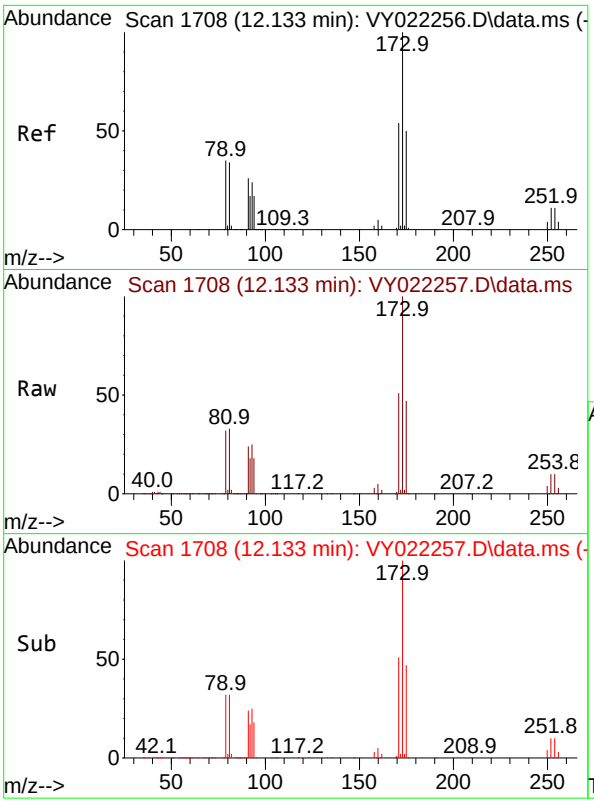


#70
Styrene
Concen: 105.038 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:104 Resp: 1028498

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.9	61.3
103	54.7	43.7	65.5

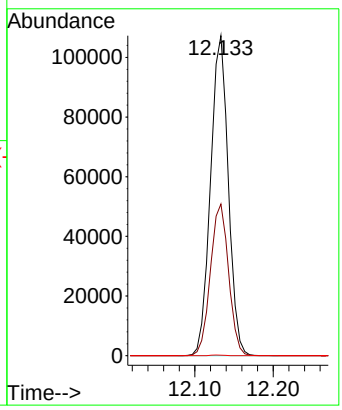




#71
Bromoform
Concen: 104.561 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:173 Resp: 16867

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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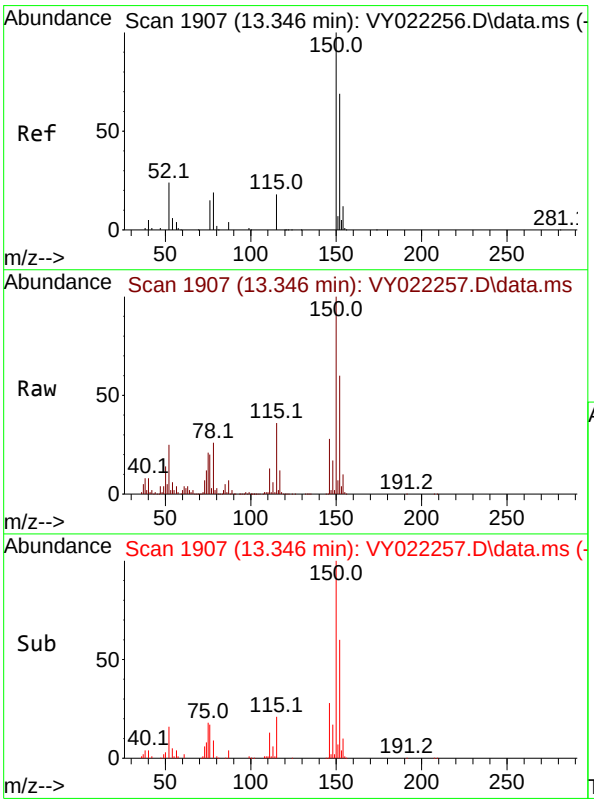
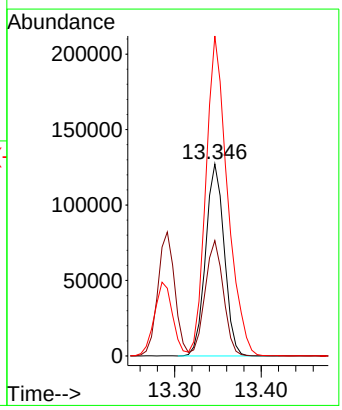
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

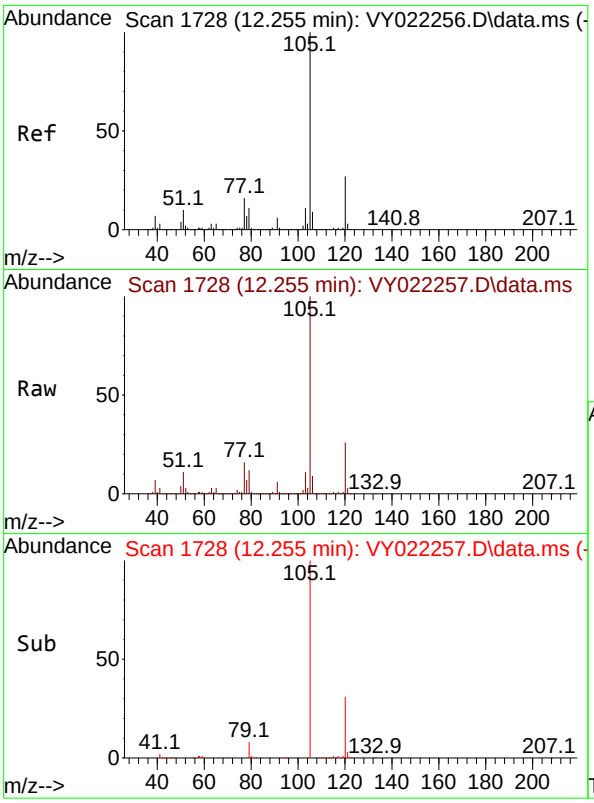


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:152 Resp: 189780

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	193.1	0.0	353.8

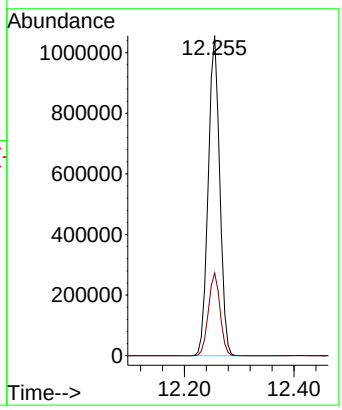




#73
Isopropylbenzene
Concen: 97.241 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 152885

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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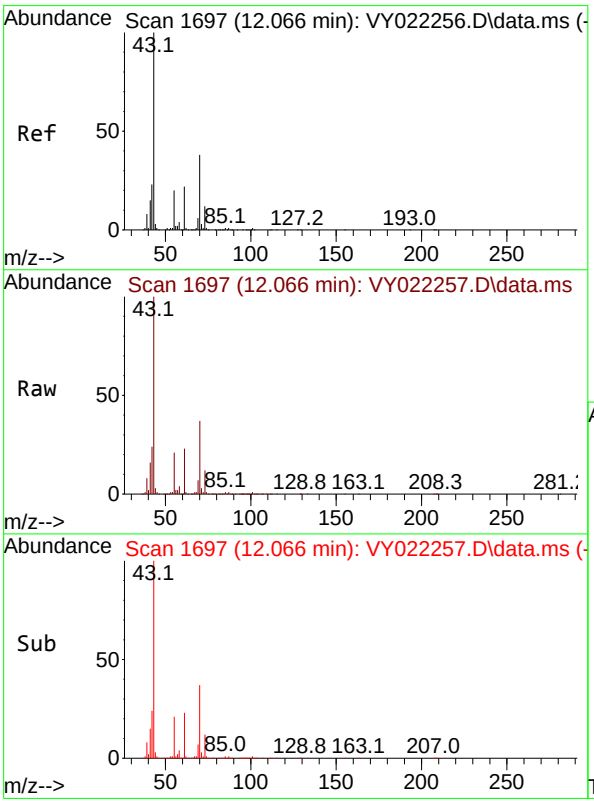
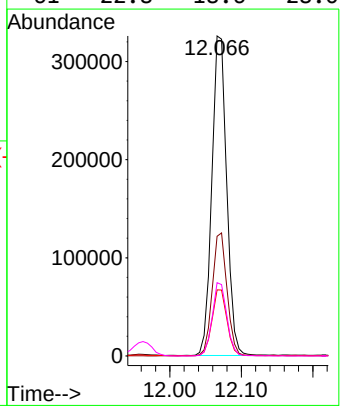
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

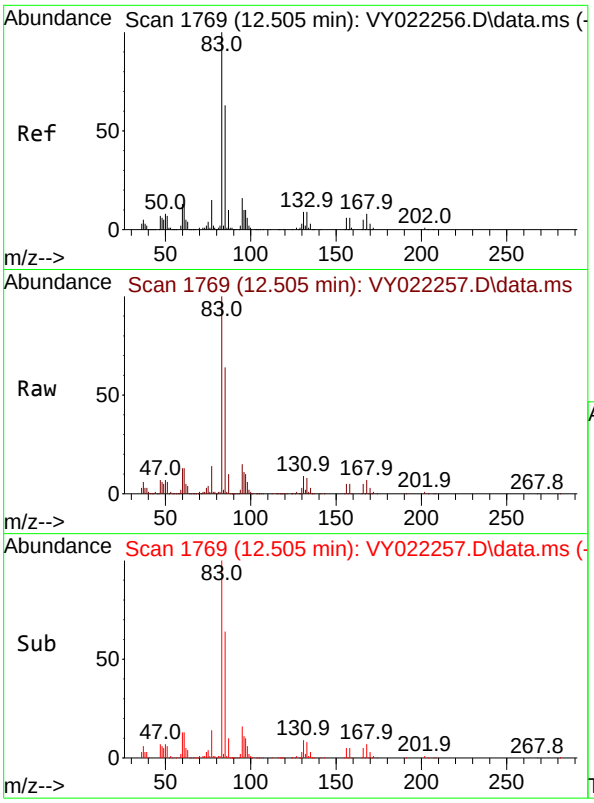


#74
N-amyl acetate
Concen: 104.235 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 43 Resp: 468707

Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.4	47.0
55	20.8	17.0	25.6
61	22.8	18.6	28.0

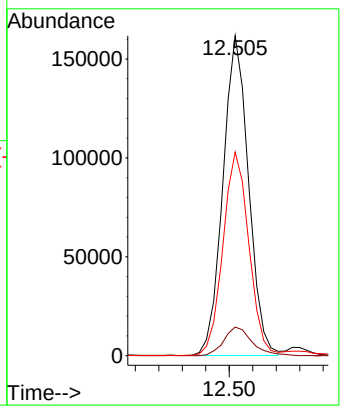




#75
1,1,2,2-Tetrachloroethane
Concen: 101.255 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 83 Resp: 24483

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	64.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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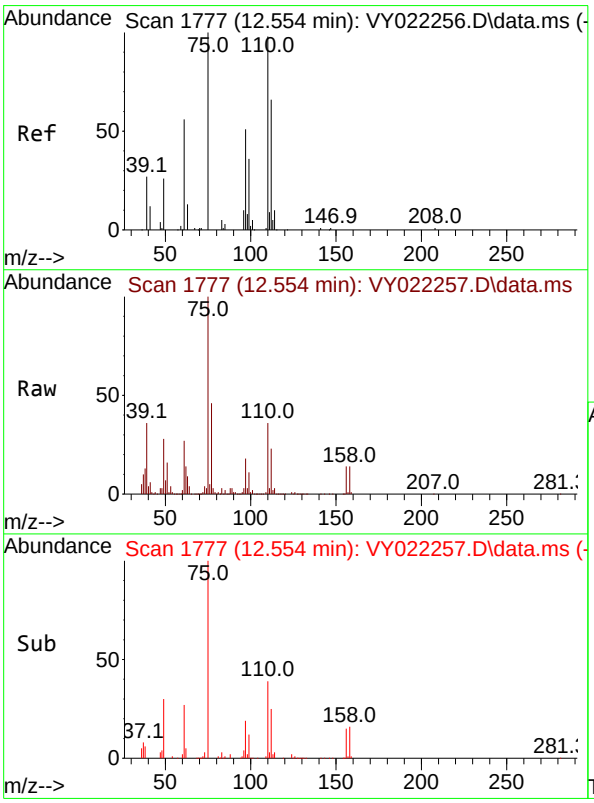
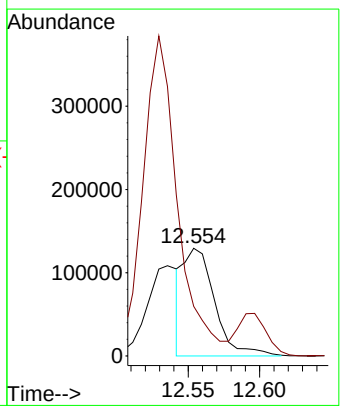
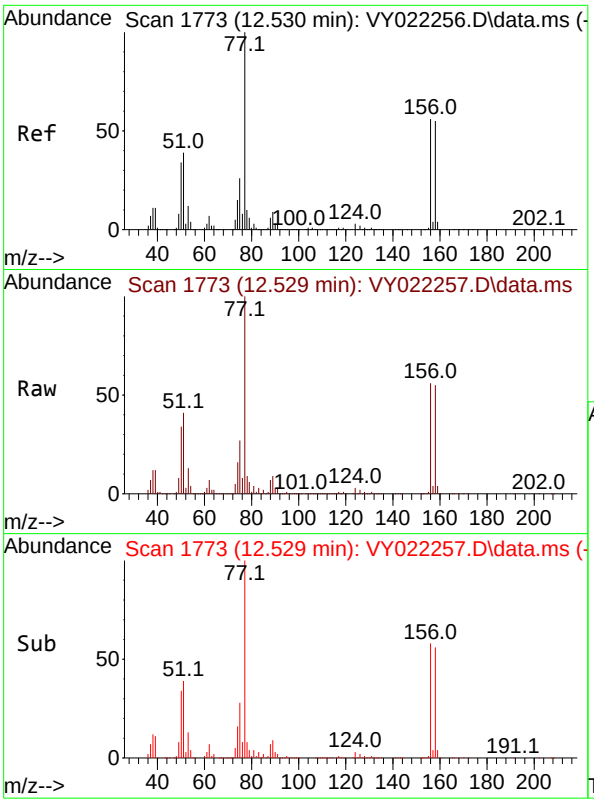


#76
1,2,3-Trichloropropane
Concen: 59.078 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 197600

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

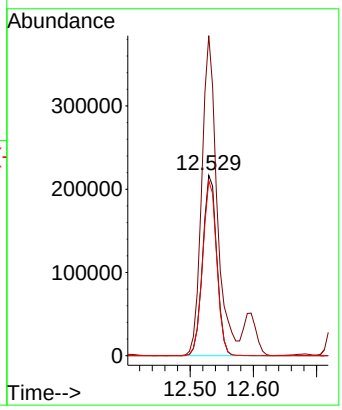




#77
Bromobenzene
Concen: 100.456 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:156 Resp: 33732

Ion	Ratio	Lower	Upper
156	100		
77	190.3	94.5	283.6
158	96.8	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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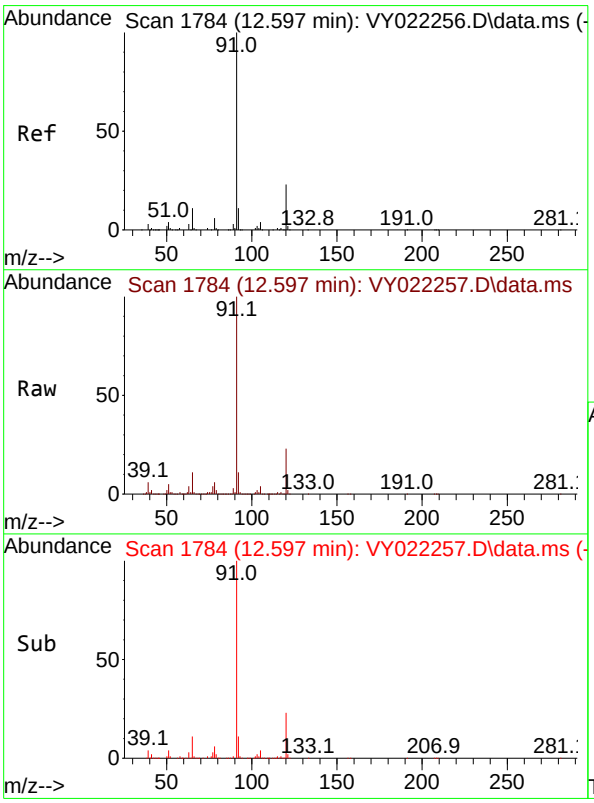
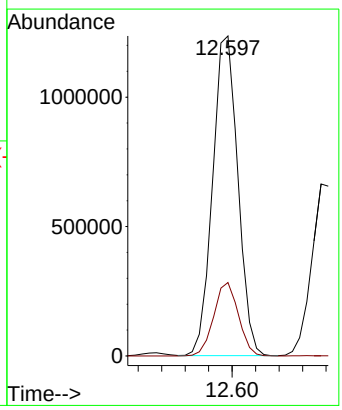
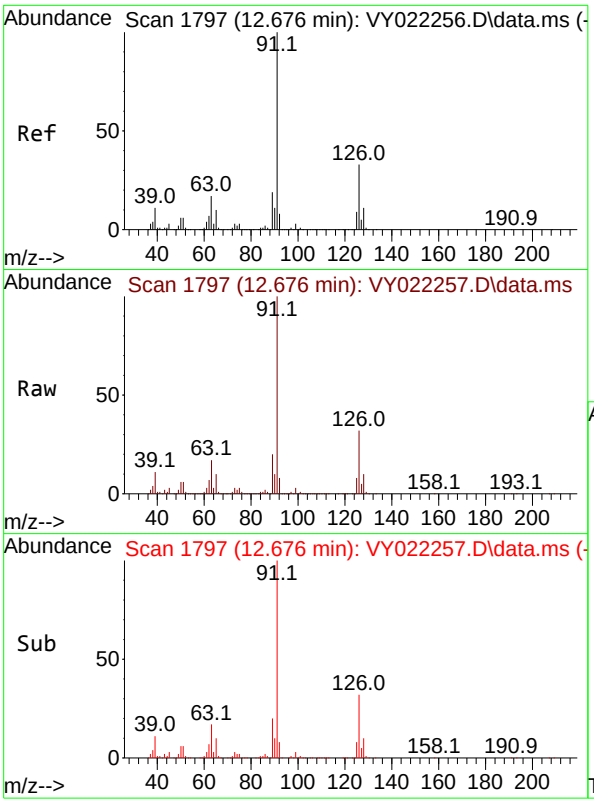


#78
n-propylbenzene
Concen: 97.365 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1846449

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3

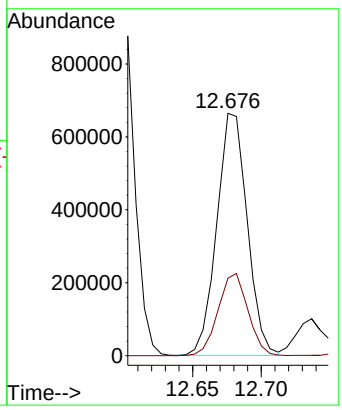




#79
2-Chlorotoluene
Concen: 98.488 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 102640

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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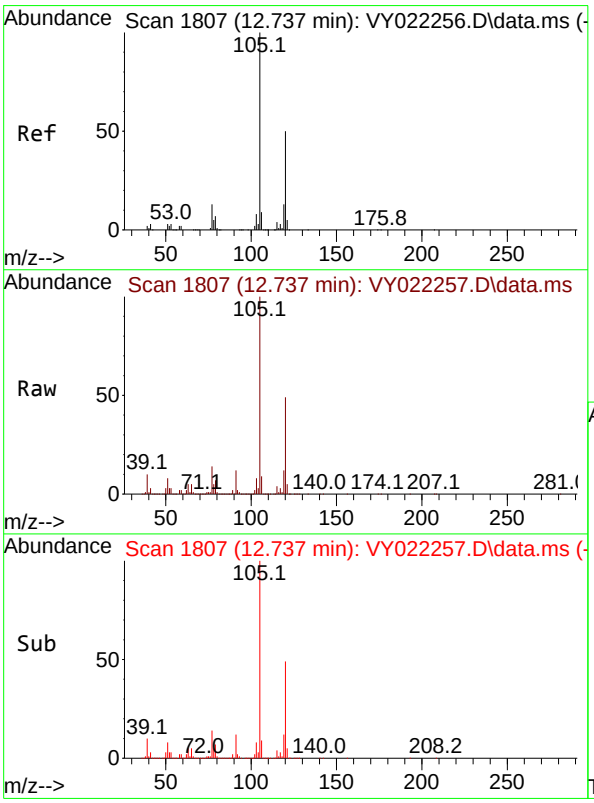
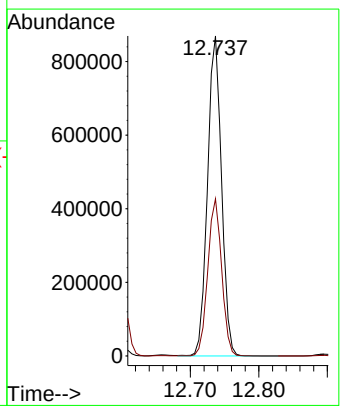
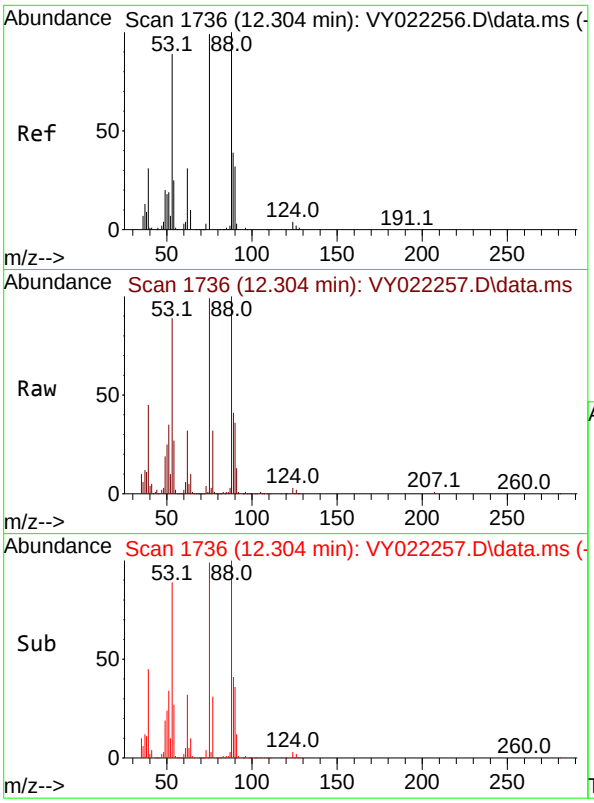


#80
1,3,5-Trimethylbenzene
Concen: 97.216 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1233838

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 98.251 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 9325

Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.8	113.8
89	43.5	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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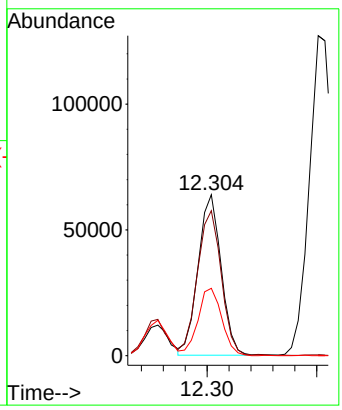
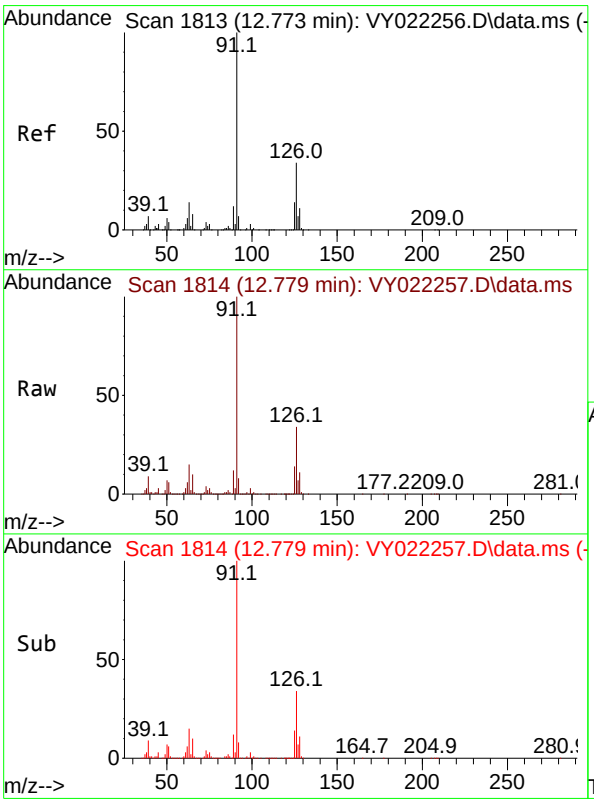
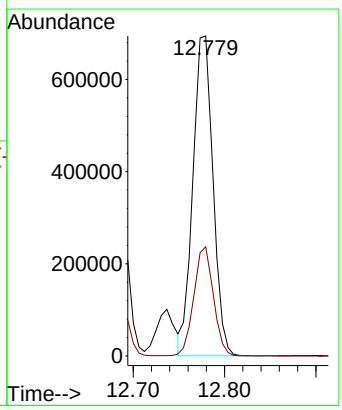


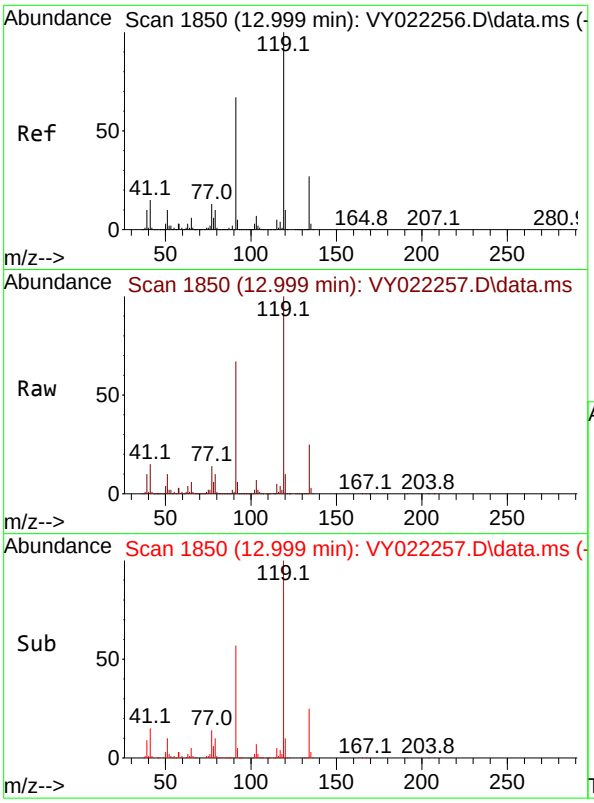


#82
4-Chlorotoluene
Concen: 99.052 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 1061772

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

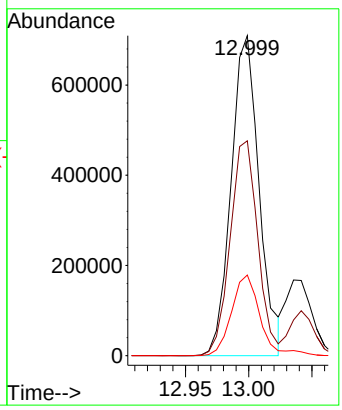




#83
tert-Butylbenzene
Concen: 96.859 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:119 Resp: 109261

Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.8	98.3
134	25.8	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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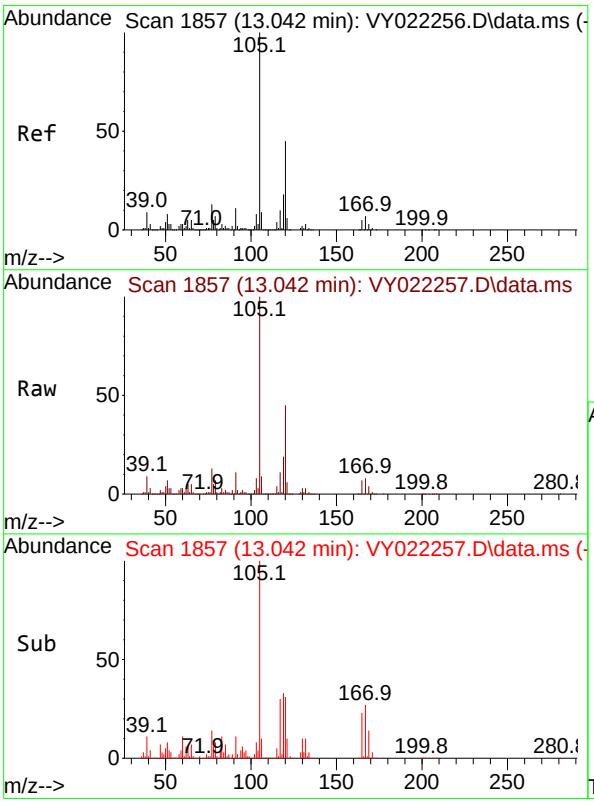
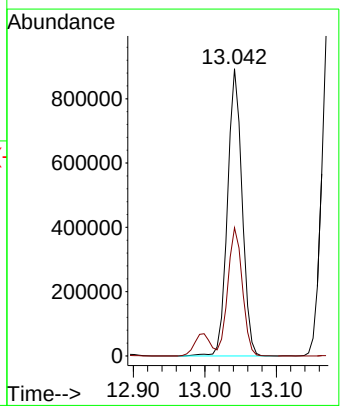
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

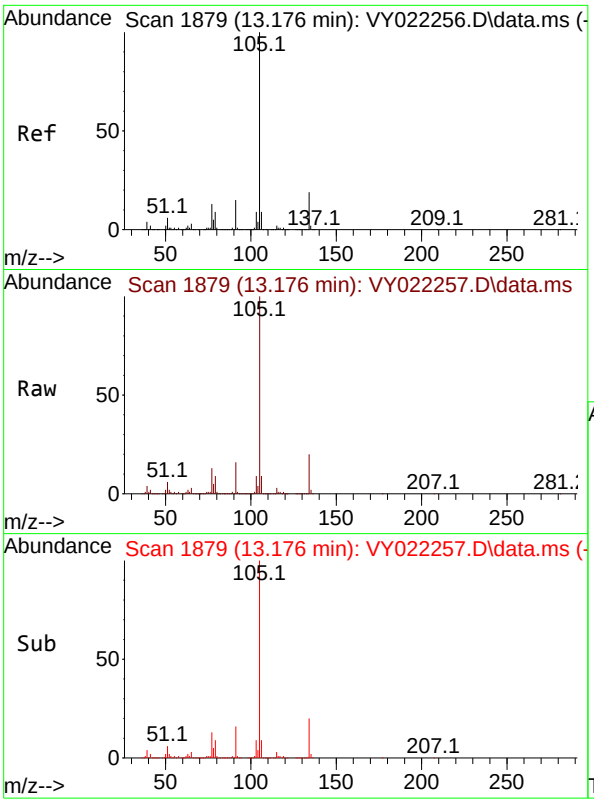


#84
1,2,4-Trimethylbenzene
Concen: 100.297 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 1263612

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.9

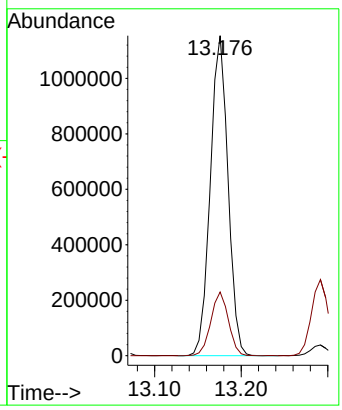




#85
sec-Butylbenzene
Concen: 97.623 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:105 Resp: 163472

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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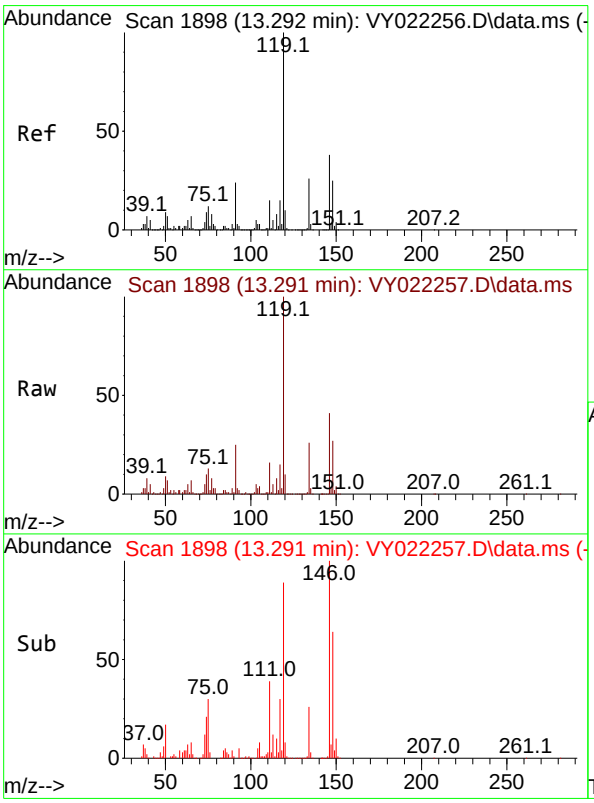
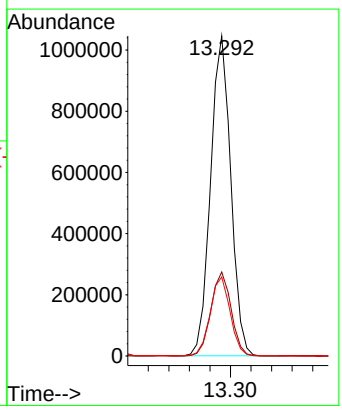
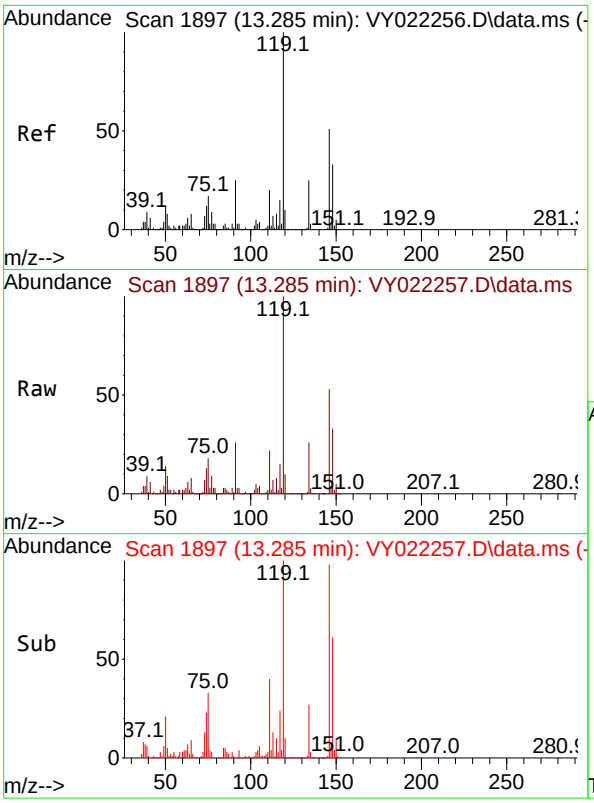


#86
p-Isopropyltoluene
Concen: 101.161 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:119 Resp: 1424684

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.4	12.1	36.3

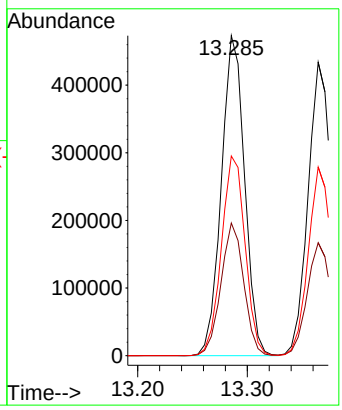




#87
1,3-Dichlorobenzene
Concen: 101.803 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 69786

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.6	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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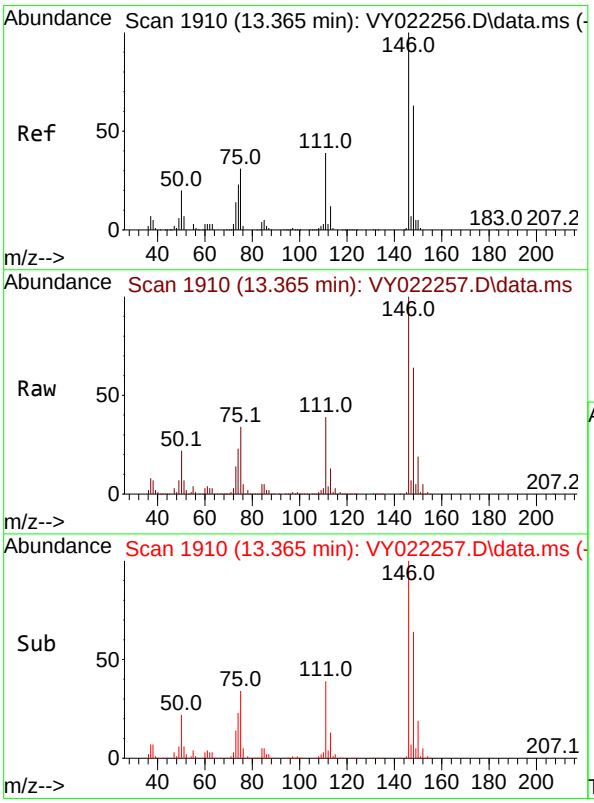
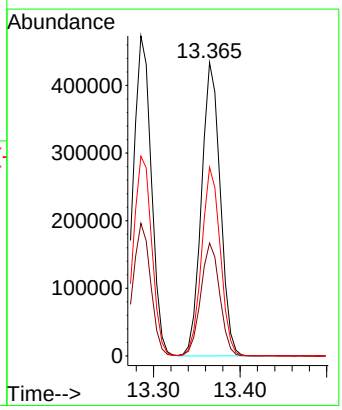
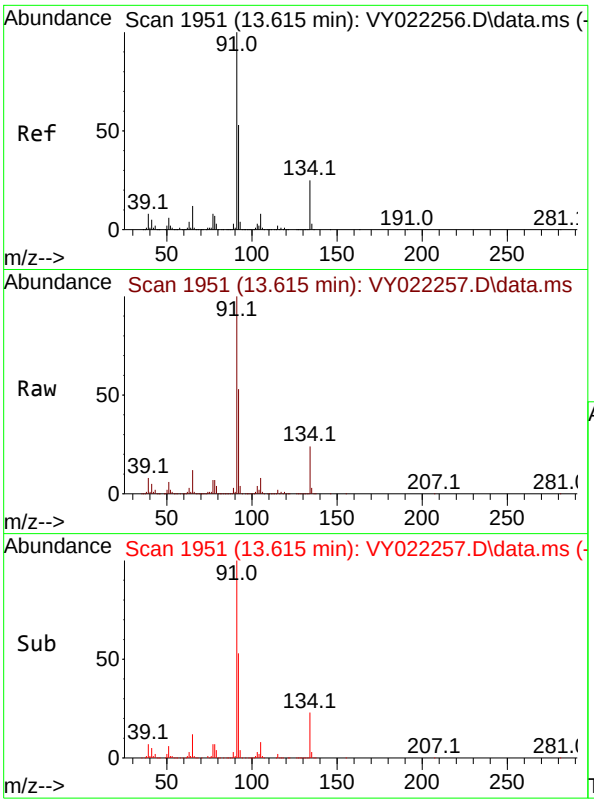


#88
1,4-Dichlorobenzene
Concen: 99.199 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 654104

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.7	32.1	96.5

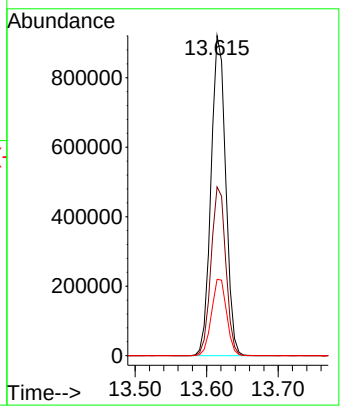




#89
n-Butylbenzene
Concen: 98.327 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 91 Resp: 131006

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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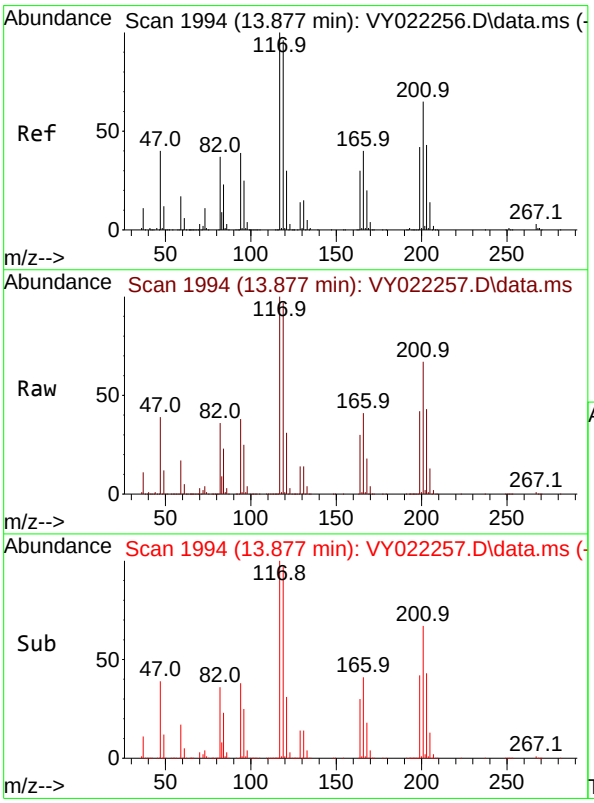
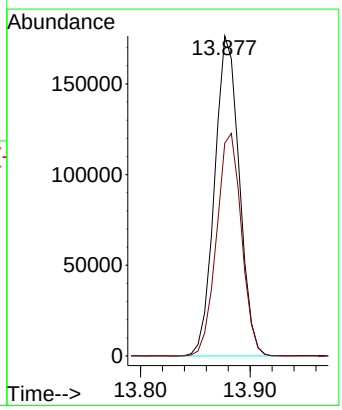
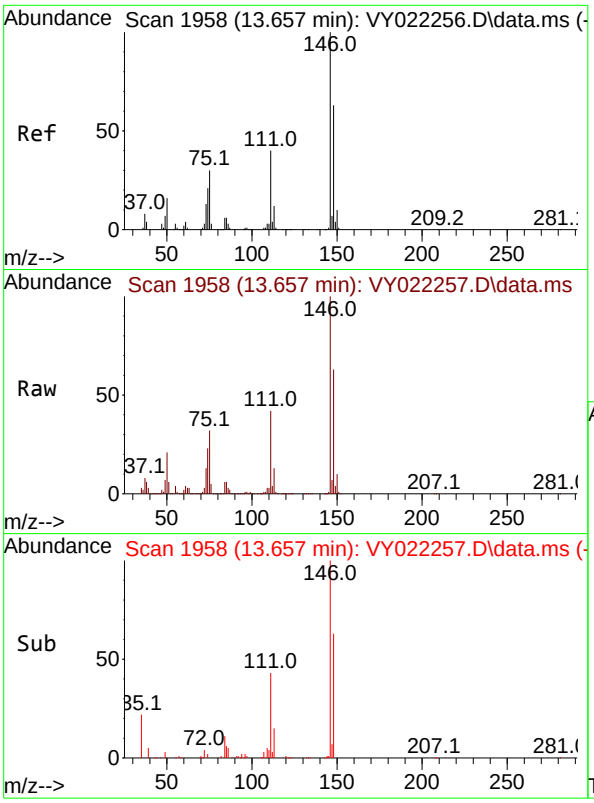


#90
Hexachloroethane
Concen: 96.961 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:117 Resp: 275652

Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6

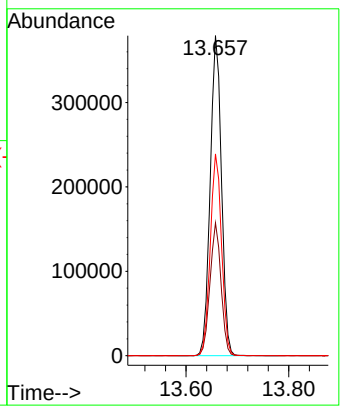




#91
1,2-Dichlorobenzene
Concen: 100.192 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:146 Resp: 57691

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.2	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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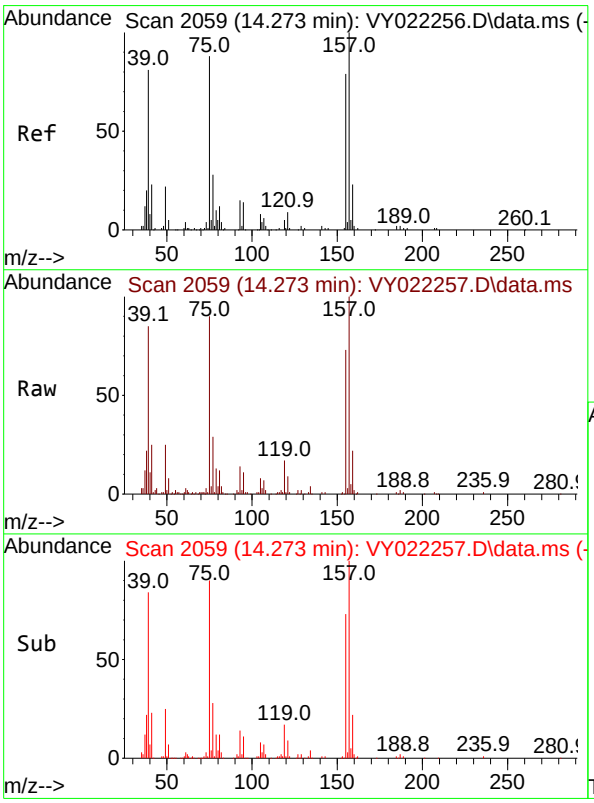
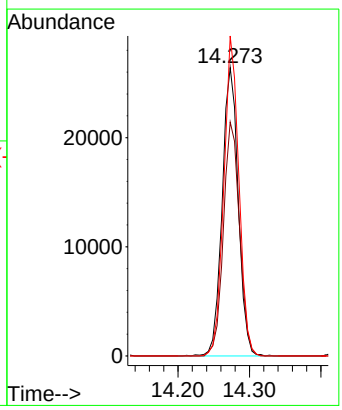
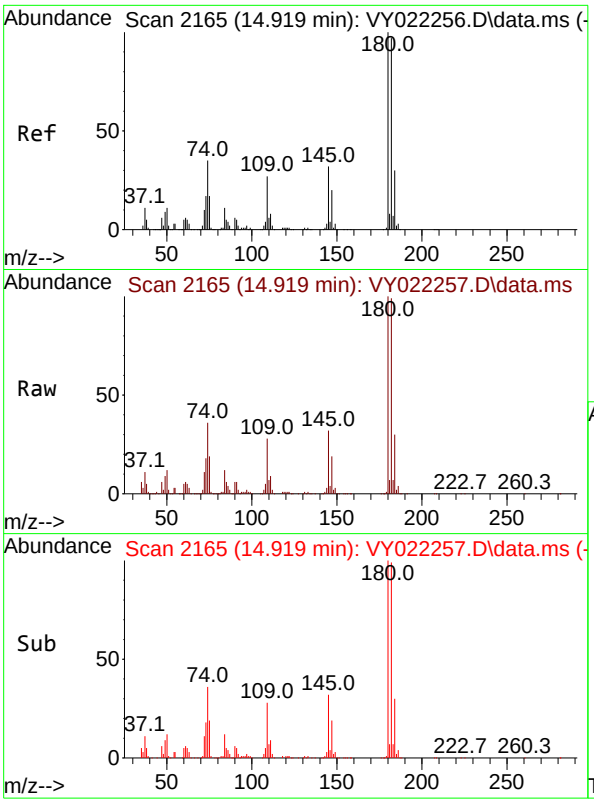


#92
1,2-Dibromo-3-Chloropropane
Concen: 105.859 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion: 75 Resp: 41275

Ion	Ratio	Lower	Upper
75	100		
155	81.3	43.4	130.1
157	104.0	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 103.107 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

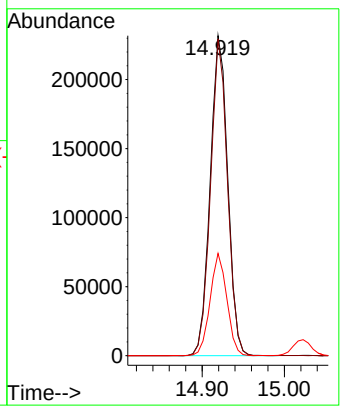
Tgt Ion:180 Resp: 34293

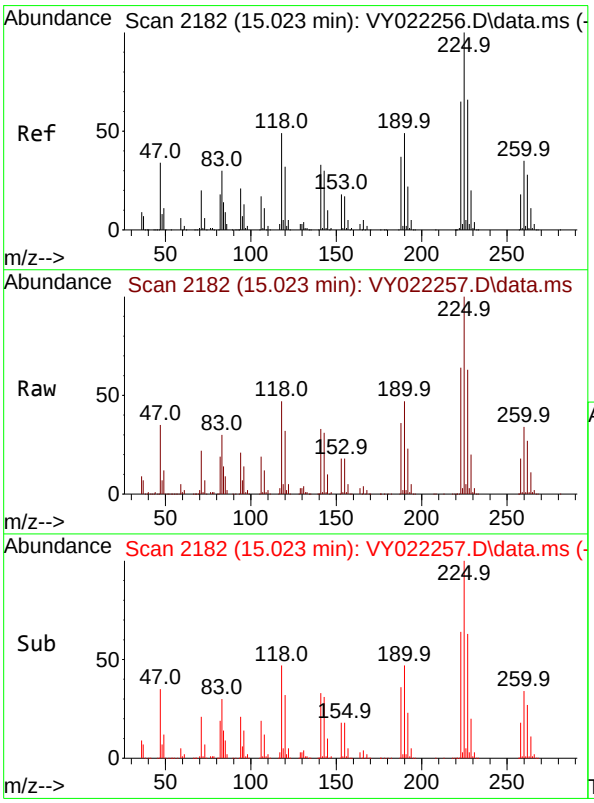
Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	30.7	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

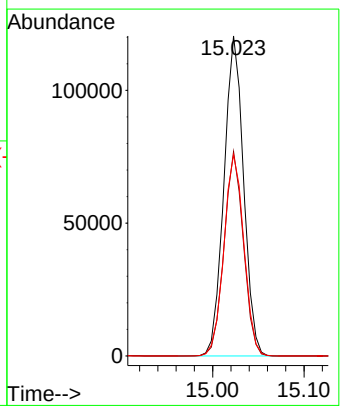


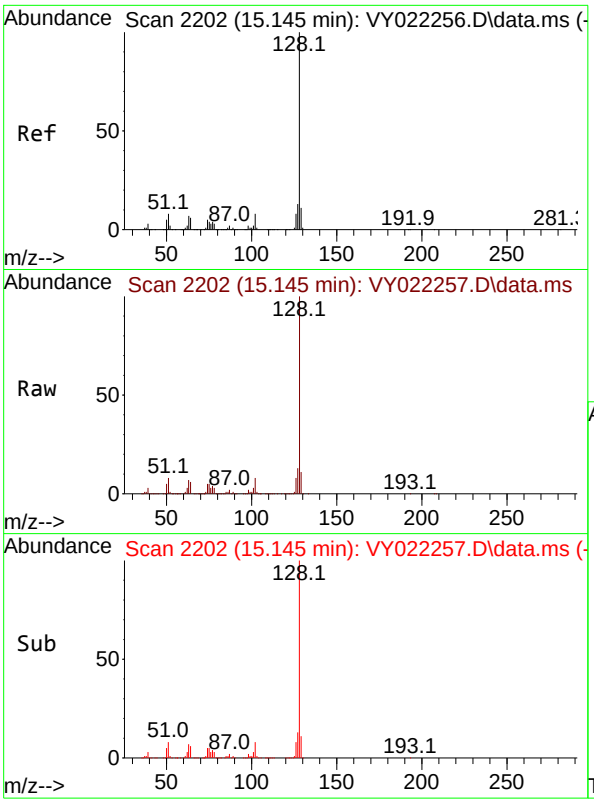


#94
Hexachlorobutadiene
Concen: 97.075 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:225 Resp: 180060

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.5	94.5
227	64.1	32.1	96.3

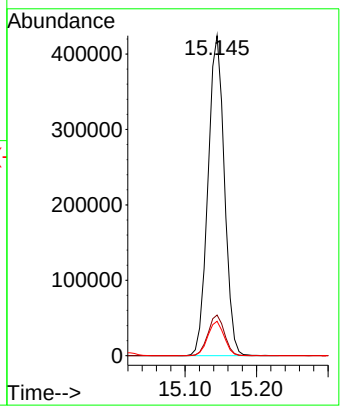




#95
Naphthalene
Concen: 106.935 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:128 Resp: 67495

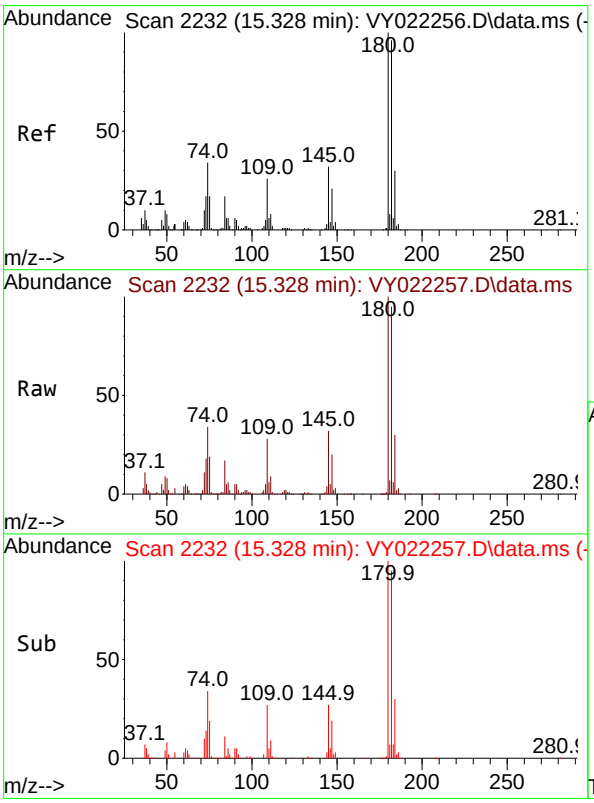
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

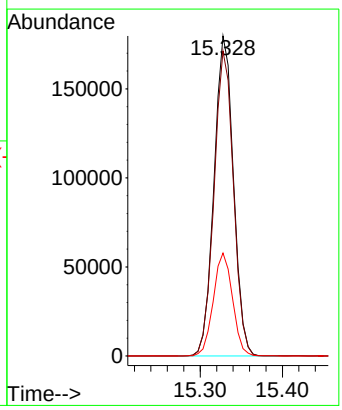
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 104.488 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022257.D
Acq: 15 May 2025 11:24

Tgt Ion:180 Resp: 294823

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.8	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	442917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	389769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455385	153.739	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.480%#			
35) Dibromofluoromethane	7.634	113	412318	155.969	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 311.940%#			
50) Toluene-d8	10.103	98	1689714	156.065	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 312.120%#			
62) 4-Bromofluorobenzene	12.402	95	541367	157.751	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 315.500%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	389593	137.760	ug/l	100
3) Chloromethane	2.068	50	727243	122.246	ug/l	99
4) Vinyl Chloride	2.202	62	902596	135.801	ug/l	97
5) Bromomethane	2.586	94	780107	144.182	ug/l	99
6) Chloroethane	2.727	64	590870	142.898	ug/l	98
7) Trichlorofluoromethane	3.050	101	989291	147.013	ug/l	99
8) Diethyl Ether	3.452	74	236216	146.270	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	422397	144.588	ug/l	100
10) Methyl Iodide	4.001	142	518980	153.489	ug/l	98
11) Tert butyl alcohol	4.866	59	172549	762.834	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	425285	146.697	ug/l	97
13) Acrolein	3.653	56	237291	717.595	ug/l	98
14) Allyl chloride	4.379	41	756728	148.866	ug/l	100
15) Acrylonitrile	5.055	53	512850	770.708	ug/l	100
16) Acetone	3.873	43	375443	675.976	ug/l	99
17) Carbon Disulfide	4.104	76	1365378	144.429	ug/l	100
18) Methyl Acetate	4.385	43	282084	166.915	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	1225258	153.279	ug/l	98
20) Methylene Chloride	4.616	84	448817	125.059	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	472143	147.547	ug/l	99
22) Diisopropyl ether	6.019	45	1626927	151.557	ug/l	99
23) Vinyl Acetate	5.958	43	4953644	763.831	ug/l	100
24) 1,1-Dichloroethane	5.915	63	879785	146.697	ug/l	99
25) 2-Butanone	6.890	43	708010	762.091	ug/l	98
26) 2,2-Dichloropropane	6.884	77	787195	147.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	563503	152.601	ug/l	100
28) Bromochloromethane	7.244	49	387221	151.369	ug/l	100
29) Tetrahydrofuran	7.262	42	472224	790.072	ug/l	100
30) Chloroform	7.421	83	859317	149.381	ug/l	98
31) Cyclohexane	7.701	56	821784	137.144	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	784014	148.554	ug/l	99
36) 1,1-Dichloropropene	7.835	75	658871	151.316	ug/l	99
37) Ethyl Acetate	6.982	43	320686	153.067	ug/l	99
38) Carbon Tetrachloride	7.817	117	696139	154.450	ug/l	100
39) Methylcyclohexane	9.110	83	886329	151.510	ug/l	98
40) Benzene	8.079	78	1987535	153.973	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	202603m	132.161 ug/l		
42) 1,2-Dichloroethane	8.159	62	534517	153.124 ug/l		99
43) Isopropyl Acetate	8.195	43	704366	154.159 ug/l	#	89
44) Trichloroethene	8.866	130	481990	150.171 ug/l		96
45) 1,2-Dichloropropane	9.140	63	472217	151.736 ug/l		97
46) Dibromomethane	9.231	93	258087	153.757 ug/l		99
47) Bromodichloromethane	9.420	83	669834	153.824 ug/l		99
48) Methyl methacrylate	9.219	41	344147	161.060 ug/l		99
49) 1,4-Dioxane	9.231	88	61019	3217.888 ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	1829015	815.822 ug/l		99
52) Toluene	10.170	92	1276917	156.216 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	663513	156.134 ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	754493	154.963 ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	330716	153.863 ug/l		99
56) Ethyl methacrylate	10.439	69	535897	160.058 ug/l		99
57) 1,3-Dichloropropane	10.719	76	584253	152.987 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	1350536	898.675 ug/l		99
59) 2-Hexanone	10.762	43	1227881	816.860 ug/l		99
60) Dibromochloromethane	10.908	129	438666	157.237 ug/l		99
61) 1,2-Dibromoethane	11.012	107	308529	154.008 ug/l		99
64) Tetrachloroethene	10.646	164	501627	139.237 ug/l		100
65) Chlorobenzene	11.438	112	1336594	151.997 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	480525	158.952 ug/l		100
67) Ethyl Benzene	11.518	91	2598027	157.756 ug/l		99
68) m/p-Xylenes	11.627	106	1992413	321.066 ug/l		99
69) o-Xylene	11.957	106	937727	159.714 ug/l		99
70) Styrene	11.969	104	1613798	162.944 ug/l		100
71) Bromoform	12.133	173	254251	155.818 ug/l	#	99
73) Isopropylbenzene	12.255	105	2357568	151.387 ug/l		100
74) N-amyl acetate	12.066	43	694999	156.041 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	375378	156.735 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	289968m	87.525 ug/l		
77) Bromobenzene	12.530	156	509579	153.206 ug/l		99
78) n-propylbenzene	12.591	91	2822794	150.276 ug/l		100
79) 2-Chlorotoluene	12.676	91	1563003	151.415 ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1888432	150.219 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	139931	148.846 ug/l		99
82) 4-Chlorotoluene	12.774	91	1616520	152.250 ug/l		99
83) tert-Butylbenzene	12.993	119	1699962	152.144 ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	1934641	155.030 ug/l		100
85) sec-Butylbenzene	13.176	105	2493393	150.330 ug/l		100
86) p-Isopropyltoluene	13.292	119	2205275	158.088 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1079479	158.981 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	969874	148.497 ug/l		99
89) n-Butylbenzene	13.615	91	1992554	150.985 ug/l		99
90) Hexachloroethane	13.877	117	417341	148.208 ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	858733	150.565 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	58383	151.172 ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	508537	154.361 ug/l		99
94) Hexachlorobutadiene	15.023	225	261832	142.514 ug/l		100
95) Naphthalene	15.139	128	979369	156.653 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	426231	152.509 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

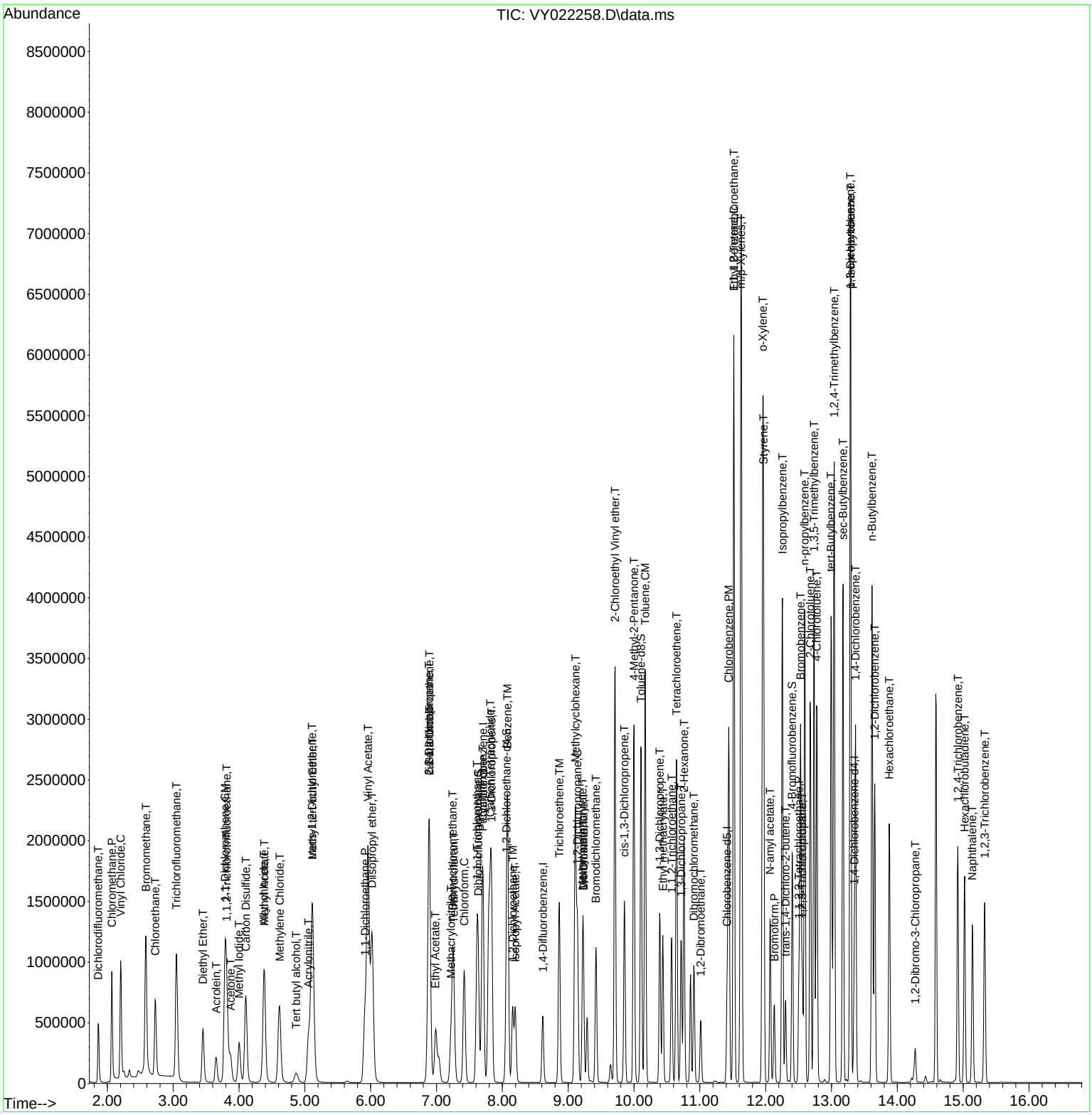
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022258.D
Acq On : 15 May 2025 11:47
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

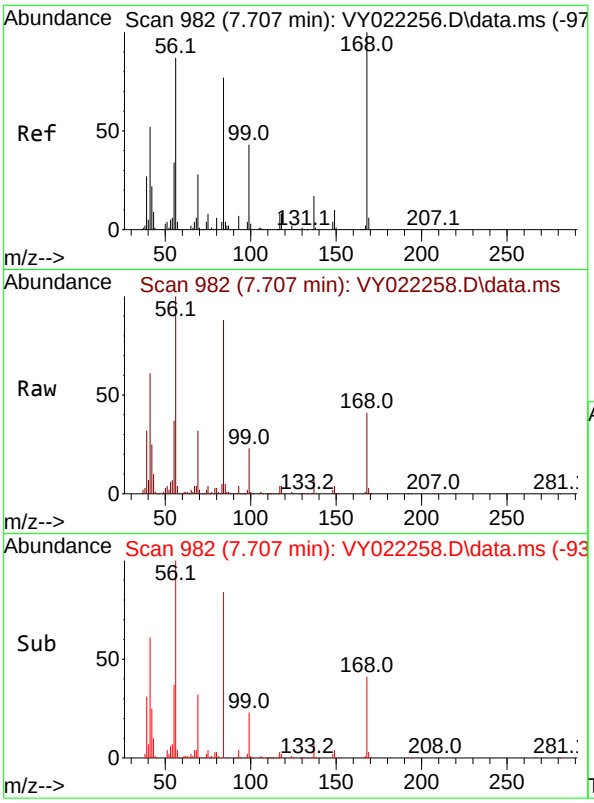
Quant Time: May 16 01:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:19:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

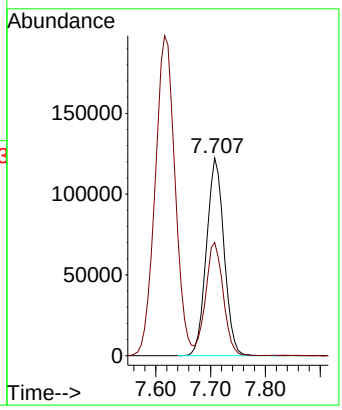
Tgt Ion:168 Resp: 27102

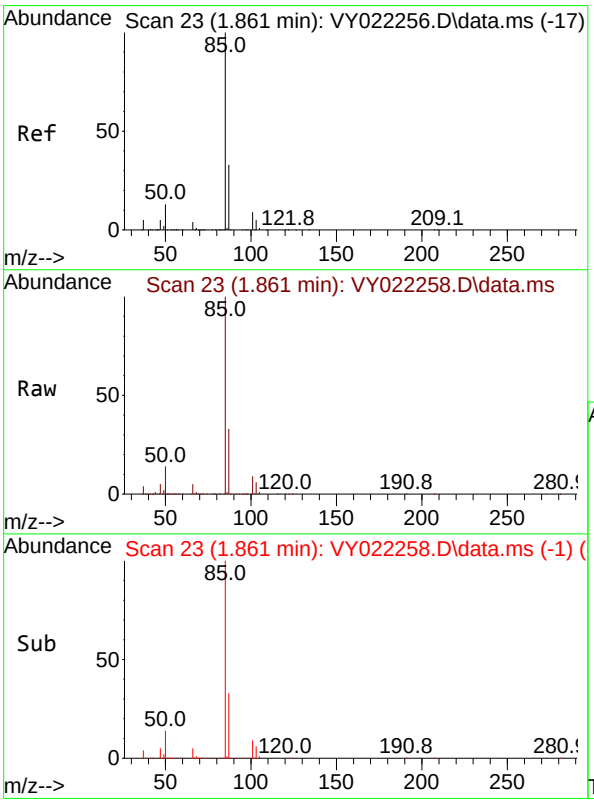
Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

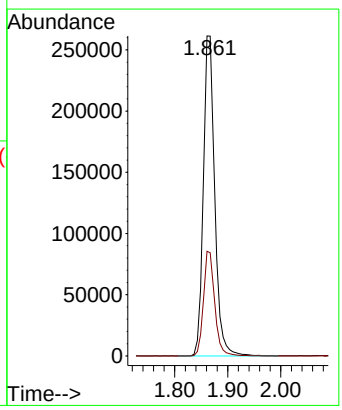


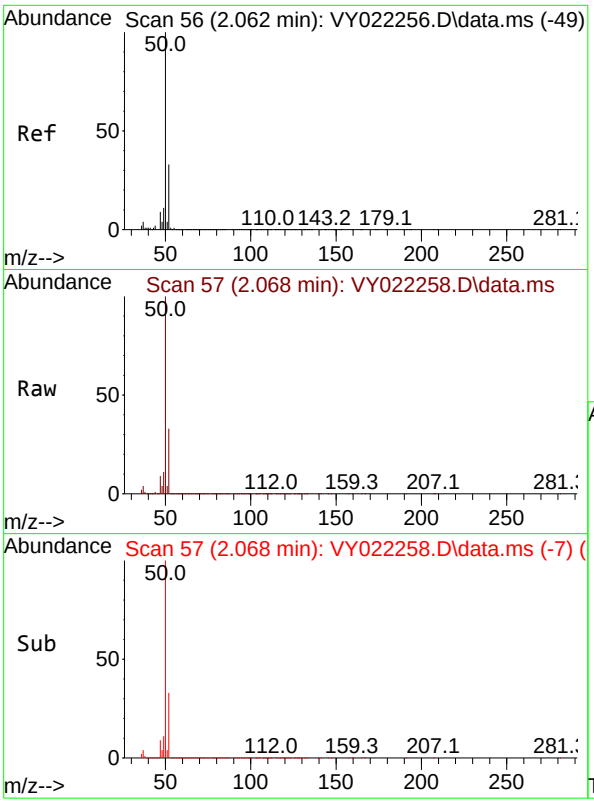


#2
Dichlorodifluoromethane
Concen: 137.760 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 85 Resp: 389593

Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.5	49.5

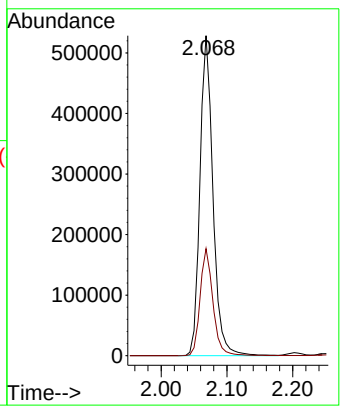




#3
Chloromethane
Concen: 122.246 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 50 Resp: 72724

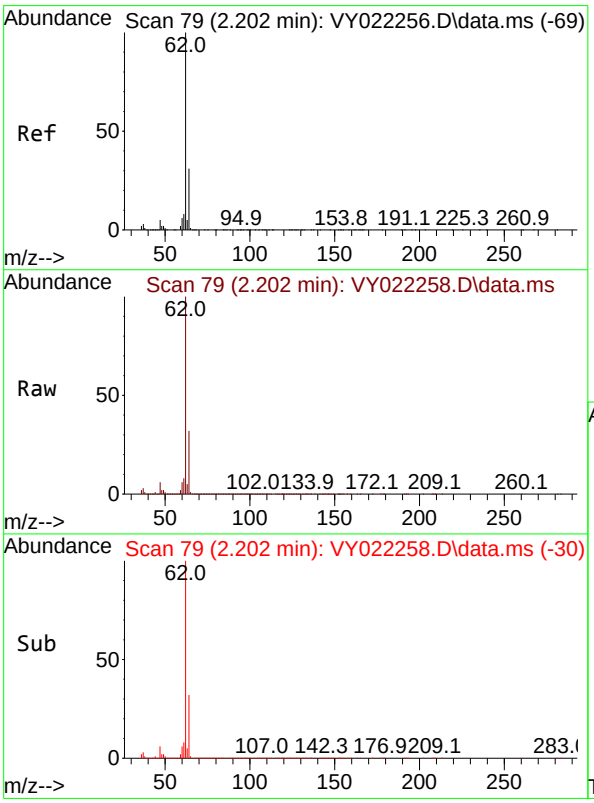
Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

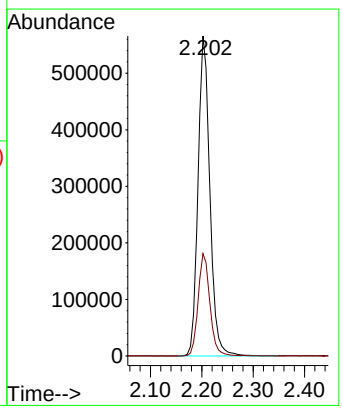
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

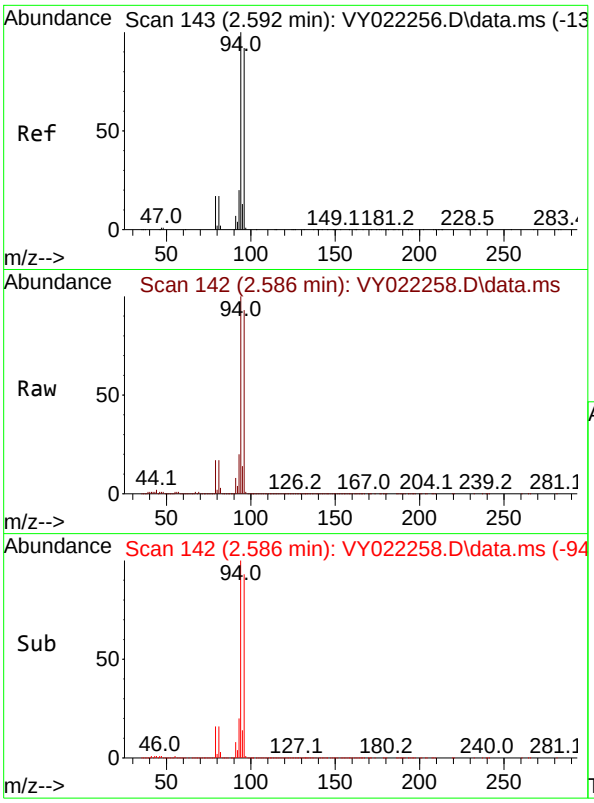


#4
Vinyl Chloride
Concen: 135.801 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 902596

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.5	36.7

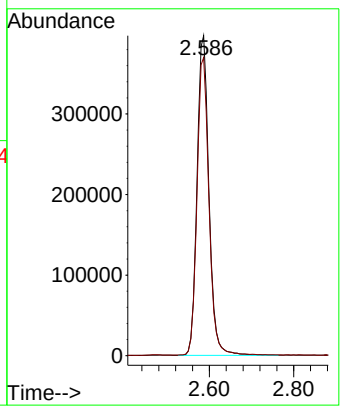




#5
Bromomethane
Concen: 144.182 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 94 Resp: 78010

Ion	Ratio	Lower	Upper
94	100		
96	93.0	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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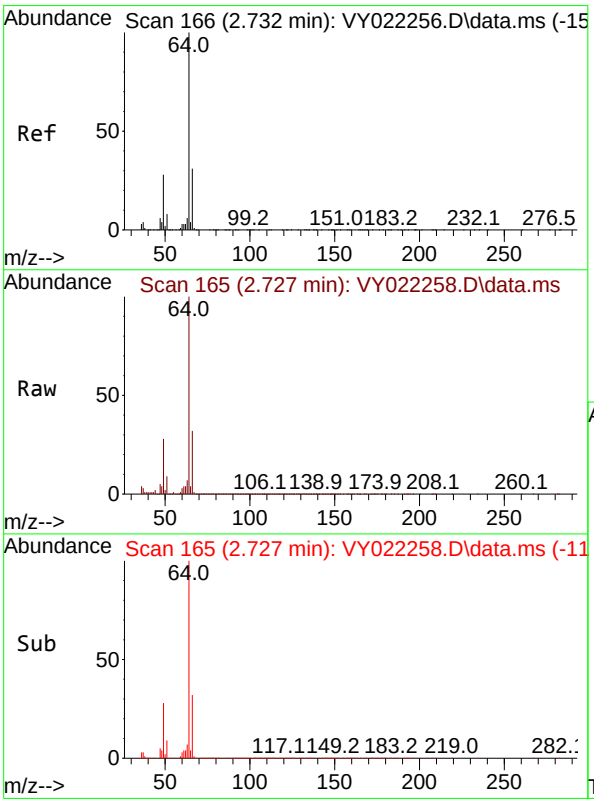
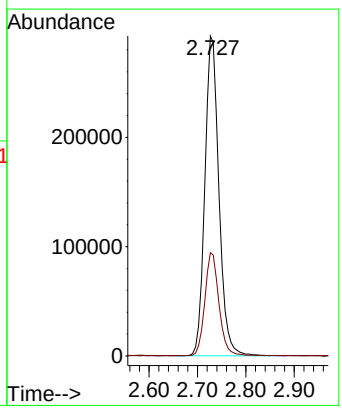
Supervised By :Semsettin Yesilyurt 05/16/2025

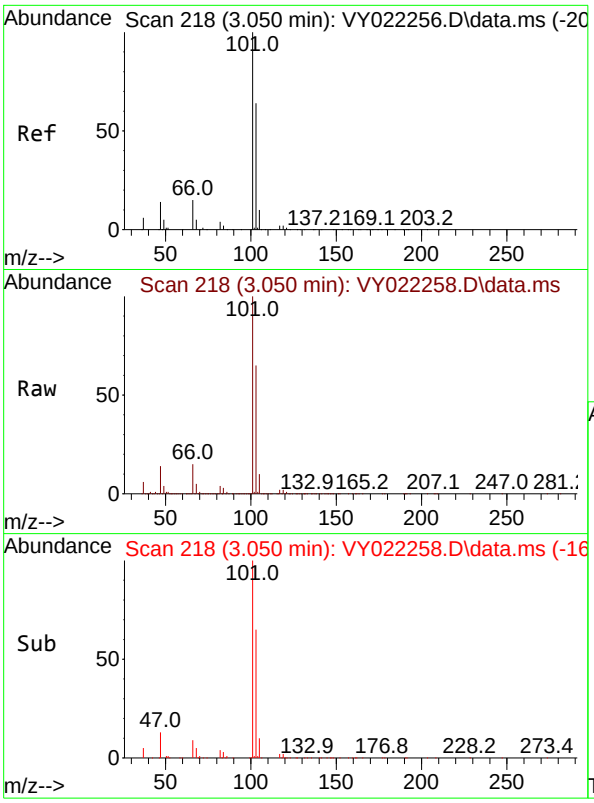


#6
Chloroethane
Concen: 142.898 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 64 Resp: 590870

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.8	37.2

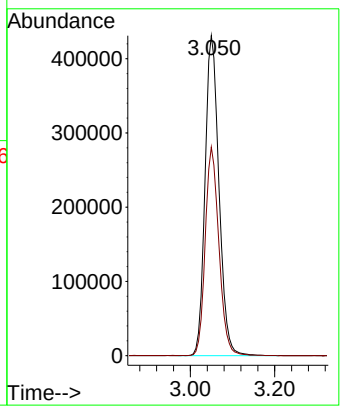




#7
Trichlorofluoromethane
Concen: 147.013 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:101 Resp: 98929

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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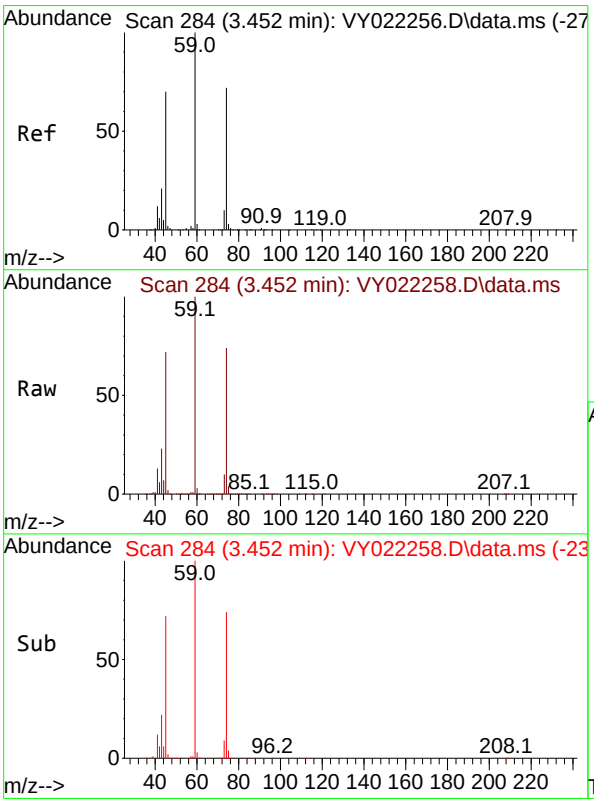
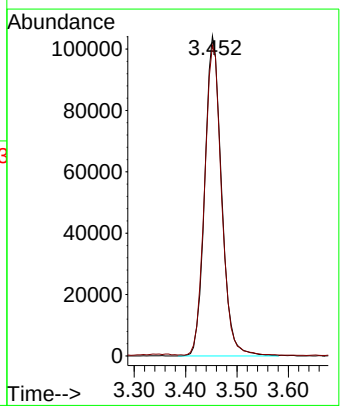
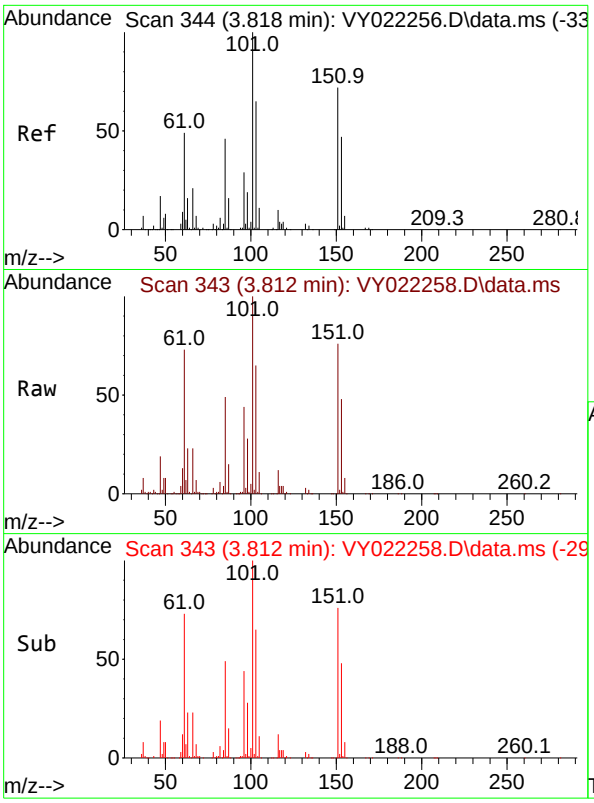


#8
Diethyl Ether
Concen: 146.270 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 74 Resp: 236216

Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 144.588 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:101 Resp: 42239

Ion	Ratio	Lower	Upper
101	100		
85	48.2	38.6	58.0
151	75.2	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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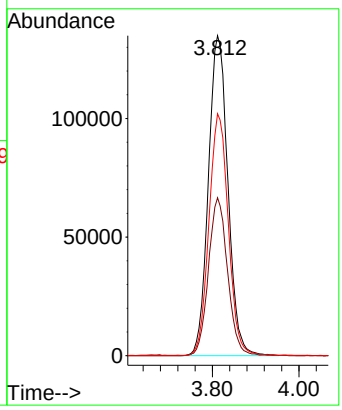
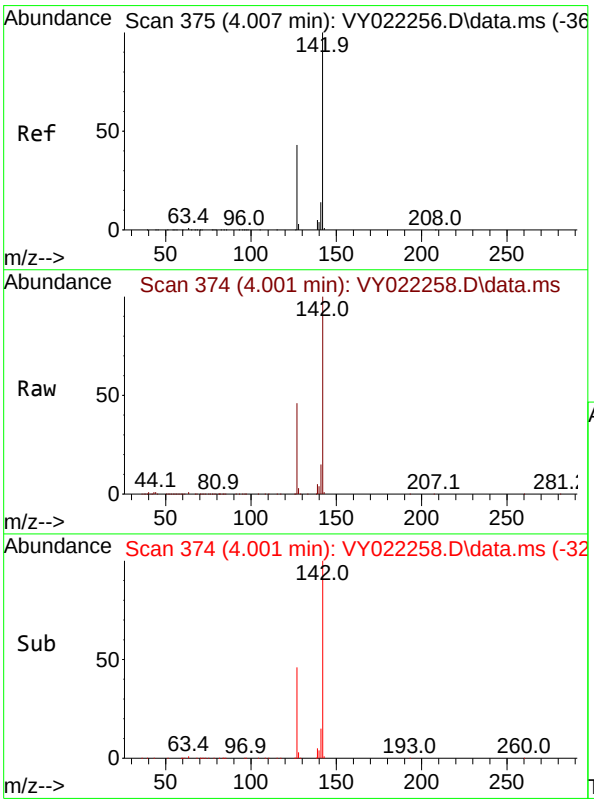
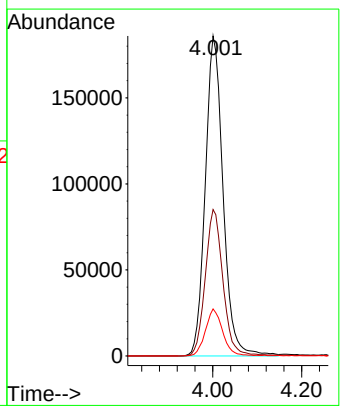


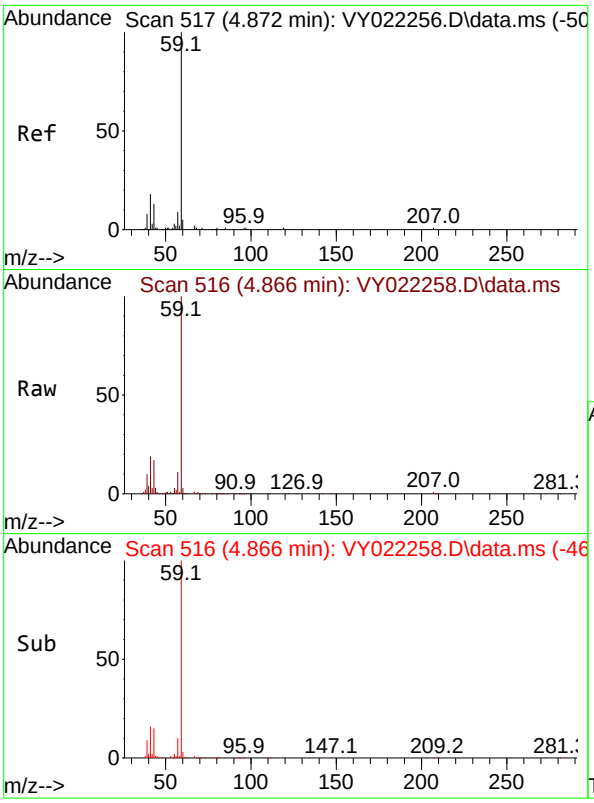


#10
Methyl Iodide
Concen: 153.489 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:142 Resp: 518980

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.7	53.5
141	14.3	11.1	16.7

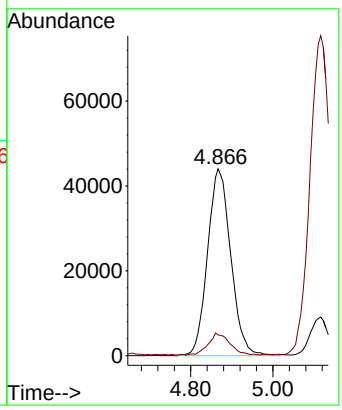




#11
Tert butyl alcohol
Concen: 762.834 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 59 Resp: 17254

Ion	Ratio	Lower	Upper
59	100		
57	10.9	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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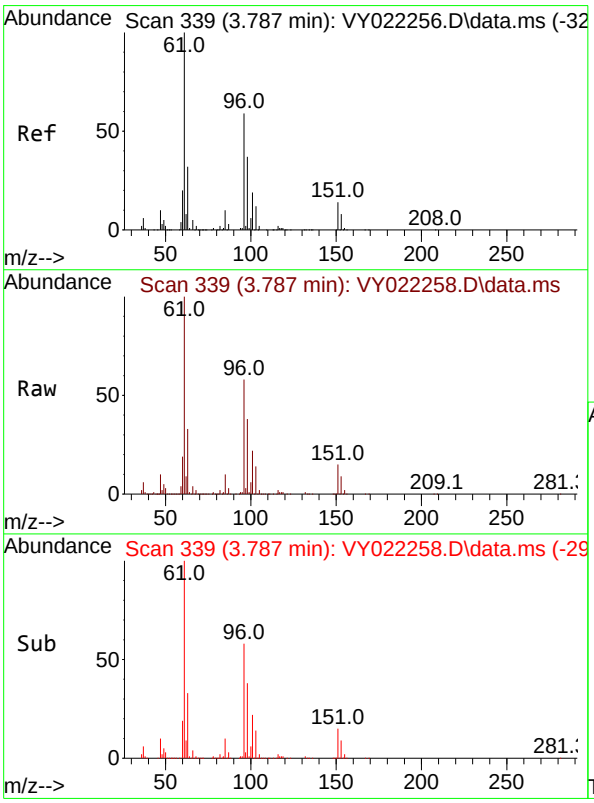
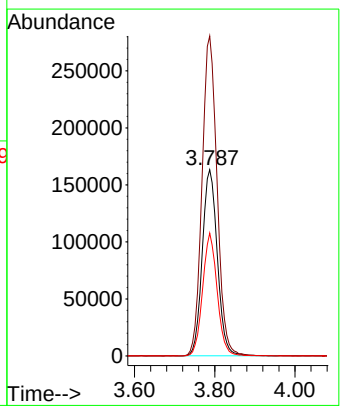
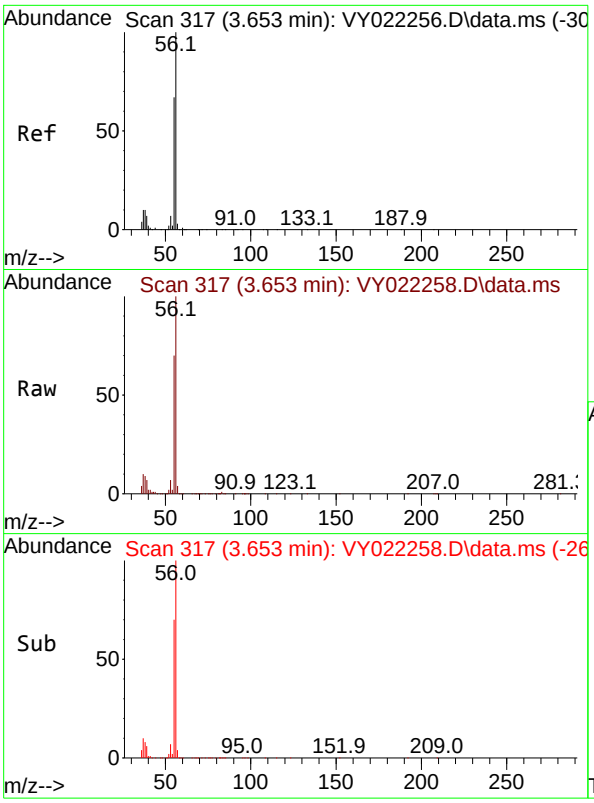


#12
1,1-Dichloroethene
Concen: 146.697 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 425285

Ion	Ratio	Lower	Upper
96	100		
61	171.9	134.9	202.3
98	65.9	49.9	74.9

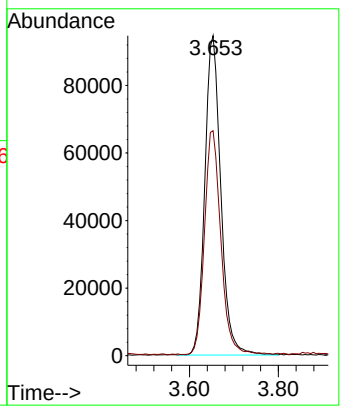




#13
Acrolein
Concen: 717.595 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 56 Resp: 23729

Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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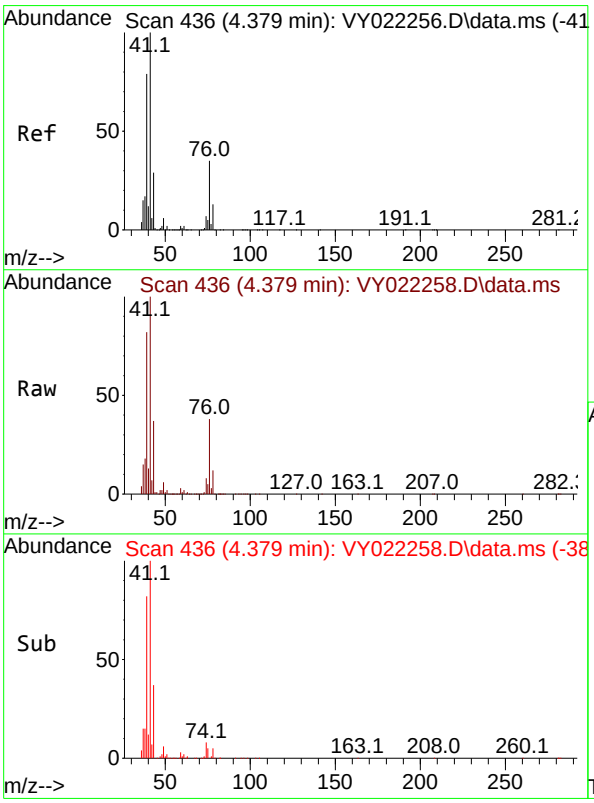
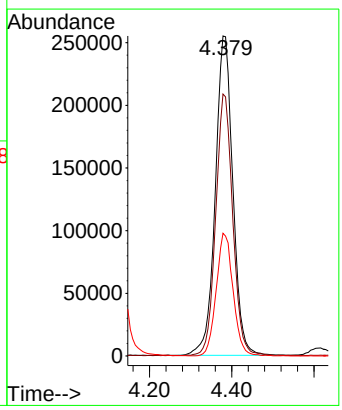
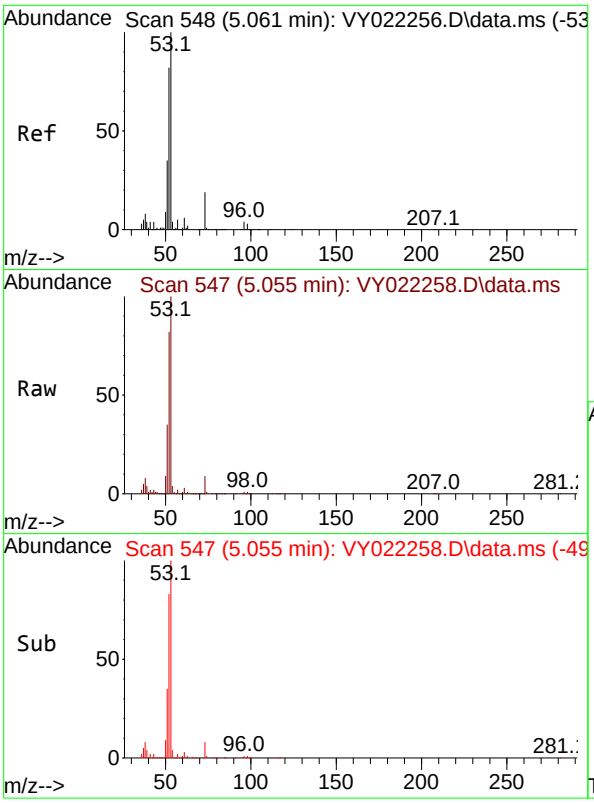


#14
Allyl chloride
Concen: 148.866 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 756728

Ion	Ratio	Lower	Upper
41	100		
39	79.2	63.4	95.0
76	36.8	29.5	44.3

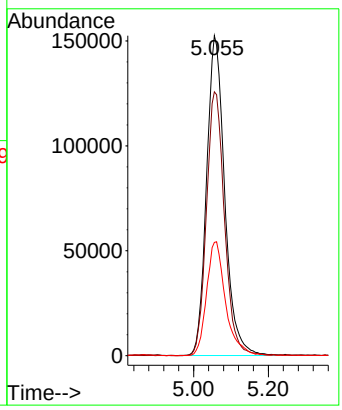




#15
Acrylonitrile
Concen: 770.708 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 53 Resp: 51285

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.1	99.1
51	37.5	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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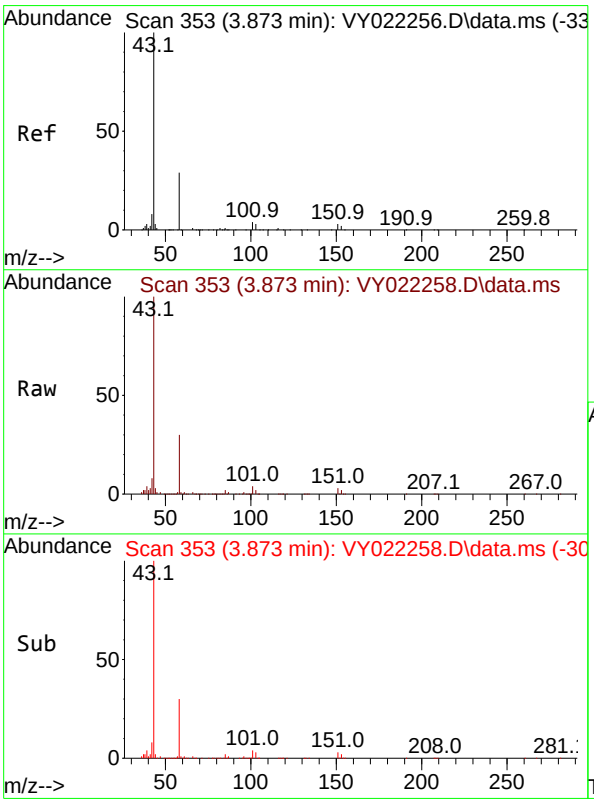
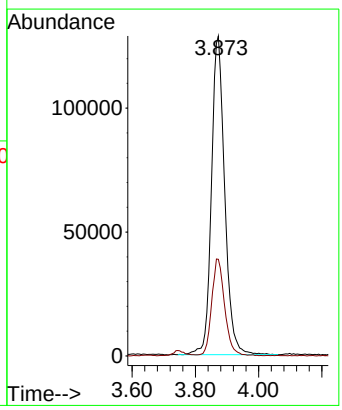
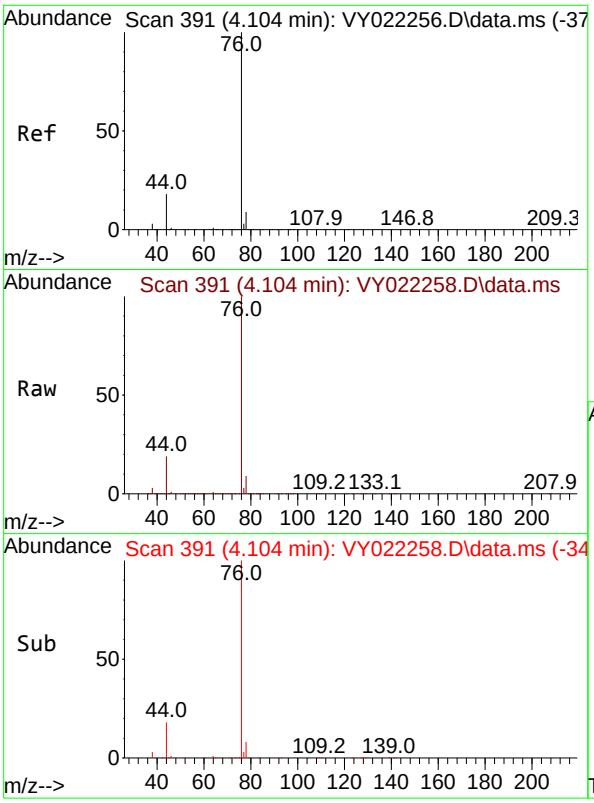


#16
Acetone
Concen: 675.976 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 375443

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4

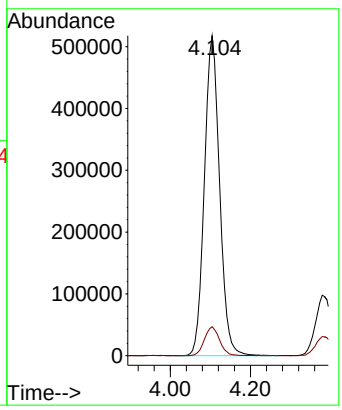




#17
Carbon Disulfide
Concen: 144.429 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 76 Resp: 136537

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
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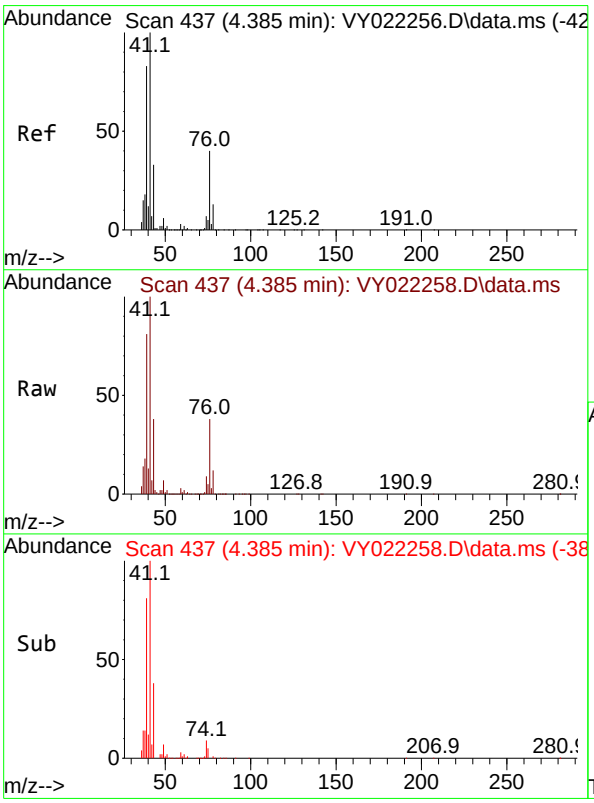
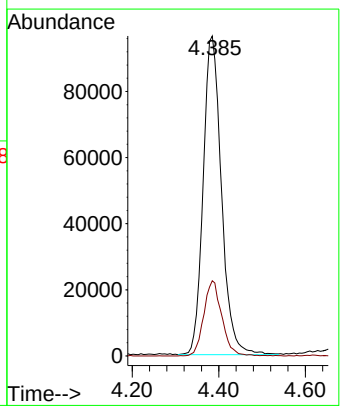
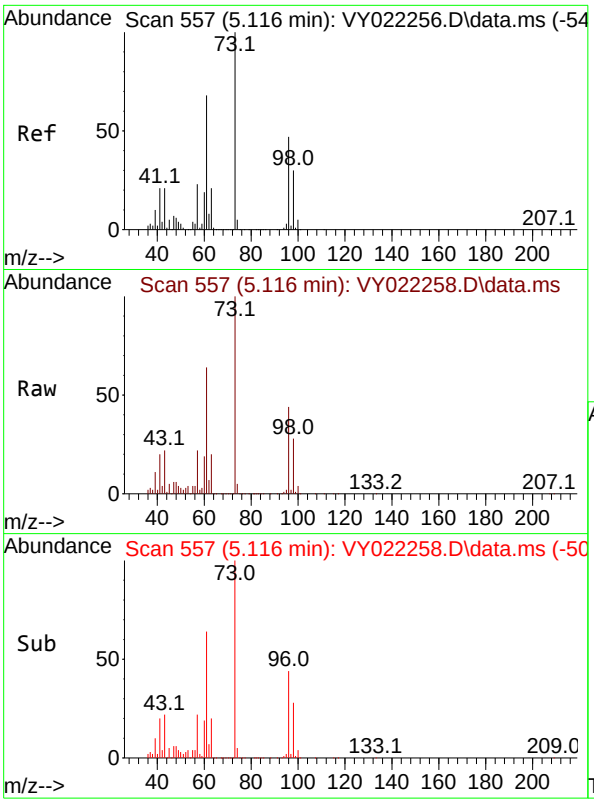


#18
Methyl Acetate
Concen: 166.915 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 282084

Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.2	27.4

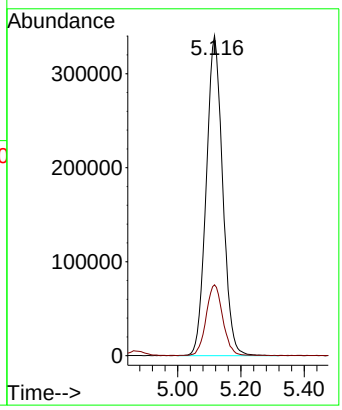




#19
Methyl tert-butyl Ether
Concen: 153.279 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 73 Resp: 122525

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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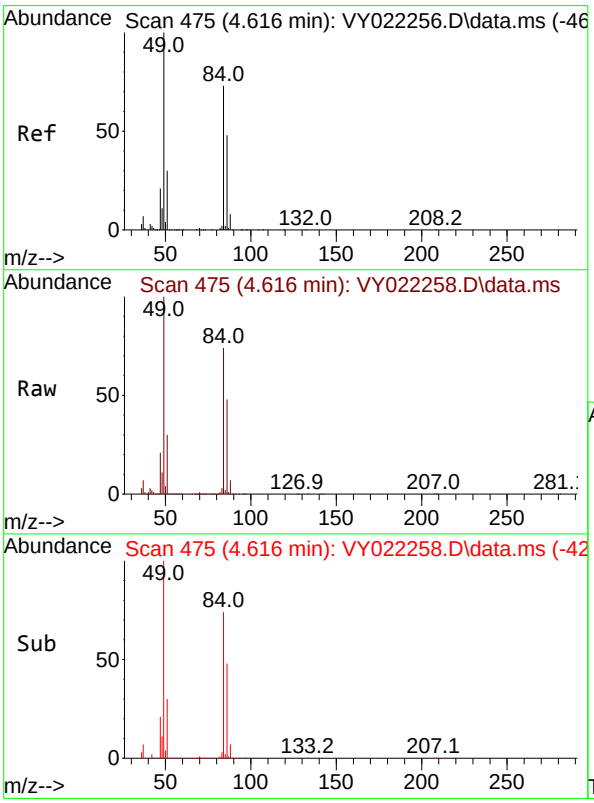
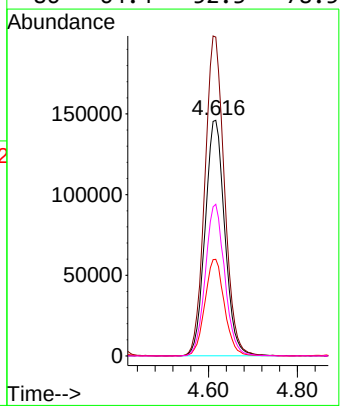
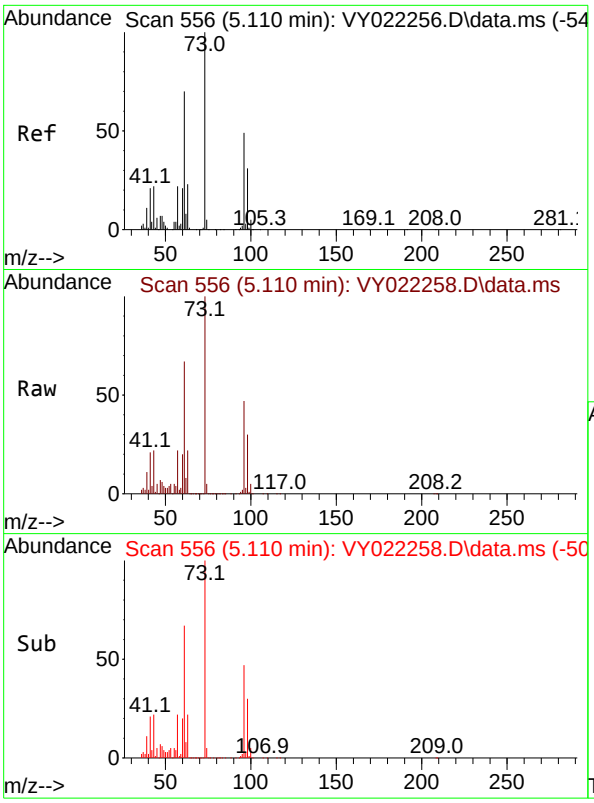


#20
Methylene Chloride
Concen: 125.059 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 84 Resp: 448817

Ion	Ratio	Lower	Upper
84	100		
49	135.3	109.6	164.4
51	40.9	32.4	48.6
86	64.4	52.3	78.5

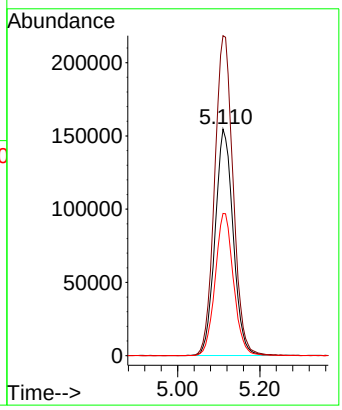




#21
trans-1,2-Dichloroethene
Concen: 147.547 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 47214

Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.4	170.0
98	62.8	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
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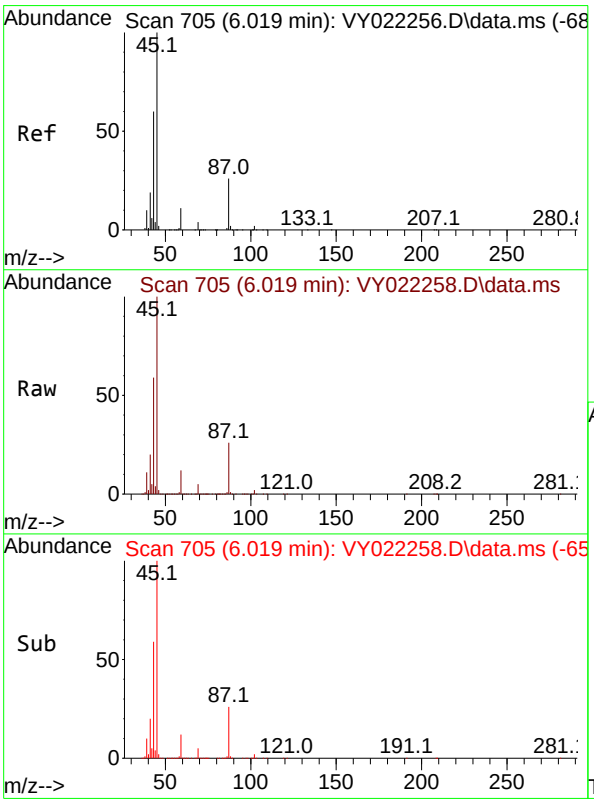
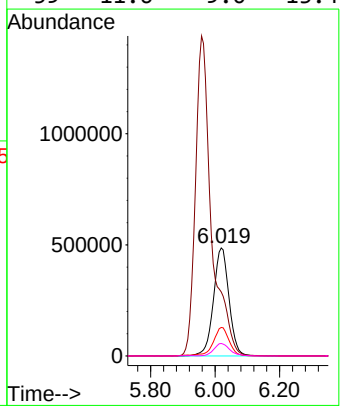
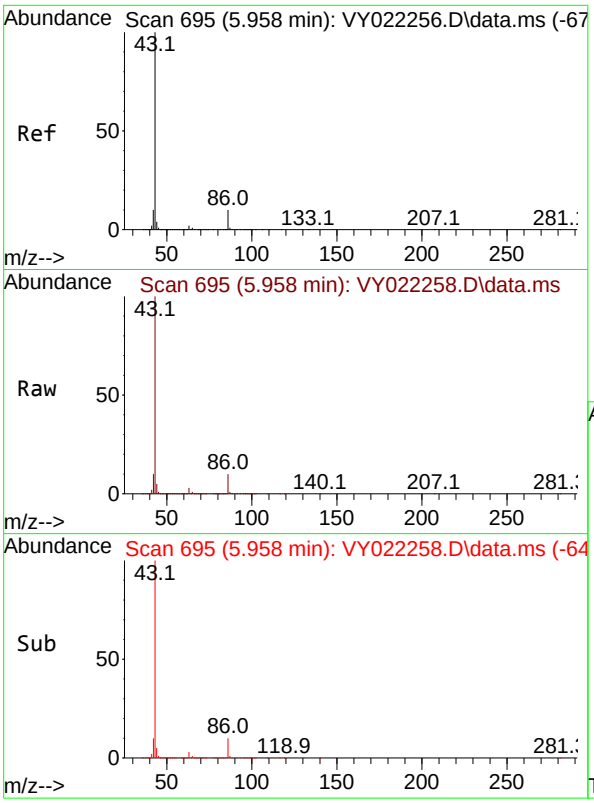


#22
Diisopropyl ether
Concen: 151.557 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 45 Resp: 1626927

Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.2	72.2
87	26.4	21.4	32.0
59	11.6	9.0	13.4

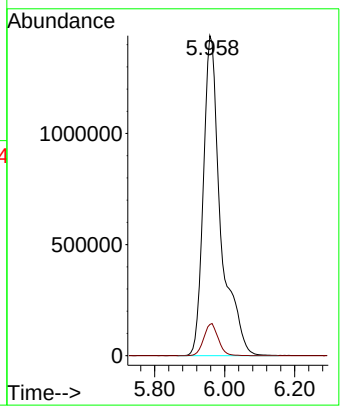




#23
Vinyl Acetate
Concen: 763.831 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 495364

Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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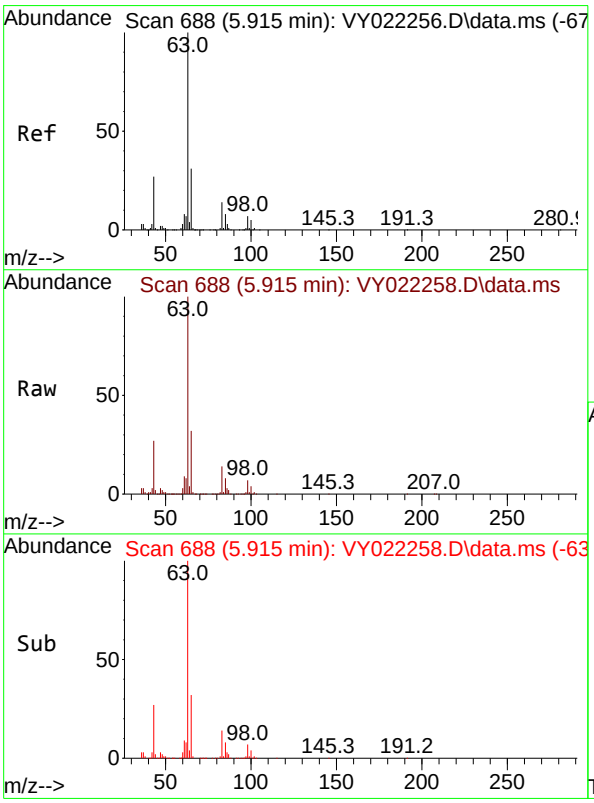
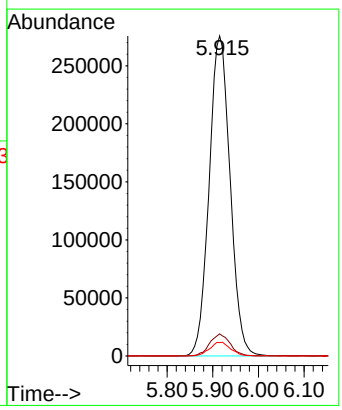
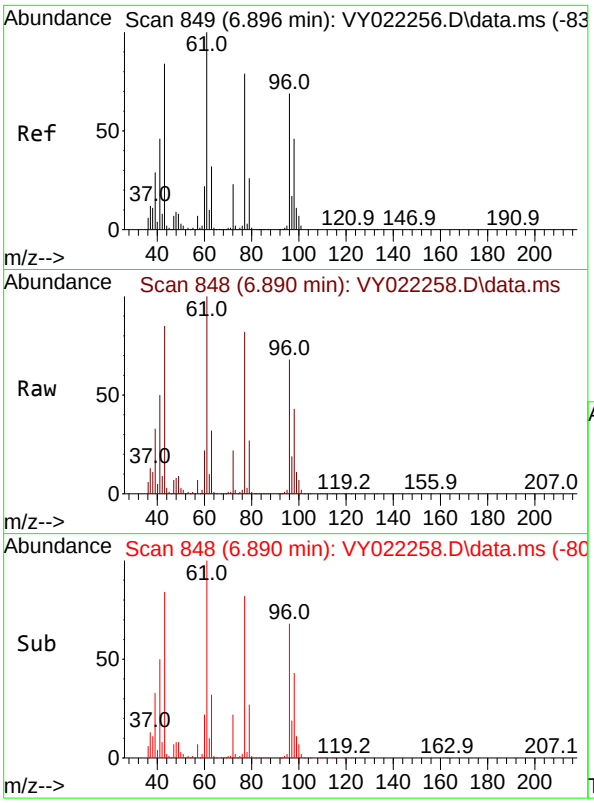


#24
1,1-Dichloroethane
Concen: 146.697 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 879785

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 762.091 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 70801

Ion	Ratio	Lower	Upper
43	100		
72	26.4	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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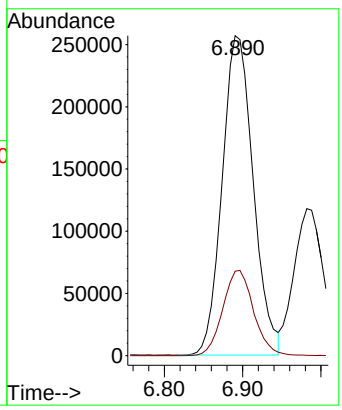
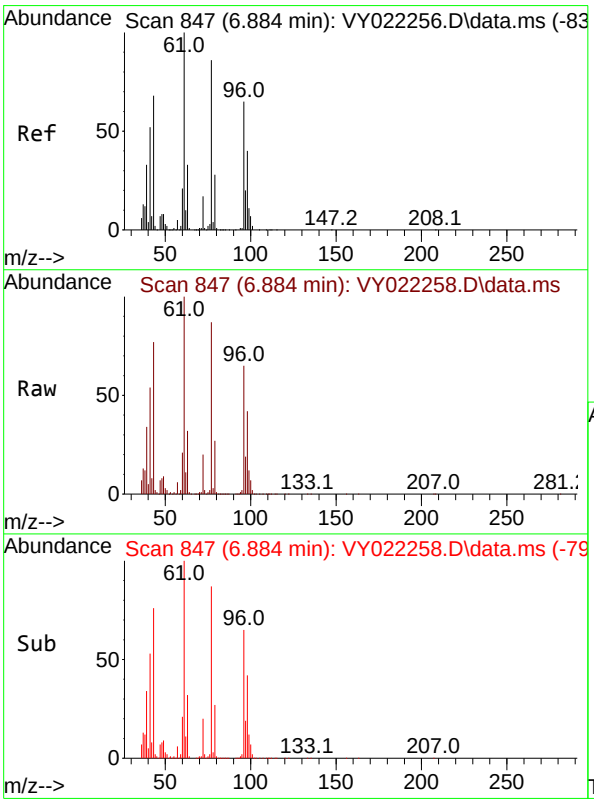
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

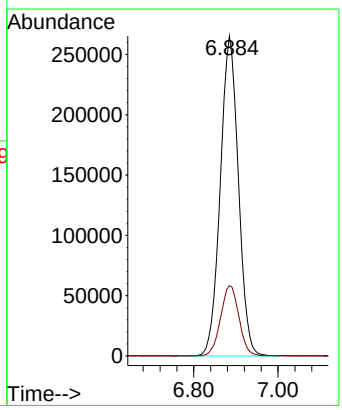


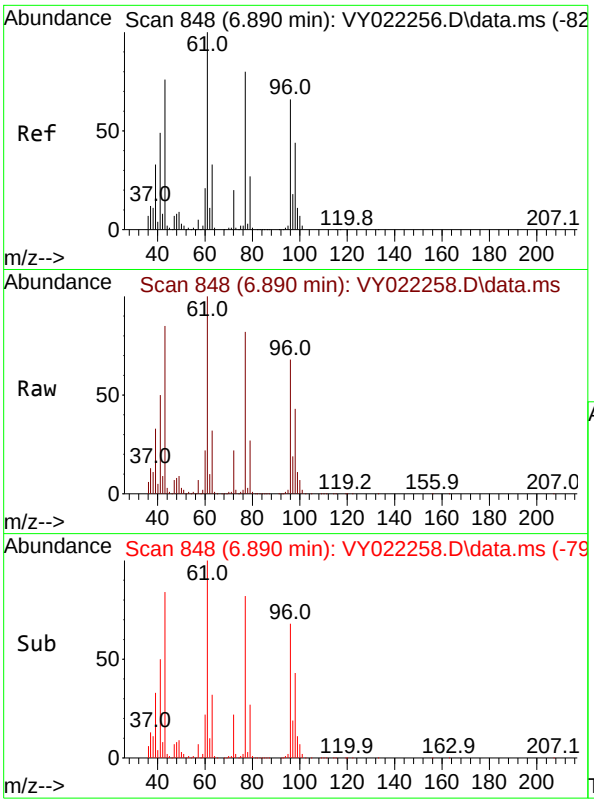


#26
2,2-Dichloropropane
Concen: 147.575 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 77 Resp: 787195

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 152.601 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 96 Resp: 56350

Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	302.6
98	64.4	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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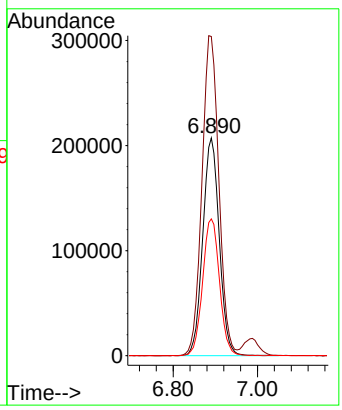
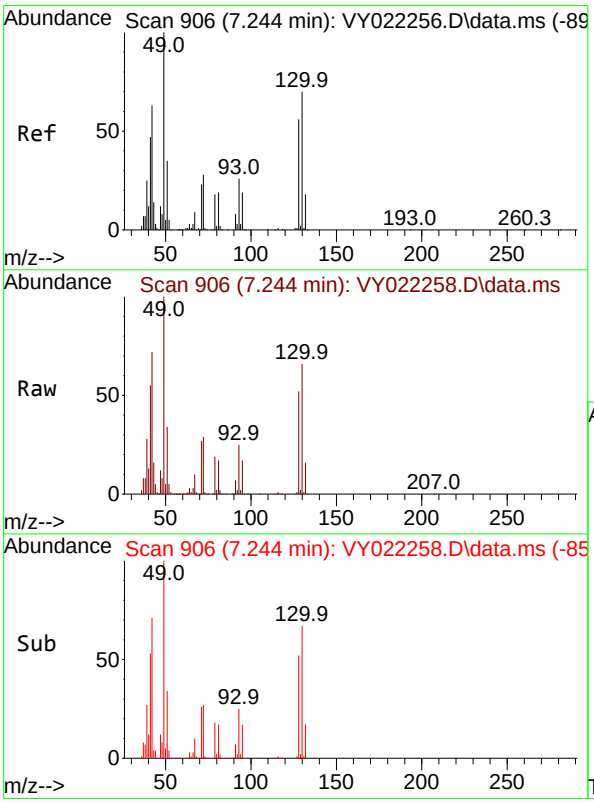
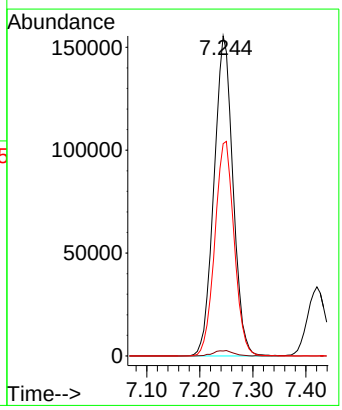


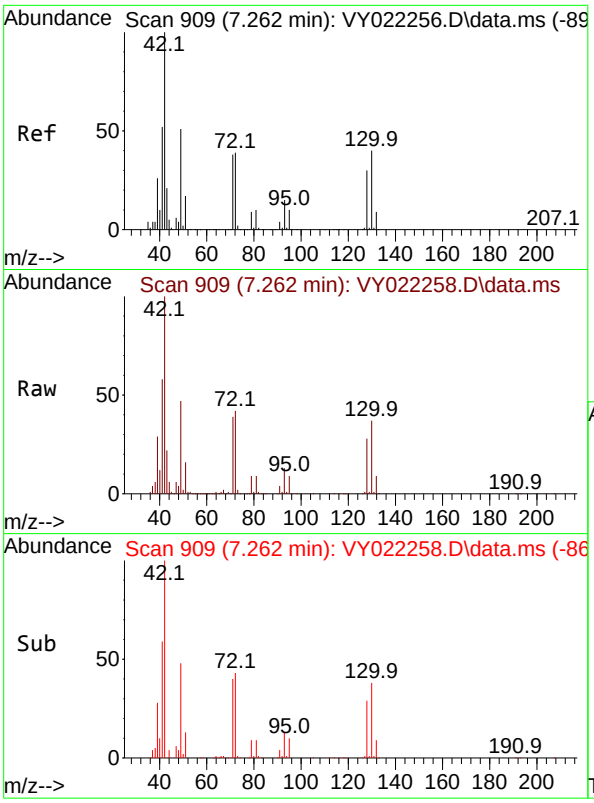


#28
Bromochloromethane
Concen: 151.369 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 49 Resp: 387221

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.2	54.7	82.1

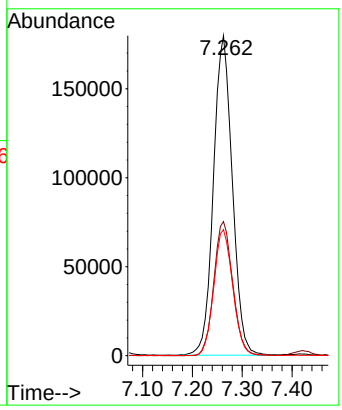




#29
Tetrahydrofuran
Concen: 790.072 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 42 Resp: 47222

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.6	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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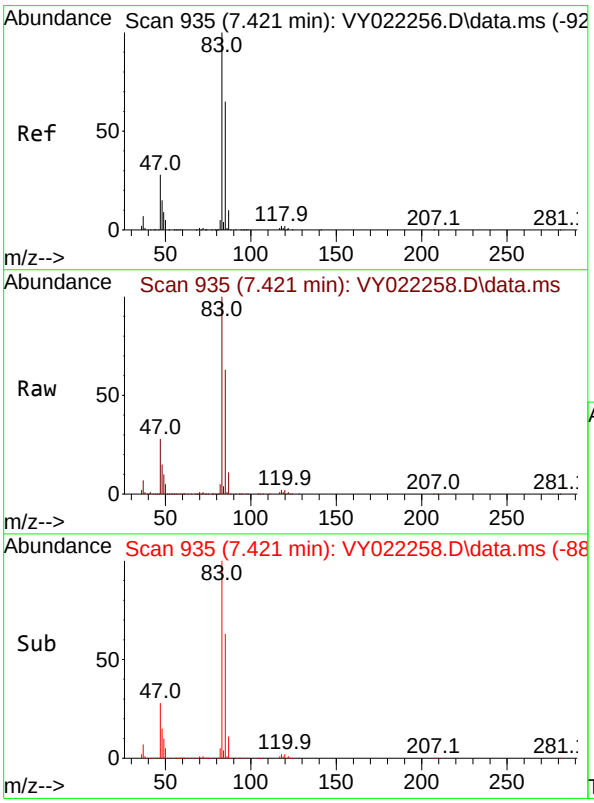
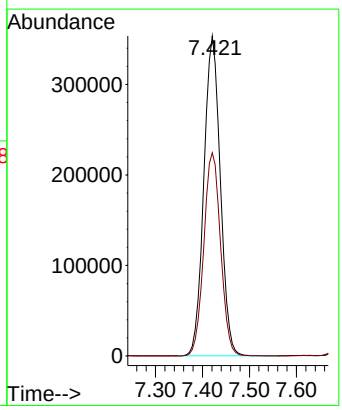
Supervised By :Semsettin Yesilyurt 05/16/2025

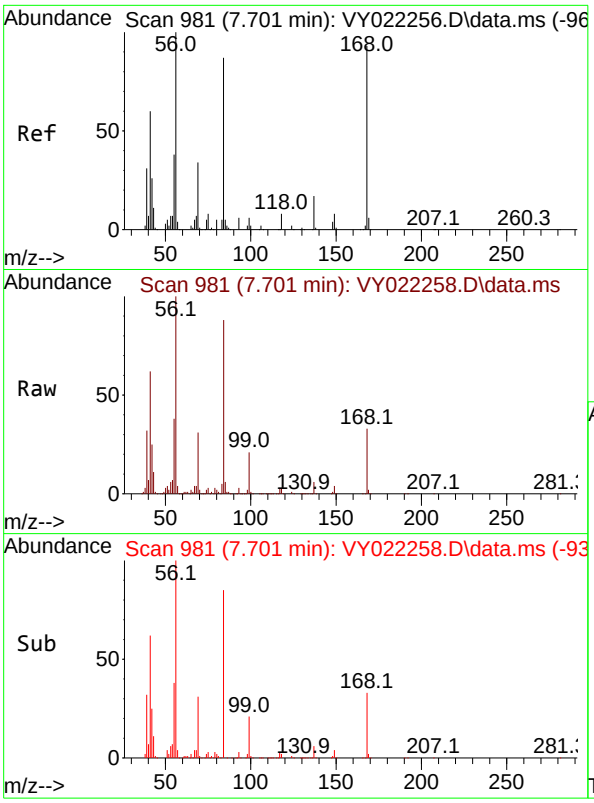


#30
Chloroform
Concen: 149.381 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 859317

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.8	77.8





#31
Cyclohexane
Concen: 137.144 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 56 Resp: 82178

Ion	Ratio	Lower	Upper
56	100		
69	30.7	27.4	41.2
84	87.3	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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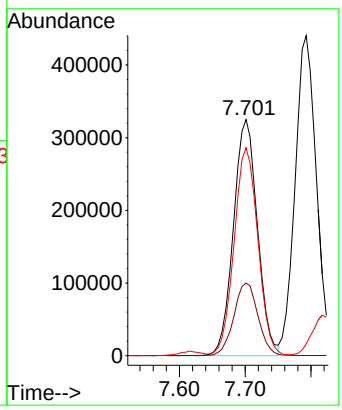
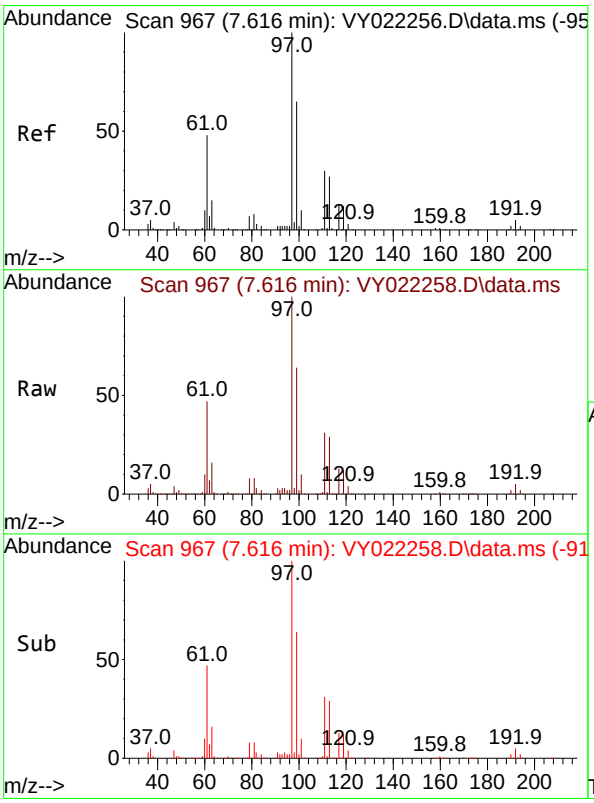
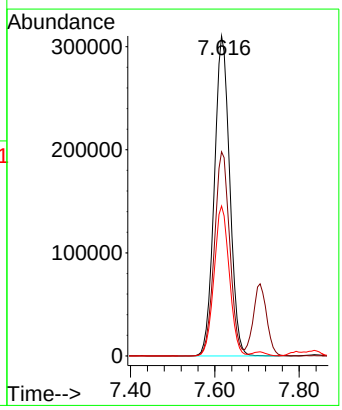


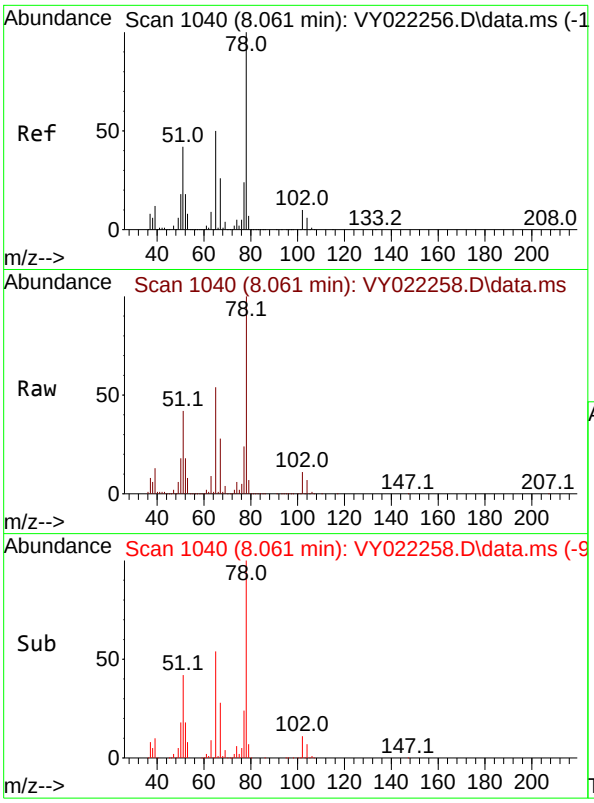


#32
1,1,1-Trichloroethane
Concen: 148.554 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 97 Resp: 784014

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	46.7	38.1	57.1

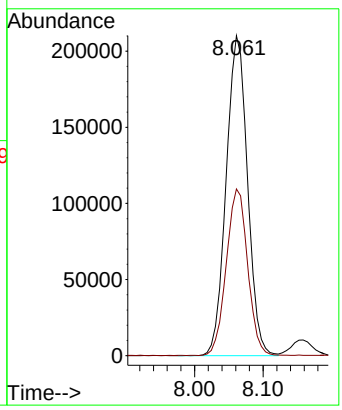




#33
1,2-Dichloroethane-d4
Concen: 153.739 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 65 Resp: 45538

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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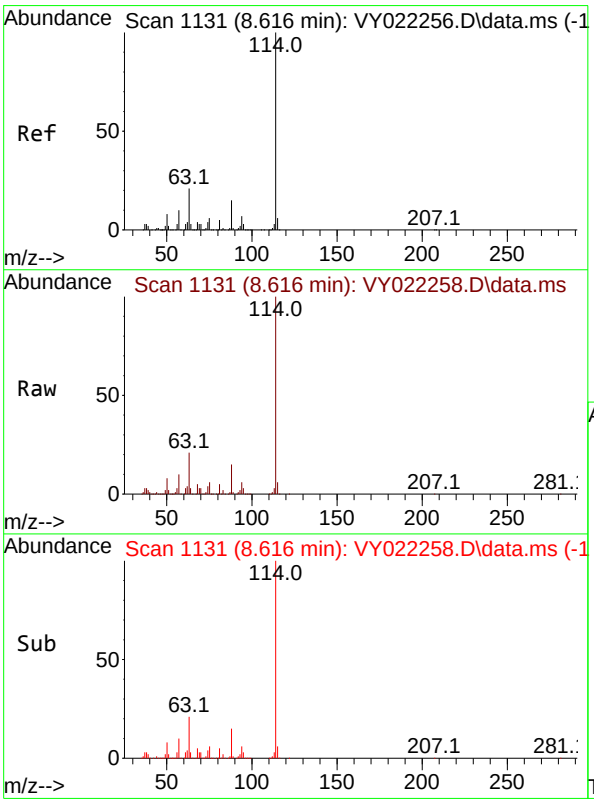
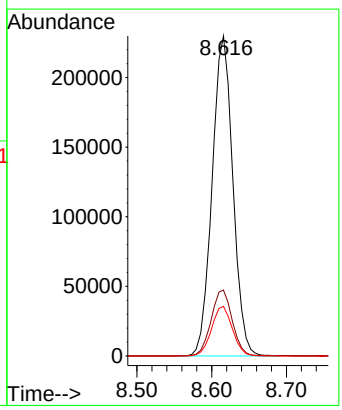
Supervised By :Semsettin Yesilyurt 05/16/2025

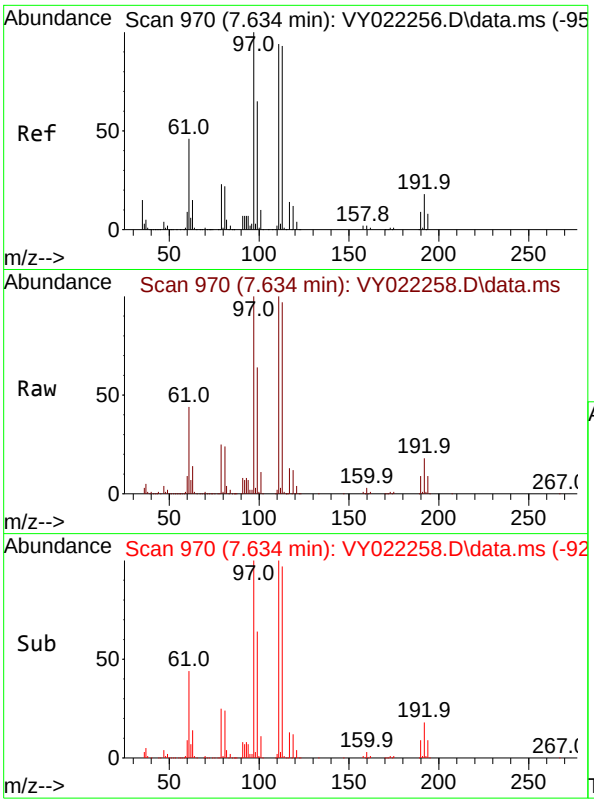


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:114 Resp: 442917

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	15.5	0.0	29.4





#35
Dibromofluoromethane
Concen: 155.969 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:113 Resp: 41231

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	18.9	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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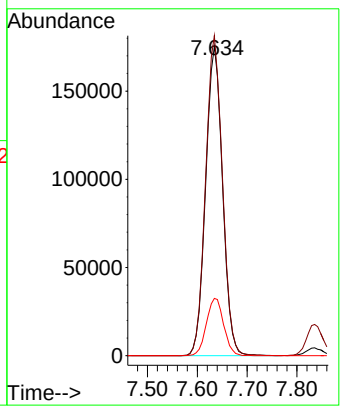
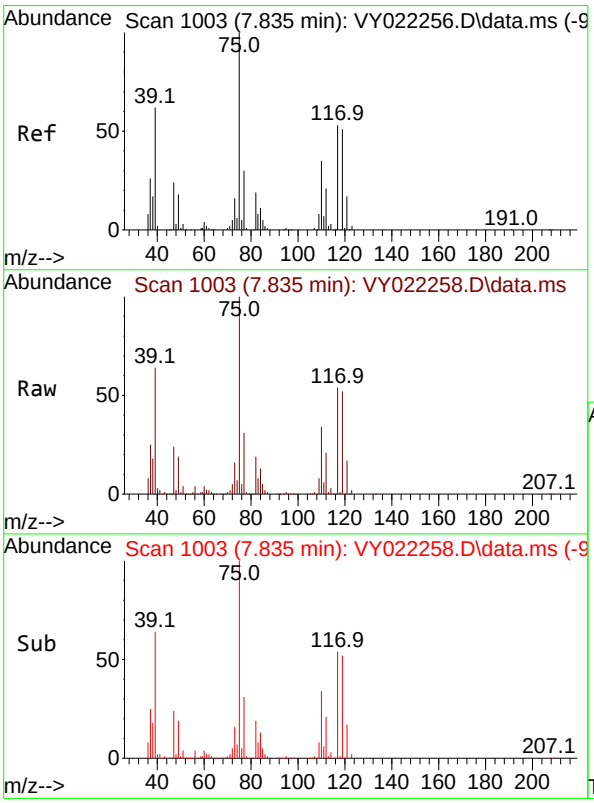
Supervised By :Semsettin Yesilyurt 05/16/2025

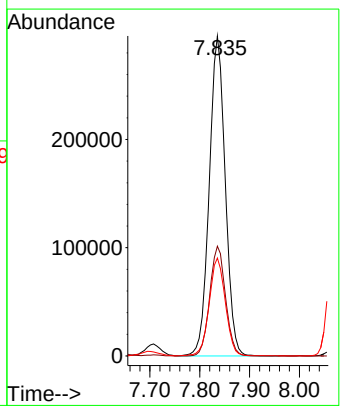


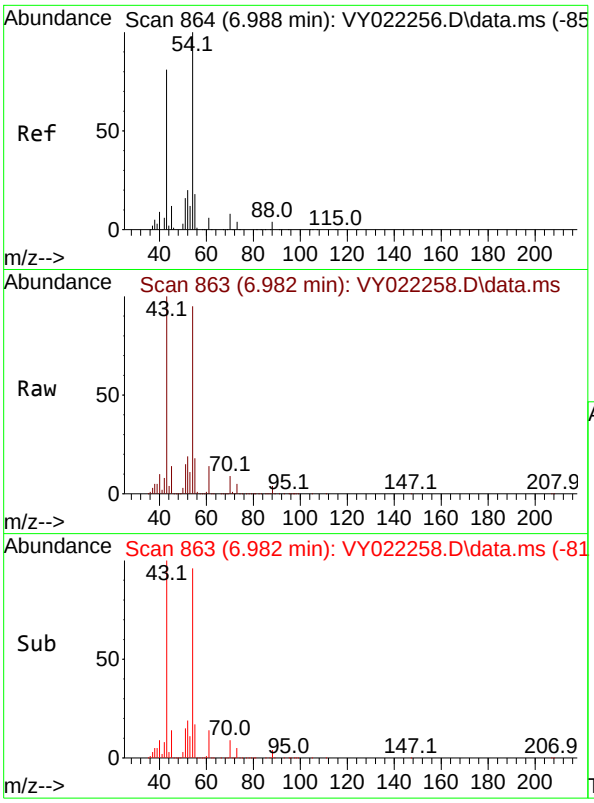


#36
1,1-Dichloropropene
Concen: 151.316 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 658871

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.6	49.8
77	30.7	24.6	37.0





#37
Ethyl Acetate
Concen: 153.067 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 32068

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.2
70	9.3	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/16/2025
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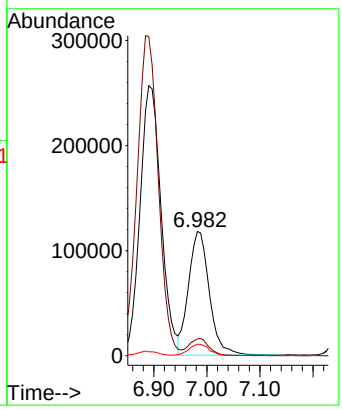
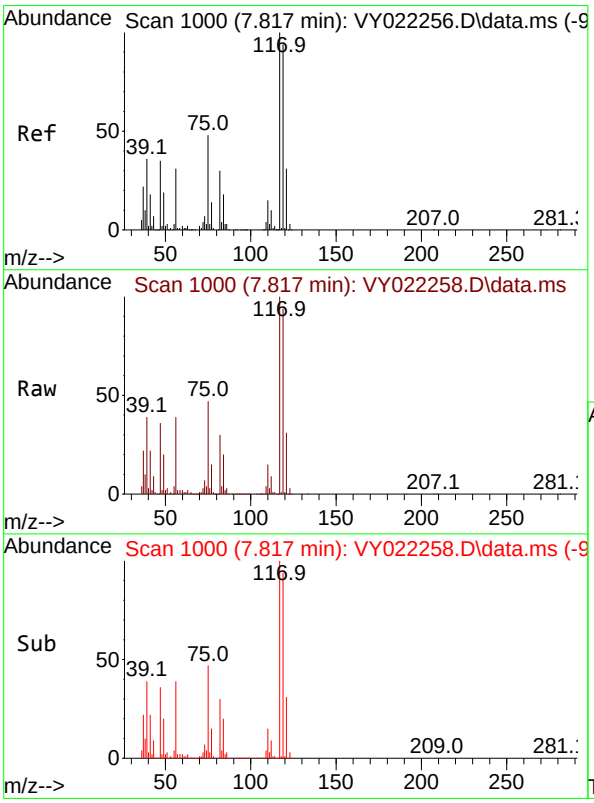
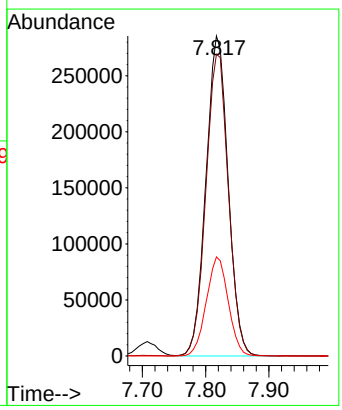


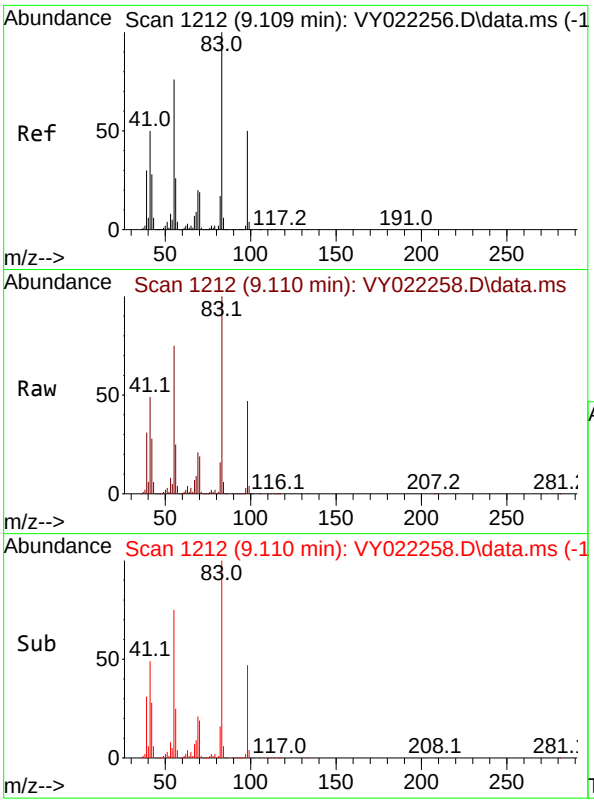


#38
Carbon Tetrachloride
Concen: 154.450 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 696139

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.3	112.9
121	30.9	24.7	37.1





#39
Methylcyclohexane
Concen: 151.510 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 88632

Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.6	90.8
98	47.2	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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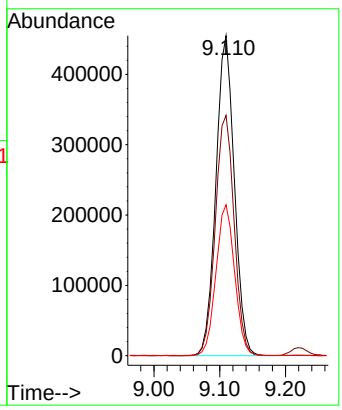
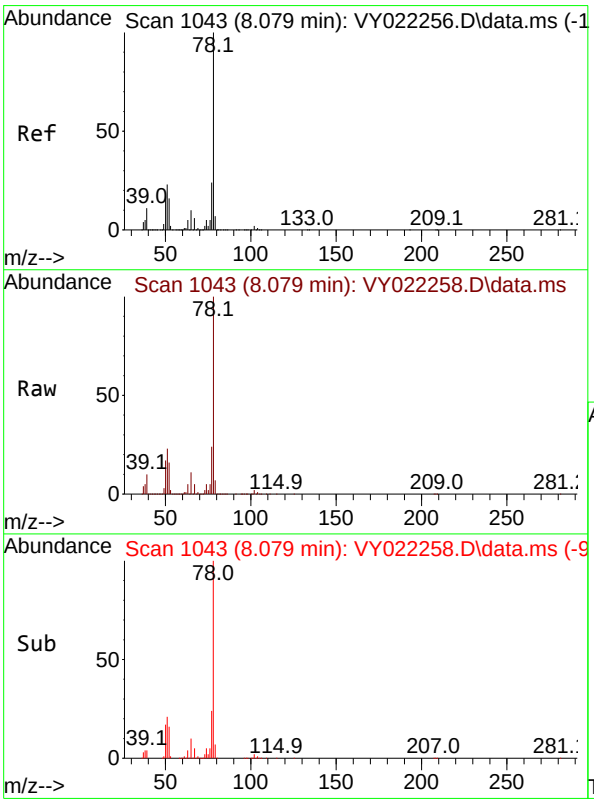
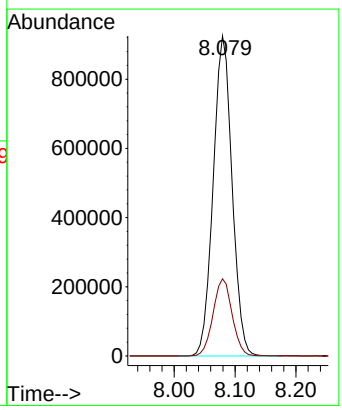


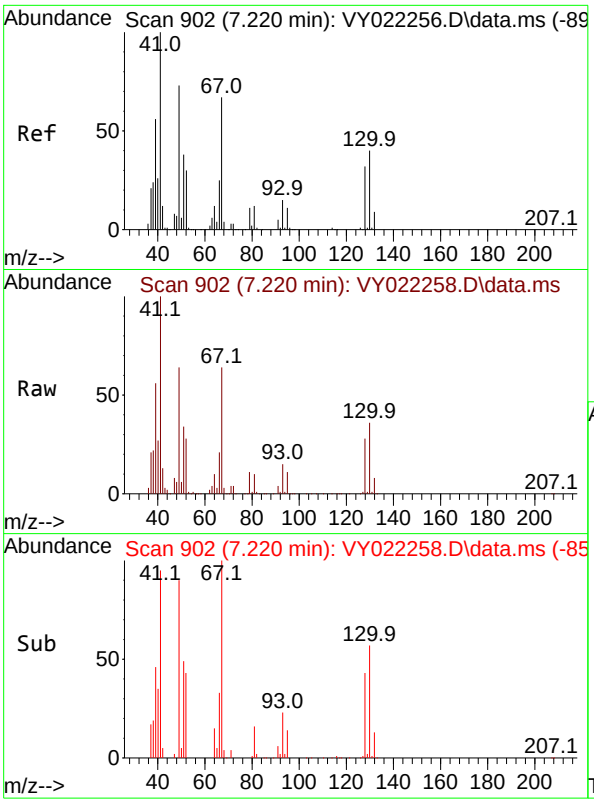


#40
Benzene
Concen: 153.973 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 78 Resp: 1987535

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3

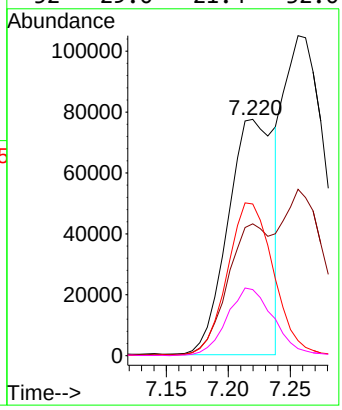




#41
Methacrylonitrile
Concen: 132.161 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 20260

Ion	Ratio	Lower	Upper
41	100		
39	47.7	39.1	58.7
67	64.4	47.1	70.7
52	29.0	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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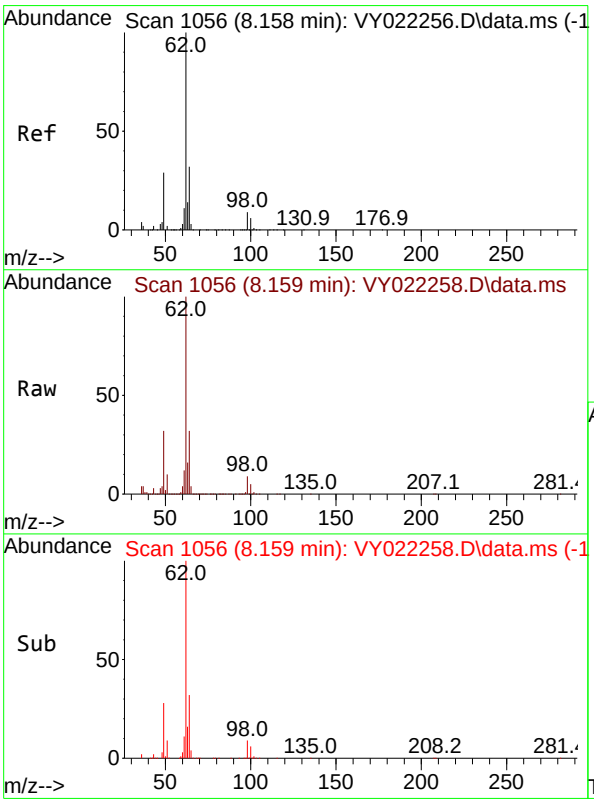
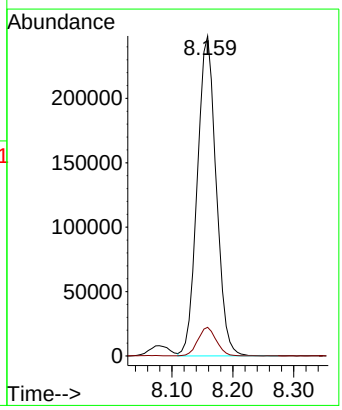
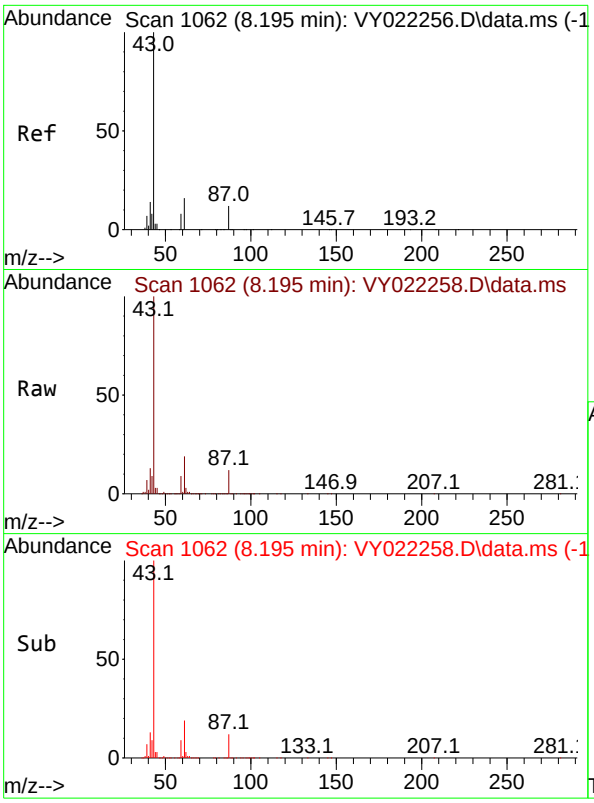


#42
1,2-Dichloroethane
Concen: 153.124 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 62 Resp: 534517

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4





#43
Isopropyl Acetate
Concen: 154.159 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 70436

Ion	Ratio	Lower	Upper
43	100		
61	27.0	15.1	22.7#
87	12.0	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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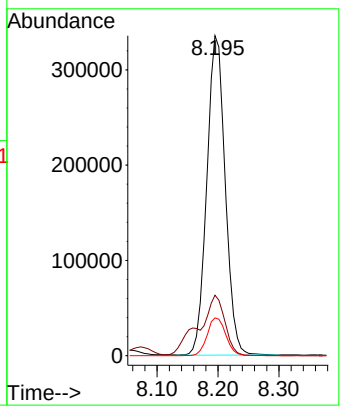
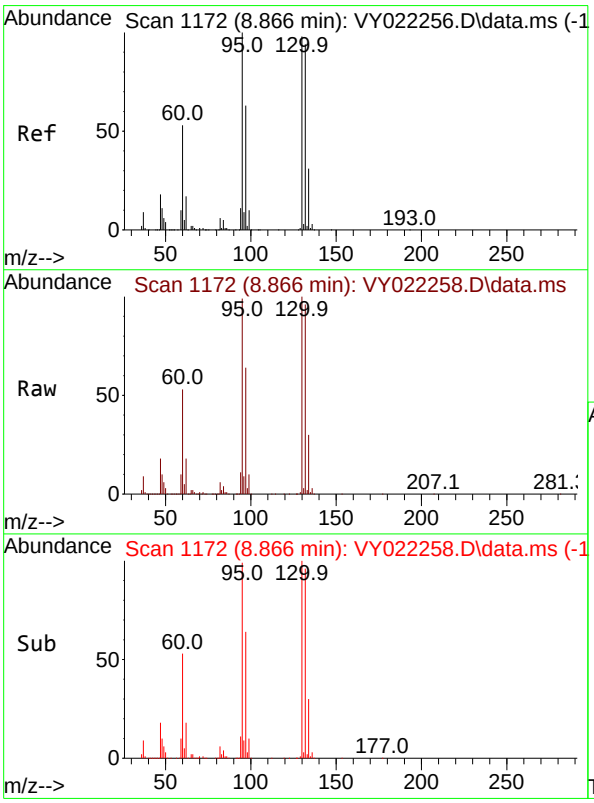
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

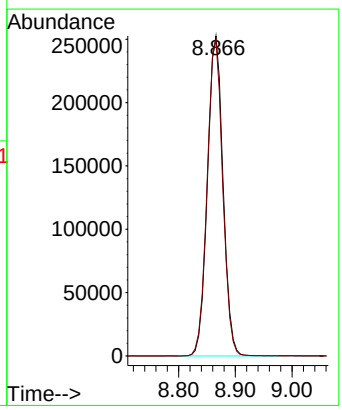


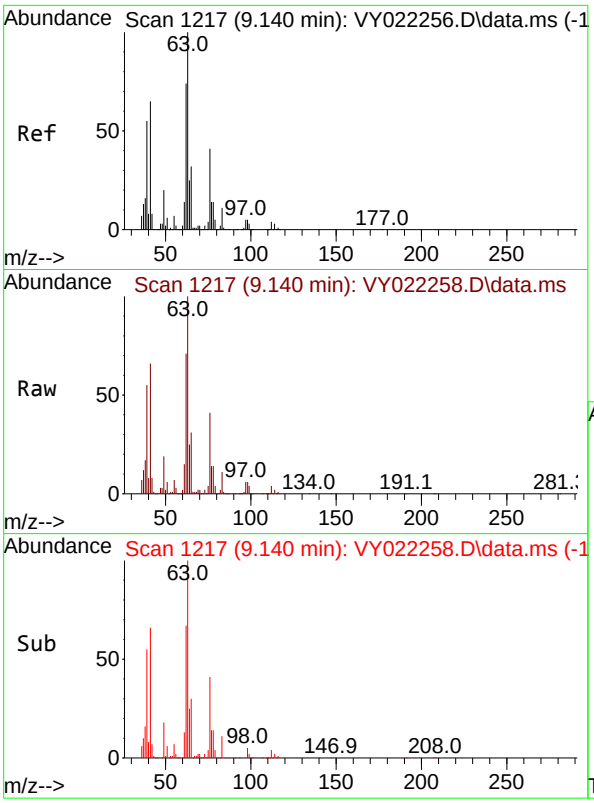


#44
Trichloroethene
Concen: 150.171 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:130 Resp: 481990

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	204.8





#45
1,2-Dichloropropane
Concen: 151.736 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 47221

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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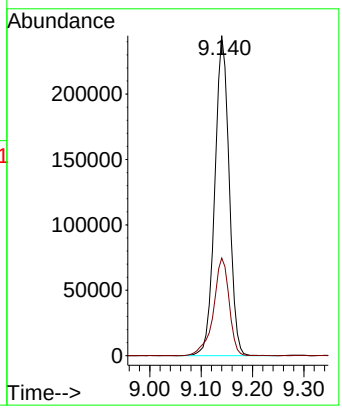
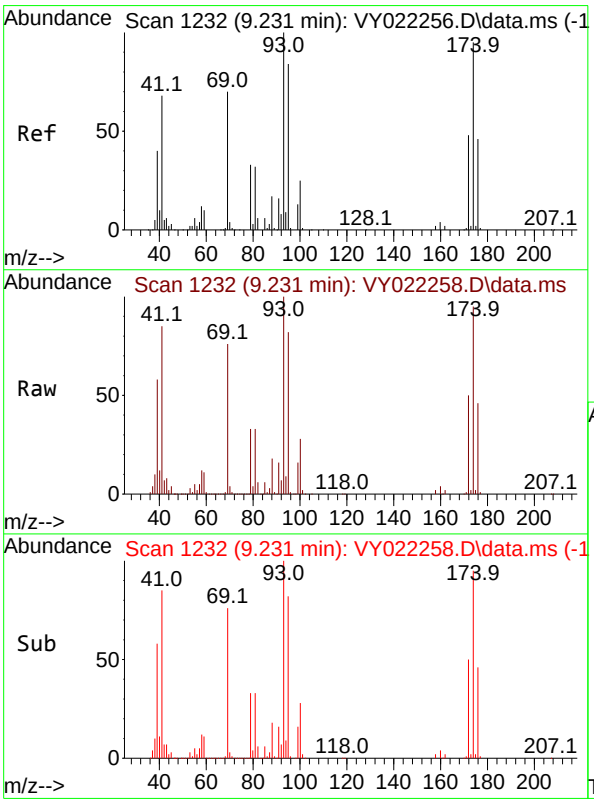
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

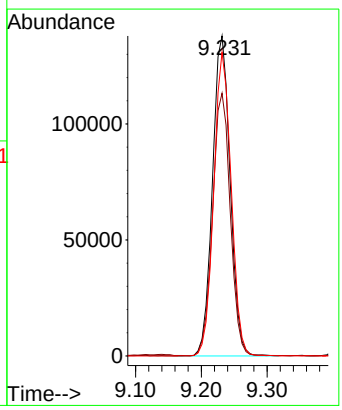


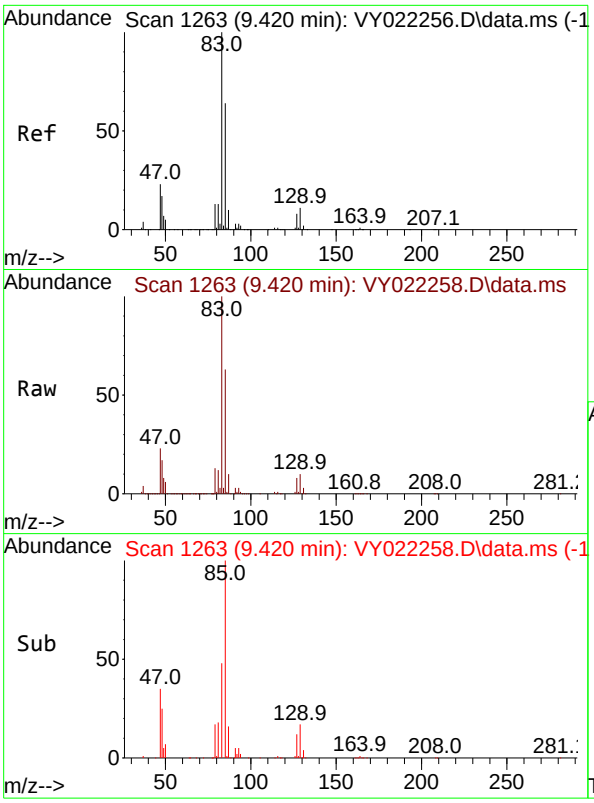


#46
Dibromomethane
Concen: 153.757 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 93 Resp: 258087

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.2	97.8
174	93.5	74.3	111.5

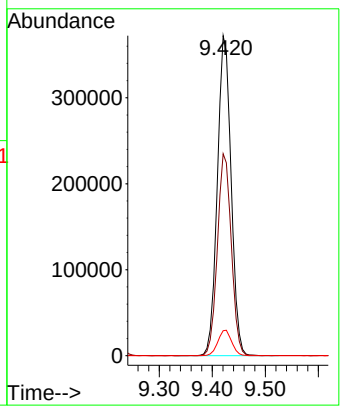




#47
Bromodichloromethane
Concen: 153.824 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 66983

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.8	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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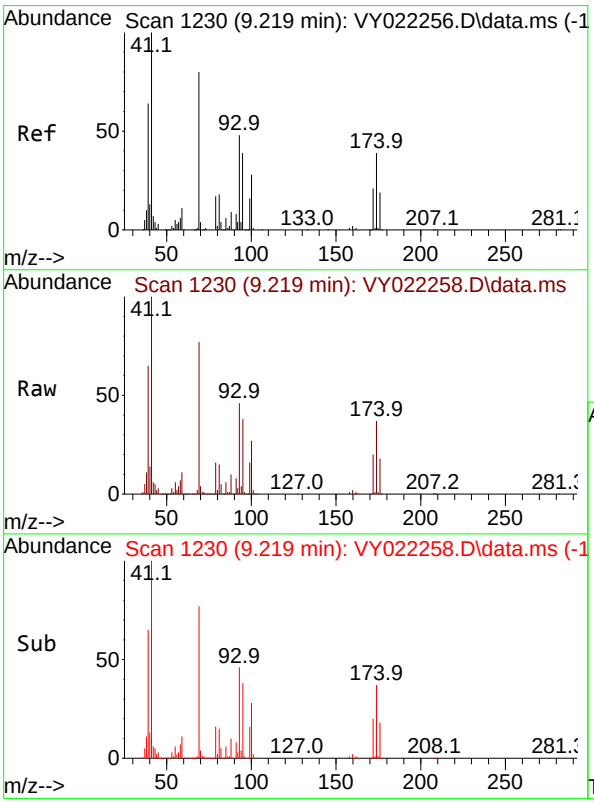
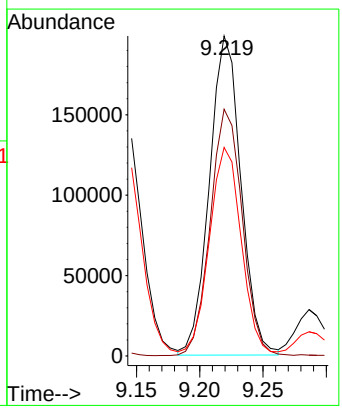
Supervised By :Semsettin Yesilyurt 05/16/2025

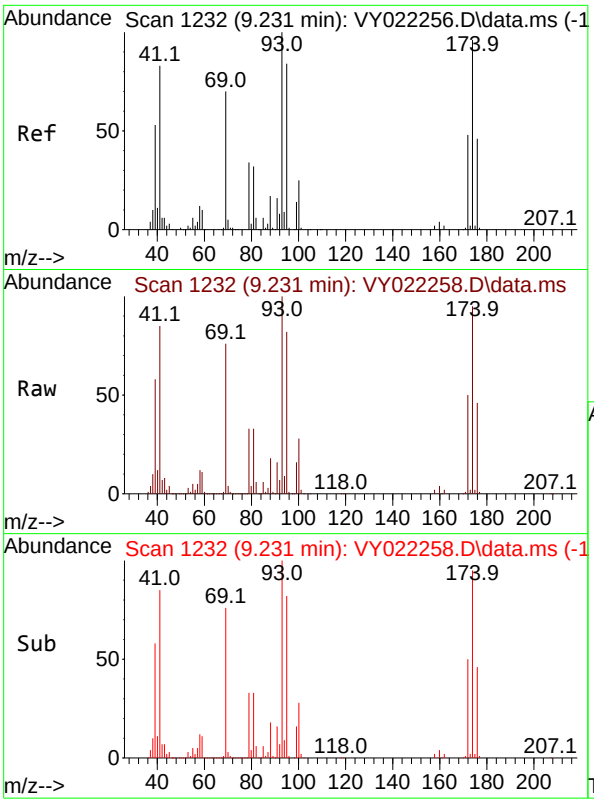


#48
Methyl methacrylate
Concen: 161.060 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 41 Resp: 344147

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.5	95.3
39	64.1	50.8	76.2

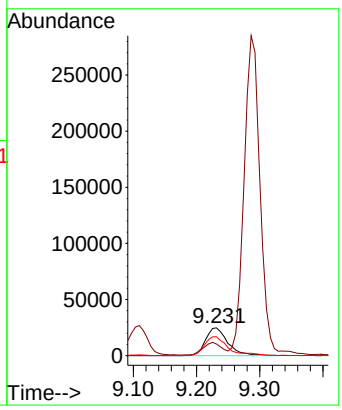




#49
1,4-Dioxane
Concen: 3217.888 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 88 Resp: 6101

Ion	Ratio	Lower	Upper
88	100		
43	36.9	28.5	42.7
58	71.3	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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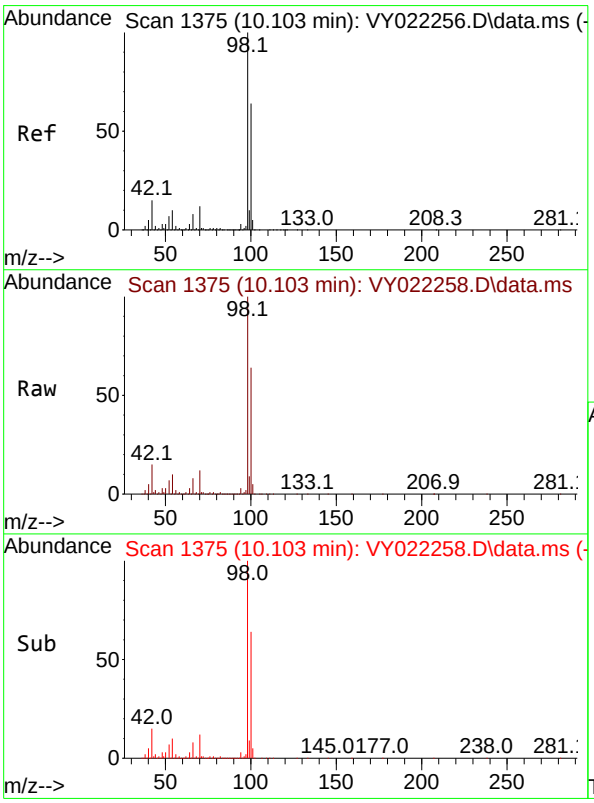
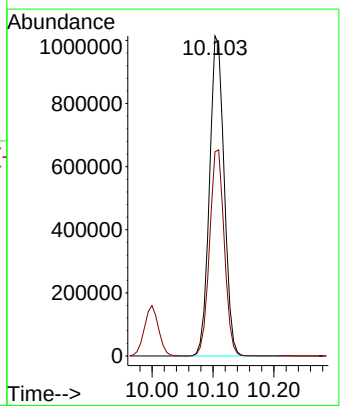
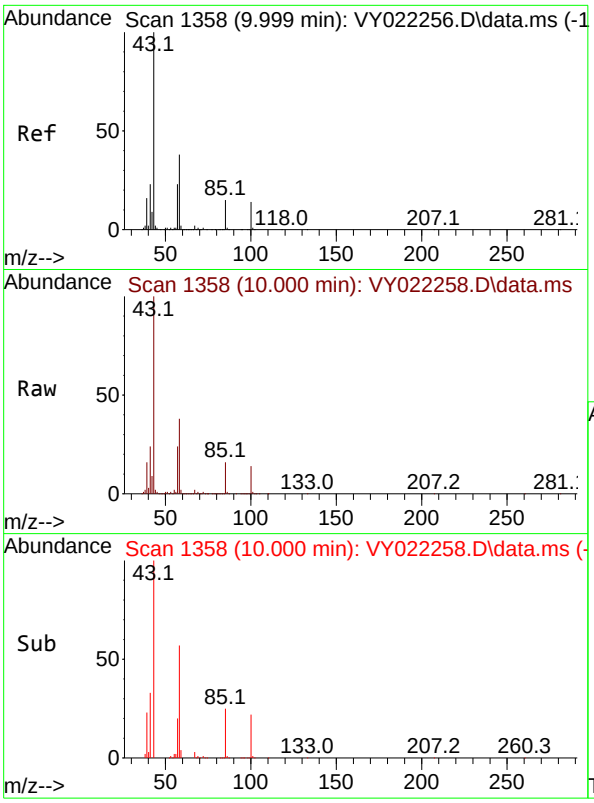


#50
Toluene-d8
Concen: 156.065 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 98 Resp: 1689714

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8

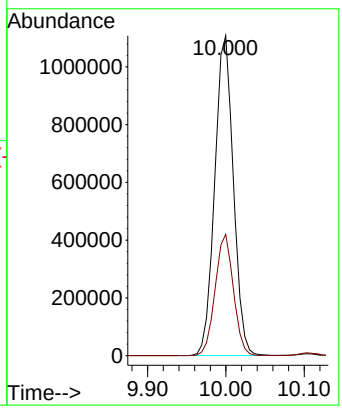




#51
4-Methyl-2-Pentanone
Concen: 815.822 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 182901

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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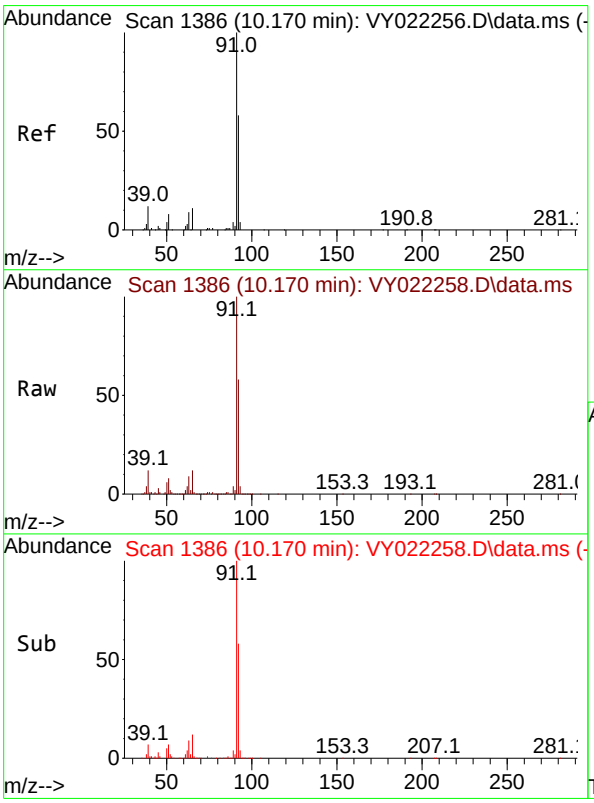
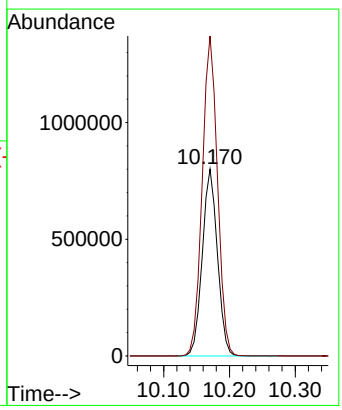
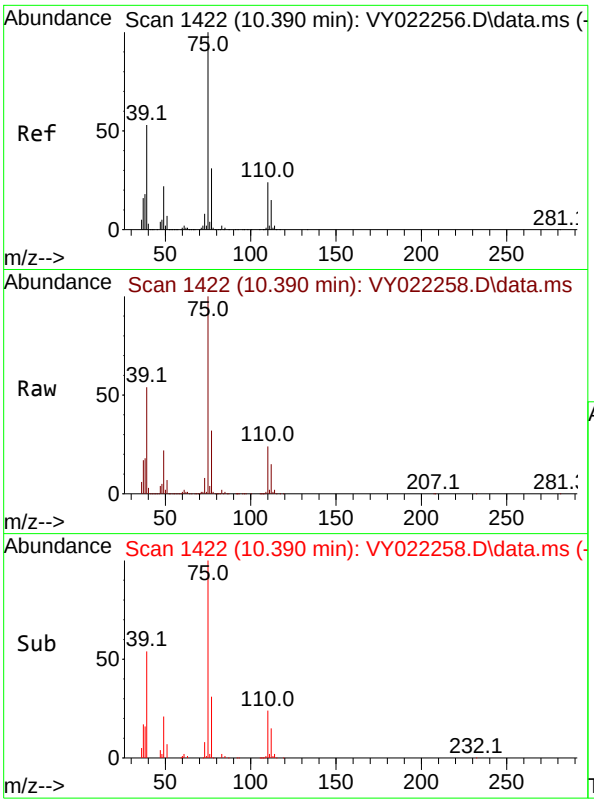


#52
Toluene
Concen: 156.216 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 92 Resp: 1276917

Ion	Ratio	Lower	Upper
92	100		
91	173.1	139.1	208.7

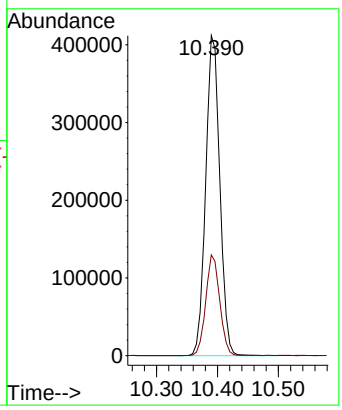




#53
t-1,3-Dichloropropene
Concen: 156.134 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 66351

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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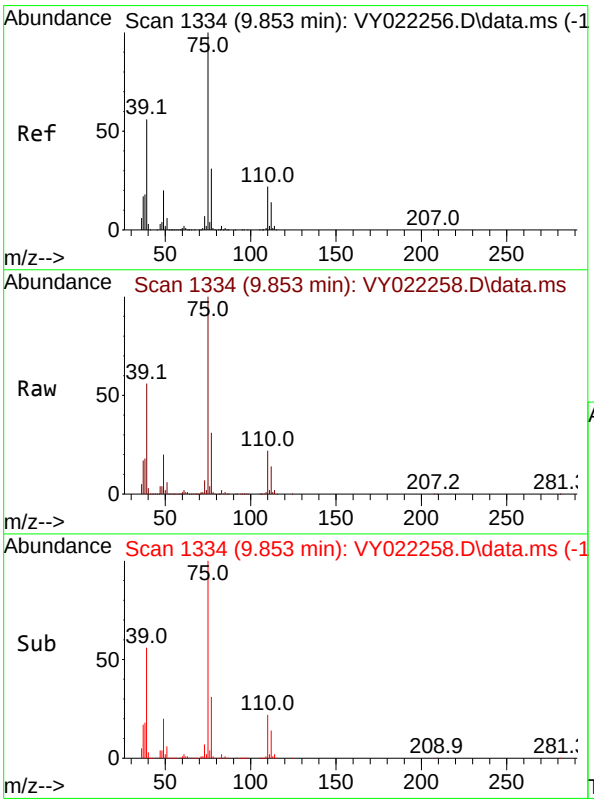
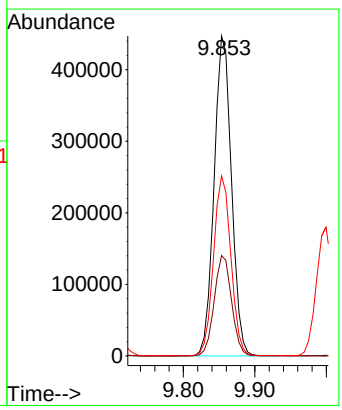
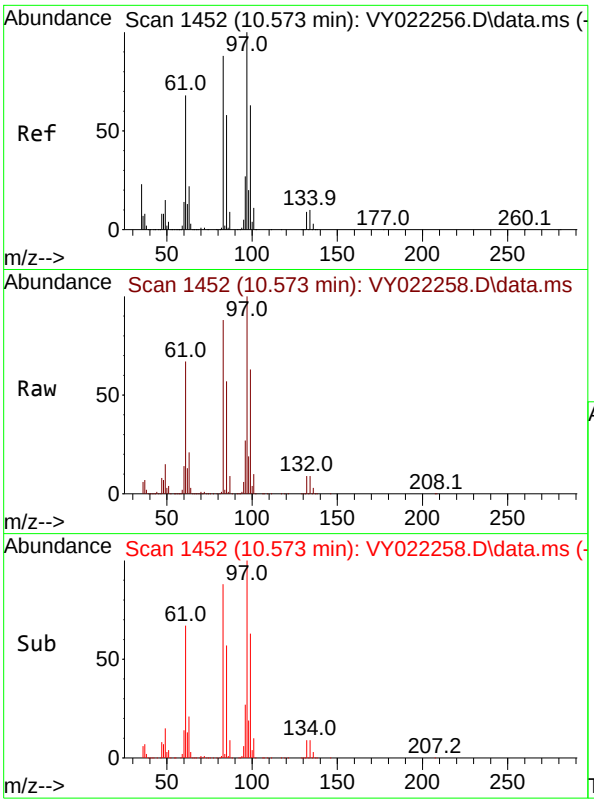


#54
cis-1,3-Dichloropropene
Concen: 154.963 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 754493

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	56.2	44.5	66.7

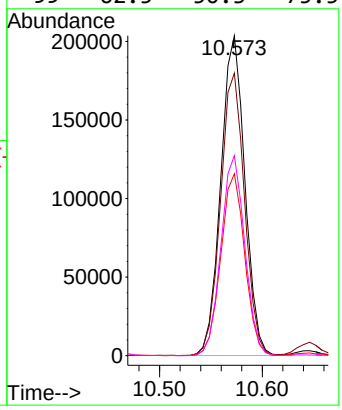




#55
1,1,2-Trichloroethane
Concen: 153.863 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 97 Resp: 33071

Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.3	105.5
85	56.8	46.2	69.4
99	62.5	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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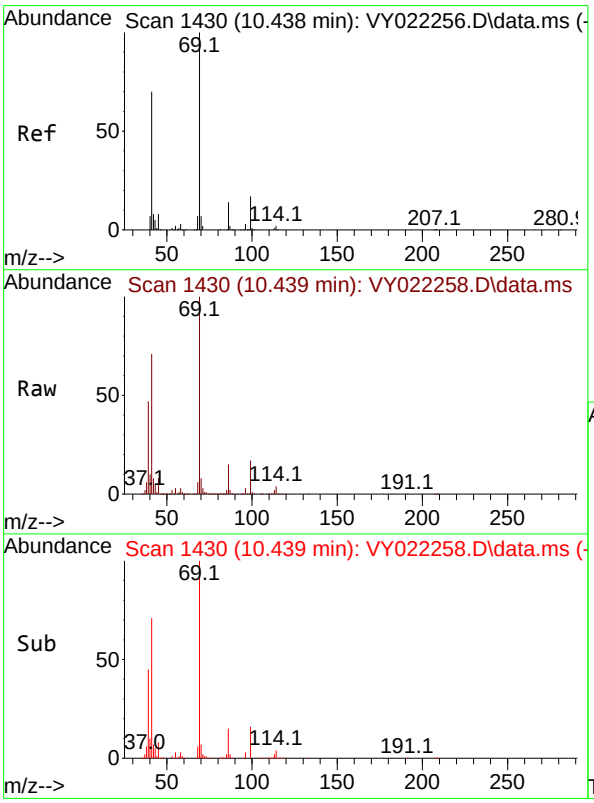
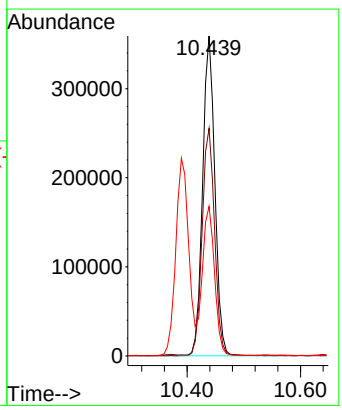
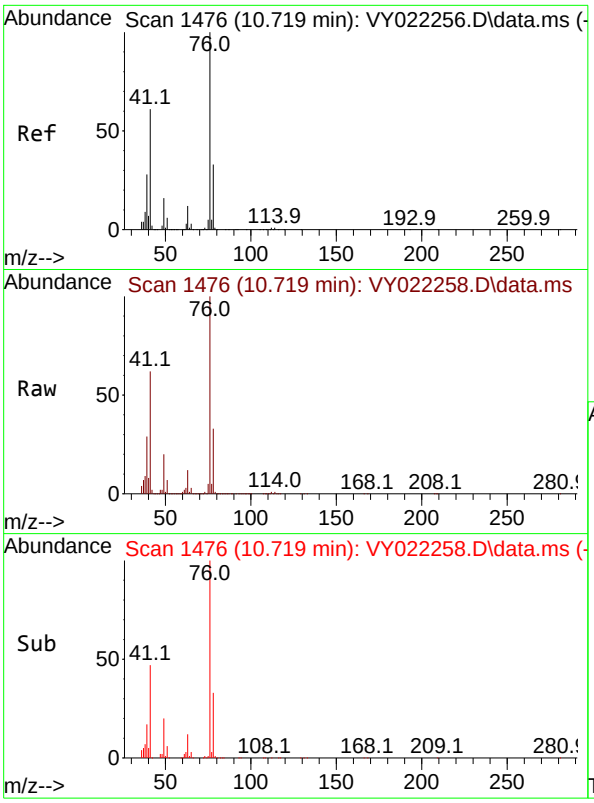


#56
Ethyl methacrylate
Concen: 160.058 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 69 Resp: 535897

Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.5	84.7
39	46.8	37.1	55.7





#57
1,3-Dichloropropane
Concen: 152.987 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 76 Resp: 58425

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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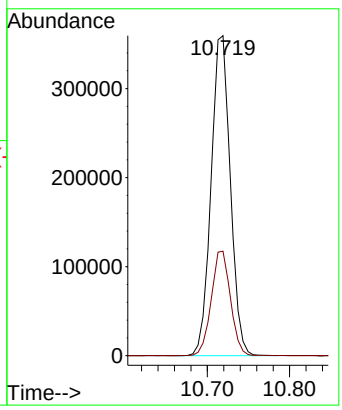
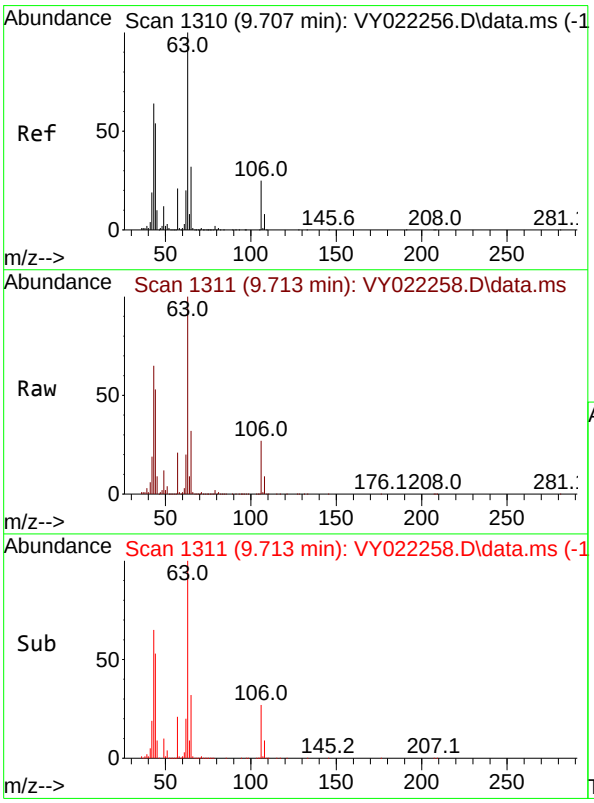
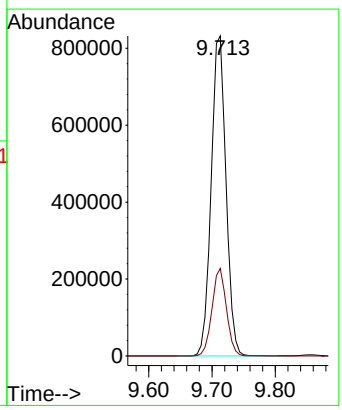


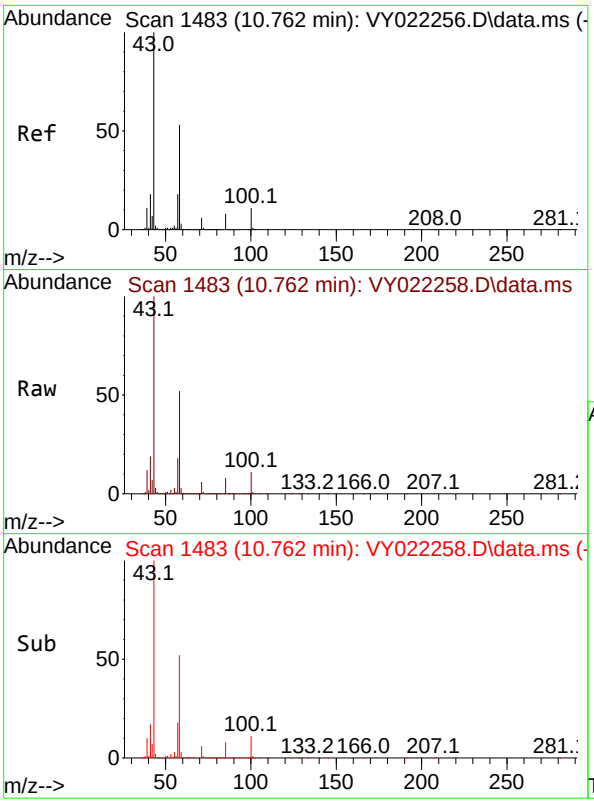


#58
2-Chloroethyl Vinyl ether
Concen: 898.675 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 63 Resp: 1350536

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.0	31.4

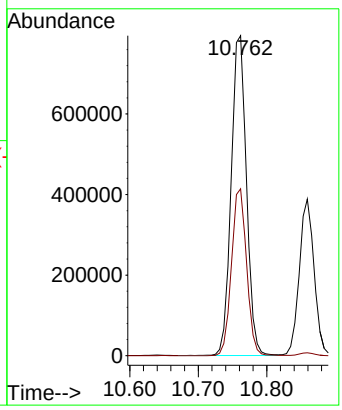




#59
2-Hexanone
Concen: 816.860 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 122788

Ion	Ratio	Lower	Upper
43	100		
58	51.7	26.1	78.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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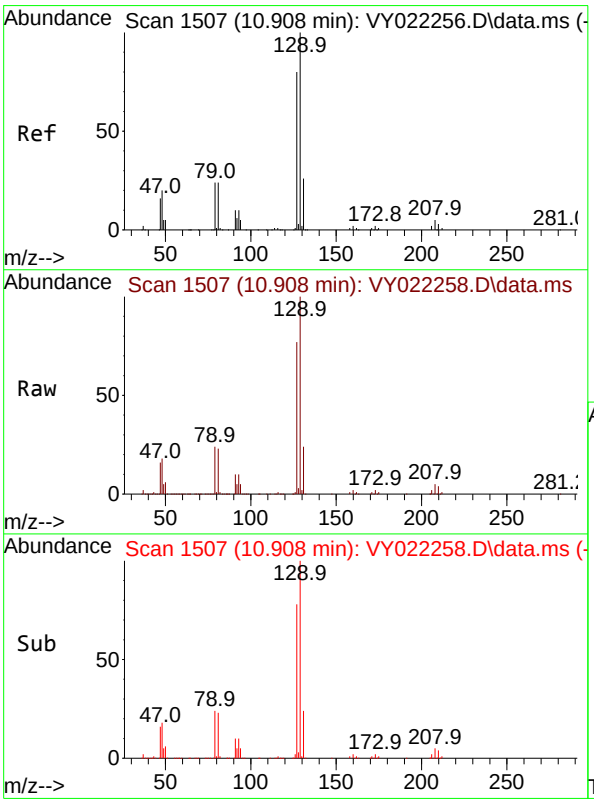
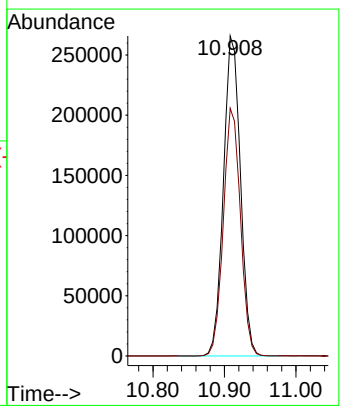
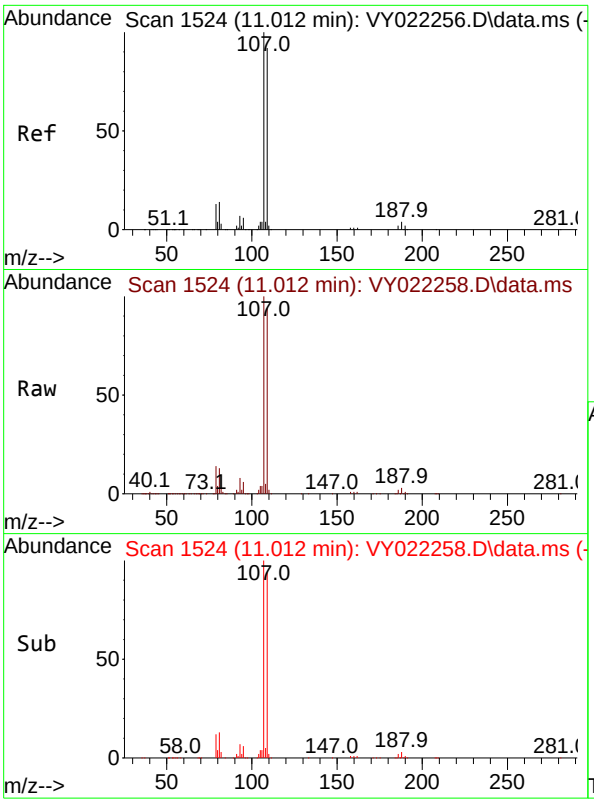


#60
Dibromochloromethane
Concen: 157.237 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:129 Resp: 438666

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	115.7

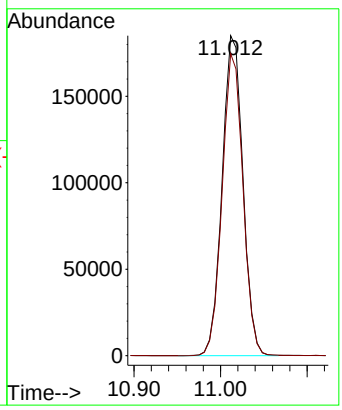




#61
1,2-Dibromoethane
Concen: 154.008 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:107 Resp: 30852

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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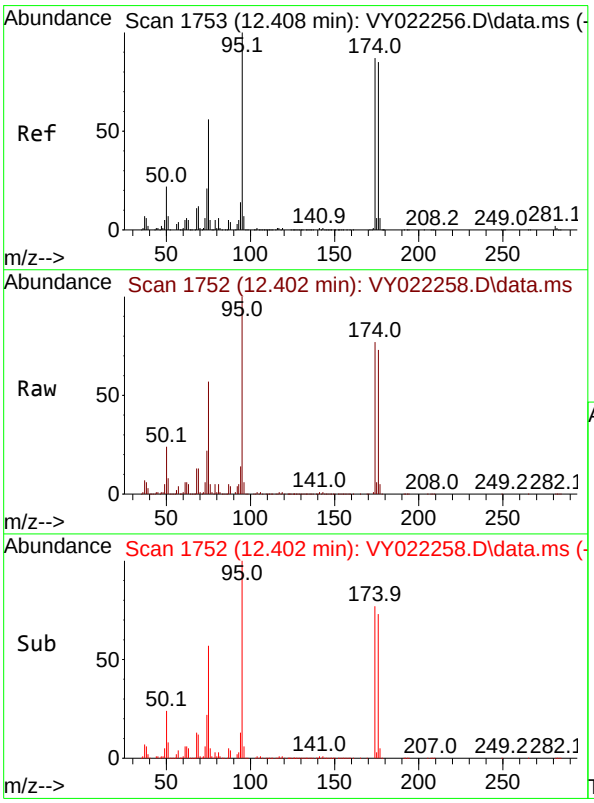
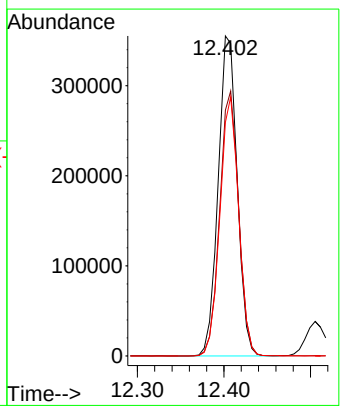
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

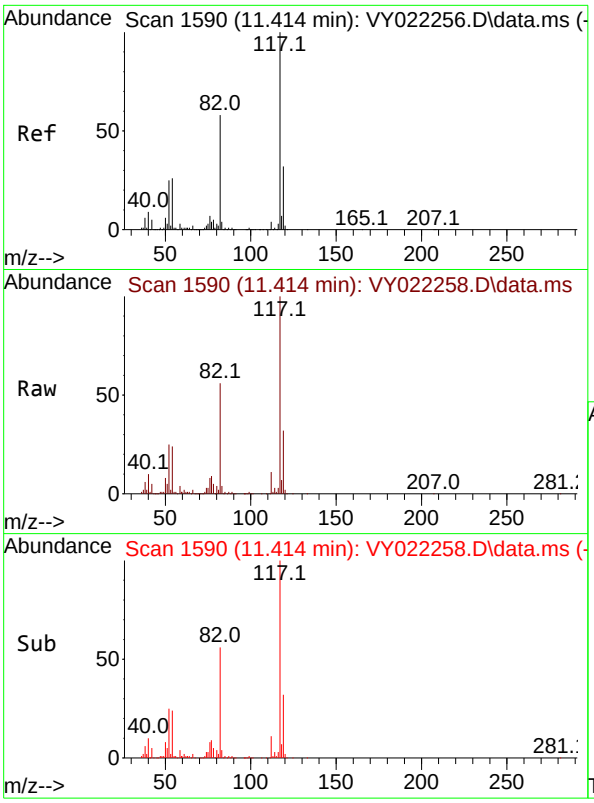


#62
4-Bromofluorobenzene
Concen: 157.751 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 95 Resp: 541367

Ion	Ratio	Lower	Upper
95	100		
174	82.5	0.0	166.8
176	79.8	0.0	160.8

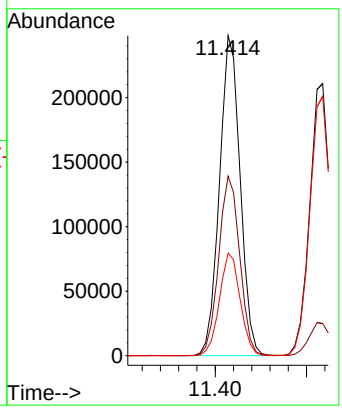




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 38976

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.6	70.0
119	32.0	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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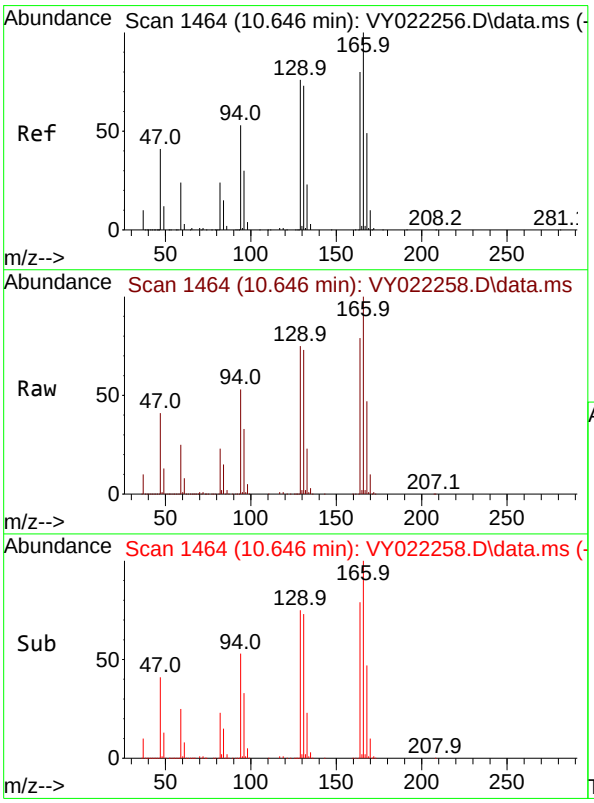
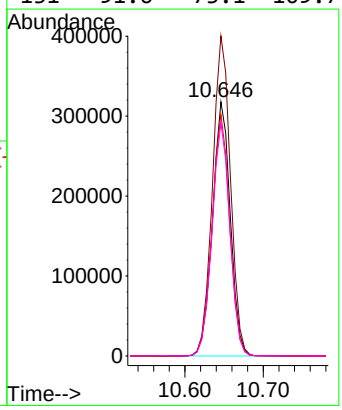
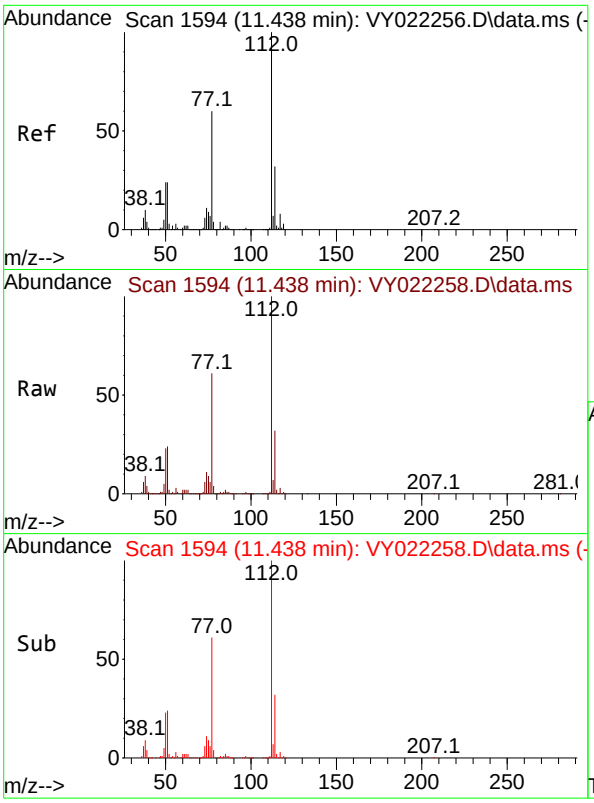


#64
Tetrachloroethene
Concen: 139.237 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:164 Resp: 501627

Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.4	150.6
129	94.9	76.4	114.6
131	91.6	73.1	109.7

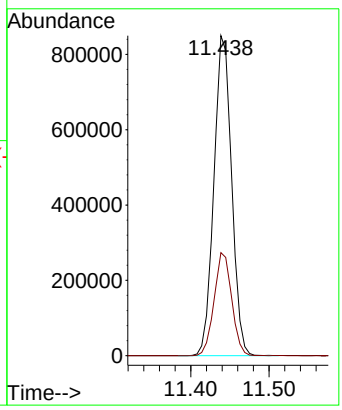




#65
Chlorobenzene
Concen: 151.997 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:112 Resp: 133659

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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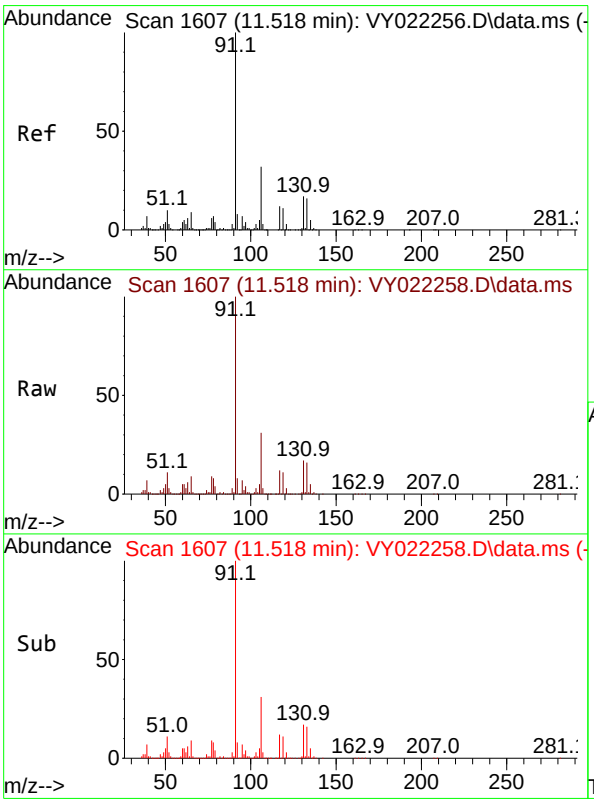
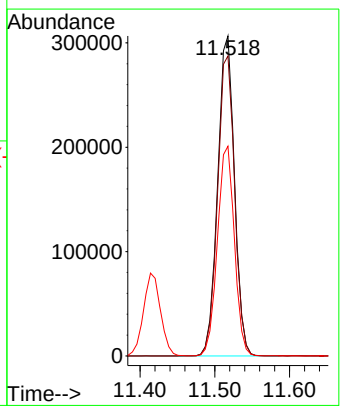
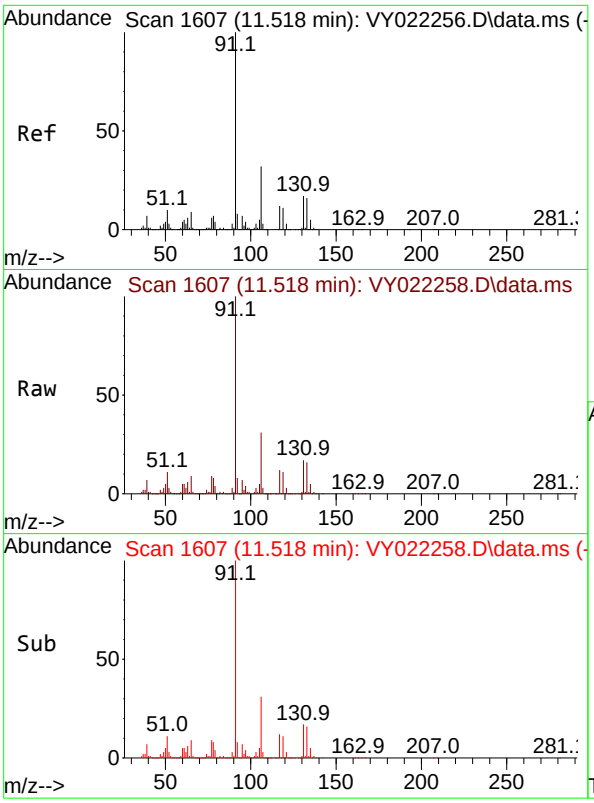


#66
1,1,1,2-Tetrachloroethane
Concen: 158.952 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:131 Resp: 480525

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	141.9
119	66.2	33.1	99.2

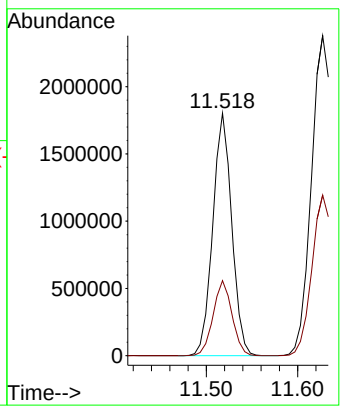




#67
Ethyl Benzene
Concen: 157.756 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 259802

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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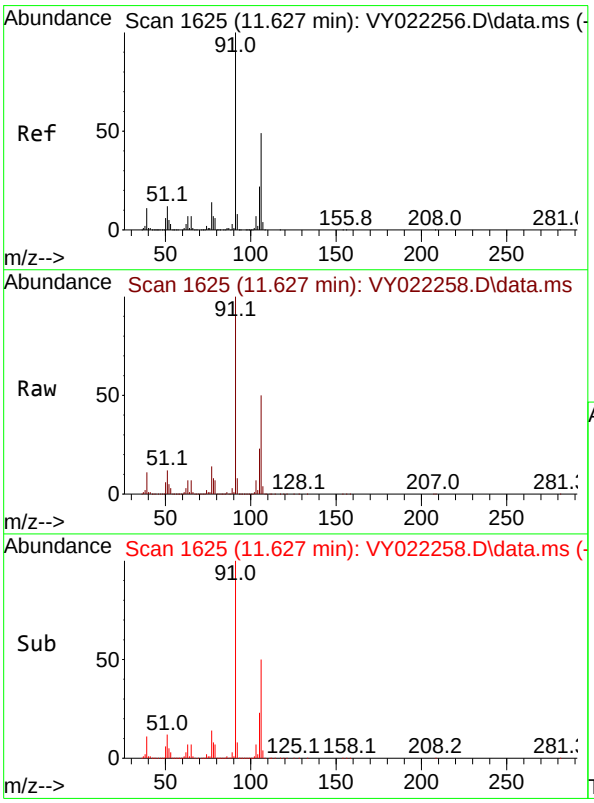
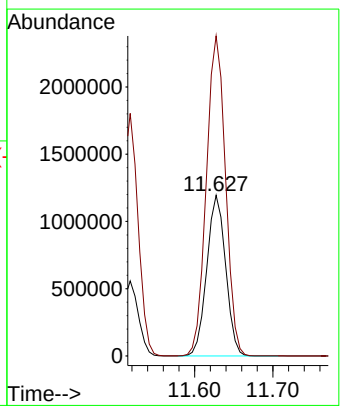
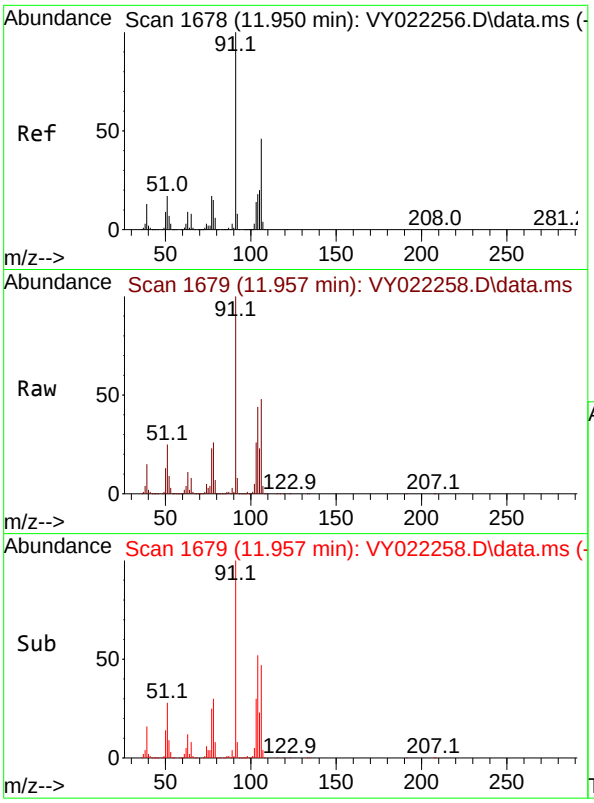


#68
m/p-Xylenes
Concen: 321.066 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:106 Resp: 1992413

Ion	Ratio	Lower	Upper
106	100		
91	202.7	163.0	244.4

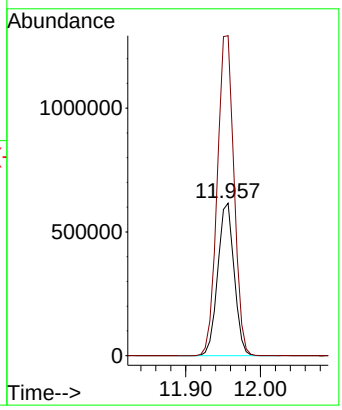




#69
o-Xylene
Concen: 159.714 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:106 Resp: 93772

Ion	Ratio	Lower	Upper
106	100		
91	214.6	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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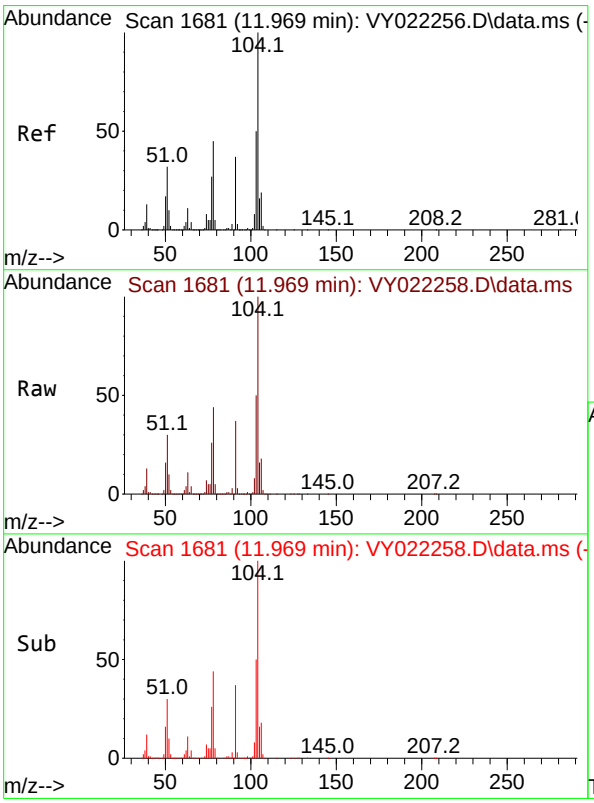
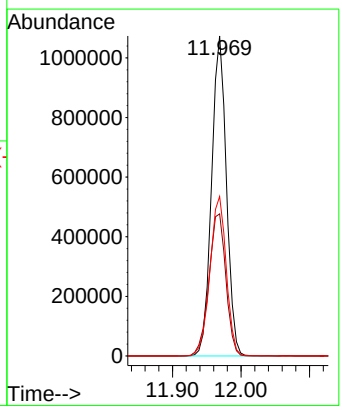
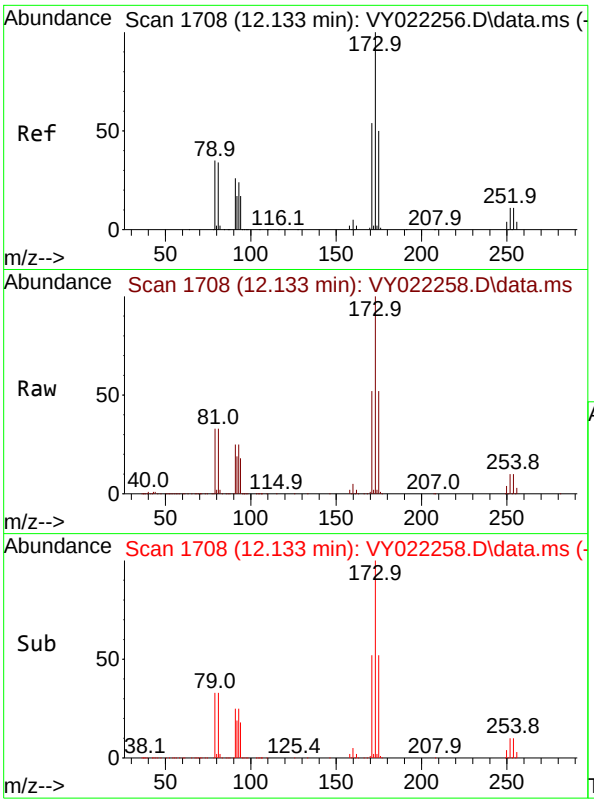


#70
Styrene
Concen: 162.944 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:104 Resp: 1613798

Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.9	61.3
103	54.7	43.7	65.5

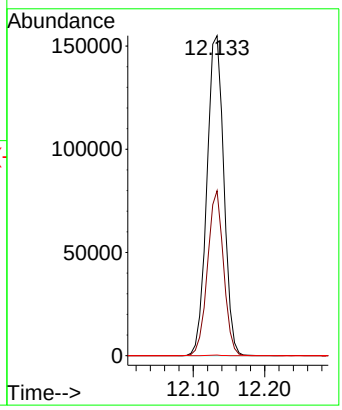




#71
Bromoform
Concen: 155.818 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:173 Resp: 25425

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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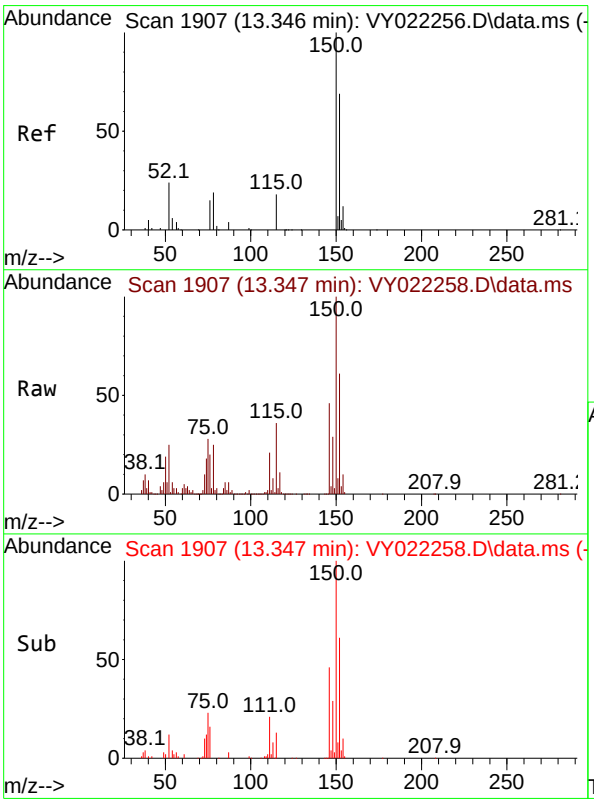
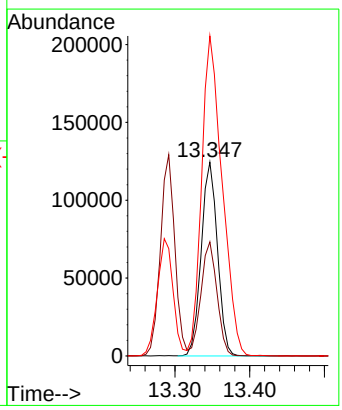
Supervised By :Semsettin Yesilyurt 05/16/2025

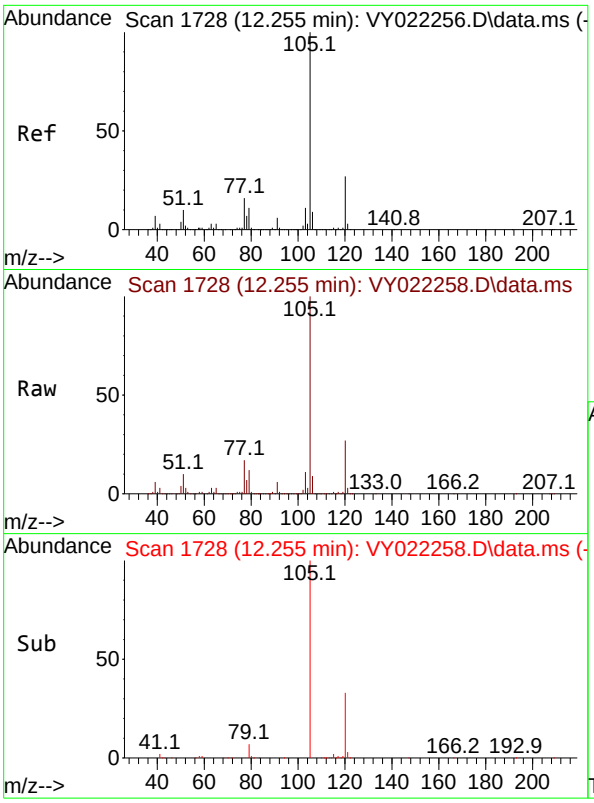


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:152 Resp: 187978

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	208.7	0.0	353.8

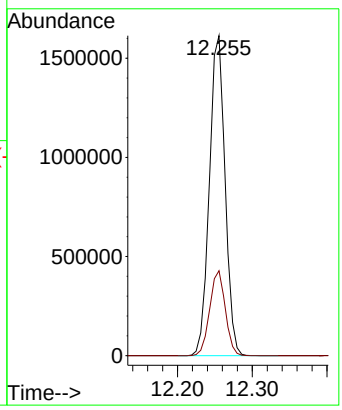




#73
Isopropylbenzene
Concen: 151.387 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 235756

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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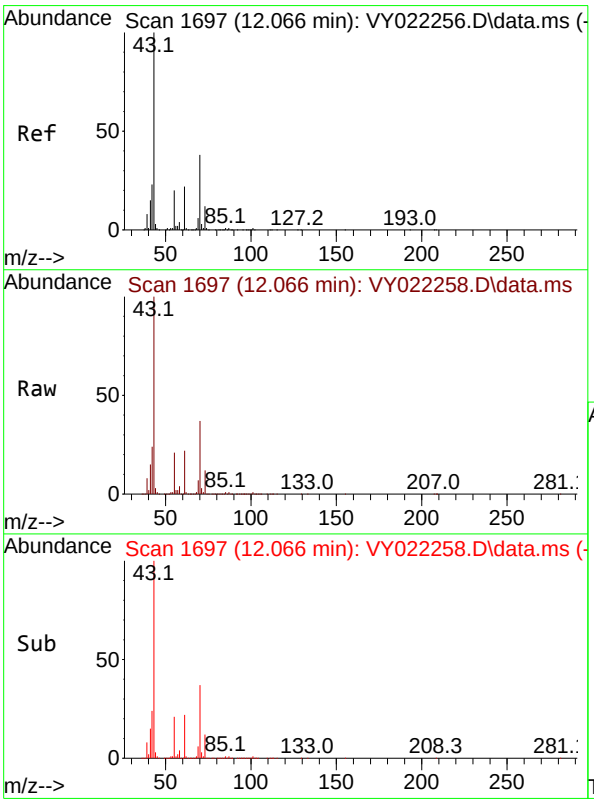
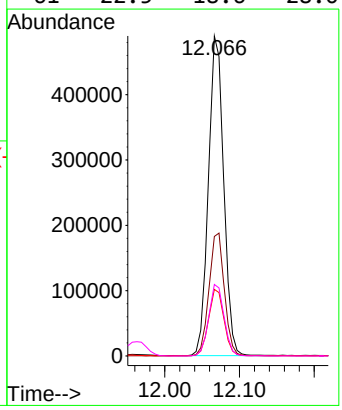
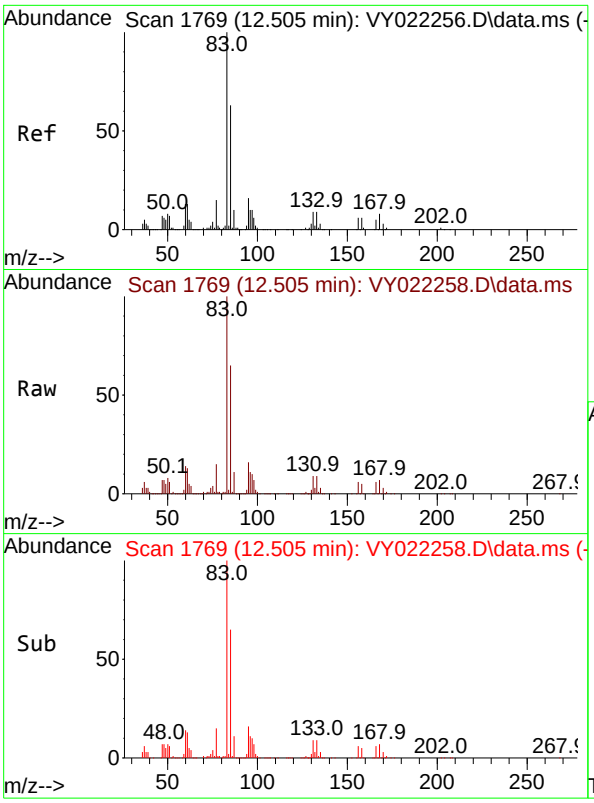


#74
N-amyl acetate
Concen: 156.041 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 43 Resp: 694999

Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.4	47.0
55	21.0	17.0	25.6
61	22.5	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 156.735 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 83 Resp: 37537

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	63.8	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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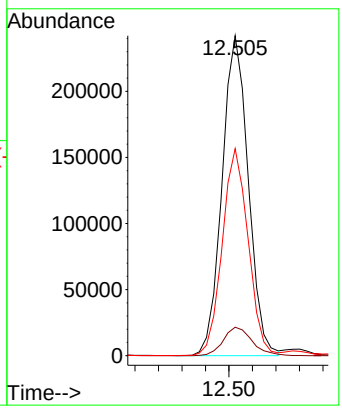
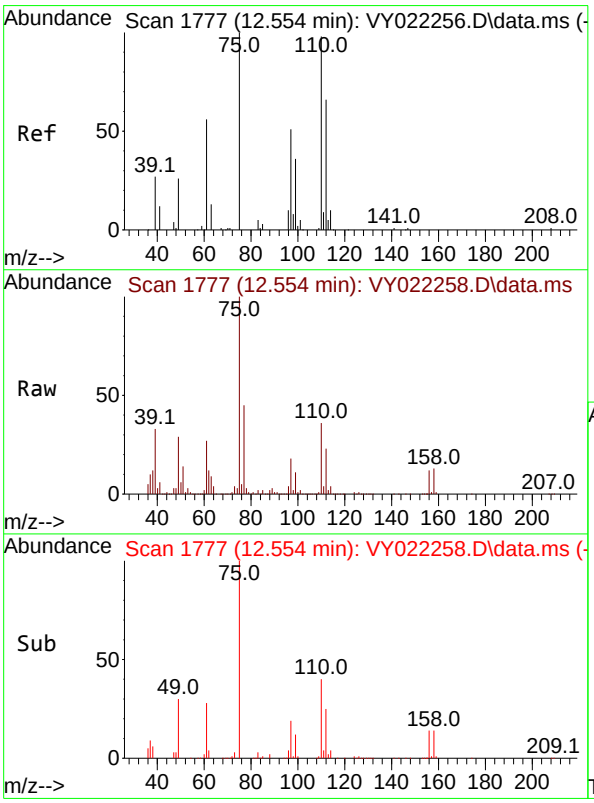
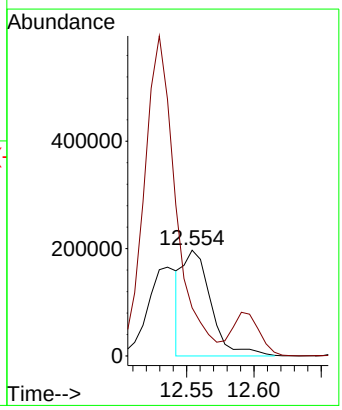


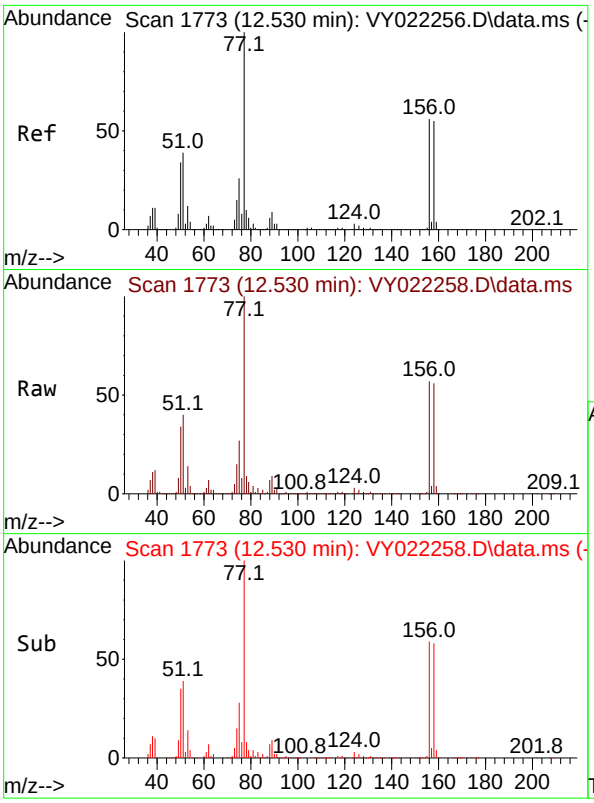


#76
1,2,3-Trichloropropane
Concen: 87.525 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 289968

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

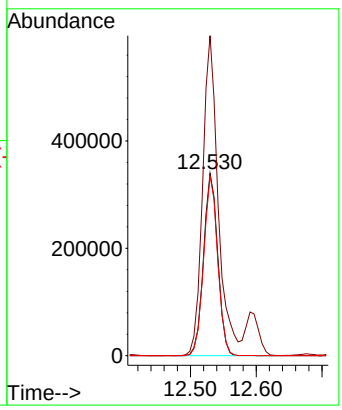




#77
Bromobenzene
Concen: 153.206 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:156 Resp: 50957

Ion	Ratio	Lower	Upper
156	100		
77	191.5	94.5	283.6
158	97.3	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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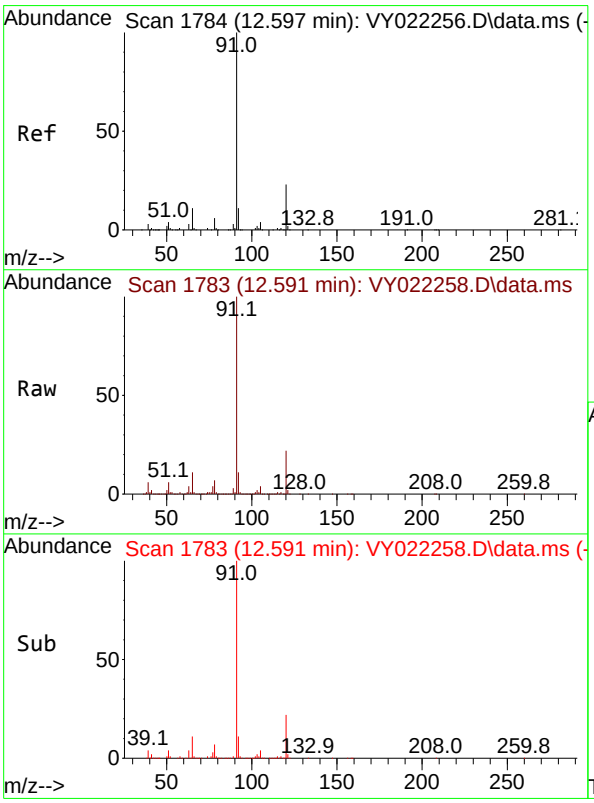
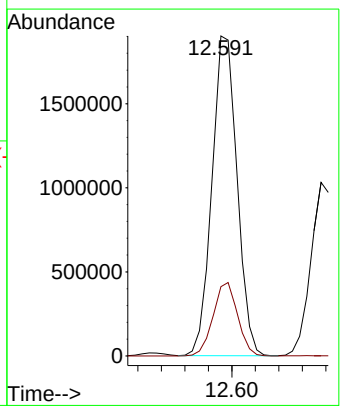
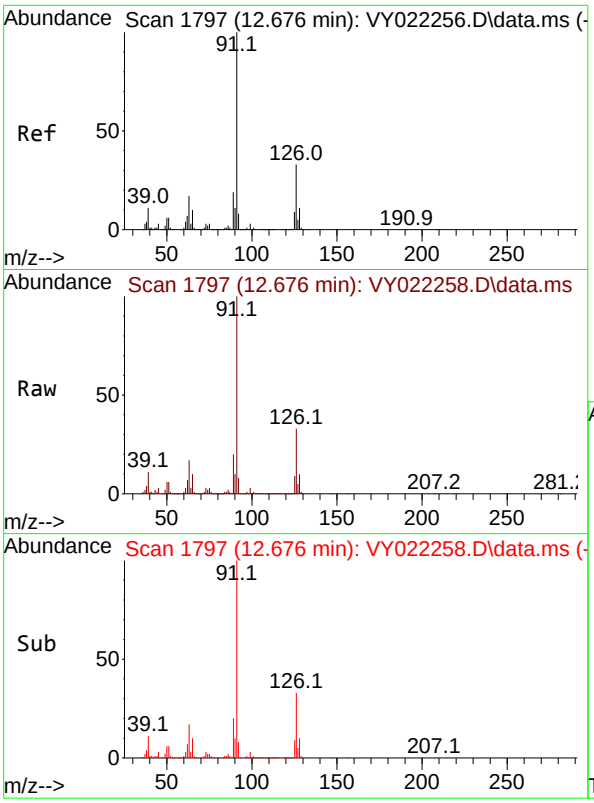


#78
n-propylbenzene
Concen: 150.276 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 2822794

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3

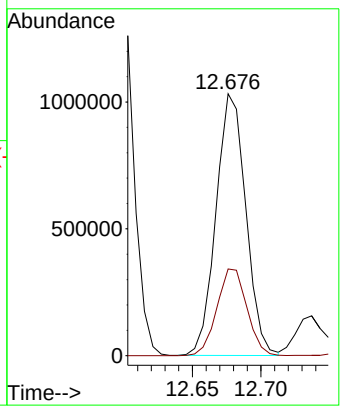




#79
2-Chlorotoluene
Concen: 151.415 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 156300

Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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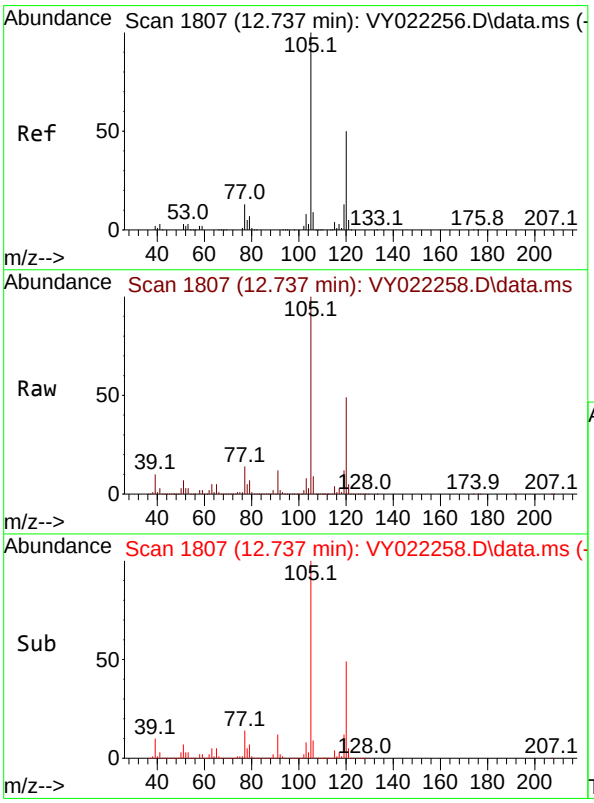
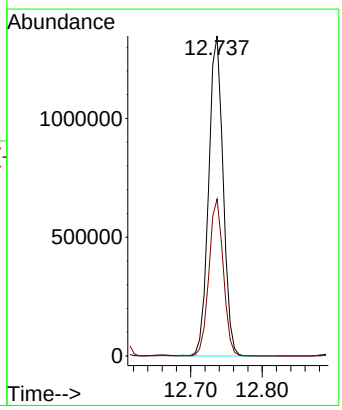
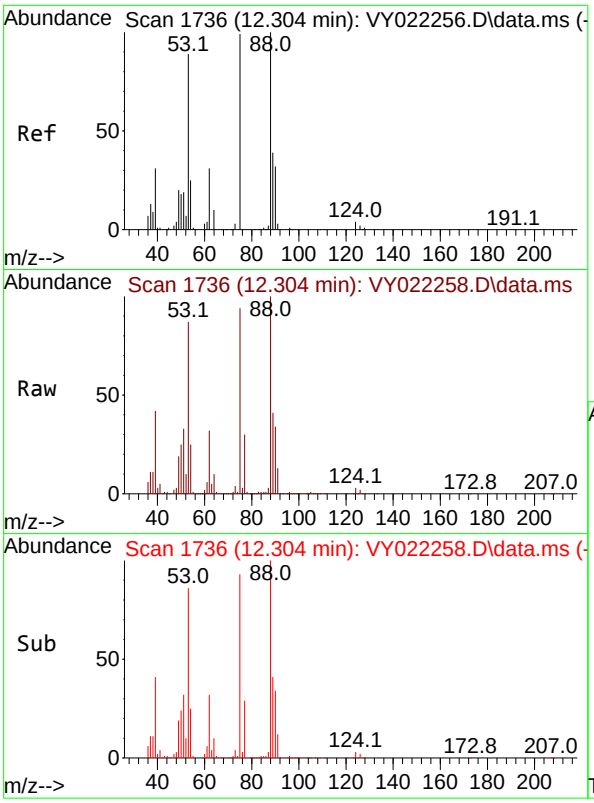


#80
1,3,5-Trimethylbenzene
Concen: 150.219 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1888432

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 148.846 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

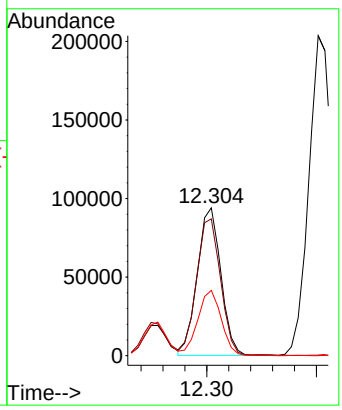
Tgt Ion: 75 Resp: 13993

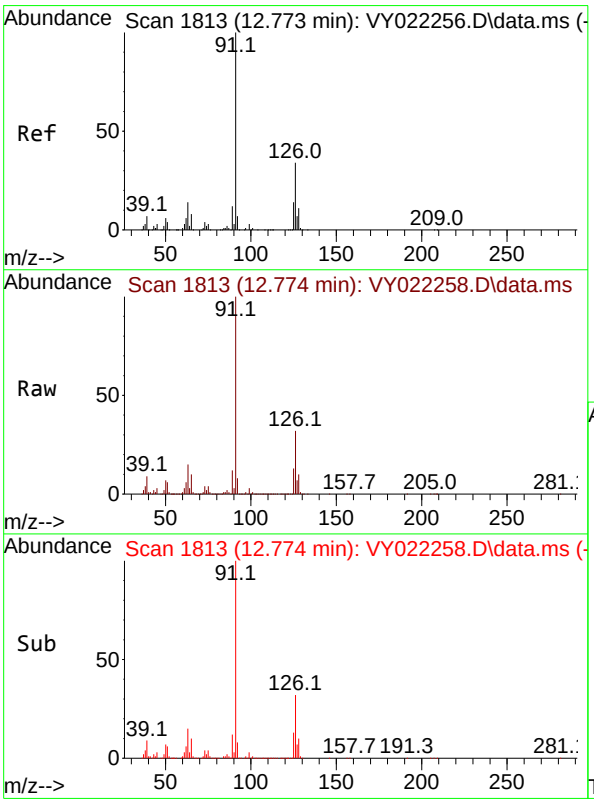
Ion	Ratio	Lower	Upper
75	100		
53	95.1	75.8	113.8
89	44.4	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

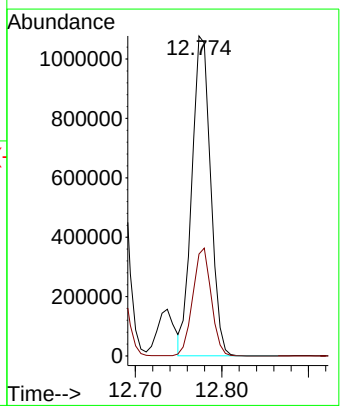


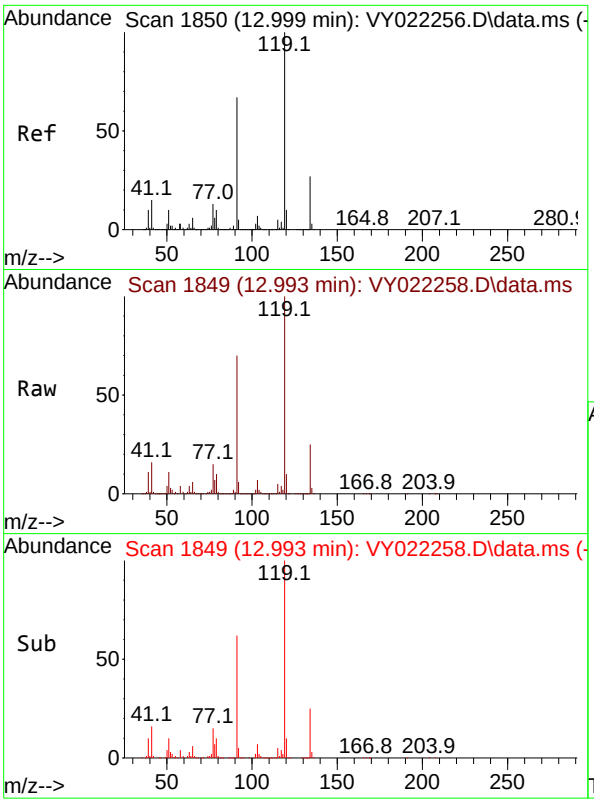


#82
4-Chlorotoluene
Concen: 152.250 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 91 Resp: 1616520

Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.8	50.4

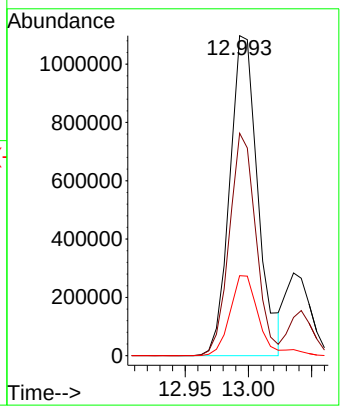




#83
tert-Butylbenzene
Concen: 152.144 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:119 Resp: 169996

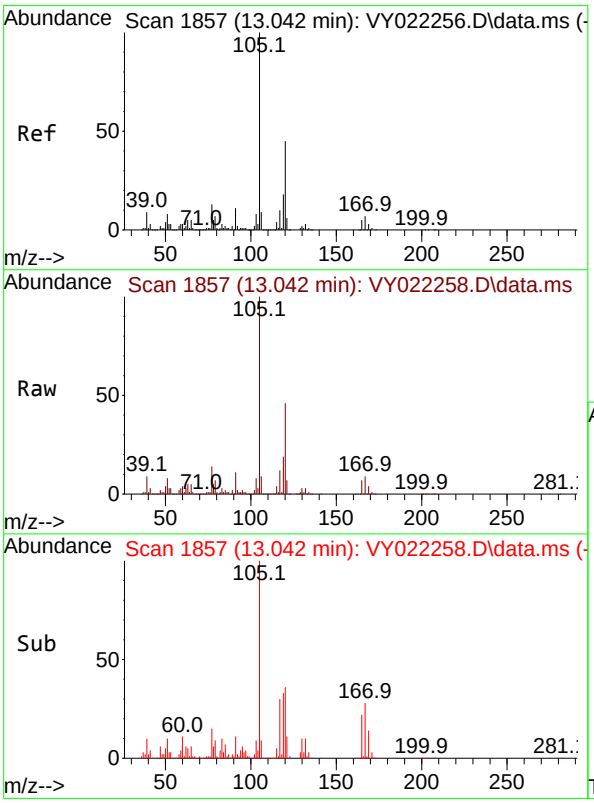
Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.8	98.3
134	25.9	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

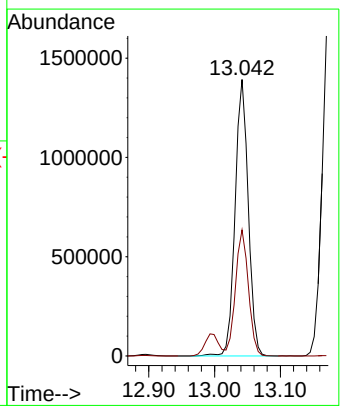
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

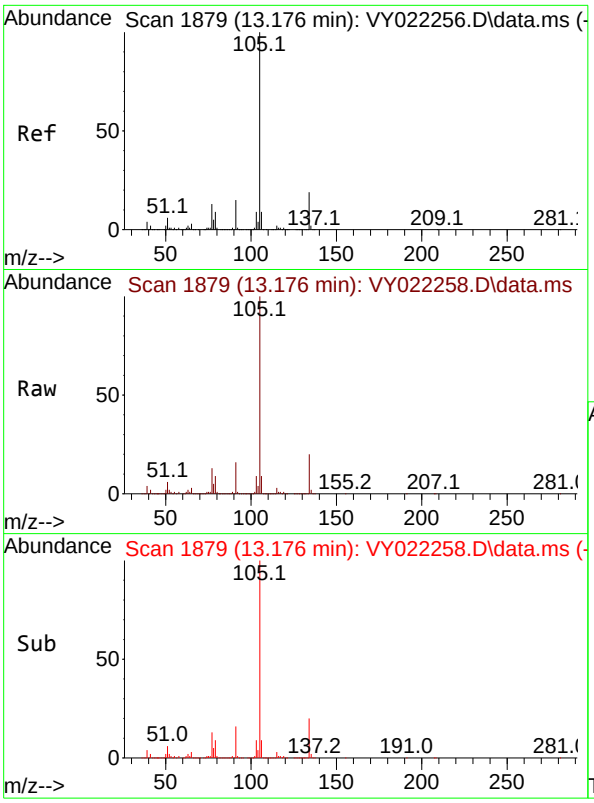


#84
1,2,4-Trimethylbenzene
Concen: 155.030 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 1934641

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9

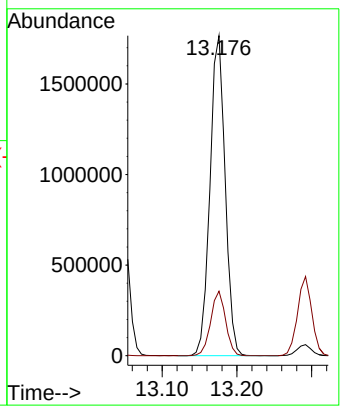




#85
sec-Butylbenzene
Concen: 150.330 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:105 Resp: 249339

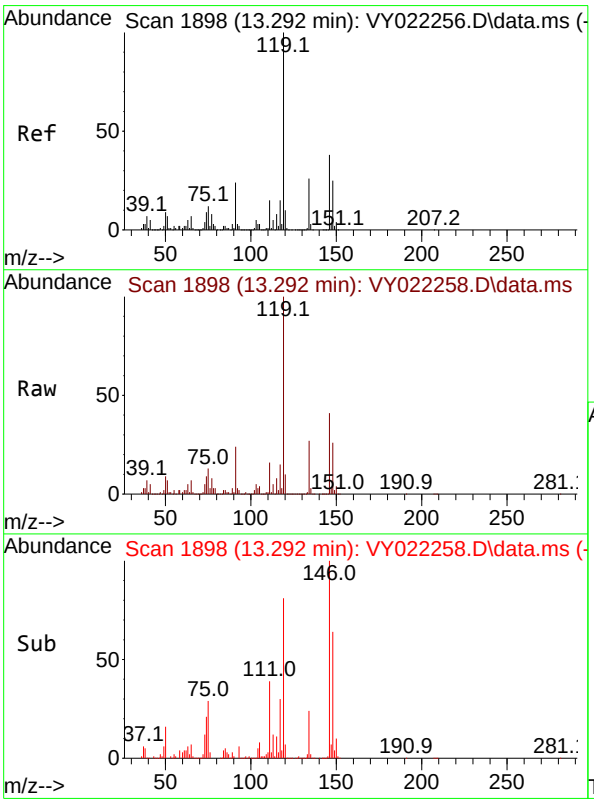
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

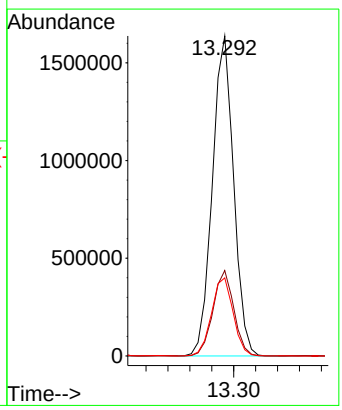
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

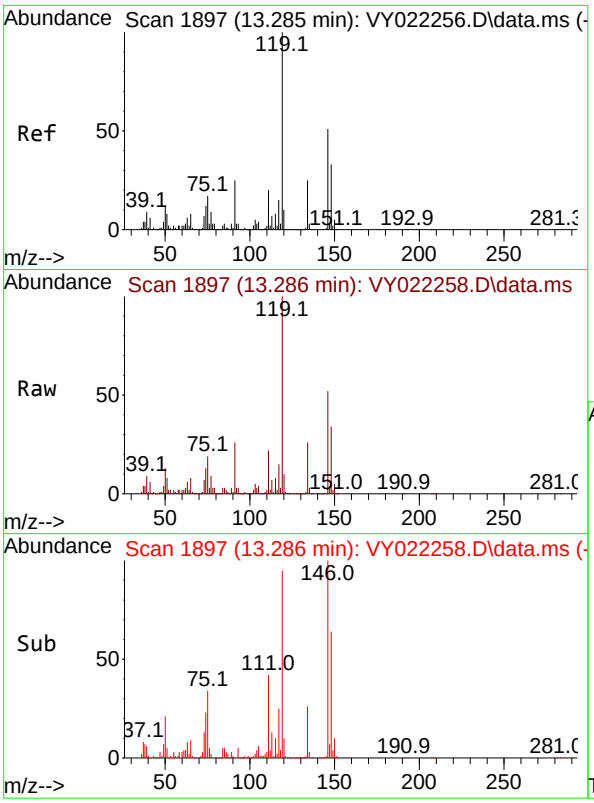


#86
p-Isopropyltoluene
Concen: 158.088 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:119 Resp: 2205275

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	24.8	12.1	36.3

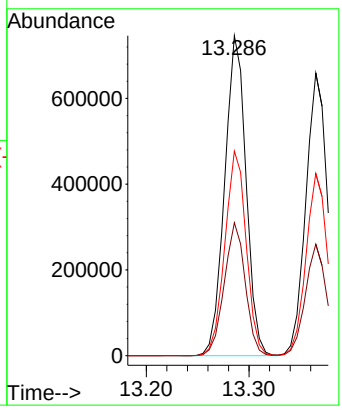




#87
1,3-Dichlorobenzene
Concen: 158.981 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 107947

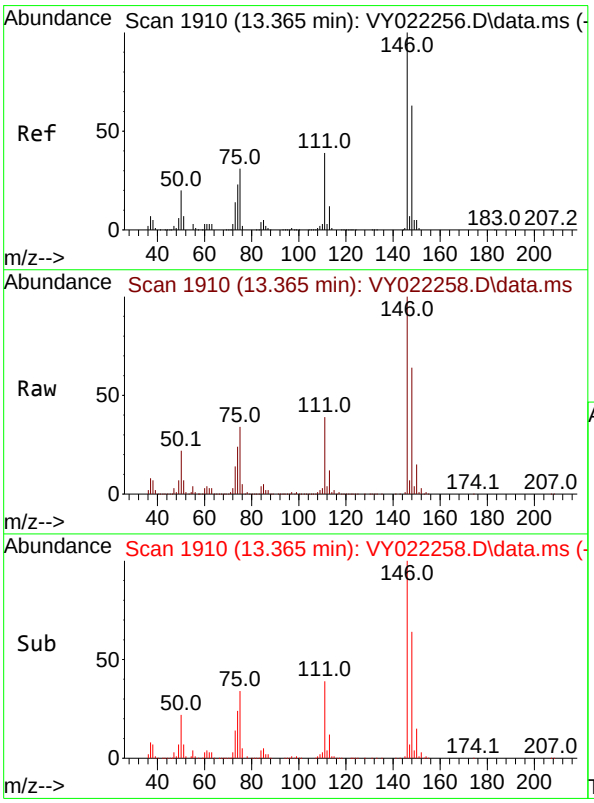
Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.9	59.7
148	63.8	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

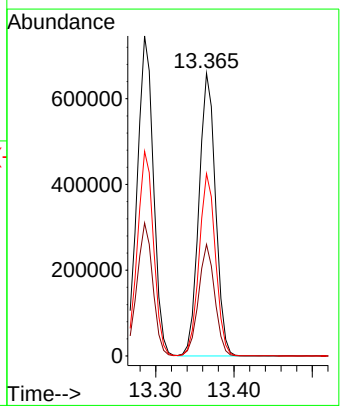
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

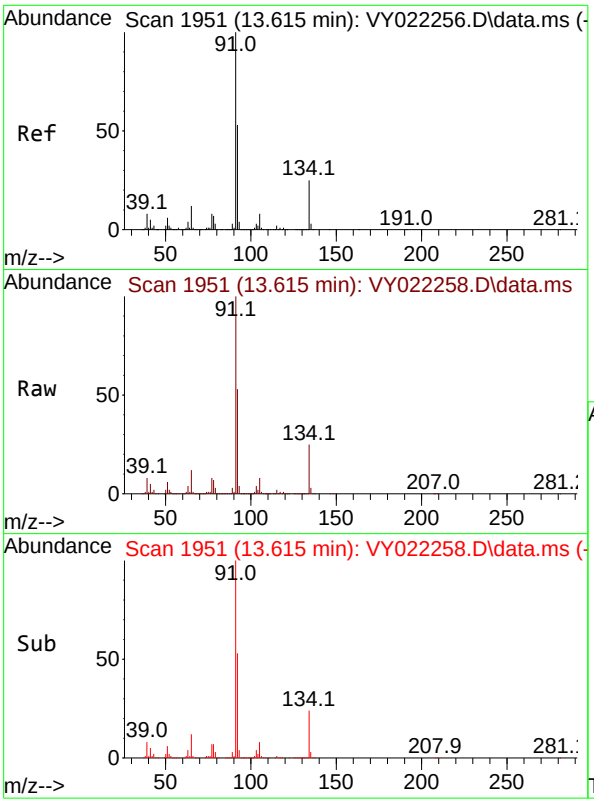


#88
1,4-Dichlorobenzene
Concen: 148.497 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 969874

Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.9	32.1	96.5





#89
n-Butylbenzene
Concen: 150.985 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

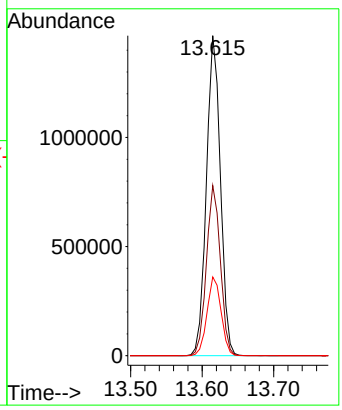
Tgt Ion: 91 Resp: 199255

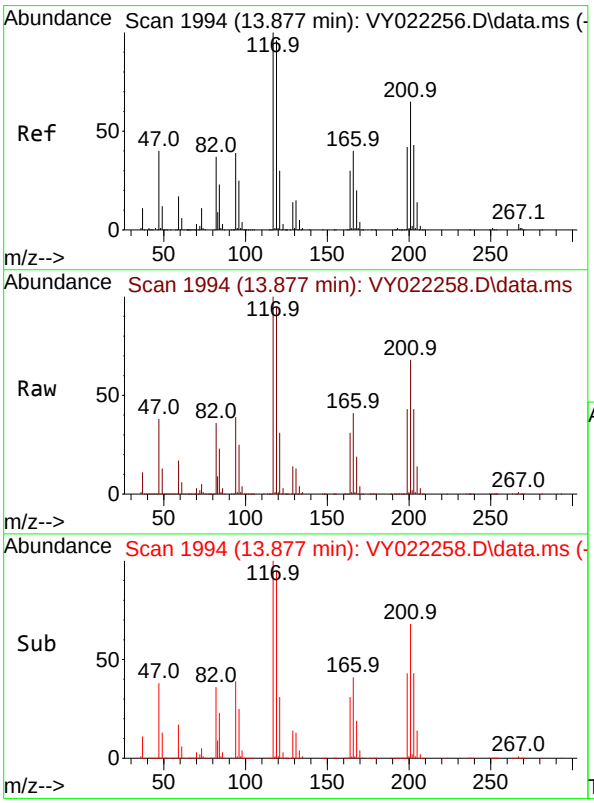
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	24.8	12.4	37.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

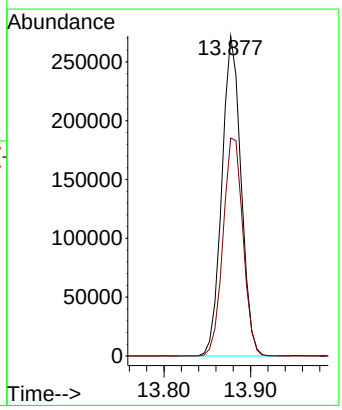


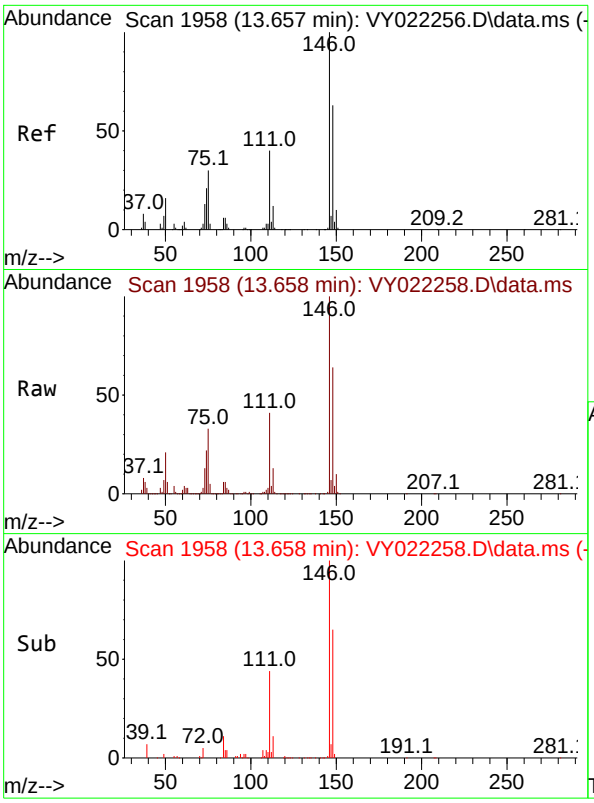


#90
Hexachloroethane
Concen: 148.208 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:117 Resp: 417341

Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.2	105.6

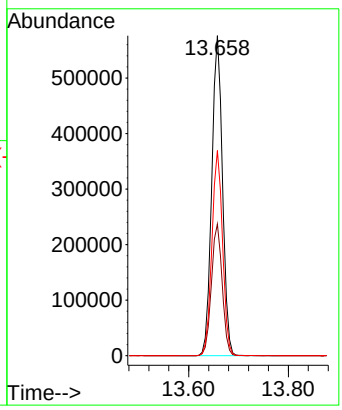




#91
1,2-Dichlorobenzene
Concen: 150.565 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:146 Resp: 85873

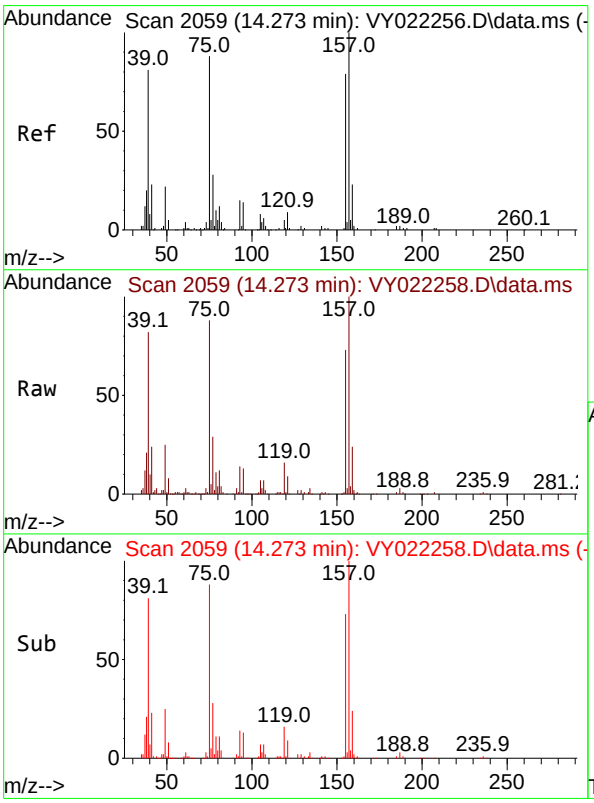
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	63.8	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

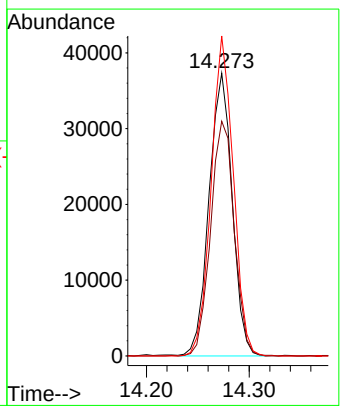
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

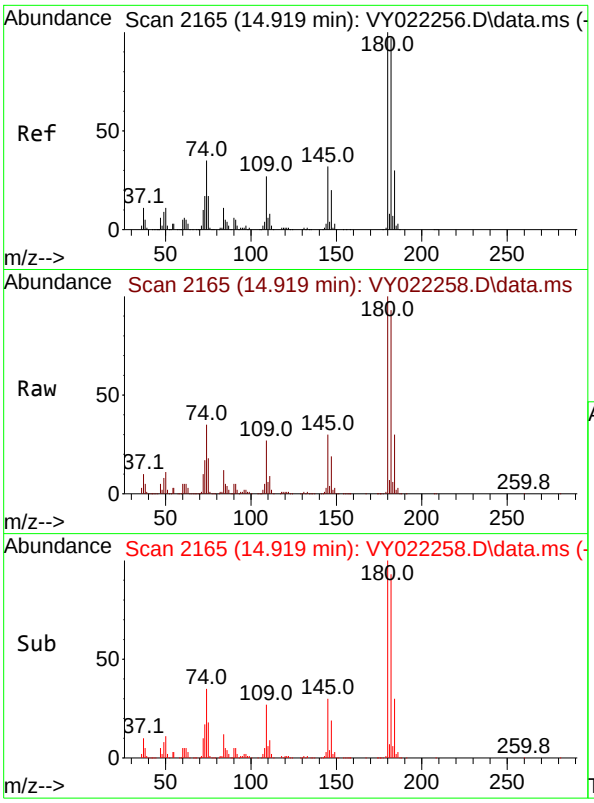


#92
1,2-Dibromo-3-Chloropropane
Concen: 151.172 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion: 75 Resp: 58383

Ion	Ratio	Lower	Upper
75	100		
155	84.6	43.4	130.1
157	108.4	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 154.361 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:180 Resp: 50853

Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	30.4	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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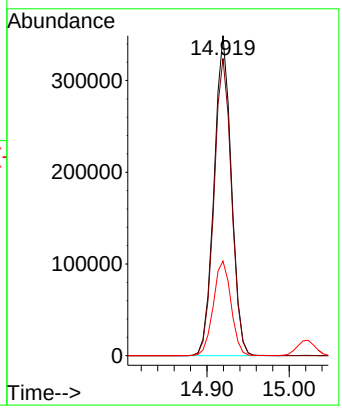
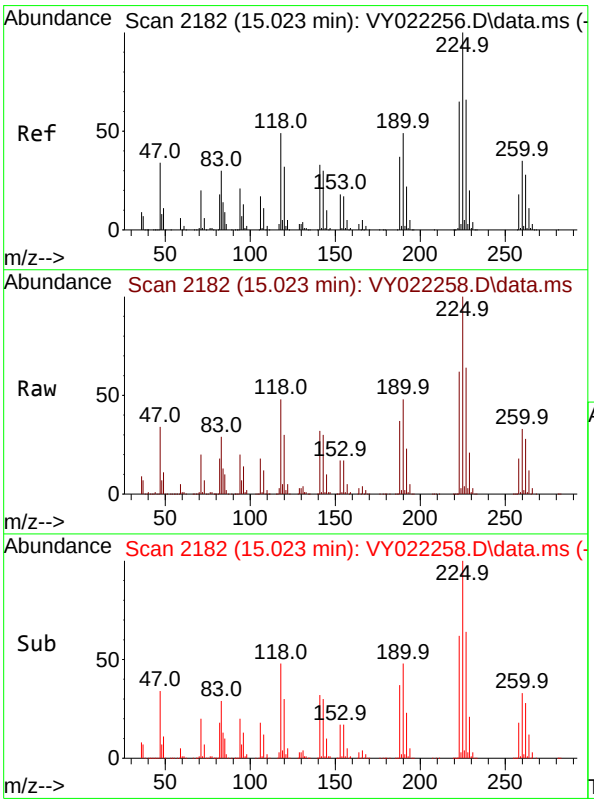
Supervised By :Semsettin Yesilyurt 05/16/2025

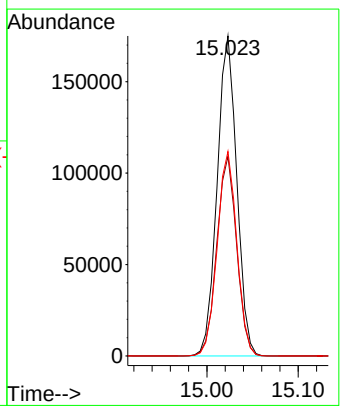


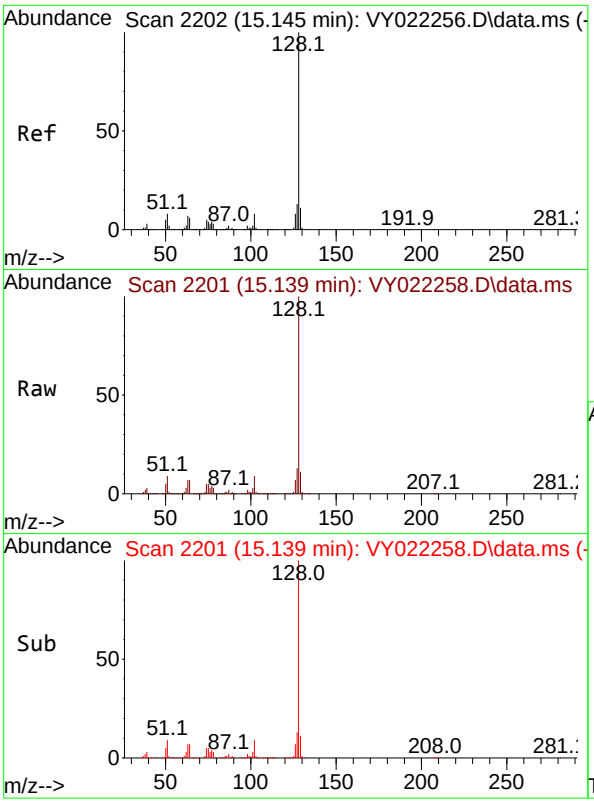


#94
Hexachlorobutadiene
Concen: 142.514 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:225 Resp: 261832

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	63.8	32.1	96.3

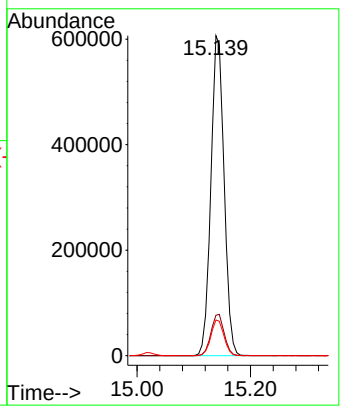




#95
Naphthalene
Concen: 156.653 ug/l
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:128 Resp: 97936

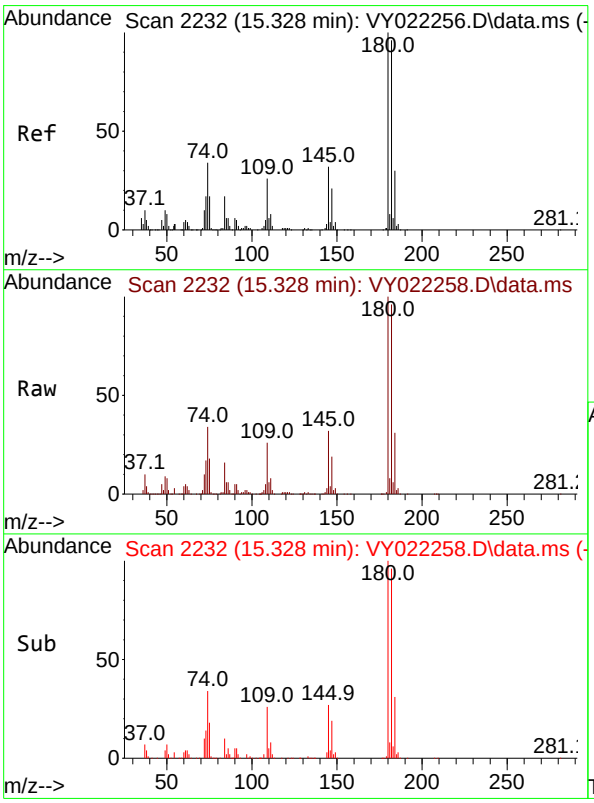
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

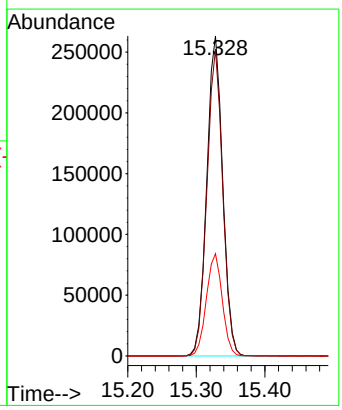
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 152.509 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022258.D
Acq: 15 May 2025 11:47

Tgt Ion:180 Resp: 426231

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	31.9	15.9	47.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	252715	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428969	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.420	117	375548	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178387	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	143909	52.104 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.200%		
35) Dibromofluoromethane	7.634	113	132263	51.658 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%		
50) Toluene-d8	10.109	98	537188	51.229 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.460%		
62) 4-Bromofluorobenzene	12.408	95	169575	51.020 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.040%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	130352	49.432 ug/l	97
3) Chloromethane	2.068	50	270248	48.719 ug/l	98
4) Vinyl Chloride	2.202	62	316755	51.111 ug/l	99
5) Bromomethane	2.598	94	244611	48.486 ug/l	99
6) Chloroethane	2.732	64	205247	53.234 ug/l	99
7) Trichlorofluoromethane	3.056	101	321098	51.174 ug/l	99
8) Diethyl Ether	3.458	74	78386	52.055 ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	140460	51.564 ug/l	100
10) Methyl Iodide	4.007	142	156397	49.606 ug/l	99
11) Tert butyl alcohol	4.872	59	55922	265.144 ug/l #	100
12) 1,1-Dichloroethene	3.793	96	139180	51.487 ug/l	98
13) Acrolein	3.653	56	73495	238.362 ug/l	98
14) Allyl chloride	4.378	41	250342	52.817 ug/l	100
15) Acrylonitrile	5.055	53	164507	265.134 ug/l	99
16) Acetone	3.872	43	130848	252.660 ug/l	99
17) Carbon Disulfide	4.104	76	456302	51.765 ug/l	99
18) Methyl Acetate	4.385	43	97091	59.461 ug/l	98
19) Methyl tert-butyl Ether	5.116	73	395753	53.096 ug/l	99
20) Methylene Chloride	4.610	84	158275	47.298 ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	153819	51.552 ug/l	98
22) Diisopropyl ether	6.018	45	521343	52.085 ug/l	99
23) Vinyl Acetate	5.957	43	1530507	253.098 ug/l	99
24) 1,1-Dichloroethane	5.915	63	288933	51.668 ug/l	97
25) 2-Butanone	6.896	43	221702	255.929 ug/l	97
26) 2,2-Dichloropropane	6.884	77	259587	52.191 ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	180695	52.479 ug/l	100
28) Bromochloromethane	7.250	49	124761	52.305 ug/l	99
29) Tetrahydrofuran	7.262	42	147603	264.847 ug/l	99
30) Chloroform	7.421	83	283264	52.810 ug/l	100
31) Cyclohexane	7.701	56	271949	48.673 ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	253549	51.523 ug/l	99
36) 1,1-Dichloropropene	7.835	75	212786	50.457 ug/l	99
37) Ethyl Acetate	6.982	43	102740	50.633 ug/l	98
38) Carbon Tetrachloride	7.817	117	220636	50.543 ug/l	98
39) Methylcyclohexane	9.109	83	283373	50.015 ug/l	98
40) Benzene	8.079	78	646289	51.696 ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.244	41	72143m	53.599	ug/l		
42) 1,2-Dichloroethane	8.158	62	175241	51.834	ug/l		100
43) Isopropyl Acetate	8.195	43	227521	51.415	ug/l	#	89
44) Trichloroethene	8.865	130	156468	50.335	ug/l		96
45) 1,2-Dichloropropane	9.140	63	154975	51.417	ug/l		99
46) Dibromomethane	9.231	93	83597	51.423	ug/l		100
47) Bromodichloromethane	9.426	83	221446	52.508	ug/l		99
48) Methyl methacrylate	9.219	41	106283	51.357	ug/l		98
49) 1,4-Dioxane	9.231	88	18521	1008.479	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	567722	261.463	ug/l		99
52) Toluene	10.170	92	406420	51.337	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	211790	51.458	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	244811	51.916	ug/l		100
55) 1,1,2-Trichloroethane	10.572	97	106464	51.142	ug/l		99
56) Ethyl methacrylate	10.438	69	164207	50.639	ug/l		99
57) 1,3-Dichloropropane	10.719	76	191889	51.880	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	394587	271.104	ug/l		100
59) 2-Hexanone	10.761	43	375224	257.738	ug/l		100
60) Dibromochloromethane	10.914	129	141652	52.425	ug/l		99
61) 1,2-Dibromoethane	11.018	107	99783	51.428	ug/l		99
64) Tetrachloroethene	10.646	164	162818	46.905	ug/l		99
65) Chlorobenzene	11.444	112	422170	49.827	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	144636	49.656	ug/l		99
67) Ethyl Benzene	11.517	91	794978	50.100	ug/l		99
68) m/p-Xylenes	11.627	106	604420	101.087	ug/l		99
69) o-Xylene	11.956	106	286712	50.682	ug/l		98
70) Styrene	11.969	104	481621	50.471	ug/l		99
71) Bromoform	12.133	173	80216	51.022	ug/l	#	100
73) Isopropylbenzene	12.255	105	738398	49.964	ug/l		100
74) N-amyl acetate	12.072	43	210510	49.805	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	120599	53.062	ug/l		97
76) 1,2,3-Trichloropropane	12.560	75	96804m	53.564	ug/l		
77) Bromobenzene	12.536	156	155843	49.374	ug/l		97
78) n-propylbenzene	12.596	91	896555	50.296	ug/l		100
79) 2-Chlorotoluene	12.682	91	491073	50.130	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	592100	49.632	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	43921	49.231	ug/l		99
82) 4-Chlorotoluene	12.779	91	510451	50.661	ug/l		100
83) tert-Butylbenzene	12.999	119	527140	49.715	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	598450	50.535	ug/l		99
85) sec-Butylbenzene	13.176	105	787000	50.000	ug/l		100
86) p-Isopropyltoluene	13.291	119	664795	50.219	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	320357	49.718	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	307847	49.669	ug/l		98
89) n-Butylbenzene	13.621	91	631222	50.402	ug/l		100
90) Hexachloroethane	13.883	117	132281	49.502	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	270373	49.954	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18335	50.028	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	152548	48.794	ug/l		99
94) Hexachlorobutadiene	15.023	225	83287	47.770	ug/l		99
95) Naphthalene	15.145	128	287276	48.421	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	127466	48.060	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

ICAL Form

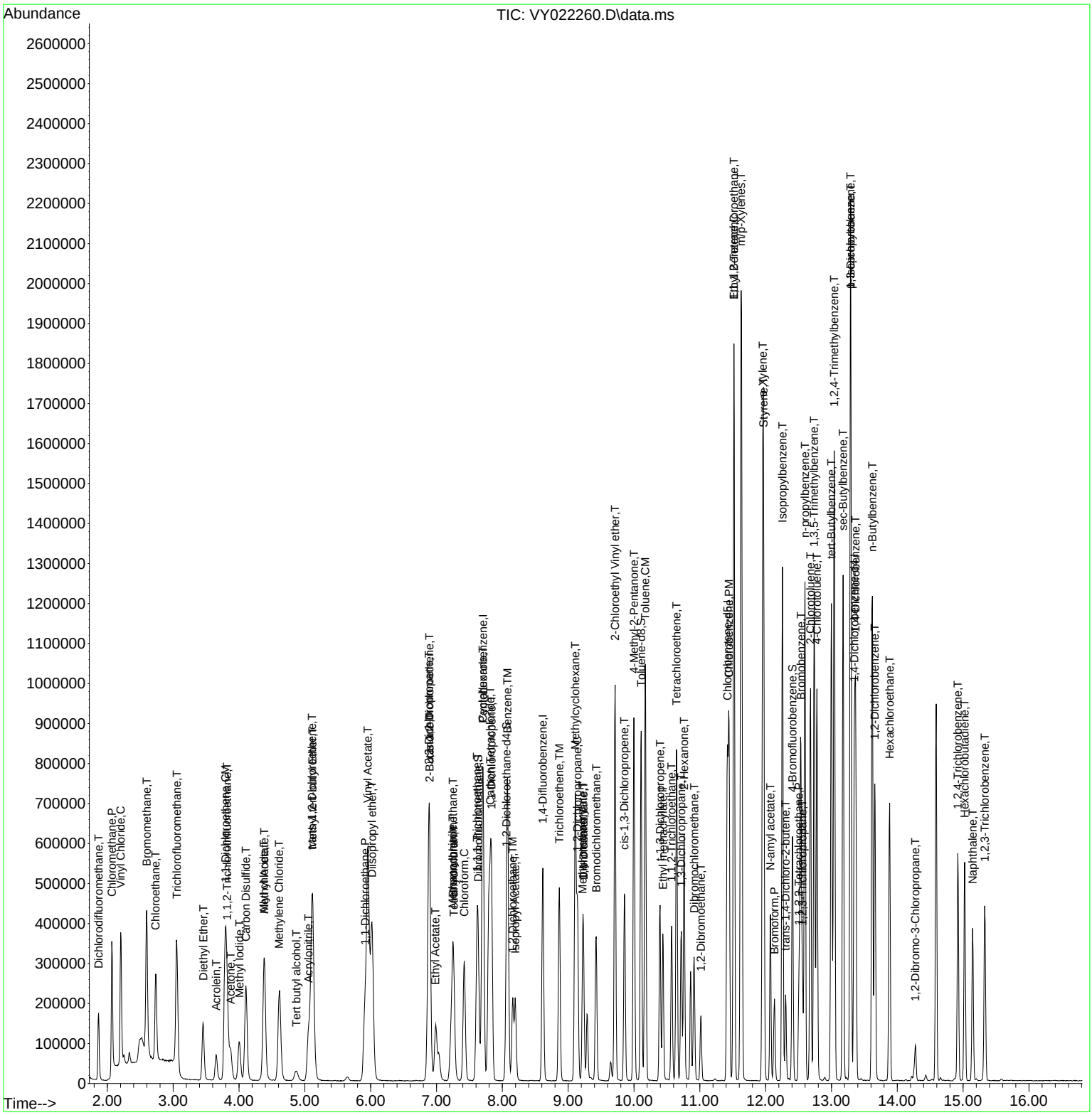
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

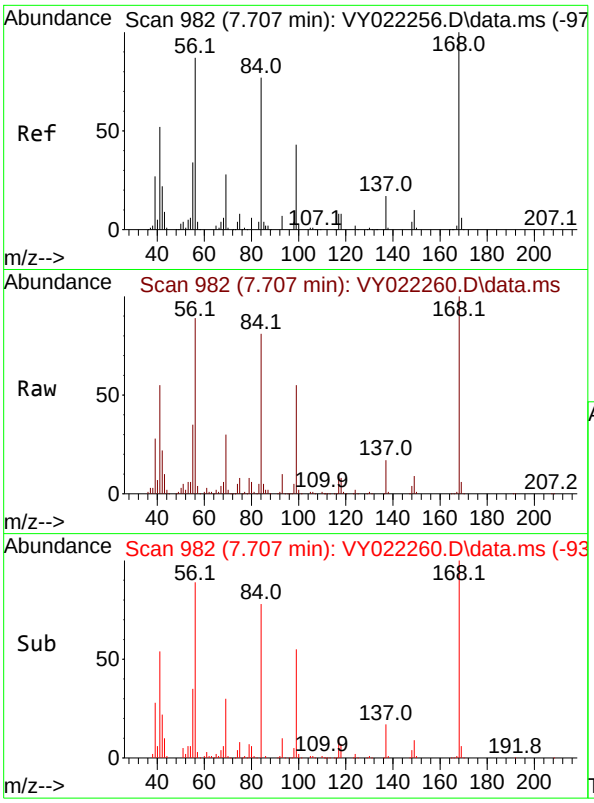
Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

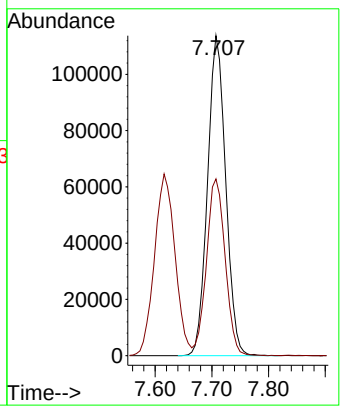




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:168 Resp: 25271

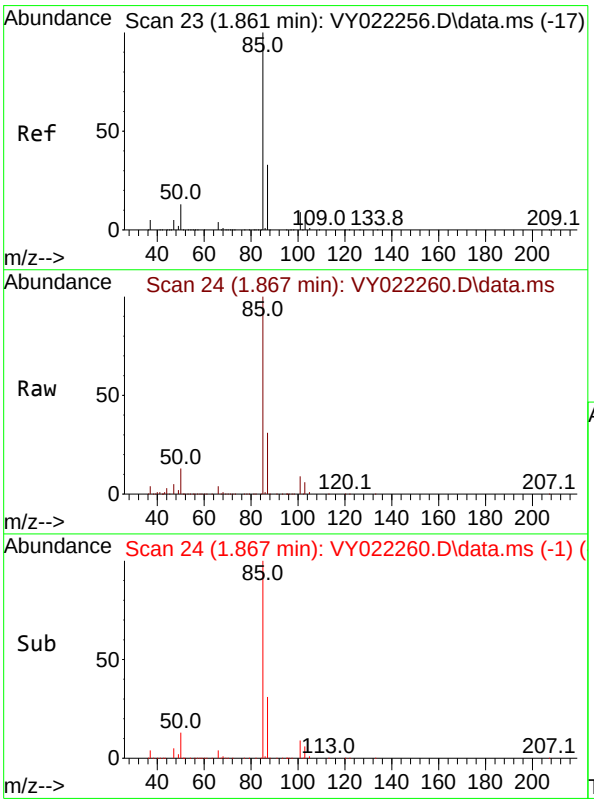
Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

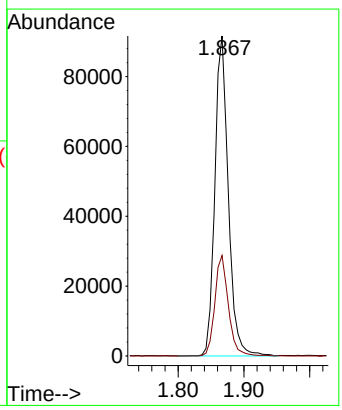
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

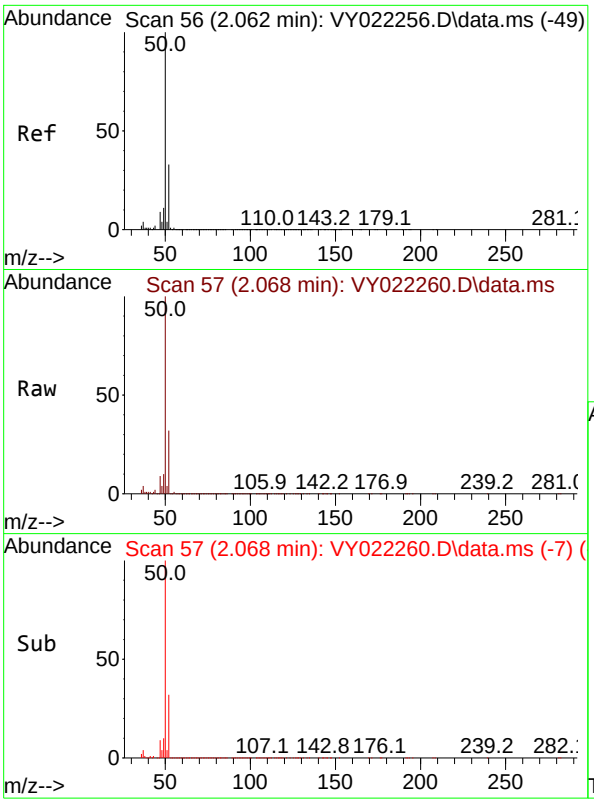


#2
Dichlorodifluoromethane
Concen: 49.432 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 85 Resp: 130352

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.5	49.5

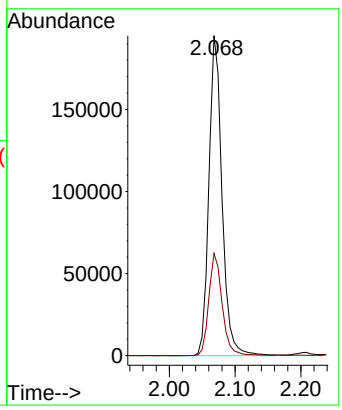




#3
Chloromethane
Concen: 48.719 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 50 Resp: 27024

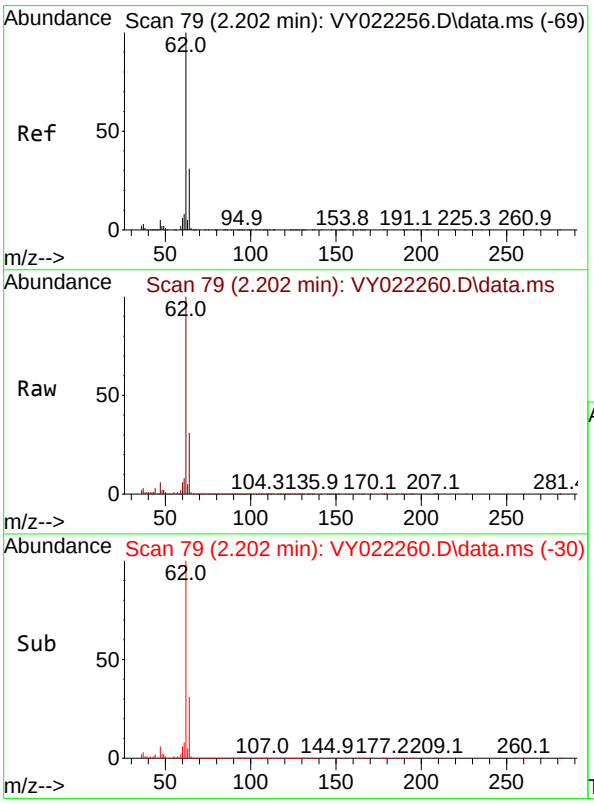
Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

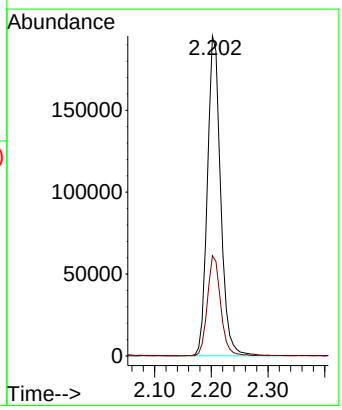
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

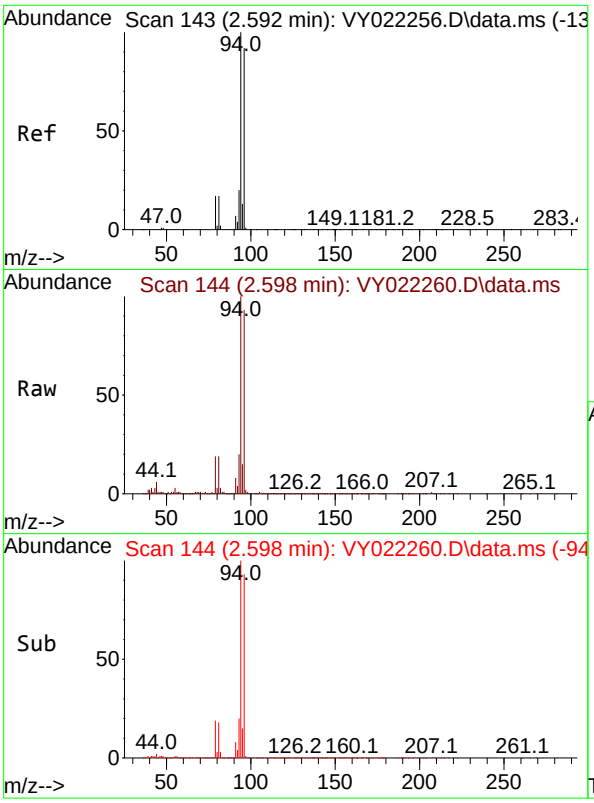


#4
Vinyl Chloride
Concen: 51.111 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 316755

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.5	36.7





#5
Bromomethane
Concen: 48.486 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

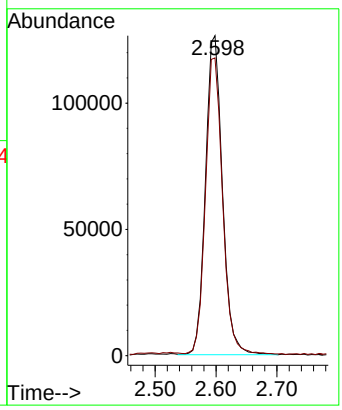
Tgt Ion: 94 Resp: 24461

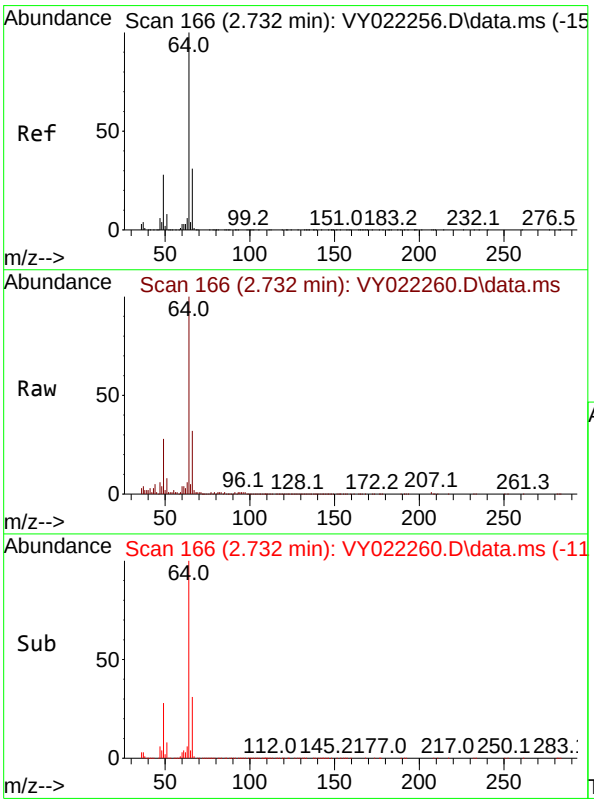
Ion	Ratio	Lower	Upper
94	100		
96	92.8	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

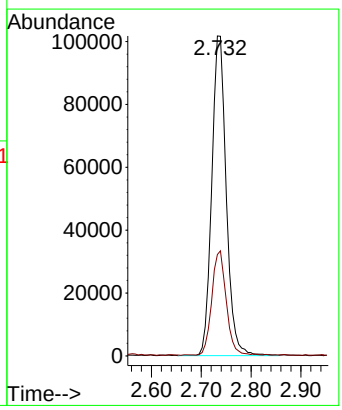


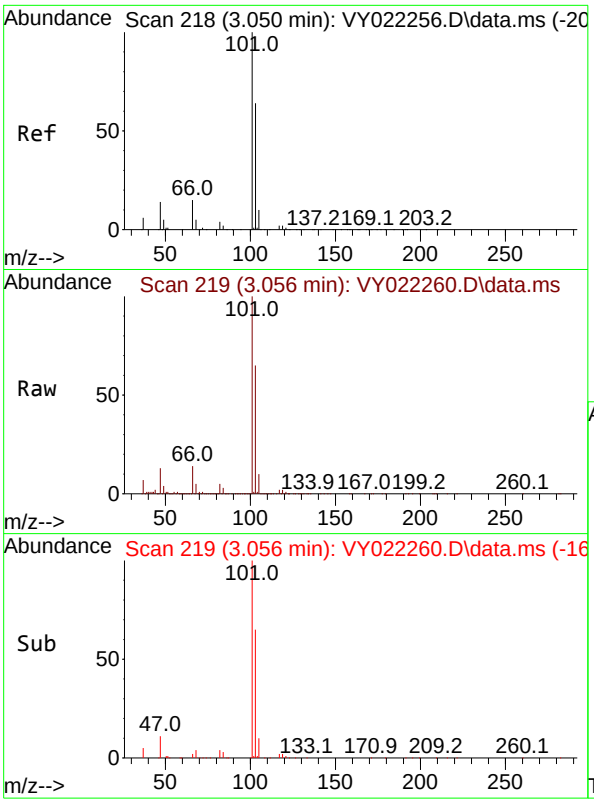


#6
Chloroethane
Concen: 53.234 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 64 Resp: 205247

Ion	Ratio	Lower	Upper
64	100		
66	31.4	24.8	37.2

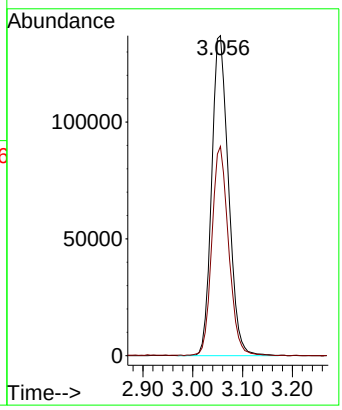




#7
Trichlorofluoromethane
Concen: 51.174 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:101 Resp: 32109

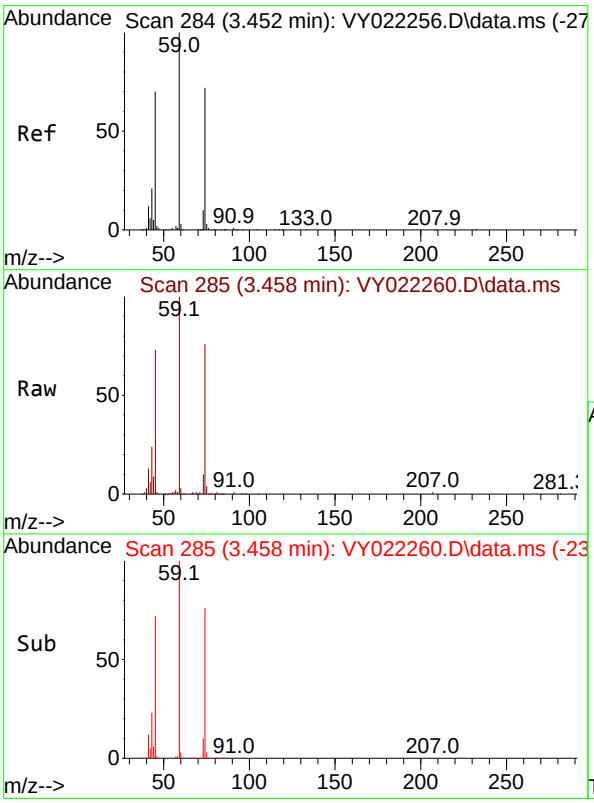
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

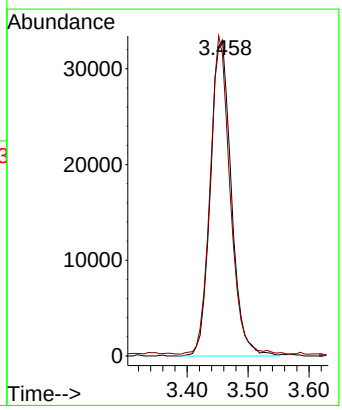
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

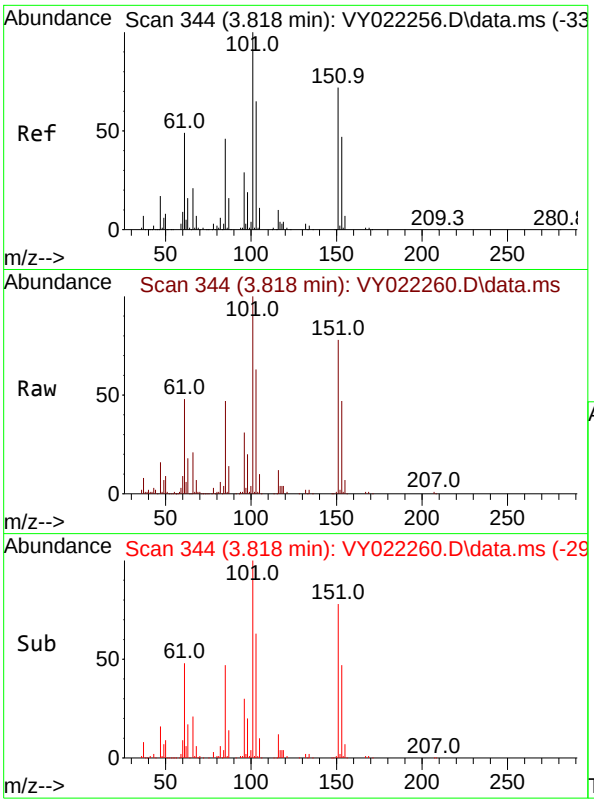


#8
Diethyl Ether
Concen: 52.055 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 74 Resp: 78386

Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.564 ug/l
RT: 3.818 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

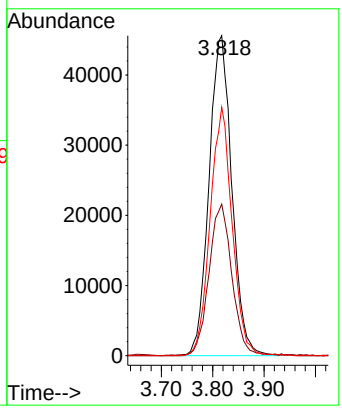
Tgt Ion:101 Resp: 14046

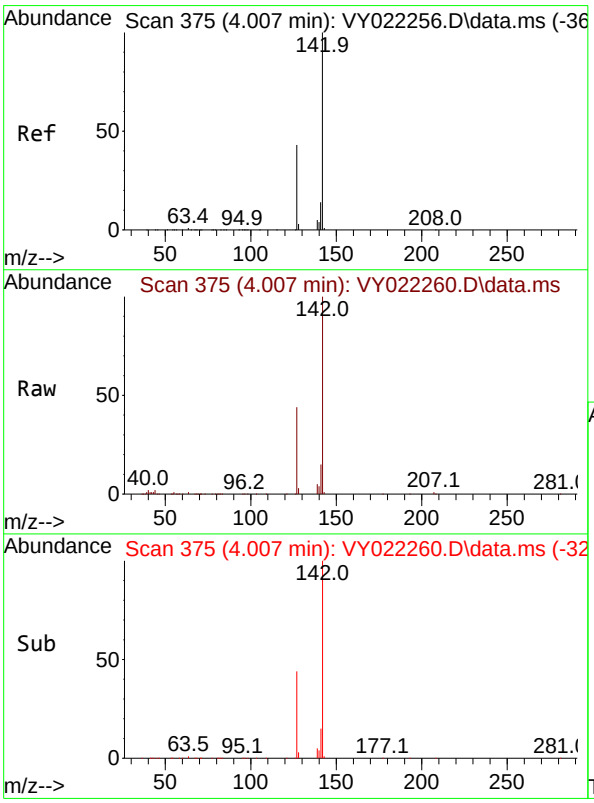
Ion	Ratio	Lower	Upper
101	100		
85	47.9	38.6	58.0
151	74.9	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

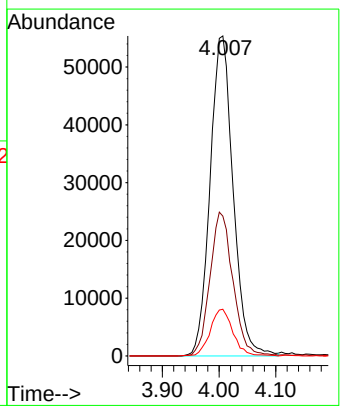


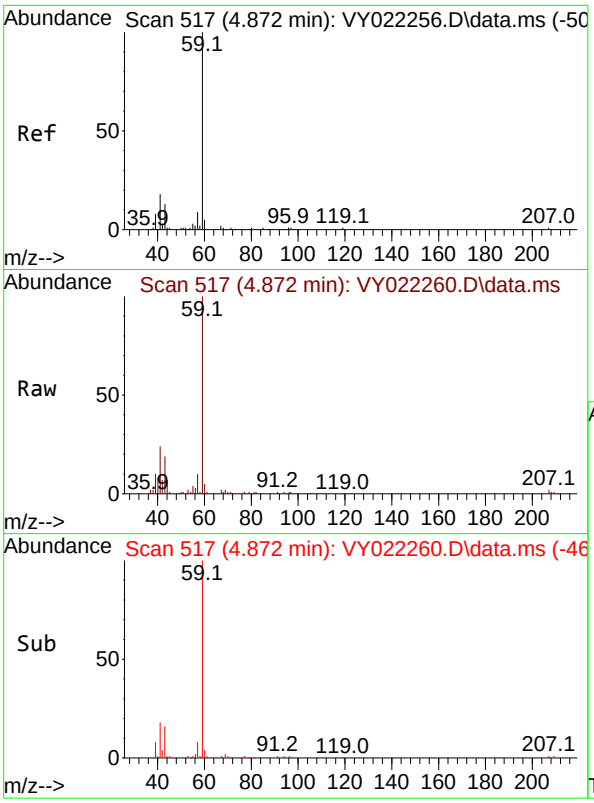


#10
Methyl Iodide
Concen: 49.606 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:142 Resp: 156397

Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.7	53.5
141	14.4	11.1	16.7





#11
Tert butyl alcohol
Concen: 265.144 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

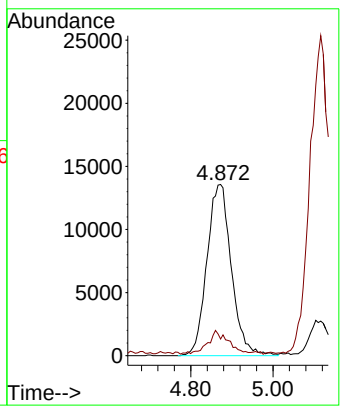
Tgt Ion: 59 Resp: 5592

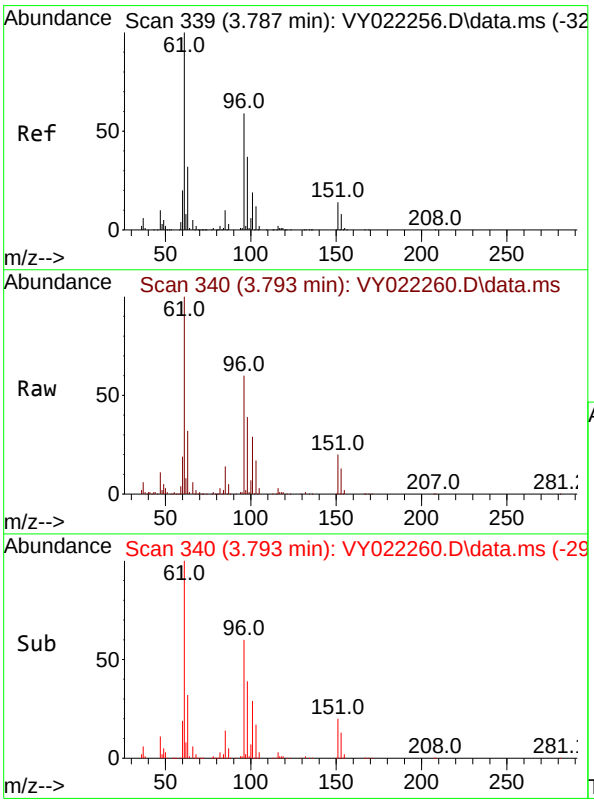
Ion	Ratio	Lower	Upper
59	100		
57	10.7	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

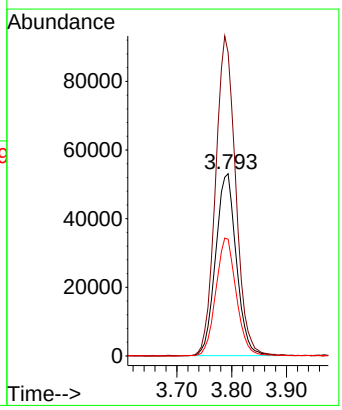


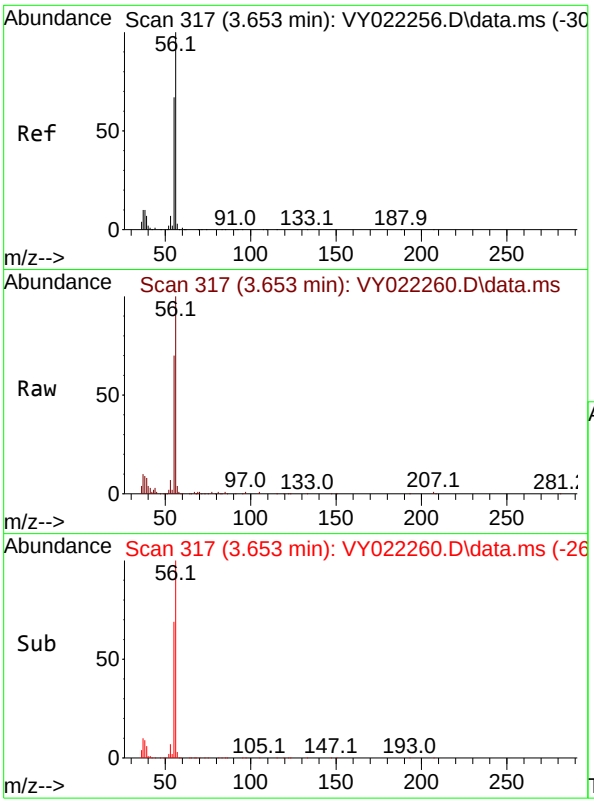


#12
1,1-Dichloroethene
Concen: 51.487 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 139180

Ion	Ratio	Lower	Upper
96	100		
61	166.8	134.9	202.3
98	64.1	49.9	74.9

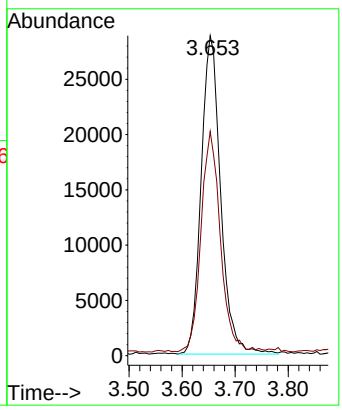




#13
Acrolein
Concen: 238.362 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 56 Resp: 7349

Ion	Ratio	Lower	Upper
56	100		
55	68.2	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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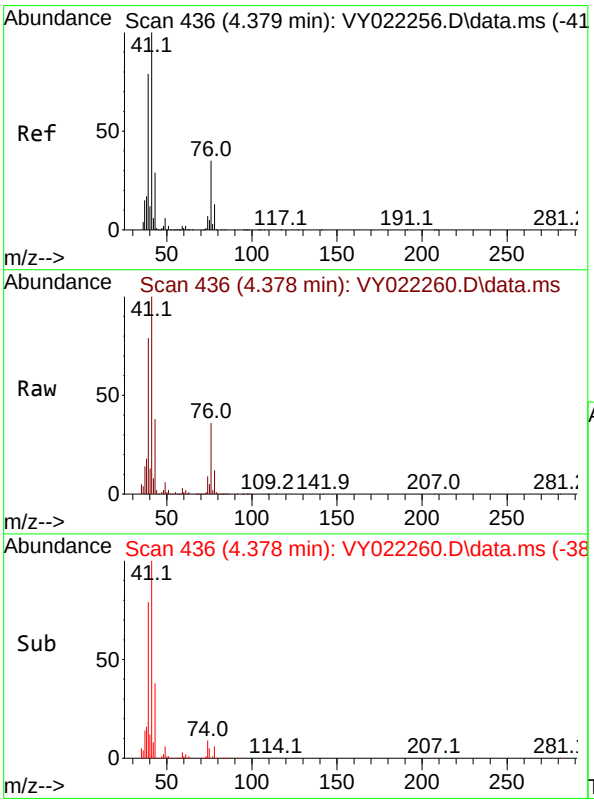
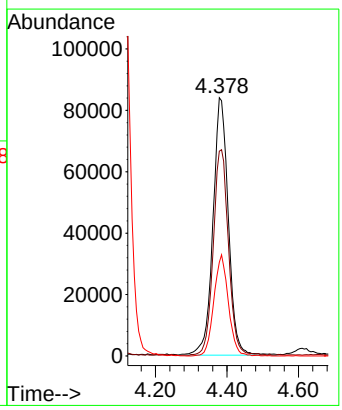
Supervised By :Semsettin Yesilyurt 05/16/2025

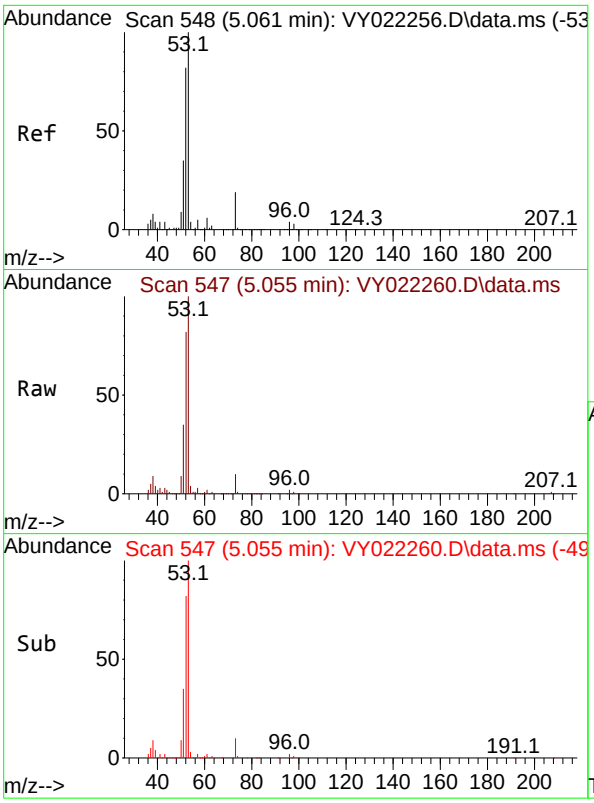


#14
Allyl chloride
Concen: 52.817 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 250342

Ion	Ratio	Lower	Upper
41	100		
39	78.9	63.4	95.0
76	37.0	29.5	44.3

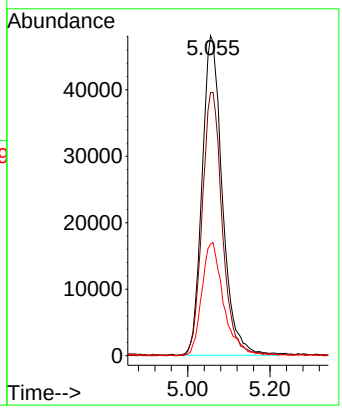




#15
Acrylonitrile
Concen: 265.134 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 53 Resp: 16450

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	38.2	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
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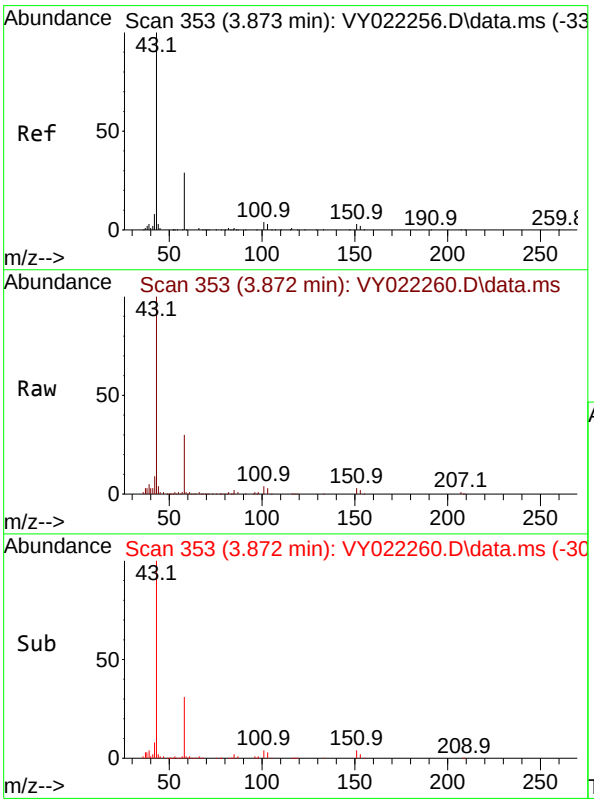
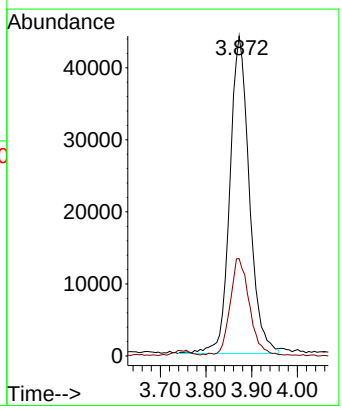
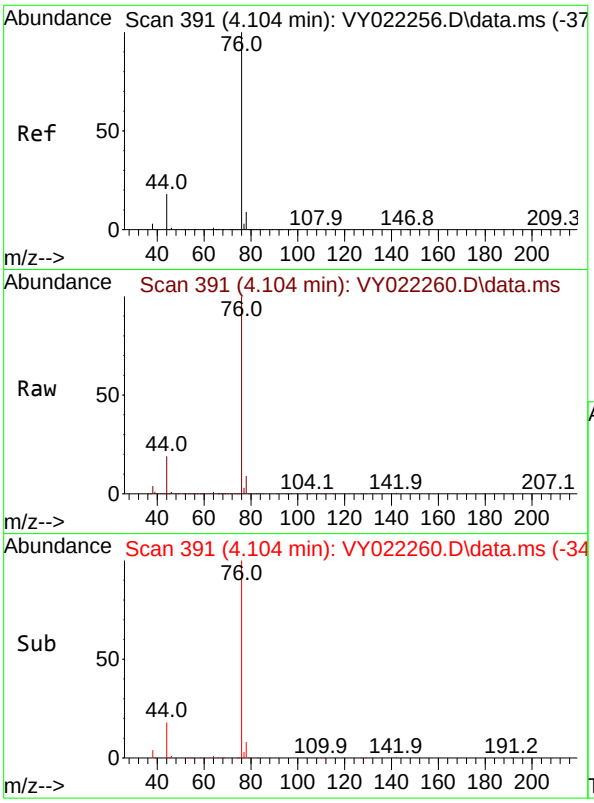


#16
Acetone
Concen: 252.660 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 130848

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.6	35.4

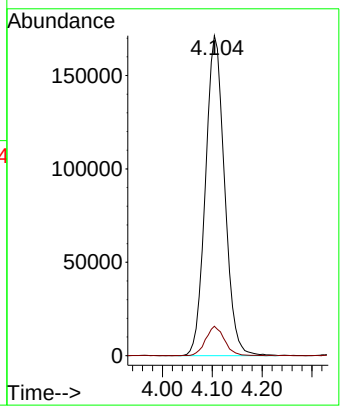




#17
Carbon Disulfide
Concen: 51.765 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 76 Resp: 45630

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8



Instrument :
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ClientSampleId :
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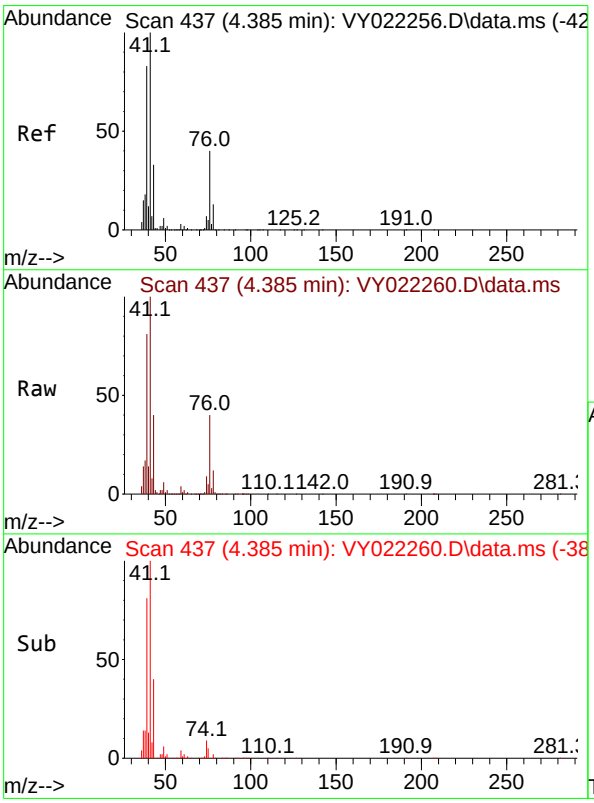
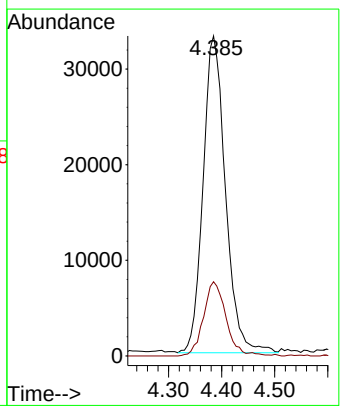
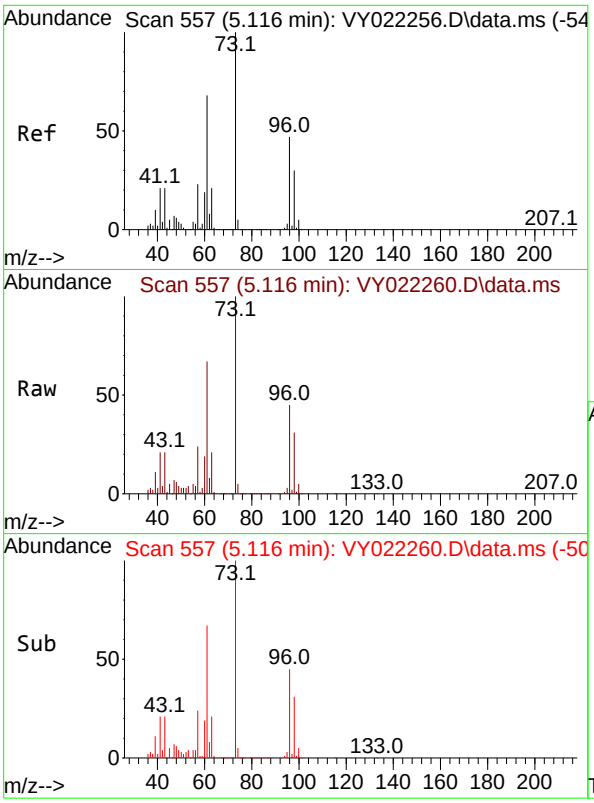


#18
Methyl Acetate
Concen: 59.461 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 97091

Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.2	27.4

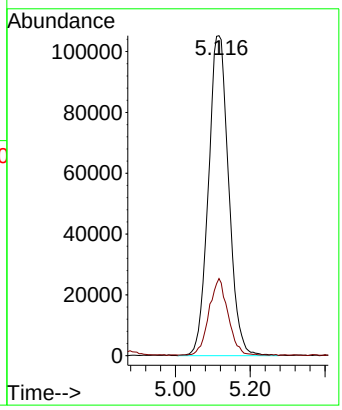




#19
Methyl tert-butyl Ether
Concen: 53.096 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 73 Resp: 39575

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
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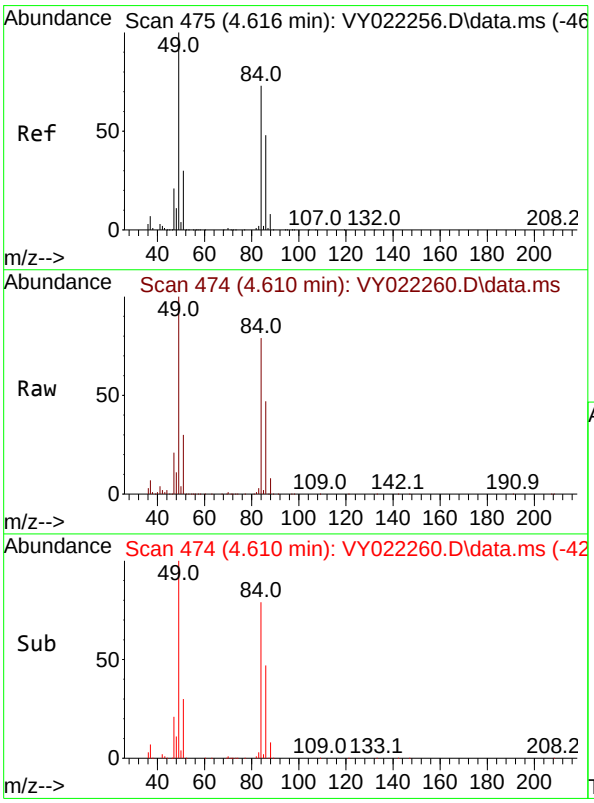
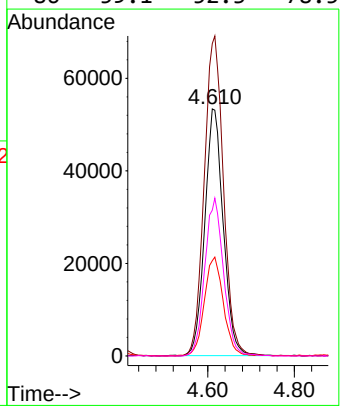
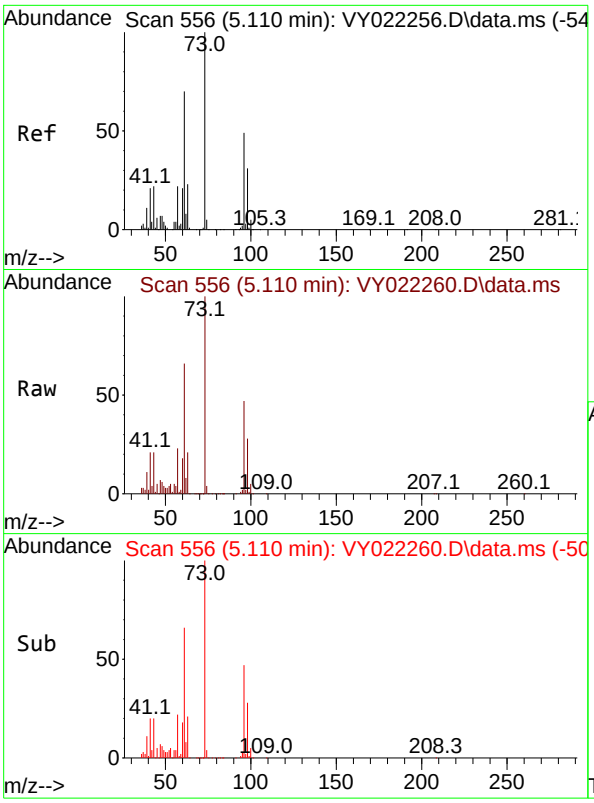


#20
Methylene Chloride
Concen: 47.298 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 84 Resp: 158275

Ion	Ratio	Lower	Upper
84	100		
49	126.6	109.6	164.4
51	38.5	32.4	48.6
86	59.1	52.3	78.5

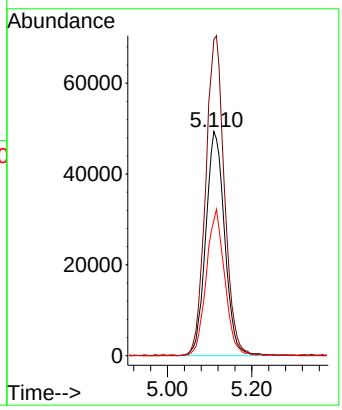




#21
trans-1,2-Dichloroethene
Concen: 51.552 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 15381

Ion	Ratio	Lower	Upper
96	100		
61	140.9	113.4	170.0
98	60.2	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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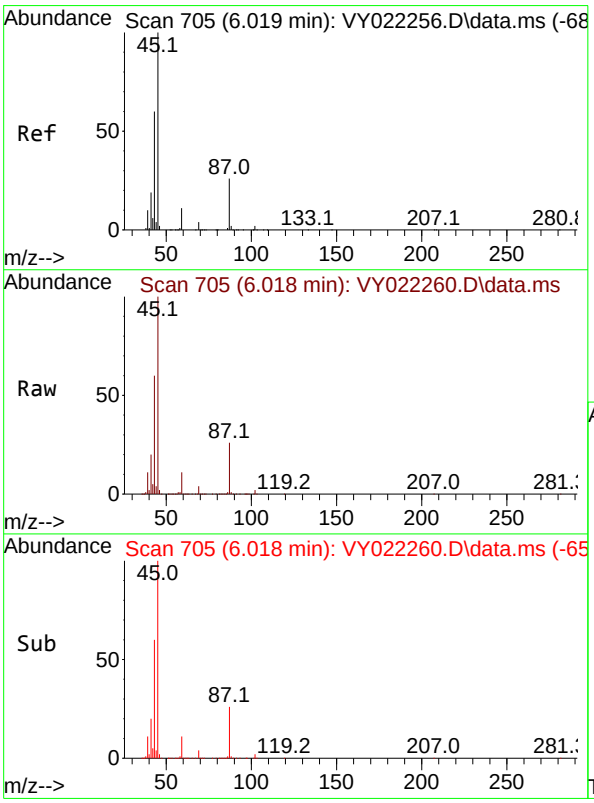
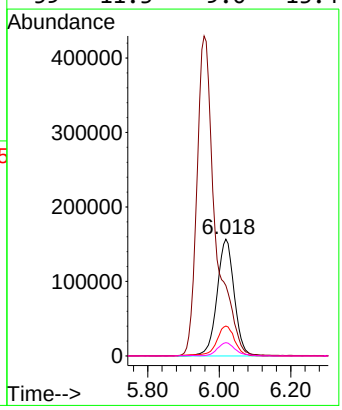
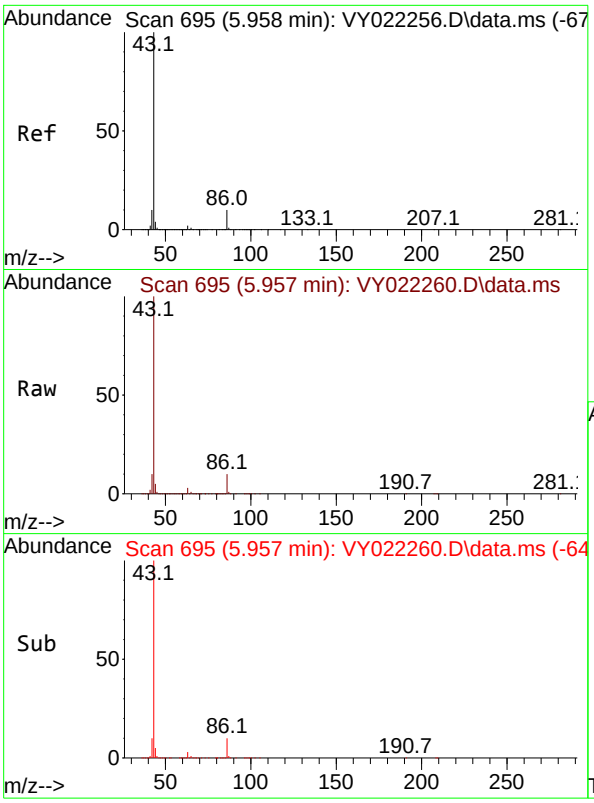


#22
Diisopropyl ether
Concen: 52.085 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 45 Resp: 521343

Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.2	72.2
87	25.6	21.4	32.0
59	11.3	9.0	13.4

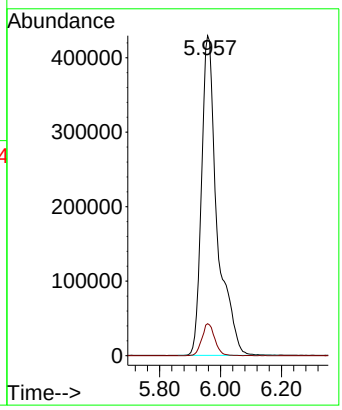




#23
Vinyl Acetate
Concen: 253.098 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 153050

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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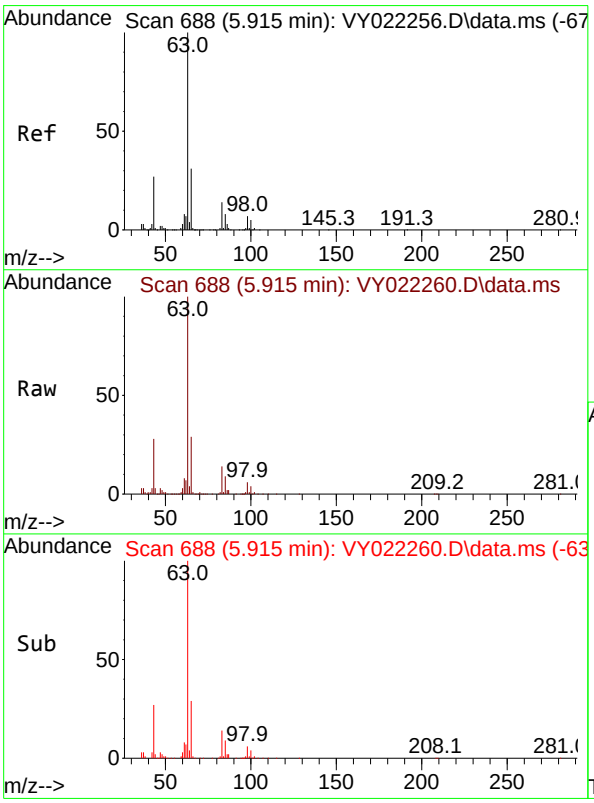
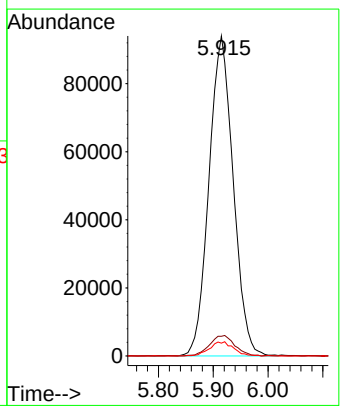
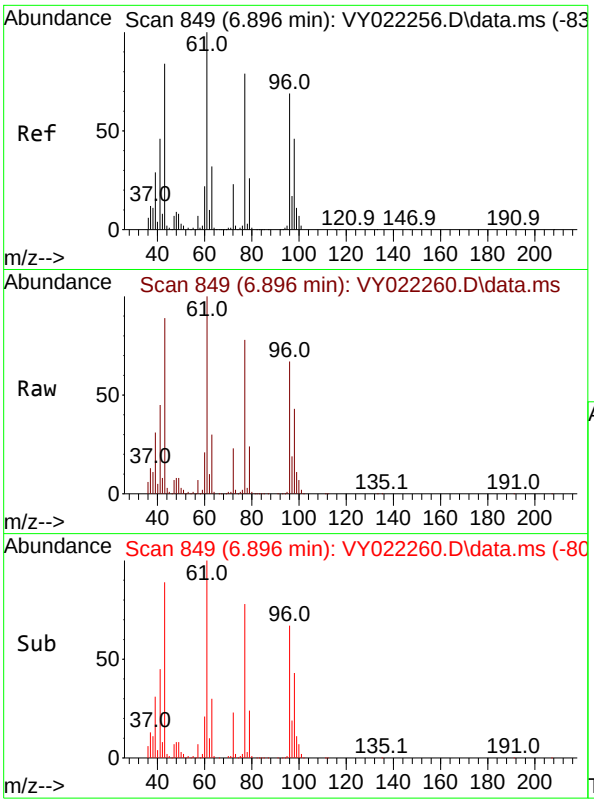


#24
1,1-Dichloroethane
Concen: 51.668 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 288933

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	4.0	2.4	7.2





#25
2-Butanone
Concen: 255.929 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 22170

Ion	Ratio	Lower	Upper
43	100		
72	25.9	22.1	33.1

Instrument :
MSVOA_Y
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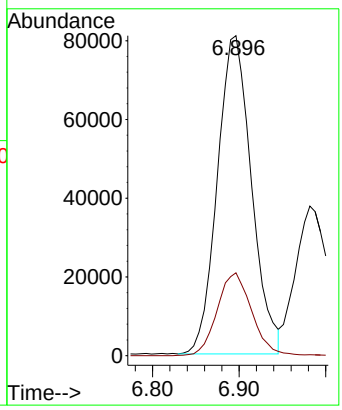
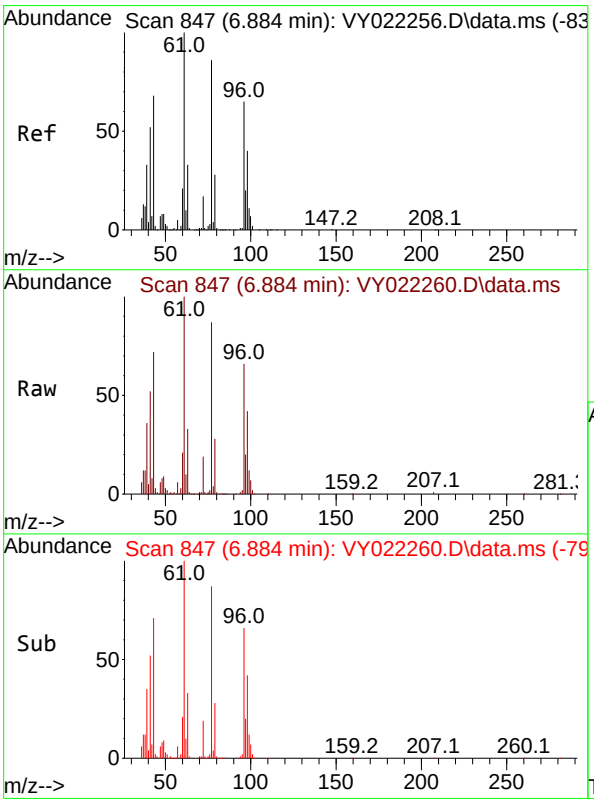
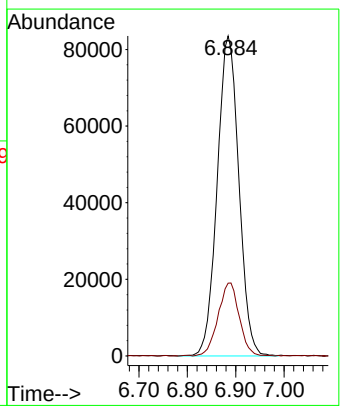


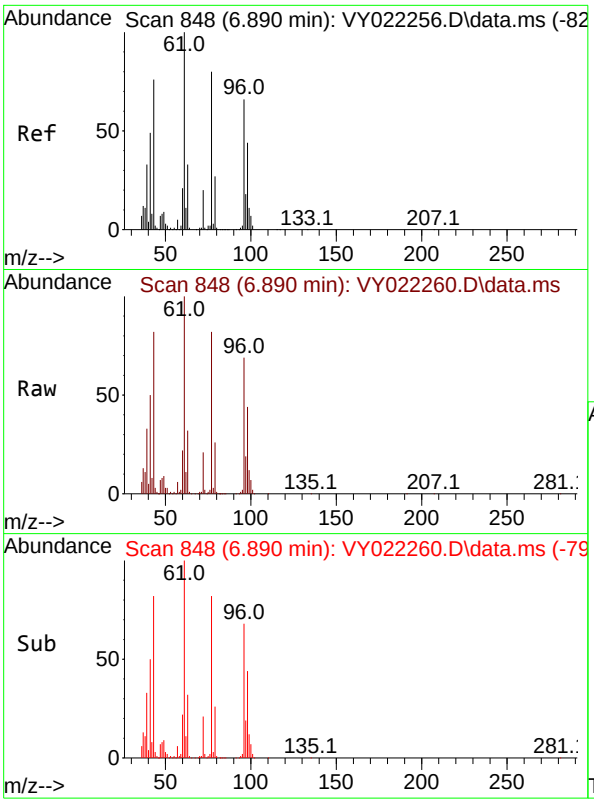


#26
2,2-Dichloropropane
Concen: 52.191 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 77 Resp: 259587

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 52.479 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 96 Resp: 18069

Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	302.6
98	64.5	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
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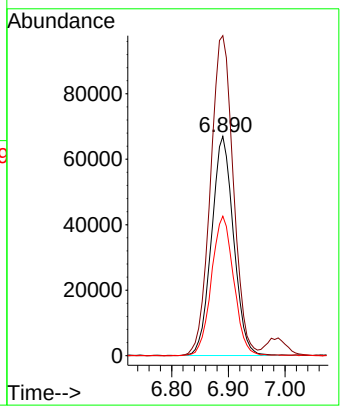
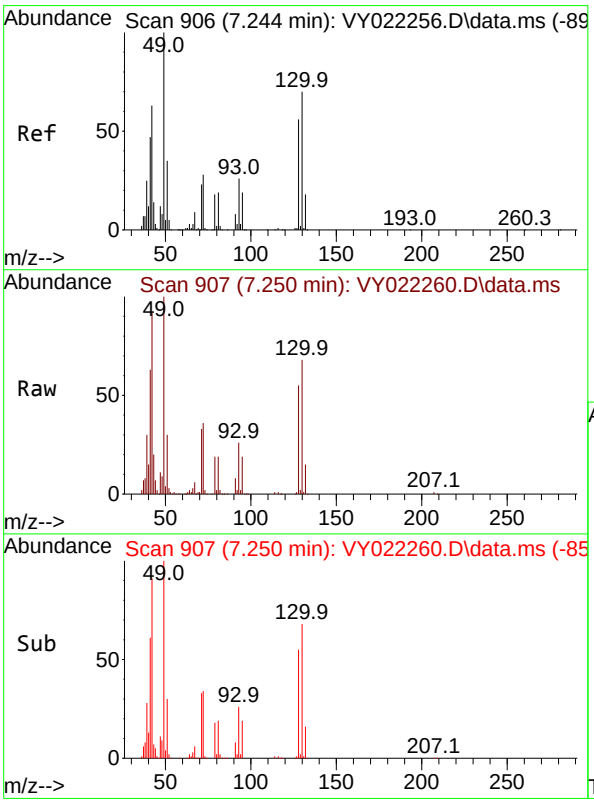
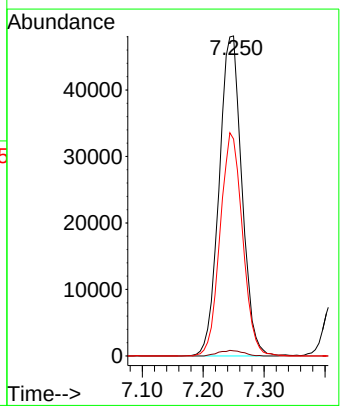


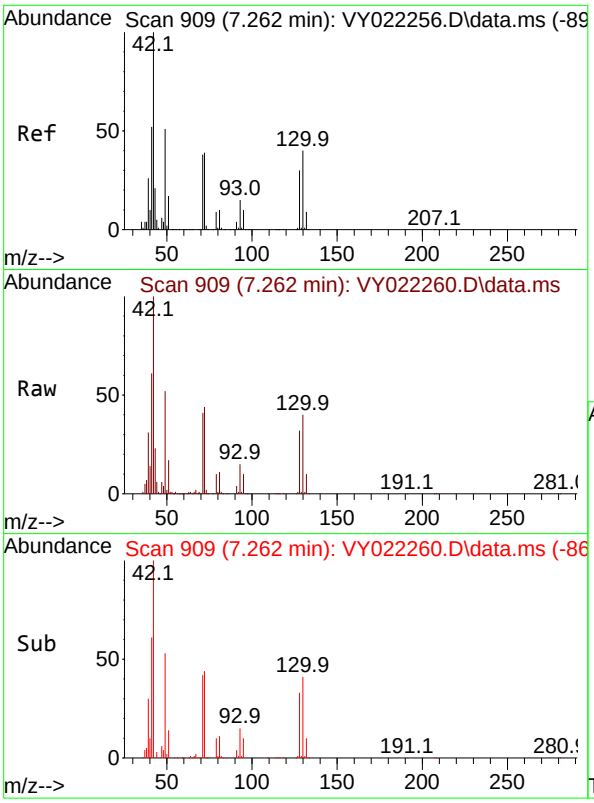


#28
Bromochloromethane
Concen: 52.305 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 49 Resp: 124761

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	68.8	54.7	82.1

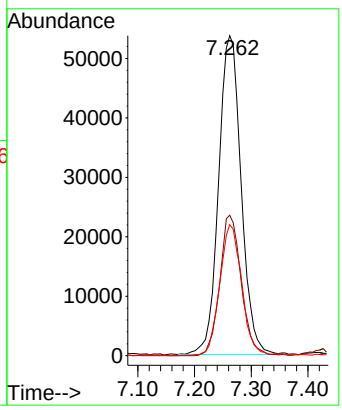




#29
Tetrahydrofuran
Concen: 264.847 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 42 Resp: 14760

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.8	50.6
71	40.1	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
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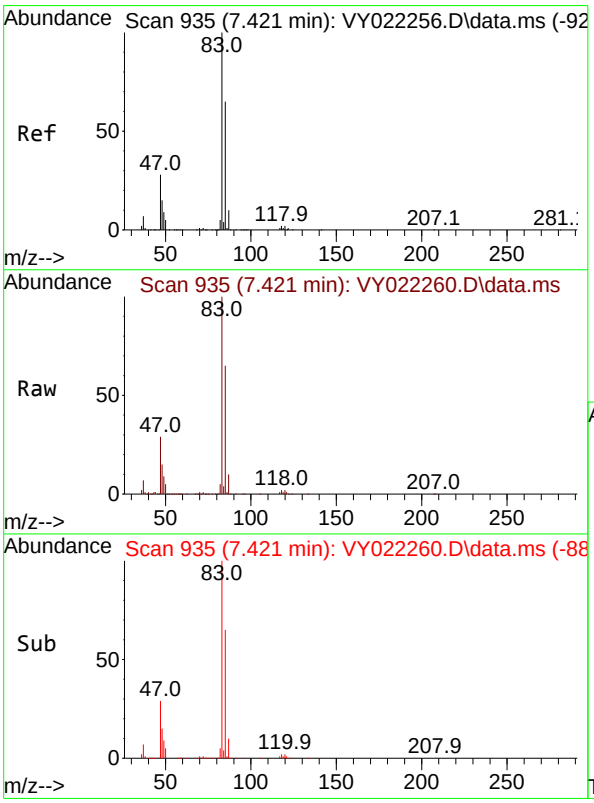
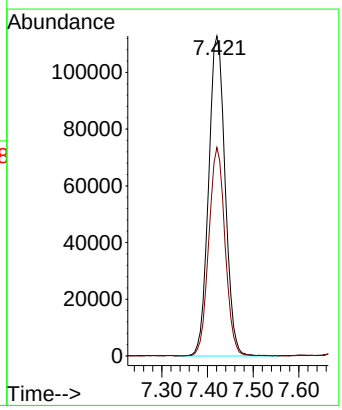
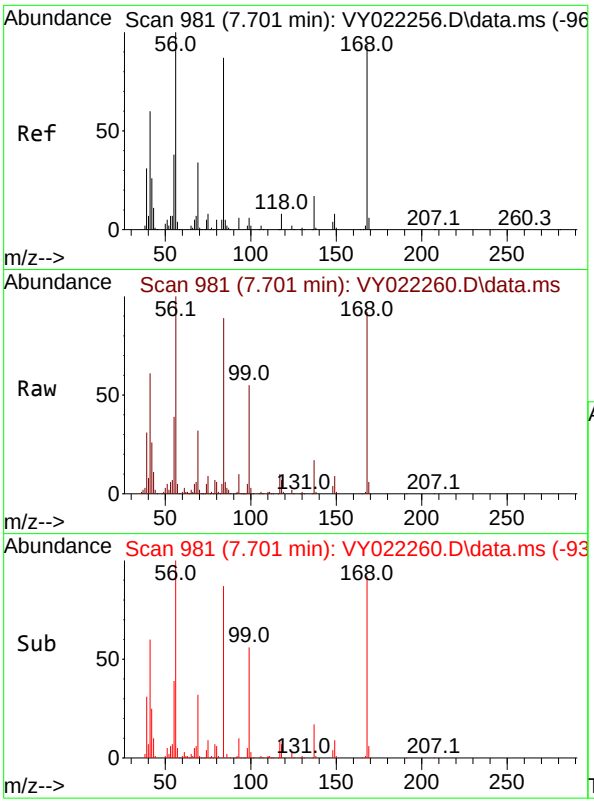


#30
Chloroform
Concen: 52.810 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 283264

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





#31
Cyclohexane
Concen: 48.673 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 56 Resp: 27194

Ion	Ratio	Lower	Upper
56	100		
69	31.8	27.4	41.2
84	87.5	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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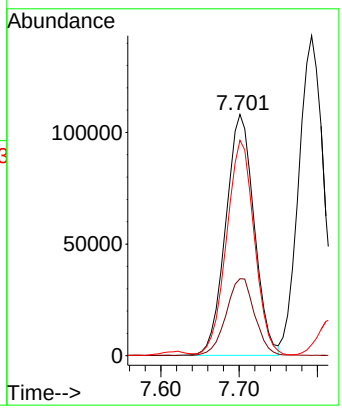
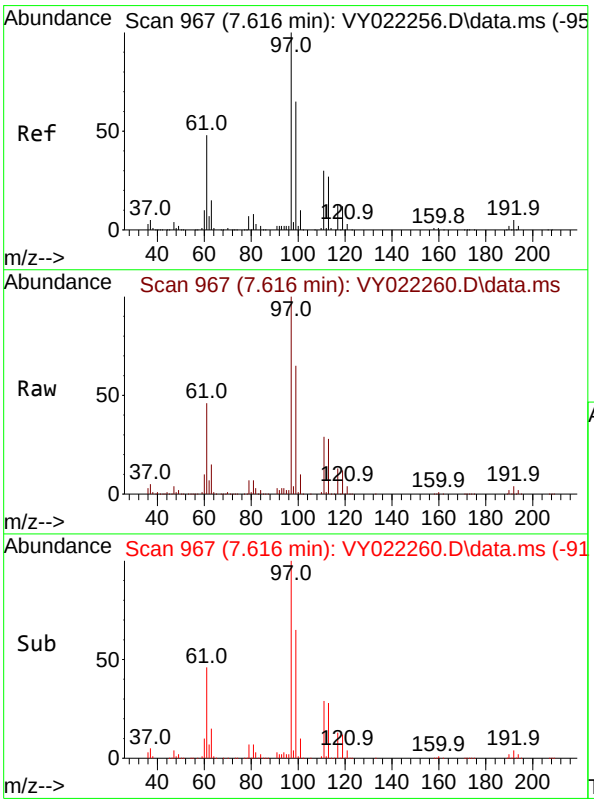
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

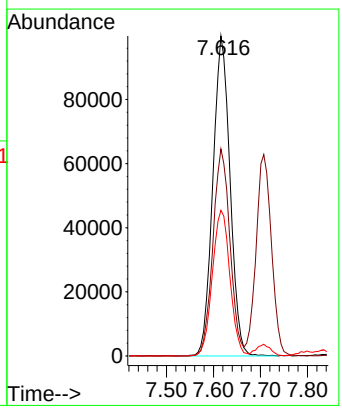


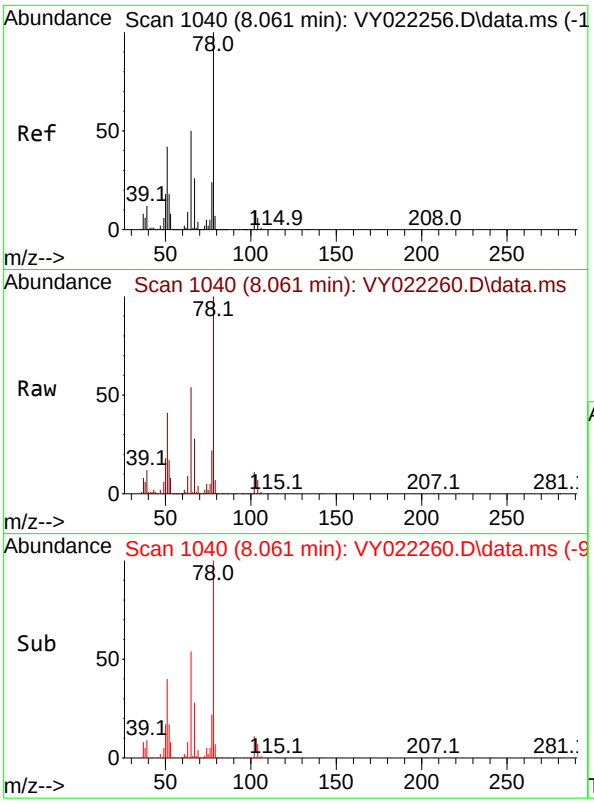


#32
1,1,1-Trichloroethane
Concen: 51.523 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 97 Resp: 253549

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	46.6	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 52.104 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 65 Resp: 14390

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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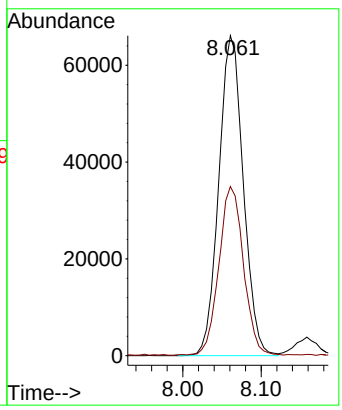
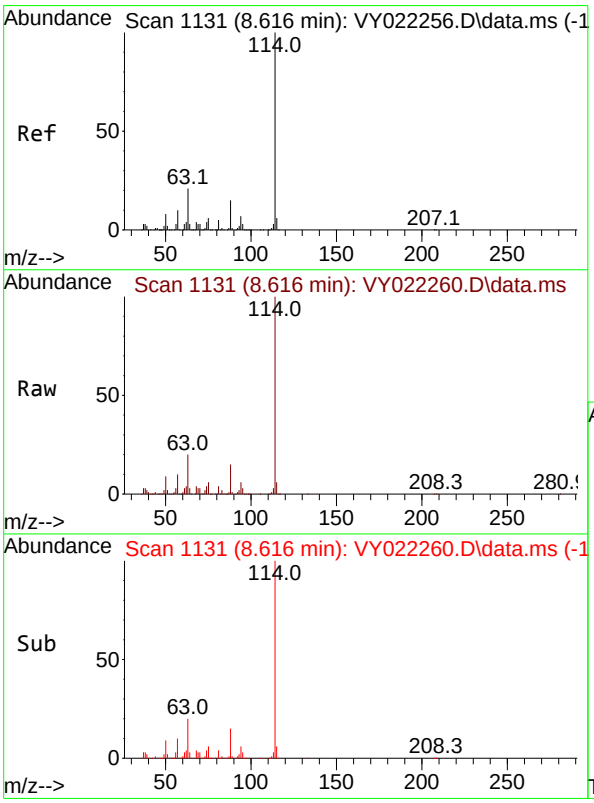
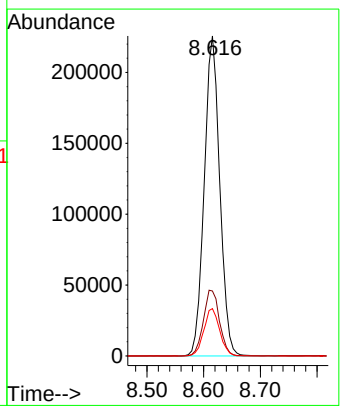


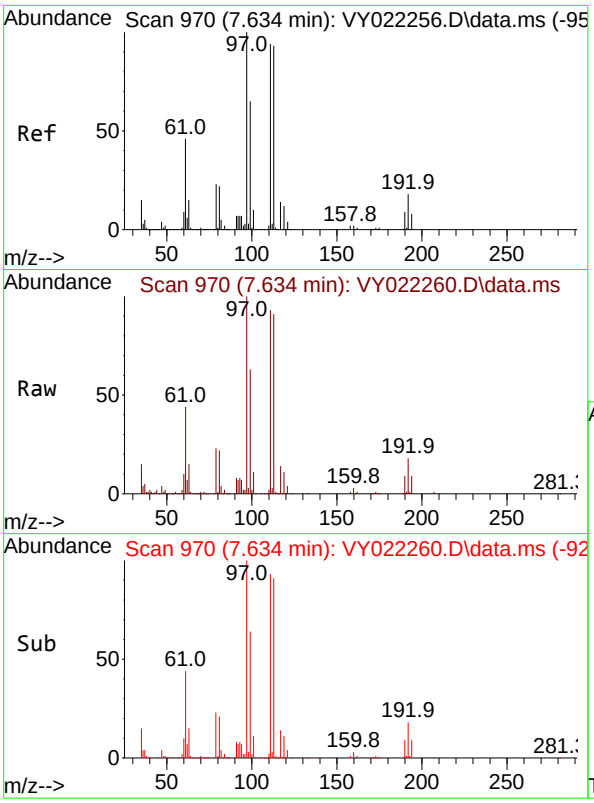


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:114 Resp: 428969

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	14.8	0.0	29.4

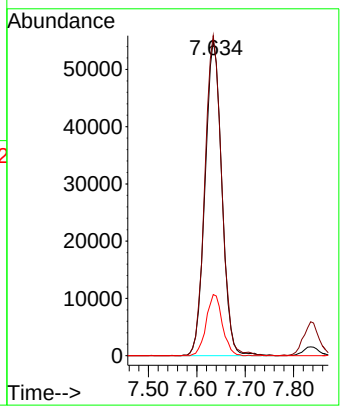




#35
Dibromofluoromethane
Concen: 51.658 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:113 Resp: 13226

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	18.7	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
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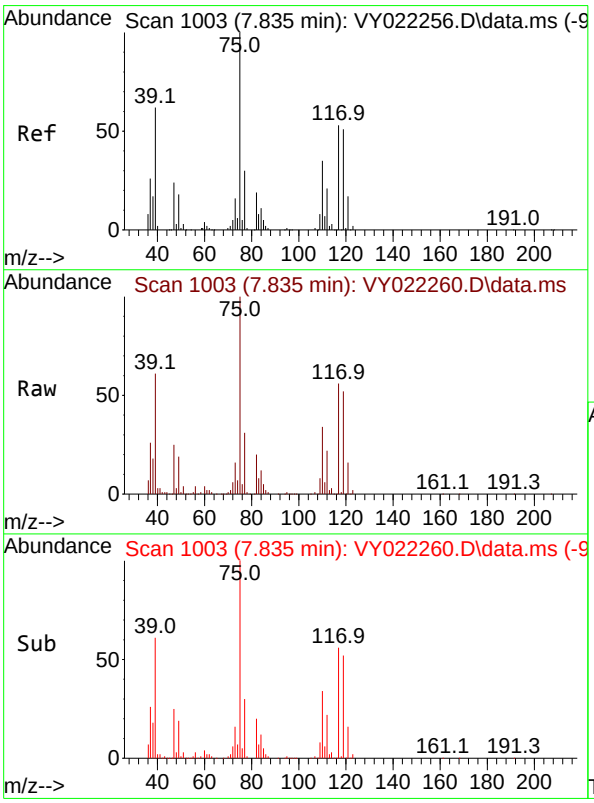
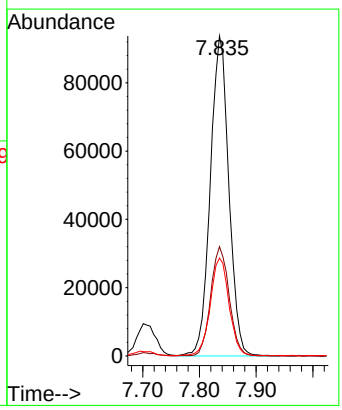
Supervised By :Semsettin Yesilyurt 05/16/2025

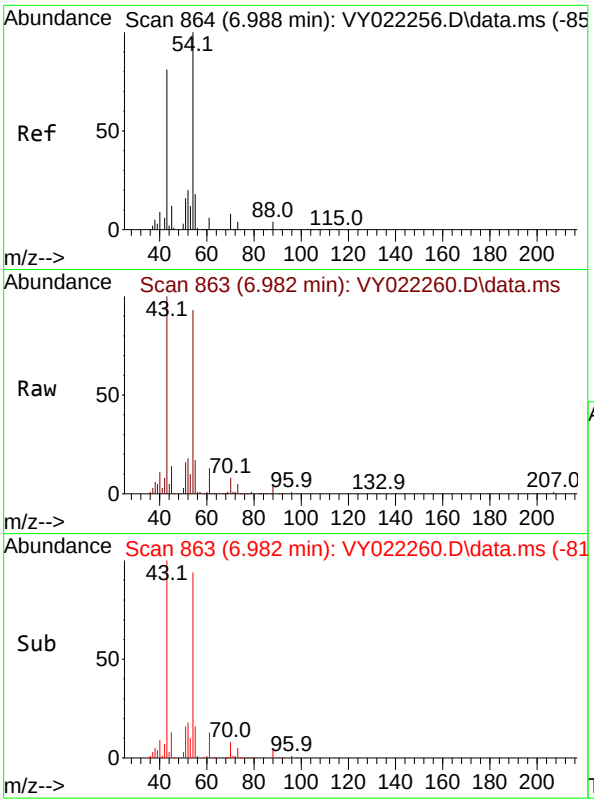


#36
1,1-Dichloropropene
Concen: 50.457 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 212786

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.6	49.8
77	30.7	24.6	37.0





#37
Ethyl Acetate
Concen: 50.633 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 10274

Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.2
70	8.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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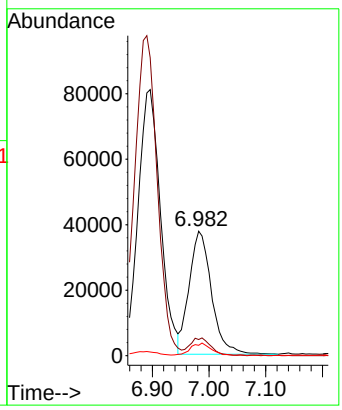
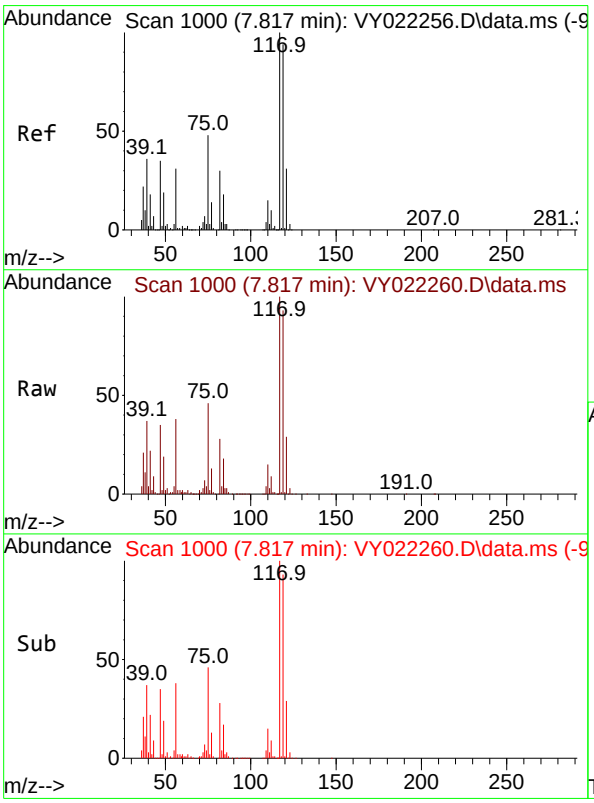
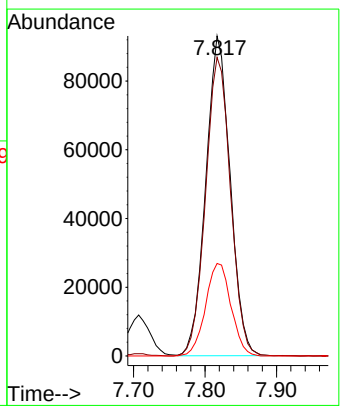


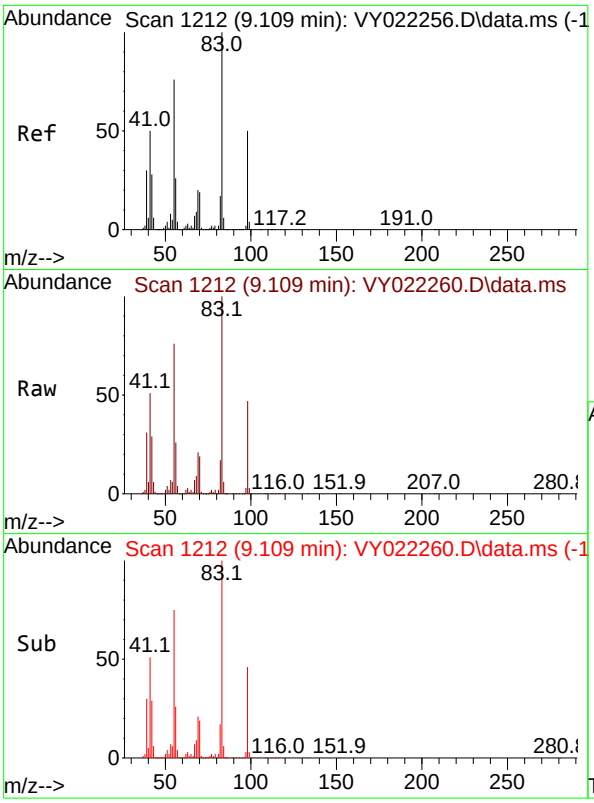


#38
Carbon Tetrachloride
Concen: 50.543 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 220636

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.3	112.9
121	28.9	24.7	37.1





#39
Methylcyclohexane
Concen: 50.015 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 28337

Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.6	90.8
98	46.5	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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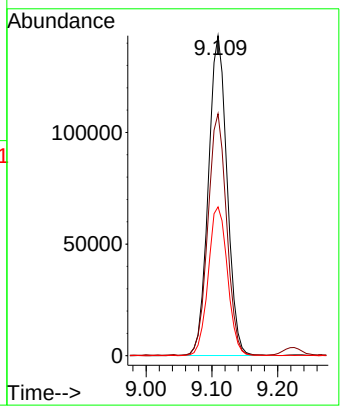
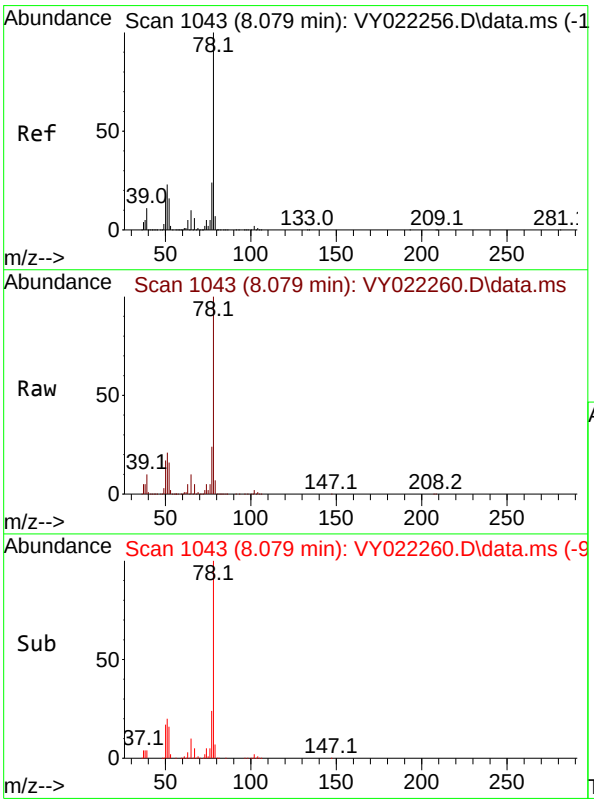
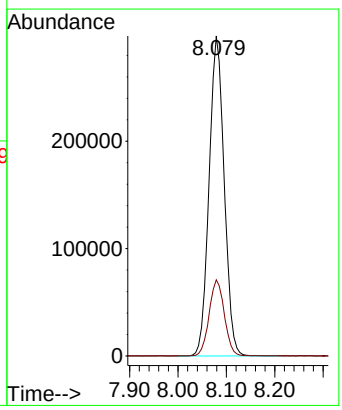


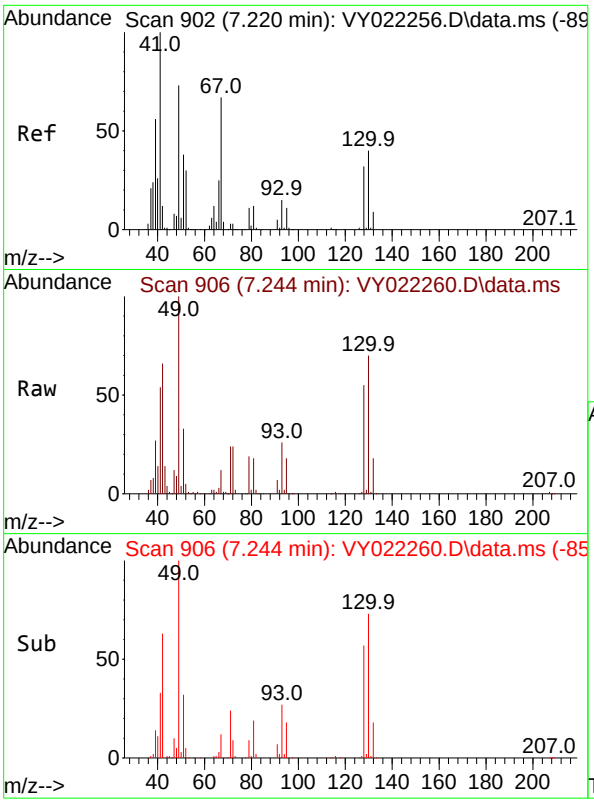


#40
Benzene
Concen: 51.696 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 78 Resp: 646289

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3

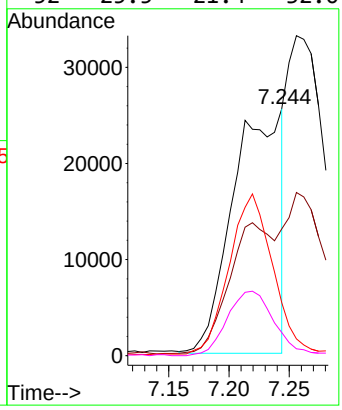




#41
Methacrylonitrile
Concen: 53.599 ug/l m
RT: 7.244 min Scan# 9
Delta R.T. 0.024 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 7214

Ion	Ratio	Lower	Upper
41	100		
39	48.1	39.1	58.7
67	58.4	47.1	70.7
52	25.5	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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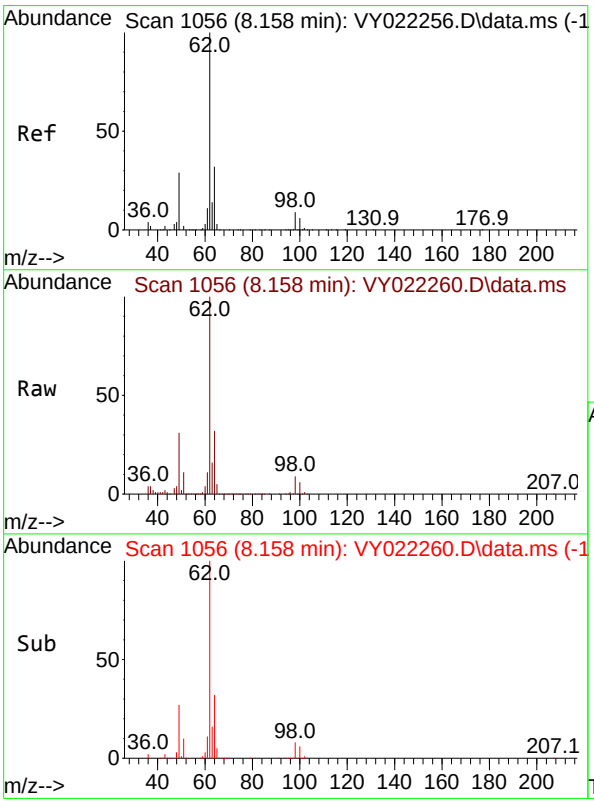
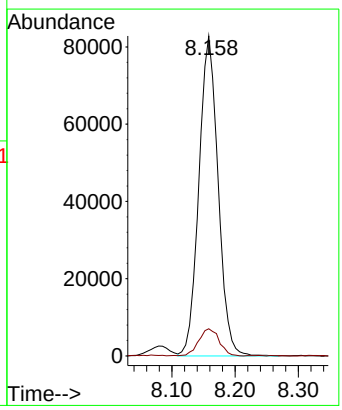
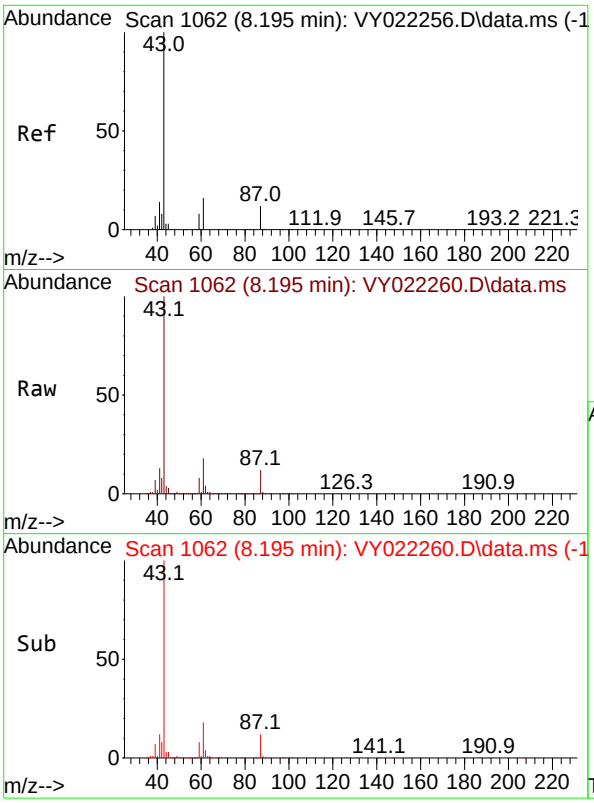


#42
1,2-Dichloroethane
Concen: 51.834 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 62 Resp: 175241

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4

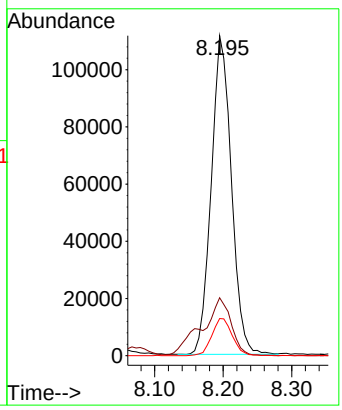




#43
Isopropyl Acetate
Concen: 51.415 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 22752

Ion	Ratio	Lower	Upper
43	100		
61	26.5	15.1	22.7#
87	11.9	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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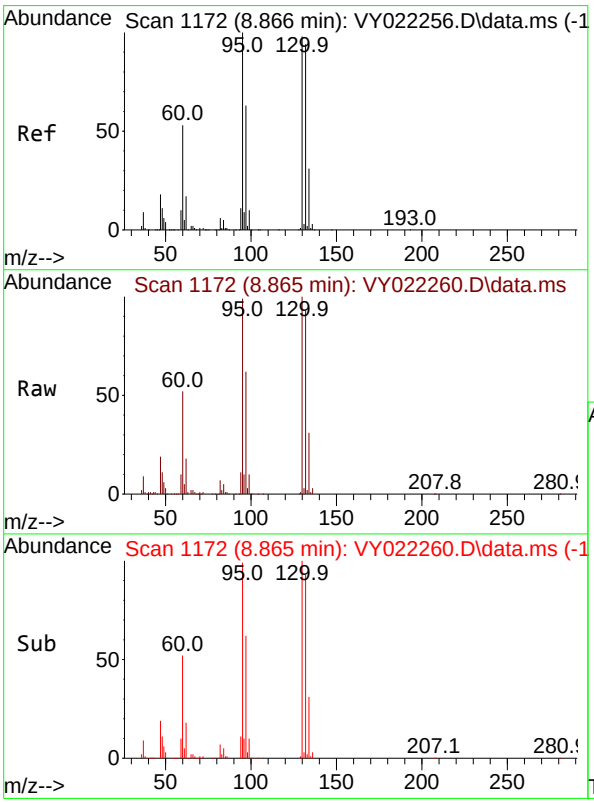
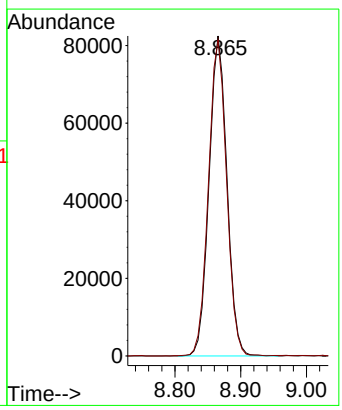
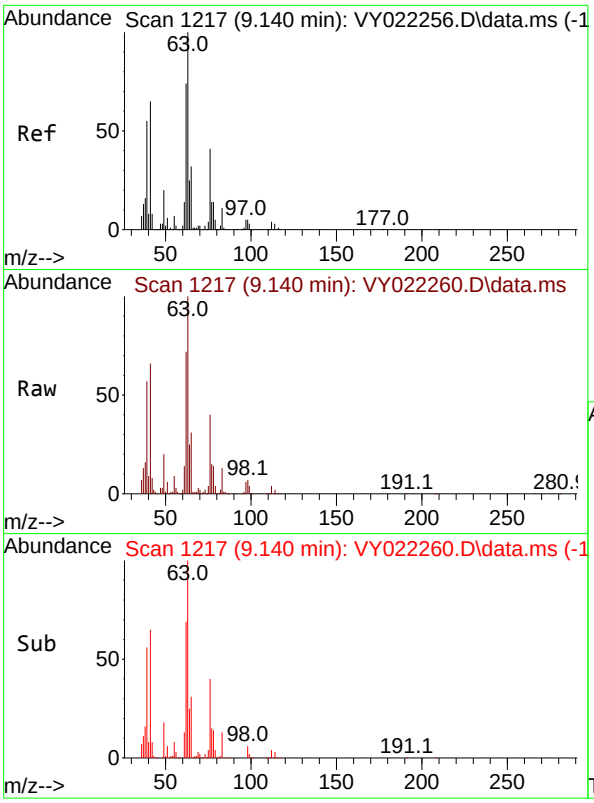


#44
Trichloroethene
Concen: 50.335 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:130 Resp: 156468

Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	204.8





#45
1,2-Dichloropropane
Concen: 51.417 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 15497

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
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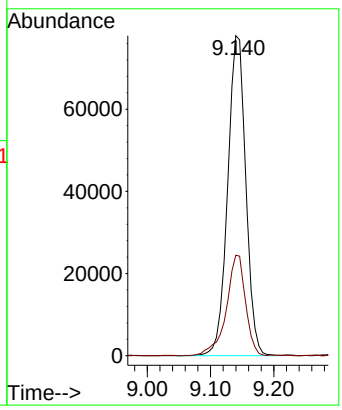
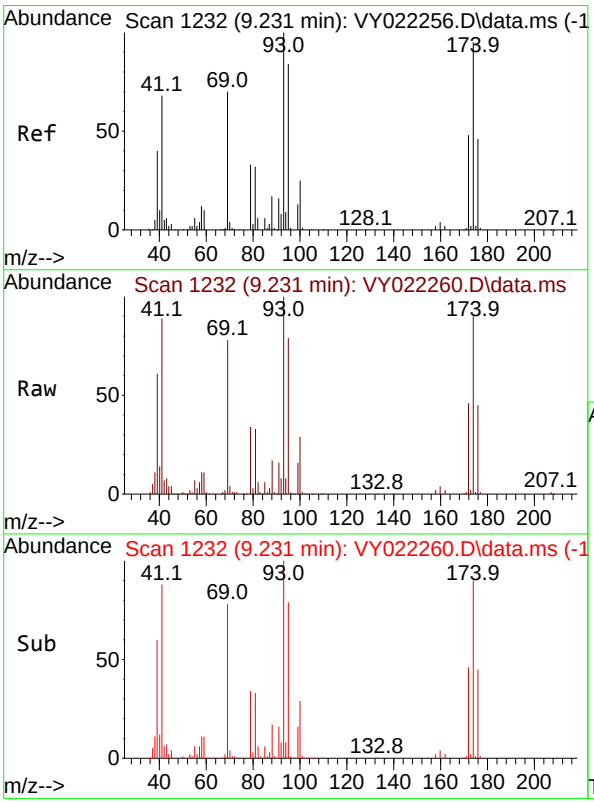
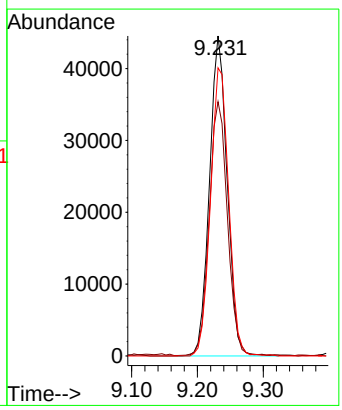


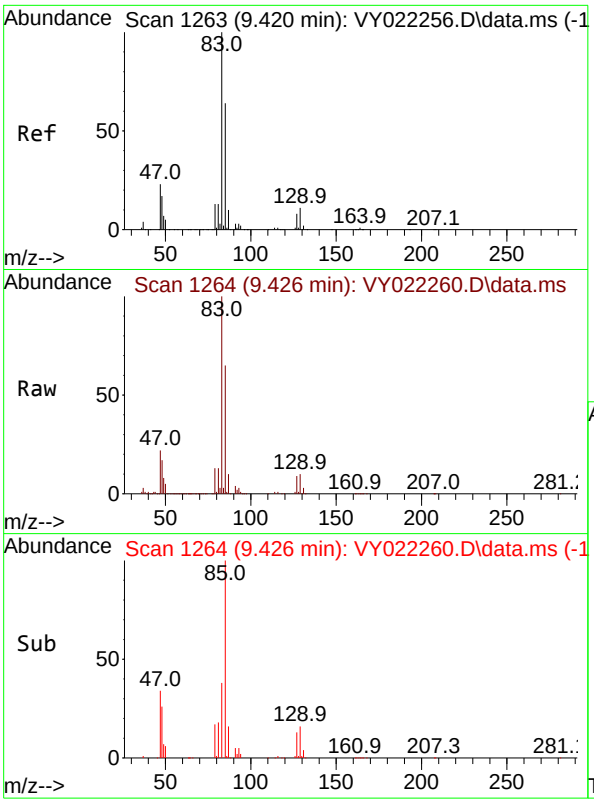


#46
Dibromomethane
Concen: 51.423 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 93 Resp: 83597

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.2	97.8
174	92.4	74.3	111.5

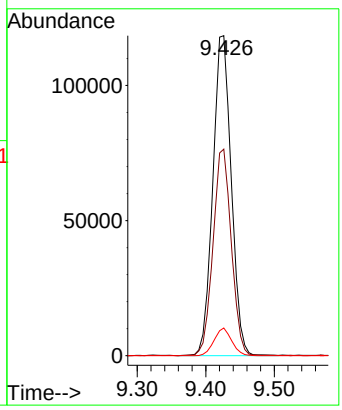




#47
Bromodichloromethane
Concen: 52.508 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 22144

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	8.6	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
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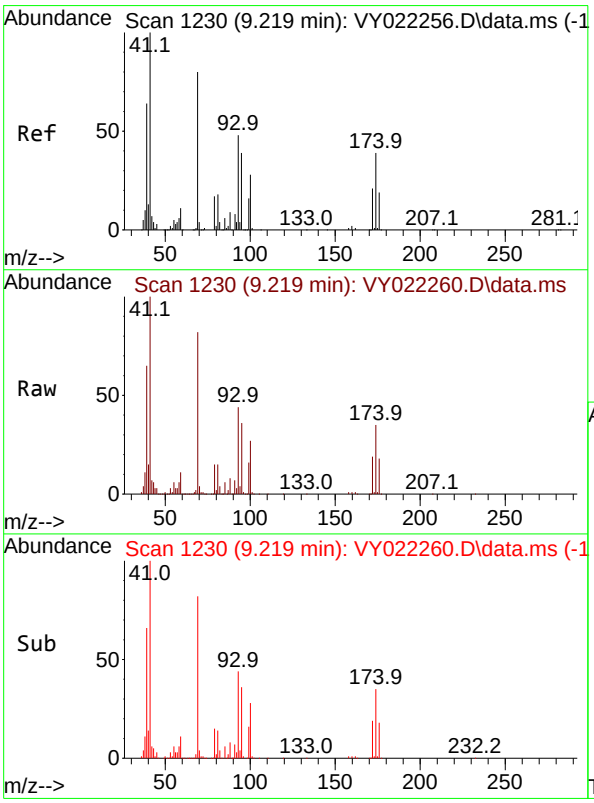
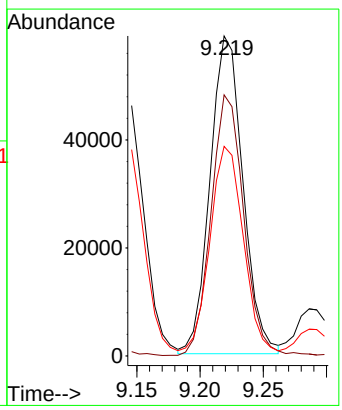
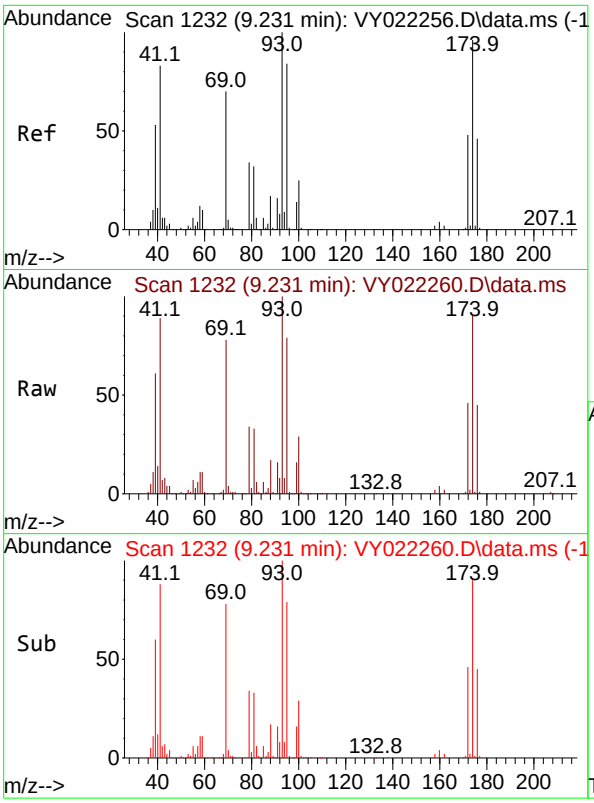


#48
Methyl methacrylate
Concen: 51.357 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 41 Resp: 106283

Ion	Ratio	Lower	Upper
41	100		
69	81.5	63.5	95.3
39	64.6	50.8	76.2

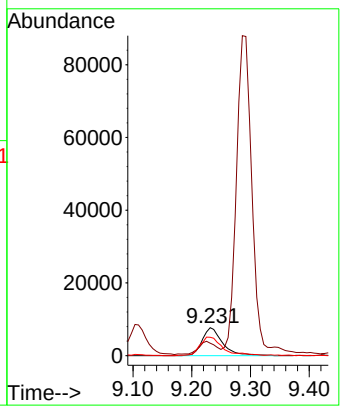




#49
1,4-Dioxane
Concen: 1008.479 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 88 Resp: 1852

Ion	Ratio	Lower	Upper
88	100		
43	40.7	28.5	42.7
58	74.5	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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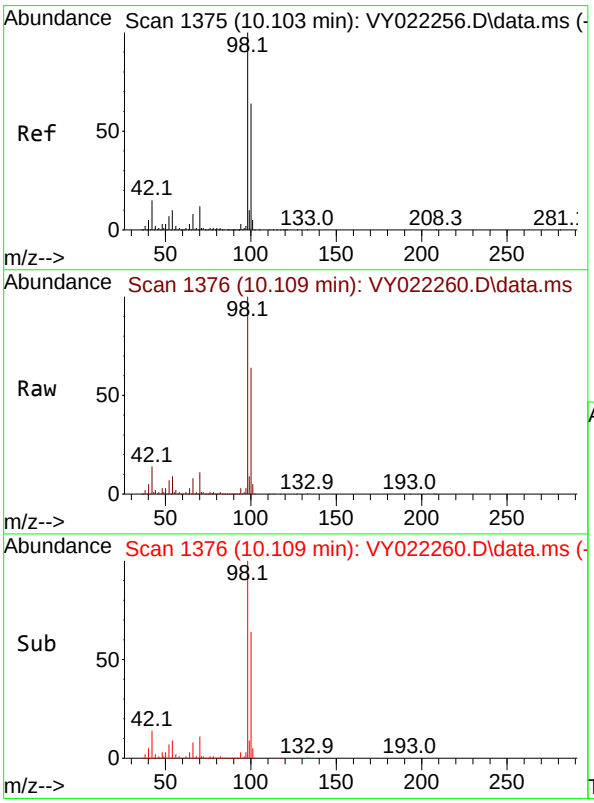
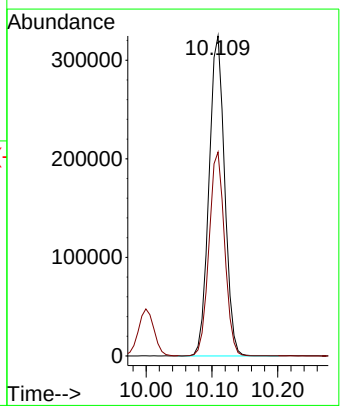
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

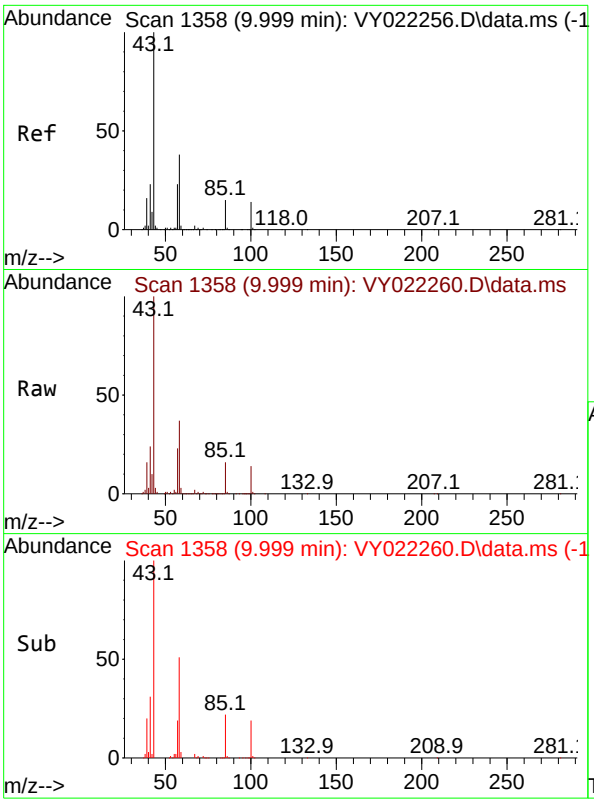


#50
Toluene-d8
Concen: 51.229 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 98 Resp: 537188

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.8	77.8

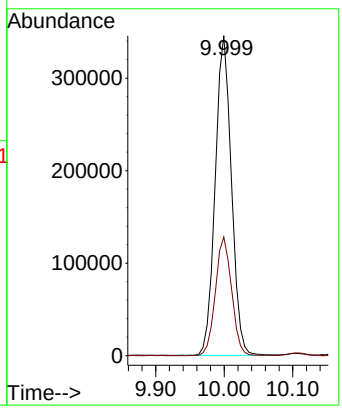




#51
4-Methyl-2-Pentanone
Concen: 261.463 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 56772

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.2



Instrument :
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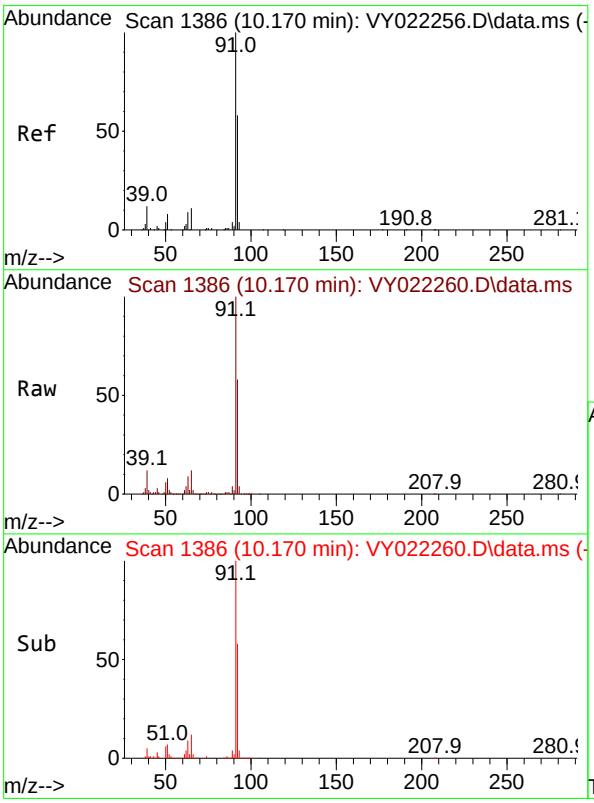
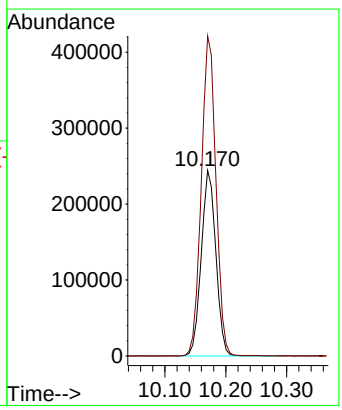
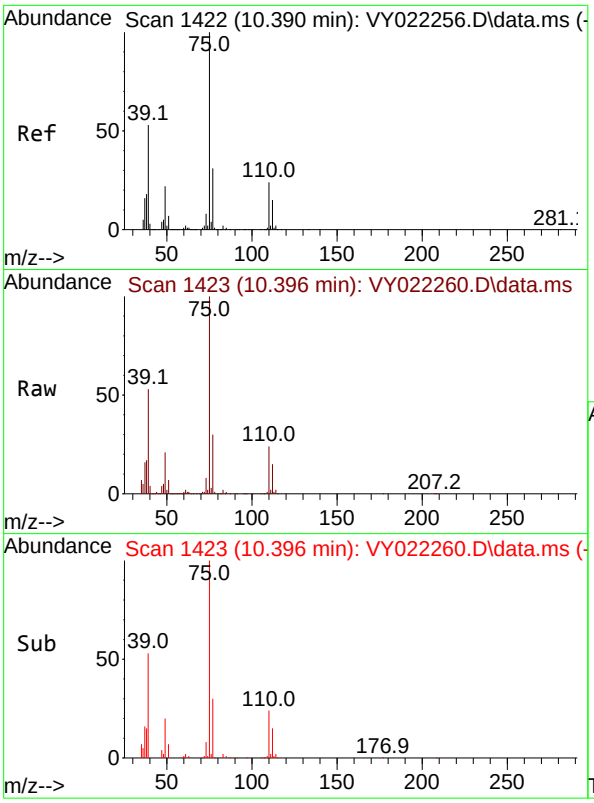


#52
Toluene
Concen: 51.337 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 92 Resp: 406420

Ion	Ratio	Lower	Upper
92	100		
91	173.0	139.1	208.7

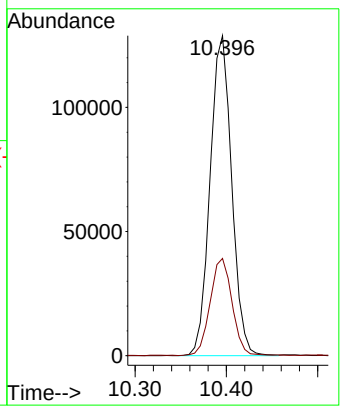




#53
t-1,3-Dichloropropene
Concen: 51.458 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 21179

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.6



Instrument :
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ClientSampleId :
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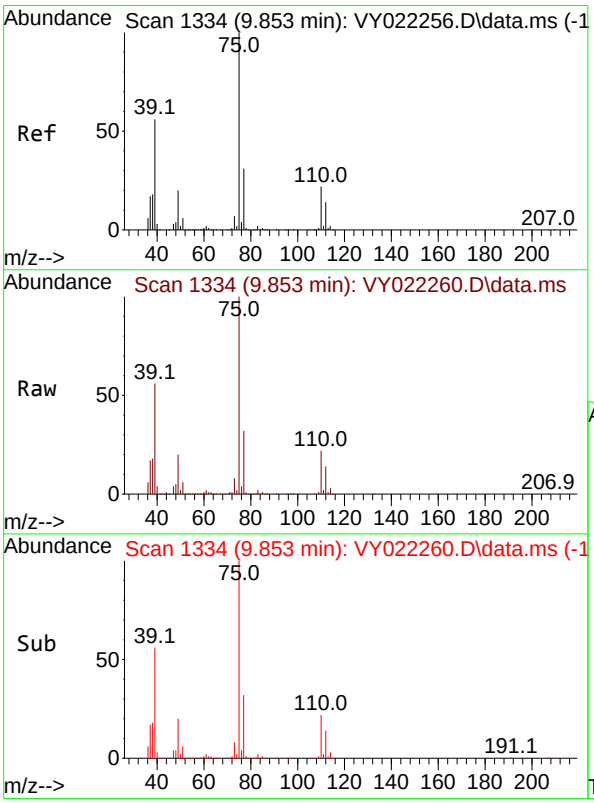
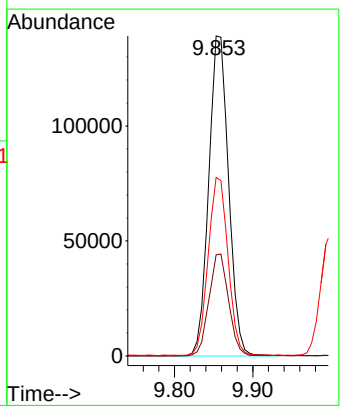
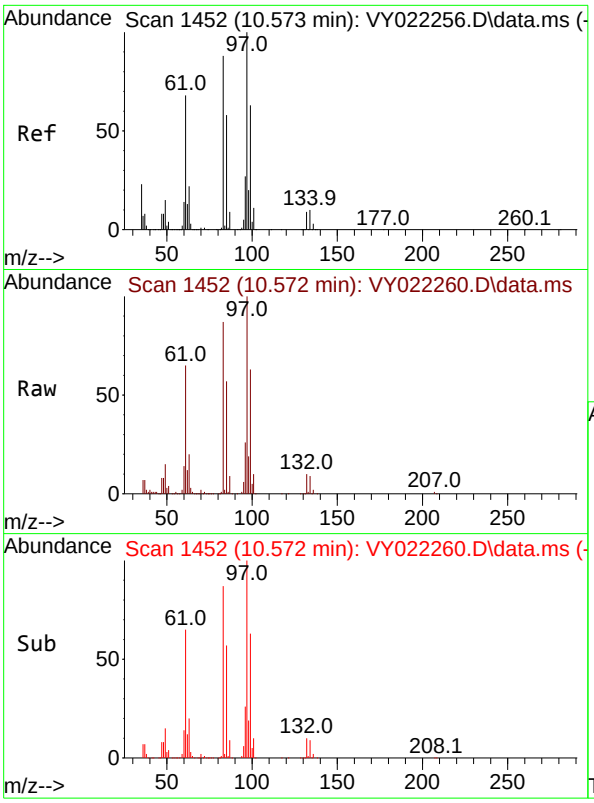


#54
cis-1,3-Dichloropropene
Concen: 51.916 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 244811

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	55.6	44.5	66.7

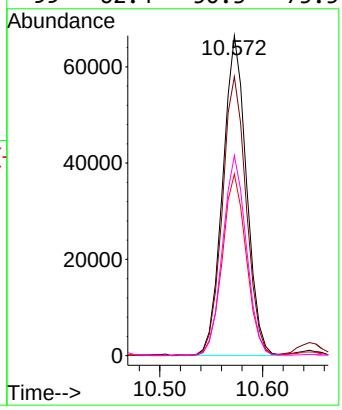




#55
1,1,2-Trichloroethane
Concen: 51.142 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 97 Resp: 10646

Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.3	105.5
85	56.6	46.2	69.4
99	62.4	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
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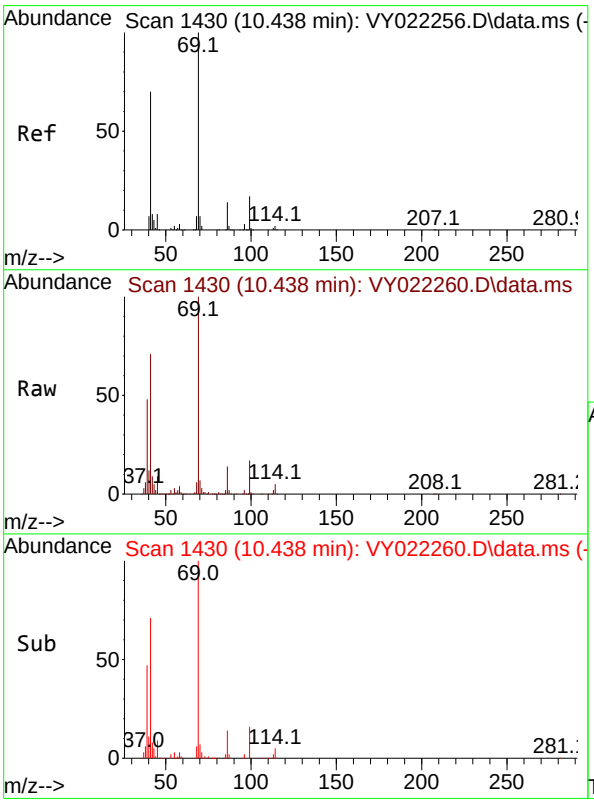
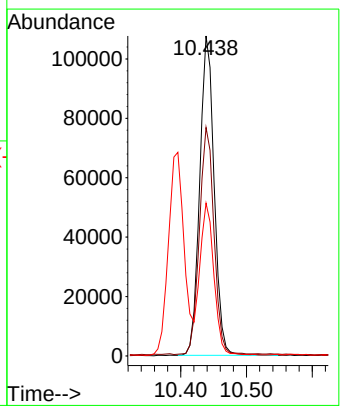
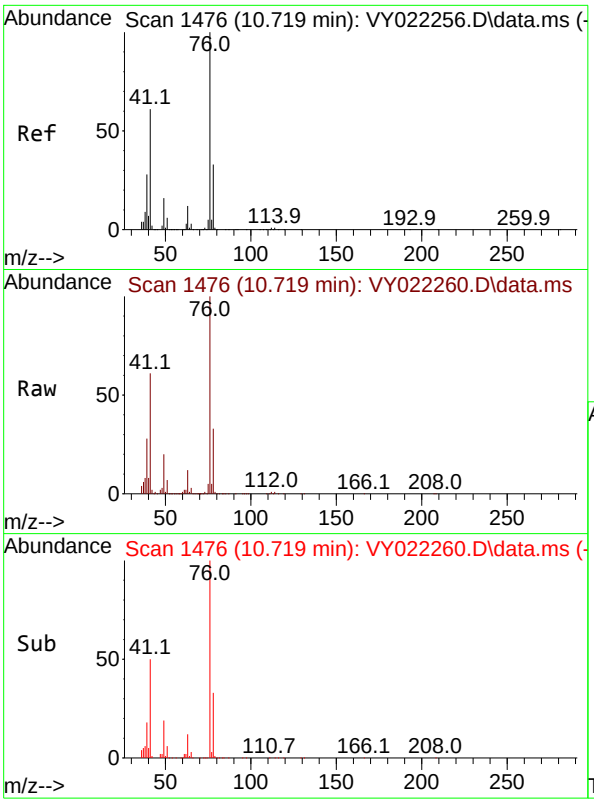


#56
Ethyl methacrylate
Concen: 50.639 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 69 Resp: 164207

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.5	84.7
39	45.6	37.1	55.7

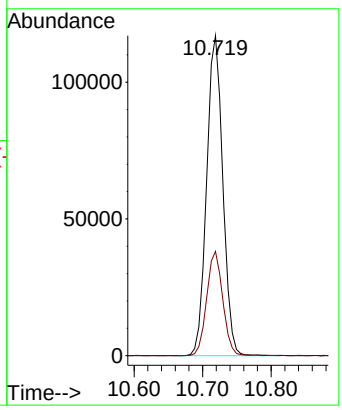




#57
1,3-Dichloropropane
Concen: 51.880 ug/l
RT: 10.719 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 76 Resp: 19188

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
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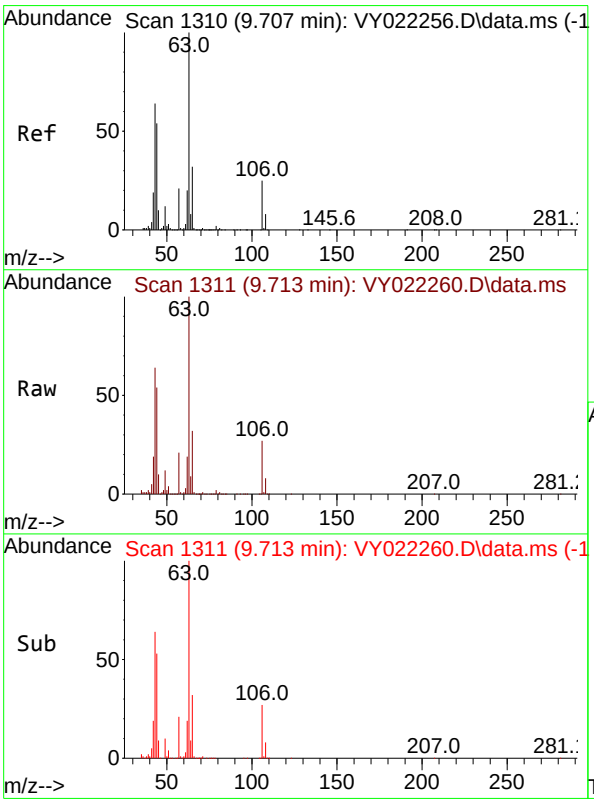
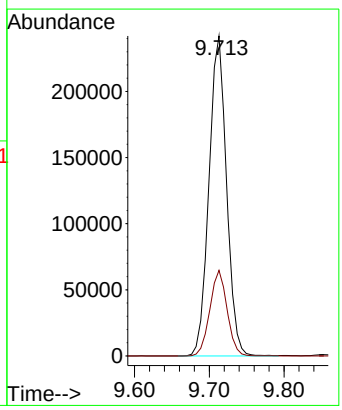
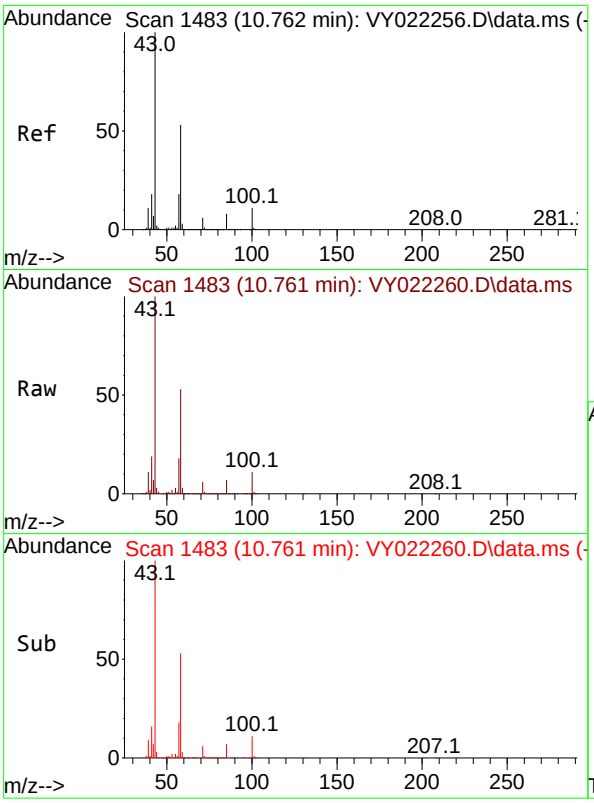


#58
2-Chloroethyl Vinyl ether
Concen: 271.104 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 63 Resp: 394587

Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.0	31.4





#59
2-Hexanone
Concen: 257.738 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 37522

Ion	Ratio	Lower	Upper
43	100		
58	52.0	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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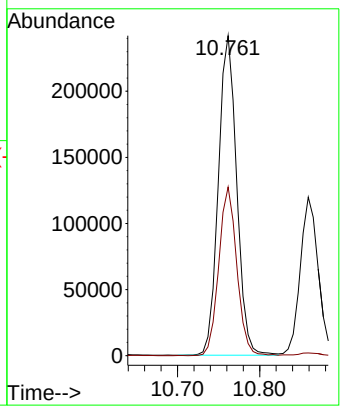
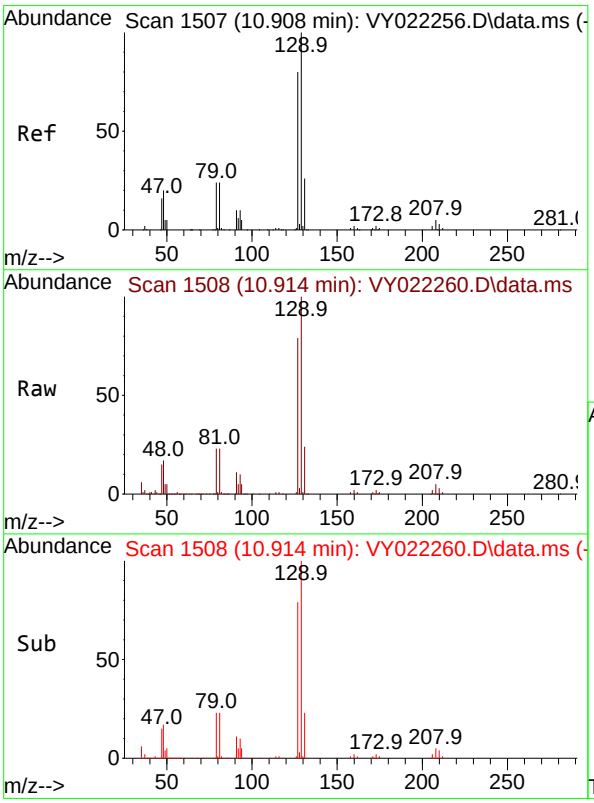
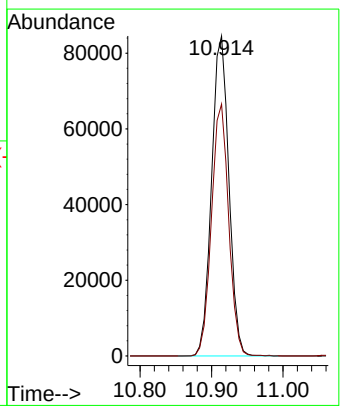


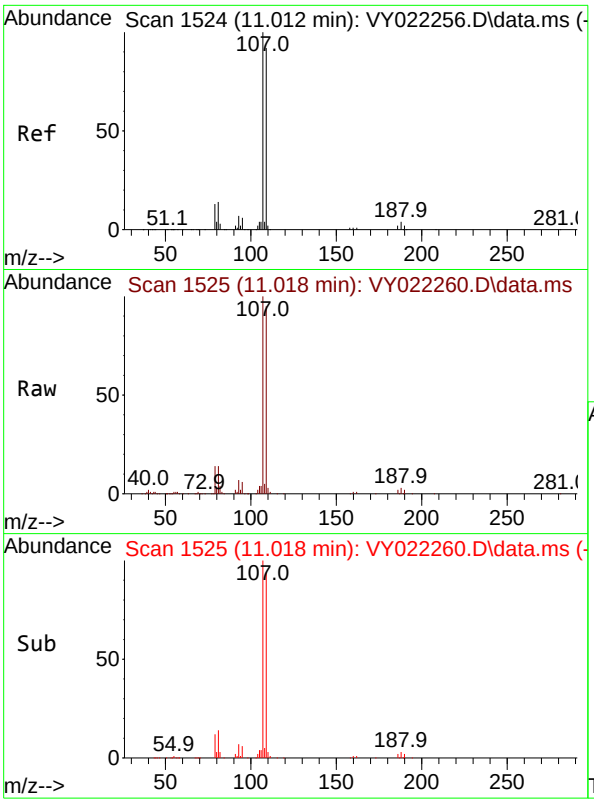


#60
Dibromochloromethane
Concen: 52.425 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:129 Resp: 141652

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.7





#61
1,2-Dibromoethane
Concen: 51.428 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:107 Resp: 9978

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
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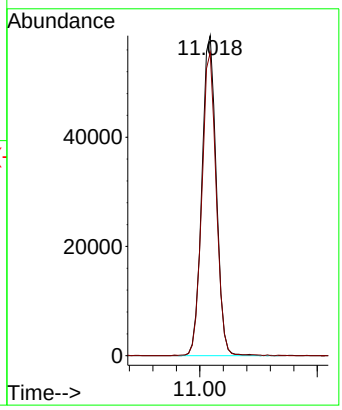
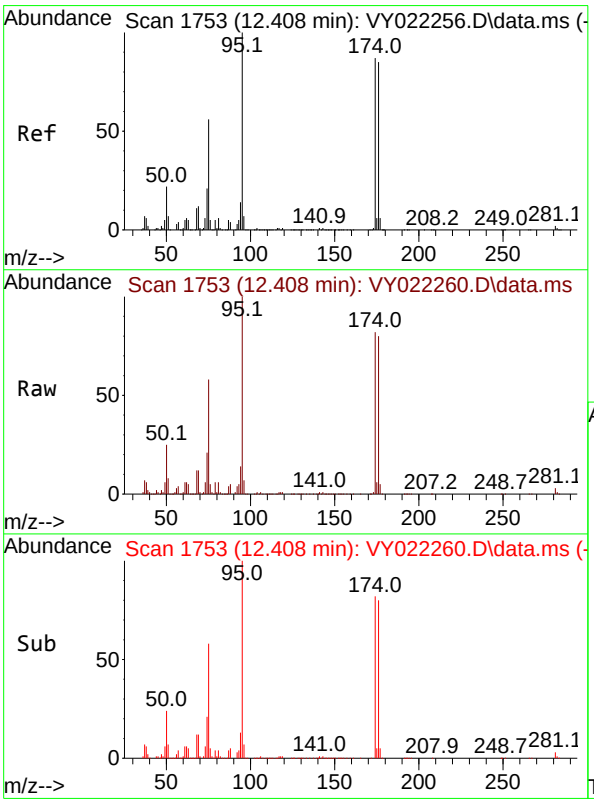
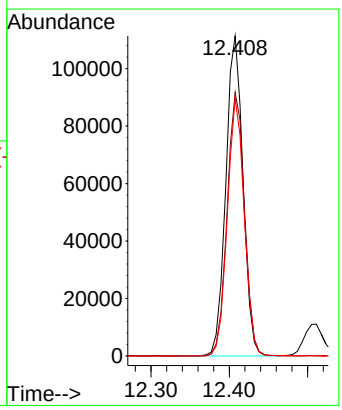


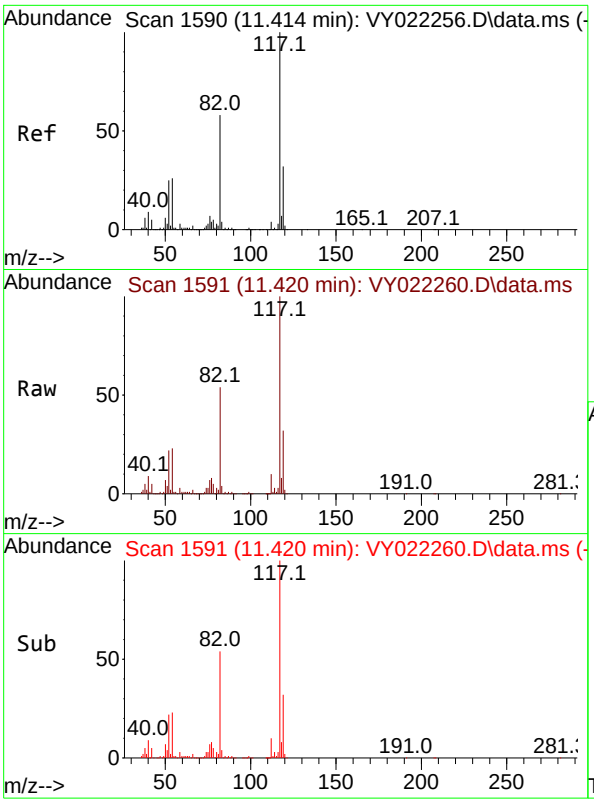


#62
4-Bromofluorobenzene
Concen: 51.020 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 95 Resp: 169575

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	166.8
176	79.1	0.0	160.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 375548

Ion	Ratio	Lower	Upper
117	100		
82	54.1	46.6	70.0
119	31.8	25.8	38.6

Instrument :
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ClientSampleId :
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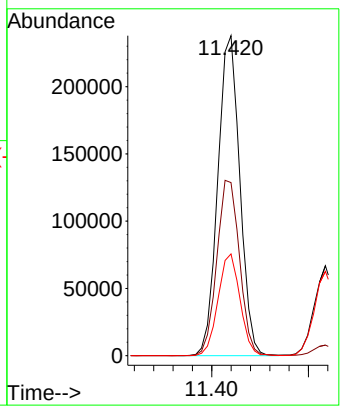
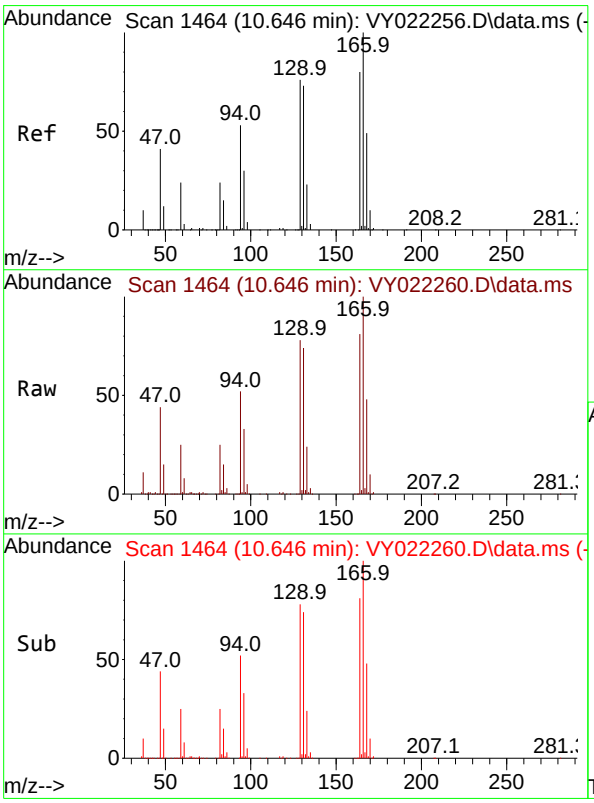
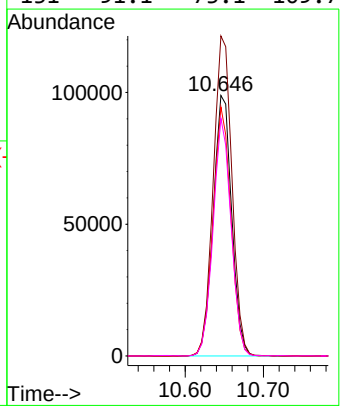


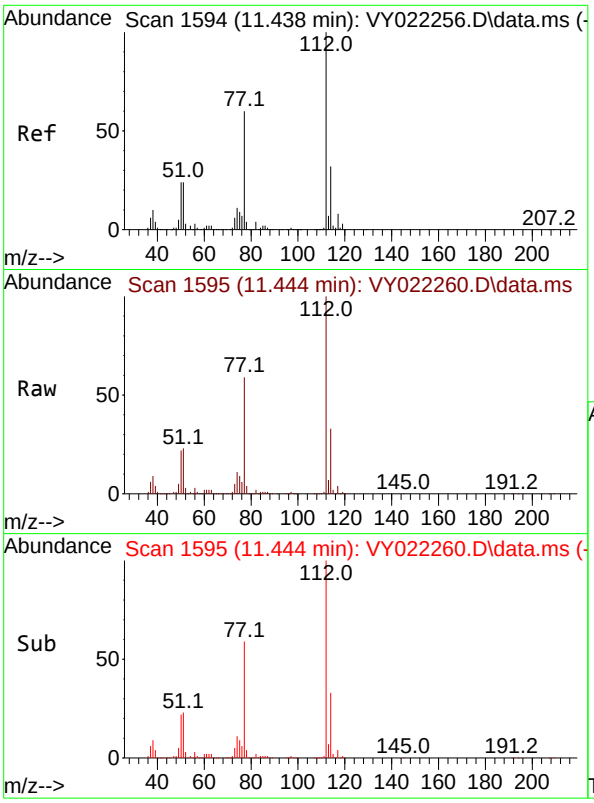


#64
Tetrachloroethene
Concen: 46.905 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:164 Resp: 162818

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.4	150.6
129	95.5	76.4	114.6
131	91.1	73.1	109.7

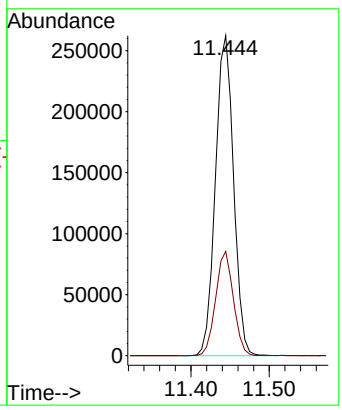




#65
Chlorobenzene
Concen: 49.827 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:112 Resp: 42217

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6



Instrument :
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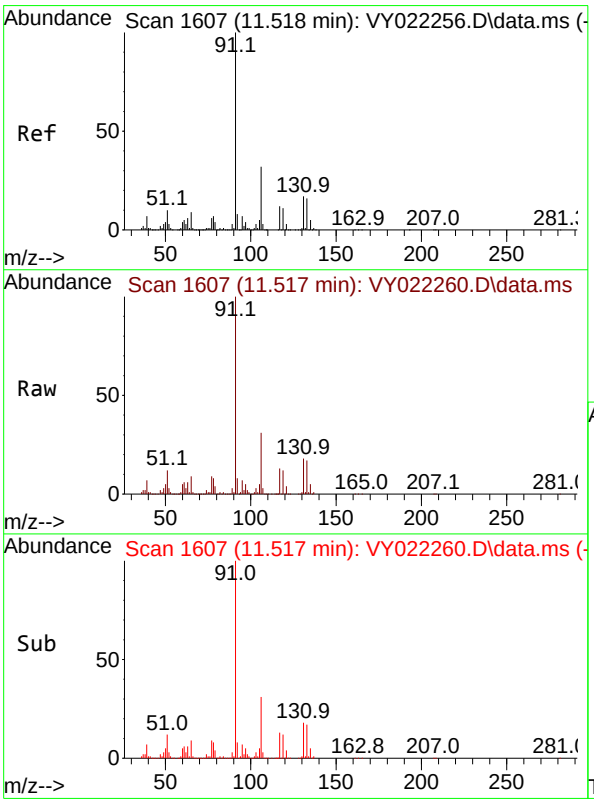
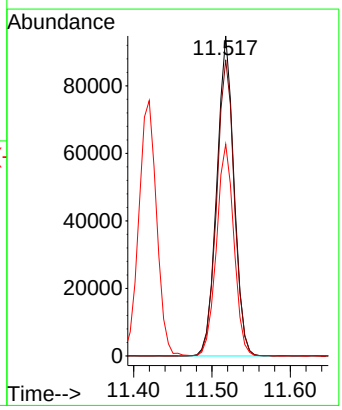
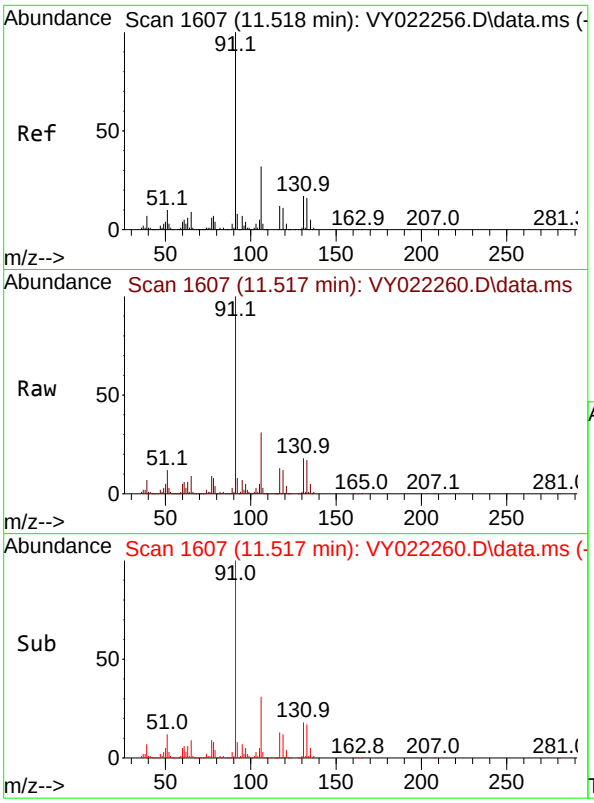


#66
1,1,1,2-Tetrachloroethane
Concen: 49.656 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:131 Resp: 144636

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	67.0	33.1	99.2

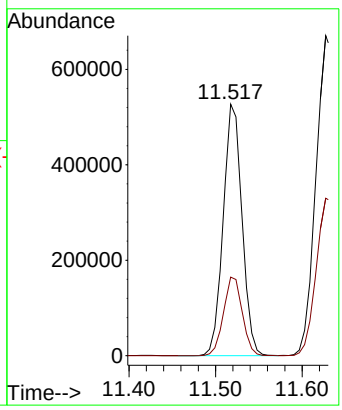




#67
Ethyl Benzene
Concen: 50.100 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 79497

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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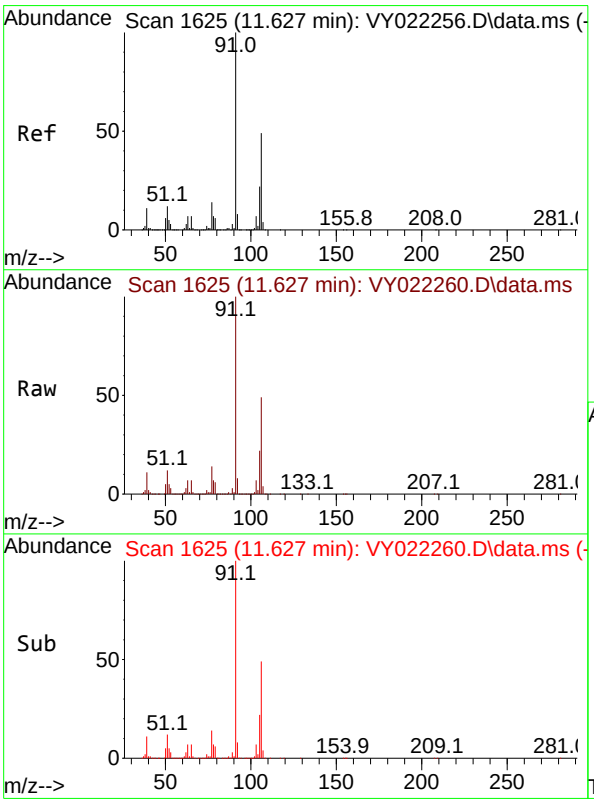
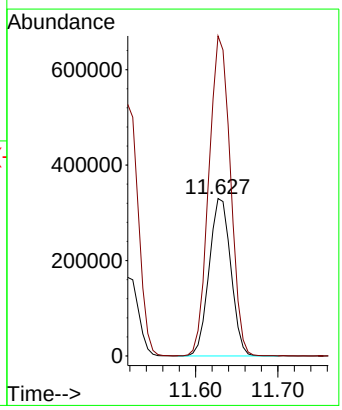
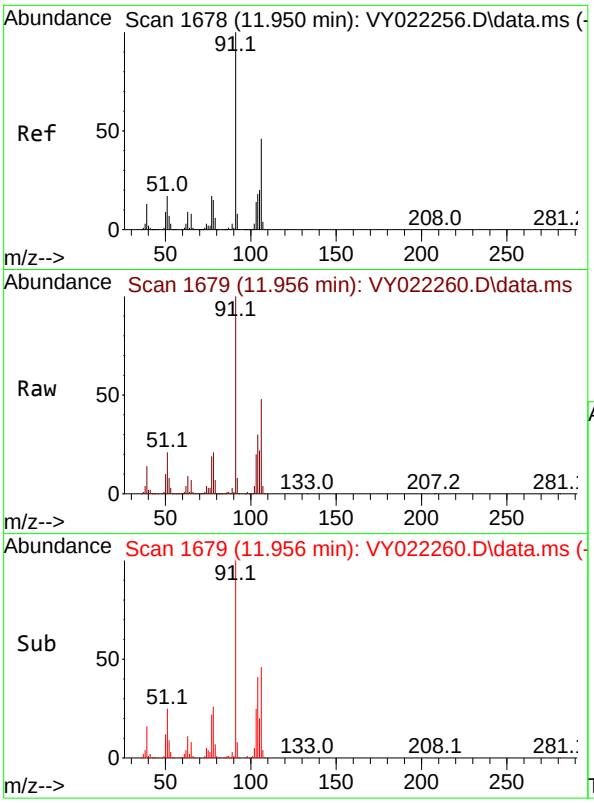


#68
m/p-Xylenes
Concen: 101.087 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:106 Resp: 604420

Ion	Ratio	Lower	Upper
106	100		
91	202.6	163.0	244.4





#69
o-Xylene
Concen: 50.682 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:106 Resp: 28671

Ion	Ratio	Lower	Upper
106	100		
91	213.3	108.3	324.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
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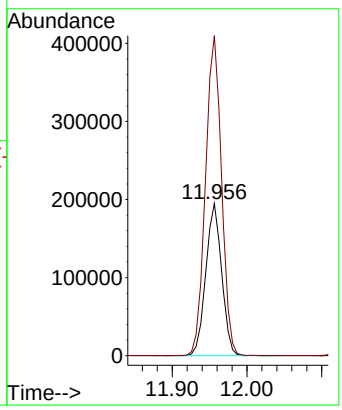
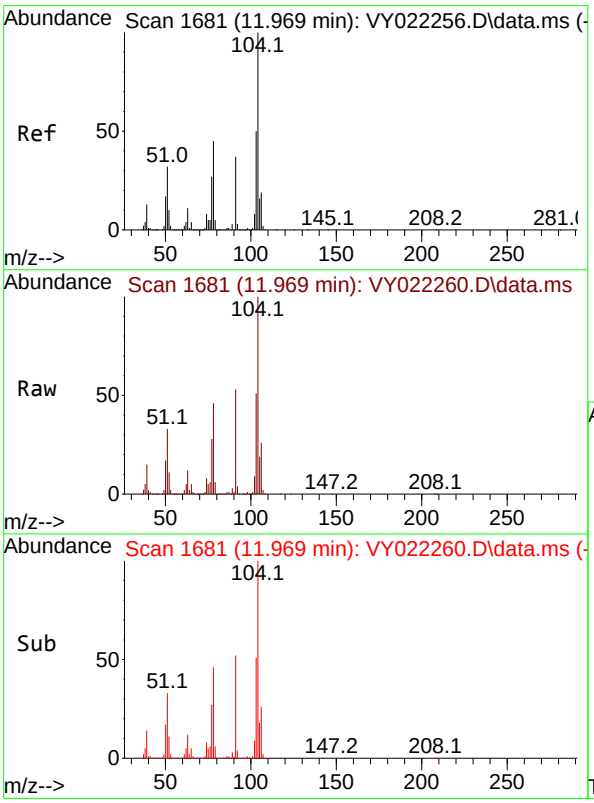
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

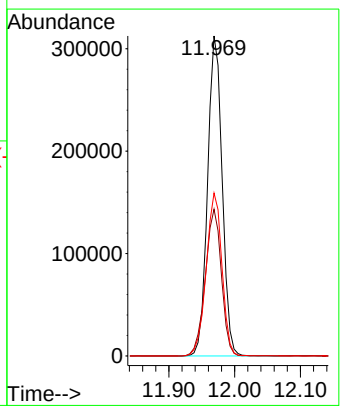


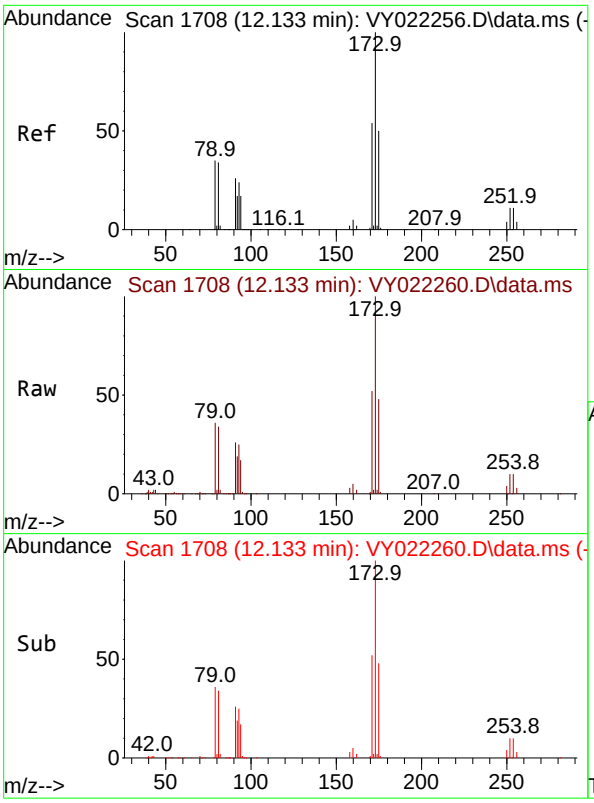


#70
Styrene
Concen: 50.471 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:104 Resp: 481621

Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.9	61.3
103	55.1	43.7	65.5

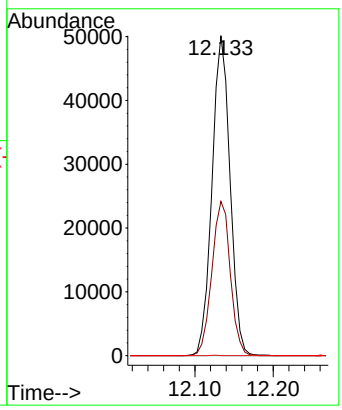




#71
Bromoform
Concen: 51.022 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:173 Resp: 8021

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.1	0.0	0.0#



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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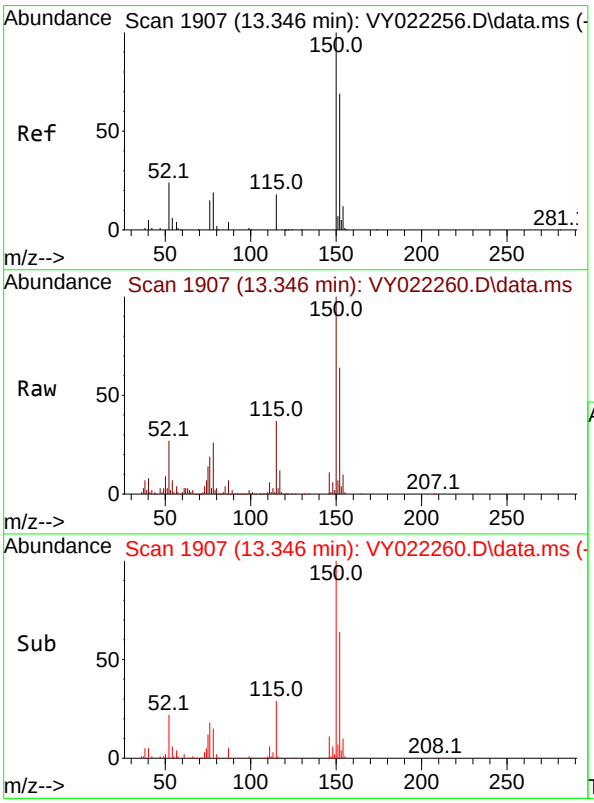
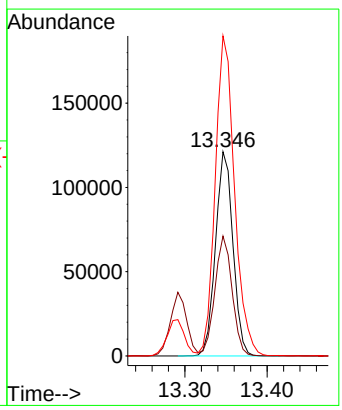
Supervised By :Semsettin Yesilyurt 05/16/2025

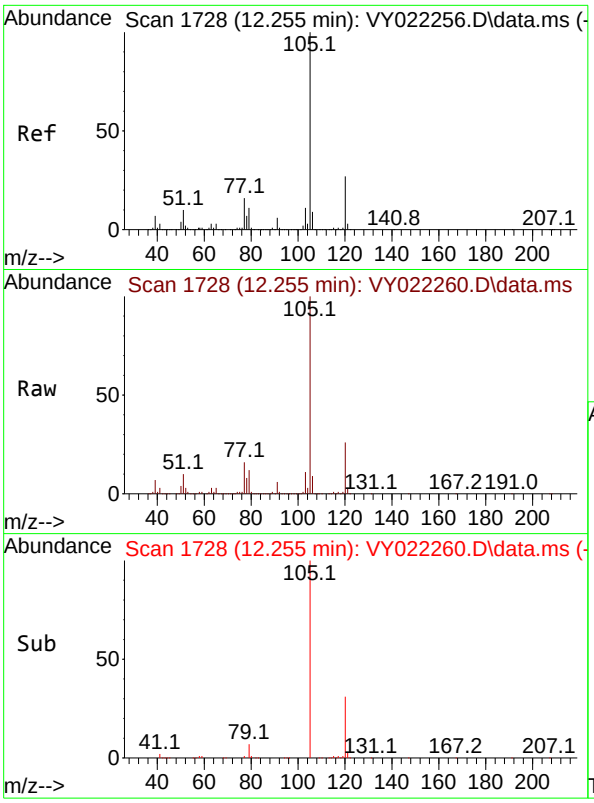


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:152 Resp: 178387

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.4	88.2
150	173.8	0.0	353.8

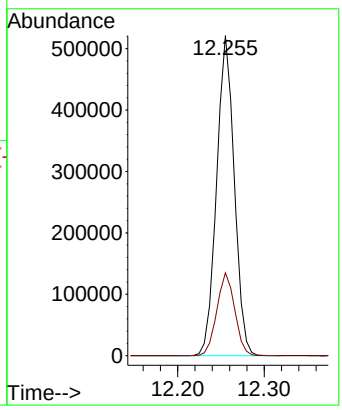




#73
Isopropylbenzene
Concen: 49.964 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 73839

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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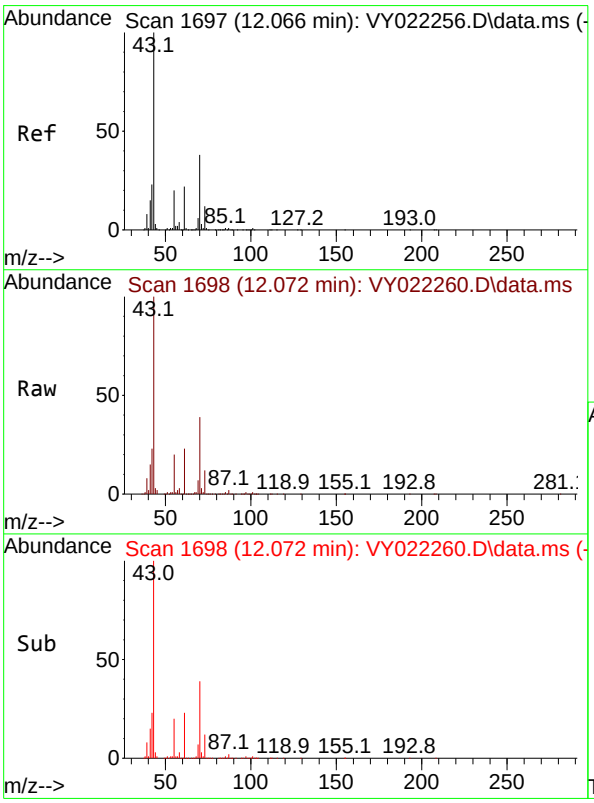
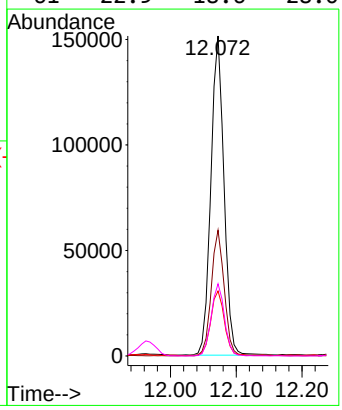
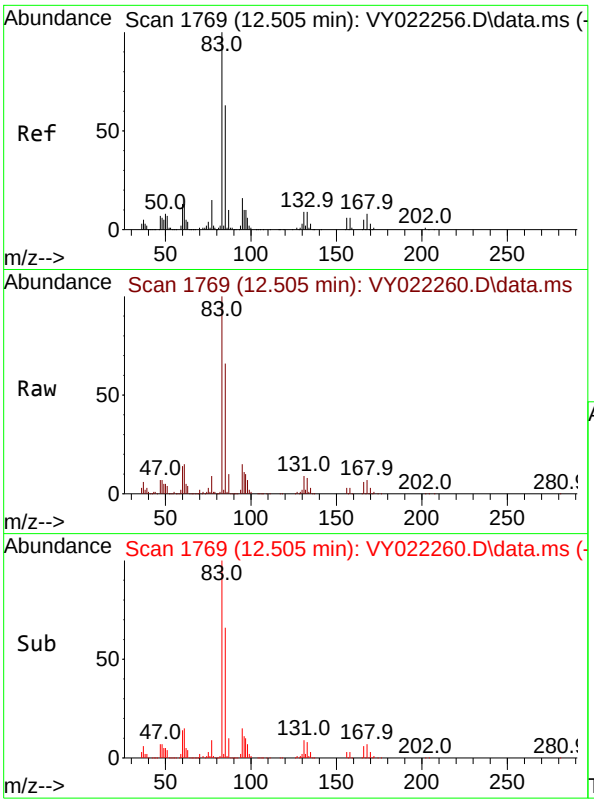


#74
N-amyl acetate
Concen: 49.805 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 43 Resp: 210510

Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.4	47.0
55	20.7	17.0	25.6
61	22.9	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 53.062 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 83 Resp: 12059

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	61.7	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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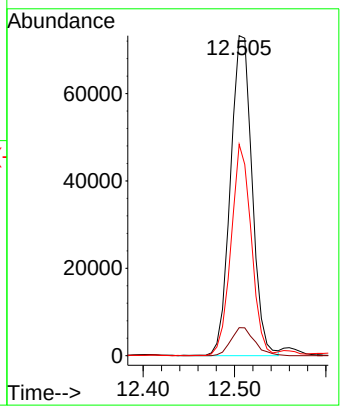
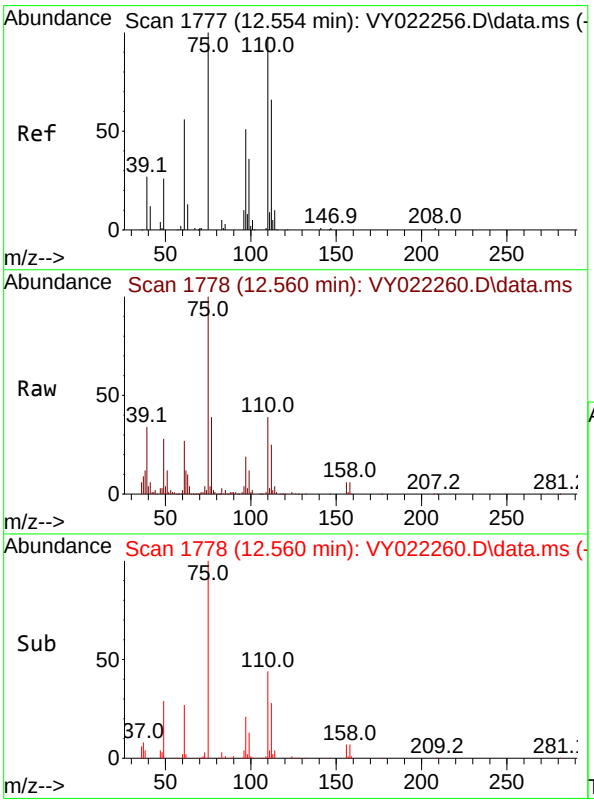
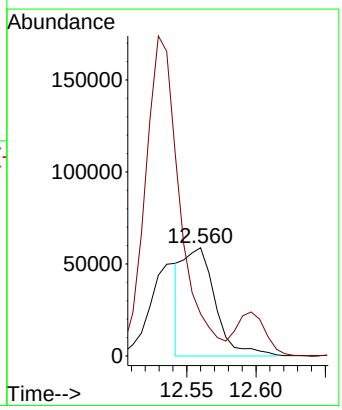


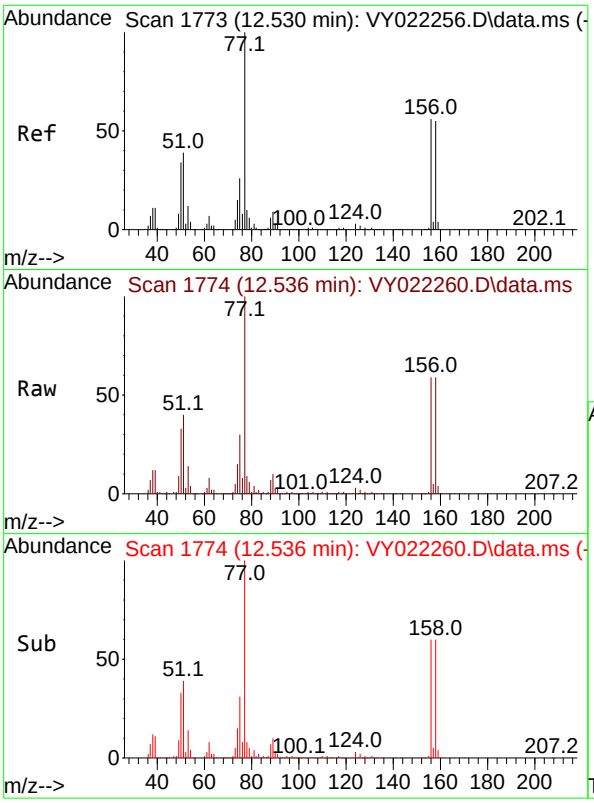


#76
1,2,3-Trichloropropane
Concen: 53.564 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 96804

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

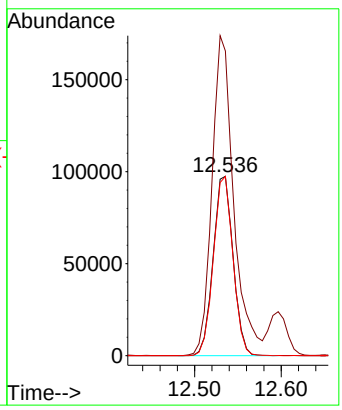




#77
Bromobenzene
Concen: 49.374 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:156 Resp: 15584

Ion	Ratio	Lower	Upper
156	100		
77	194.2	94.5	283.6
158	98.0	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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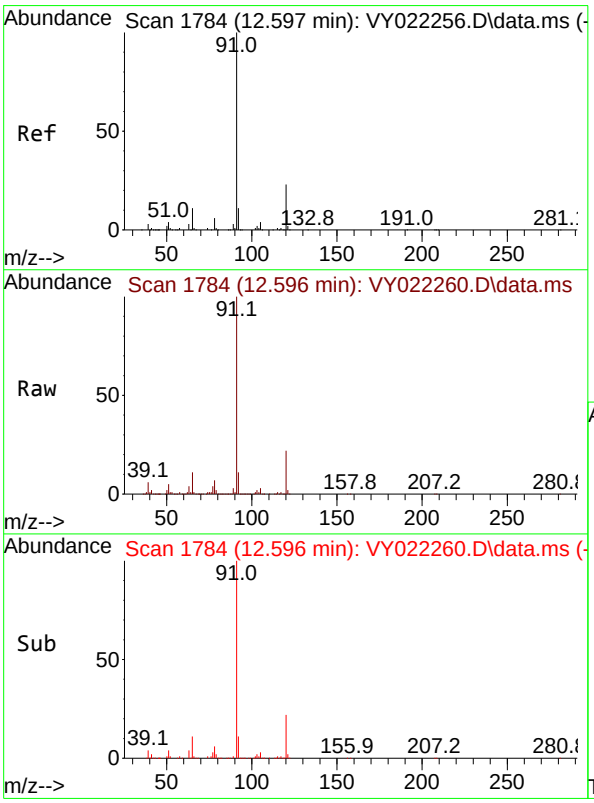
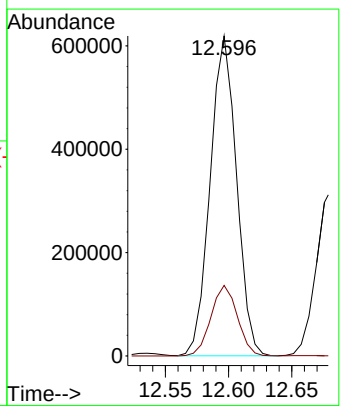
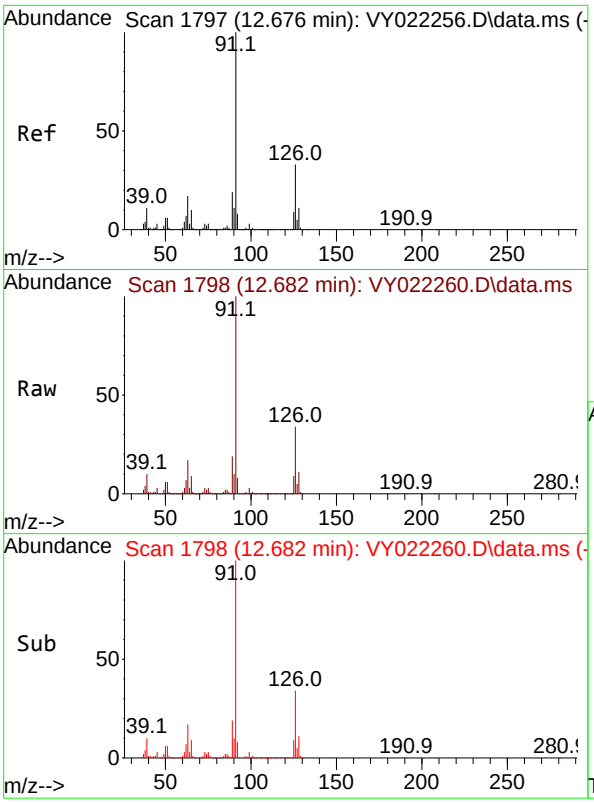


#78
n-propylbenzene
Concen: 50.296 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 896555

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

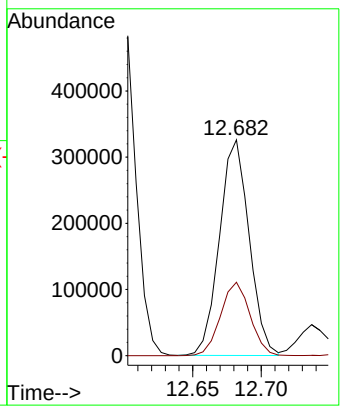




#79
2-Chlorotoluene
Concen: 50.130 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 49107

Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
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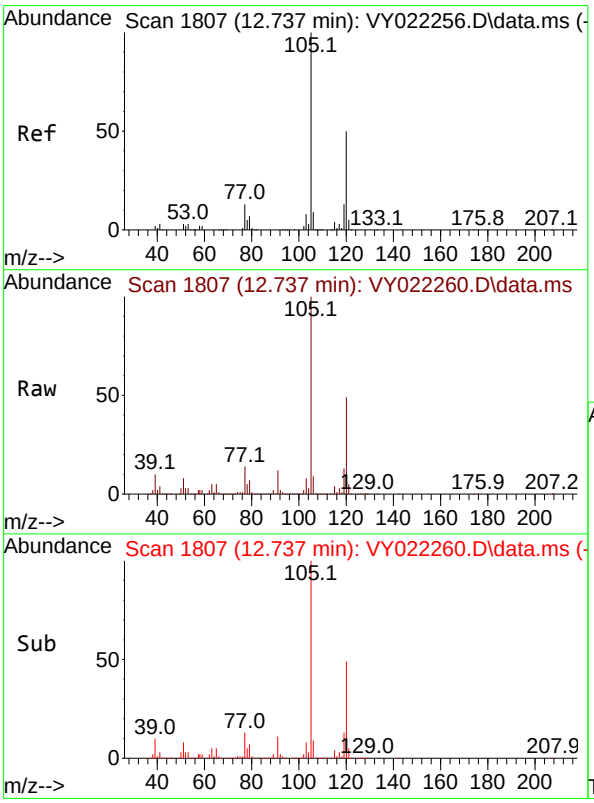
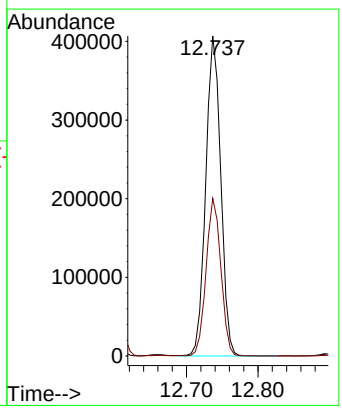
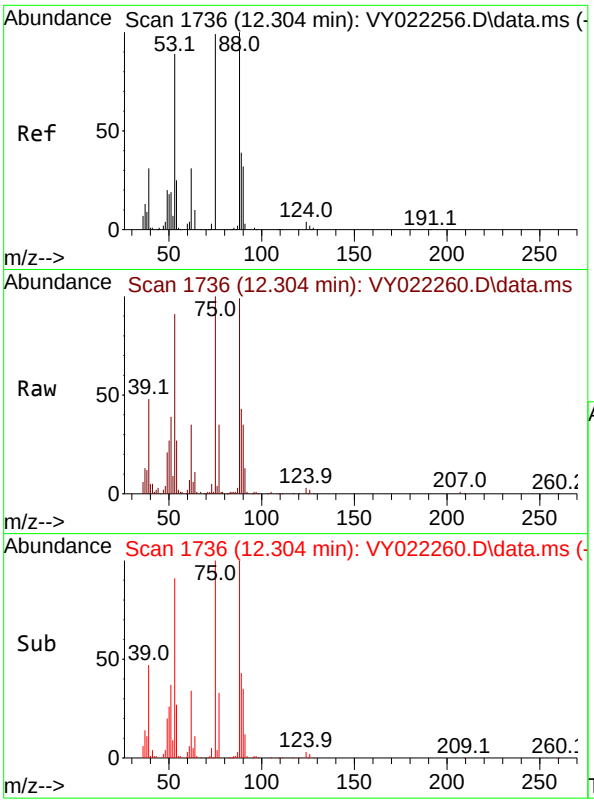


#80
1,3,5-Trimethylbenzene
Concen: 49.632 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 592100

Ion	Ratio	Lower	Upper
105	100		
120	48.7	24.2	72.6

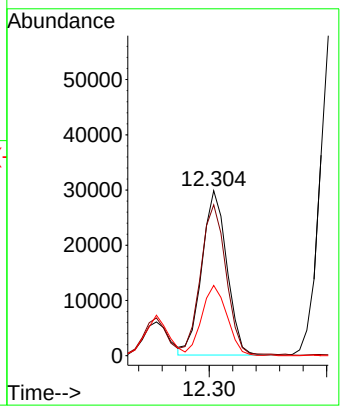




#81
trans-1,4-Dichloro-2-butene
Concen: 49.231 ug/l
RT: 12.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 4392

Ion	Ratio	Lower	Upper
75	100		
53	94.1	75.8	113.8
89	43.4	36.2	54.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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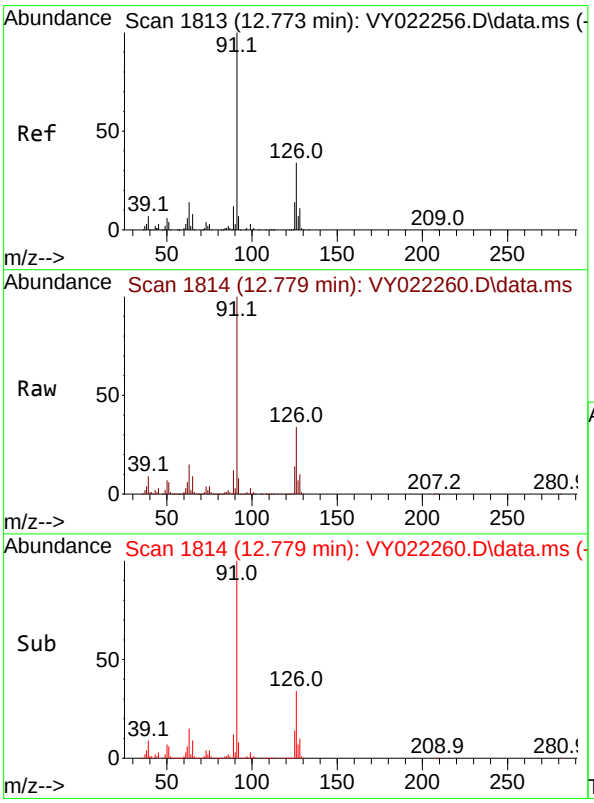
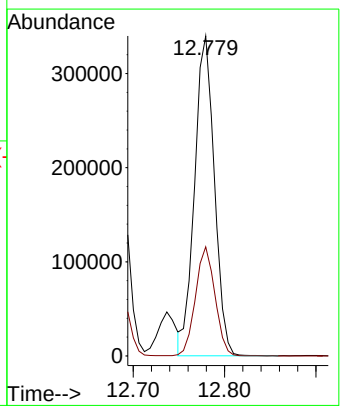
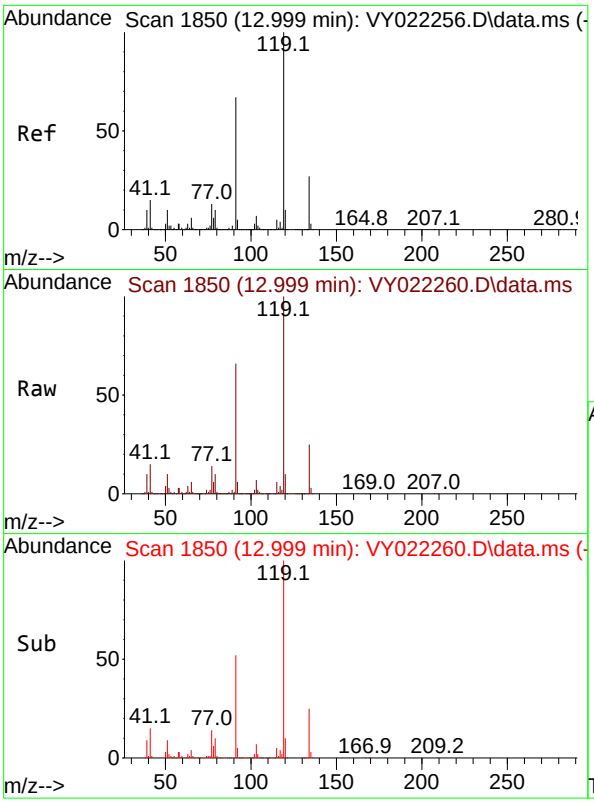


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 510451

Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.8	50.4





#83
tert-Butylbenzene
Concen: 49.715 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:119 Resp: 52714

Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.8	98.3
134	25.8	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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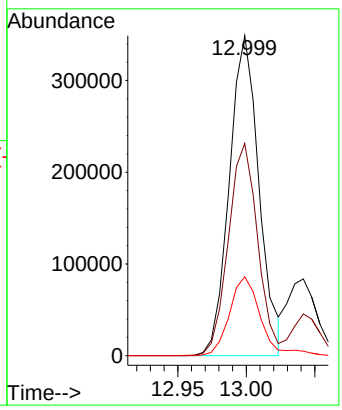
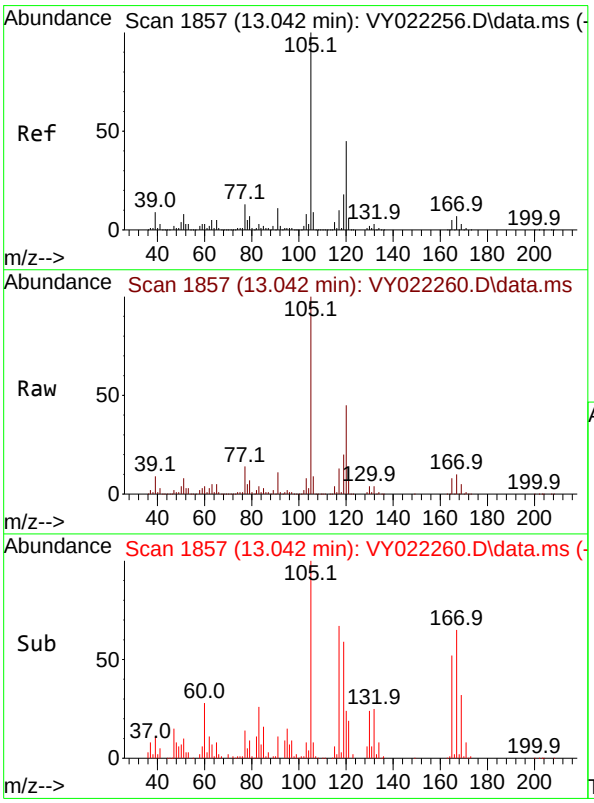
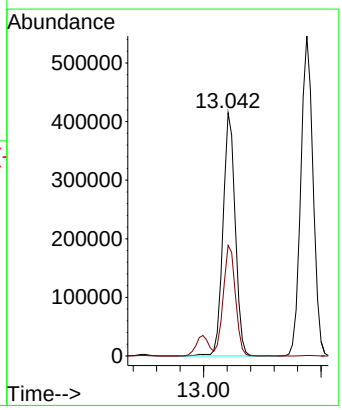


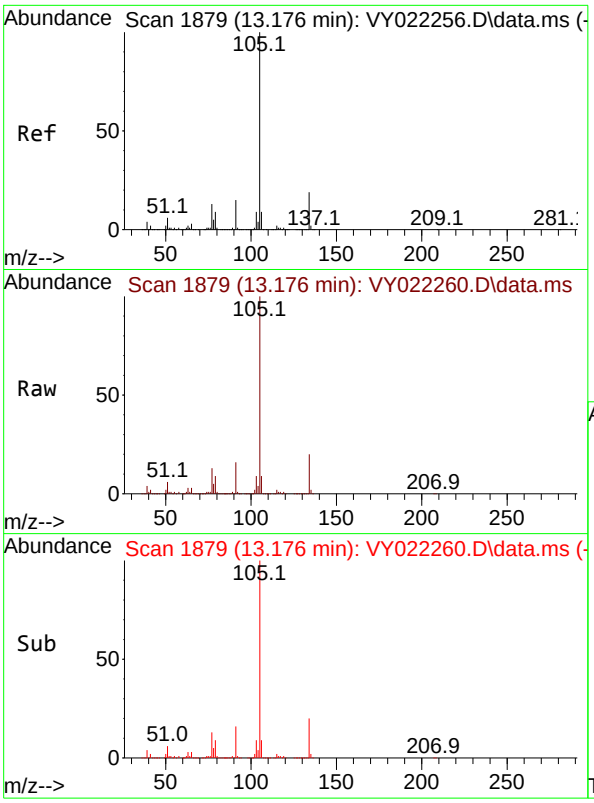


#84
1,2,4-Trimethylbenzene
Concen: 50.535 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 598450

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9





#85
sec-Butylbenzene
Concen: 50.000 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:105 Resp: 78700

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

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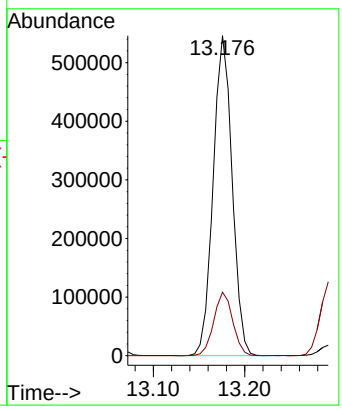
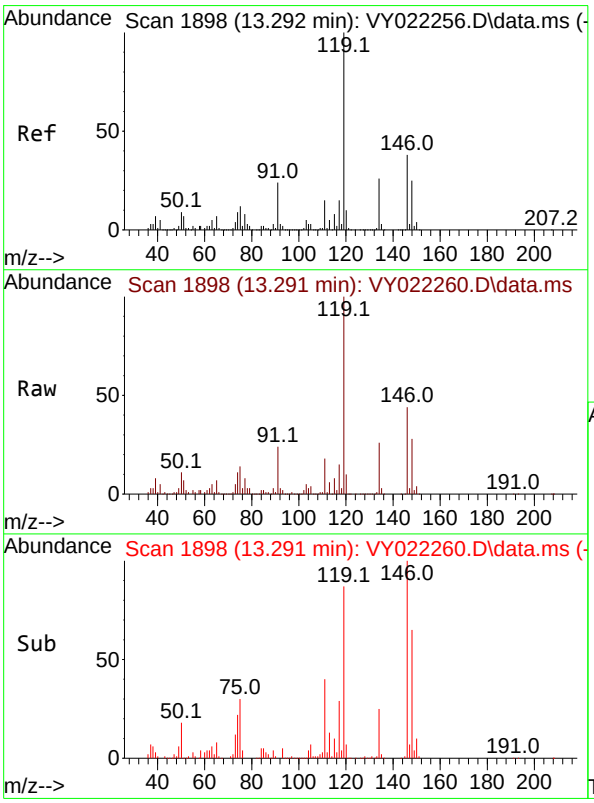
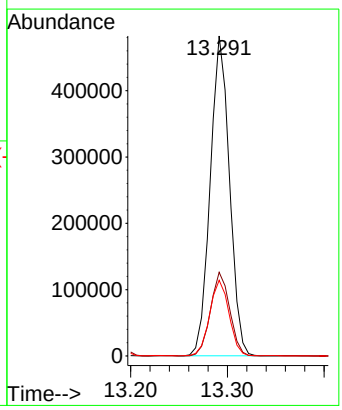


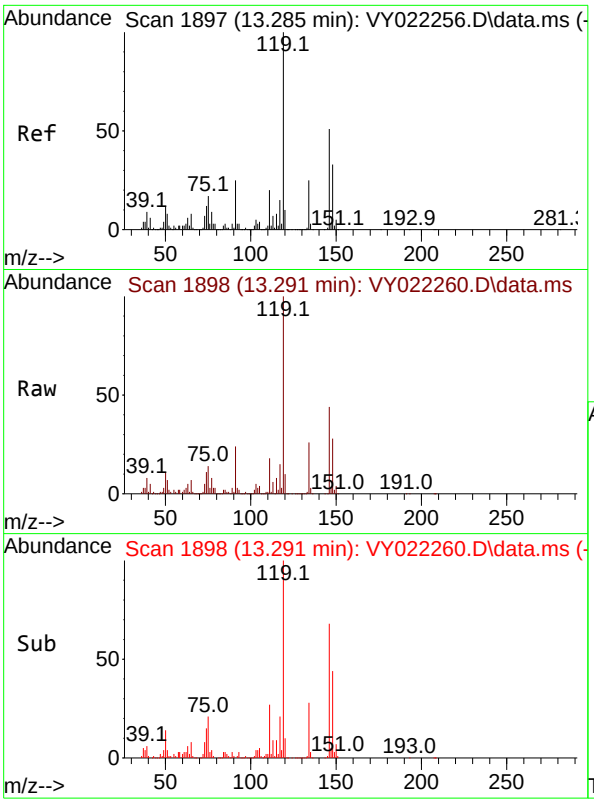


#86
p-Isopropyltoluene
Concen: 50.219 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:119 Resp: 664795

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.6
91	23.8	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 49.718 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

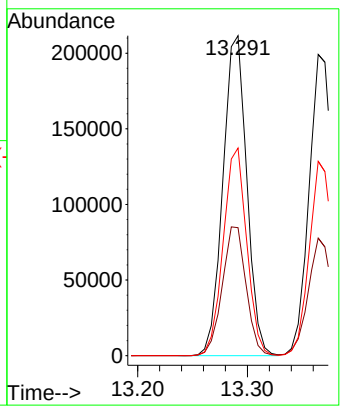
Tgt Ion:146 Resp: 32035

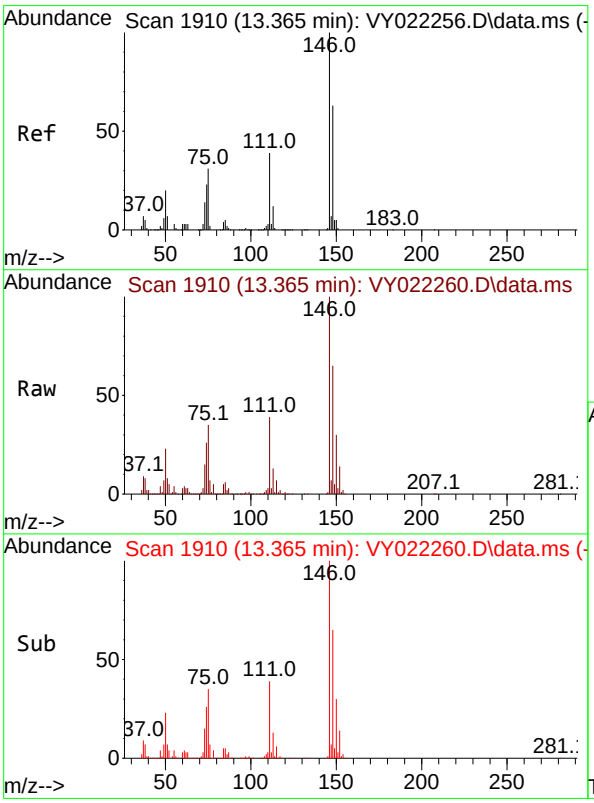
Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.8	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

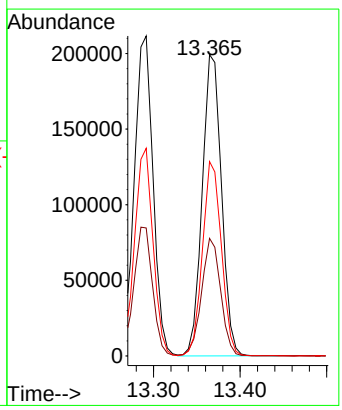


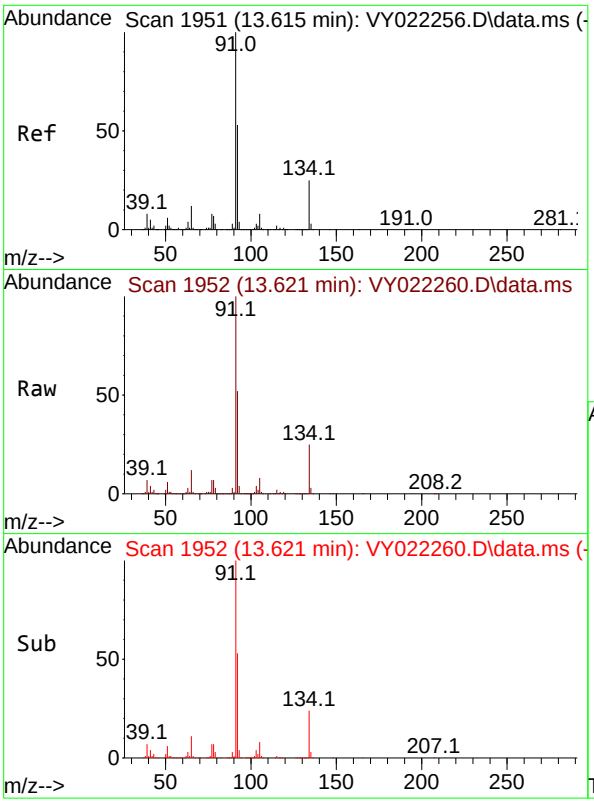


#88
1,4-Dichlorobenzene
Concen: 49.669 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:146 Resp: 307847

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.3	32.1	96.5

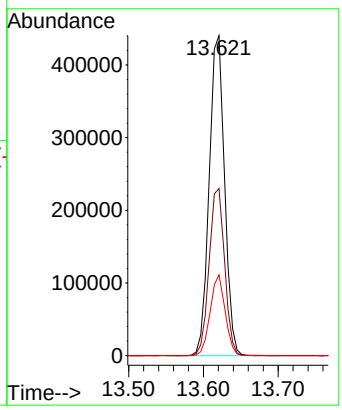




#89
n-Butylbenzene
Concen: 50.402 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 91 Resp: 63122

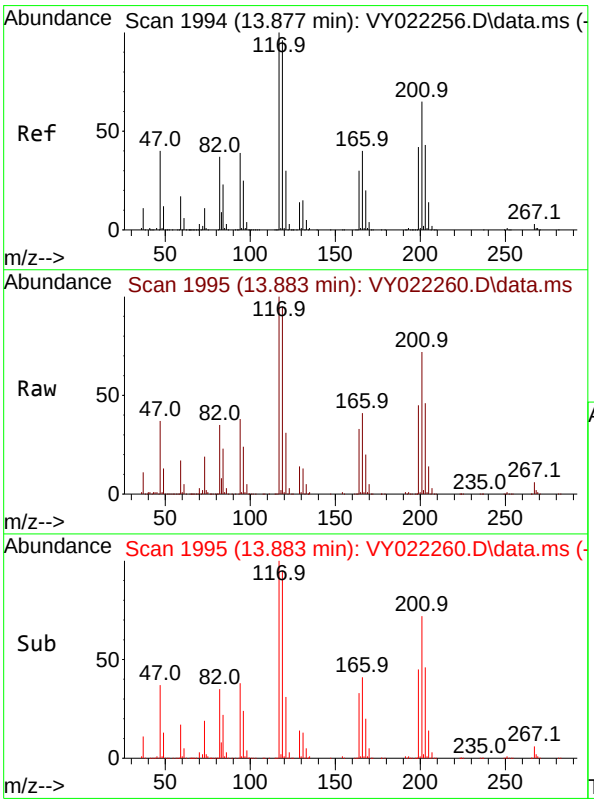
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	24.6	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

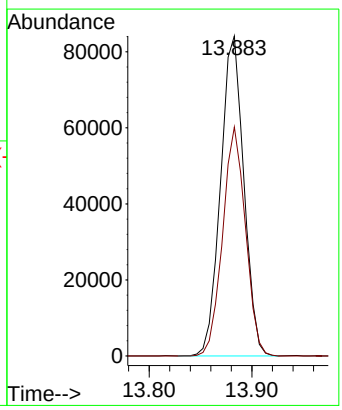
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

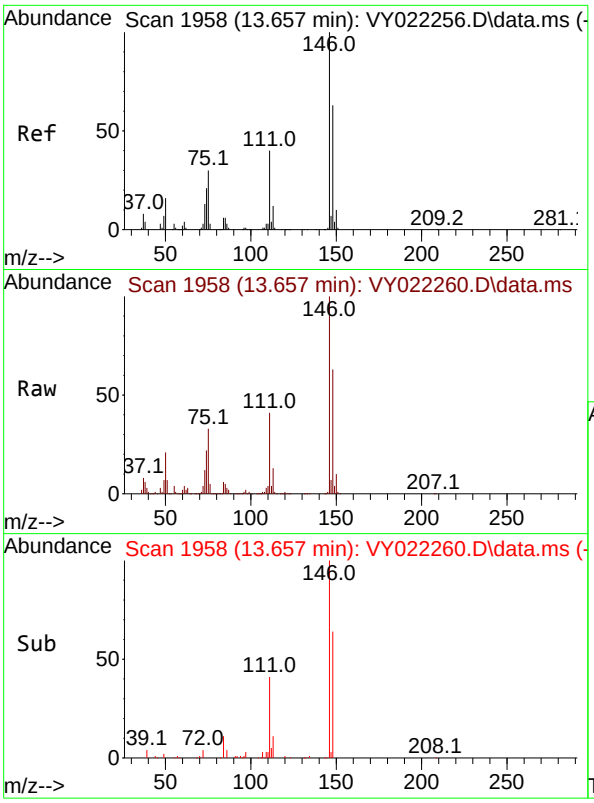


#90
Hexachloroethane
Concen: 49.502 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:117 Resp: 132281

Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 49.954 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

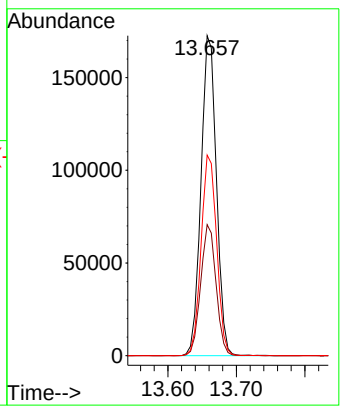
Tgt Ion:146 Resp: 27037

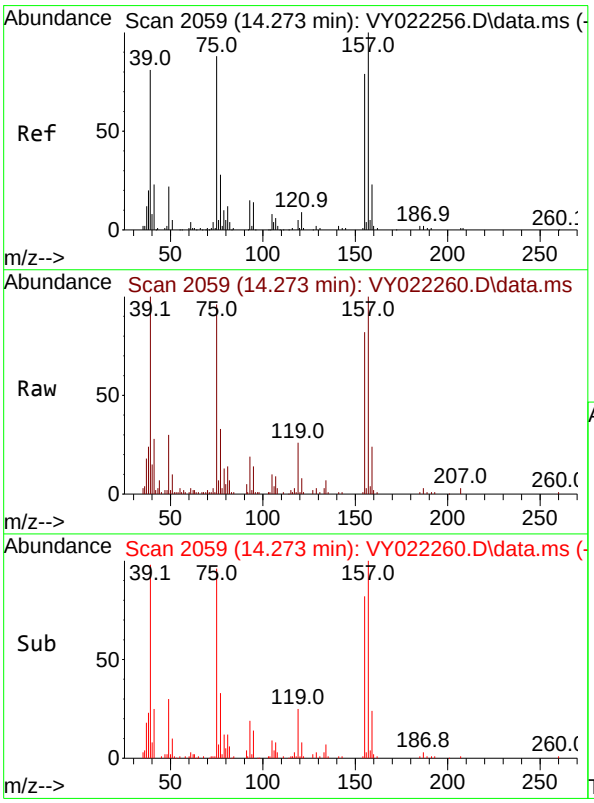
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.3	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

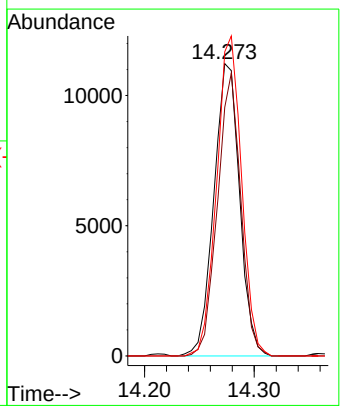


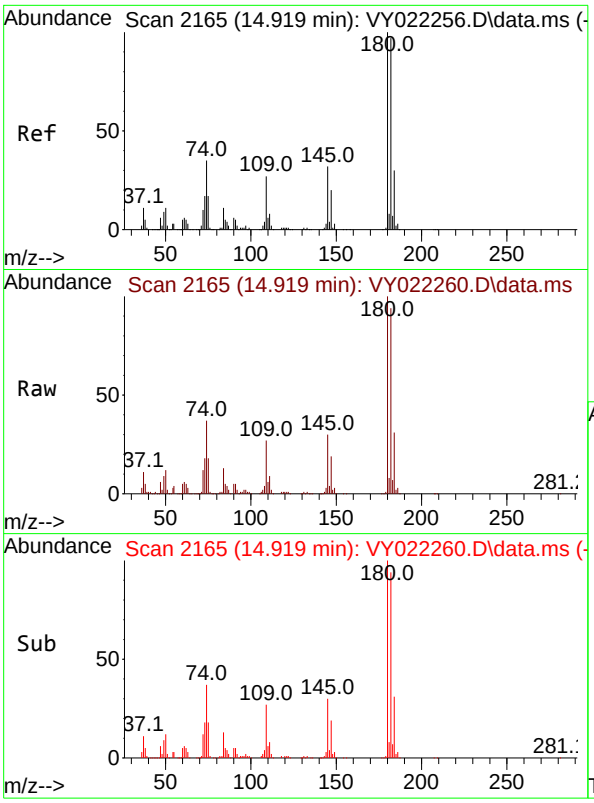


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.028 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion: 75 Resp: 18335

Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.4	130.1
157	105.9	54.6	163.9

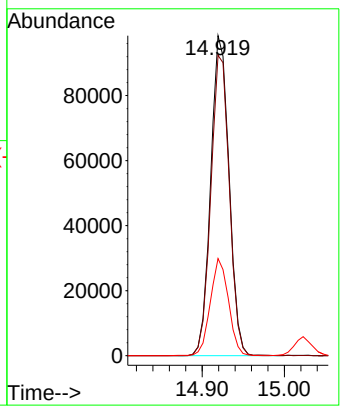




#93
1,2,4-Trichlorobenzene
Concen: 48.794 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:180 Resp: 15254

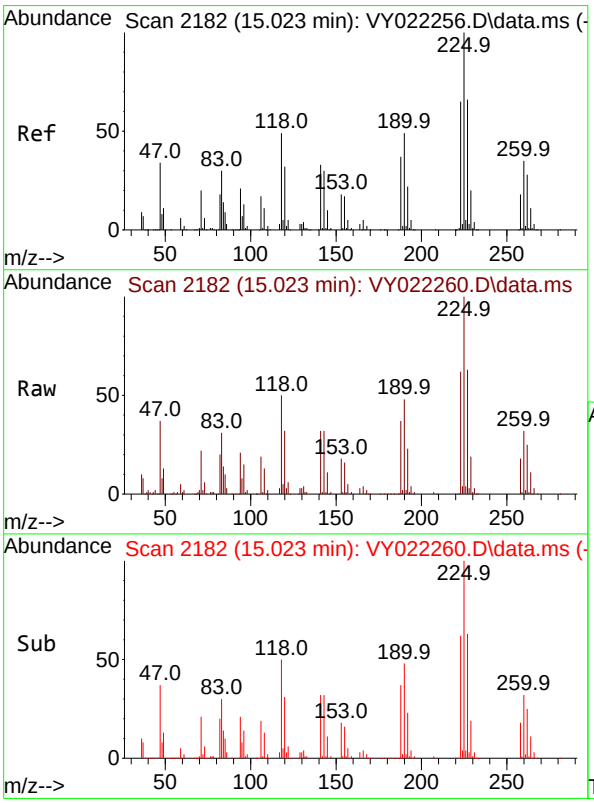
Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.0
145	30.1	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

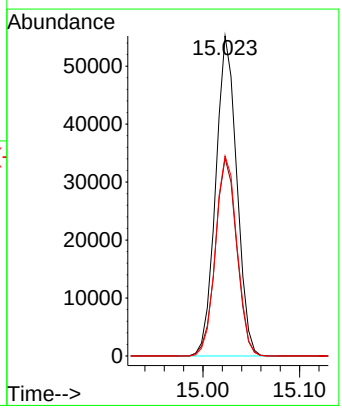
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

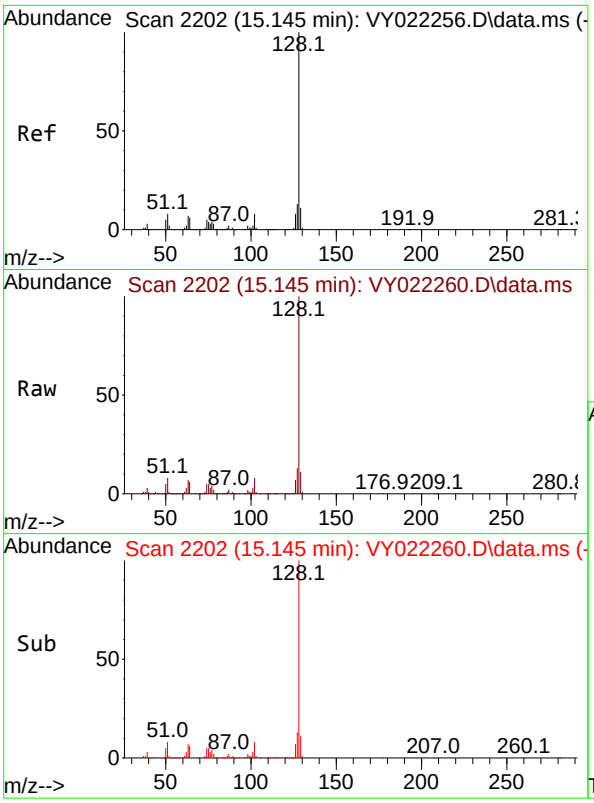


#94
Hexachlorobutadiene
Concen: 47.770 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:225 Resp: 83287

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.6	32.1	96.3

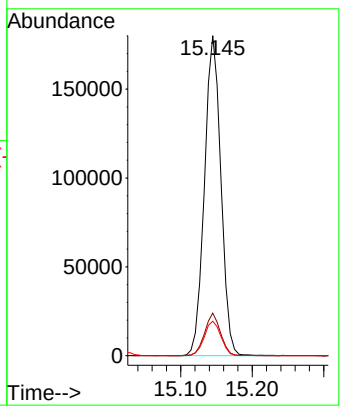




#95
Naphthalene
Concen: 48.421 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:128 Resp: 28727

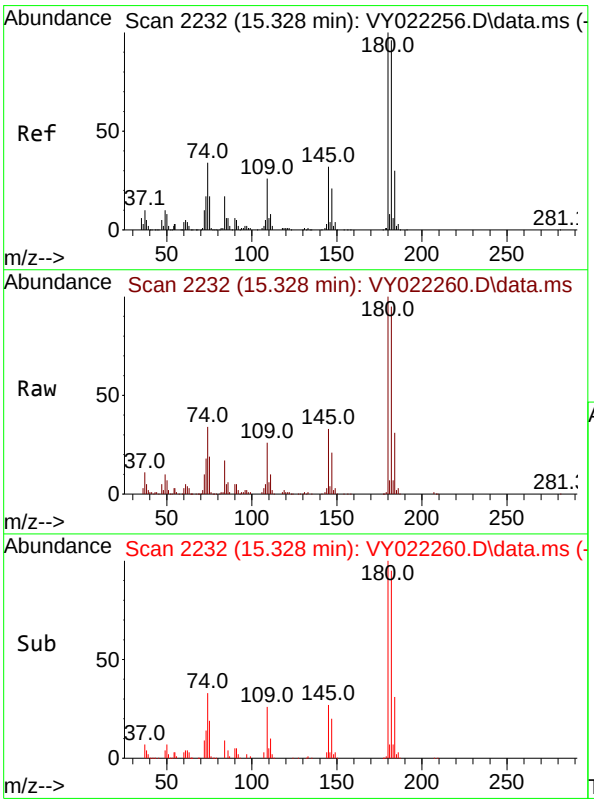
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Manual Integrations
APPROVED

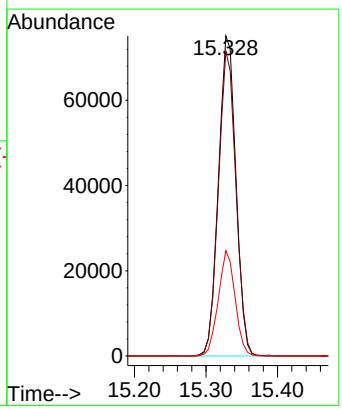
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.060 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022260.D
Acq: 15 May 2025 13:20

Tgt Ion:180 Resp: 127466

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	31.6	15.9	47.6



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	94	0.00
2	T	Dichlorodifluoromethane	0.522	0.516	1.1	96	0.00
3	P	Chloromethane	1.097	1.069	2.6	97	0.00
4	C	Vinyl Chloride	1.226	1.253	-2.2#	98	0.00
5	T	Bromomethane	0.998	0.968	3.0	104	0.00
6	T	Chloroethane	0.763	0.812	-6.4	101	0.00
7	T	Trichlorofluoromethane	1.241	1.271	-2.4	99	0.00
8	T	Diethyl Ether	0.298	0.310	-4.0	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.556	-3.2	98	0.00
10	T	Methyl Iodide	0.624	0.619	0.8	85	0.00
11	T	Tert butyl alcohol	0.042	0.044	-4.8	108	0.00
12	CM	1,1-Dichloroethene	0.535	0.551	-3.0#	97	0.00
13	T	Acrolein	0.061	0.058	4.9	97	0.00
14	T	Allyl chloride	0.938	0.991	-5.7	98	0.00
15	T	Acrylonitrile	0.123	0.130	-5.7	102	0.00
16	T	Acetone	0.102	0.104	-2.0	105	0.00
17	T	Carbon Disulfide	1.744	1.806	-3.6	97	0.00
18	T	Methyl Acetate	0.323	0.384	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	1.475	1.566	-6.2	101	0.00
20	T	Methylene Chloride	0.662	0.626	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.609	-3.2	97	0.00
22	T	Diisopropyl ether	1.980	2.063	-4.2	98	0.00
23	T	Vinyl Acetate	1.196	1.211	-1.3	97	0.00
24	P	1,1-Dichloroethane	1.106	1.143	-3.3	97	0.00
25	T	2-Butanone	0.171	0.175	-2.3	103	0.00
26	T	2,2-Dichloropropane	0.984	1.027	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.715	-5.0	98	0.00
28	T	Bromochloromethane	0.472	0.494	-4.7	99	0.00
29	T	Tetrahydrofuran	0.110	0.117	-6.4	103	0.00
30	C	Chloroform	1.061	1.121	-5.7#	98	0.00
31	T	Cyclohexane	1.105	1.076	2.6	96	0.00
32	T	1,1,1-Trichloroethane	0.974	1.003	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.569	-4.2	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.298	0.308	-3.4	100	0.00
36	T	1,1-Dichloropropene	0.492	0.496	-0.8	96	0.00
37	T	Ethyl Acetate	0.237	0.240	-1.3	100	0.00
38	T	Carbon Tetrachloride	0.509	0.514	-1.0	97	0.00
39	T	Methylcyclohexane	0.660	0.661	-0.2	96	0.00
40	TM	Benzene	1.457	1.507	-3.4	98	0.00
41	T	Methacrylonitrile	0.157	0.168	-7.0	104	0.02
42	TM	1,2-Dichloroethane	0.394	0.409	-3.8	99	0.00
43	T	Isopropyl Acetate	0.516	0.530	-2.7	101	0.00
44	TM	Trichloroethene	0.362	0.365	-0.8	96	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	99	0.00
46	T	Dibromomethane	0.189	0.195	-3.2	101	0.00
47	T	Bromodichloromethane	0.492	0.516	-4.9	100	0.00
48	T	Methyl methacrylate	0.241	0.248	-2.9	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	0.002	0.002	0.0	103	0.00
50	S	Toluene-d8	1.222	1.252	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.265	-4.7	102	0.00
52	CM	Toluene	0.923	0.947	-2.6#	98	0.00
53	T	t-1,3-Dichloropropene	0.480	0.494	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.571	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	0.243	0.248	-2.1	100	0.00
56	T	Ethyl methacrylate	0.378	0.383	-1.3	98	0.00
57	T	1,3-Dichloropropane	0.431	0.447	-3.7	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.184	-8.2	98	0.00
59	T	2-Hexanone	0.170	0.175	-2.9	103	0.00
60	T	Dibromochloromethane	0.315	0.330	-4.8	100	0.00
61	T	1,2-Dibromoethane	0.226	0.233	-3.1	100	0.00
62	S	4-Bromofluorobenzene	0.387	0.395	-2.1	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.462	0.434	6.1	91	0.00
65	PM	Chlorobenzene	1.128	1.124	0.4	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.385	0.8	97	0.00
67	C	Ethyl Benzene	2.113	2.117	-0.2#	97	0.00
68	T	m/p-Xylenes	0.796	0.805	-1.1	98	0.00
69	T	o-Xylene	0.753	0.763	-1.3	99	0.00
70	T	Styrene	1.270	1.282	-0.9	98	0.00
71	P	Bromoform	0.209	0.214	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	4.142	4.139	0.1	98	0.00
74	T	N-amyl acetate	1.185	1.180	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.676	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	0.507	0.543	-7.1	107	0.00
77	T	Bromobenzene	0.885	0.874	1.2	97	0.00
78	T	n-propylbenzene	4.996	5.026	-0.6	97	0.00
79	T	2-Chlorotoluene	2.746	2.753	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.319	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.246	1.6	103	0.00
82	T	4-Chlorotoluene	2.824	2.861	-1.3	97	0.00
83	T	tert-Butylbenzene	2.972	2.955	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.355	-1.1	97	0.00
85	T	sec-Butylbenzene	4.412	4.412	0.0	95	0.00
86	T	p-Isopropyltoluene	3.710	3.727	-0.5	97	0.00
87	T	1,3-Dichlorobenzene	1.806	1.796	0.6	97	0.00
88	T	1,4-Dichlorobenzene	1.737	1.726	0.6	98	0.00
89	T	n-Butylbenzene	3.510	3.538	-0.8	95	0.00
90	T	Hexachloroethane	0.749	0.742	0.9	96	0.00
91	T	1,2-Dichlorobenzene	1.517	1.516	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.103	0.0	102	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.855	2.4	94	0.00
94	T	Hexachlorobutadiene	0.489	0.467	4.5	92	0.00
95	T	Naphthalene	1.663	1.610	3.2	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	0.743	0.715	3.8	94	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_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	94	0.00
2	T	Dichlorodifluoromethane	50.000	49.432	1.1	96	0.00
3	P	Chloromethane	50.000	48.719	2.6	97	0.00
4	C	Vinyl Chloride	50.000	51.111	-2.2#	98	0.00
5	T	Bromomethane	50.000	48.486	3.0	104	0.00
6	T	Chloroethane	50.000	53.234	-6.5	101	0.00
7	T	Trichlorofluoromethane	50.000	51.174	-2.3	99	0.00
8	T	Diethyl Ether	50.000	52.055	-4.1	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.564	-3.1	98	0.00
10	T	Methyl Iodide	50.000	49.606	0.8	85	0.00
11	T	Tert butyl alcohol	250.000	265.144	-6.1	108	0.00
12	CM	1,1-Dichloroethene	50.000	51.487	-3.0#	97	0.00
13	T	Acrolein	250.000	238.362	4.7	97	0.00
14	T	Allyl chloride	50.000	52.817	-5.6	98	0.00
15	T	Acrylonitrile	250.000	265.134	-6.1	102	0.00
16	T	Acetone	250.000	252.660	-1.1	105	0.00
17	T	Carbon Disulfide	50.000	51.765	-3.5	97	0.00
18	T	Methyl Acetate	50.000	59.461	-18.9	120	0.00
19	T	Methyl tert-butyl Ether	50.000	53.096	-6.2	101	0.00
20	T	Methylene Chloride	50.000	47.298	5.4	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.552	-3.1	97	0.00
22	T	Diisopropyl ether	50.000	52.085	-4.2	98	0.00
23	T	Vinyl Acetate	250.000	253.098	-1.2	97	0.00
24	P	1,1-Dichloroethane	50.000	51.668	-3.3	97	0.00
25	T	2-Butanone	250.000	255.929	-2.4	103	0.00
26	T	2,2-Dichloropropane	50.000	52.191	-4.4	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.479	-5.0	98	0.00
28	T	Bromochloromethane	50.000	52.305	-4.6	99	0.00
29	T	Tetrahydrofuran	250.000	264.847	-5.9	103	0.00
30	C	Chloroform	50.000	52.810	-5.6#	98	0.00
31	T	Cyclohexane	50.000	48.673	2.7	96	0.00
32	T	1,1,1-Trichloroethane	50.000	51.523	-3.0	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.104	-4.2	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	51.658	-3.3	100	0.00
36	T	1,1-Dichloropropene	50.000	50.457	-0.9	96	0.00
37	T	Ethyl Acetate	50.000	50.633	-1.3	100	0.00
38	T	Carbon Tetrachloride	50.000	50.543	-1.1	97	0.00
39	T	Methylcyclohexane	50.000	50.015	-0.0	96	0.00
40	TM	Benzene	50.000	51.696	-3.4	98	0.00
41	T	Methacrylonitrile	50.000	53.599	-7.2	104	0.02
42	TM	1,2-Dichloroethane	50.000	51.834	-3.7	99	0.00
43	T	Isopropyl Acetate	50.000	51.415	-2.8	101	0.00
44	TM	Trichloroethene	50.000	50.335	-0.7	96	0.00
45	C	1,2-Dichloropropane	50.000	51.417	-2.8#	99	0.00
46	T	Dibromomethane	50.000	51.423	-2.8	101	0.00
47	T	Bromodichloromethane	50.000	52.508	-5.0	100	0.00
48	T	Methyl methacrylate	50.000	51.357	-2.7	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	1008.479	-0.8	103	0.00
50	S	Toluene-d8	50.000	51.229	-2.5	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.463	-4.6	102	0.00
52	CM	Toluene	50.000	51.337	-2.7#	98	0.00
53	T	t-1,3-Dichloropropene	50.000	51.458	-2.9	99	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.916	-3.8	99	0.00
55	T	1,1,2-Trichloroethane	50.000	51.142	-2.3	100	0.00
56	T	Ethyl methacrylate	50.000	50.639	-1.3	98	0.00
57	T	1,3-Dichloropropane	50.000	51.880	-3.8	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	271.104	-8.4	98	0.00
59	T	2-Hexanone	250.000	257.738	-3.1	103	0.00
60	T	Dibromochloromethane	50.000	52.425	-4.8	100	0.00
61	T	1,2-Dibromoethane	50.000	51.428	-2.9	100	0.00
62	S	4-Bromofluorobenzene	50.000	51.020	-2.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.905	6.2	91	0.00
65	PM	Chlorobenzene	50.000	49.827	0.3	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.656	0.7	97	0.00
67	C	Ethyl Benzene	50.000	50.100	-0.2#	97	0.00
68	T	m/p-Xylenes	100.000	101.087	-1.1	98	0.00
69	T	o-Xylene	50.000	50.682	-1.4	99	0.00
70	T	Styrene	50.000	50.471	-0.9	98	0.00
71	P	Bromoform	50.000	51.022	-2.0	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	49.964	0.1	98	0.00
74	T	N-amyl acetate	50.000	49.805	0.4	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.062	-6.1	107	0.00
76	T	1,2,3-Trichloropropane	50.000	53.564	-7.1	107	0.00
77	T	Bromobenzene	50.000	49.374	1.3	97	0.00
78	T	n-propylbenzene	50.000	50.296	-0.6	97	0.00
79	T	2-Chlorotoluene	50.000	50.130	-0.3	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.632	0.7	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.231	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	97	0.00
83	T	tert-Butylbenzene	50.000	49.715	0.6	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.535	-1.1	97	0.00
85	T	sec-Butylbenzene	50.000	50.000	0.0	95	0.00
86	T	p-Isopropyltoluene	50.000	50.219	-0.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	49.718	0.6	97	0.00
88	T	1,4-Dichlorobenzene	50.000	49.669	0.7	98	0.00
89	T	n-Butylbenzene	50.000	50.402	-0.8	95	0.00
90	T	Hexachloroethane	50.000	49.502	1.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.954	0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.028	-0.1	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.794	2.4	94	0.00
94	T	Hexachlorobutadiene	50.000	47.770	4.5	92	0.00
95	T	Naphthalene	50.000	48.421	3.2	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022260.D
Acq On : 15 May 2025 13:20
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY051525

Quant Time: May 16 01:47:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	48.060	3.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_X Calibration Date/Time: 05/21/2025 09:55

Lab File ID: VX046284.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.417	1.412		-0.35	20
Toluene	0.869	0.857		-1.38	20
Ethyl Benzene	1.929	1.968		2.02	20
m/p-Xylenes	0.706	0.721		2.13	20
o-Xylene	0.688	0.712		3.49	20
Isopropylbenzene	3.893	4.007		2.93	20
n-propylbenzene	4.526	4.671		3.2	20
1,3,5-Trimethylbenzene	3.252	3.344		2.83	20
tert-Butylbenzene	3.276	3.302		0.79	20
1,2,4-Trimethylbenzene	3.293	3.417		3.77	20
sec-Butylbenzene	4.022	4.193		4.25	20
p-Isopropyltoluene	3.320	3.467		4.43	20
n-Butylbenzene	2.912	3.134		7.62	20
1,2-Dichloroethane-d4	0.932	0.913		-2.04	20
Dibromofluoromethane	0.360	0.371		3.06	20
Toluene-d8	1.246	1.223		-1.85	20
4-Bromofluorobenzene	0.478	0.481		0.63	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	95080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	161730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	86766	48.949	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.900%			
35) Dibromofluoromethane	5.373	113	59999	51.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.641	98	197841	49.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.160%			
62) 4-Bromofluorobenzene	11.079	95	77871	50.363	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	73733	50.666	ug/l	98
3) Chloromethane	1.300	50	68253	48.364	ug/l	99
4) Vinyl Chloride	1.374	62	62535	47.612	ug/l	99
5) Bromomethane	1.593	94	28042	46.032	ug/l	97
6) Chloroethane	1.666	64	35734	50.964	ug/l	99
7) Trichlorofluoromethane	1.873	101	98615	50.803	ug/l	99
8) Diethyl Ether	2.129	74	32223	48.764	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	60440	50.314	ug/l	99
10) Methyl Iodide	2.440	142	66552	46.821	ug/l	99
11) Tert butyl alcohol	2.971	59	60414	242.803	ug/l	100
12) 1,1-Dichloroethene	2.306	96	53753	47.678	ug/l	95
13) Acrolein	2.233	56	90969	321.031	ug/l	99
14) Allyl chloride	2.654	41	111182	51.600	ug/l	98
15) Acrylonitrile	3.062	53	181499	255.100	ug/l	98
16) Acetone	2.379	43	182996	257.477	ug/l	100
17) Carbon Disulfide	2.501	76	120535	45.096	ug/l	100
18) Methyl Acetate	2.703	43	97480	59.105	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	203555	51.499	ug/l	100
20) Methylene Chloride	2.782	84	63593	46.691	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	54097	47.714	ug/l	95
22) Diisopropyl ether	3.757	45	215610	51.803	ug/l	94
23) Vinyl Acetate	3.715	43	930126	254.084	ug/l	99
24) 1,1-Dichloroethane	3.599	63	117763	50.800	ug/l	99
25) 2-Butanone	4.550	43	262160	254.074	ug/l	99
26) 2,2-Dichloropropane	4.458	77	95337	52.543	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	67216	49.246	ug/l	99
28) Bromochloromethane	4.885	49	52685	47.215	ug/l	97
29) Tetrahydrofuran	4.995	42	162193	250.853	ug/l	98
30) Chloroform	5.080	83	122654	50.762	ug/l	95
31) Cyclohexane	5.458	56	98339	46.552	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	106109	50.660	ug/l	99
36) 1,1-Dichloropropene	5.678	75	76348	48.791	ug/l	99
37) Ethyl Acetate	4.702	43	97045	50.197	ug/l	99
38) Carbon Tetrachloride	5.665	117	89504	50.907	ug/l	96
39) Methylcyclohexane	7.372	83	96076	47.691	ug/l	97
40) Benzene	6.025	78	228406	49.833	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.909	41	56109	55.480	ug/l		99
42) 1,2-Dichloroethane	6.074	62	99497	50.298	ug/l		100
43) Isopropyl Acetate	6.330	43	156279	52.987	ug/l		99
44) Trichloroethene	7.116	130	55656	50.452	ug/l		97
45) 1,2-Dichloropropane	7.421	63	59253	51.990	ug/l		98
46) Dibromomethane	7.574	93	45422	50.531	ug/l		99
47) Bromodichloromethane	7.811	83	94679	53.478	ug/l		96
48) Methyl methacrylate	7.689	41	81658	54.212	ug/l		98
49) 1,4-Dioxane	7.653	88	27967	977.870	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	514742	262.926	ug/l		99
52) Toluene	8.714	92	138588	49.311	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	85646	54.425	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	94157	54.136	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	57326	51.730	ug/l		98
56) Ethyl methacrylate	9.110	69	94728	53.634	ug/l		99
57) 1,3-Dichloropropane	9.305	76	98942	49.714	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	246422	273.669	ug/l		100
59) 2-Hexanone	9.427	43	382250	263.910	ug/l		100
60) Dibromochloromethane	9.518	129	66902	54.971	ug/l		99
61) 1,2-Dibromoethane	9.604	107	58066	50.413	ug/l		95
64) Tetrachloroethene	9.268	164	52030	52.359	ug/l		98
65) Chlorobenzene	10.073	112	151979	49.440	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54978	52.376	ug/l		99
67) Ethyl Benzene	10.189	91	276408	51.011	ug/l		100
68) m/p-Xylenes	10.299	106	202607	102.233	ug/l		98
69) o-Xylene	10.640	106	99977	51.746	ug/l		99
70) Styrene	10.652	104	170672	53.925	ug/l		100
71) Bromoform	10.799	173	43139	54.740	ug/l	#	97
73) Isopropylbenzene	10.957	105	271177	51.463	ug/l		100
74) N-amyl acetate	10.841	43	134729	51.743	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87943	47.625	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80571m	49.455	ug/l		
77) Bromobenzene	11.195	156	60921	49.799	ug/l		99
78) n-propylbenzene	11.299	91	316117	51.595	ug/l		100
79) 2-Chlorotoluene	11.360	91	193981	49.086	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	226364	51.421	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	26609	53.175	ug/l		98
82) 4-Chlorotoluene	11.451	91	225123	51.369	ug/l		99
83) tert-Butylbenzene	11.713	119	223522	50.408	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231302	51.885	ug/l		99
85) sec-Butylbenzene	11.890	105	283817	52.129	ug/l		100
86) p-Isopropyltoluene	12.006	119	234688	52.222	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	112832	50.537	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113352	49.713	ug/l		100
89) n-Butylbenzene	12.329	91	212152	53.818	ug/l		100
90) Hexachloroethane	12.536	117	41588	52.527	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	114456	51.087	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21272	52.001	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	66110	51.375	ug/l		99
94) Hexachlorobutadiene	13.725	225	28949	51.510	ug/l		98
95) Naphthalene	13.774	128	233630	49.502	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	68077	51.272	ug/l		99

Sample Results: **VX046284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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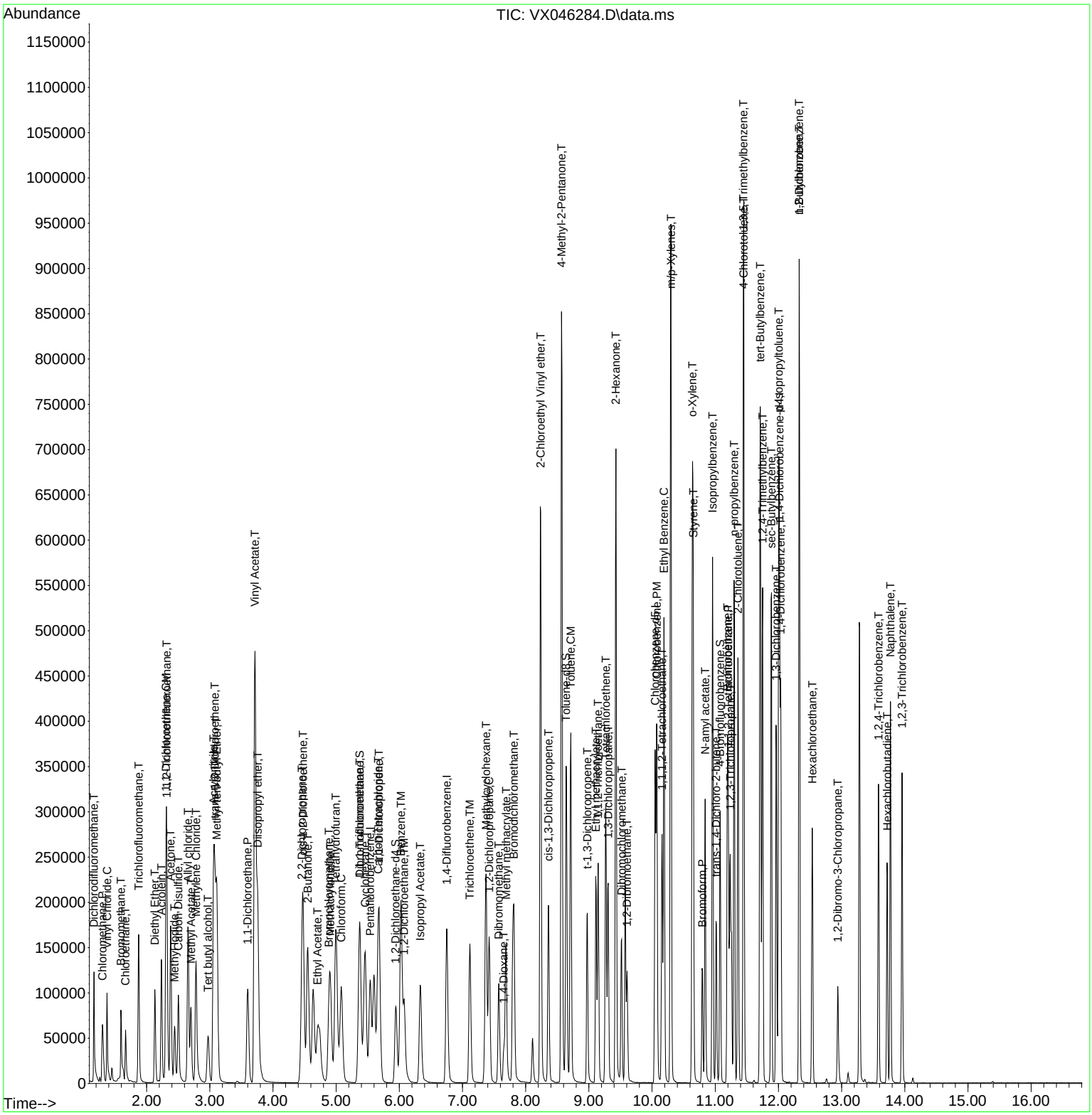
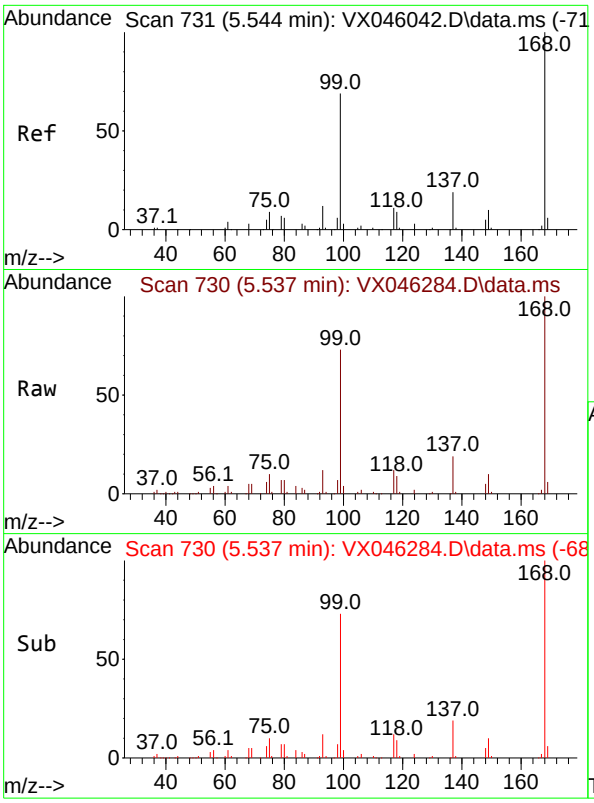
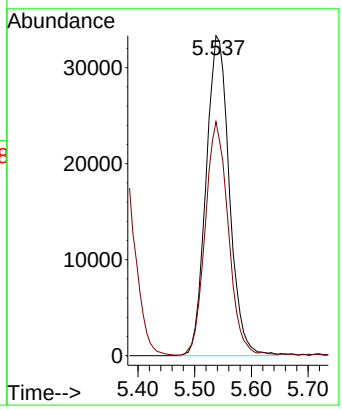




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:168 Resp: 9508

Ion	Ratio	Lower	Upper
168	100		
99	72.9	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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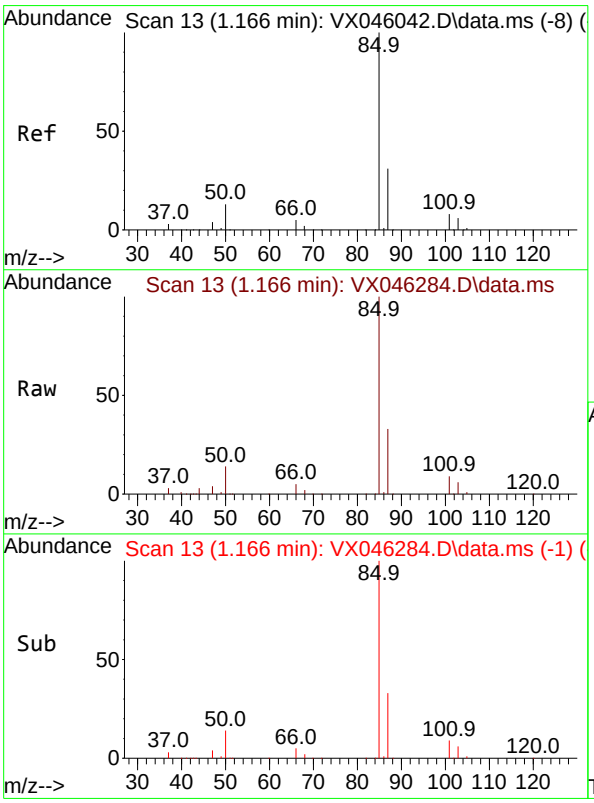
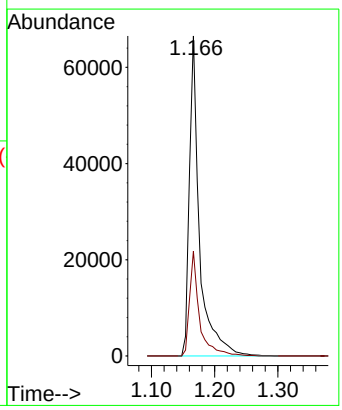
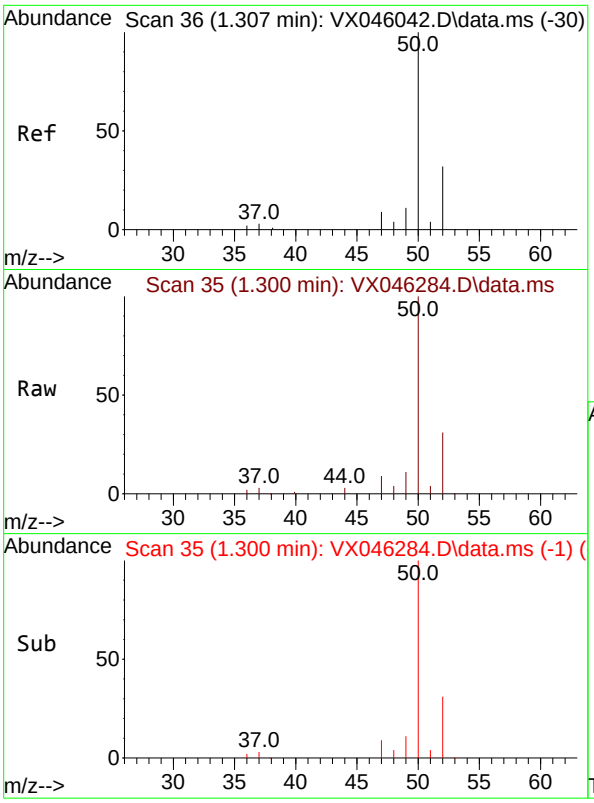


#2
Dichlorodifluoromethane
Concen: 50.666 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 85 Resp: 73733

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.1

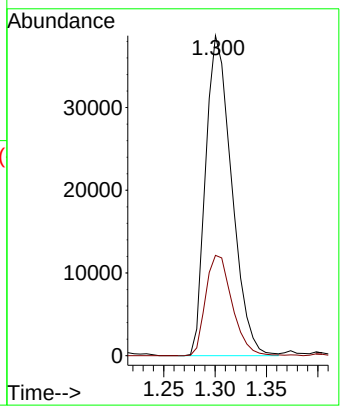




#3
Chloromethane
Concen: 48.364 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 50 Resp: 6825

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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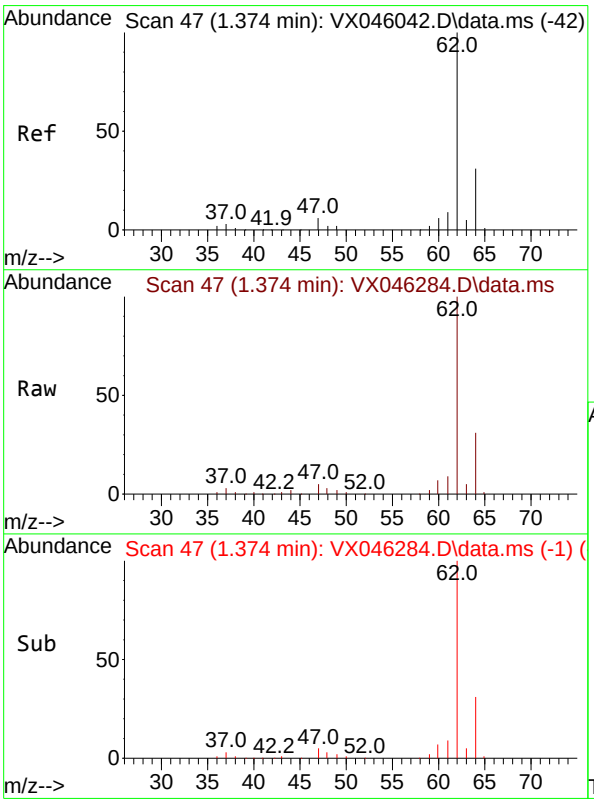
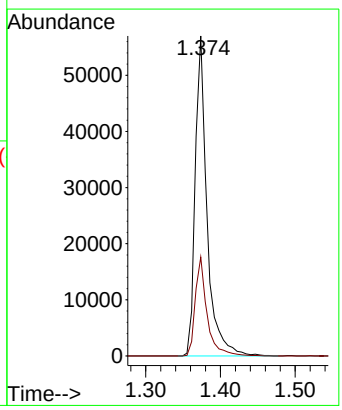
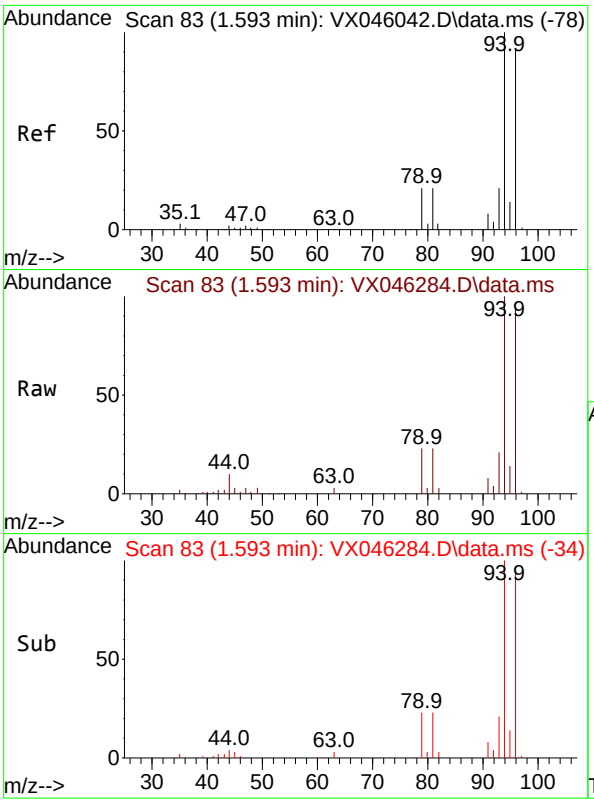


#4
Vinyl Chloride
Concen: 47.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 62 Resp: 62535

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.2	37.8

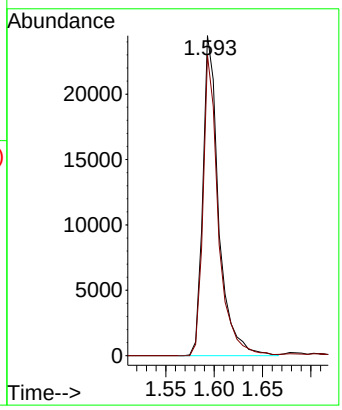




#5
Bromomethane
Concen: 46.032 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 94 Resp: 2804

Ion	Ratio	Lower	Upper
94	100		
96	93.9	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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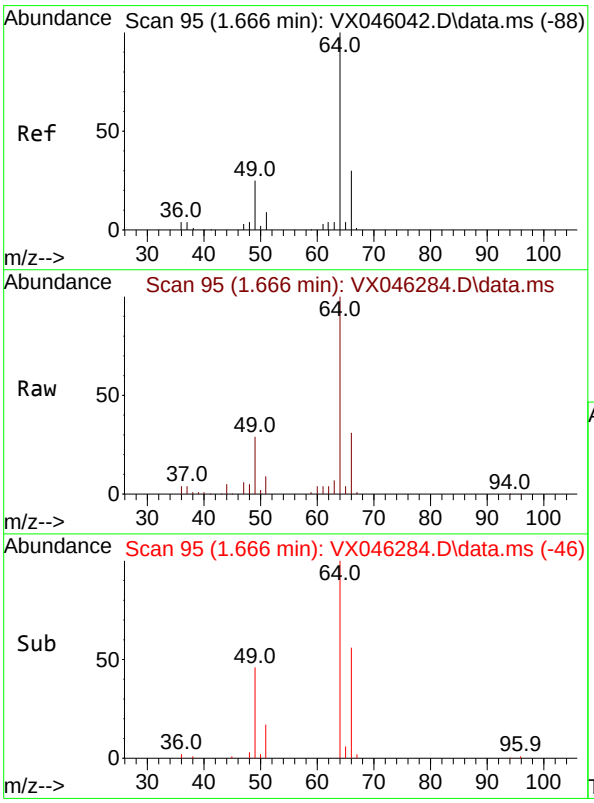
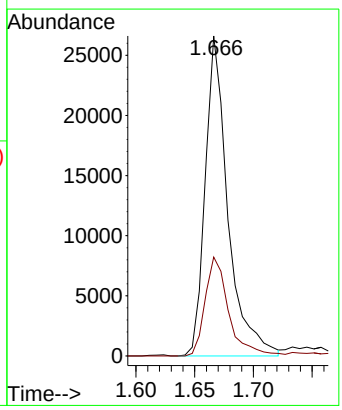
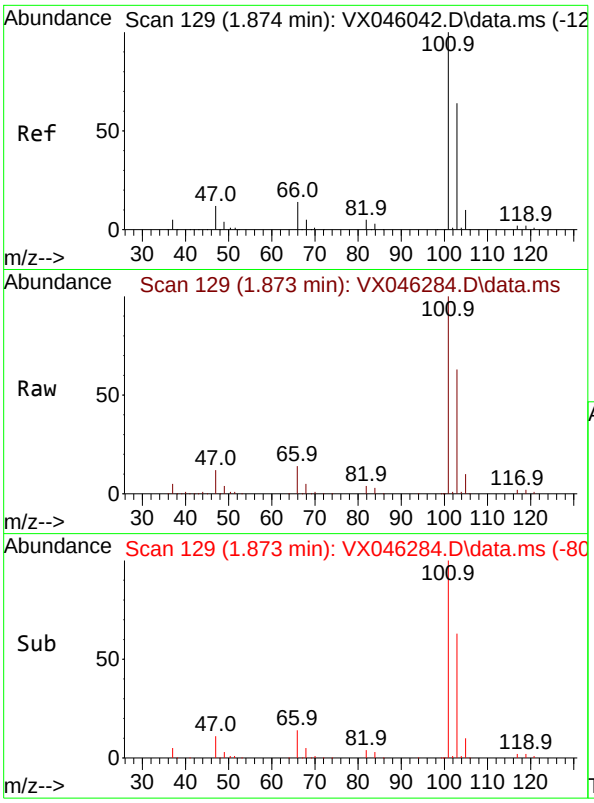


#6
Chloroethane
Concen: 50.964 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 64 Resp: 35734

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.3	36.5





#7
Trichlorofluoromethane
Concen: 50.803 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:101 Resp: 9861

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 05/22/2025
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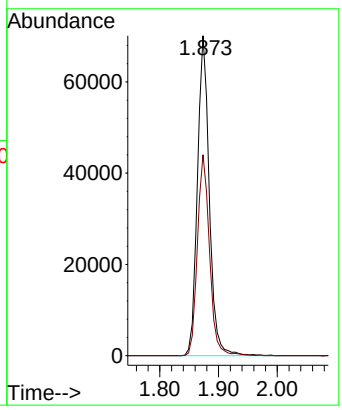
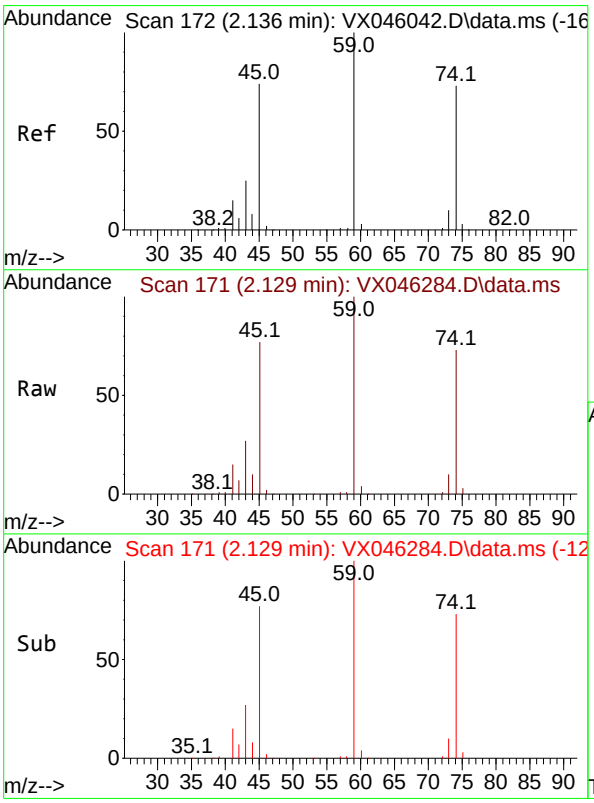
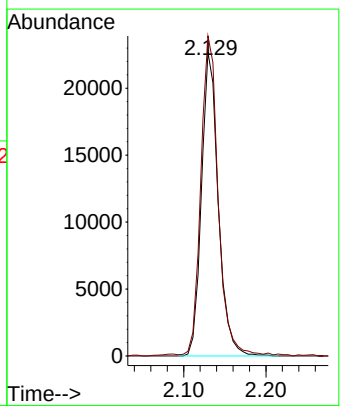


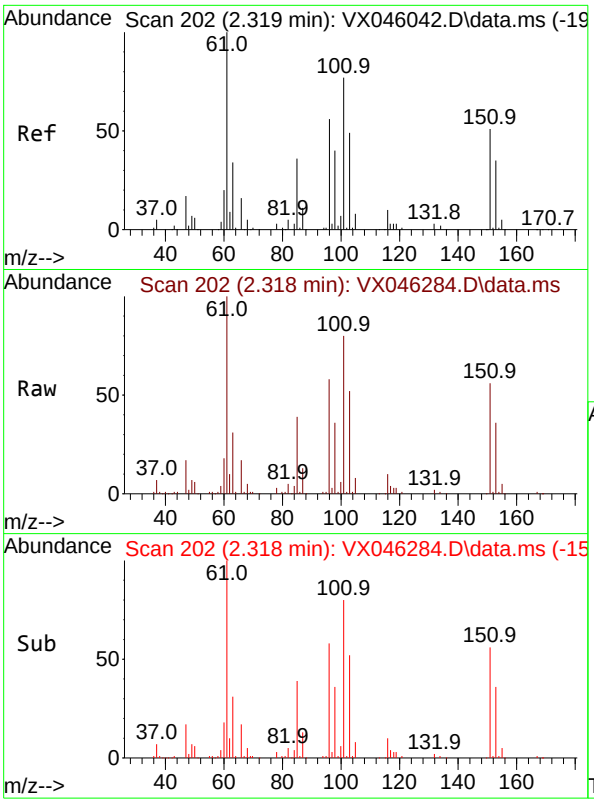


#8
Diethyl Ether
Concen: 48.764 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 74 Resp: 32223

Ion	Ratio	Lower	Upper
74	100		
45	110.4	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.314 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:101 Resp: 6044

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	69.8	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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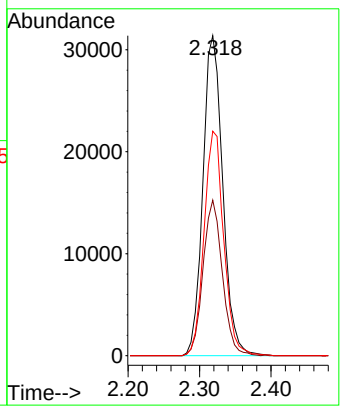
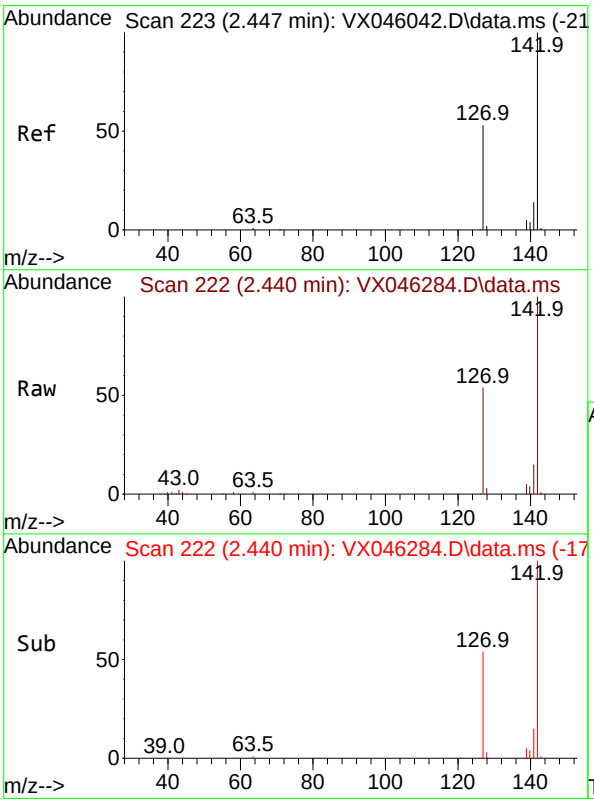
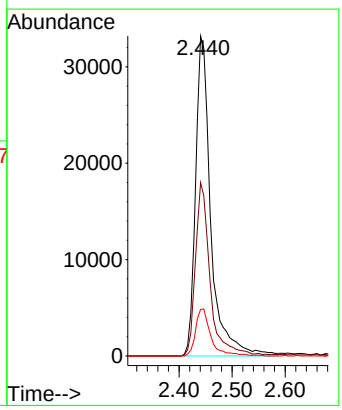


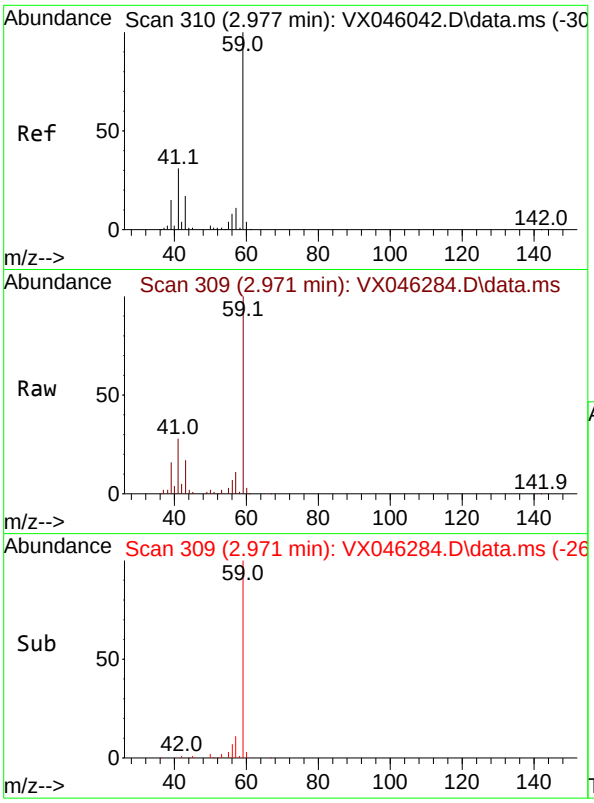


#10
Methyl Iodide
Concen: 46.821 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:142 Resp: 66552

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.7	11.5	17.3





#11
Tert butyl alcohol
Concen: 242.803 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 59 Resp: 6041

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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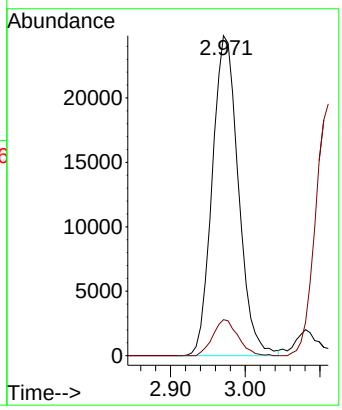
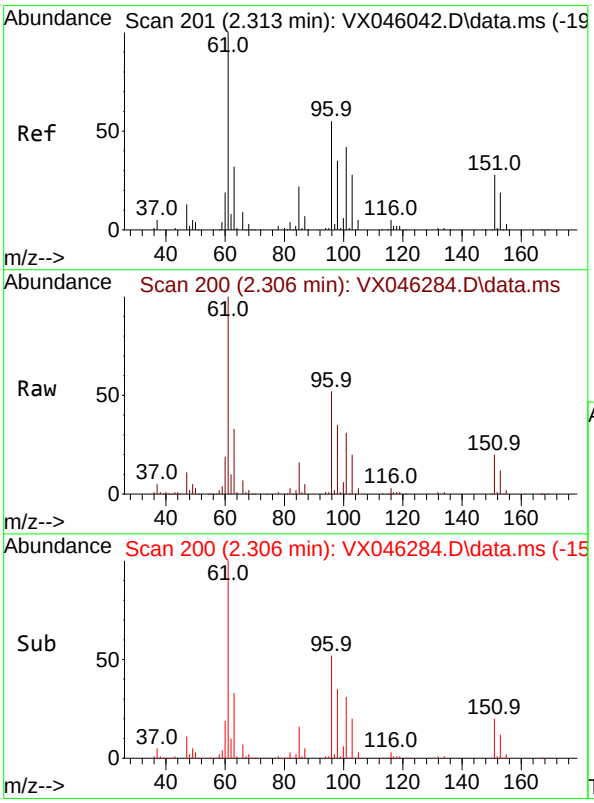
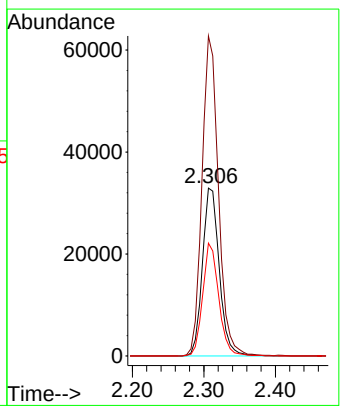


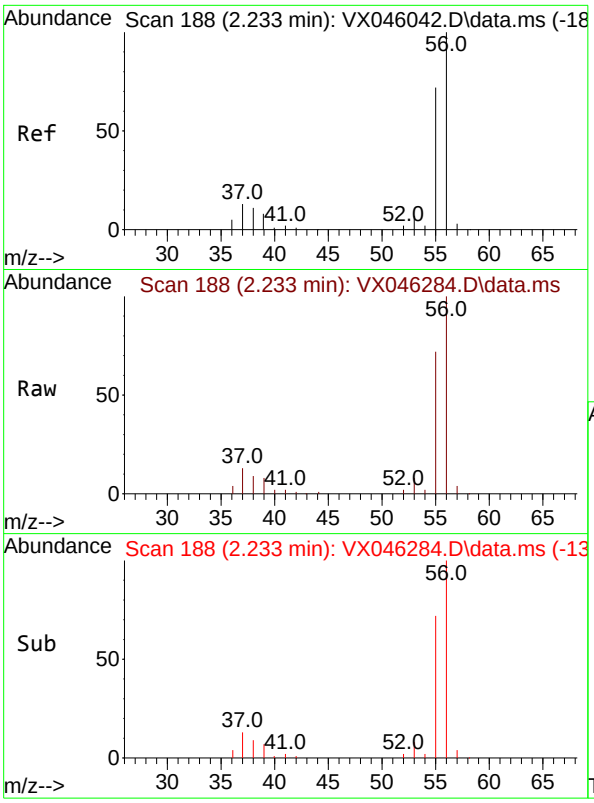


#12
1,1-Dichloroethene
Concen: 47.678 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 96 Resp: 53753

Ion	Ratio	Lower	Upper
96	100		
61	190.6	146.2	219.2
98	67.2	51.0	76.6

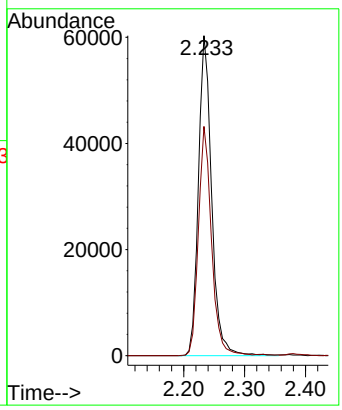




#13
Acrolein
Concen: 321.031 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 56 Resp: 9096

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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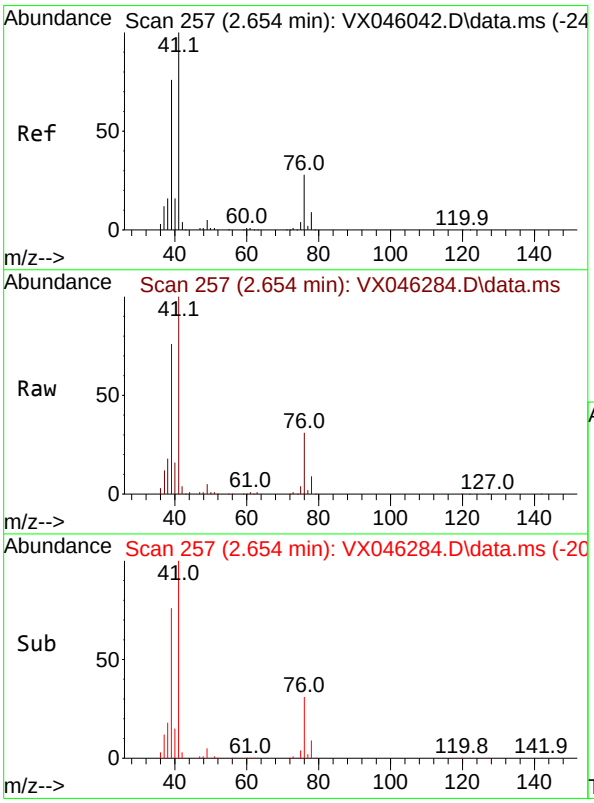
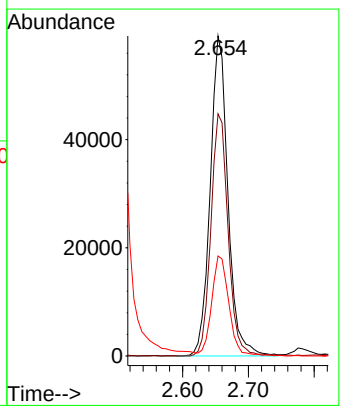
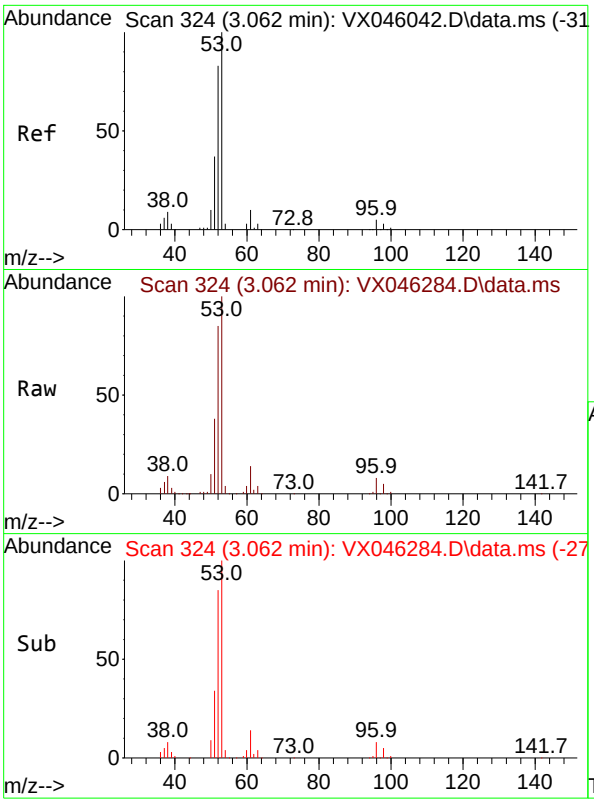


#14
Allyl chloride
Concen: 51.600 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 111182

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.6	90.8
76	30.2	24.9	37.3





#15
Acrylonitrile
Concen: 255.100 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 53 Resp: 18149

Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.3	97.9
51	38.5	29.8	44.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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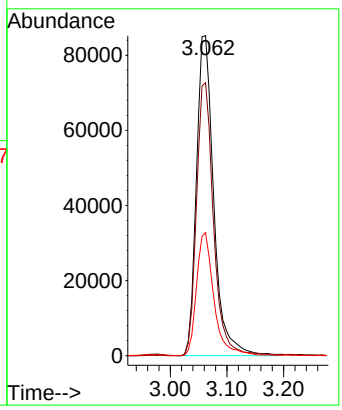
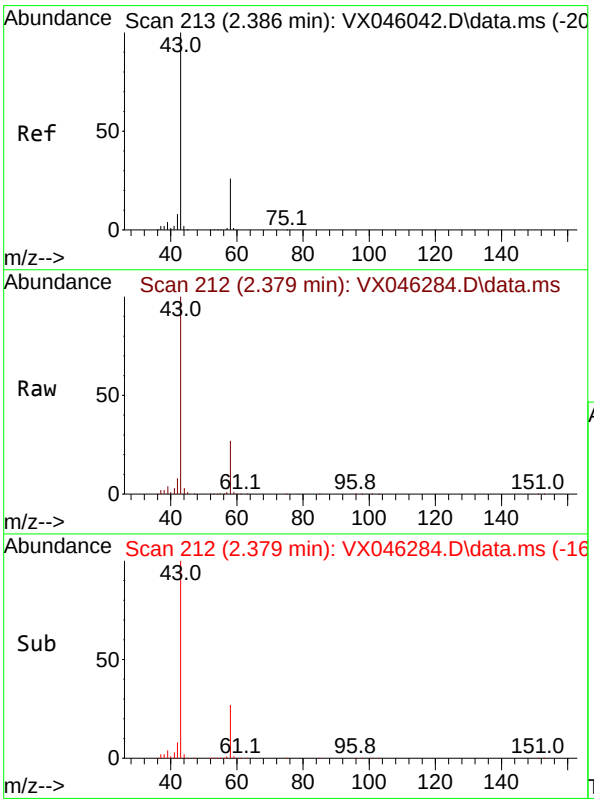
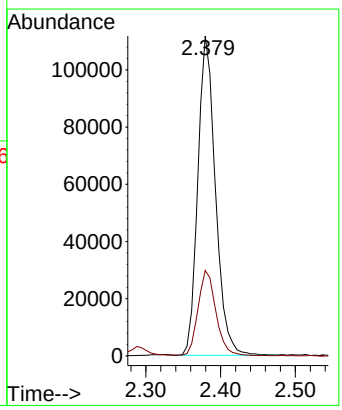


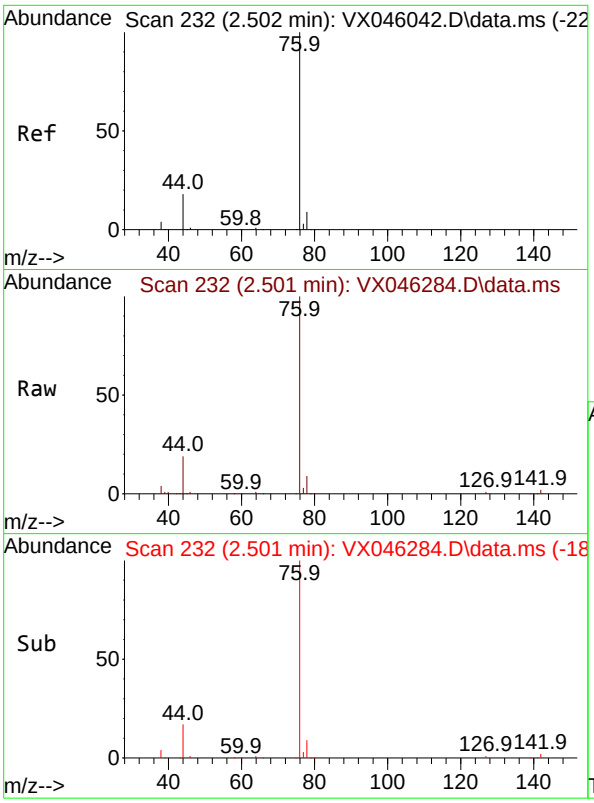


#16
Acetone
Concen: 257.477 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 182996

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.2	31.8





#17
Carbon Disulfide
Concen: 45.096 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 76 Resp: 12053

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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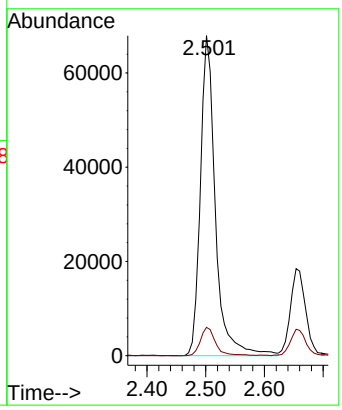
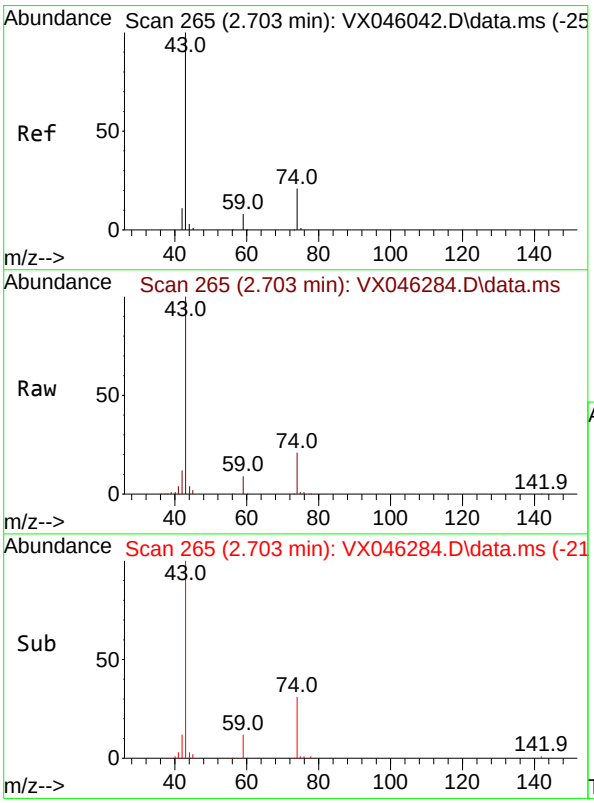
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

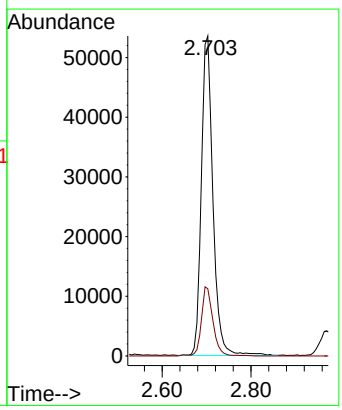


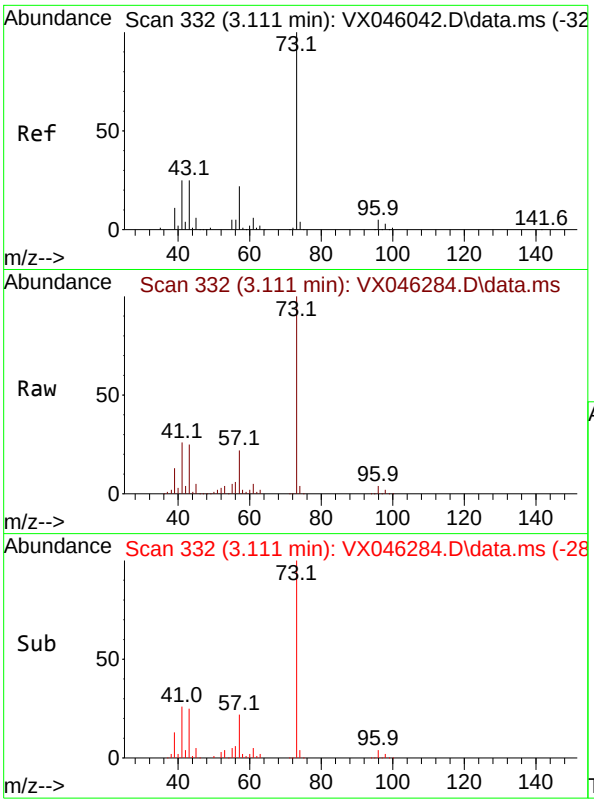


#18
Methyl Acetate
Concen: 59.105 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 97480

Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 51.499 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 73 Resp: 20355

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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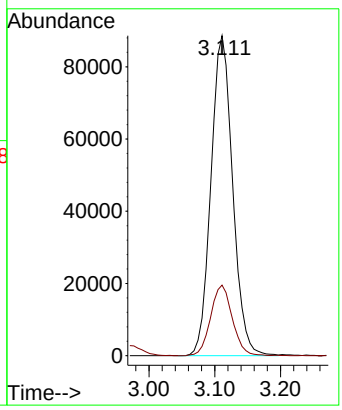
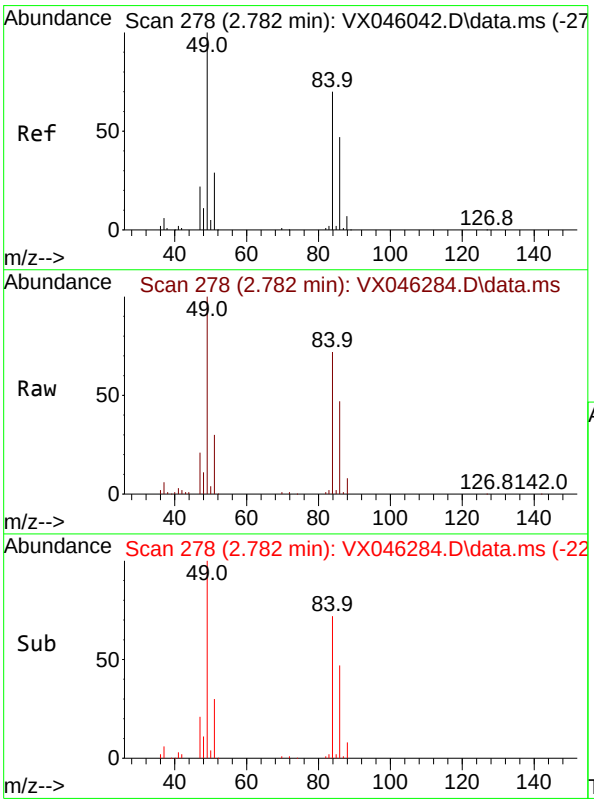
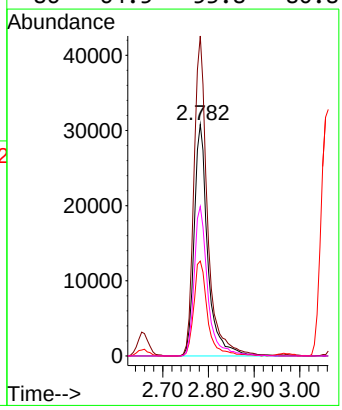


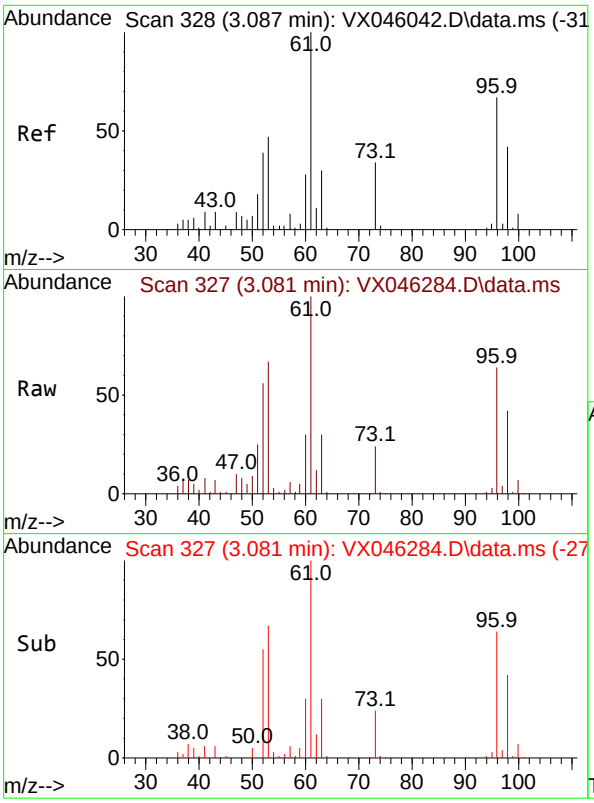


#20
Methylene Chloride
Concen: 46.691 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 84 Resp: 63593

Ion	Ratio	Lower	Upper
84	100		
49	138.2	113.9	170.9
51	41.0	33.5	50.3
86	64.5	53.8	80.8

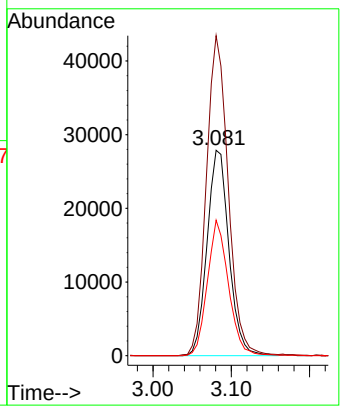




#21
trans-1,2-Dichloroethene
Concen: 47.714 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 96 Resp: 5409

Ion	Ratio	Lower	Upper
96	100		
61	155.7	119.5	179.3
98	66.0	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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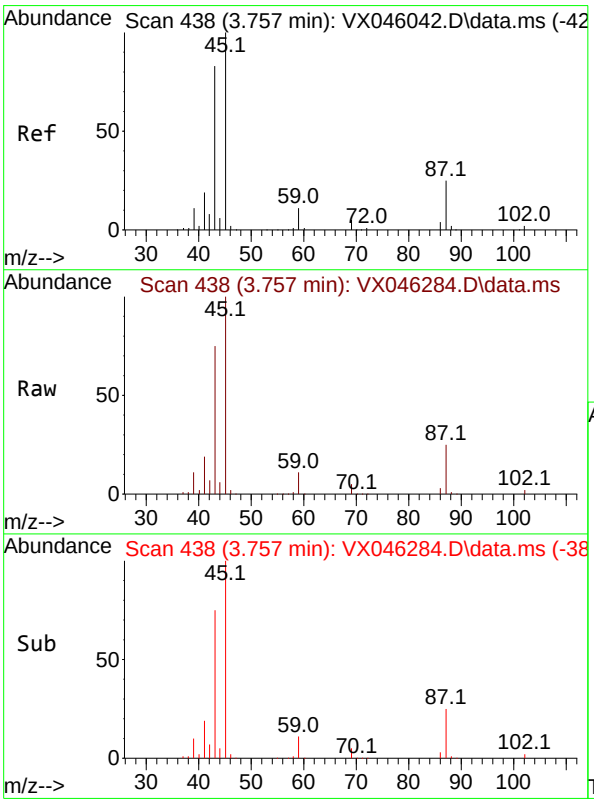
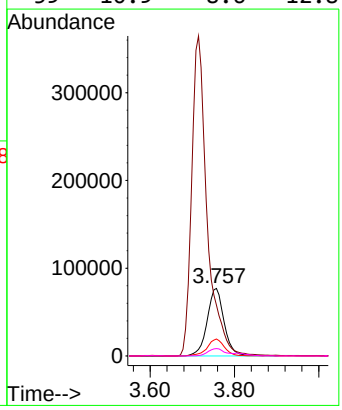
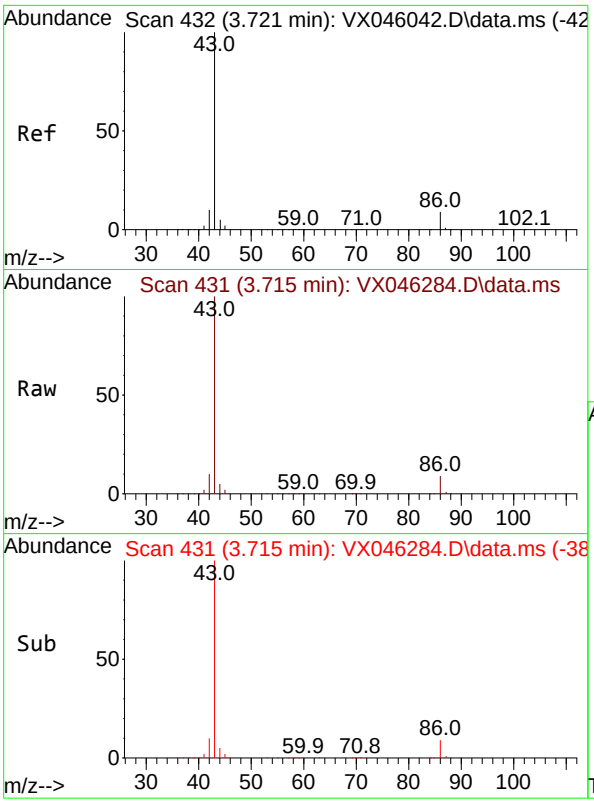


#22
Diisopropyl ether
Concen: 51.803 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 45 Resp: 215610

Ion	Ratio	Lower	Upper
45	100		
43	75.3	66.6	100.0
87	25.0	19.8	29.6
59	10.9	8.6	12.8





#23
Vinyl Acetate
Concen: 254.084 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 93012

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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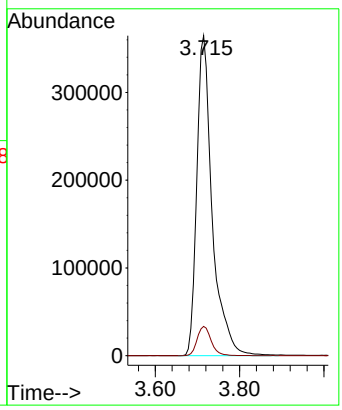
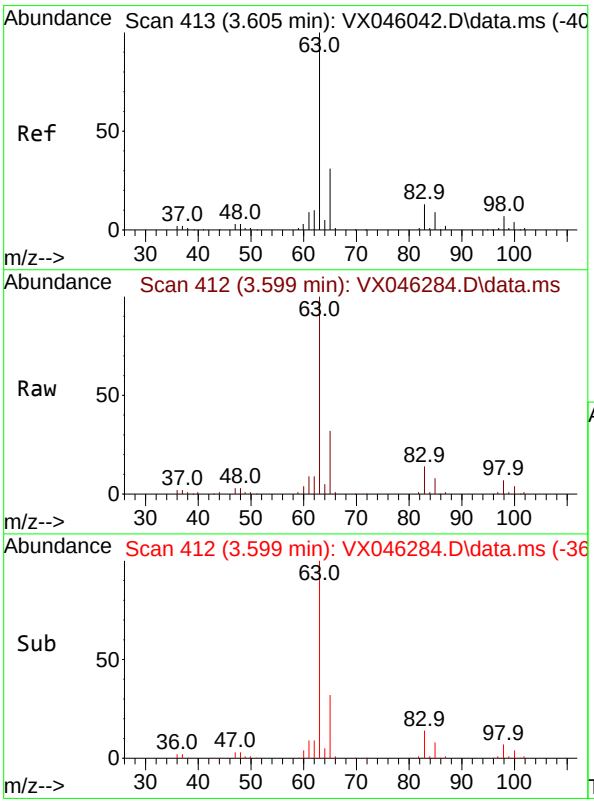
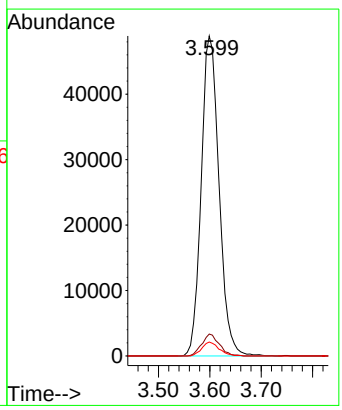


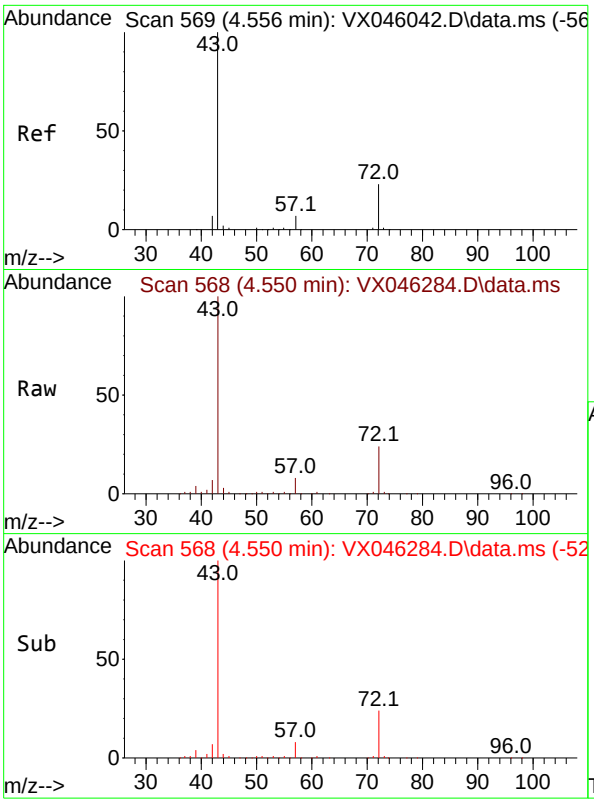


#24
1,1-Dichloroethane
Concen: 50.800 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 117763

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.4	2.1	6.3





#25
2-Butanone
Concen: 254.074 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 26216

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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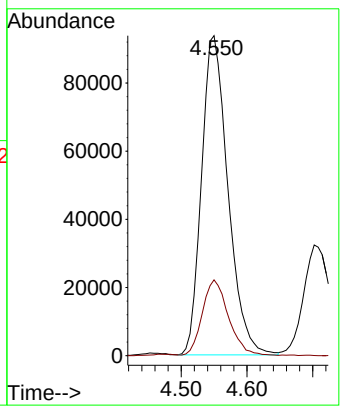
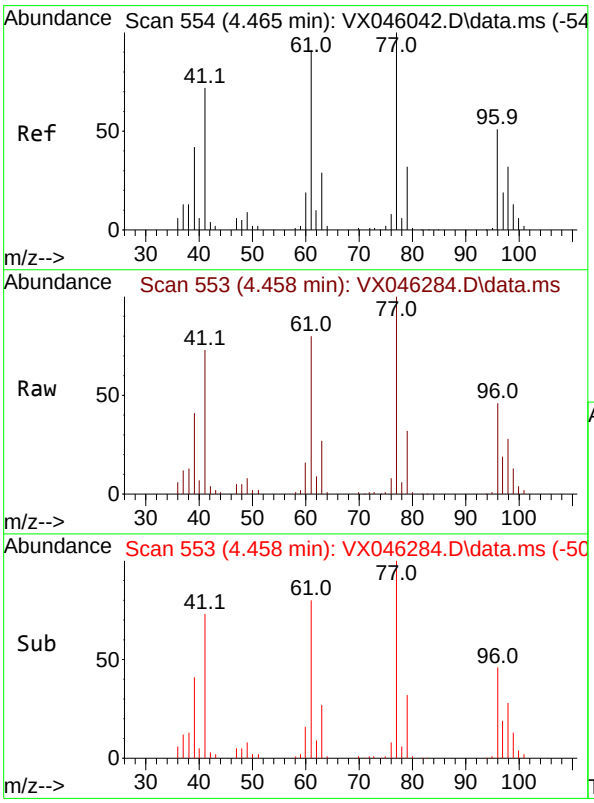
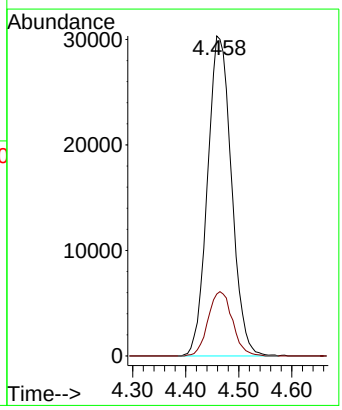


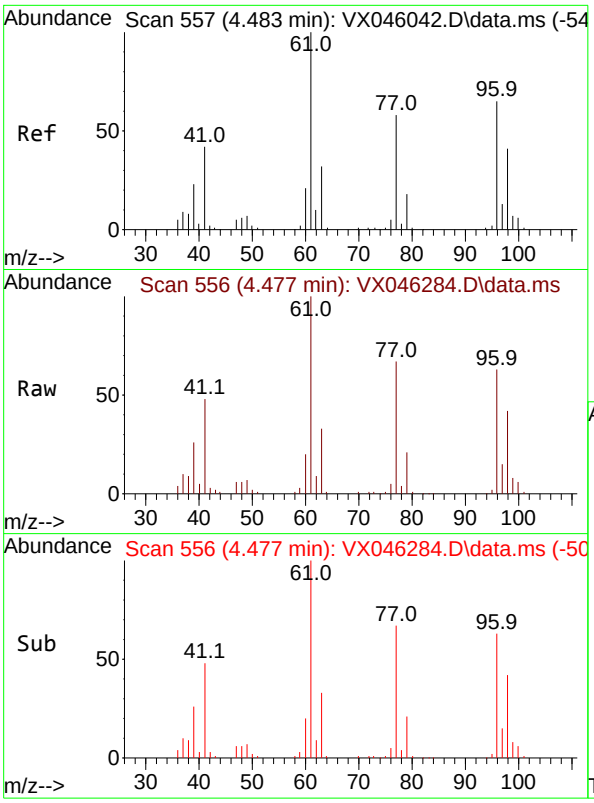


#26
2,2-Dichloropropane
Concen: 52.543 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 77 Resp: 95337

Ion	Ratio	Lower	Upper
77	100		
97	20.3	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 49.246 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 96 Resp: 6721

Ion	Ratio	Lower	Upper
96	100		
61	162.3	0.0	322.8
98	64.6	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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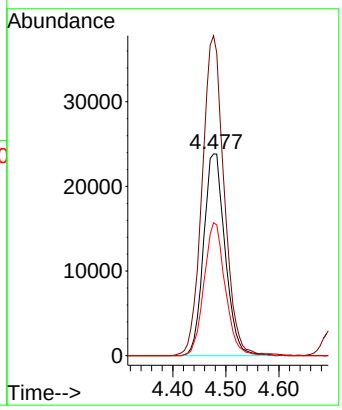
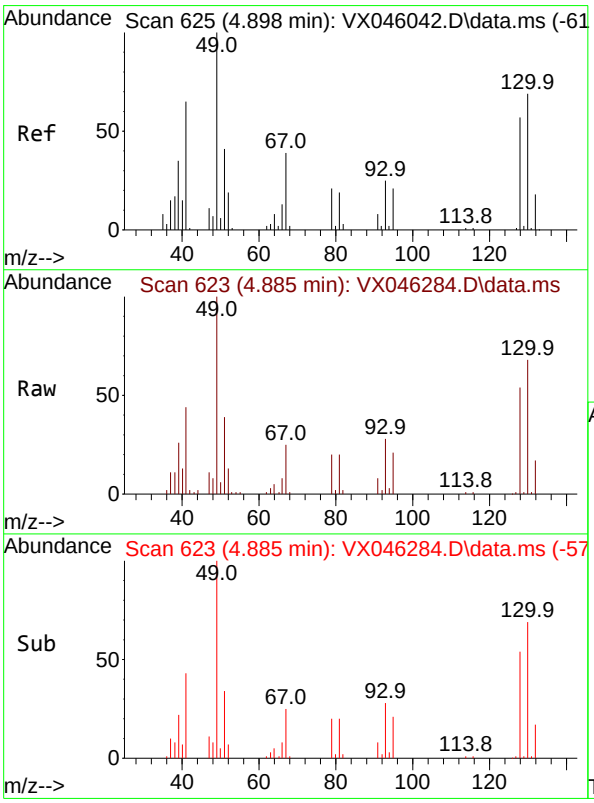
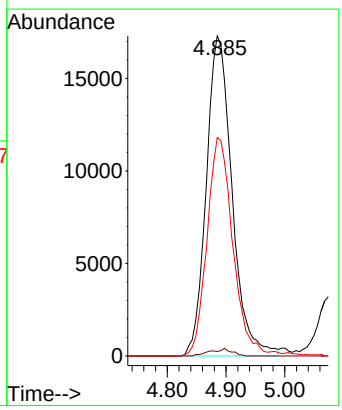


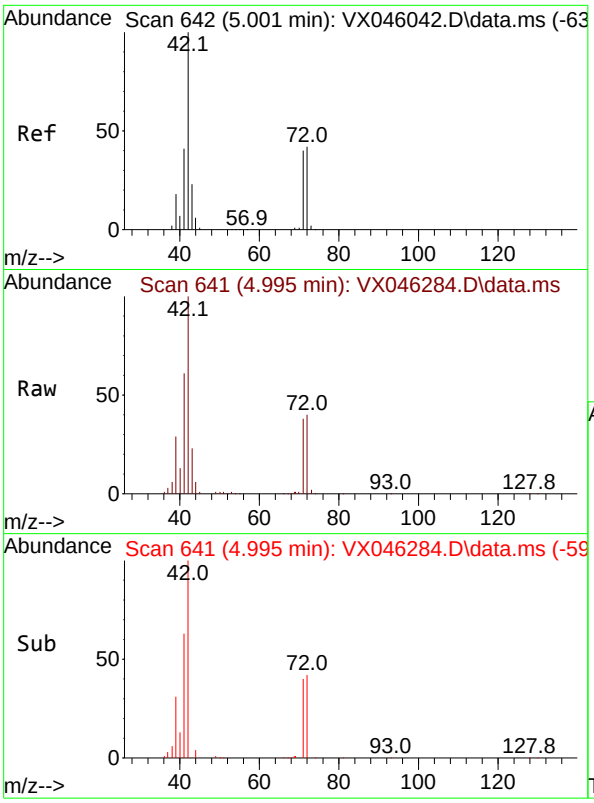


#28
Bromochloromethane
Concen: 47.215 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 49 Resp: 52685

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	68.0	56.2	84.2





#29
Tetrahydrofuran
Concen: 250.853 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 42 Resp: 16219

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	37.8	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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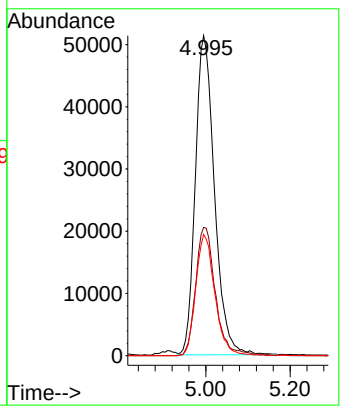
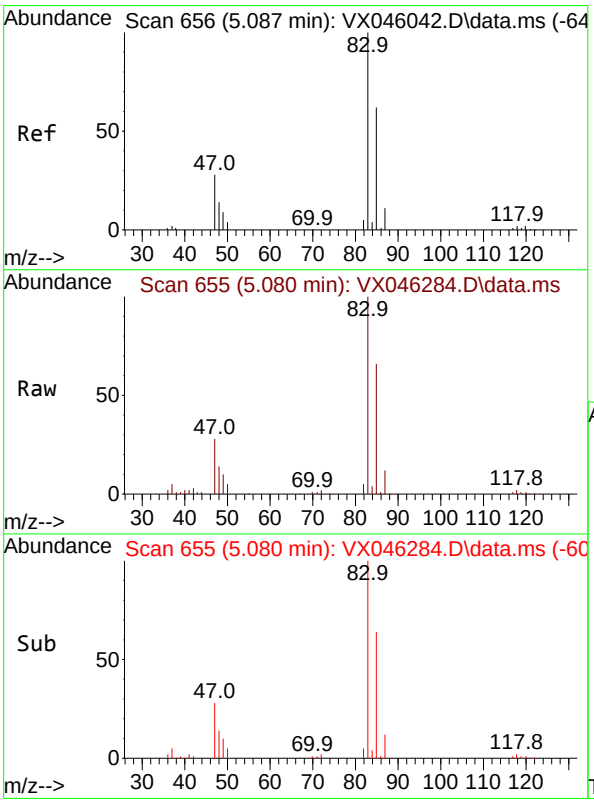
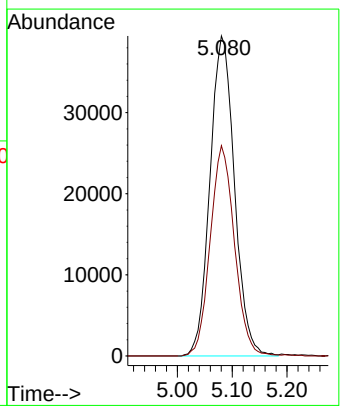


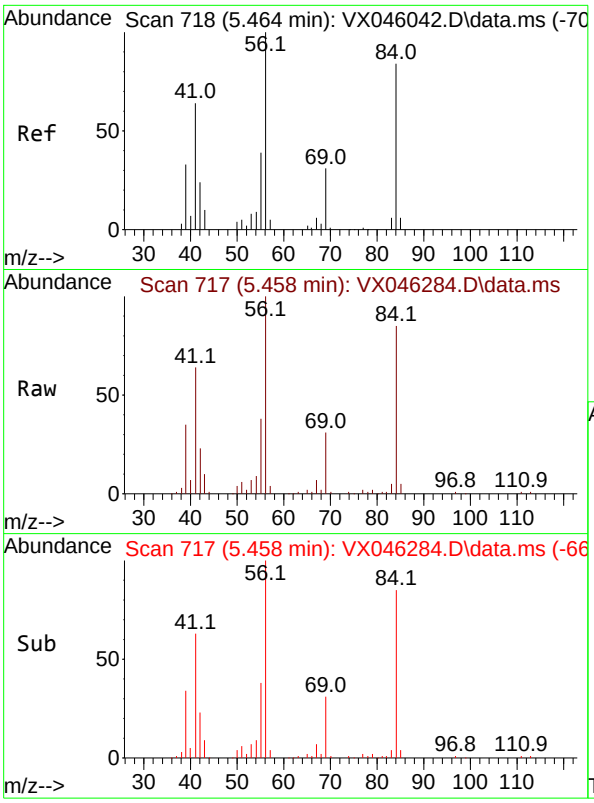


#30
Chloroform
Concen: 50.762 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 122654

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9

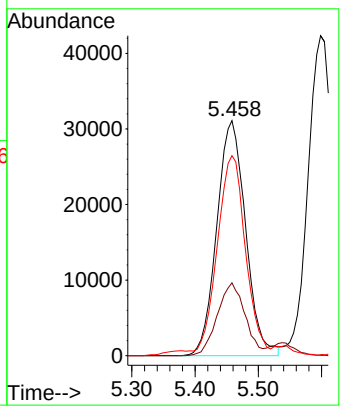




#31
Cyclohexane
Concen: 46.552 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 56 Resp: 9833

Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.4	36.6
84	83.0	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
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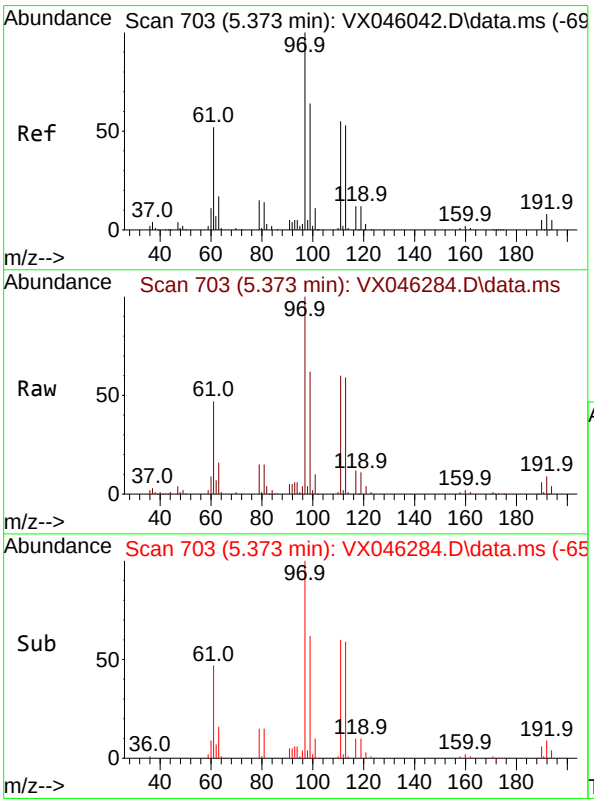
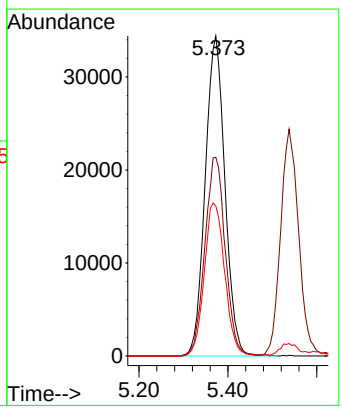
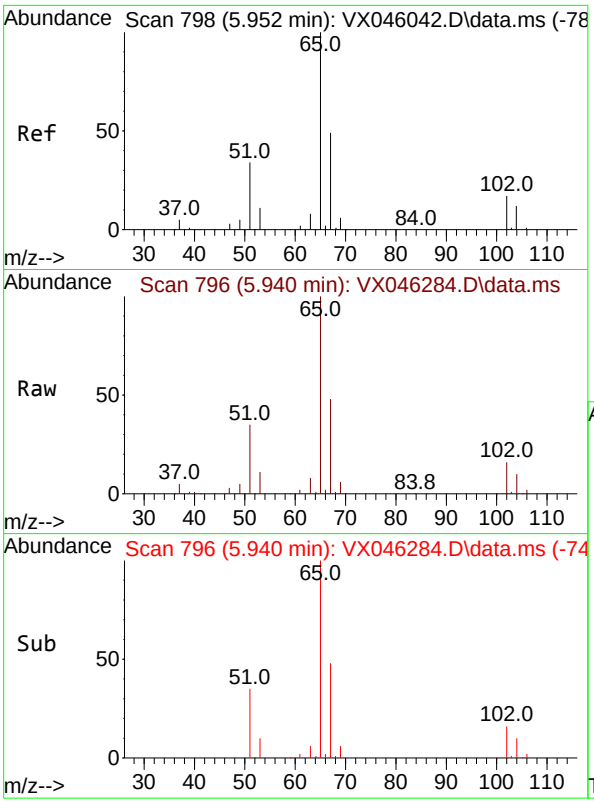


#32
1,1,1-Trichloroethane
Concen: 50.660 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 97 Resp: 106109

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	49.6	40.1	60.1

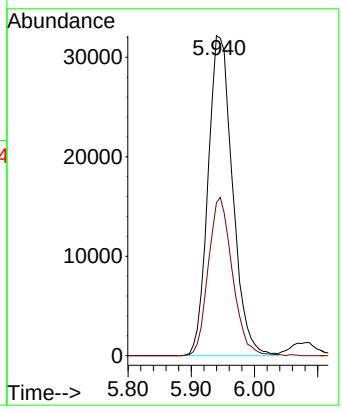




#33
1,2-Dichloroethane-d4
Concen: 48.949 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 65 Resp: 8676

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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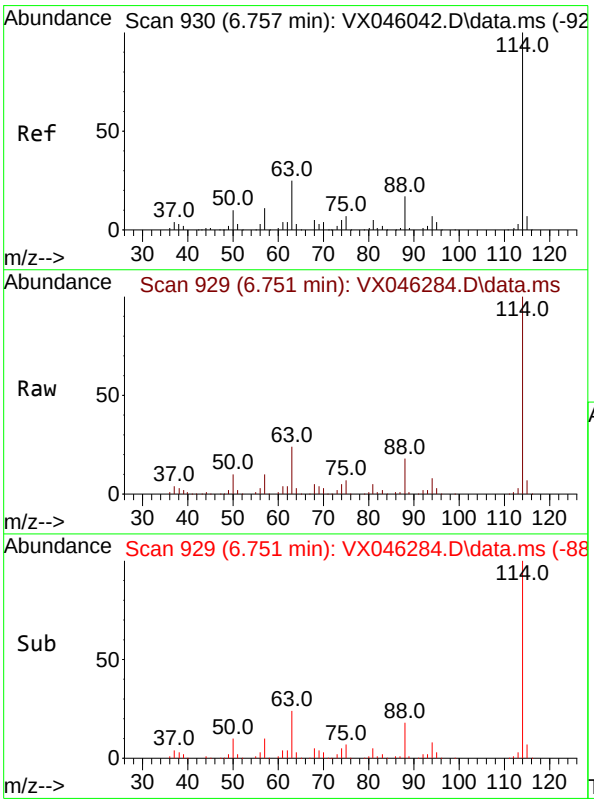
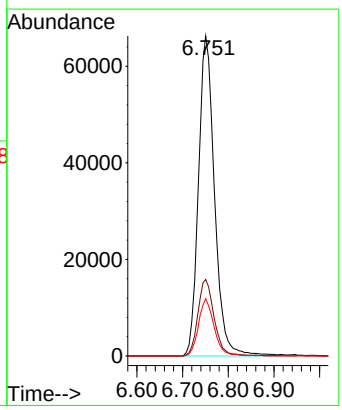
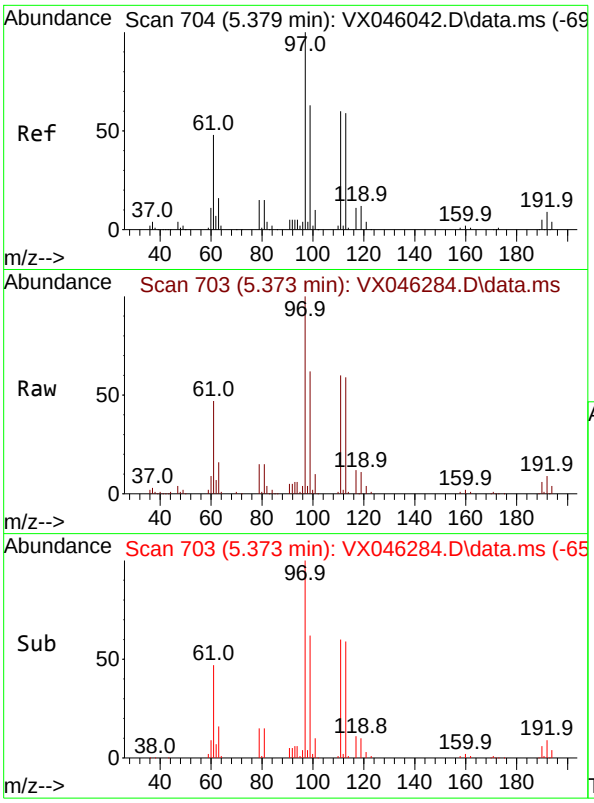


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:114 Resp: 161730

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	17.9	0.0	33.6

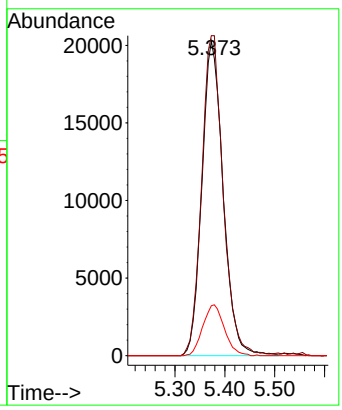




#35
Dibromofluoromethane
Concen: 51.518 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:113 Resp: 5999

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	16.4	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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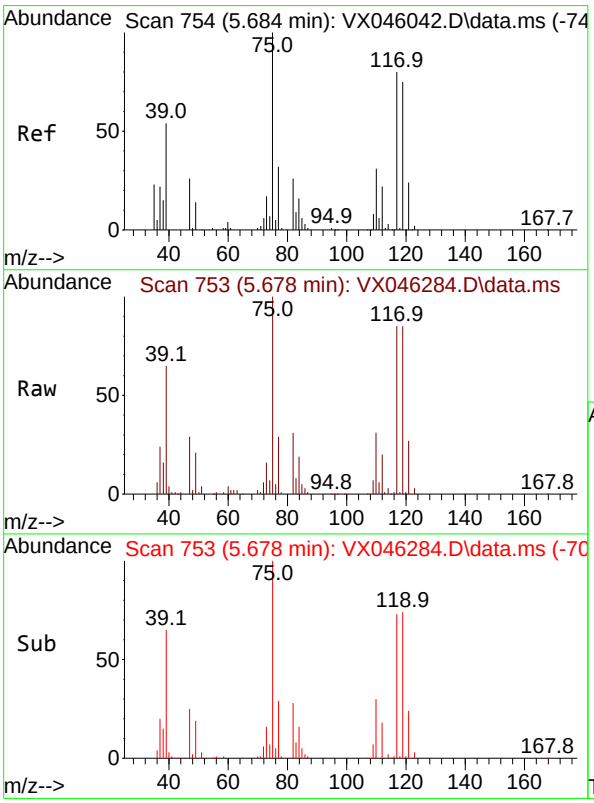
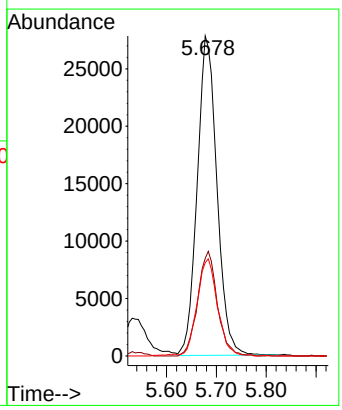
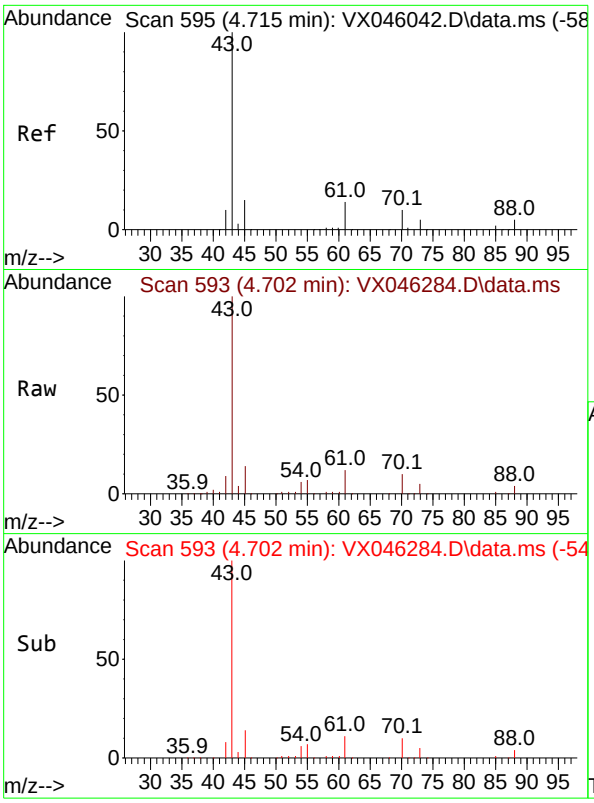


#36
1,1-Dichloropropene
Concen: 48.791 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 76348

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.3	48.9
77	31.6	24.3	36.5

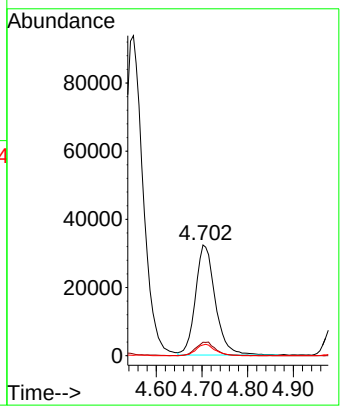




#37
Ethyl Acetate
Concen: 50.197 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 9704

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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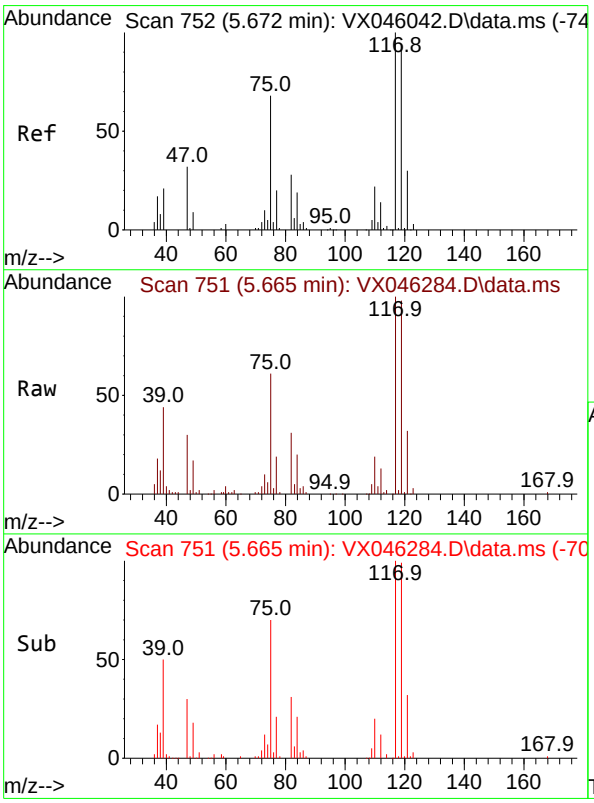
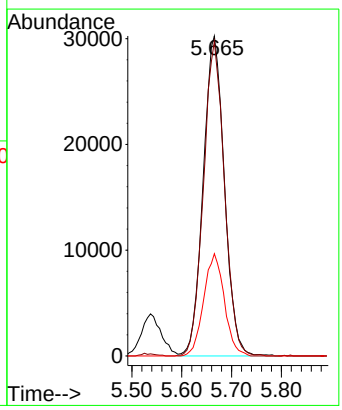
Supervised By :Mahesh Dadoda 05/22/2025

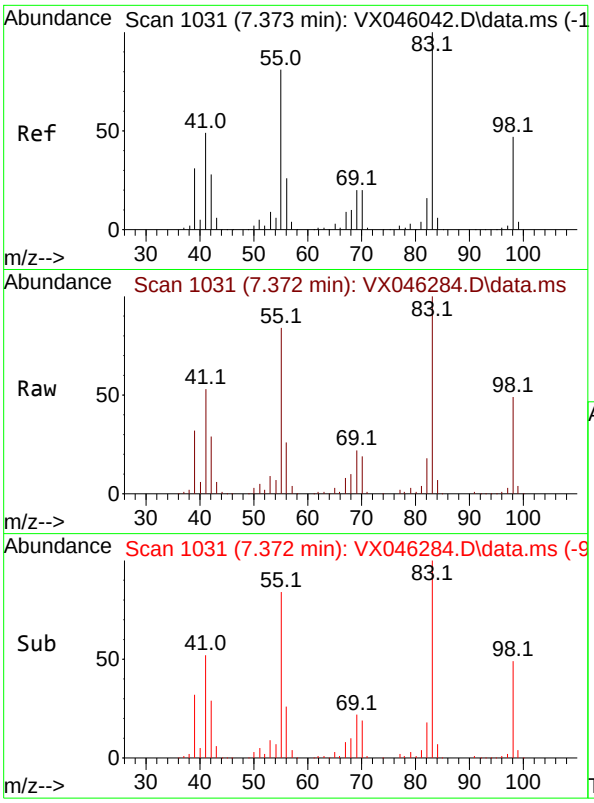


#38
Carbon Tetrachloride
Concen: 50.907 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 89504

Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.2	112.8
121	32.0	24.2	36.4

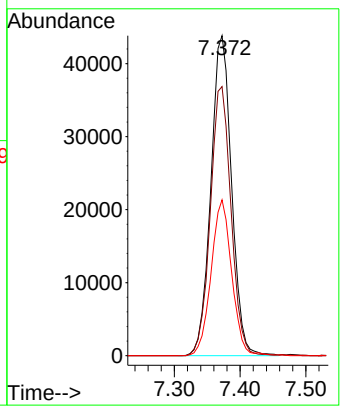




#39
Methylcyclohexane
Concen: 47.691 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 9607

Ion	Ratio	Lower	Upper
83	100		
55	84.1	64.7	97.1
98	48.7	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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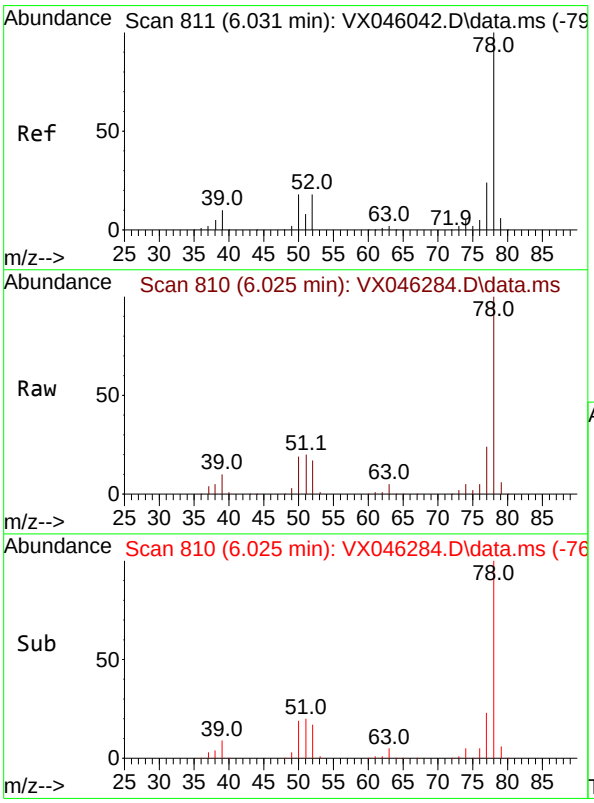
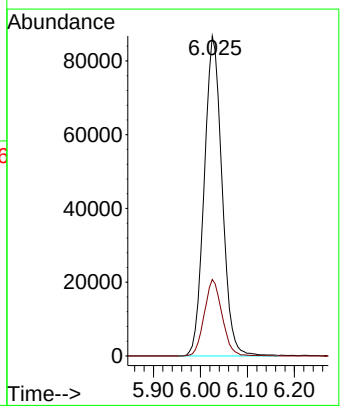
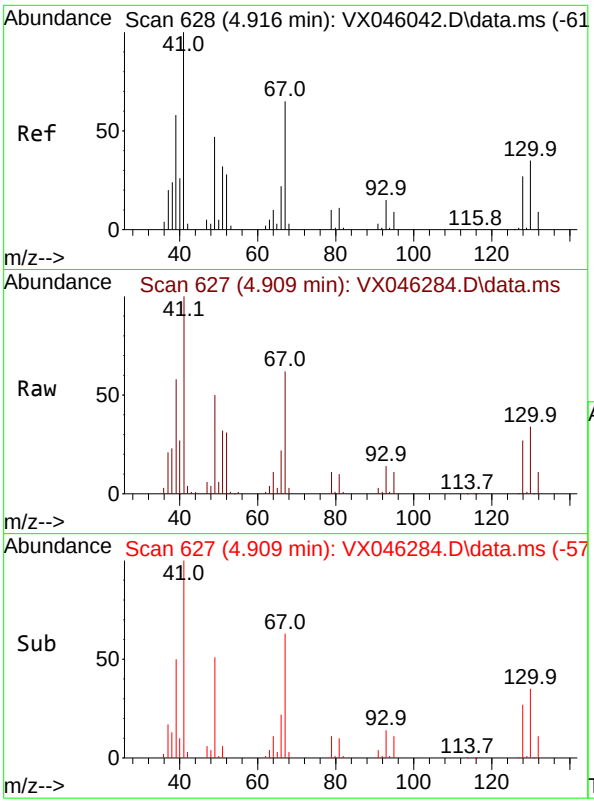


#40
Benzene
Concen: 49.833 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 78 Resp: 228406

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

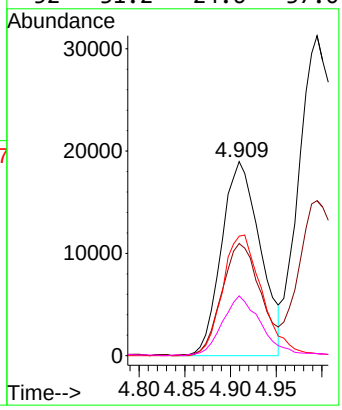




#41
Methacrylonitrile
Concen: 55.480 ug/l
RT: 4.909 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 5610

Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.2	70.8
67	63.5	50.7	76.1
52	31.2	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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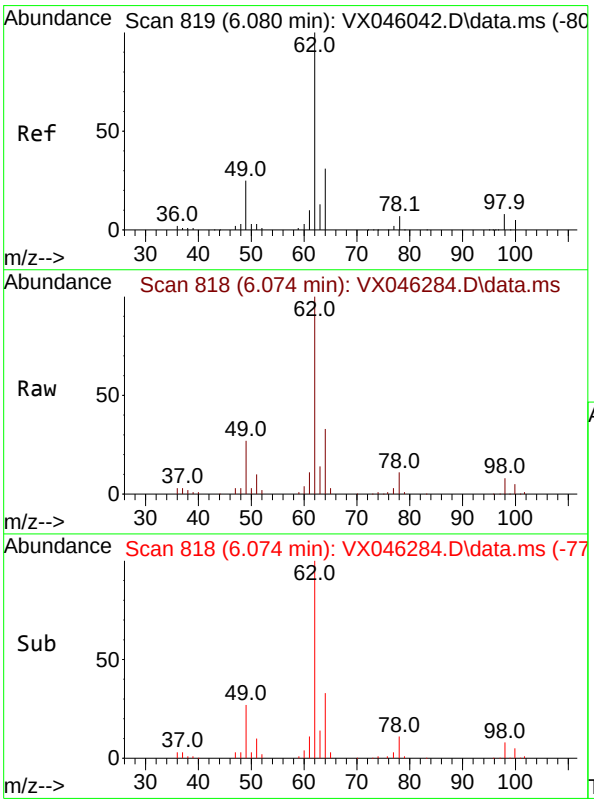
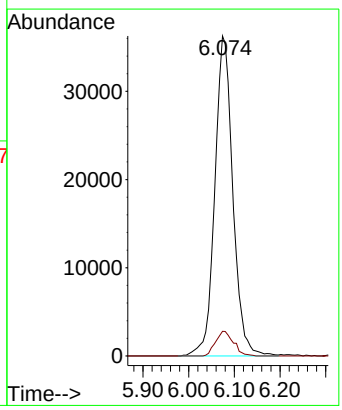
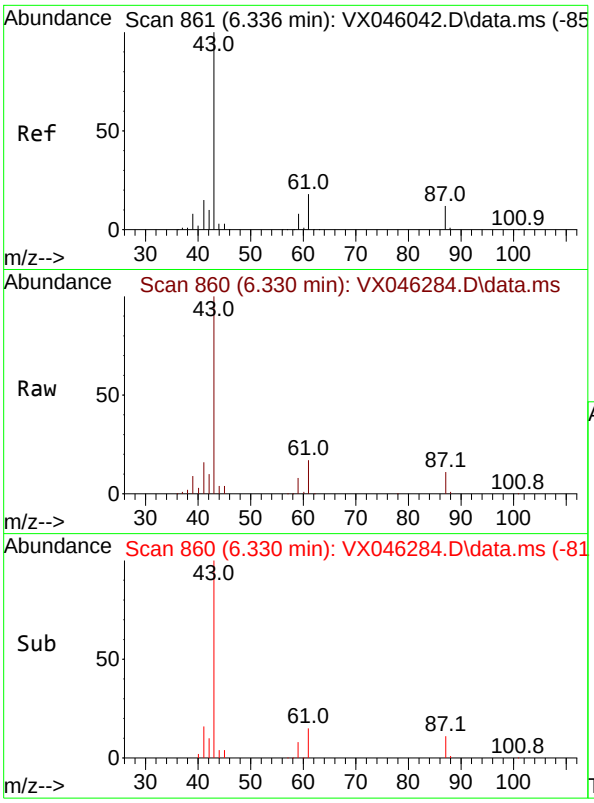


#42
1,2-Dichloroethane
Concen: 50.298 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 62 Resp: 99497

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43
Isopropyl Acetate
Concen: 52.987 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 15627

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.3	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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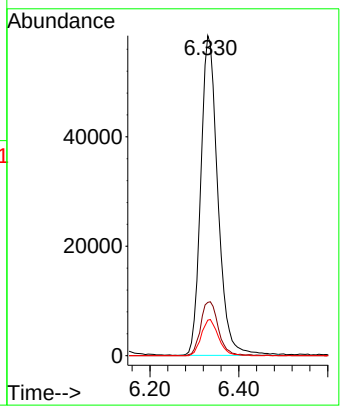
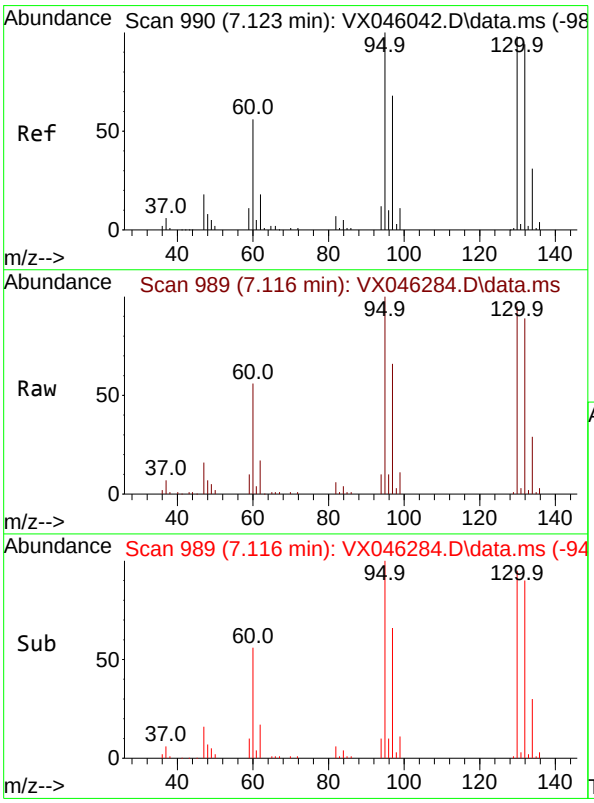
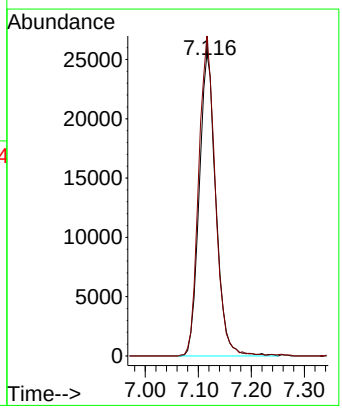


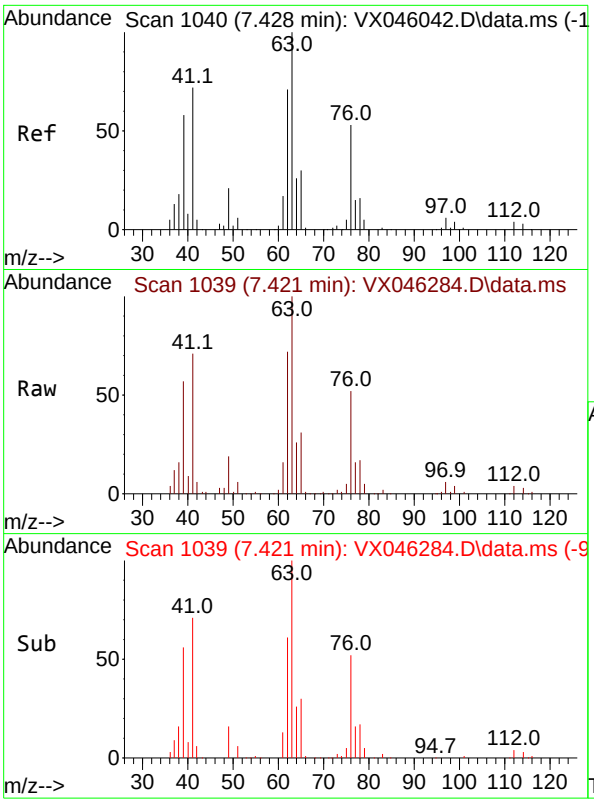


#44
Trichloroethene
Concen: 50.452 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:130 Resp: 55656

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	204.2





#45
1,2-Dichloropropane
Concen: 51.990 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 5925

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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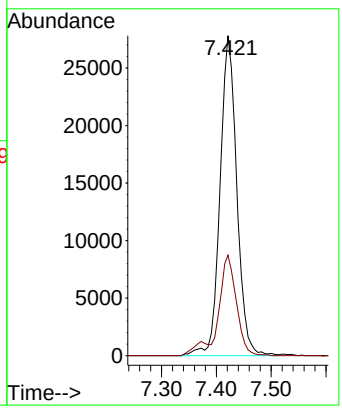
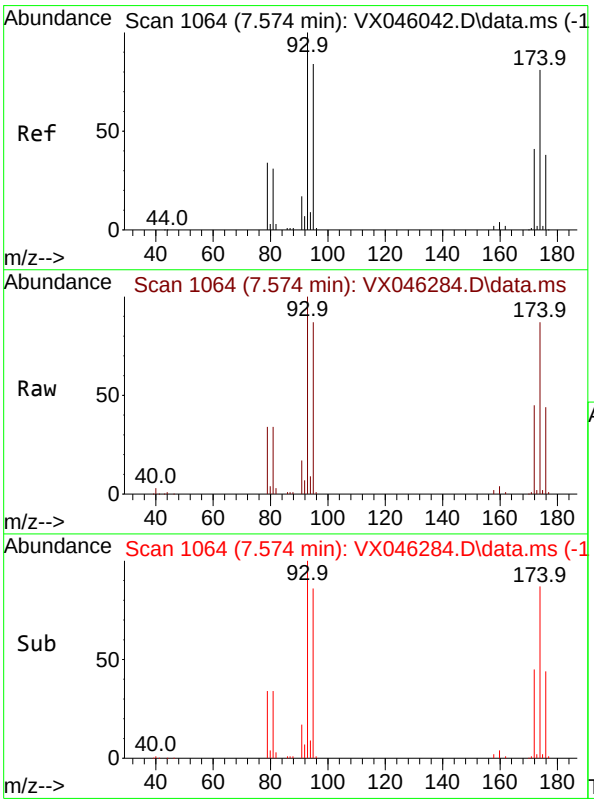
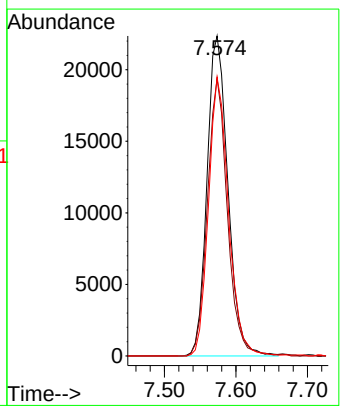


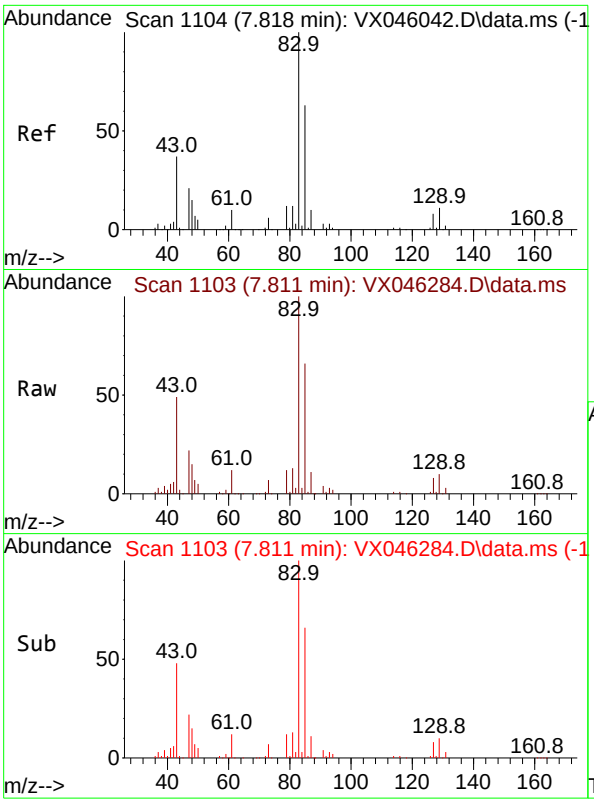


#46
Dibromomethane
Concen: 50.531 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 93 Resp: 45422

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	83.8	68.2	102.2

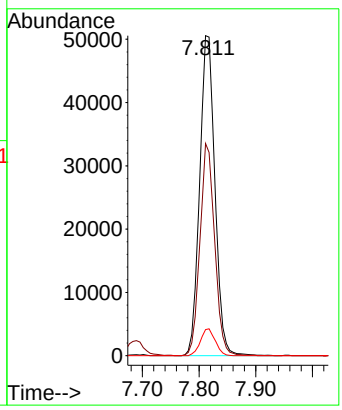




#47
Bromodichloromethane
Concen: 53.478 ug/l
RT: 7.811 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 9467

Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7
127	8.1	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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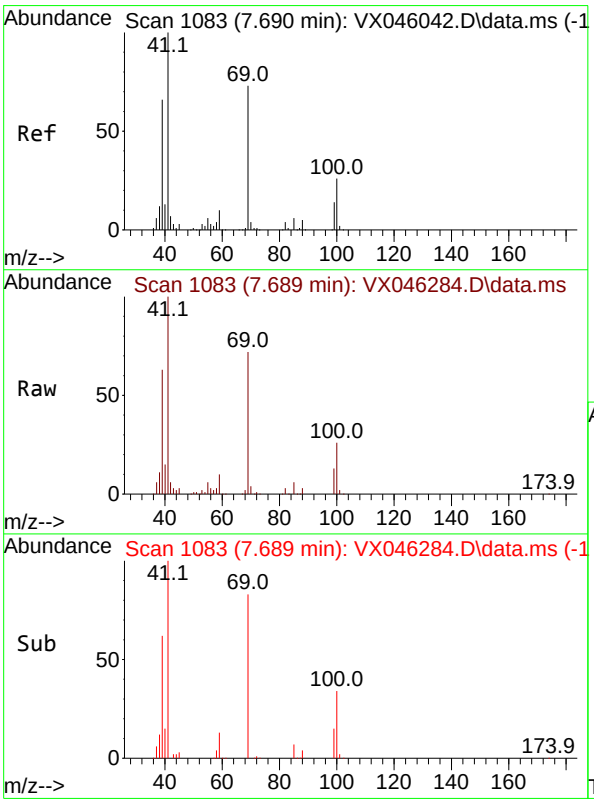
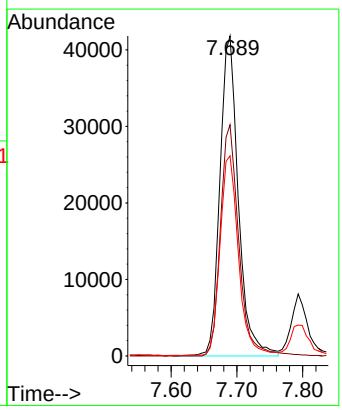
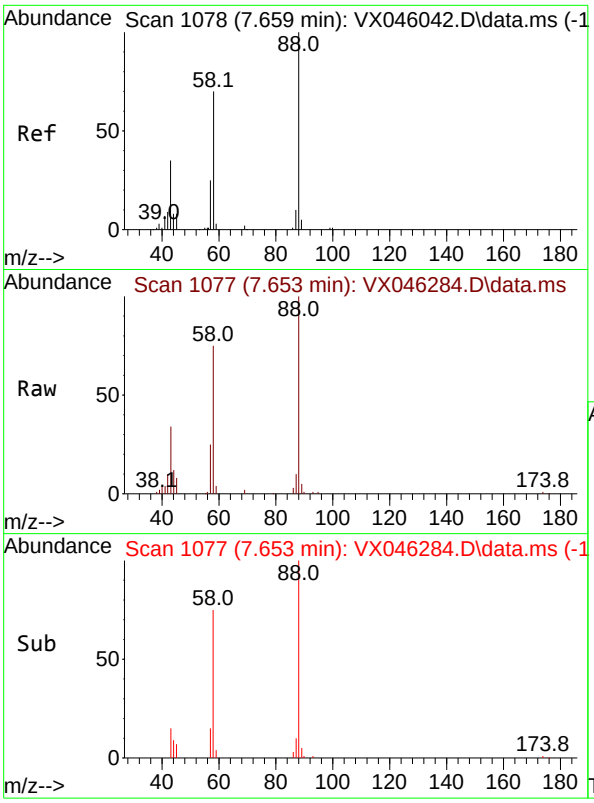


#48
Methyl methacrylate
Concen: 54.212 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 81658

Ion	Ratio	Lower	Upper
41	100		
69	72.1	58.5	87.7
39	62.3	51.7	77.5





#49
1,4-Dioxane
Concen: 977.870 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 88 Resp: 2796

Ion	Ratio	Lower	Upper
88	100		
43	42.1	33.4	50.2
58	76.5	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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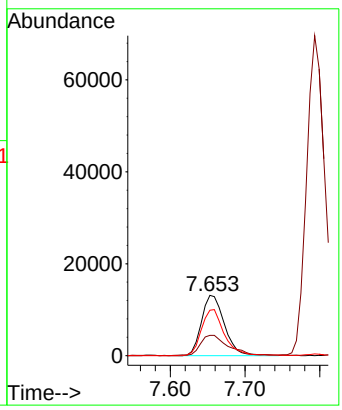
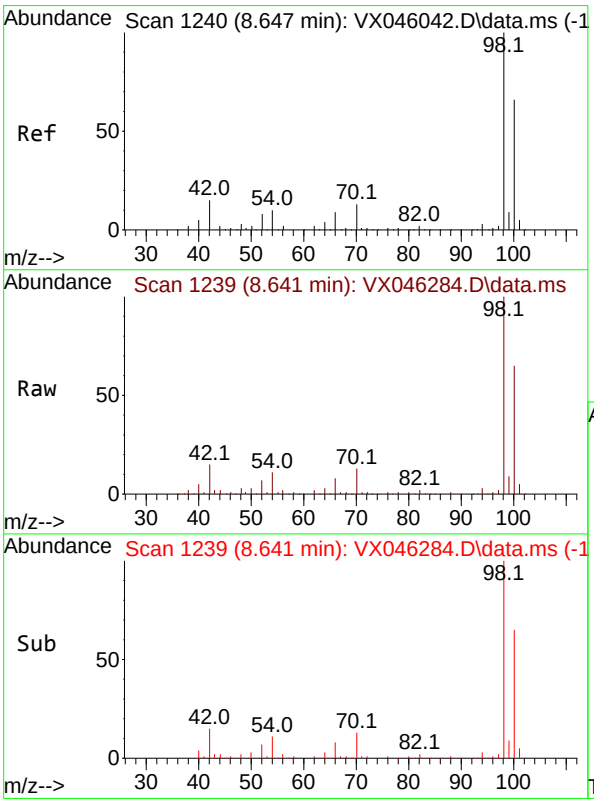
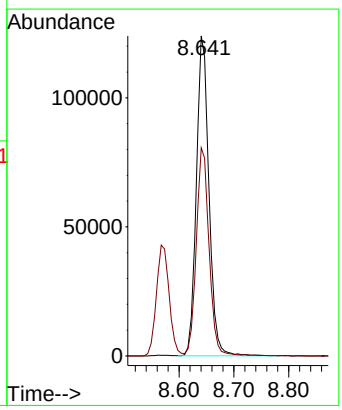


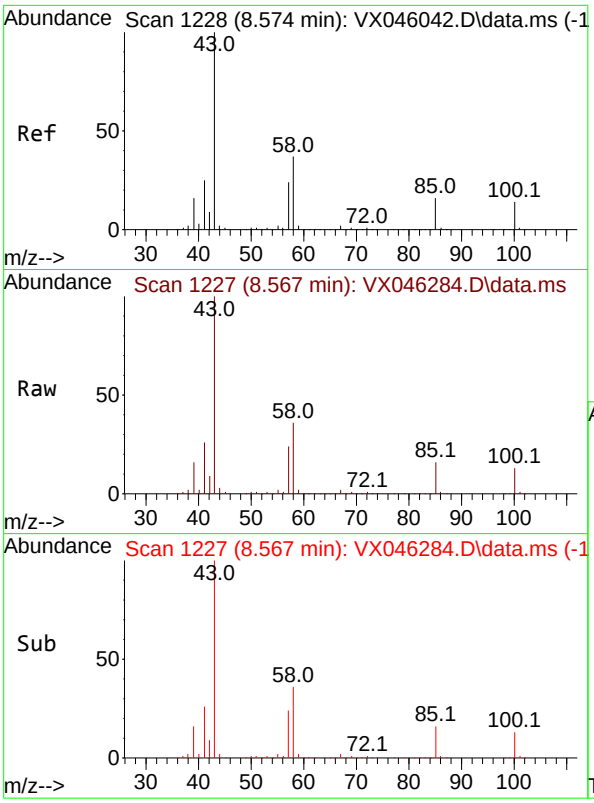


#50
Toluene-d8
Concen: 49.081 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 98 Resp: 197841

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 262.926 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 51474

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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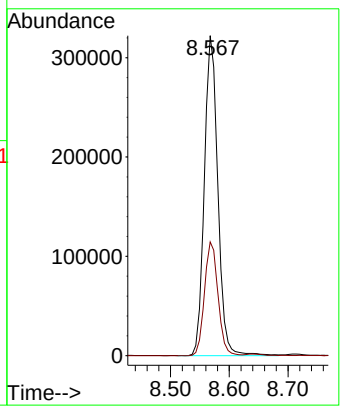
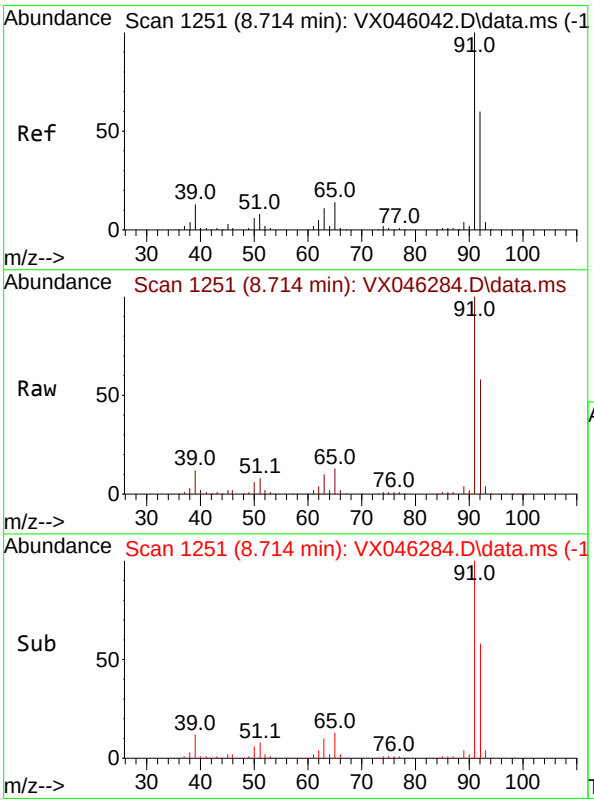
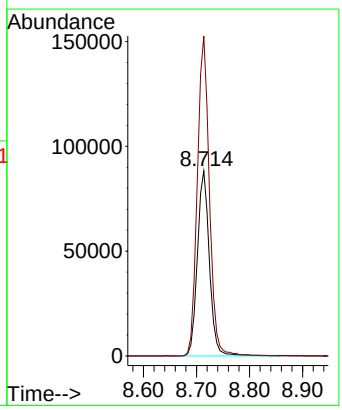


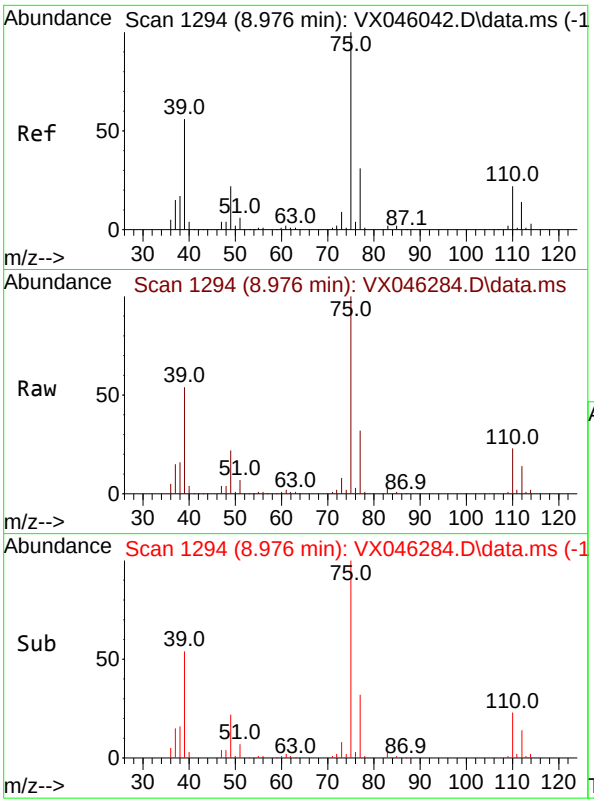


#52
Toluene
Concen: 49.311 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 92 Resp: 138588

Ion	Ratio	Lower	Upper
92	100		
91	174.2	136.6	205.0

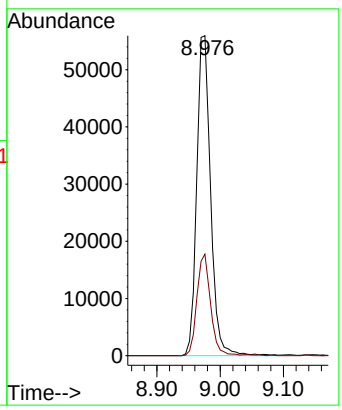




#53
t-1,3-Dichloropropene
Concen: 54.425 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 8564

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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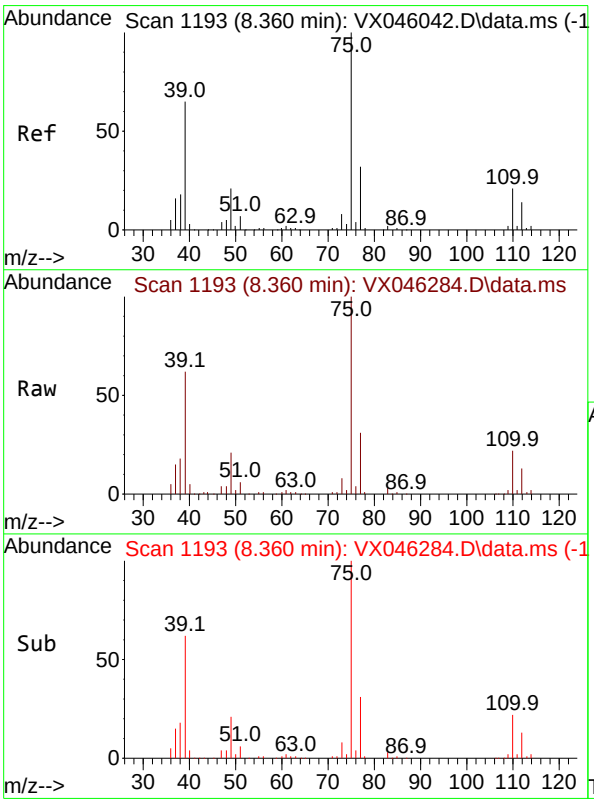
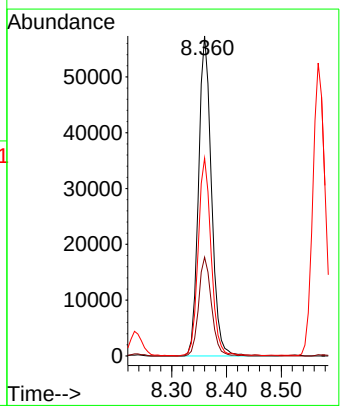
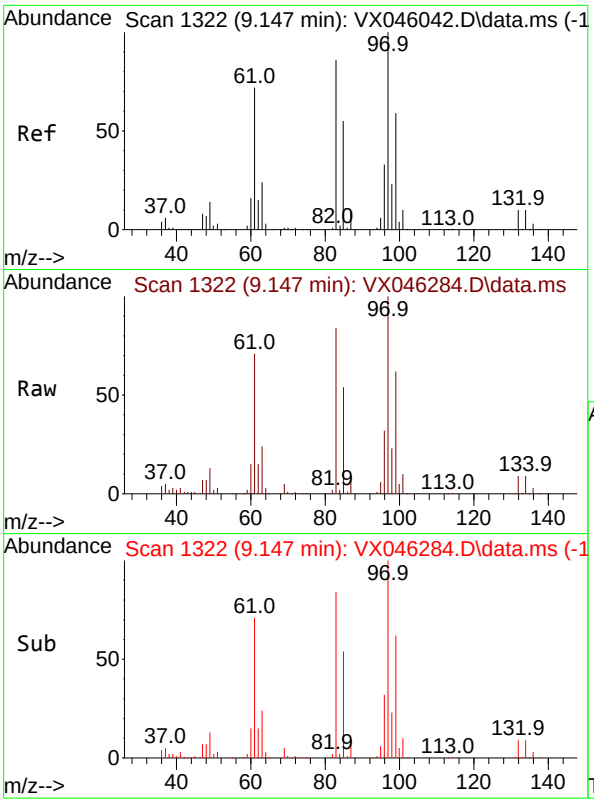


#54
cis-1,3-Dichloropropene
Concen: 54.136 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 94157

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	61.8	52.2	78.4

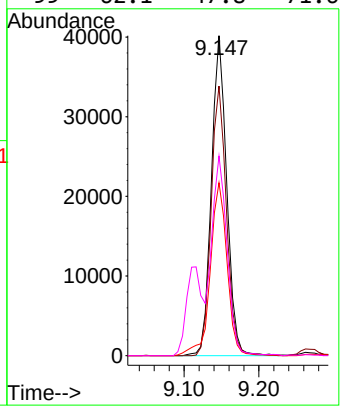




#55
1,1,2-Trichloroethane
Concen: 51.730 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 97 Resp: 5732

Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.0	103.6
85	53.9	44.3	66.5
99	62.1	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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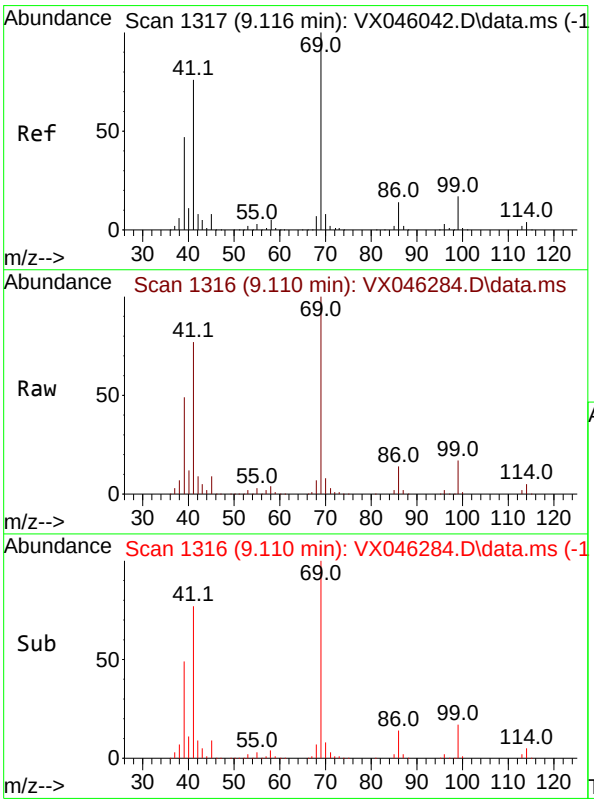
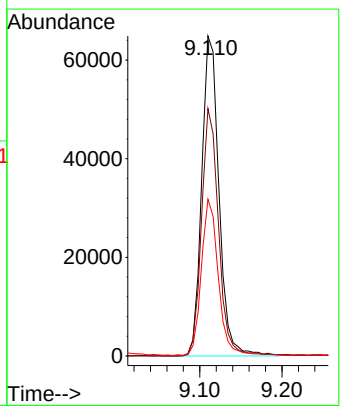
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

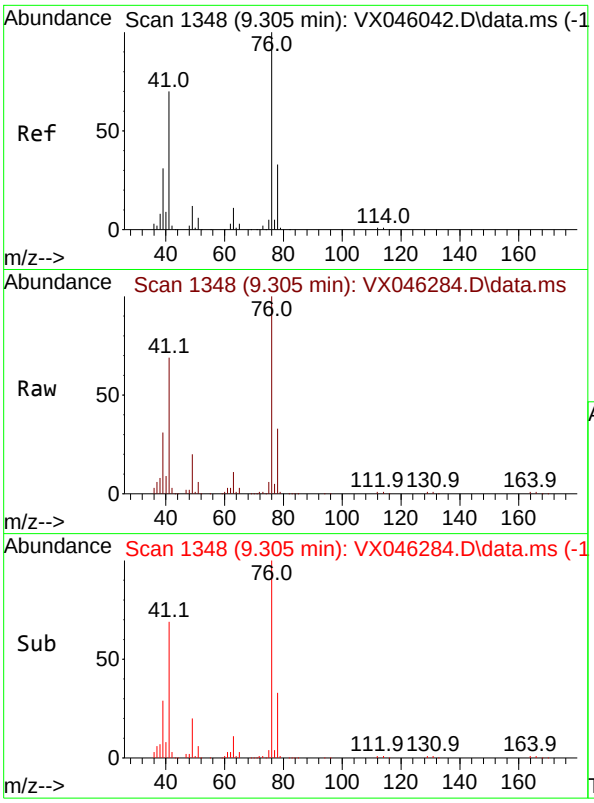


#56
Ethyl methacrylate
Concen: 53.634 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 69 Resp: 94728

Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	48.1	39.0	58.6





#57
1,3-Dichloropropane
Concen: 49.714 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 76 Resp: 9894

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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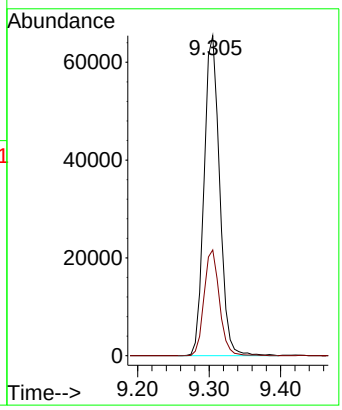
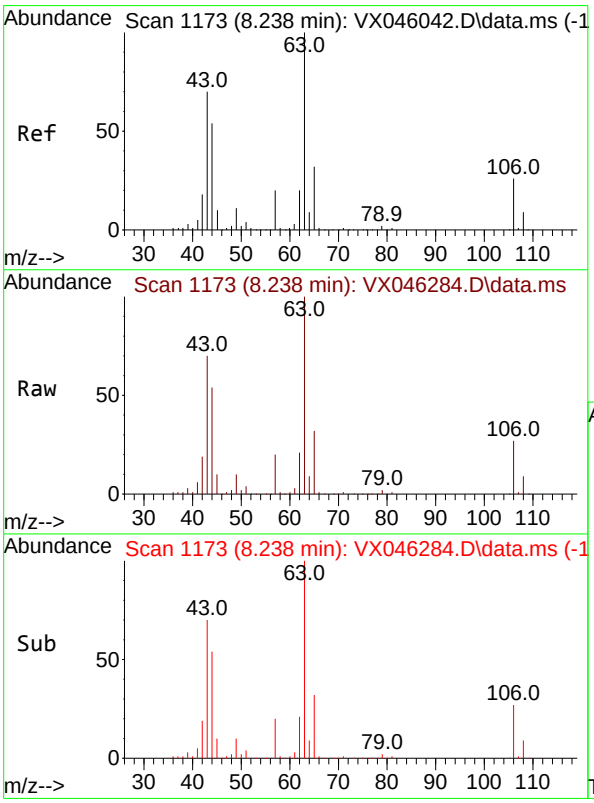
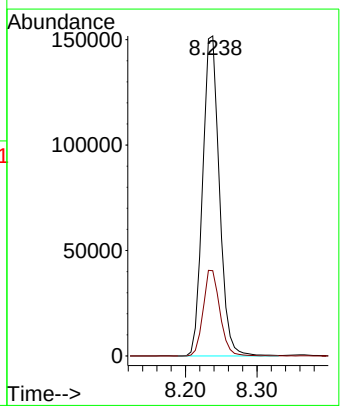


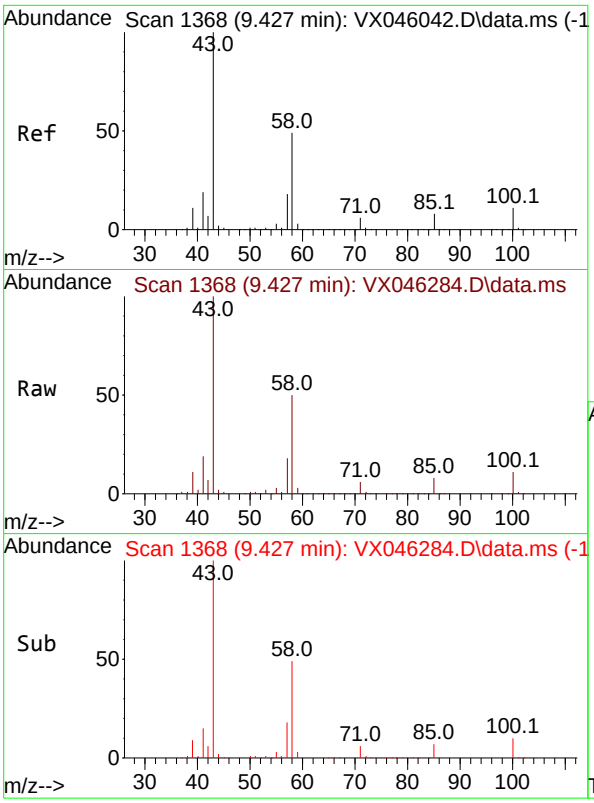


#58
2-Chloroethyl Vinyl ether
Concen: 273.669 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 246422

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3





#59
2-Hexanone
Concen: 263.910 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 38225

Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.9	74.6

Instrument :
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ClientSampleId :
VSTDCCC050

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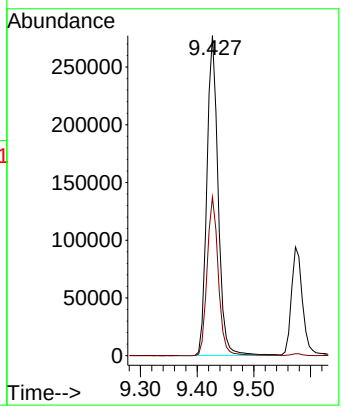
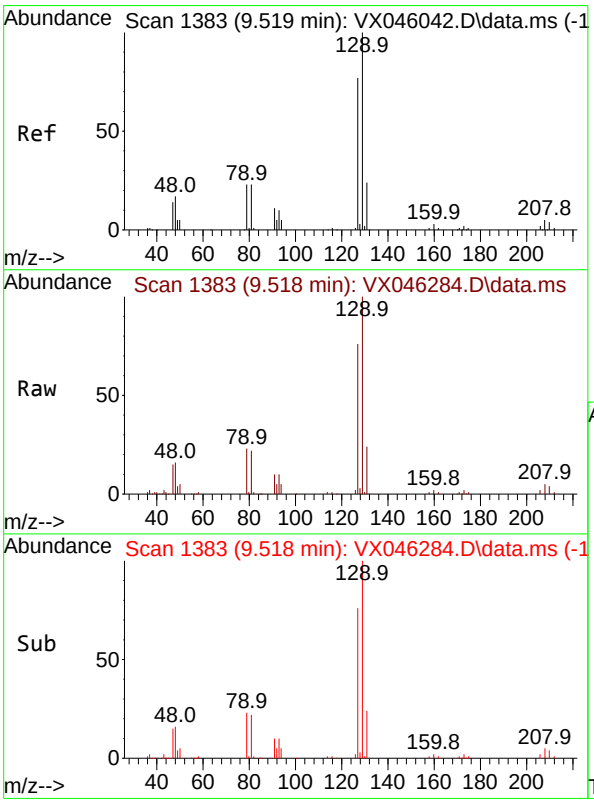
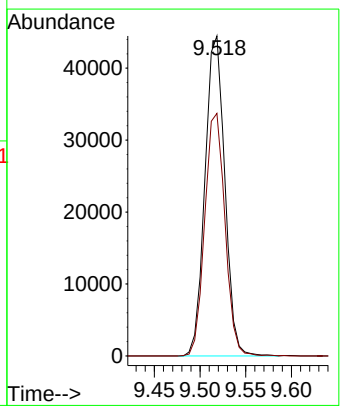


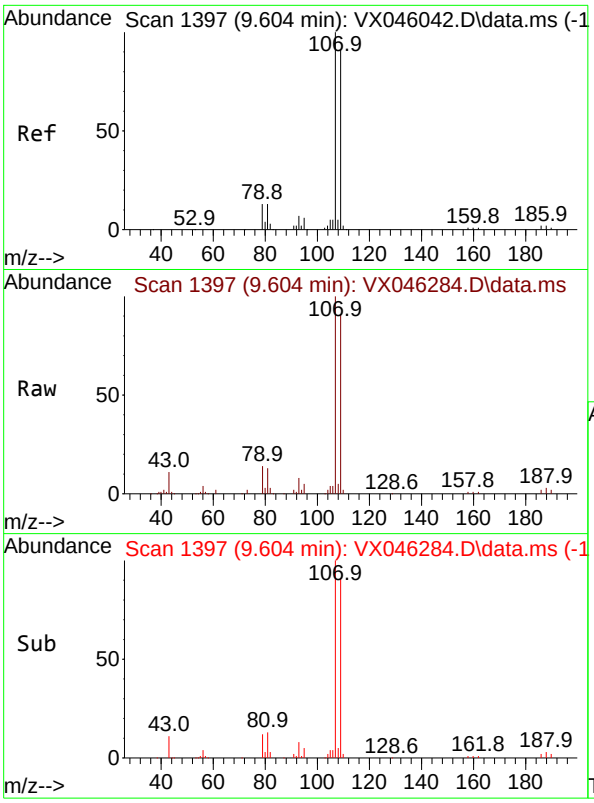


#60
Dibromochloromethane
Concen: 54.971 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:129 Resp: 66902

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8





#61
1,2-Dibromoethane
Concen: 50.413 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:107 Resp: 5806

Ion	Ratio	Lower	Upper
107	100		
109	95.9	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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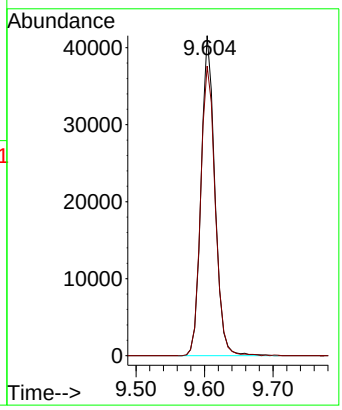
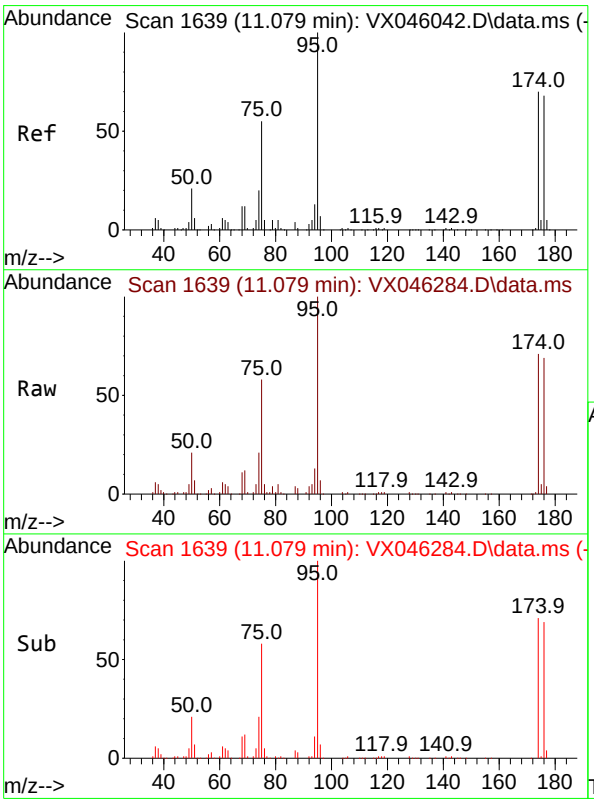
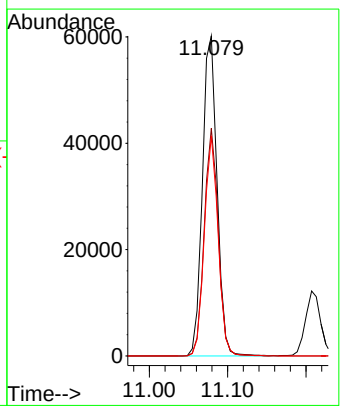


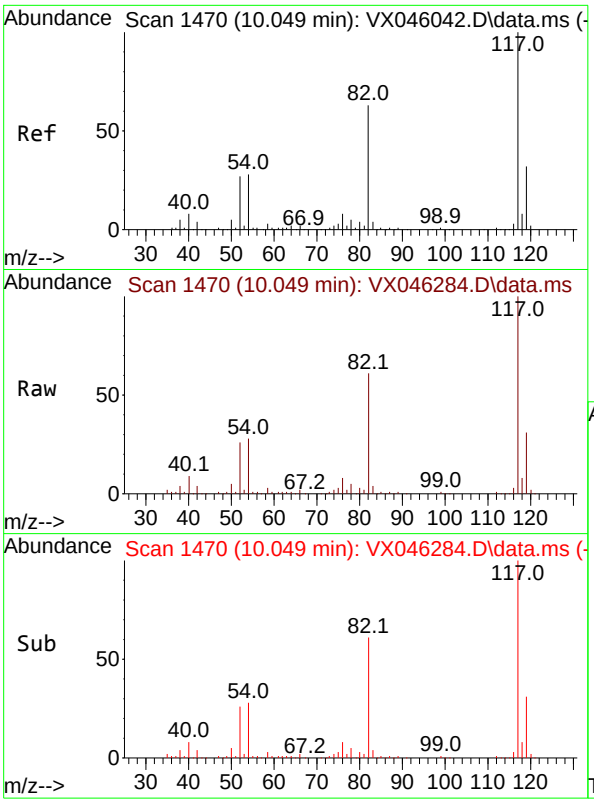


#62
4-Bromofluorobenzene
Concen: 50.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 95 Resp: 77871

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	135.8
176	65.0	0.0	131.4

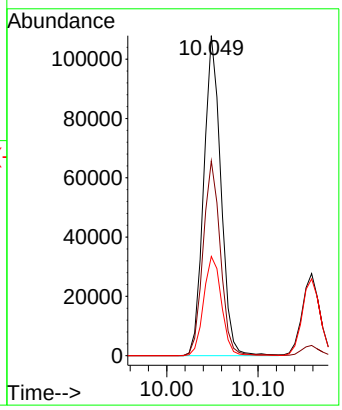




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 14044

Ion	Ratio	Lower	Upper
117	100		
82	60.9	50.6	76.0
119	31.0	25.8	38.6



Instrument :
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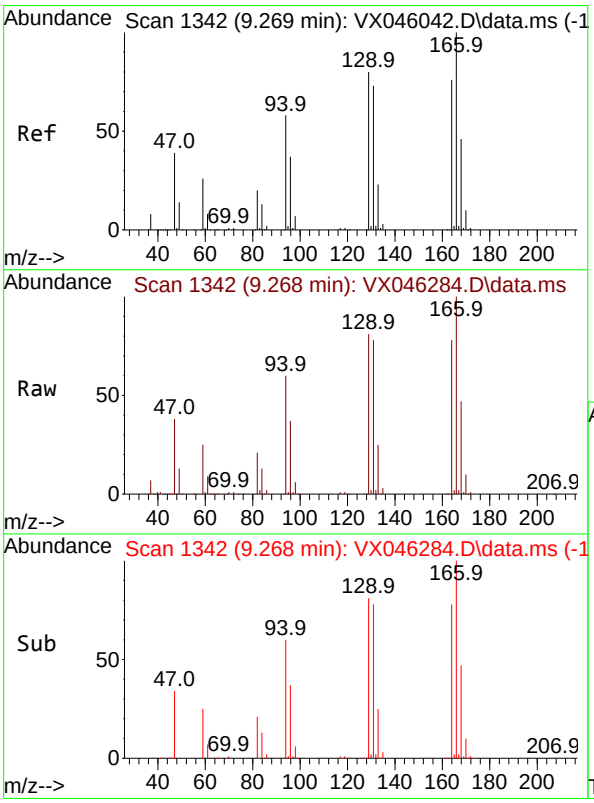
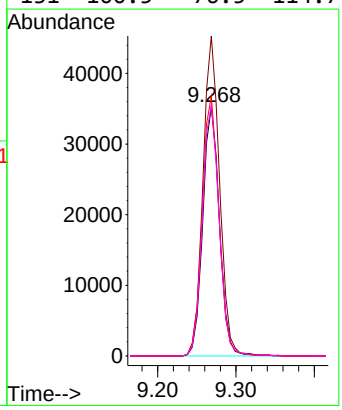
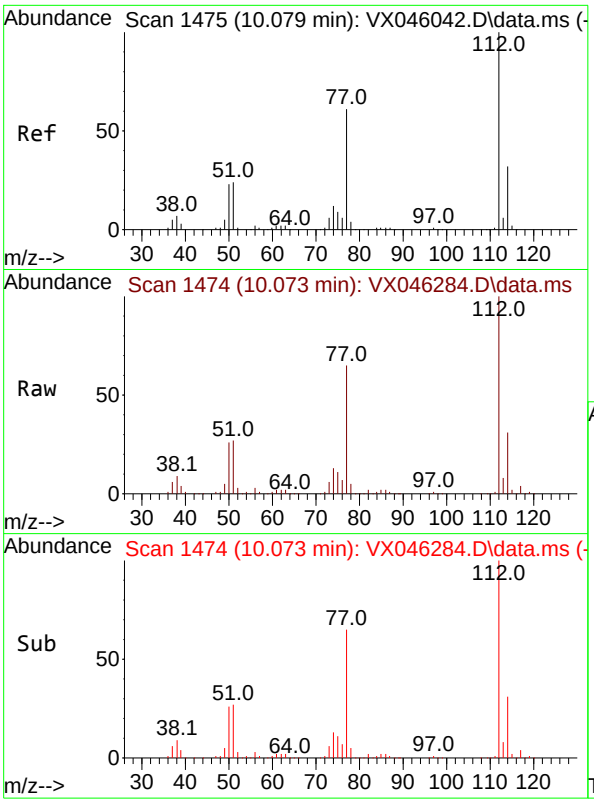


#64
Tetrachloroethene
Concen: 52.359 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:164 Resp: 52030

Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.0	157.6
129	104.1	83.5	125.3
131	100.5	76.5	114.7

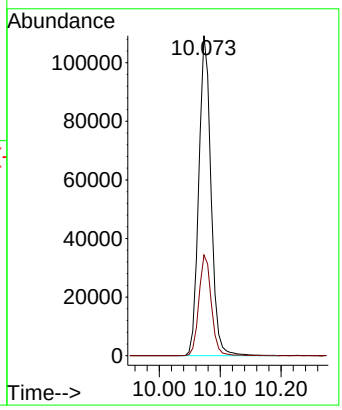




#65
Chlorobenzene
Concen: 49.440 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:112 Resp: 151979

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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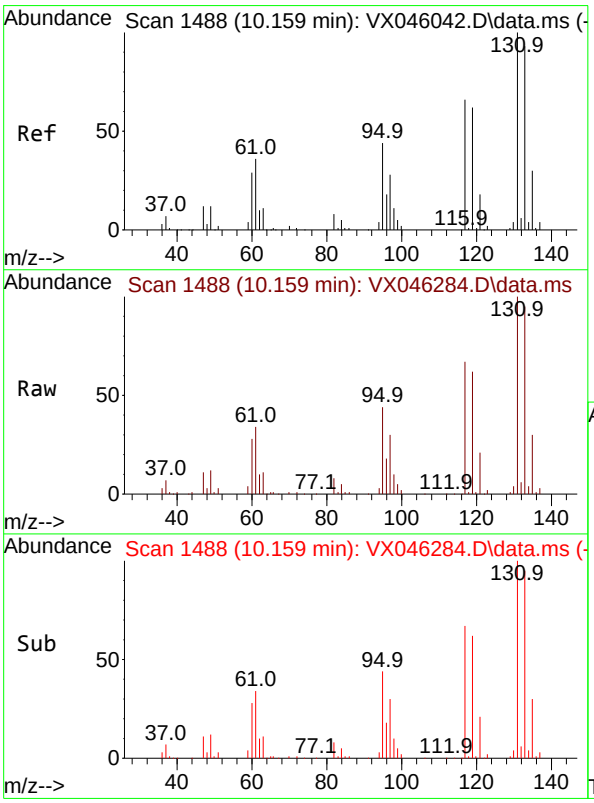
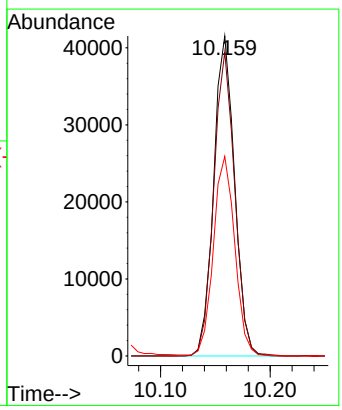
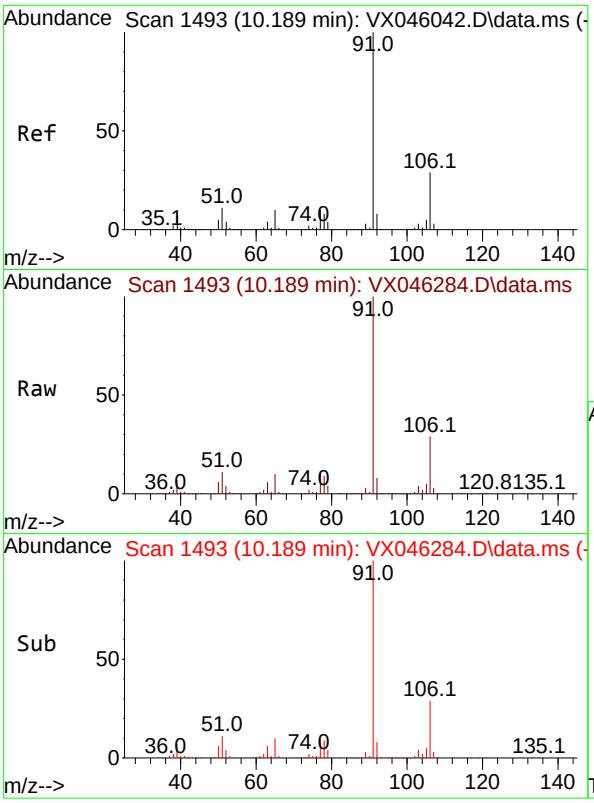


#66
1,1,1,2-Tetrachloroethane
Concen: 52.376 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:131 Resp: 54978

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	64.1	31.6	95.0





#67
Ethyl Benzene
Concen: 51.011 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 27640

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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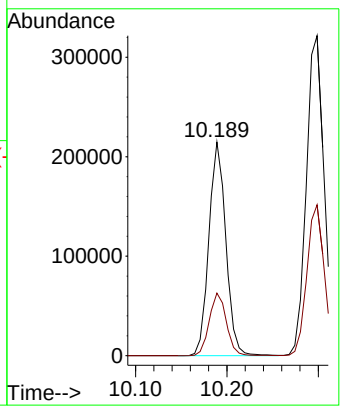
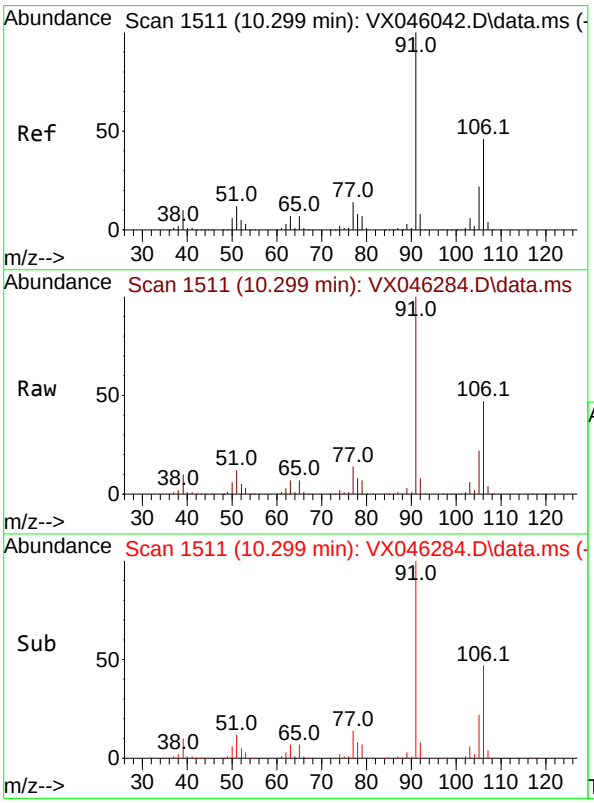
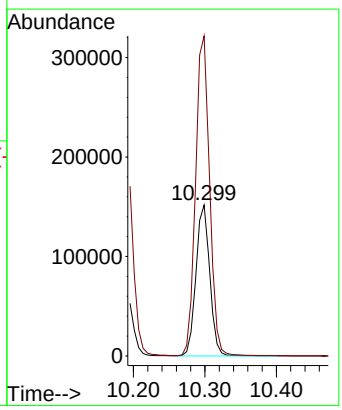


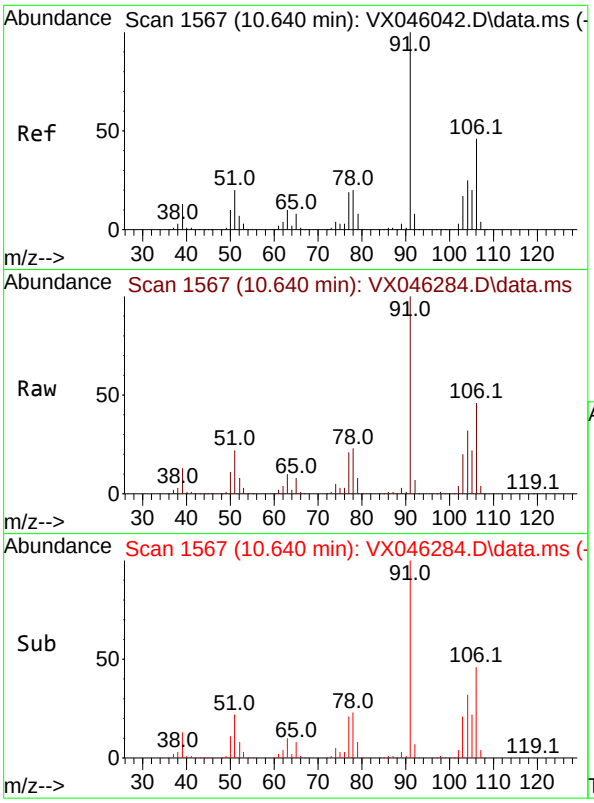


#68
m/p-Xylenes
Concen: 102.233 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:106 Resp: 202607

Ion	Ratio	Lower	Upper
106	100		
91	216.6	171.2	256.8

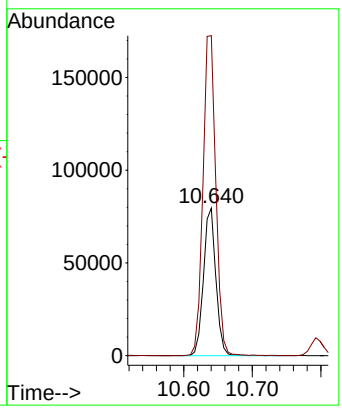




#69
o-Xylene
Concen: 51.746 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:106 Resp: 9997

Ion	Ratio	Lower	Upper
106	100		
91	226.4	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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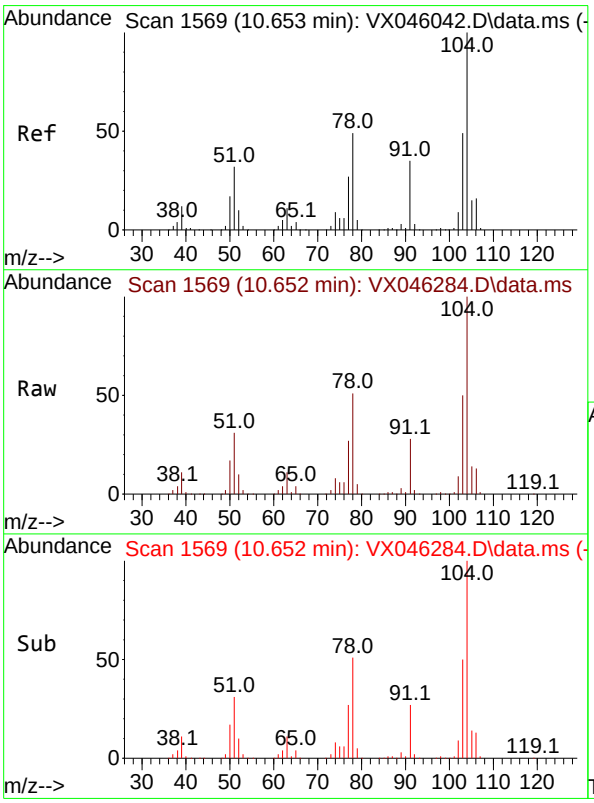
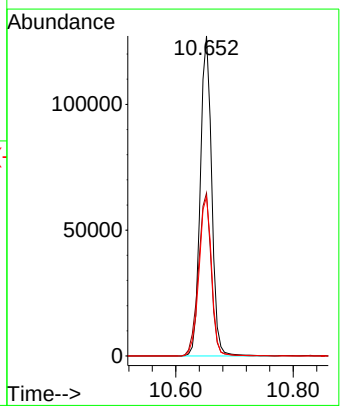
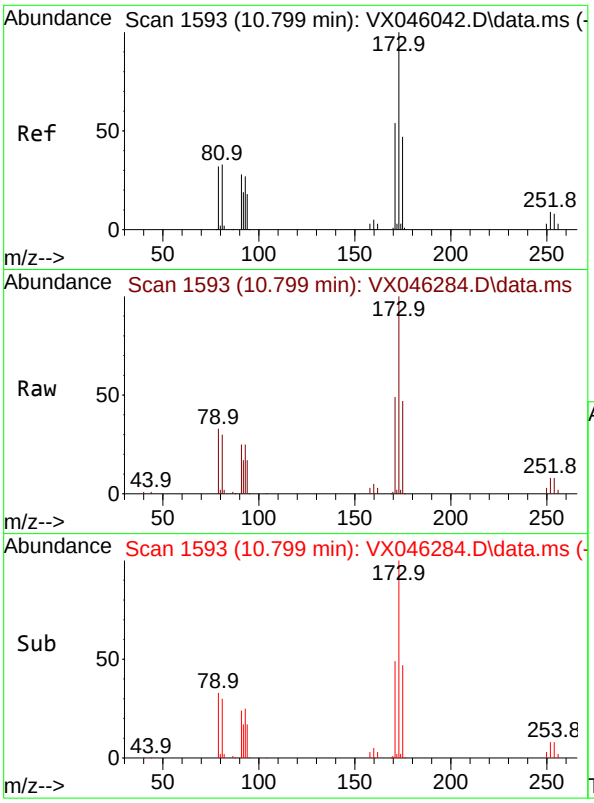


#70
Styrene
Concen: 53.925 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:104 Resp: 170672

Ion	Ratio	Lower	Upper
104	100		
78	56.9	45.7	68.5
103	55.0	43.7	65.5

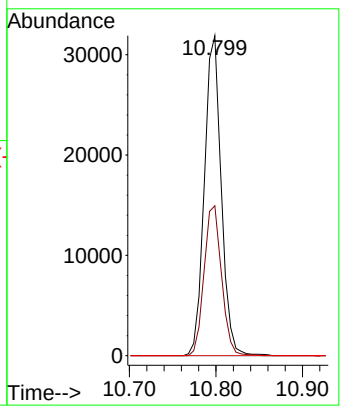




#71
Bromoform
Concen: 54.740 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:173 Resp: 4313

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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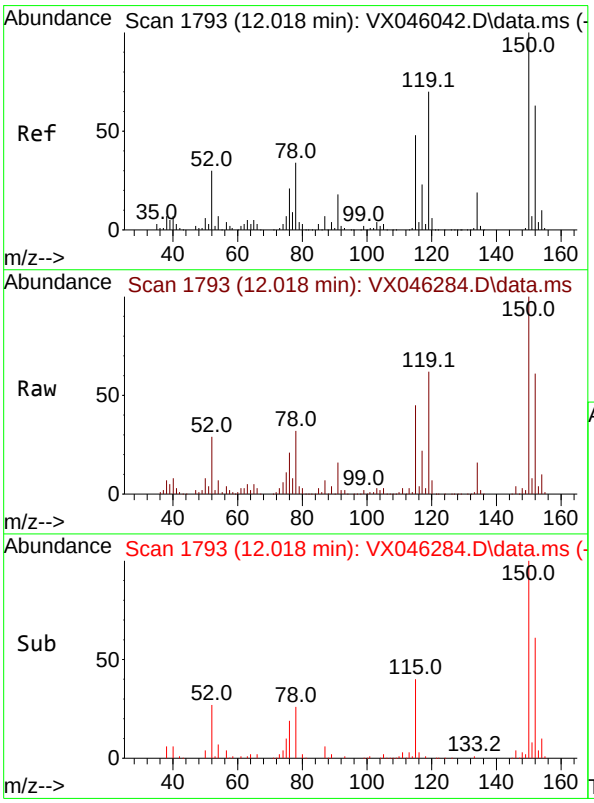
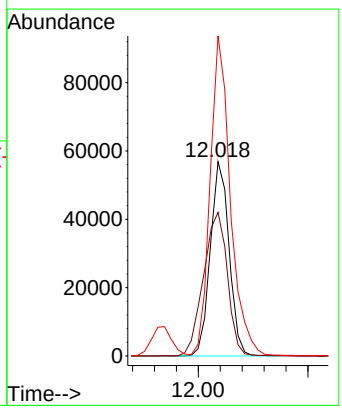
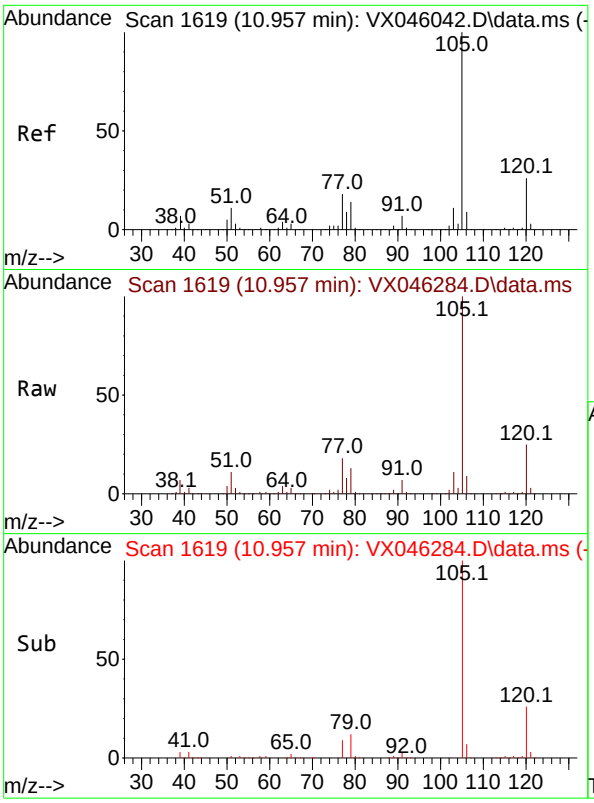


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:152 Resp: 67683

Ion	Ratio	Lower	Upper
152	100		
115	94.2	46.9	140.7
150	177.1	0.0	351.0





#73
Isopropylbenzene
Concen: 51.463 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 27117

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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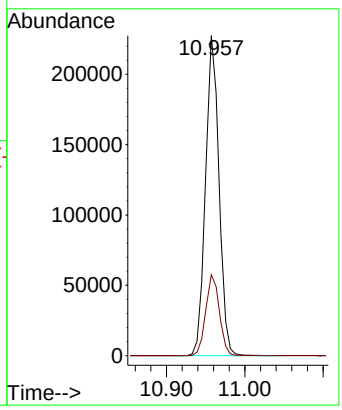
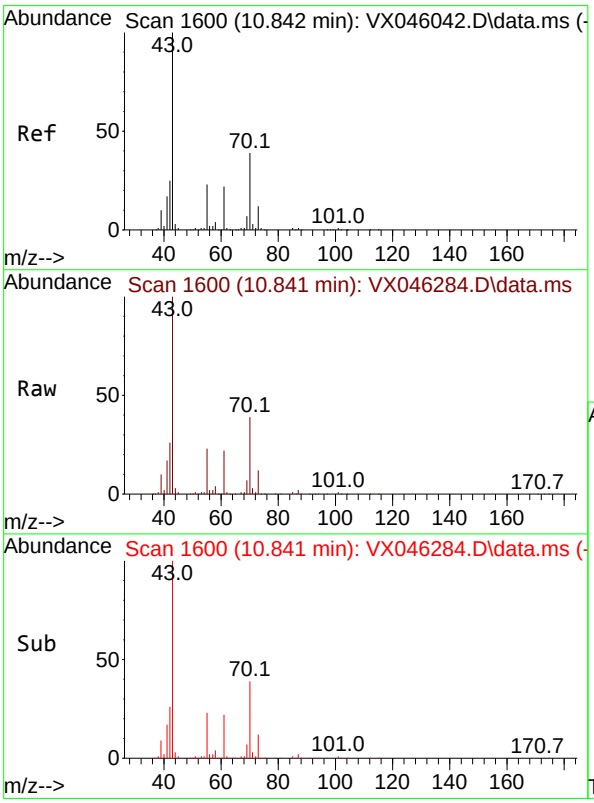
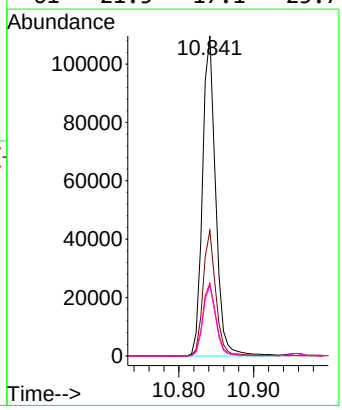


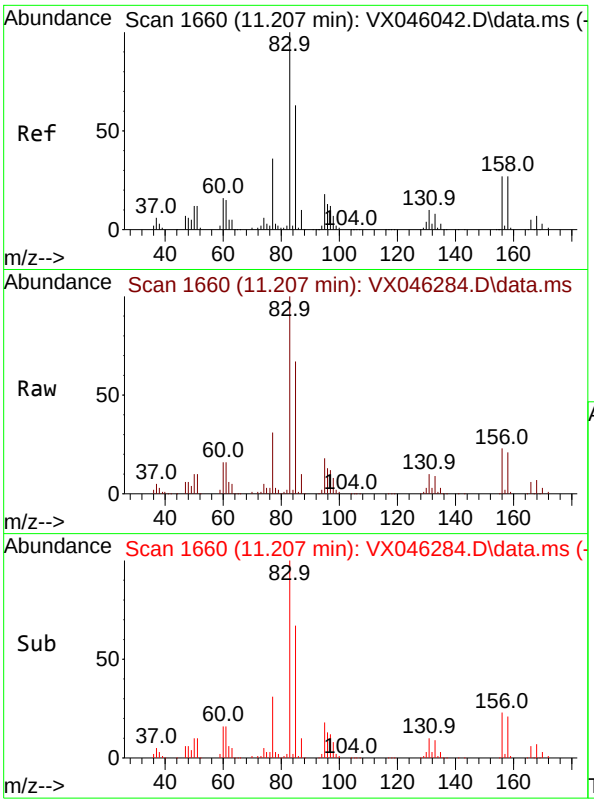


#74
N-amyl acetate
Concen: 51.743 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 134729

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.9	46.3
55	23.3	18.7	28.1
61	21.5	17.1	25.7

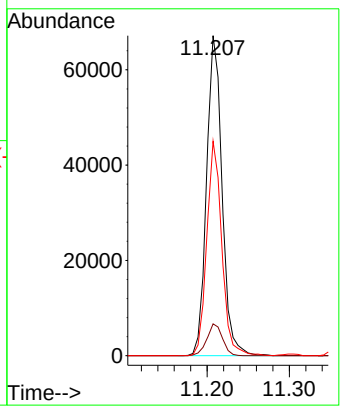




#75
1,1,2,2-Tetrachloroethane
Concen: 47.625 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 8794

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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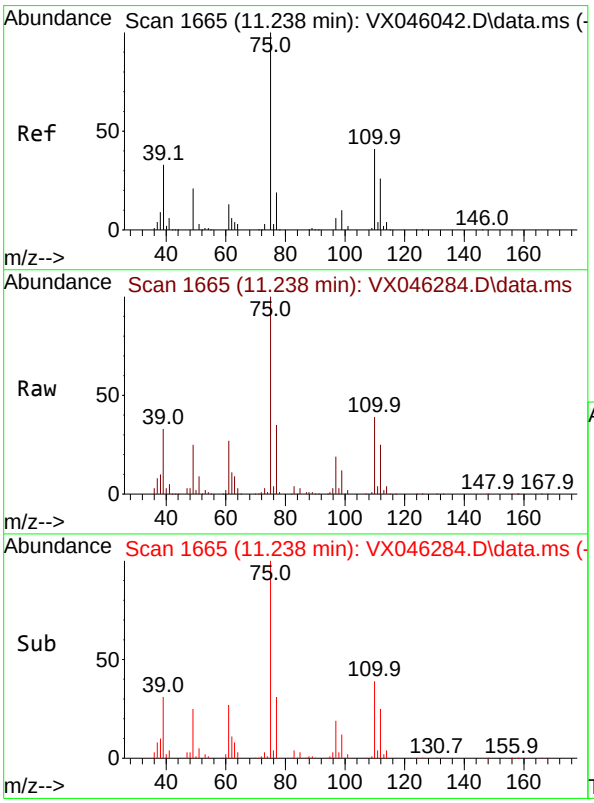
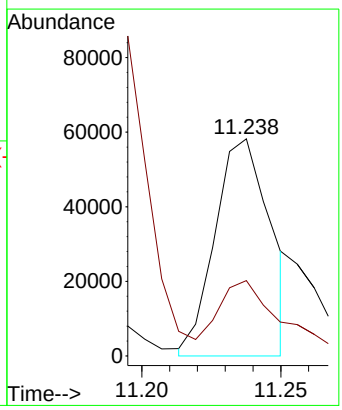
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

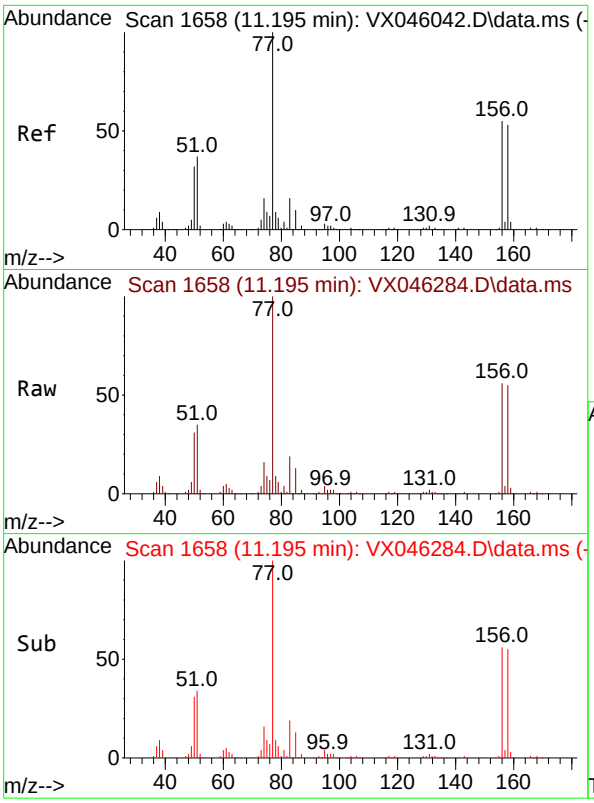


#76
1,2,3-Trichloropropane
Concen: 49.455 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 80571

Ion	Ratio	Lower	Upper
75	100		
77	40.4	20.5	61.5

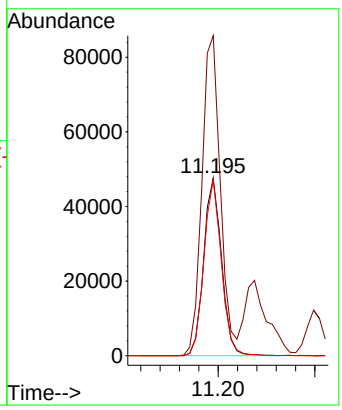




#77
Bromobenzene
Concen: 49.799 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:156 Resp: 6092

Ion	Ratio	Lower	Upper
156	100		
77	186.6	92.8	278.3
158	97.2	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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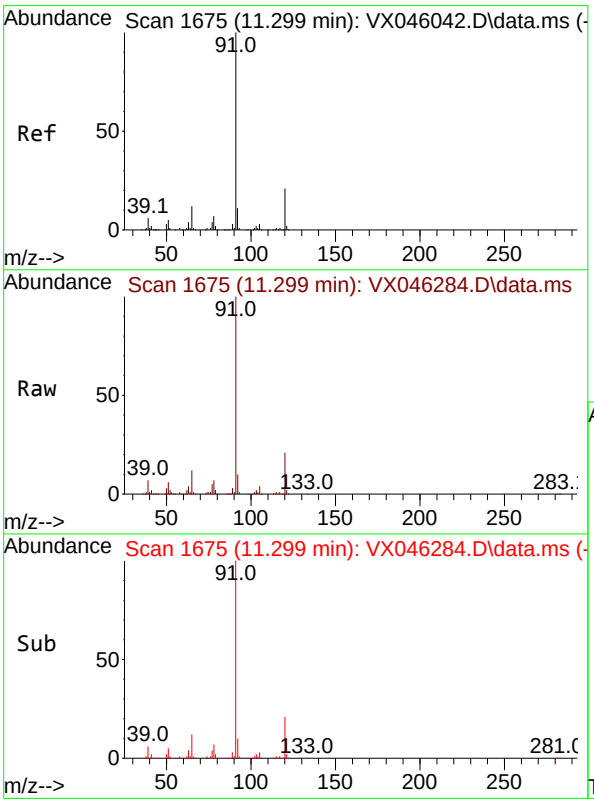
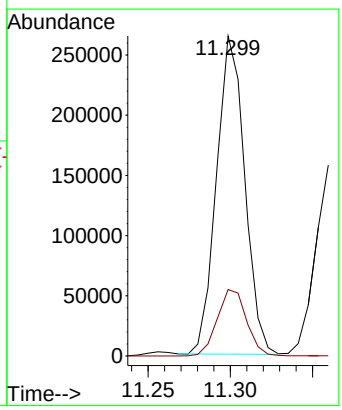
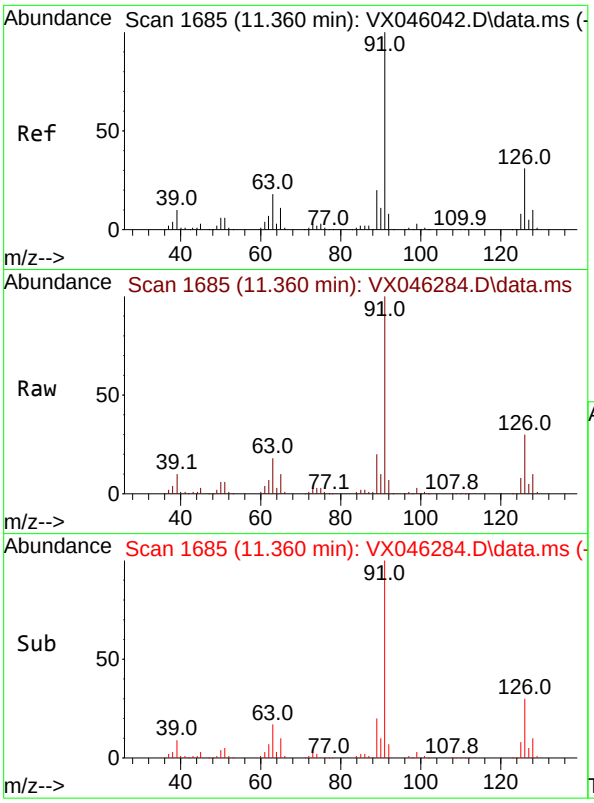


#78
n-propylbenzene
Concen: 51.595 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 316117

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 49.086 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 19398

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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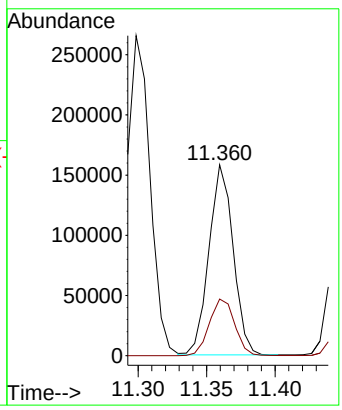
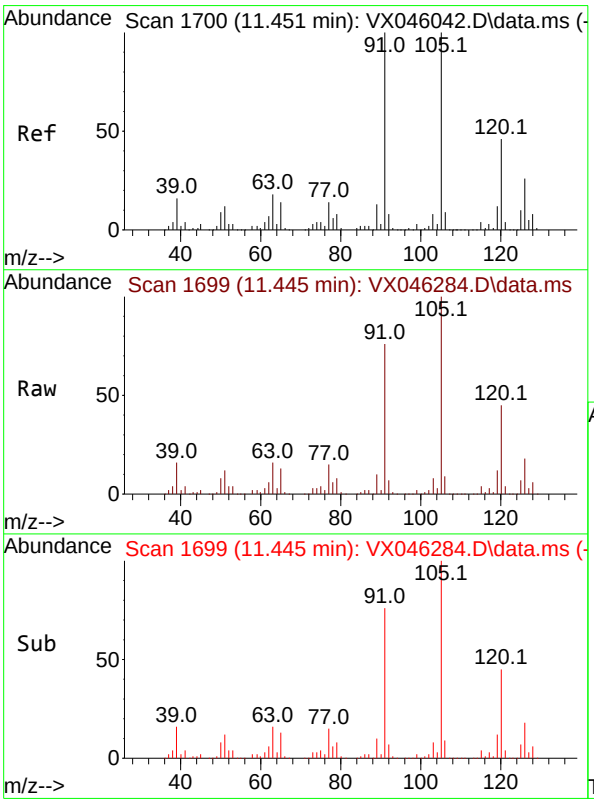
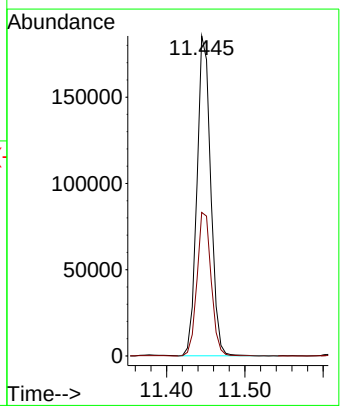


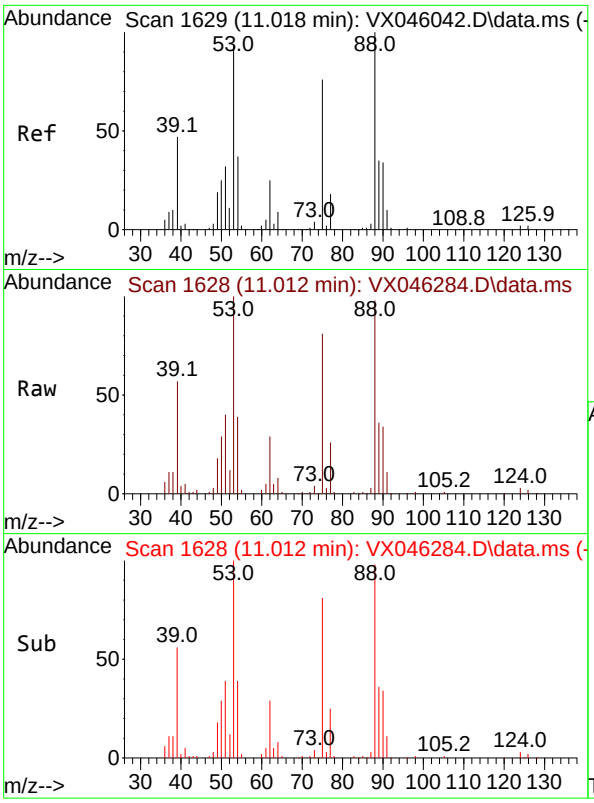


#80
1,3,5-Trimethylbenzene
Concen: 51.421 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 226364

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 53.175 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 2660

Ion	Ratio	Lower	Upper
75	100		
53	122.6	100.5	150.7
89	46.7	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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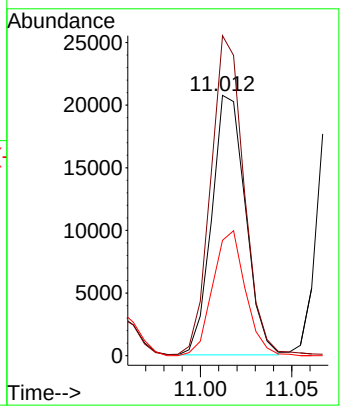
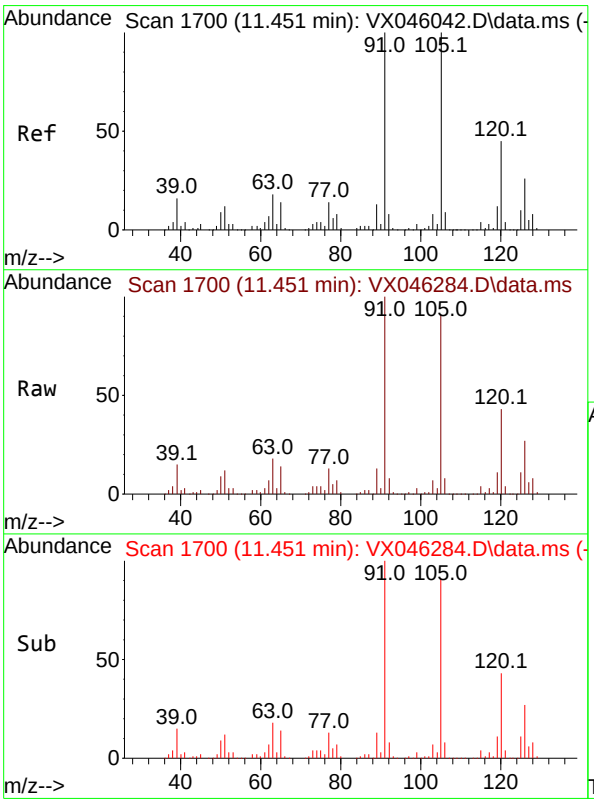
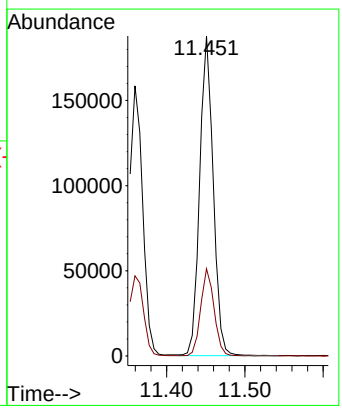


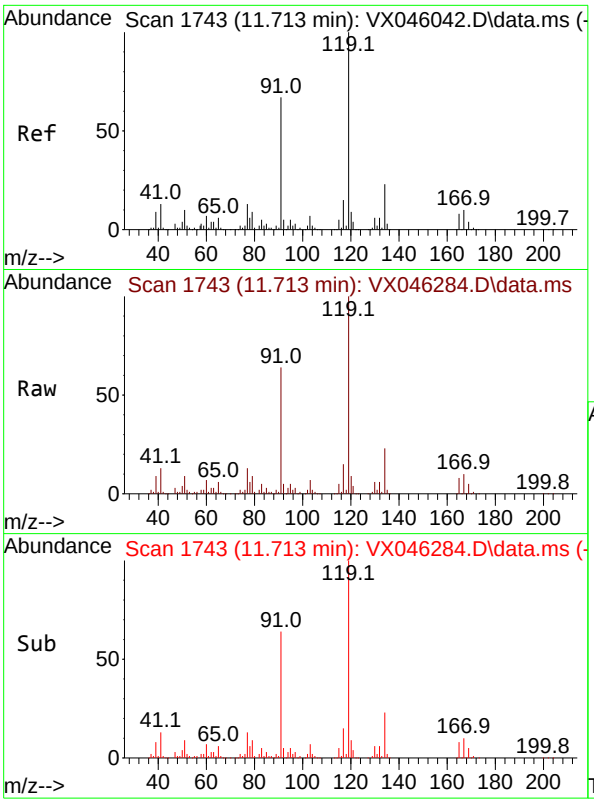


#82
4-Chlorotoluene
Concen: 51.369 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 225123

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8





#83
tert-Butylbenzene
Concen: 50.408 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:119 Resp: 22352

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.9	98.7
134	22.7	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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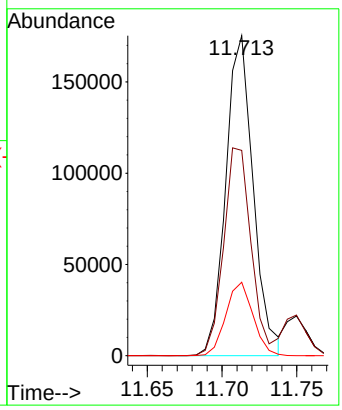
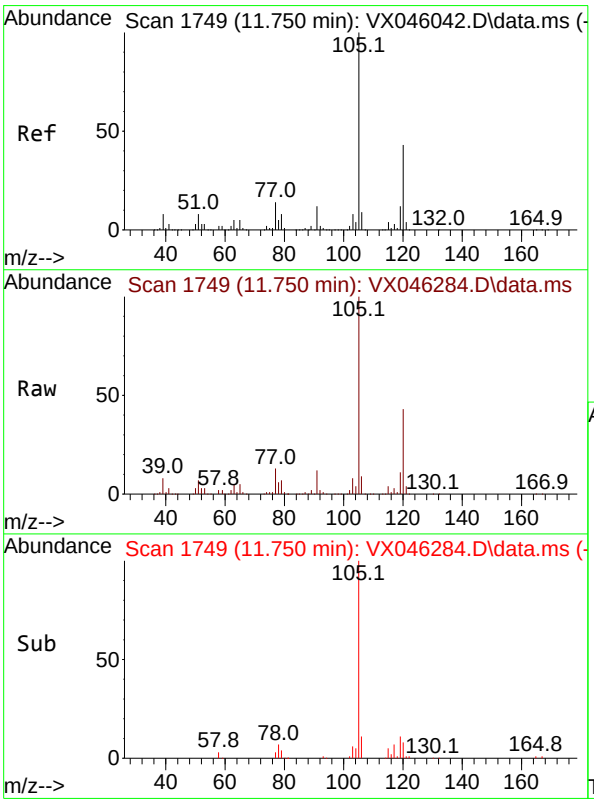
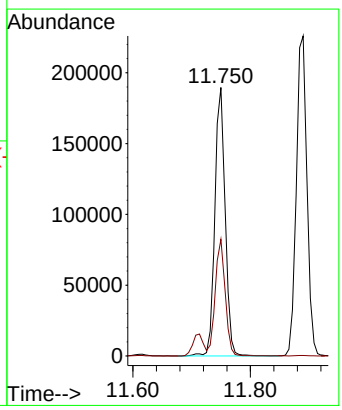


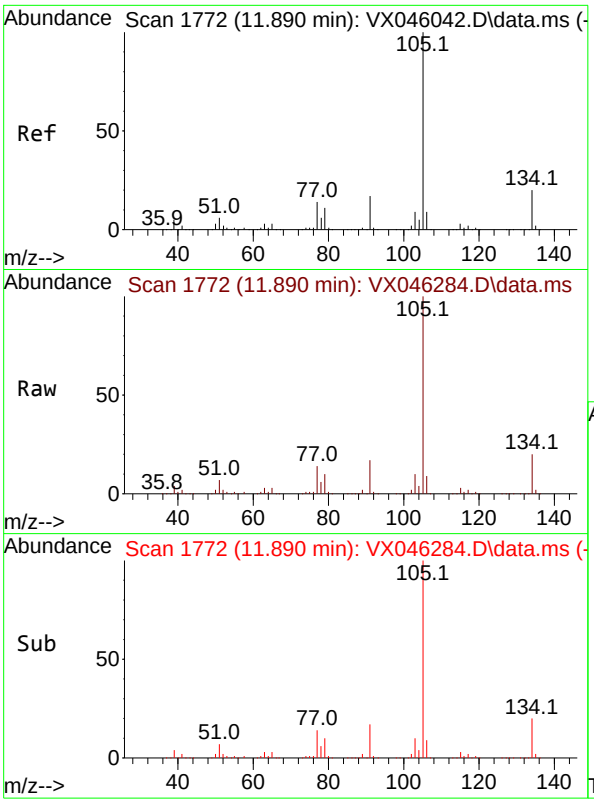


#84
1,2,4-Trimethylbenzene
Concen: 51.885 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 231302

Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.2	63.6





#85
sec-Butylbenzene
Concen: 52.129 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 28381

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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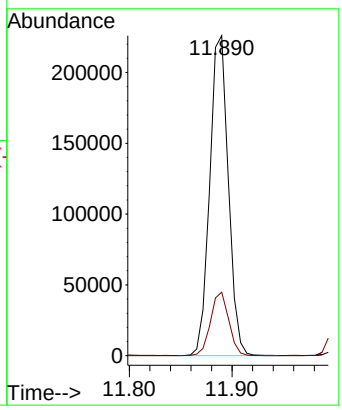
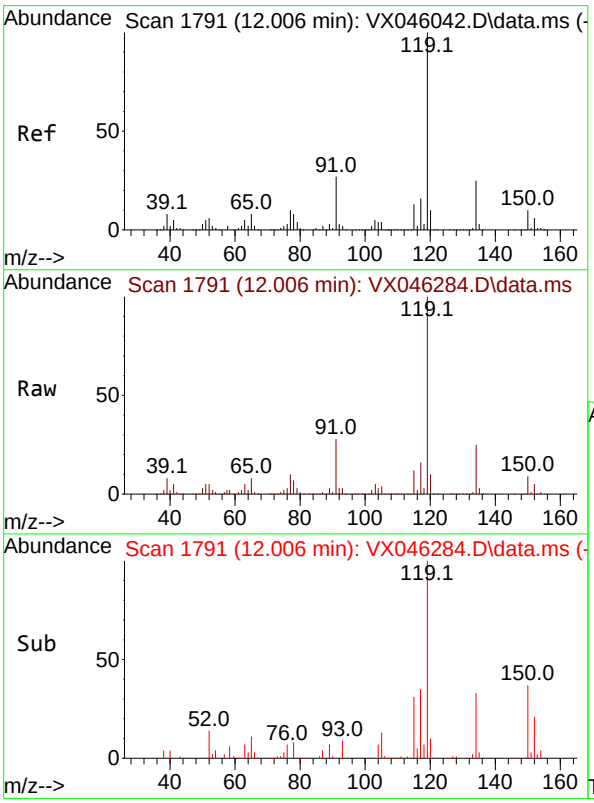
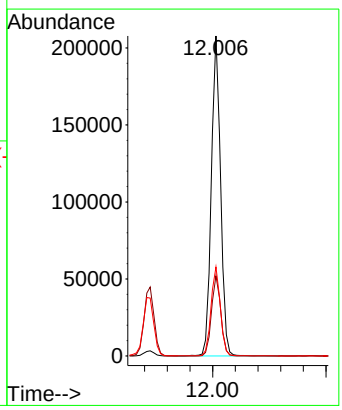


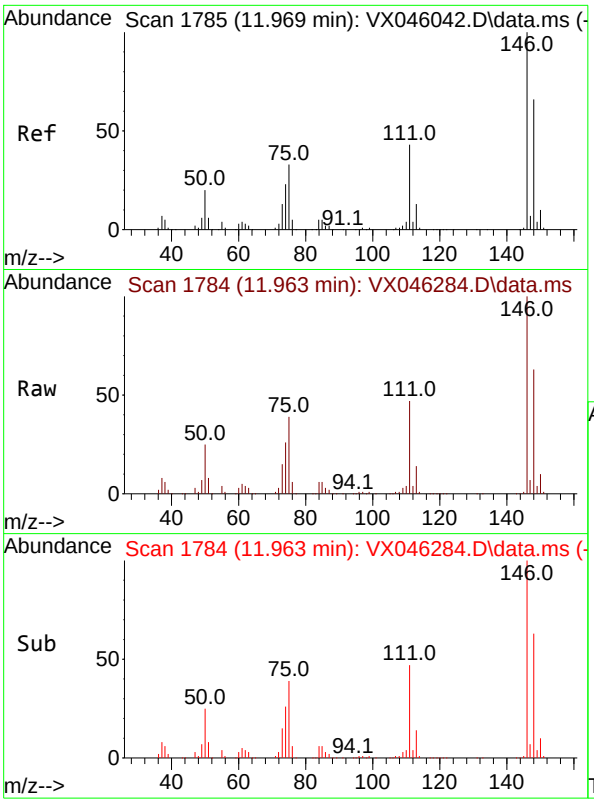


#86
p-Isopropyltoluene
Concen: 52.222 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:119 Resp: 234688

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	27.8	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 50.537 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:146 Resp: 11283

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.1	66.3
148	63.8	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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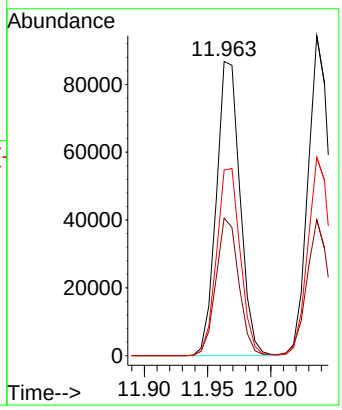
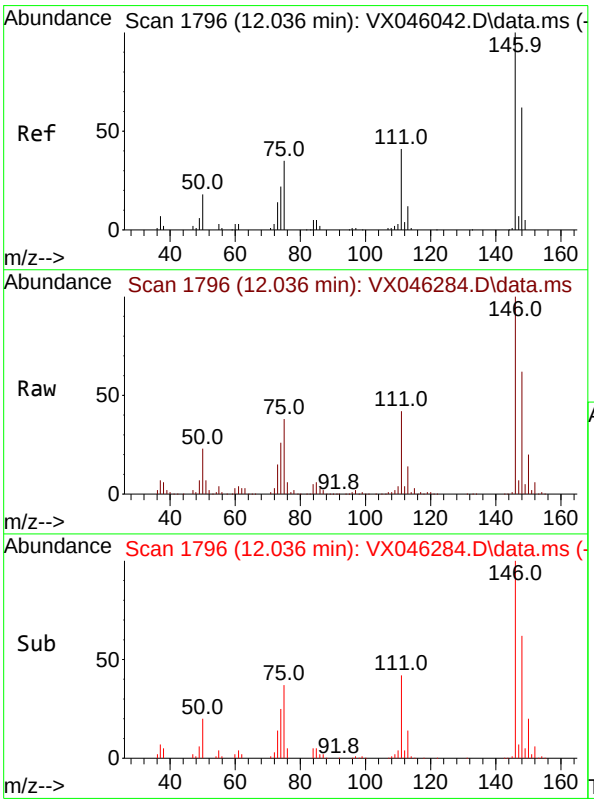
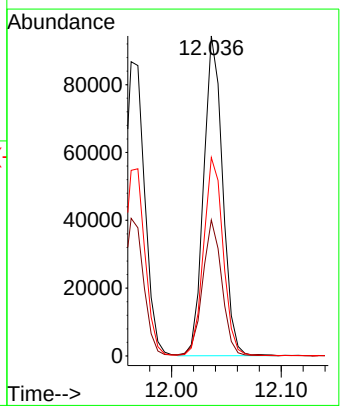


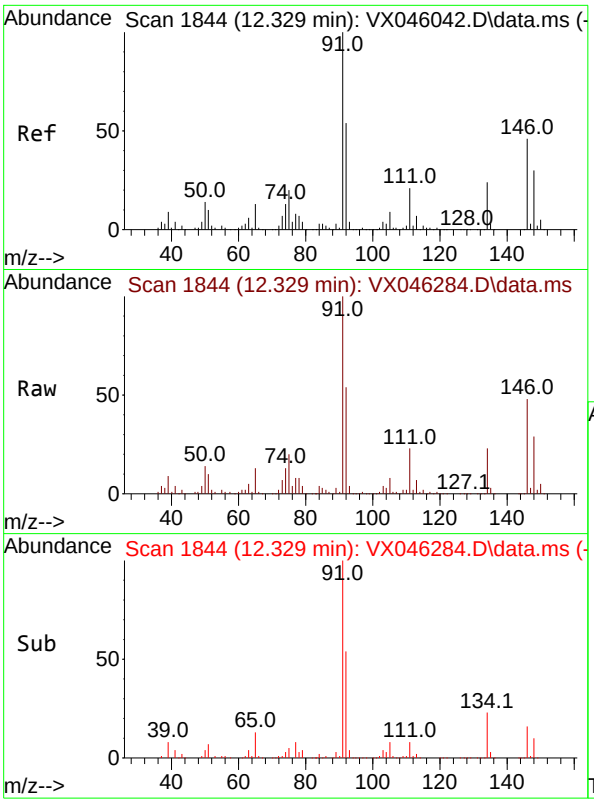


#88
1,4-Dichlorobenzene
Concen: 49.713 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:146 Resp: 113352

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	63.8	31.9	95.5





#89
n-Butylbenzene
Concen: 53.818 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 21215

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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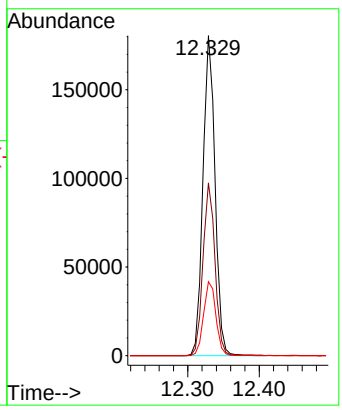
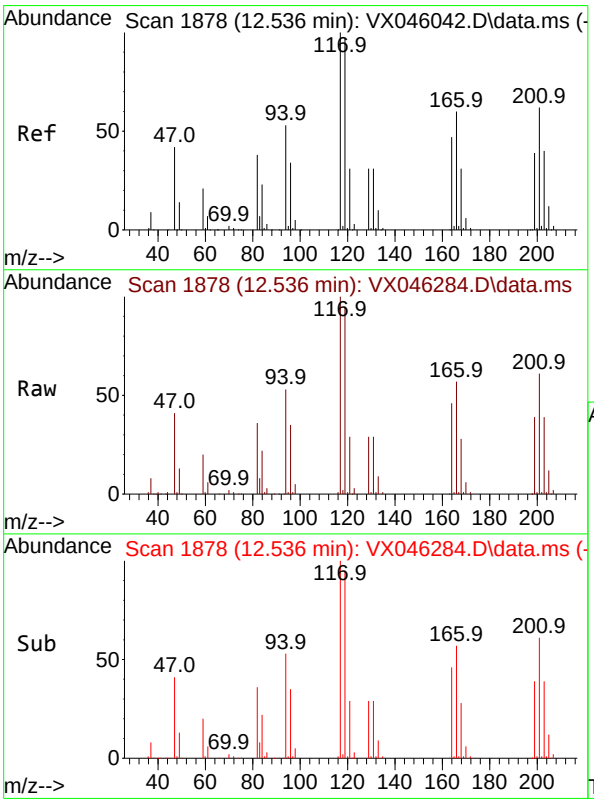
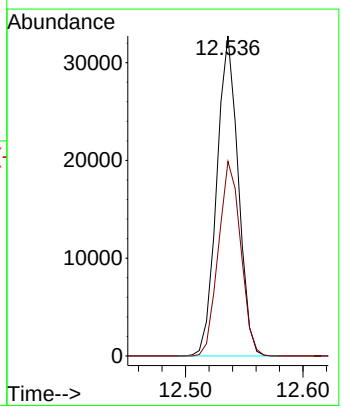


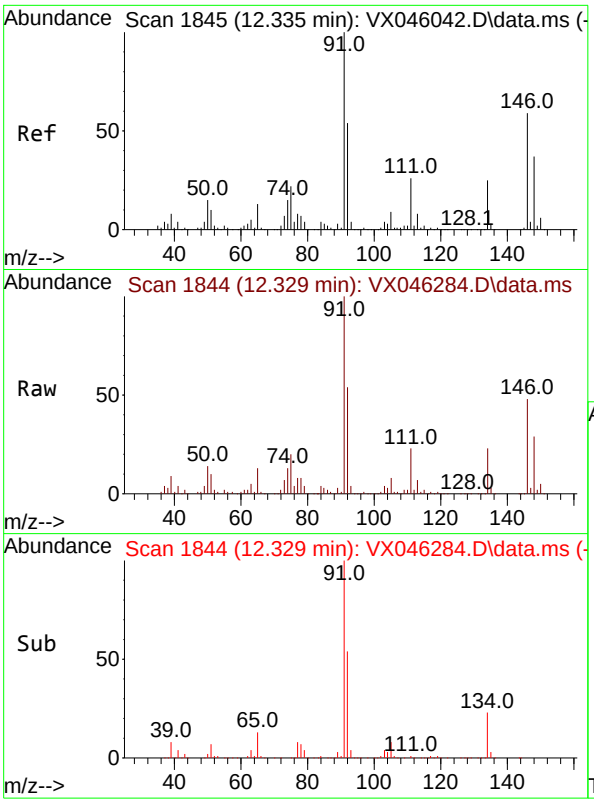


#90
Hexachloroethane
Concen: 52.527 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 41588

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.6	94.7

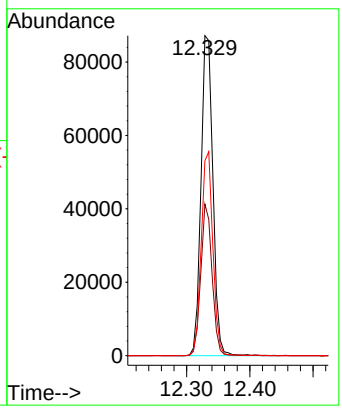




#91
1,2-Dichlorobenzene
Concen: 51.087 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:146 Resp: 11445

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	62.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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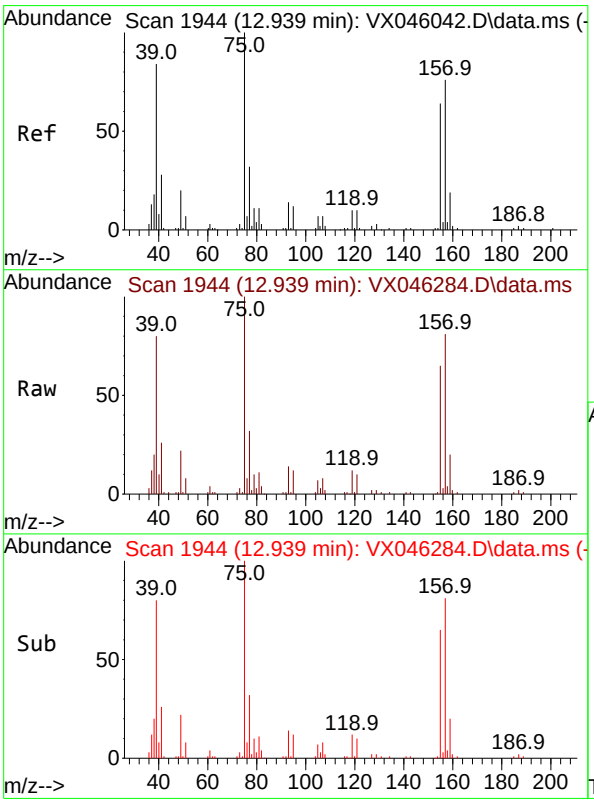
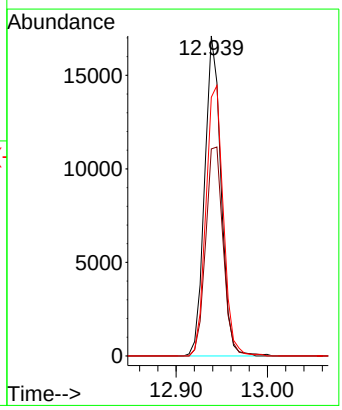
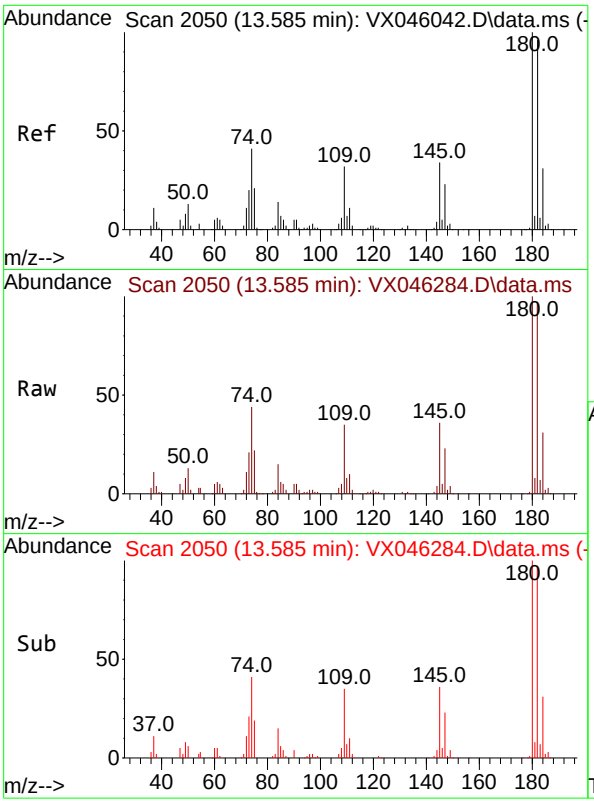


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.001 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 21272

Ion	Ratio	Lower	Upper
75	100		
155	69.5	34.9	104.8
157	89.3	43.8	131.4





#93
1,2,4-Trichlorobenzene
Concen: 51.375 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

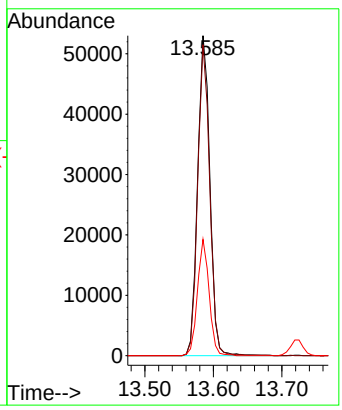
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

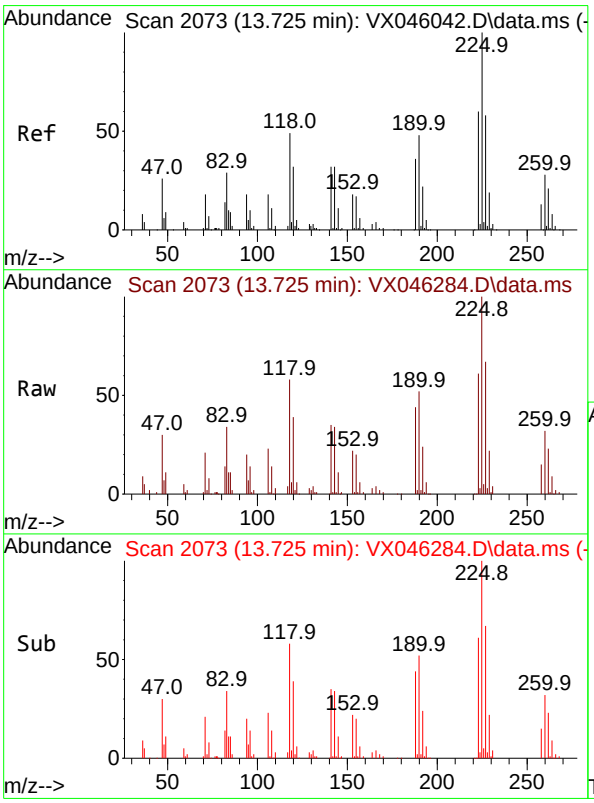
Tgt Ion:180 Resp: 6611

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	34.6	17.1	51.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

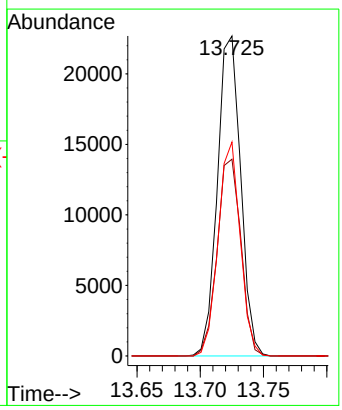


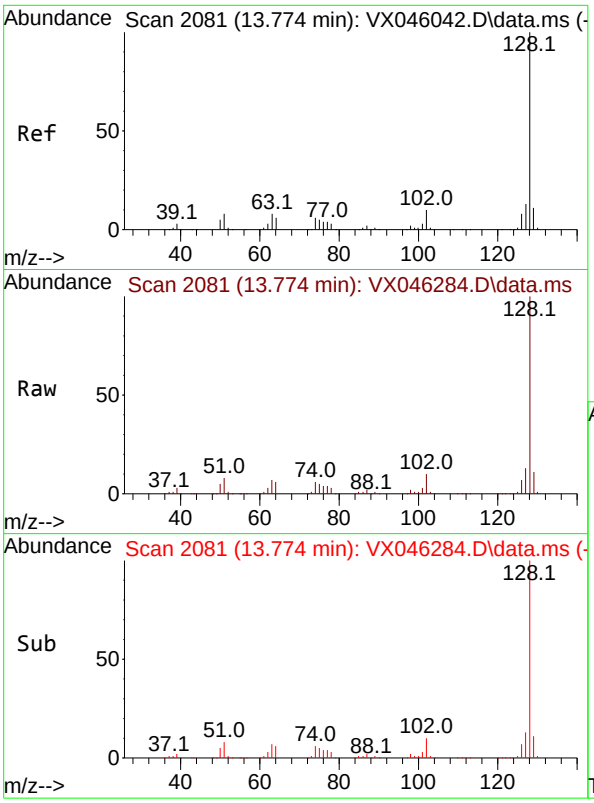


#94
Hexachlorobutadiene
Concen: 51.510 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:225 Resp: 28949

Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.4
227	63.5	30.9	92.7

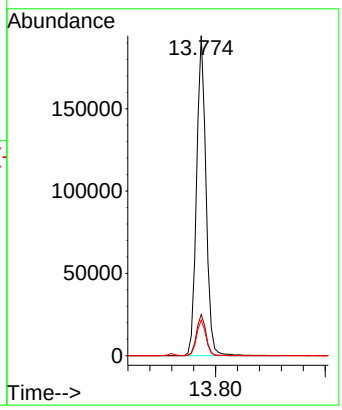




#95
Naphthalene
Concen: 49.502 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:128 Resp: 23363

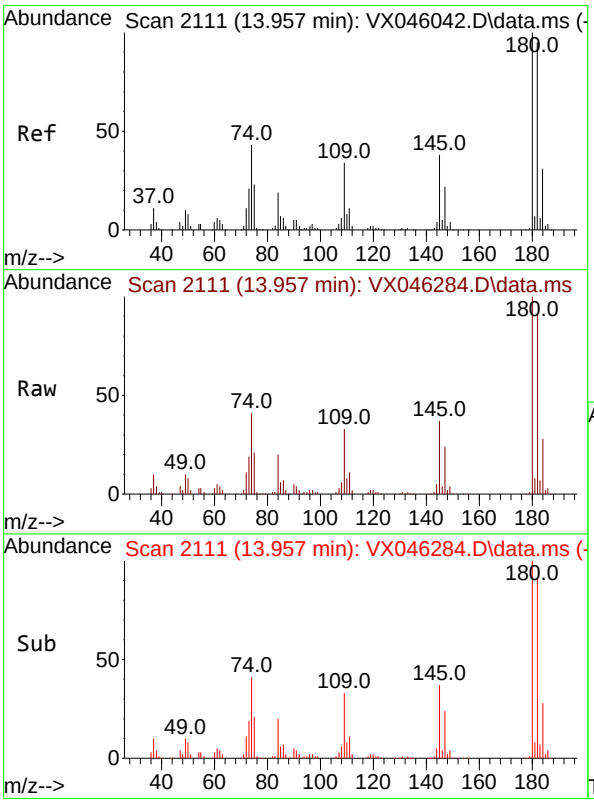
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

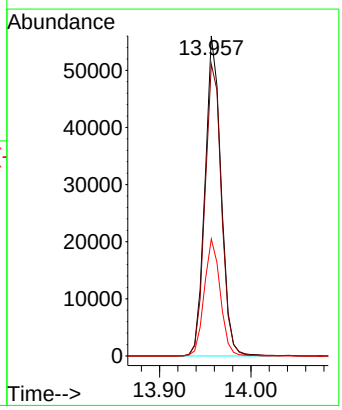
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.272 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:180 Resp: 68077

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	36.4	18.1	54.3



Sample Results: **VX046284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	98	0.00
2	T	Dichlorodifluoromethane	0.765	0.775	-1.3	88	0.00
3	P	Chloromethane	0.742	0.718	3.2	91	0.00
4	C	Vinyl Chloride	0.691	0.658	4.8#	91	0.00
5	T	Bromomethane	0.320	0.295	7.8	89	0.00
6	T	Chloroethane	0.369	0.376	-1.9	97	0.00
7	T	Trichlorofluoromethane	1.021	1.037	-1.6	95	0.00
8	T	Diethyl Ether	0.347	0.339	2.3	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.636	-0.6	97	0.00
10	T	Methyl Iodide	0.747	0.700	6.3	85	0.00
11	T	Tert butyl alcohol	0.131	0.127	3.1	97	0.00
12	CM	1,1-Dichloroethene	0.593	0.565	4.7#	92	0.00
13	T	Acrolein	0.149	0.191	-28.2#	123	0.00
14	T	Allyl chloride	1.133	1.169	-3.2	97	0.00
15	T	Acrylonitrile	0.374	0.382	-2.1	96	0.00
16	T	Acetone	0.374	0.385	-2.9	104	0.00
17	T	Carbon Disulfide	1.406	1.268	9.8	85	0.00
18	T	Methyl Acetate	0.867	1.025	-18.2	118	0.00
19	T	Methyl tert-butyl Ether	2.079	2.141	-3.0	97	0.00
20	T	Methylene Chloride	0.716	0.669	6.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.569	4.5	91	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	97	0.00
23	T	Vinyl Acetate	1.925	1.957	-1.7	94	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	96	0.00
25	T	2-Butanone	0.543	0.551	-1.5	97	0.00
26	T	2,2-Dichloropropane	0.954	1.003	-5.1	103	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.707	1.5	94	0.00
28	T	Bromochloromethane	0.587	0.554	5.6	94	-0.01
29	T	Tetrahydrofuran	0.340	0.341	-0.3	95	0.00
30	C	Chloroform	1.271	1.290	-1.5#	97	0.00
31	T	Cyclohexane	1.111	1.034	6.9	90	0.00
32	T	1,1,1-Trichloroethane	1.101	1.116	-1.4	97	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.913	2.0	98	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.360	0.371	-3.1	101	0.00
36	T	1,1-Dichloropropene	0.484	0.472	2.5	92	0.00
37	T	Ethyl Acetate	0.598	0.600	-0.3	95	-0.01
38	T	Carbon Tetrachloride	0.544	0.553	-1.7	96	0.00
39	T	Methylcyclohexane	0.623	0.594	4.7	89	0.00
40	TM	Benzene	1.417	1.412	0.4	92	0.00
41	T	Methacrylonitrile	0.313	0.347	-10.9	97	0.00
42	TM	1,2-Dichloroethane	0.612	0.615	-0.5	94	0.00
43	T	Isopropyl Acetate	0.912	0.966	-5.9	97	0.00
44	TM	Trichloroethene	0.341	0.344	-0.9	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	95	0.00
46	T	Dibromomethane	0.278	0.281	-1.1	94	0.00
47	T	Bromodichloromethane	0.547	0.585	-6.9	98	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

Sample Results: **VX046284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	0.009	0.009	0.0	92	0.00
50	S	Toluene-d8	1.246	1.223	1.8	96	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.637	-5.3	97	0.00
52	CM	Toluene	0.869	0.857	1.4#	92	0.00
53	T	t-1,3-Dichloropropene	0.487	0.530	-8.8	97	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.582	-8.2	97	0.00
55	T	1,1,2-Trichloroethane	0.343	0.354	-3.2	96	0.00
56	T	Ethyl methacrylate	0.546	0.586	-7.3	95	0.00
57	T	1,3-Dichloropropane	0.615	0.612	0.5	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.305	-9.7	96	0.00
59	T	2-Hexanone	0.448	0.473	-5.6	96	0.00
60	T	Dibromochloromethane	0.376	0.414	-10.1	100	0.00
61	T	1,2-Dibromoethane	0.356	0.359	-0.8	93	0.00
62	S	4-Bromofluorobenzene	0.478	0.481	-0.6	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.354	0.370	-4.5	95	0.00
65	PM	Chlorobenzene	1.094	1.082	1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.391	-4.5	96	0.00
67	C	Ethyl Benzene	1.929	1.968	-2.0#	93	0.00
68	T	m/p-Xylenes	0.706	0.721	-2.1	94	0.00
69	T	o-Xylene	0.688	0.712	-3.5	94	0.00
70	T	Styrene	1.127	1.215	-7.8	96	0.00
71	P	Bromoform	0.281	0.307	-9.3	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	4.007	-2.9	97	0.00
74	T	N-amyl acetate	1.924	1.991	-3.5	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.299	4.8	97	0.00
76	T	1,2,3-Trichloropropane	1.204	1.190	1.2	100	0.00
77	T	Bromobenzene	0.904	0.900	0.4	97	0.00
78	T	n-propylbenzene	4.526	4.671	-3.2	96	0.00
79	T	2-Chlorotoluene	2.919	2.866	1.8	95	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.344	-2.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.393	-6.2	102	0.00
82	T	4-Chlorotoluene	3.238	3.326	-2.7	97	0.00
83	T	tert-Butylbenzene	3.276	3.302	-0.8	96	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.417	-3.8	97	0.00
85	T	sec-Butylbenzene	4.022	4.193	-4.3	98	0.00
86	T	p-Isopropyltoluene	3.320	3.467	-4.4	97	0.00
87	T	1,3-Dichlorobenzene	1.649	1.667	-1.1	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.675	0.5	98	0.00
89	T	n-Butylbenzene	2.912	3.134	-7.6	99	0.00
90	T	Hexachloroethane	0.585	0.614	-5.0	98	0.00
91	T	1,2-Dichlorobenzene	1.655	1.691	-2.2	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.314	-4.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.977	-2.7	99	0.00
94	T	Hexachlorobutadiene	0.415	0.428	-3.1	100	0.00
95	T	Naphthalene	3.487	3.452	1.0	95	0.00

Sample Results: **VX046284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	0.981	1.006	-2.5	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX046284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	98	0.00
2	T	Dichlorodifluoromethane	50.000	50.666	-1.3	88	0.00
3	P	Chloromethane	50.000	48.364	3.3	91	0.00
4	C	Vinyl Chloride	50.000	47.612	4.8#	91	0.00
5	T	Bromomethane	50.000	46.032	7.9	89	0.00
6	T	Chloroethane	50.000	50.964	-1.9	97	0.00
7	T	Trichlorofluoromethane	50.000	50.803	-1.6	95	0.00
8	T	Diethyl Ether	50.000	48.764	2.5	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.314	-0.6	97	0.00
10	T	Methyl Iodide	50.000	46.821	6.4	85	0.00
11	T	Tert butyl alcohol	250.000	242.803	2.9	97	0.00
12	CM	1,1-Dichloroethene	50.000	47.678	4.6#	92	0.00
13	T	Acrolein	250.000	321.031	-28.4#	123	0.00
14	T	Allyl chloride	50.000	51.600	-3.2	97	0.00
15	T	Acrylonitrile	250.000	255.100	-2.0	96	0.00
16	T	Acetone	250.000	257.477	-3.0	104	0.00
17	T	Carbon Disulfide	50.000	45.096	9.8	85	0.00
18	T	Methyl Acetate	50.000	59.105	-18.2	118	0.00
19	T	Methyl tert-butyl Ether	50.000	51.499	-3.0	97	0.00
20	T	Methylene Chloride	50.000	46.691	6.6	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.714	4.6	91	0.00
22	T	Diisopropyl ether	50.000	51.803	-3.6	97	0.00
23	T	Vinyl Acetate	250.000	254.084	-1.6	94	0.00
24	P	1,1-Dichloroethane	50.000	50.800	-1.6	96	0.00
25	T	2-Butanone	250.000	254.074	-1.6	97	0.00
26	T	2,2-Dichloropropane	50.000	52.543	-5.1	103	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.246	1.5	94	0.00
28	T	Bromochloromethane	50.000	47.215	5.6	94	-0.01
29	T	Tetrahydrofuran	250.000	250.853	-0.3	95	0.00
30	C	Chloroform	50.000	50.762	-1.5#	97	0.00
31	T	Cyclohexane	50.000	46.552	6.9	90	0.00
32	T	1,1,1-Trichloroethane	50.000	50.660	-1.3	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.949	2.1	98	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	51.518	-3.0	101	0.00
36	T	1,1-Dichloropropene	50.000	48.791	2.4	92	0.00
37	T	Ethyl Acetate	50.000	50.197	-0.4	95	-0.01
38	T	Carbon Tetrachloride	50.000	50.907	-1.8	96	0.00
39	T	Methylcyclohexane	50.000	47.691	4.6	89	0.00
40	TM	Benzene	50.000	49.833	0.3	92	0.00
41	T	Methacrylonitrile	50.000	55.480	-11.0	97	0.00
42	TM	1,2-Dichloroethane	50.000	50.298	-0.6	94	0.00
43	T	Isopropyl Acetate	50.000	52.987	-6.0	97	0.00
44	TM	Trichloroethene	50.000	50.452	-0.9	93	0.00
45	C	1,2-Dichloropropane	50.000	51.990	-4.0#	95	0.00
46	T	Dibromomethane	50.000	50.531	-1.1	94	0.00
47	T	Bromodichloromethane	50.000	53.478	-7.0	98	0.00
48	T	Methyl methacrylate	50.000	54.212	-8.4	97	0.00

Sample Results: **VX046284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	977.870	2.2	92	0.00
50	S	Toluene-d8	50.000	49.081	1.8	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.926	-5.2	97	0.00
52	CM	Toluene	50.000	49.311	1.4#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	54.425	-8.8	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.136	-8.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	51.730	-3.5	96	0.00
56	T	Ethyl methacrylate	50.000	53.634	-7.3	95	0.00
57	T	1,3-Dichloropropane	50.000	49.714	0.6	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.669	-9.5	96	0.00
59	T	2-Hexanone	250.000	263.910	-5.6	96	0.00
60	T	Dibromochloromethane	50.000	54.971	-9.9	100	0.00
61	T	1,2-Dibromoethane	50.000	50.413	-0.8	93	0.00
62	S	4-Bromofluorobenzene	50.000	50.363	-0.7	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	52.359	-4.7	95	0.00
65	PM	Chlorobenzene	50.000	49.440	1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.376	-4.8	96	0.00
67	C	Ethyl Benzene	50.000	51.011	-2.0#	93	0.00
68	T	m/p-Xylenes	100.000	102.233	-2.2	94	0.00
69	T	o-Xylene	50.000	51.746	-3.5	94	0.00
70	T	Styrene	50.000	53.925	-7.8	96	0.00
71	P	Bromoform	50.000	54.740	-9.5	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	51.463	-2.9	97	0.00
74	T	N-amyl acetate	50.000	51.743	-3.5	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.625	4.8	97	0.00
76	T	1,2,3-Trichloropropane	50.000	49.455	1.1	100	0.00
77	T	Bromobenzene	50.000	49.799	0.4	97	0.00
78	T	n-propylbenzene	50.000	51.595	-3.2	96	0.00
79	T	2-Chlorotoluene	50.000	49.086	1.8	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.421	-2.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.175	-6.3	102	0.00
82	T	4-Chlorotoluene	50.000	51.369	-2.7	97	0.00
83	T	tert-Butylbenzene	50.000	50.408	-0.8	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.885	-3.8	97	0.00
85	T	sec-Butylbenzene	50.000	52.129	-4.3	98	0.00
86	T	p-Isopropyltoluene	50.000	52.222	-4.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	50.537	-1.1	98	0.00
88	T	1,4-Dichlorobenzene	50.000	49.713	0.6	98	0.00
89	T	n-Butylbenzene	50.000	53.818	-7.6	99	0.00
90	T	Hexachloroethane	50.000	52.527	-5.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	51.087	-2.2	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.001	-4.0	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.375	-2.8	99	0.00
94	T	Hexachlorobutadiene	50.000	51.510	-3.0	100	0.00
95	T	Naphthalene	50.000	49.502	1.0	95	0.00

Sample Results: **VX046284.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	51.272	-2.5	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX046331.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: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_X Calibration Date/Time: 05/23/2025 09:24

Lab File ID: VX046331.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.417	1.421		0.28	20
Toluene	0.869	0.878		1.04	20
Ethyl Benzene	1.929	1.985		2.9	20
m/p-Xylenes	0.706	0.719		1.84	20
o-Xylene	0.688	0.714		3.78	20
Isopropylbenzene	3.893	3.986		2.39	20
n-propylbenzene	4.526	4.678		3.36	20
1,3,5-Trimethylbenzene	3.252	3.374		3.75	20
tert-Butylbenzene	3.276	3.334		1.77	20
1,2,4-Trimethylbenzene	3.293	3.388		2.88	20
sec-Butylbenzene	4.022	4.204		4.53	20
p-Isopropyltoluene	3.320	3.484		4.94	20
n-Butylbenzene	2.912	3.156		8.38	20
1,2-Dichloroethane-d4	0.932	0.966		3.65	20
Dibromofluoromethane	0.360	0.384		6.67	20
Toluene-d8	1.246	1.307		4.9	20
4-Bromofluorobenzene	0.478	0.514		7.53	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	89943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	86863	51.802	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.600%			
35) Dibromofluoromethane	5.379	113	59429	53.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	8.647	98	202439	52.423	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.840%			
62) 4-Bromofluorobenzene	11.079	95	79568	53.716	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	64545	46.886	ug/l	97
3) Chloromethane	1.306	50	58836	44.072	ug/l	99
4) Vinyl Chloride	1.374	62	53273	42.877	ug/l	98
5) Bromomethane	1.599	94	25935	45.004	ug/l	95
6) Chloroethane	1.672	64	33980	51.230	ug/l	99
7) Trichlorofluoromethane	1.880	101	89339	48.653	ug/l	98
8) Diethyl Ether	2.130	74	30446	48.706	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	55612	48.939	ug/l	98
10) Methyl Iodide	2.447	142	61527	45.758	ug/l	99
11) Tert butyl alcohol	2.965	59	64532	274.166	ug/l	99
12) 1,1-Dichloroethene	2.312	96	49469	46.384	ug/l	97
13) Acrolein	2.233	56	71978	268.519	ug/l	98
14) Allyl chloride	2.660	41	105111	51.568	ug/l	97
15) Acrylonitrile	3.062	53	181852	270.194	ug/l	98
16) Acetone	2.379	43	176899	263.114	ug/l	100
17) Carbon Disulfide	2.507	76	105198	41.606	ug/l	99
18) Methyl Acetate	2.703	43	98895	63.388	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	197614	52.851	ug/l	99
20) Methylene Chloride	2.782	84	59651	46.299	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	50409	47.000	ug/l	92
22) Diisopropyl ether	3.757	45	207508	52.704	ug/l	98
23) Vinyl Acetate	3.715	43	910937	263.054	ug/l	99
24) 1,1-Dichloroethane	3.605	63	111459	50.826	ug/l	99
25) 2-Butanone	4.550	43	266316	272.843	ug/l	99
26) 2,2-Dichloropropane	4.471	77	89521	52.155	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	63472	49.159	ug/l	99
28) Bromochloromethane	4.891	49	54142	51.292	ug/l	100
29) Tetrahydrofuran	5.001	42	166716	272.575	ug/l	98
30) Chloroform	5.086	83	115698	50.618	ug/l	91
31) Cyclohexane	5.464	56	92255	46.166	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	101459	51.206	ug/l	99
36) 1,1-Dichloropropene	5.684	75	72479	48.349	ug/l	100
37) Ethyl Acetate	4.708	43	97648	52.723	ug/l	99
38) Carbon Tetrachloride	5.672	117	85412	50.709	ug/l	99
39) Methylcyclohexane	7.372	83	92549	47.954	ug/l	96
40) Benzene	6.031	78	220133	50.133	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56487m	58.302	ug/l		
42) 1,2-Dichloroethane	6.080	62	97361	51.375	ug/l		100
43) Isopropyl Acetate	6.336	43	158225	55.999	ug/l		99
44) Trichloroethene	7.123	130	53136	50.279	ug/l		99
45) 1,2-Dichloropropane	7.421	63	58016	53.136	ug/l		99
46) Dibromomethane	7.574	93	44309	51.454	ug/l		99
47) Bromodichloromethane	7.818	83	92253	54.392	ug/l		99
48) Methyl methacrylate	7.689	41	82925	57.467	ug/l		99
49) 1,4-Dioxane	7.659	88	28855	1053.147	ug/l		99
51) 4-Methyl-2-Pentanone	8.567	43	524686	279.753	ug/l		99
52) Toluene	8.714	92	136068	50.537	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	84046	55.750	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	91612	54.982	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	56661	53.371	ug/l		97
56) Ethyl methacrylate	9.110	69	97493	57.619	ug/l		99
57) 1,3-Dichloropropane	9.305	76	98945	51.895	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	231542	268.416	ug/l		99
59) 2-Hexanone	9.427	43	395700	285.172	ug/l		100
60) Dibromochloromethane	9.518	129	64591	55.399	ug/l		99
61) 1,2-Dibromoethane	9.604	107	58405	52.931	ug/l		98
64) Tetrachloroethene	9.268	164	48977	50.481	ug/l		96
65) Chlorobenzene	10.073	112	148639	49.525	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53302	52.010	ug/l		98
67) Ethyl Benzene	10.189	91	272231	51.457	ug/l		100
68) m/p-Xylenes	10.299	106	197275	101.954	ug/l		98
69) o-Xylene	10.640	106	97901	51.899	ug/l		98
70) Styrene	10.652	104	165627	53.599	ug/l		99
71) Bromoform	10.799	173	42491	55.224	ug/l	#	97
73) Isopropylbenzene	10.957	105	265569	51.196	ug/l		99
74) N-amyl acetate	10.841	43	138648	54.091	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	91010	50.066	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	81837m	51.027	ug/l		
77) Bromobenzene	11.195	156	59541	49.441	ug/l		100
78) n-propylbenzene	11.299	91	311660	51.673	ug/l		99
79) 2-Chlorotoluene	11.360	91	191122	49.128	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	224812	51.877	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.012	75	27002	54.814	ug/l		97
82) 4-Chlorotoluene	11.451	91	219638	50.910	ug/l		99
83) tert-Butylbenzene	11.713	119	222135	50.888	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	225740	51.438	ug/l		100
85) sec-Butylbenzene	11.890	105	280123	52.265	ug/l		100
86) p-Isopropyltoluene	12.006	119	232168	52.479	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	109948	50.025	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	111425	49.641	ug/l		99
89) n-Butylbenzene	12.329	91	210250	54.179	ug/l		99
90) Hexachloroethane	12.536	117	41404	53.122	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	112487	51.002	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22183	55.085	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	66261	52.307	ug/l		99
94) Hexachlorobutadiene	13.725	225	29675	53.637	ug/l		99
95) Naphthalene	13.774	128	242188	52.127	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	67021	51.275	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

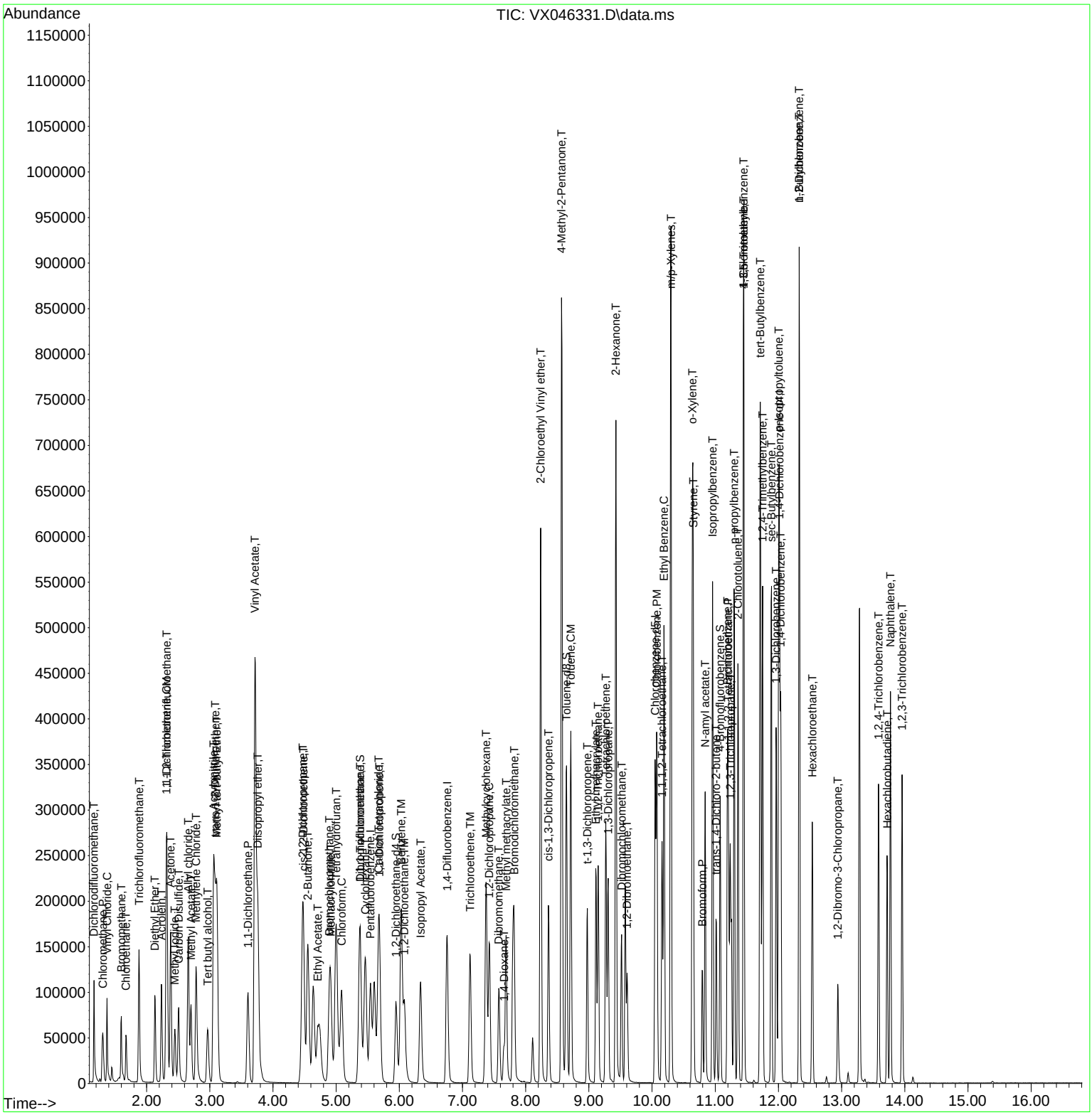
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

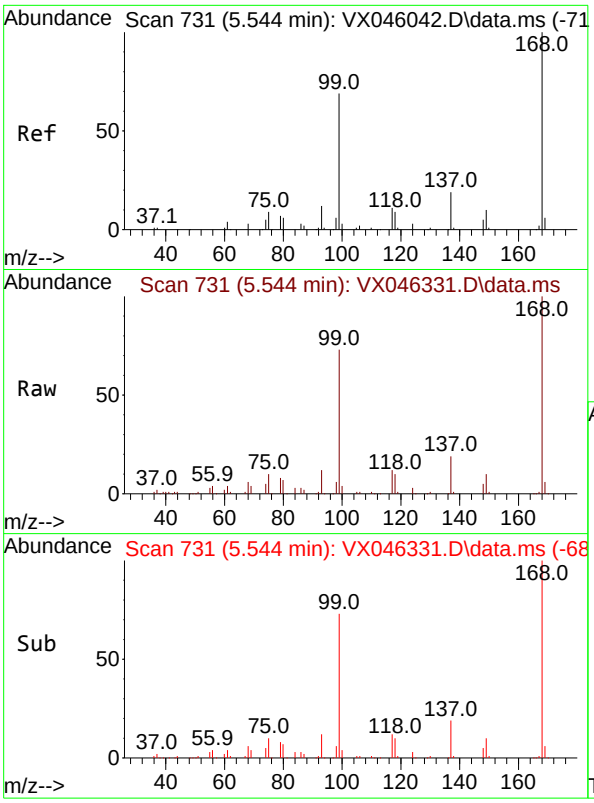
Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

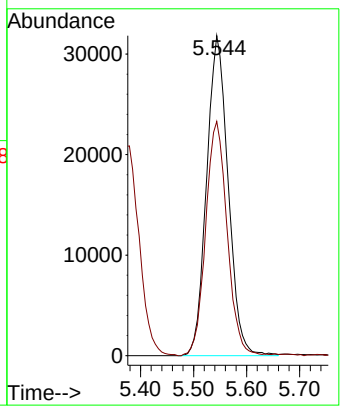




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:168 Resp: 8994

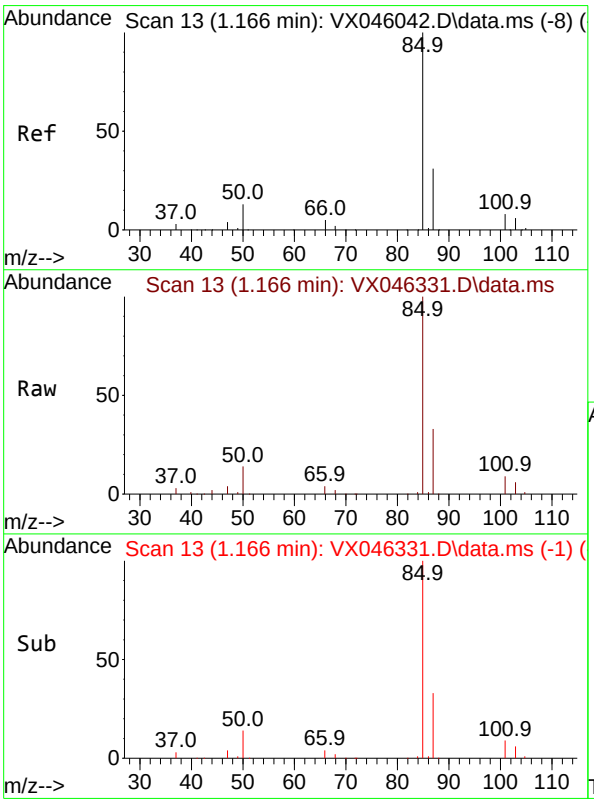
Ion	Ratio	Lower	Upper
168	100		
99	73.2	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

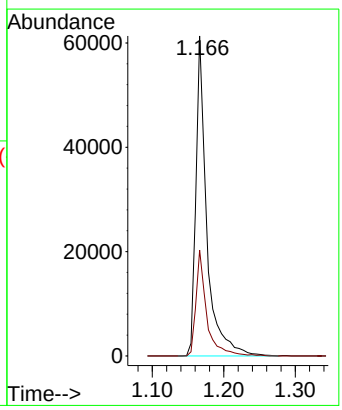
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

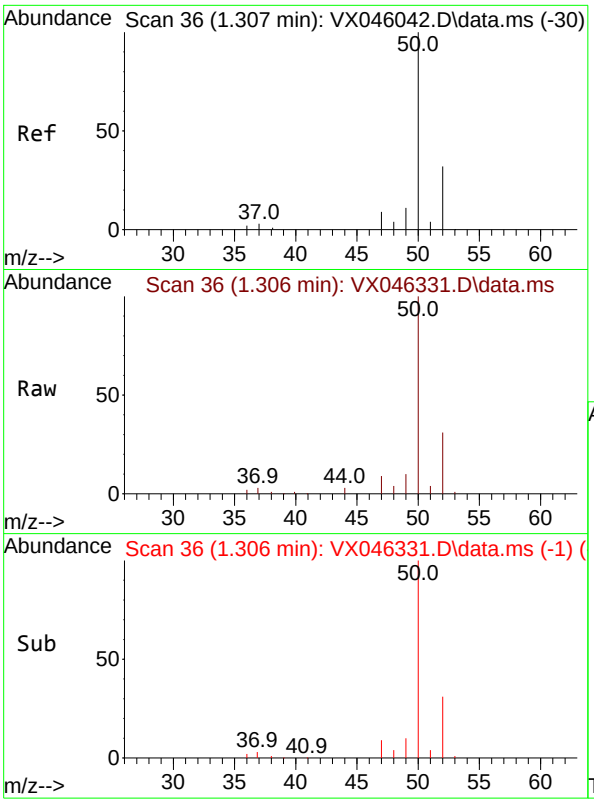


#2
Dichlorodifluoromethane
Concen: 46.886 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 85 Resp: 64545

Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.7	47.1

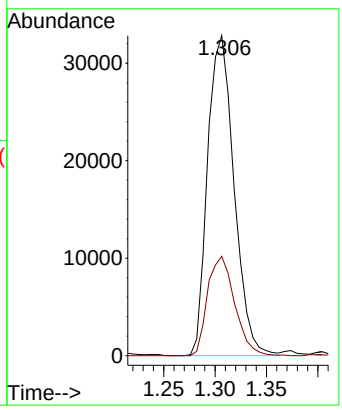




#3
Chloromethane
Concen: 44.072 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 50 Resp: 5883

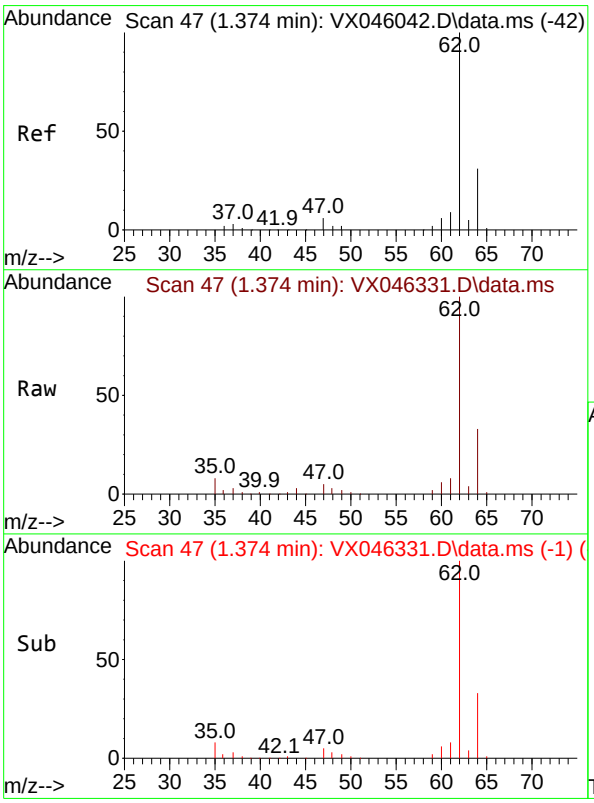
Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

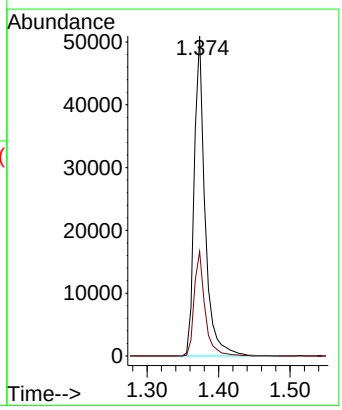
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

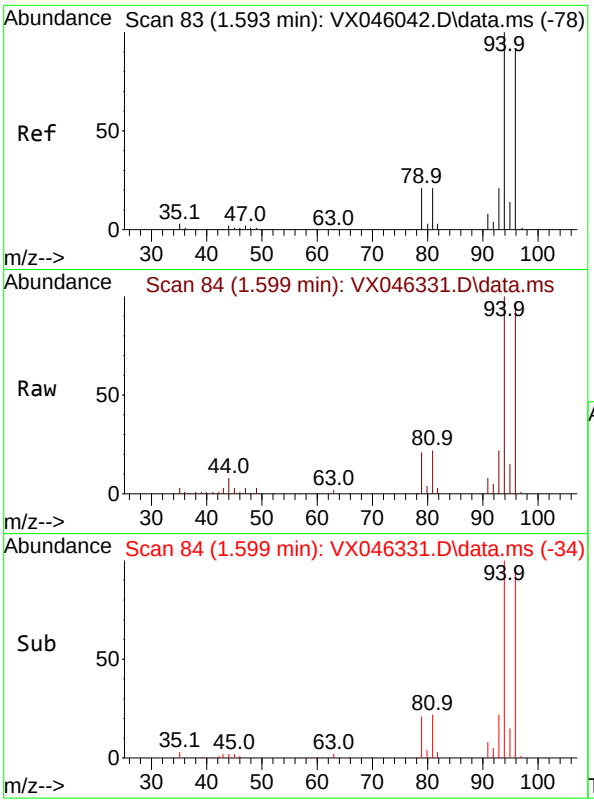


#4
Vinyl Chloride
Concen: 42.877 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 62 Resp: 53273

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.2	37.8

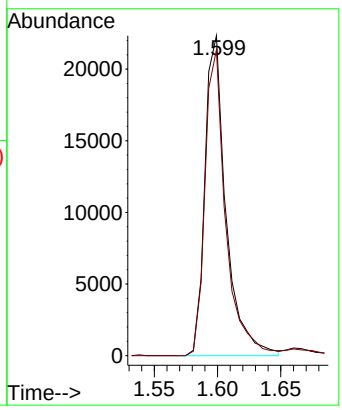




#5
Bromomethane
Concen: 45.004 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 94 Resp: 2593

Ion	Ratio	Lower	Upper
94	100		
96	95.6	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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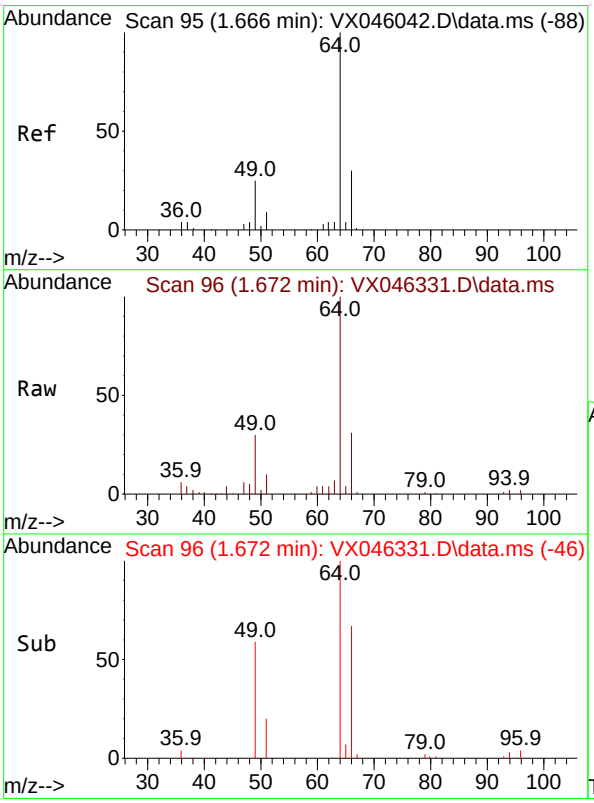
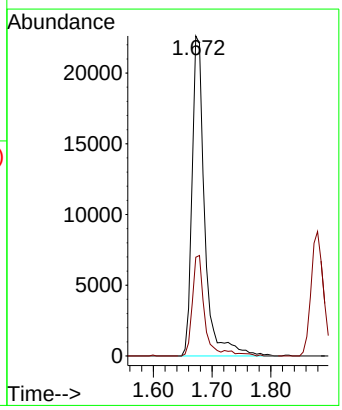
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

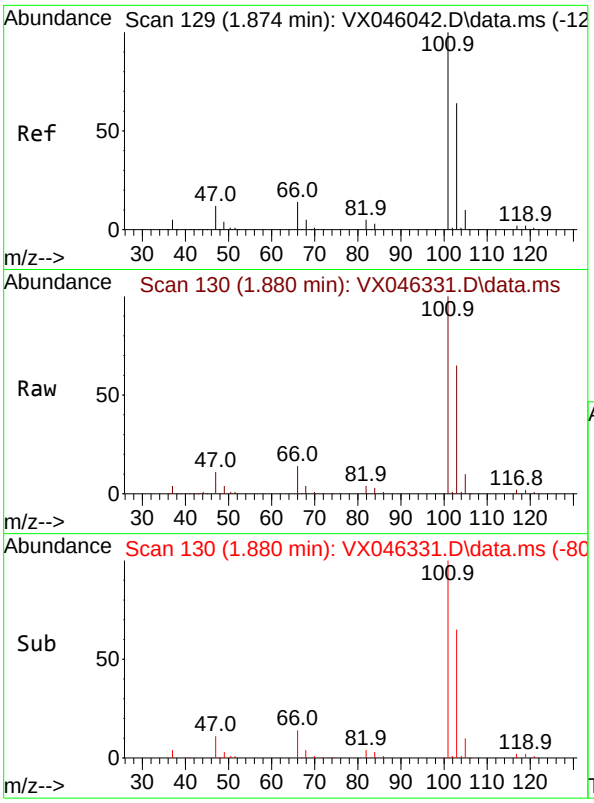


#6
Chloroethane
Concen: 51.230 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 64 Resp: 33980

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.3	36.5

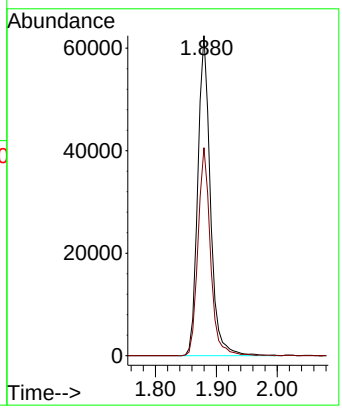




#7
Trichlorofluoromethane
Concen: 48.653 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:101 Resp: 8933

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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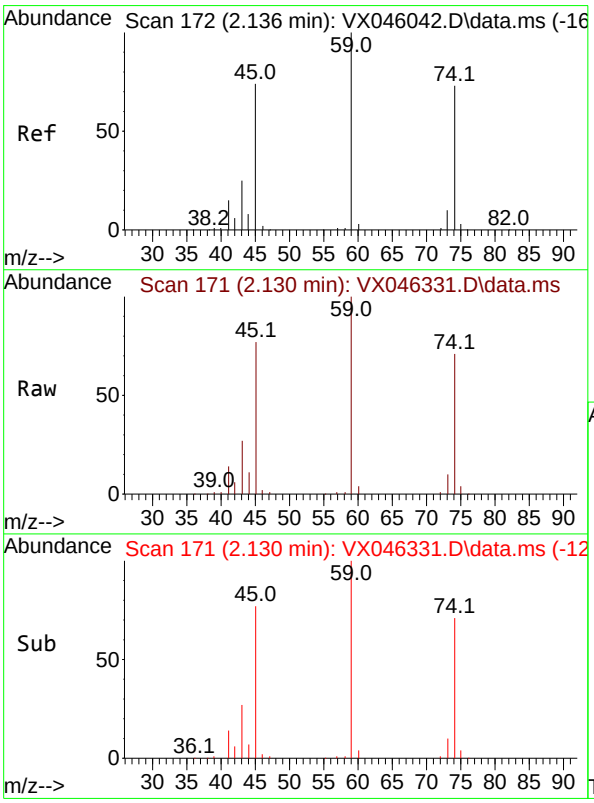
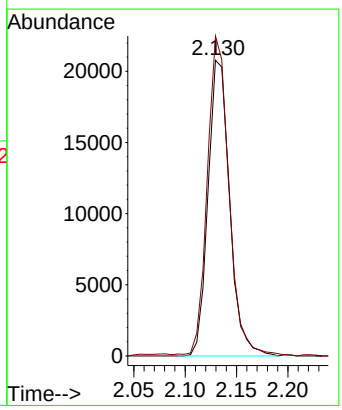
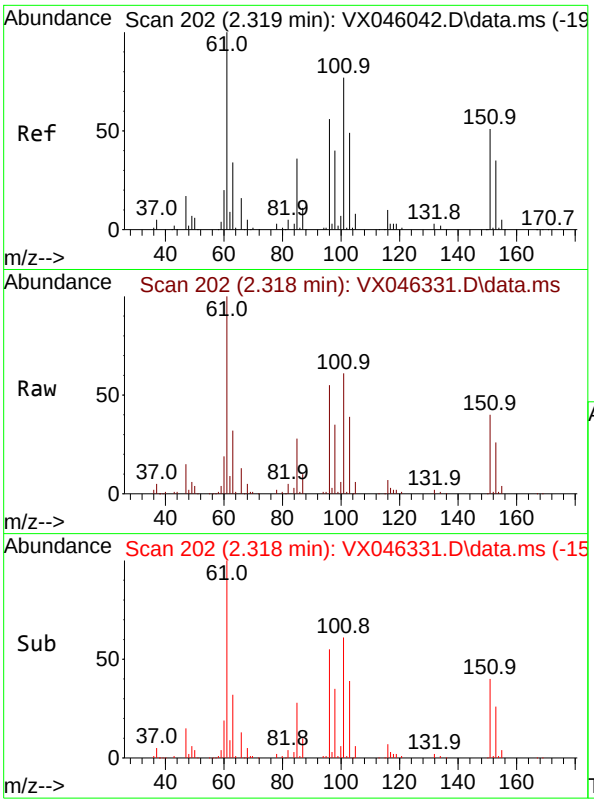


#8
Diethyl Ether
Concen: 48.706 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 74 Resp: 30446

Ion	Ratio	Lower	Upper
74	100		
45	108.6	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.939 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:101 Resp: 5561

Ion	Ratio	Lower	Upper
101	100		
85	48.0	38.6	58.0
151	71.0	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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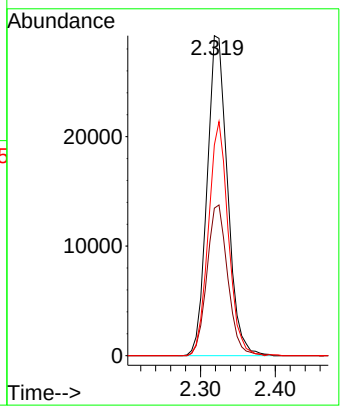
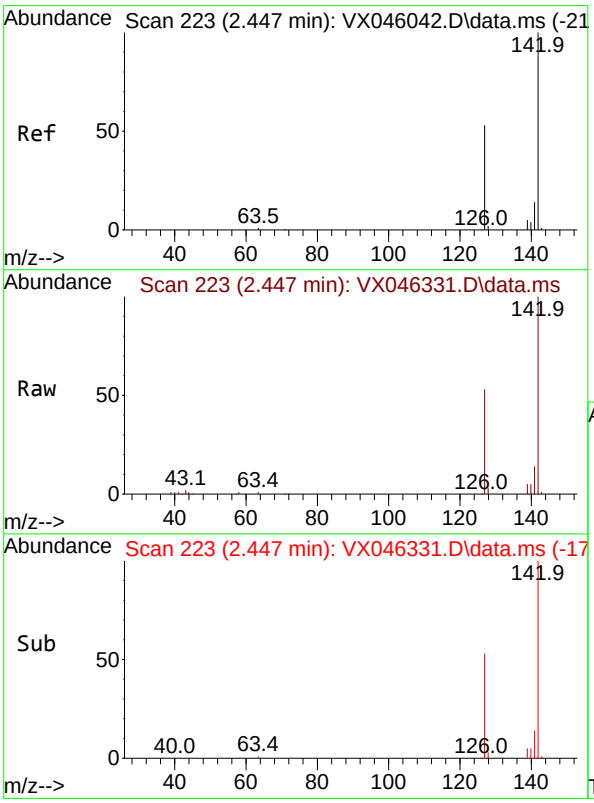
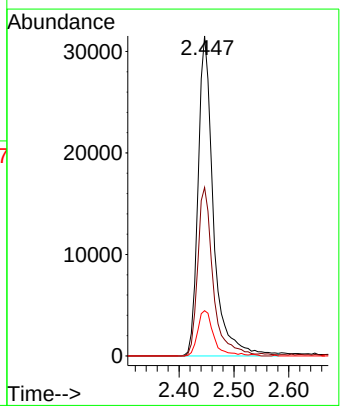


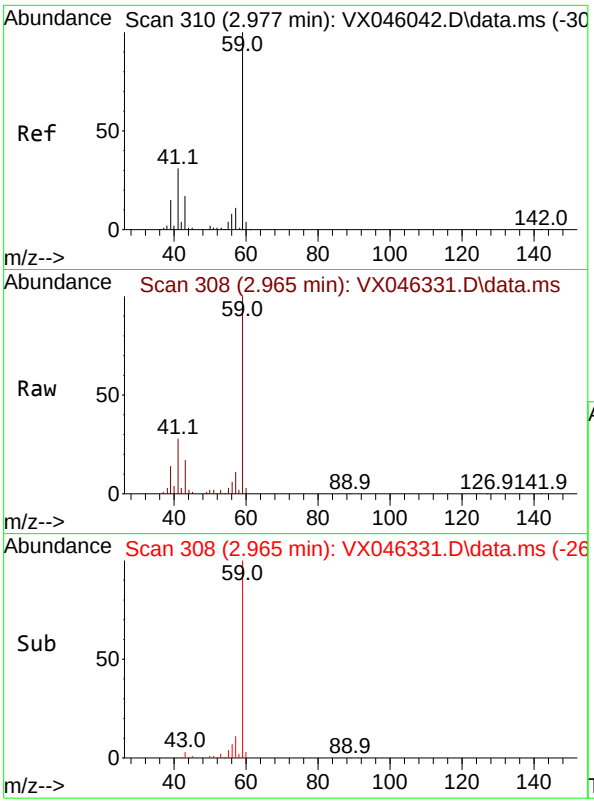


#10
Methyl Iodide
Concen: 45.758 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:142 Resp: 61527

Ion	Ratio	Lower	Upper
142	100		
127	52.7	41.7	62.5
141	14.7	11.5	17.3





#11
Tert butyl alcohol
Concen: 274.166 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 59 Resp: 6453

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :Semsettin Yesilyurt 05/26/2025
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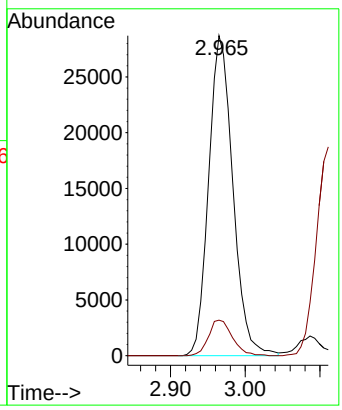
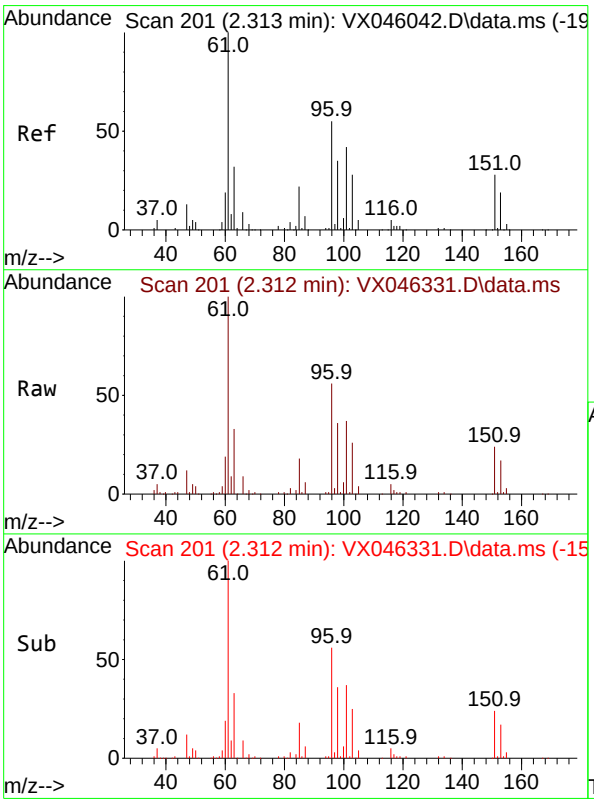
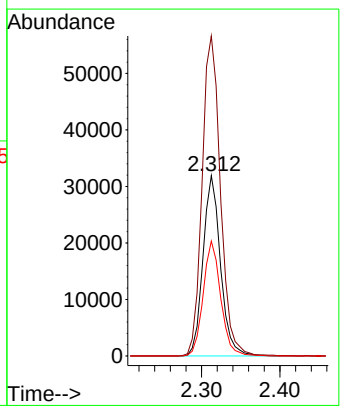


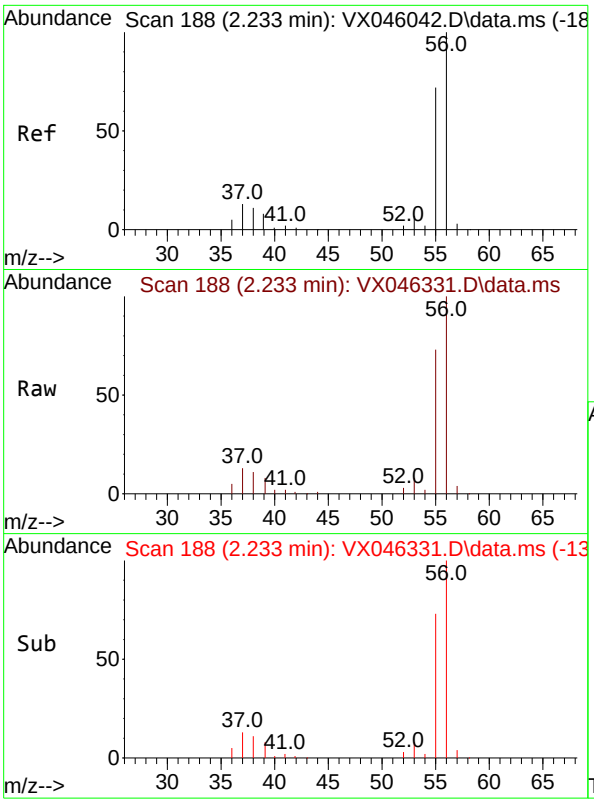


#12
1,1-Dichloroethene
Concen: 46.384 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 96 Resp: 49469

Ion	Ratio	Lower	Upper
96	100		
61	177.5	146.2	219.2
98	63.7	51.0	76.6

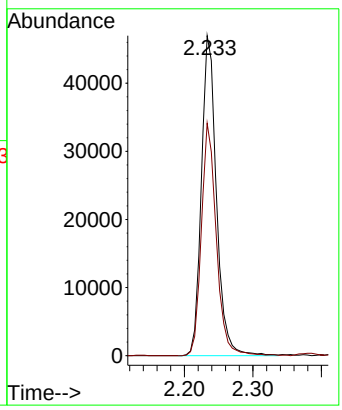




#13
Acrolein
Concen: 268.519 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 56 Resp: 7197

Ion	Ratio	Lower	Upper
56	100		
55	72.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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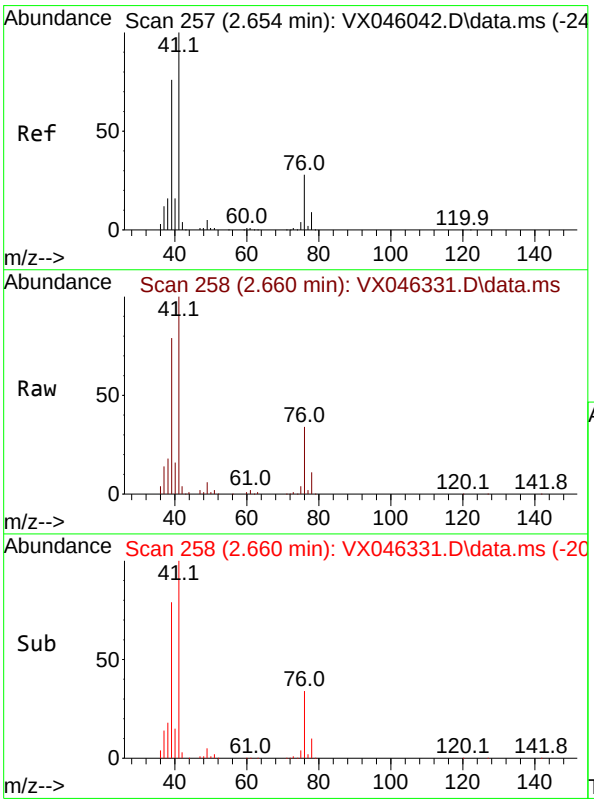
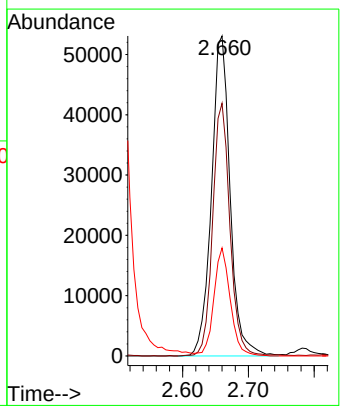
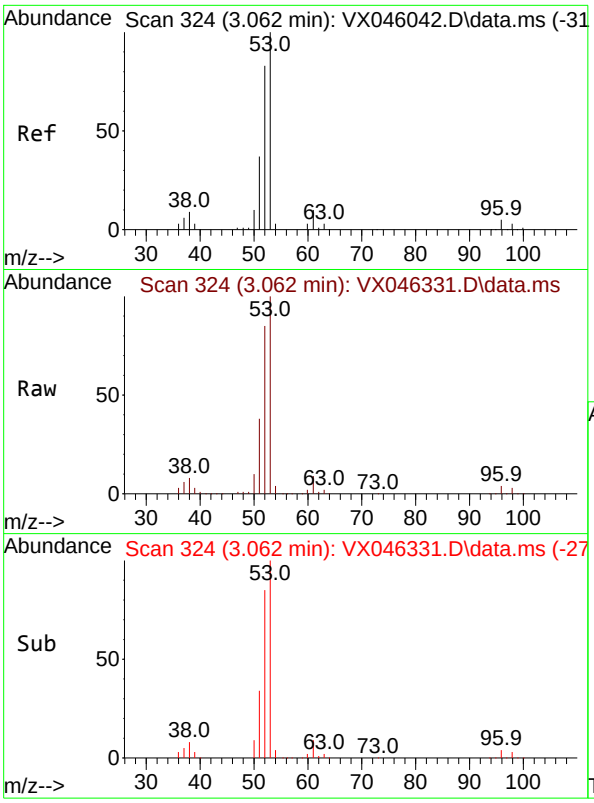


#14
Allyl chloride
Concen: 51.568 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 105111

Ion	Ratio	Lower	Upper
41	100		
39	72.7	60.6	90.8
76	29.7	24.9	37.3

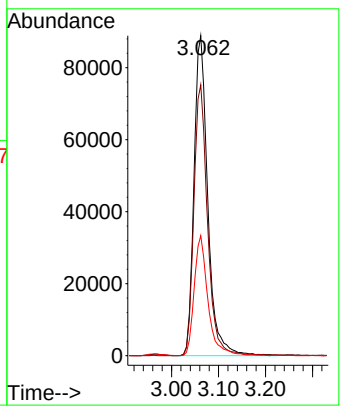




#15
Acrylonitrile
Concen: 270.194 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 53 Resp: 18185

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.3	97.9
51	37.3	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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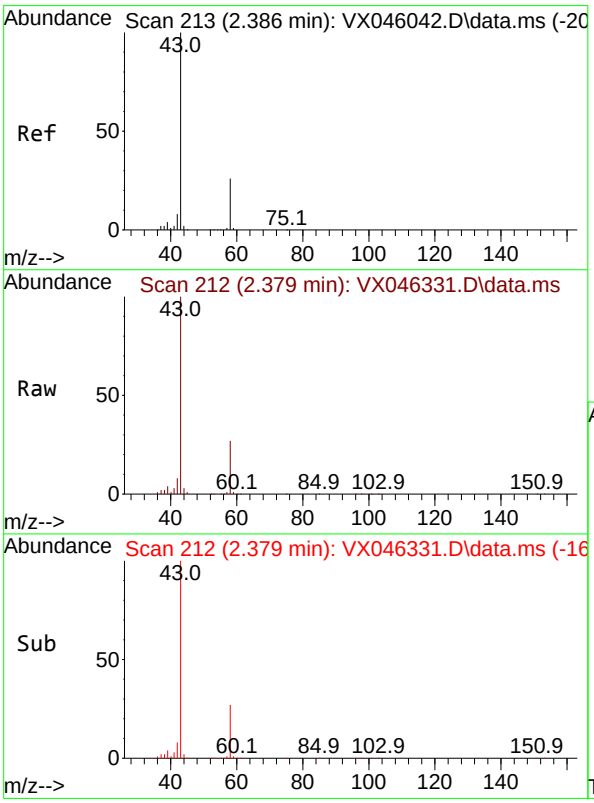
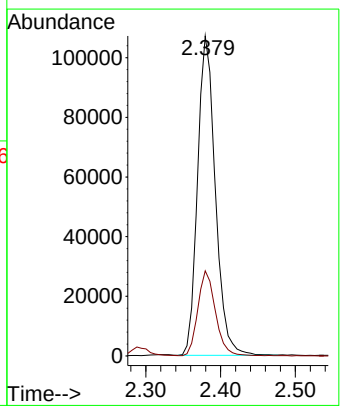
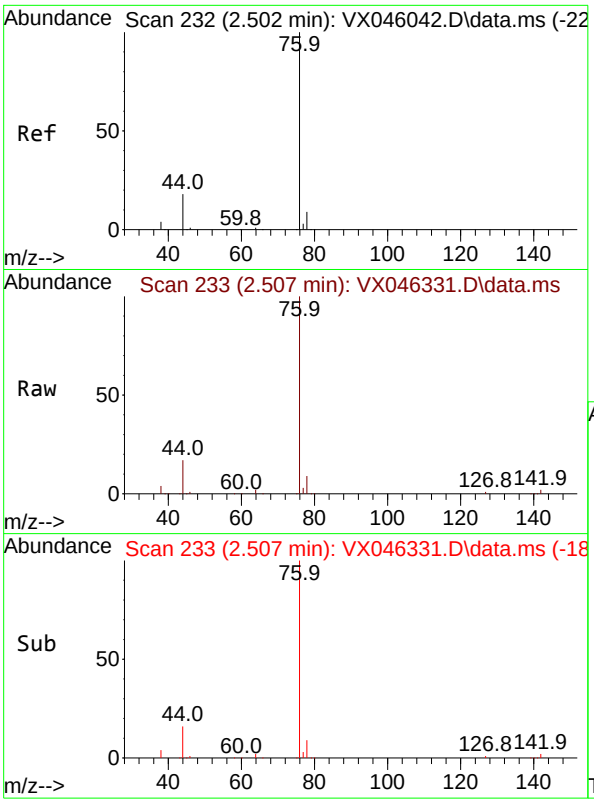


#16
Acetone
Concen: 263.114 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 176899

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.2	31.8

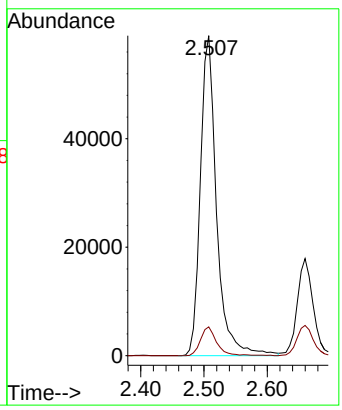




#17
Carbon Disulfide
Concen: 41.606 ug/l
RT: 2.507 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 76 Resp: 10519

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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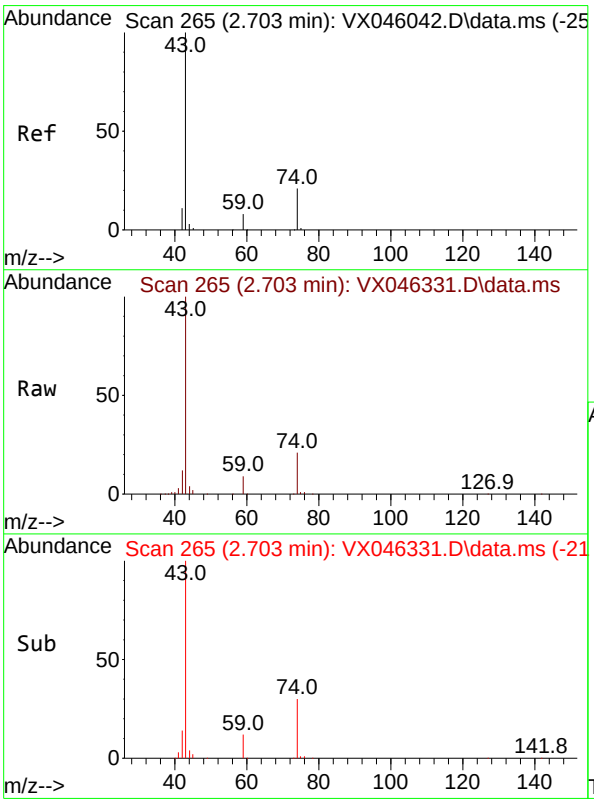
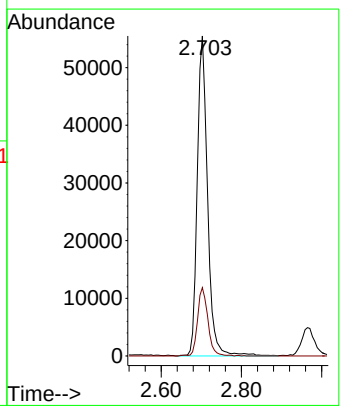
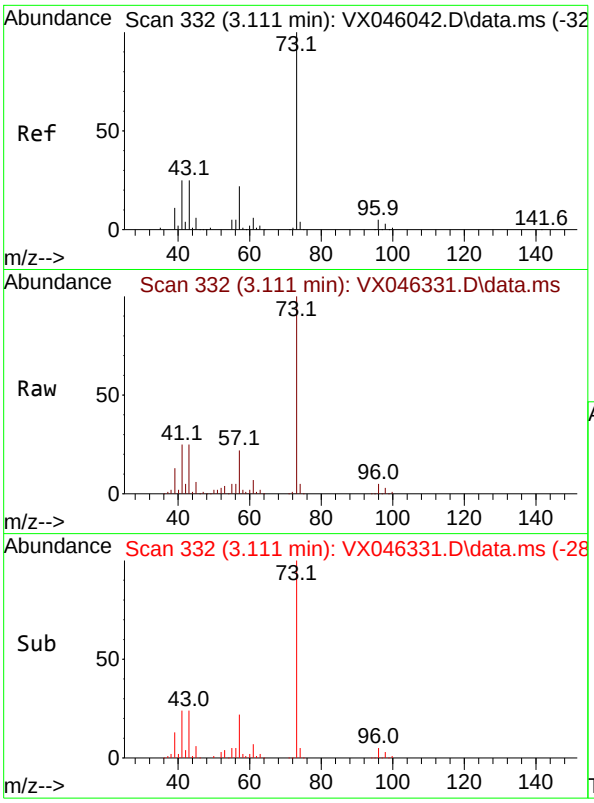


#18
Methyl Acetate
Concen: 63.388 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 98895

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1

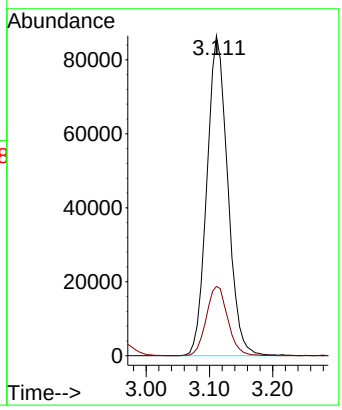




#19
Methyl tert-butyl Ether
Concen: 52.851 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 73 Resp: 19761

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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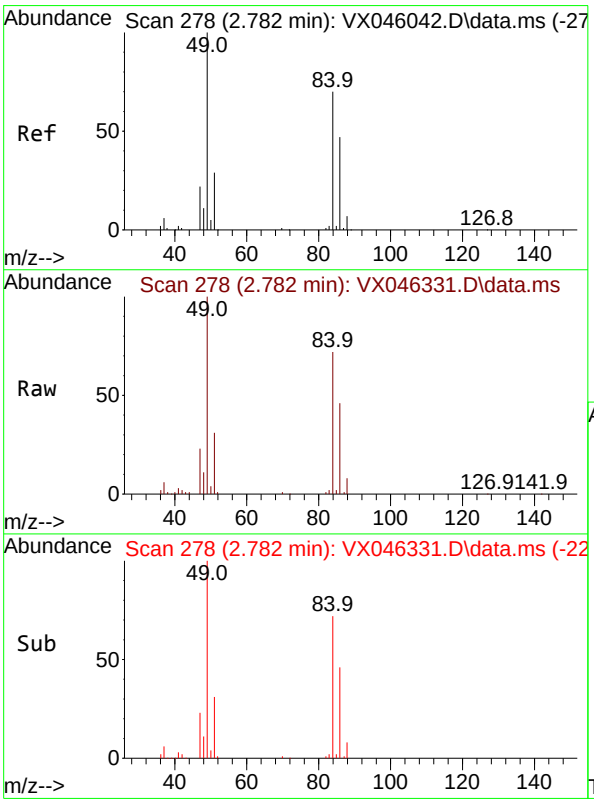
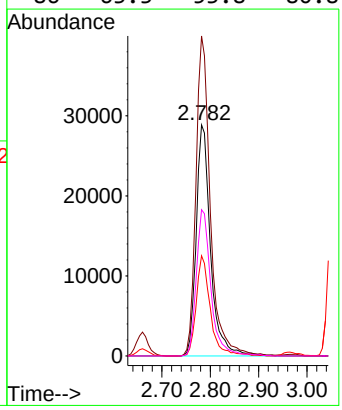
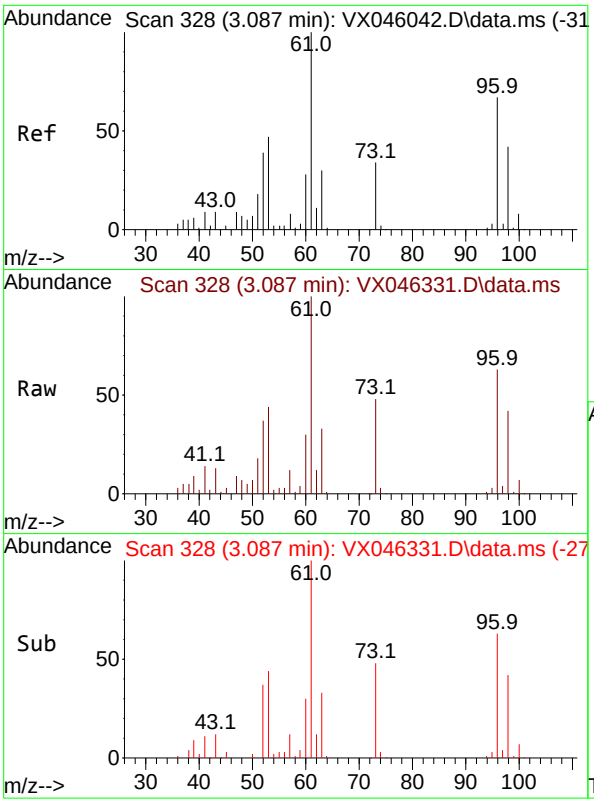


#20
Methylene Chloride
Concen: 46.299 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 84 Resp: 59651

Ion	Ratio	Lower	Upper
84	100		
49	138.5	113.9	170.9
51	43.3	33.5	50.3
86	63.3	53.8	80.8

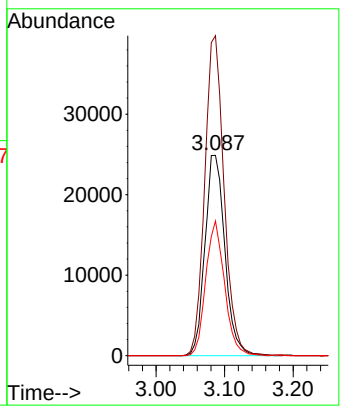




#21
trans-1,2-Dichloroethene
Concen: 47.000 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 96 Resp: 5040

Ion	Ratio	Lower	Upper
96	100		
61	159.7	119.5	179.3
98	67.3	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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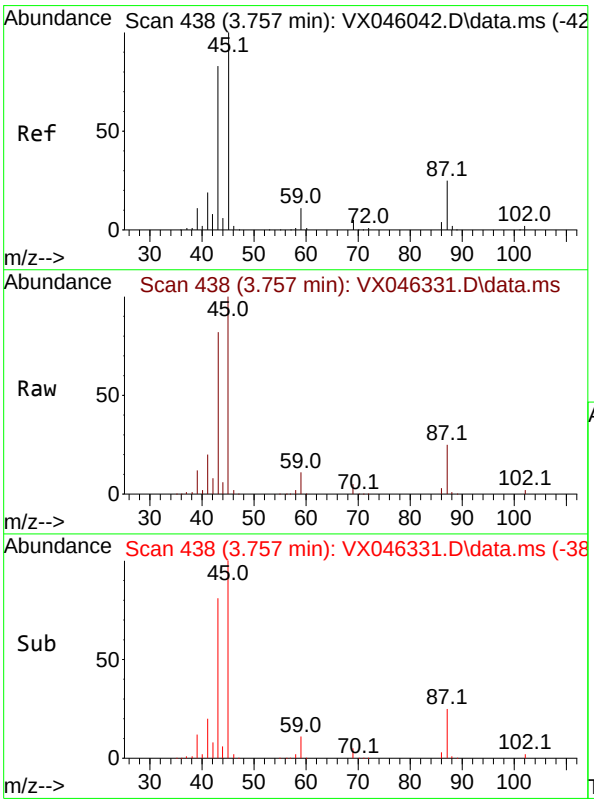
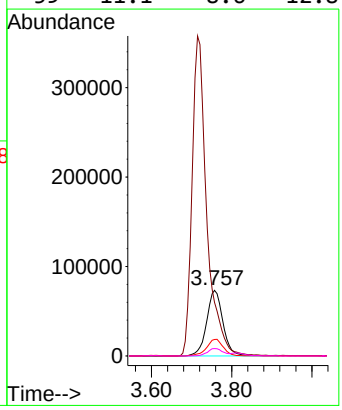
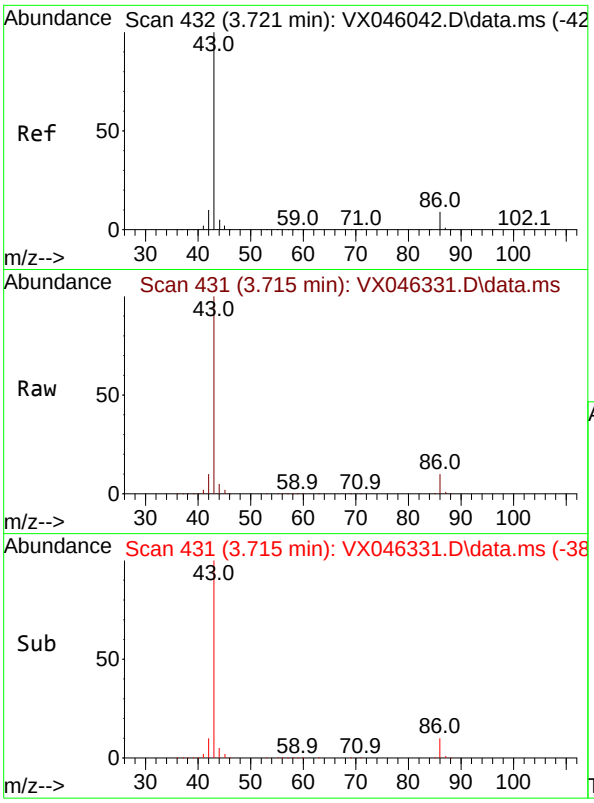


#22
Diisopropyl ether
Concen: 52.704 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 45 Resp: 207508

Ion	Ratio	Lower	Upper
45	100		
43	81.5	66.6	100.0
87	25.1	19.8	29.6
59	11.1	8.6	12.8





#23
Vinyl Acetate
Concen: 263.054 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 91093

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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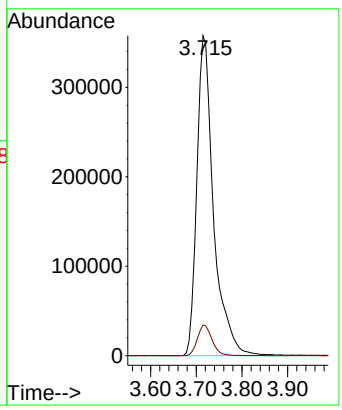
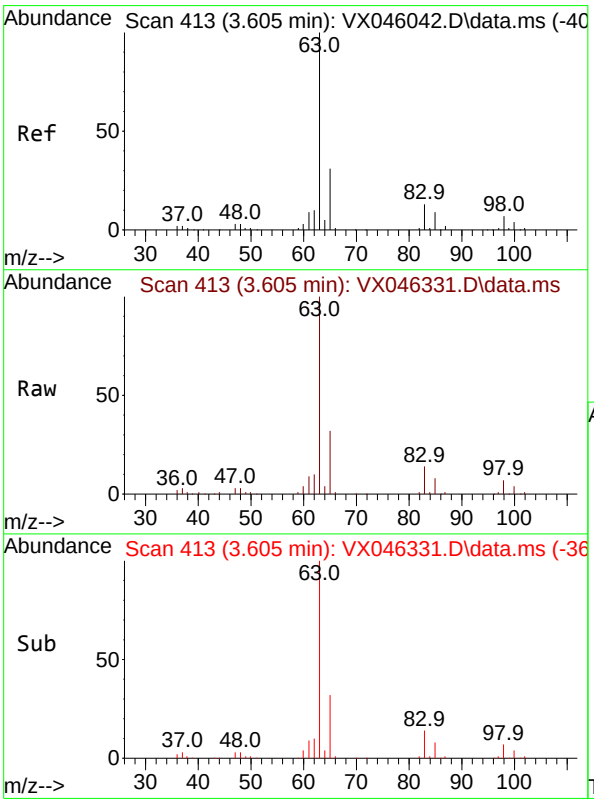
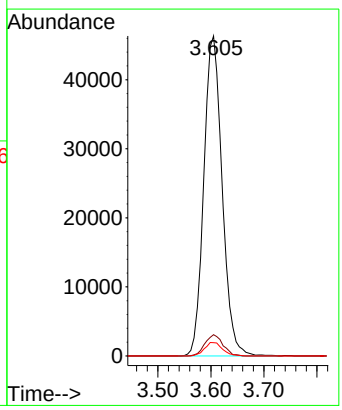


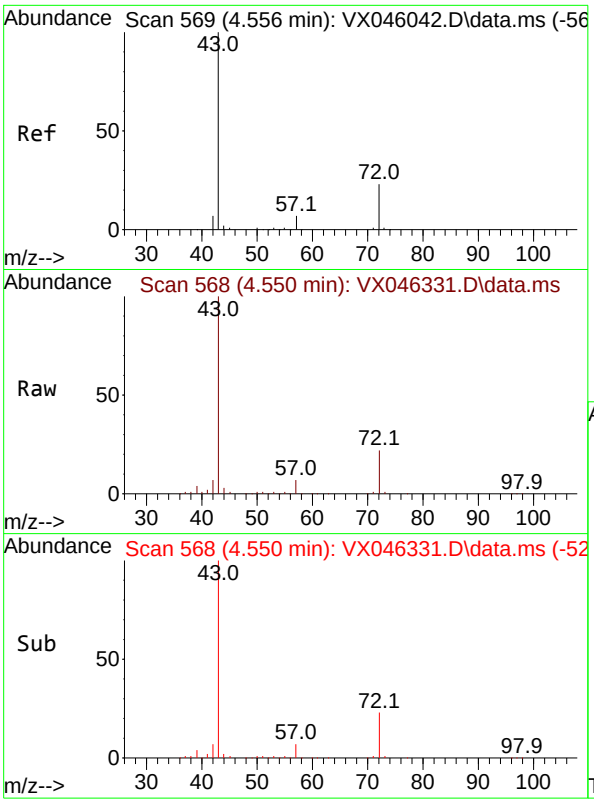


#24
1,1-Dichloroethane
Concen: 50.826 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 63 Resp: 111459

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.6	10.8
100	4.1	2.1	6.3





#25
2-Butanone
Concen: 272.843 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 26631

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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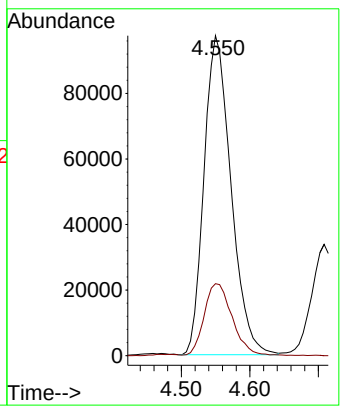
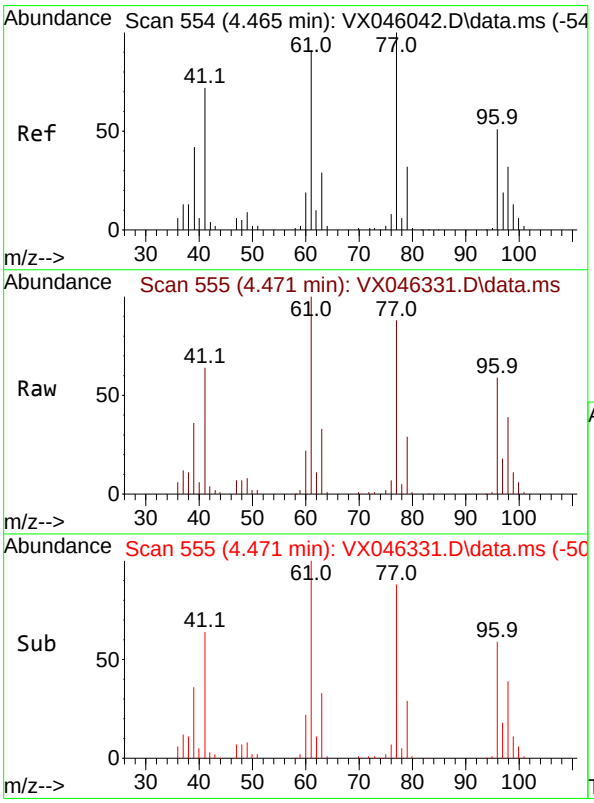
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

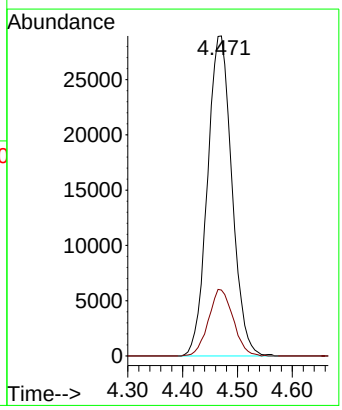


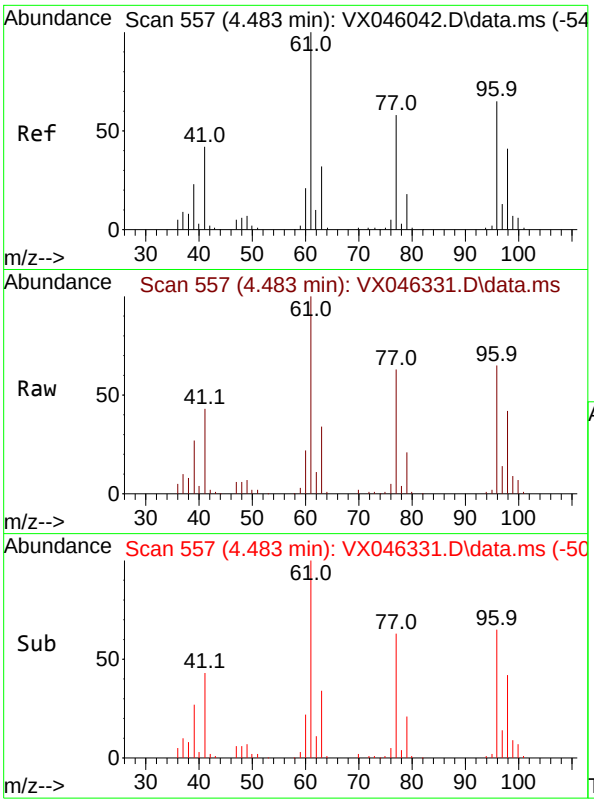


#26
2,2-Dichloropropane
Concen: 52.155 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 77 Resp: 89521

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 49.159 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 96 Resp: 6347

Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	322.8
98	65.1	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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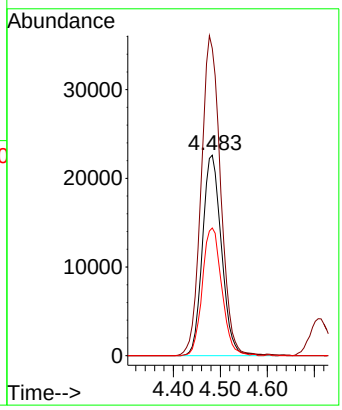
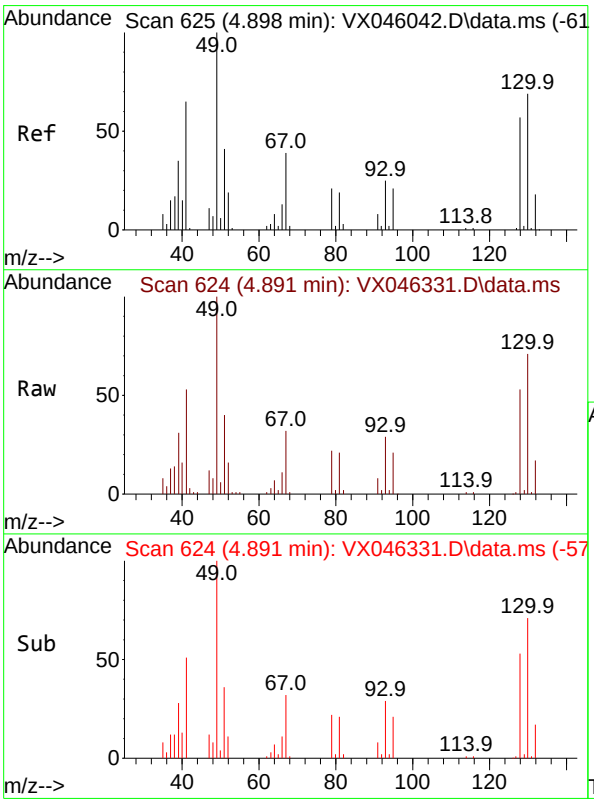
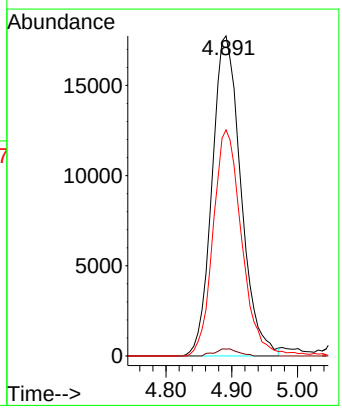


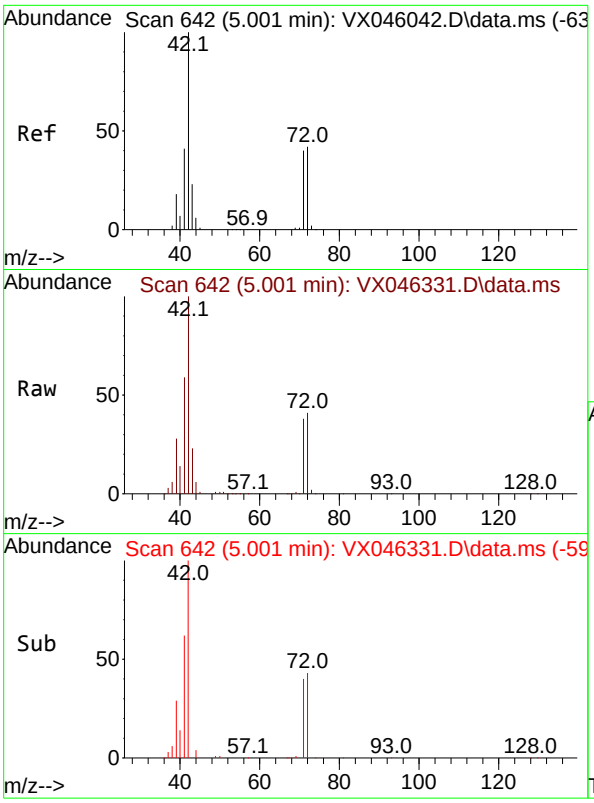


#28
Bromochloromethane
Concen: 51.292 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 49 Resp: 54142

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.2	56.2	84.2





#29
Tetrahydrofuran
Concen: 272.575 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 42 Resp: 16671

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	37.9	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
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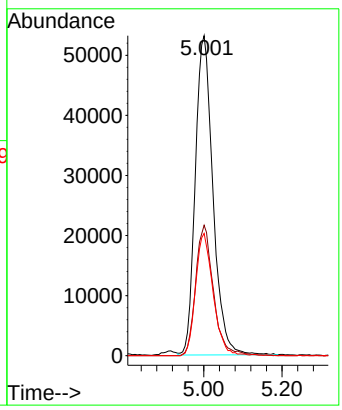
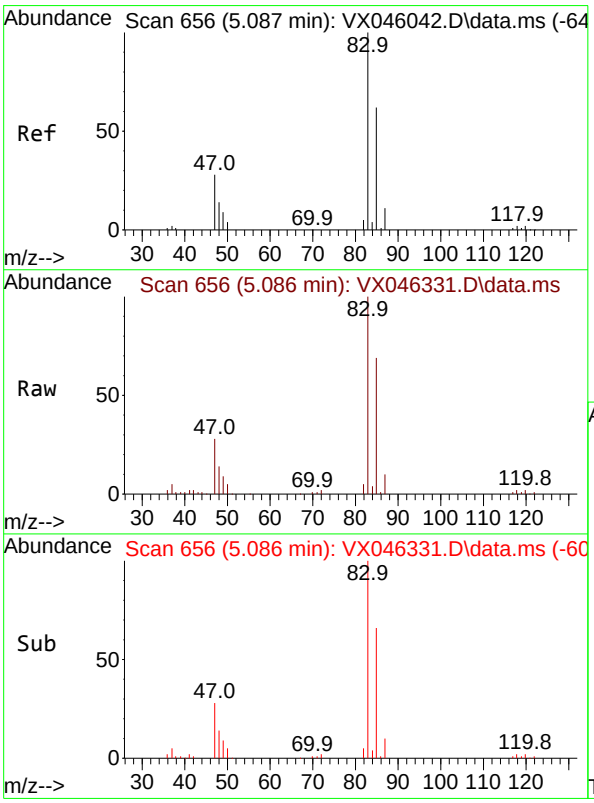
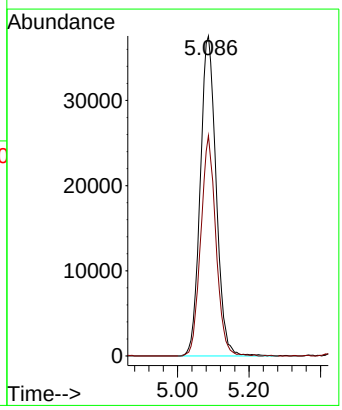


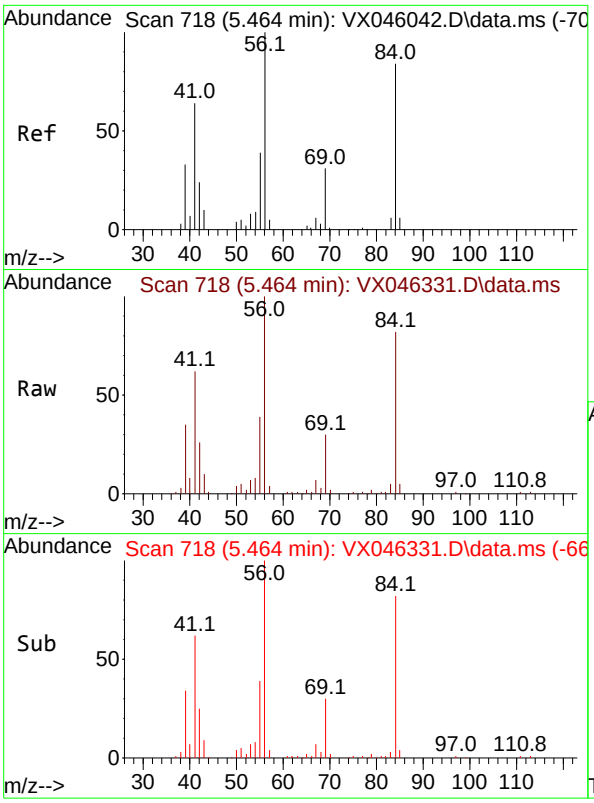


#30
Chloroform
Concen: 50.618 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 115698

Ion	Ratio	Lower	Upper
83	100		
85	68.9	49.3	73.9

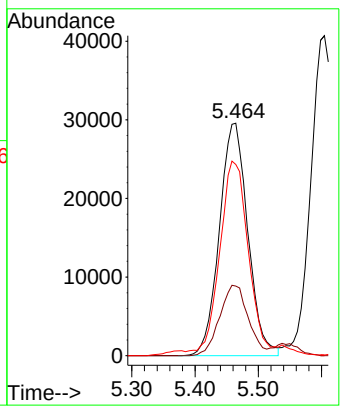




#31
Cyclohexane
Concen: 46.166 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 56 Resp: 9225

Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	80.1	66.9	100.3



Instrument :
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ClientSampleId :
VSTDCCC050

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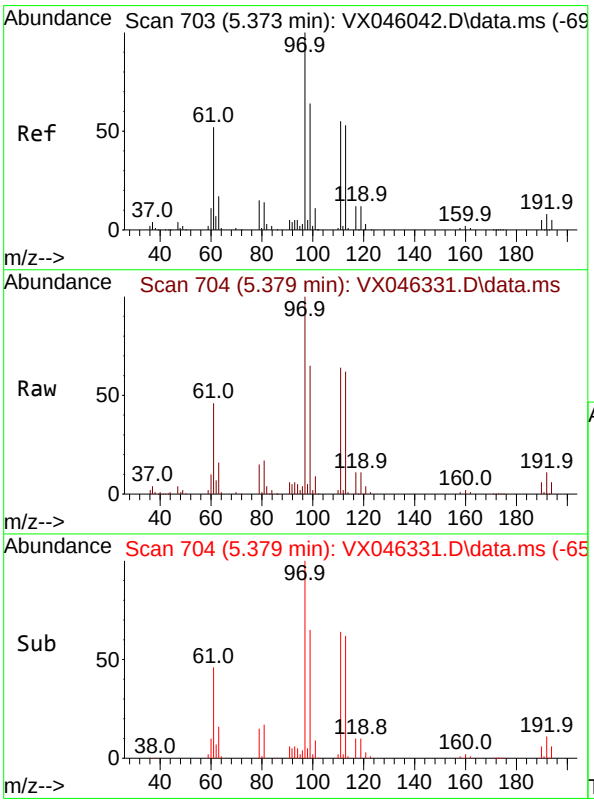
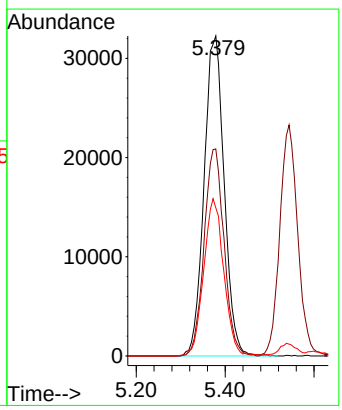
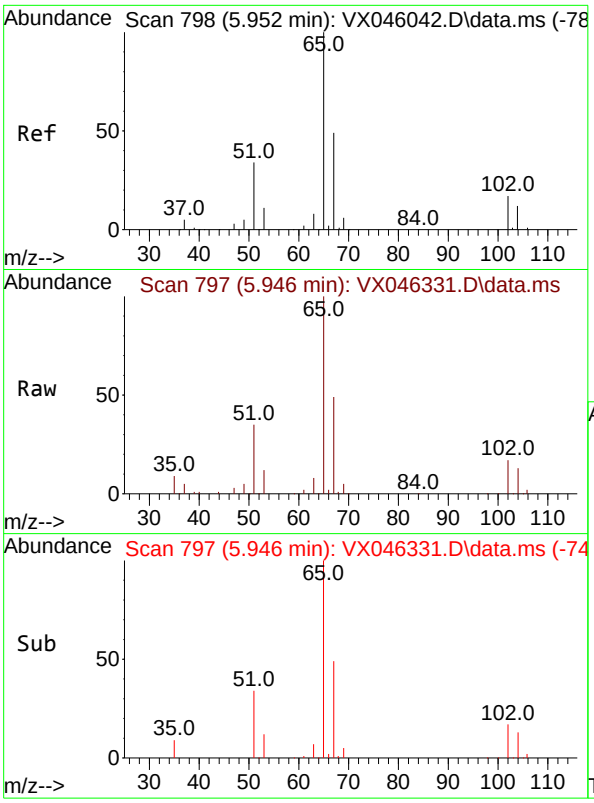


#32
1,1,1-Trichloroethane
Concen: 51.206 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 97 Resp: 101459

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	49.1	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 51.802 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 65 Resp: 8686

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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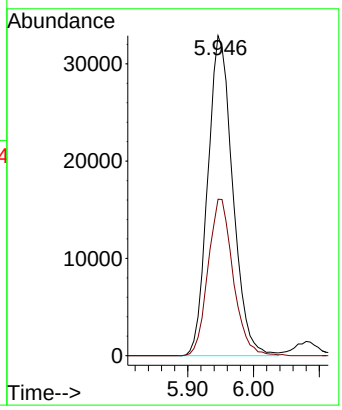
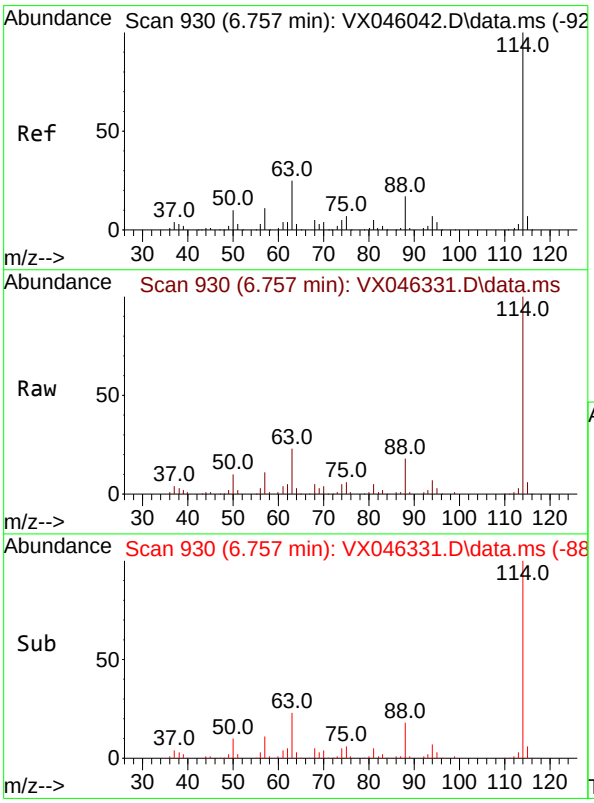
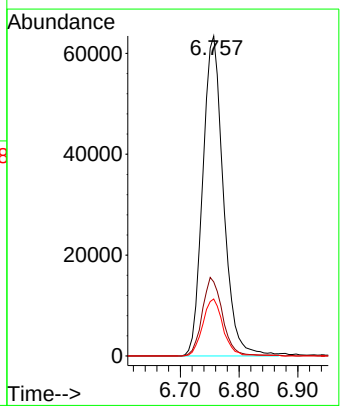


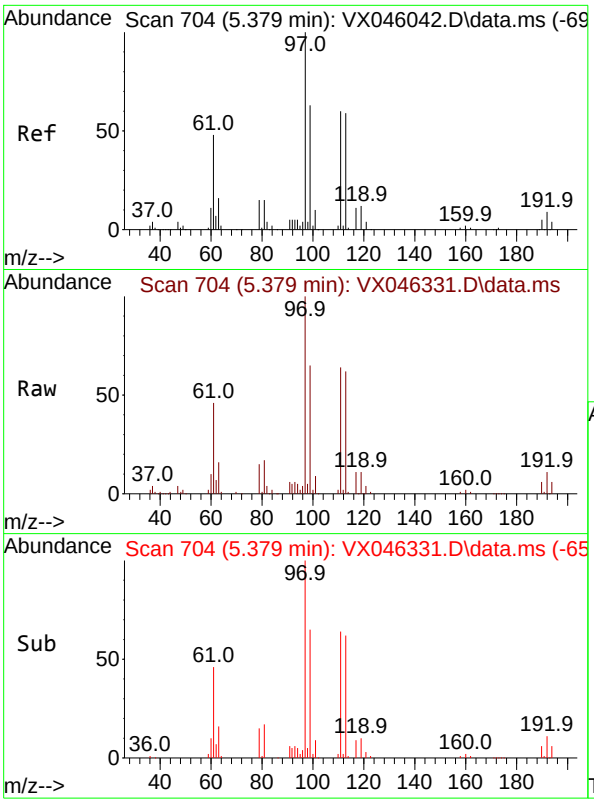


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:114 Resp: 154938

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	49.2
88	17.8	0.0	33.6

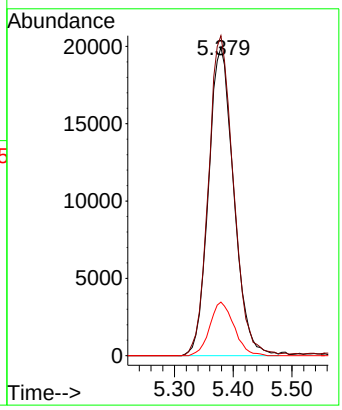




#35
Dibromofluoromethane
Concen: 53.265 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:113 Resp: 5942

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	16.7	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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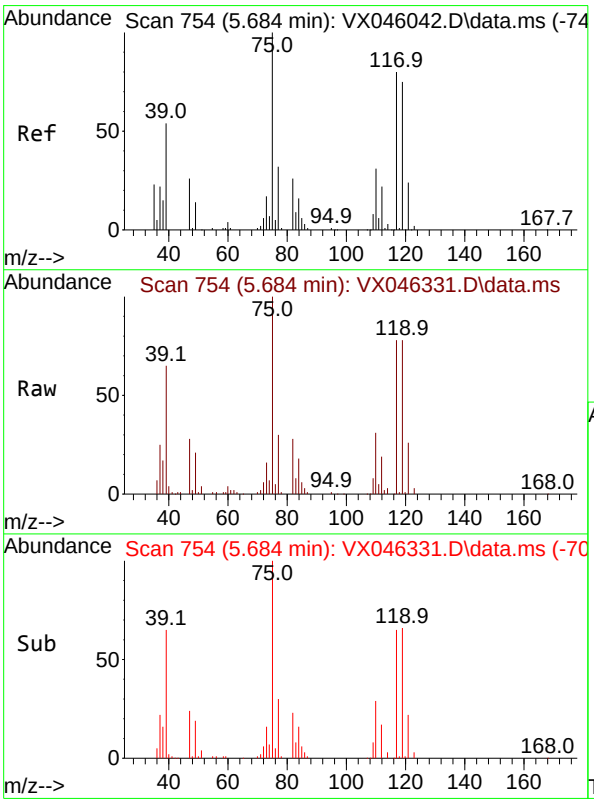
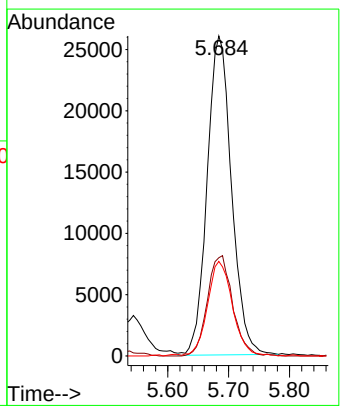
Supervised By :Mahesh Dadoda 05/26/2025

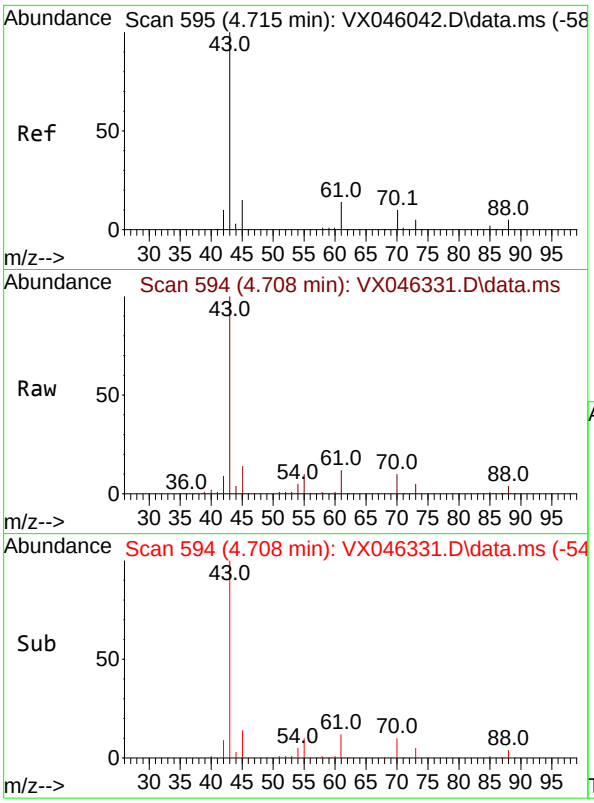


#36
1,1-Dichloropropene
Concen: 48.349 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 72479

Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.3	48.9
77	30.3	24.3	36.5

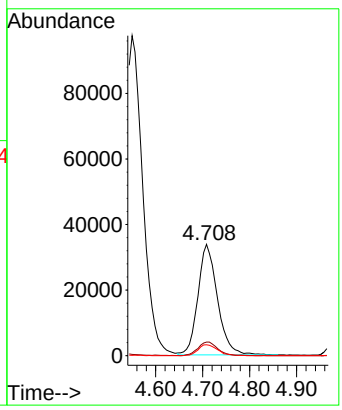




#37
Ethyl Acetate
Concen: 52.723 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 9764

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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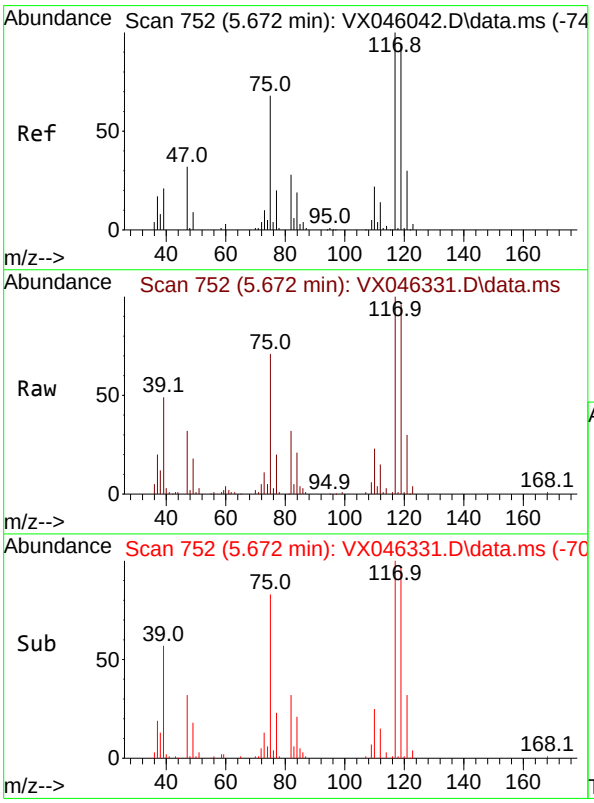
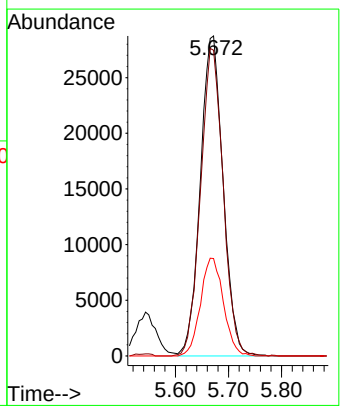
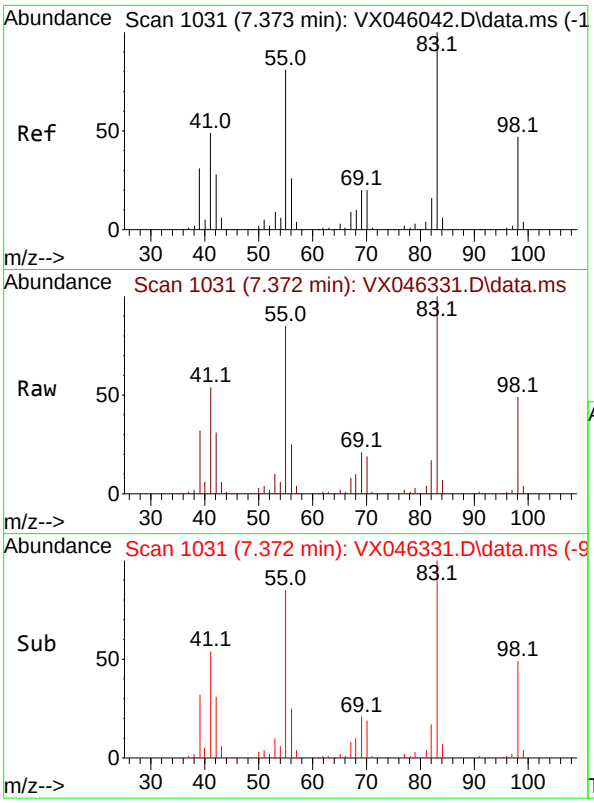


#38
Carbon Tetrachloride
Concen: 50.709 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 85412

Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.2	112.8
121	30.4	24.2	36.4

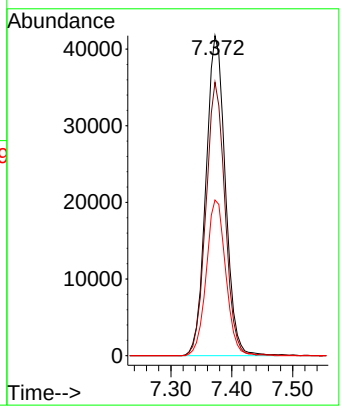




#39
Methylcyclohexane
Concen: 47.954 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 9254

Ion	Ratio	Lower	Upper
83	100		
55	85.5	64.7	97.1
98	48.7	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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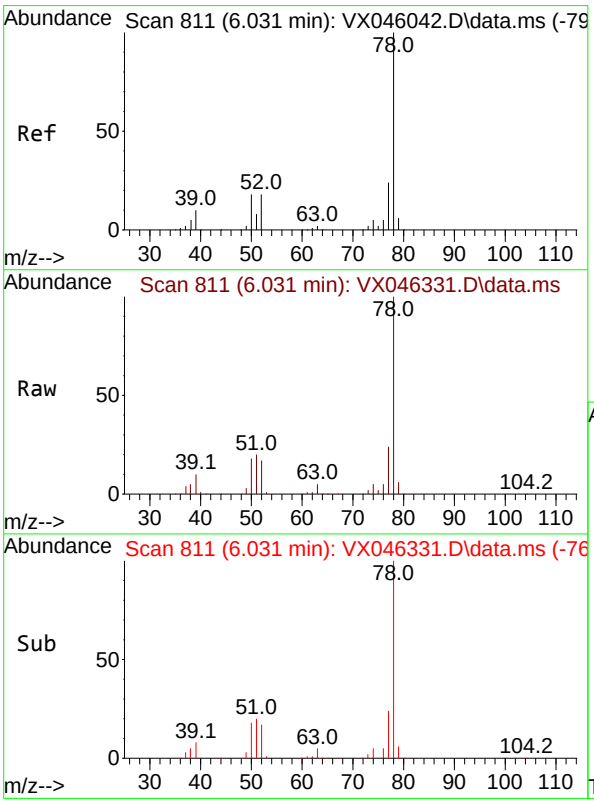
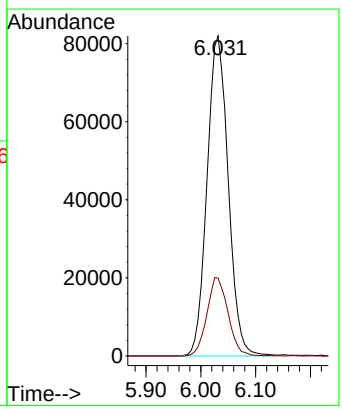
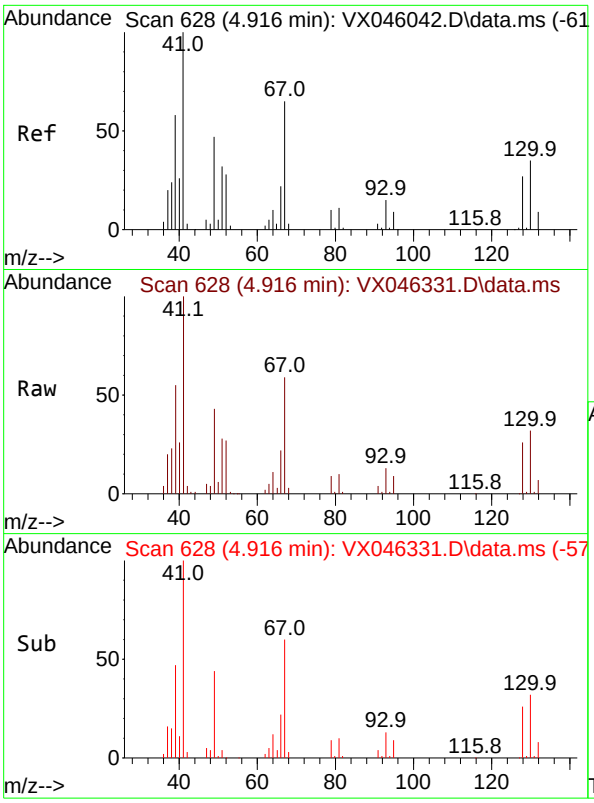


#40
Benzene
Concen: 50.133 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 78 Resp: 220133

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

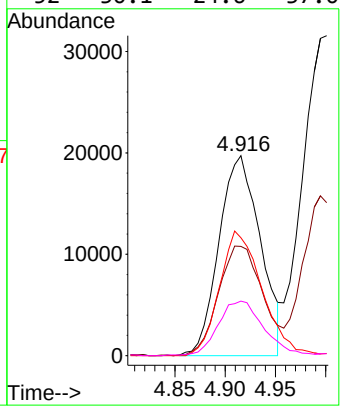




#41
Methacrylonitrile
Concen: 58.302 ug/l m
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 5648

Ion	Ratio	Lower	Upper
41	100		
39	59.4	47.2	70.8
67	64.1	50.7	76.1
52	30.1	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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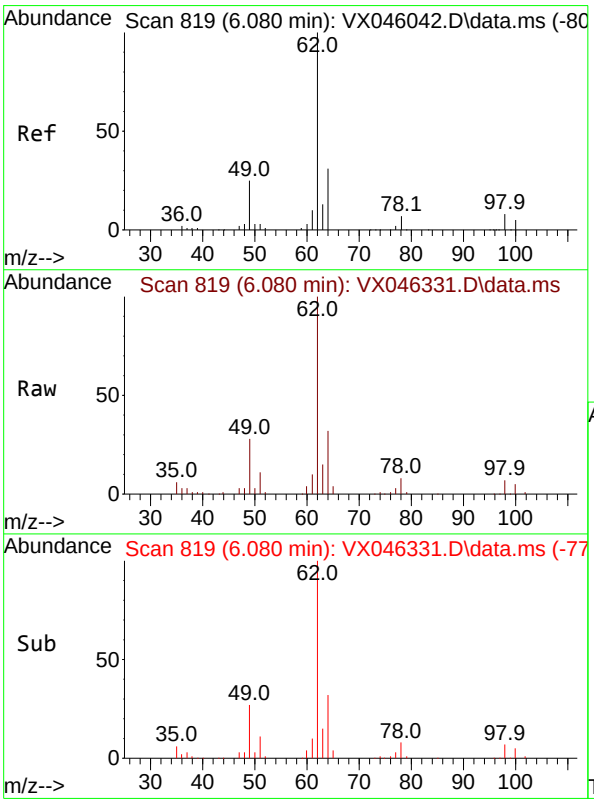
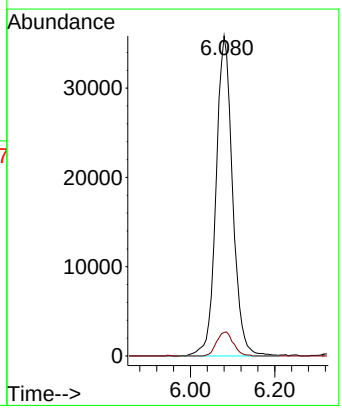
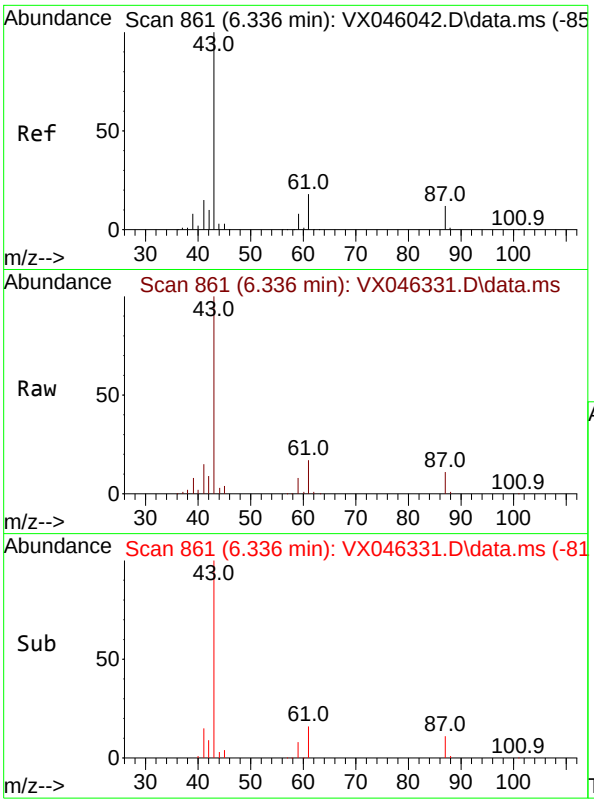


#42
1,2-Dichloroethane
Concen: 51.375 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 62 Resp: 97361

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 55.999 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 15822

Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.3	21.5
87	11.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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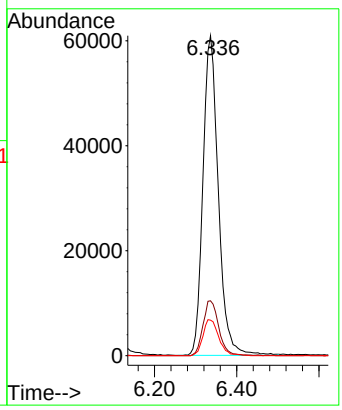
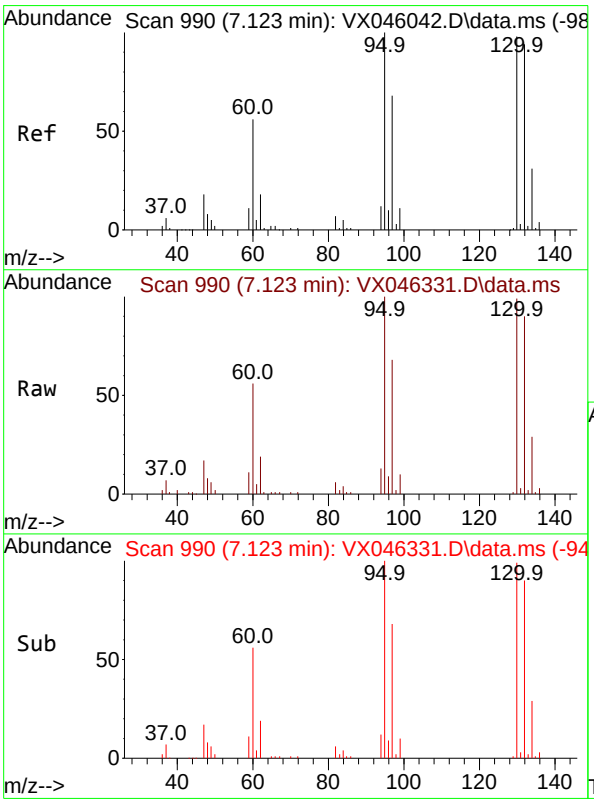
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

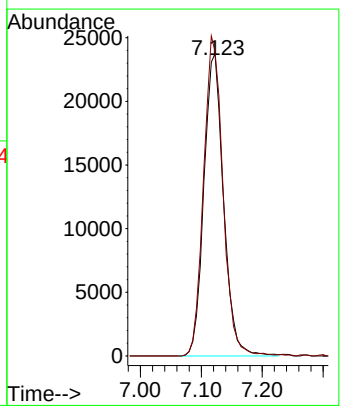


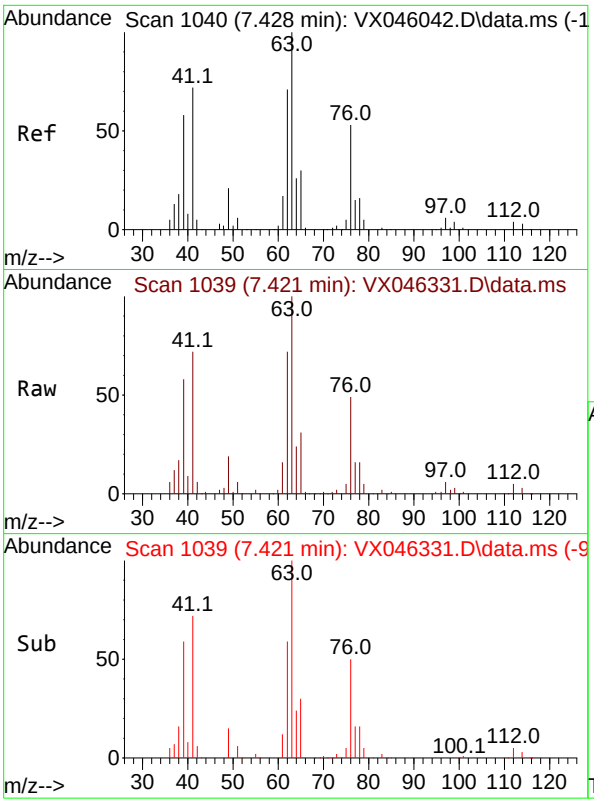


#44
Trichloroethene
Concen: 50.279 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:130 Resp: 53136

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	204.2





#45
1,2-Dichloropropane
Concen: 53.136 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 63 Resp: 5801

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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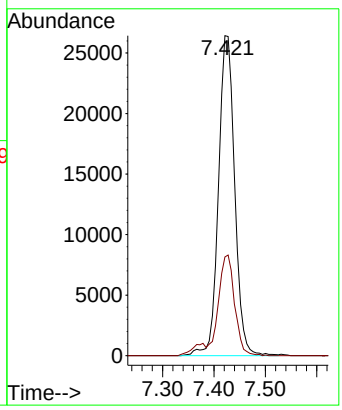
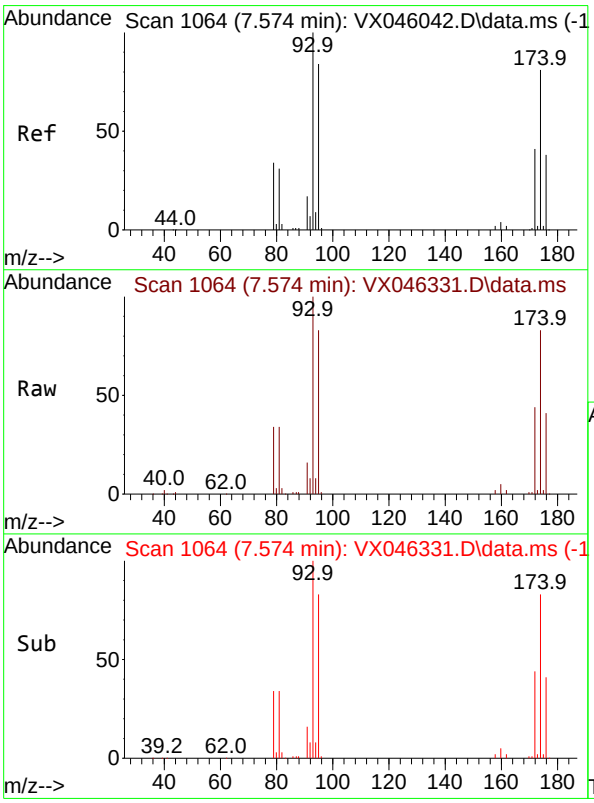
Supervised By :Mahesh Dadoda 05/26/2025

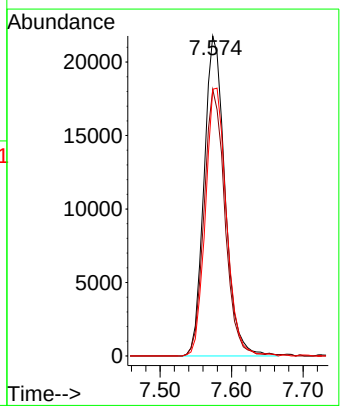


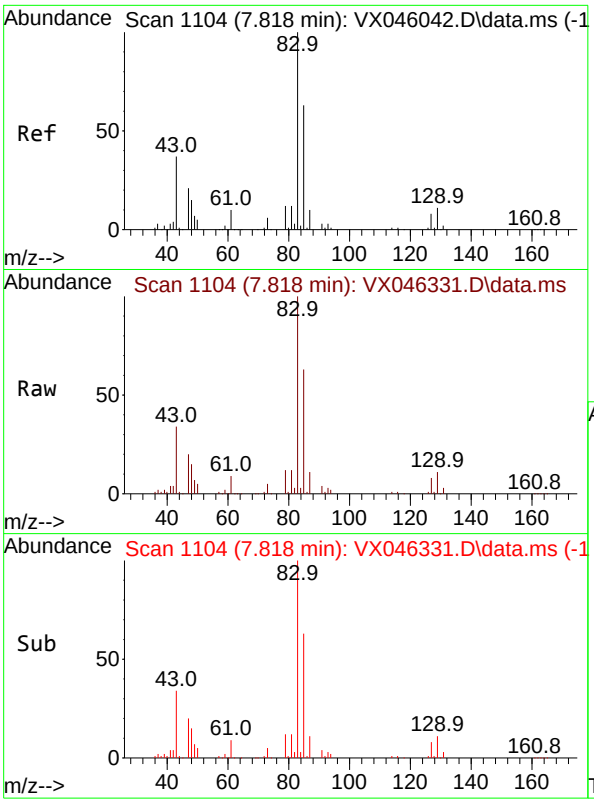


#46
Dibromomethane
Concen: 51.454 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 93 Resp: 44309

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.6	98.4
174	84.2	68.2	102.2

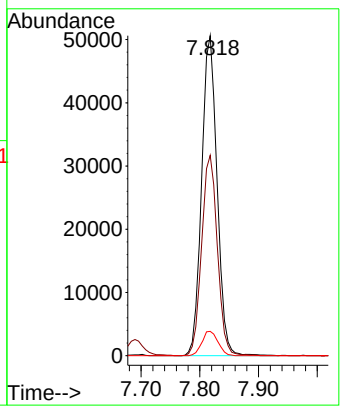




#47
Bromodichloromethane
Concen: 54.392 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 9225

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.5	75.7
127	7.6	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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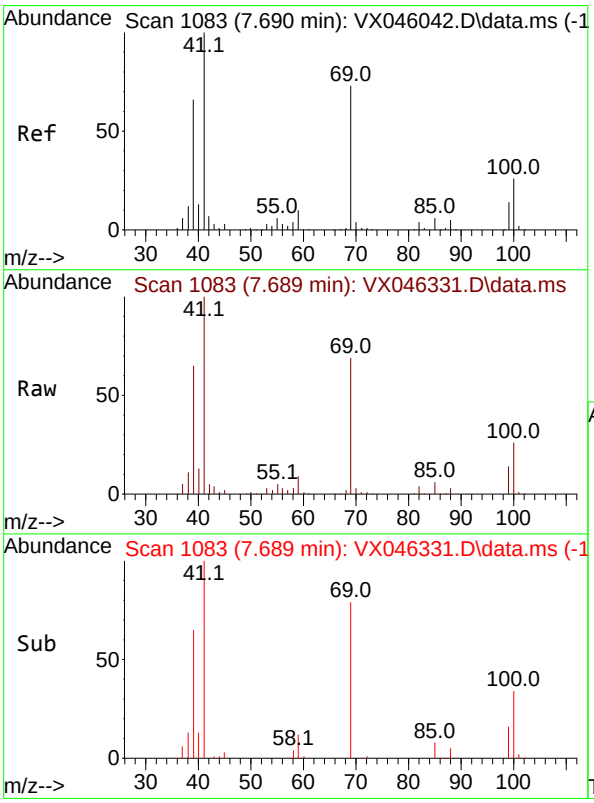
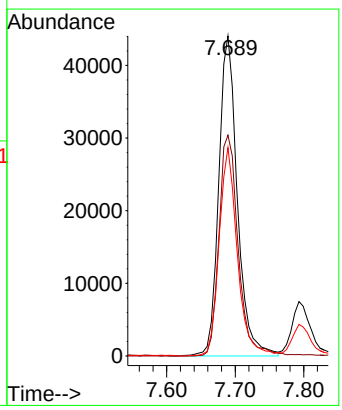
Supervised By :Mahesh Dadoda 05/26/2025

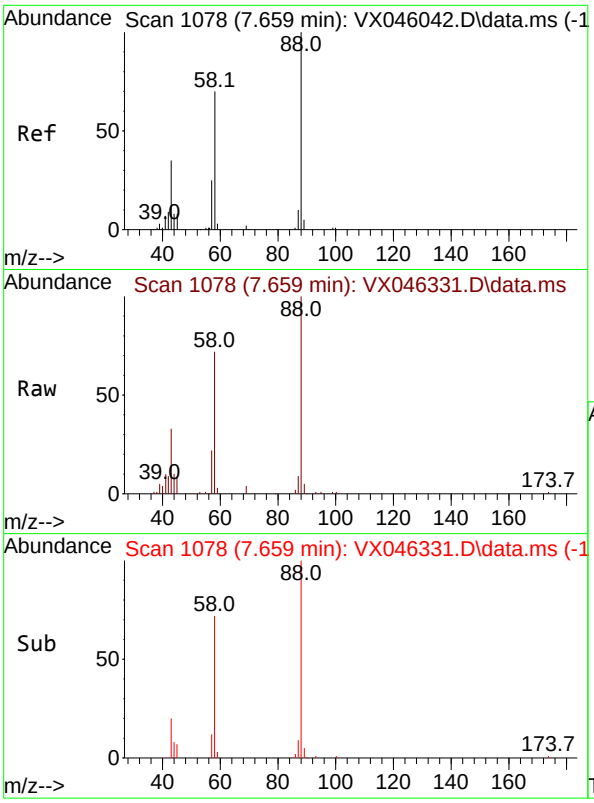


#48
Methyl methacrylate
Concen: 57.467 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 41 Resp: 82925

Ion	Ratio	Lower	Upper
41	100		
69	72.0	58.5	87.7
39	63.5	51.7	77.5

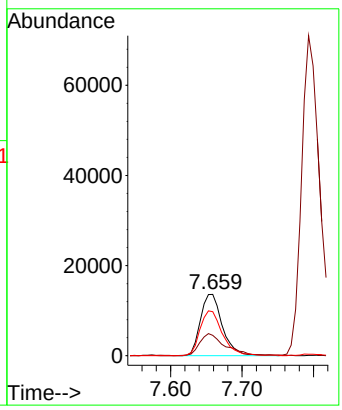




#49
1,4-Dioxane
Concen: 1053.147 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 88 Resp: 2885

Ion	Ratio	Lower	Upper
88	100		
43	42.3	33.4	50.2
58	74.9	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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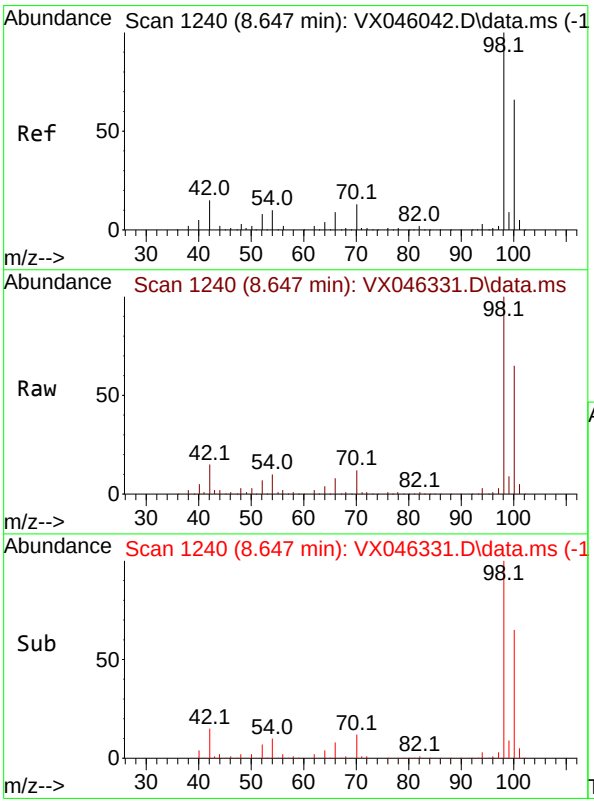
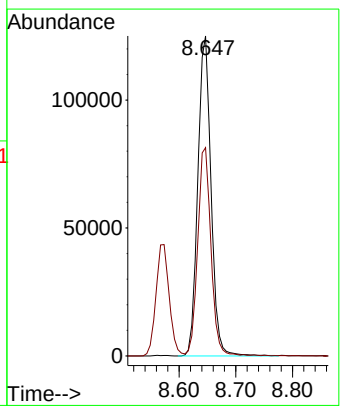
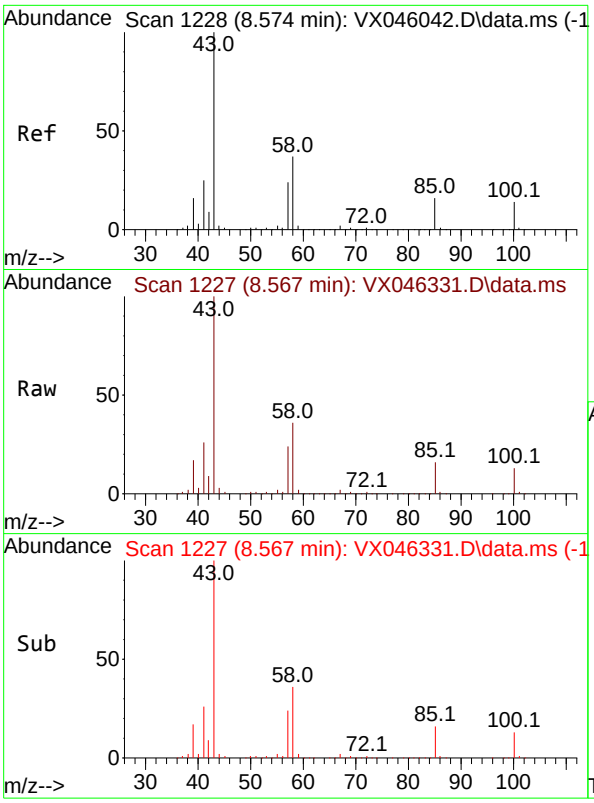


#50
Toluene-d8
Concen: 52.423 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 98 Resp: 202439

Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.5	80.3

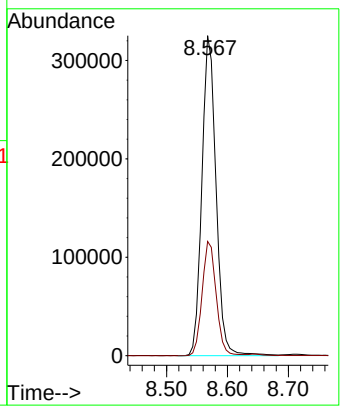




#51
4-Methyl-2-Pentanone
Concen: 279.753 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 52468

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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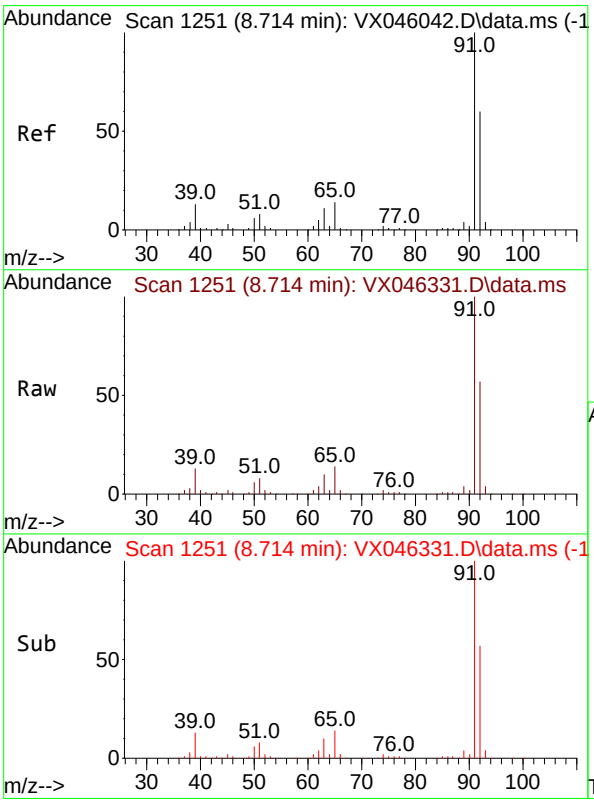
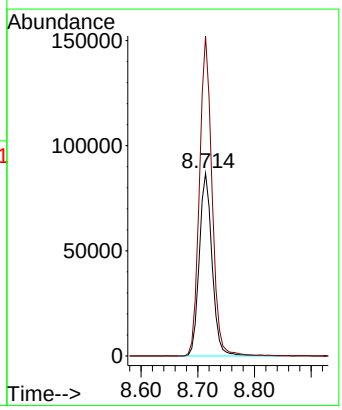
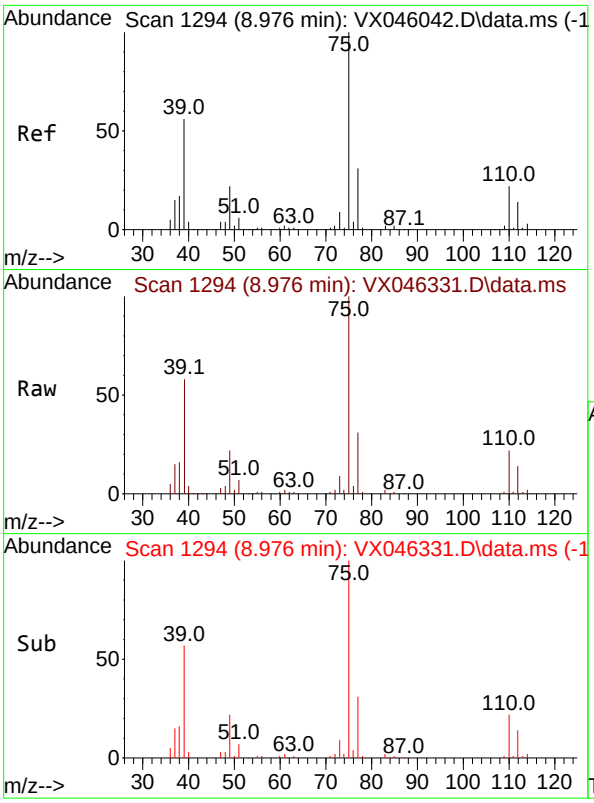


#52
Toluene
Concen: 50.537 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 92 Resp: 136068

Ion	Ratio	Lower	Upper
92	100		
91	172.1	136.6	205.0

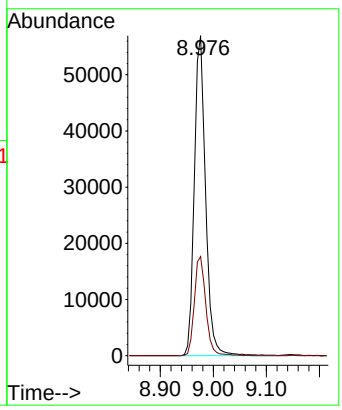




#53
t-1,3-Dichloropropene
Concen: 55.750 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 8404

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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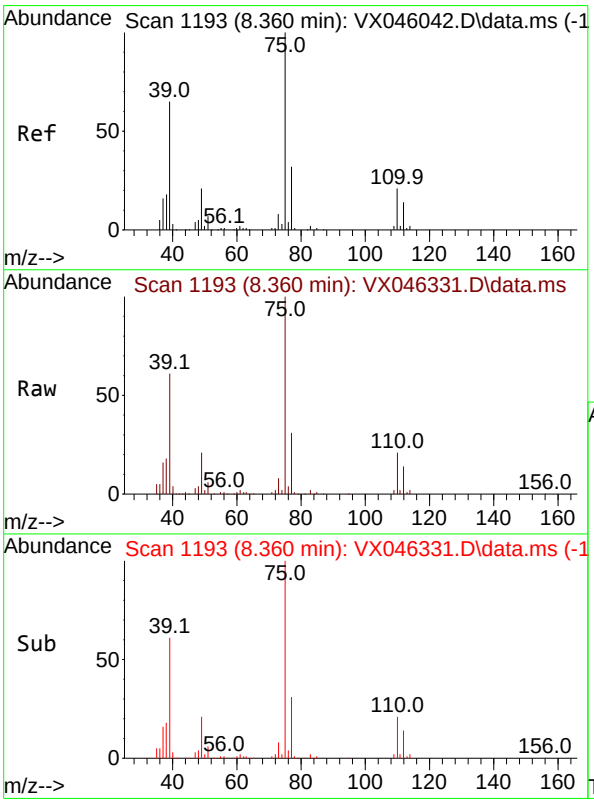
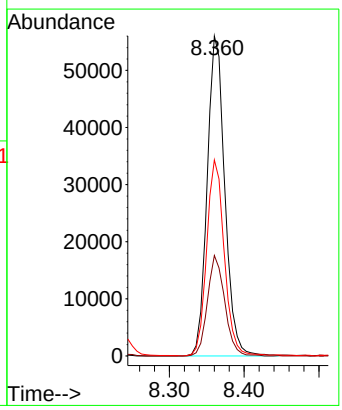
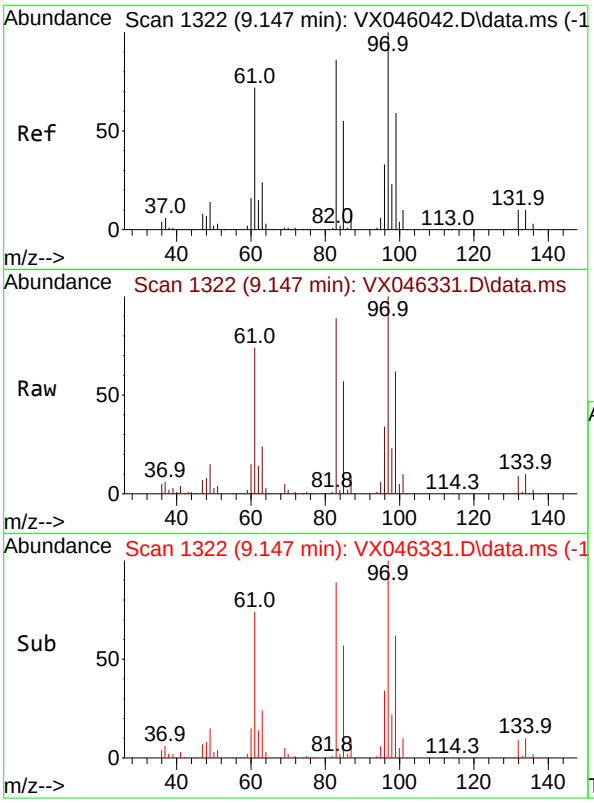


#54
cis-1,3-Dichloropropene
Concen: 54.982 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 91612

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	61.1	52.2	78.4

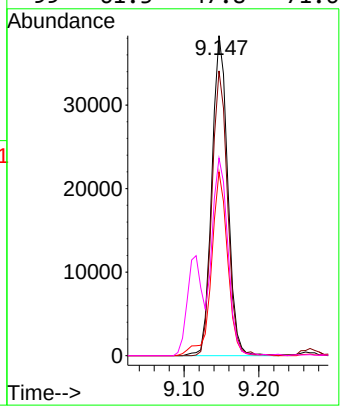




#55
1,1,2-Trichloroethane
Concen: 53.371 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 97 Resp: 5666

Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.0	103.6
85	57.5	44.3	66.5
99	61.3	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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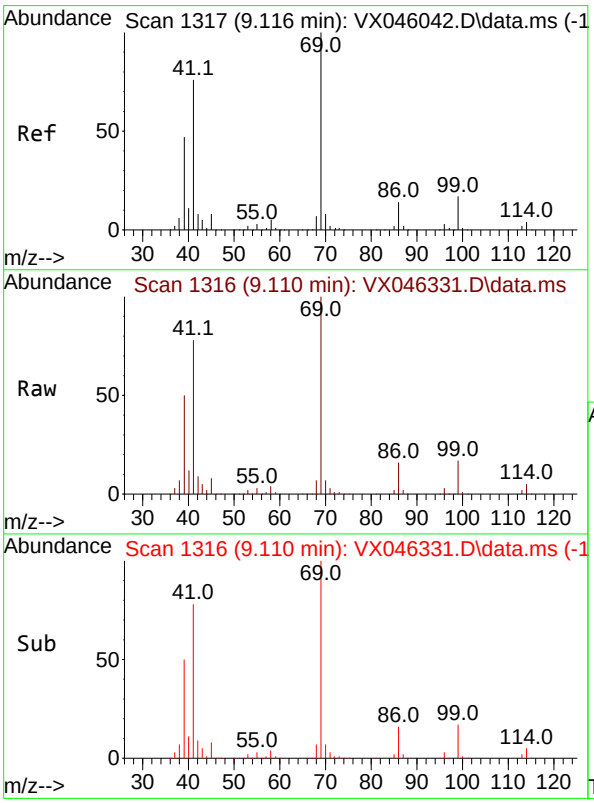
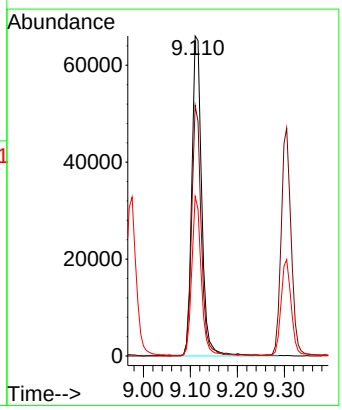
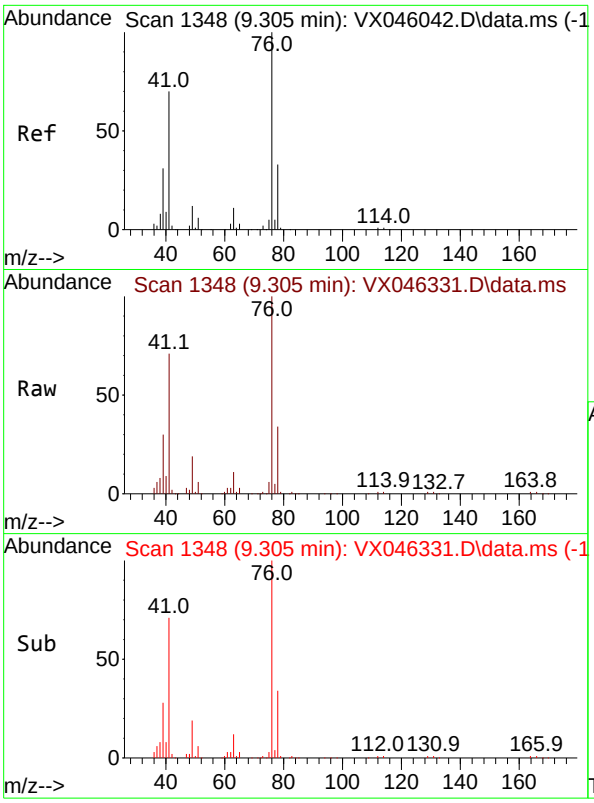


#56
Ethyl methacrylate
Concen: 57.619 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 69 Resp: 97493

Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.8	91.2
39	47.4	39.0	58.6





#57
1,3-Dichloropropane
Concen: 51.895 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 76 Resp: 9894

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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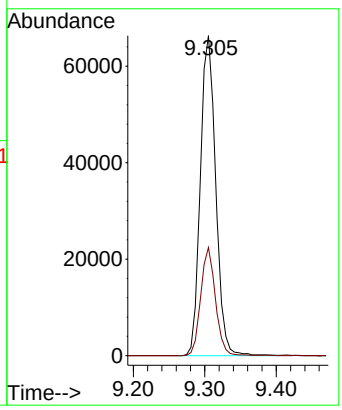
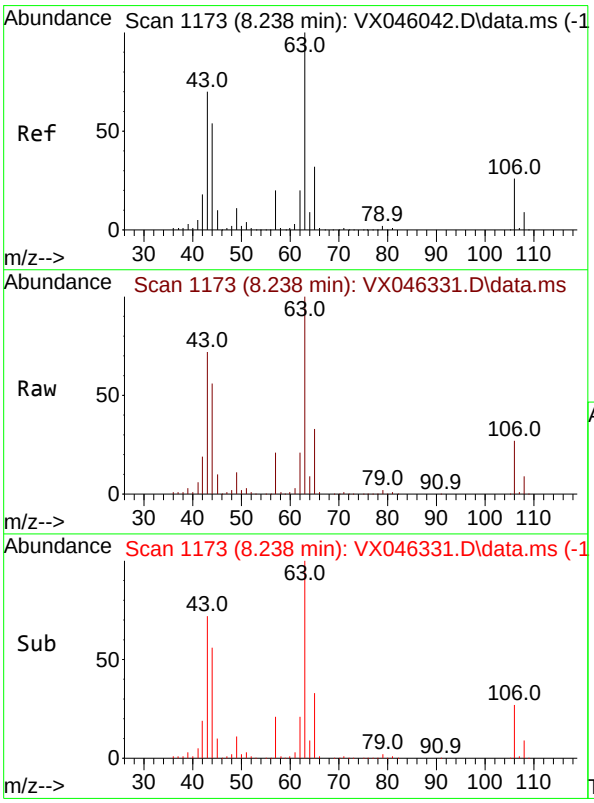
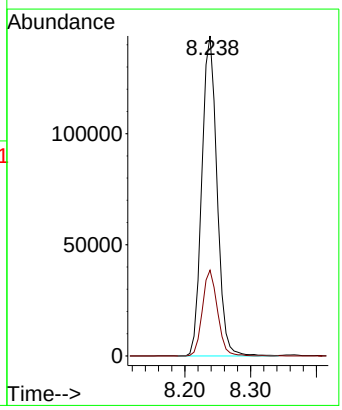


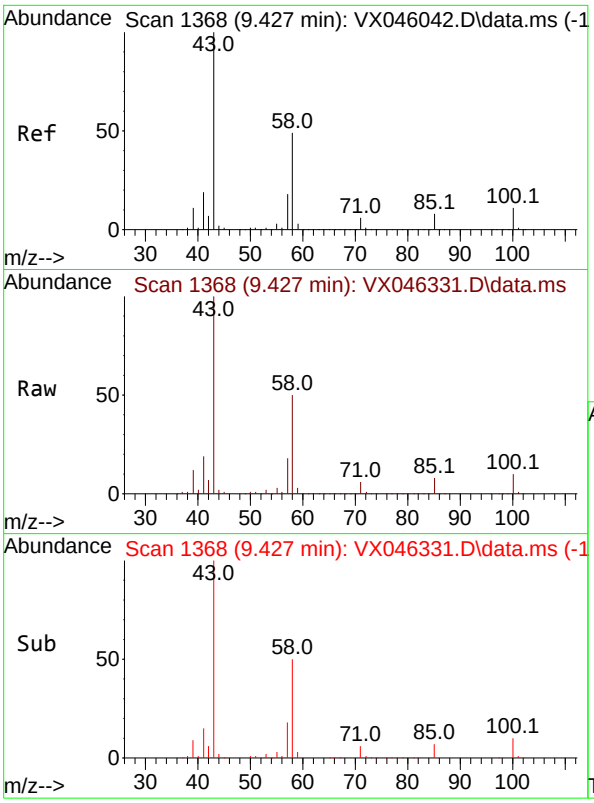


#58
2-Chloroethyl Vinyl ether
Concen: 268.416 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 63 Resp: 231542

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3





#59
2-Hexanone
Concen: 285.172 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 39570

Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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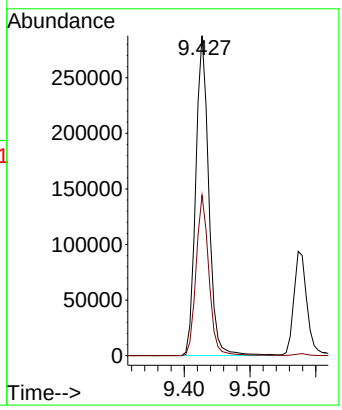
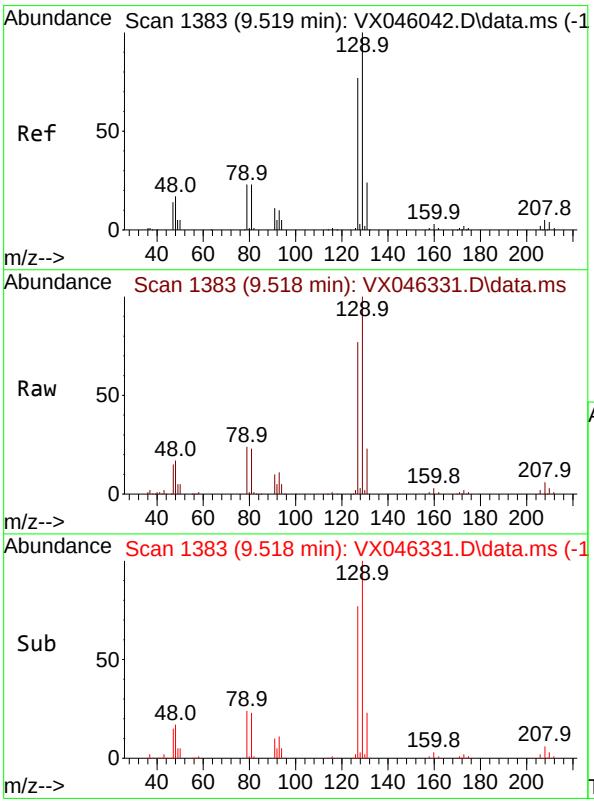
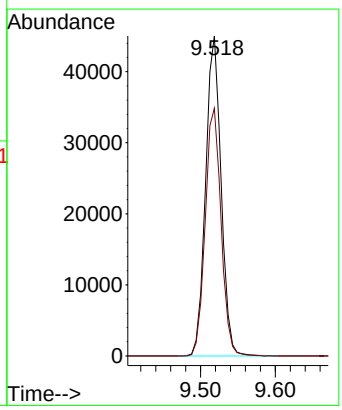


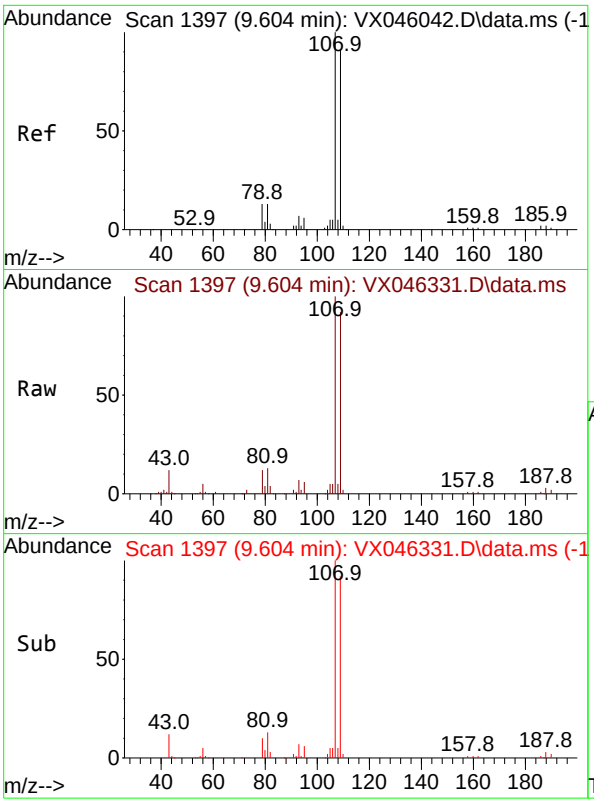


#60
Dibromochloromethane
Concen: 55.399 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:129 Resp: 64591

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.3	117.8





#61
1,2-Dibromoethane
Concen: 52.931 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:107 Resp: 5840

Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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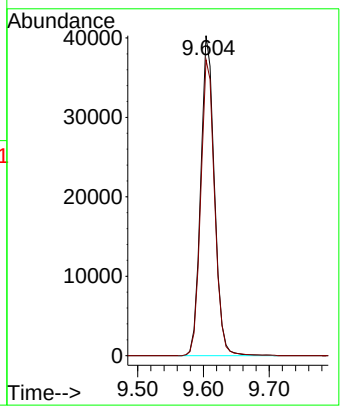
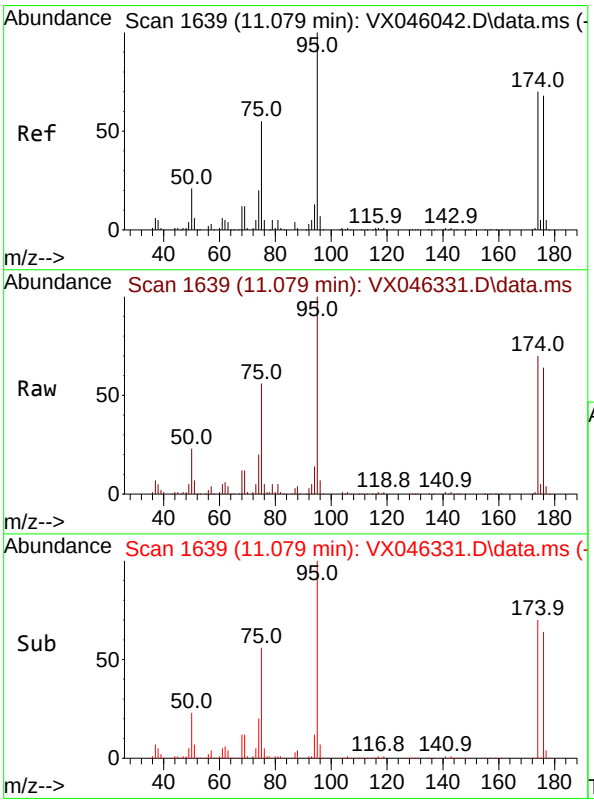
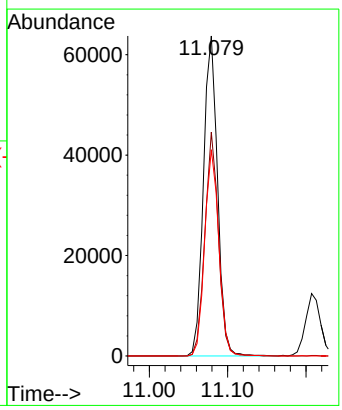


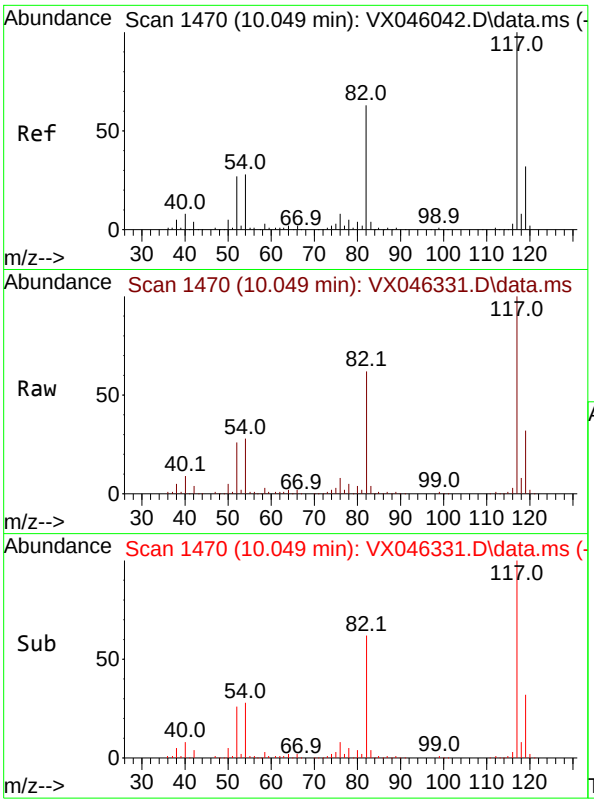


#62
4-Bromofluorobenzene
Concen: 53.716 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 95 Resp: 79568

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	135.8
176	64.6	0.0	131.4

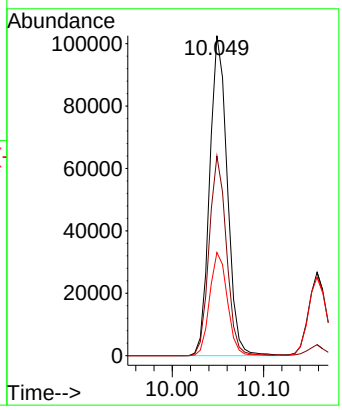




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 13712

Ion	Ratio	Lower	Upper
117	100		
82	62.4	50.6	76.0
119	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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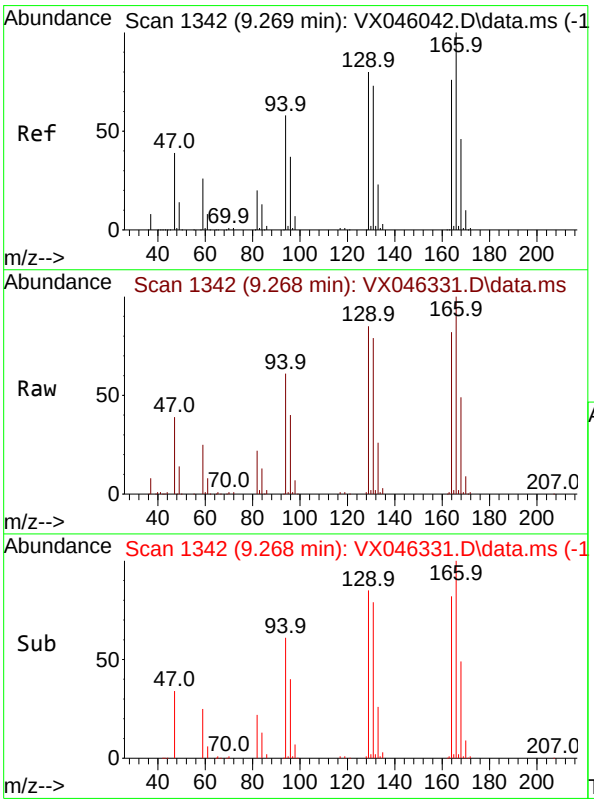
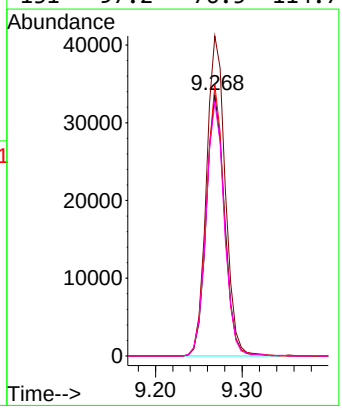
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

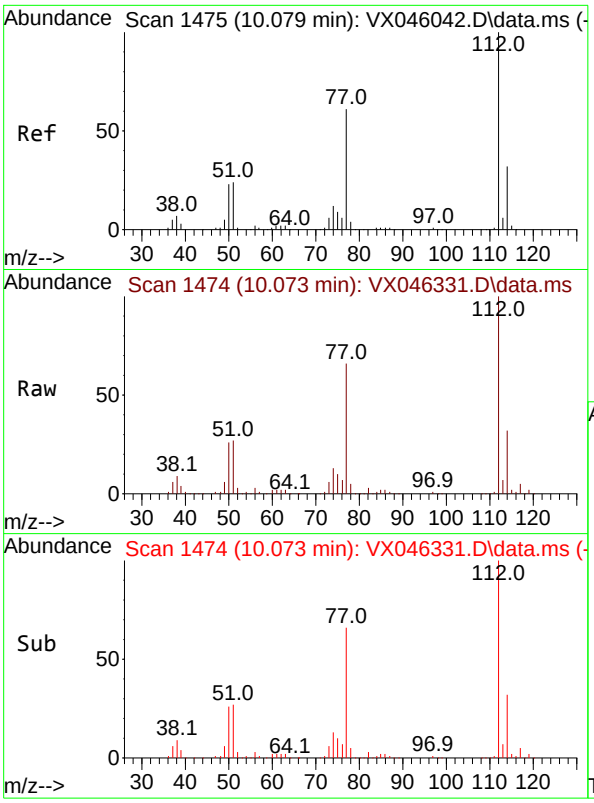


#64
Tetrachloroethene
Concen: 50.481 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:164 Resp: 48977

Ion	Ratio	Lower	Upper
164	100		
166	122.6	105.0	157.6
129	103.9	83.5	125.3
131	97.2	76.5	114.7





#65
Chlorobenzene
Concen: 49.525 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:112 Resp: 14863

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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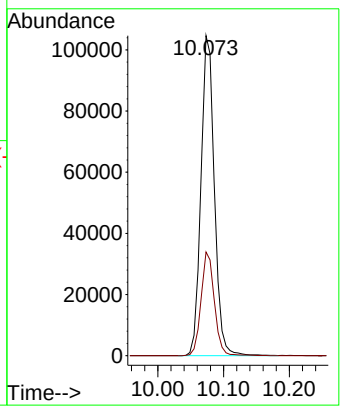
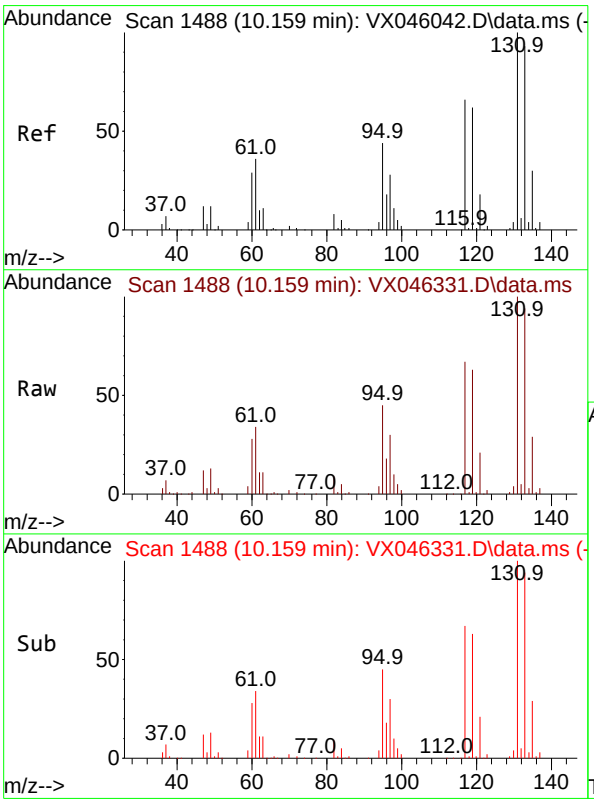
Supervised By :Mahesh Dadoda 05/26/2025

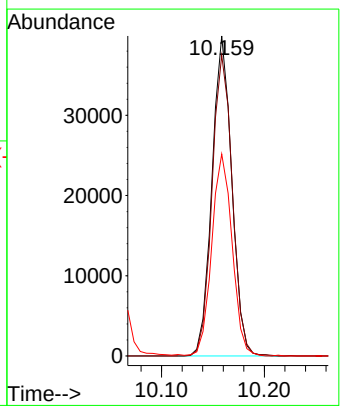


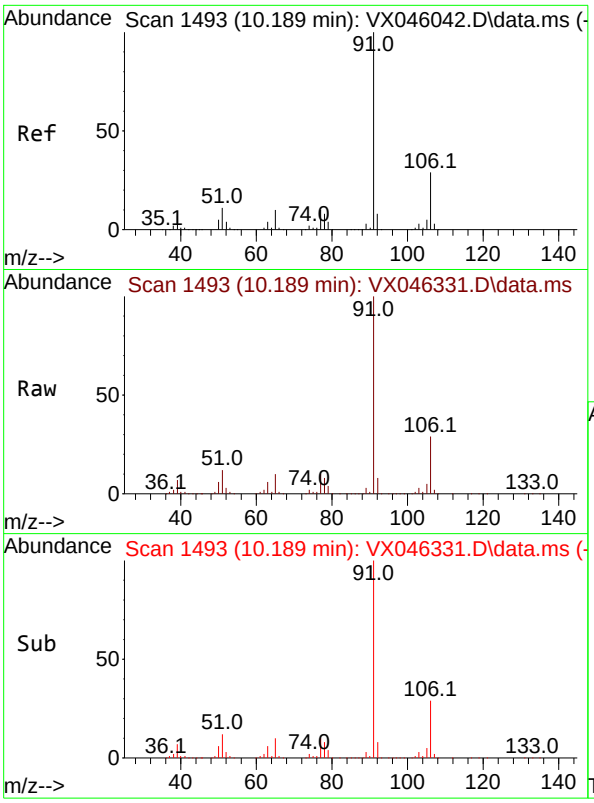


#66
1,1,1,2-Tetrachloroethane
Concen: 52.010 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:131 Resp: 53302

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	141.9
119	64.8	31.6	95.0

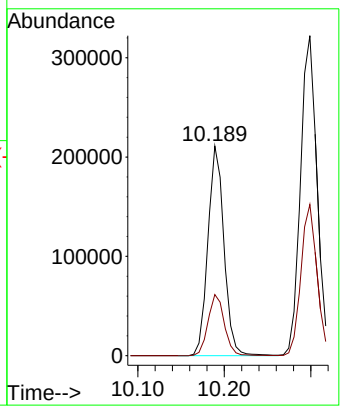




#67
Ethyl Benzene
Concen: 51.457 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 27223

Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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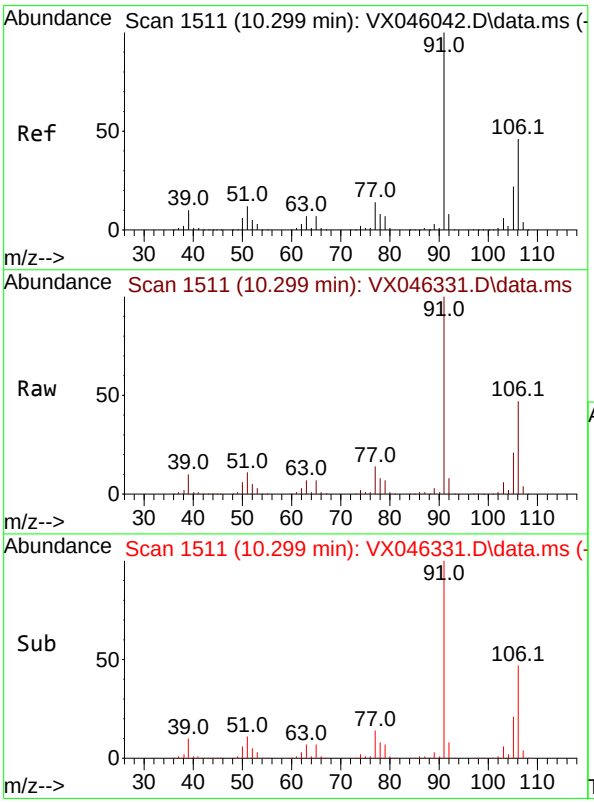
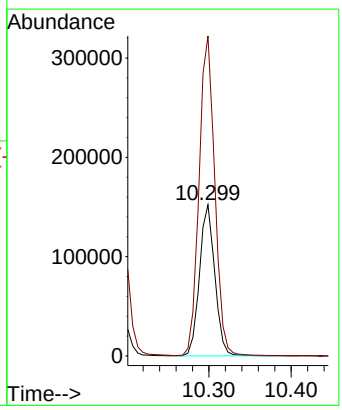
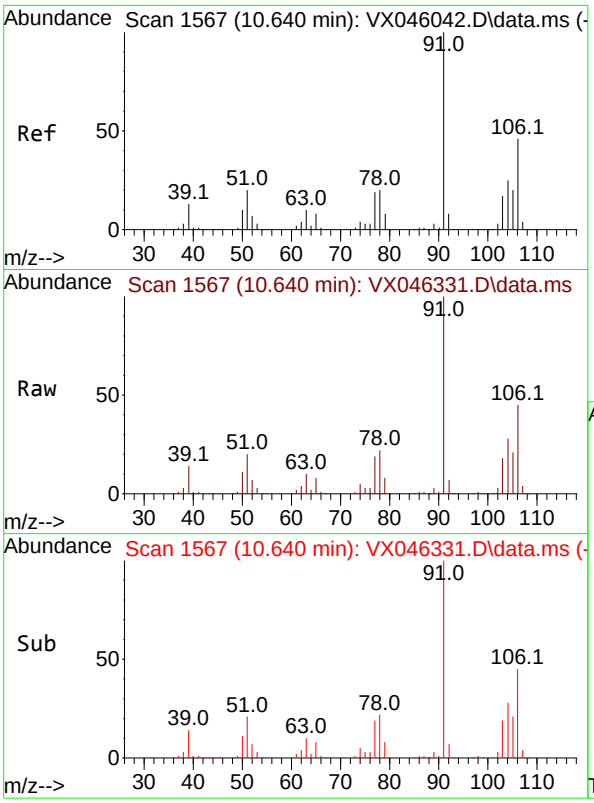


#68
m/p-Xylenes
Concen: 101.954 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:106 Resp: 197275

Ion	Ratio	Lower	Upper
106	100		
91	217.8	171.2	256.8

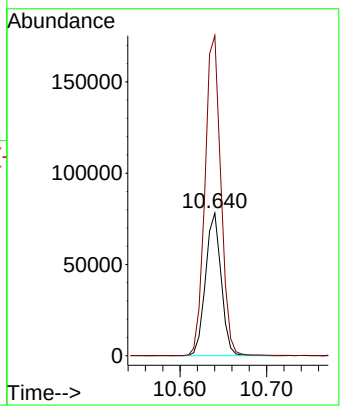




#69
o-Xylene
Concen: 51.899 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:106 Resp: 9790

Ion	Ratio	Lower	Upper
106	100		
91	229.1	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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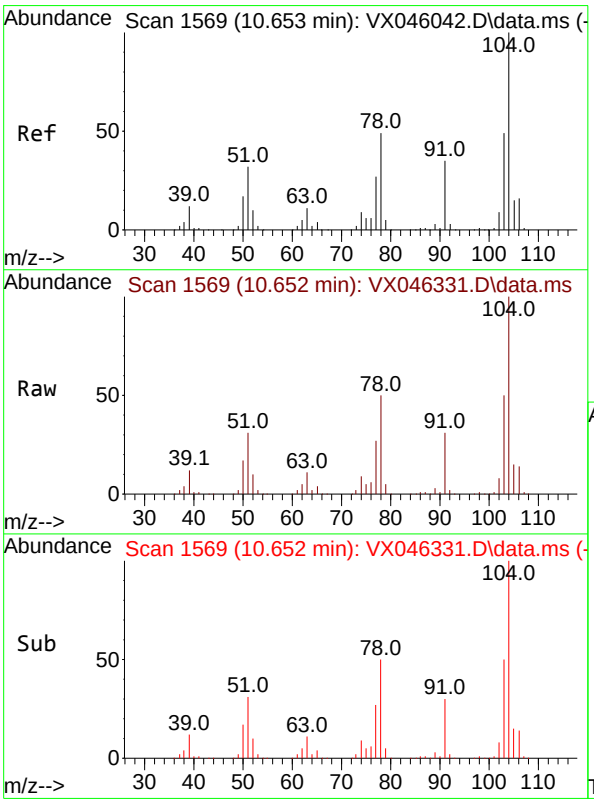
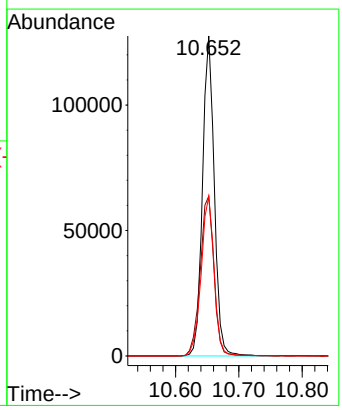
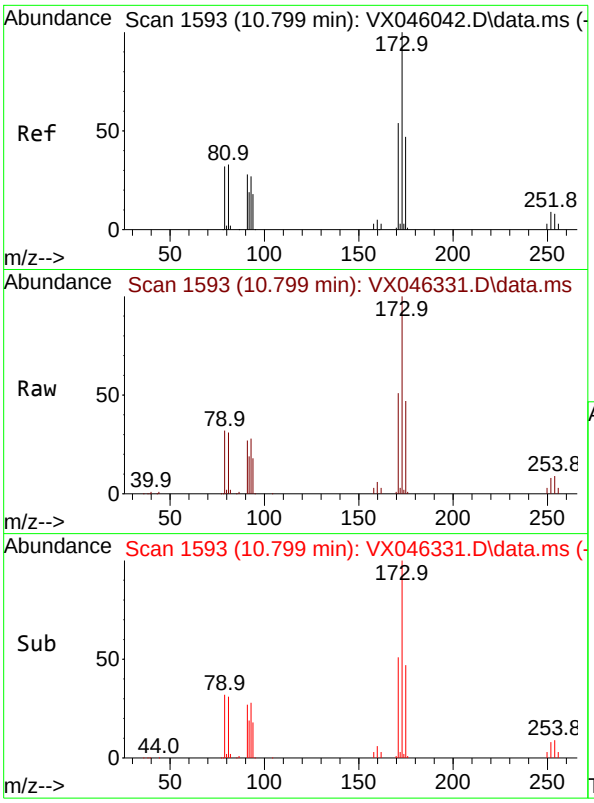


#70
Styrene
Concen: 53.599 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:104 Resp: 165627

Ion	Ratio	Lower	Upper
104	100		
78	58.1	45.7	68.5
103	55.3	43.7	65.5

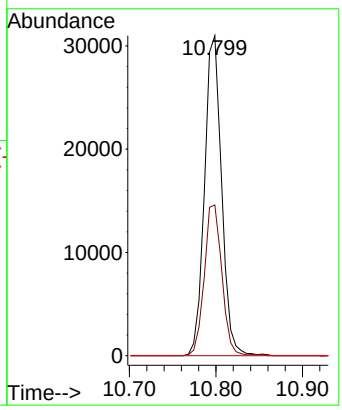




#71
Bromoform
Concen: 55.224 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:173 Resp: 4249

Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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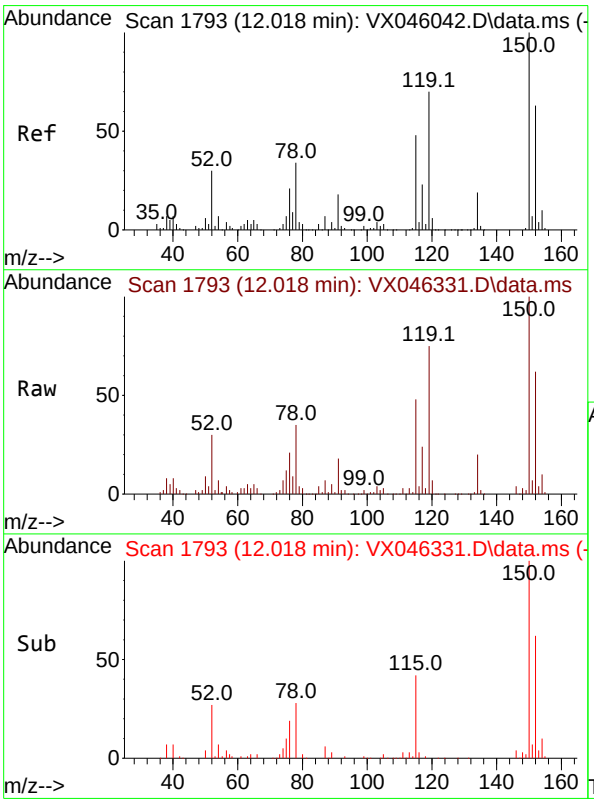
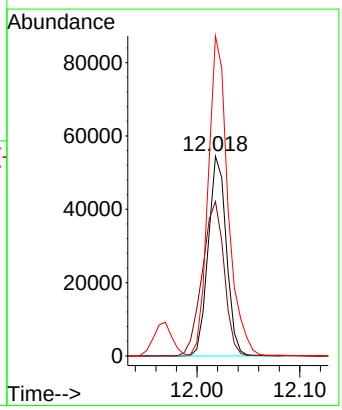
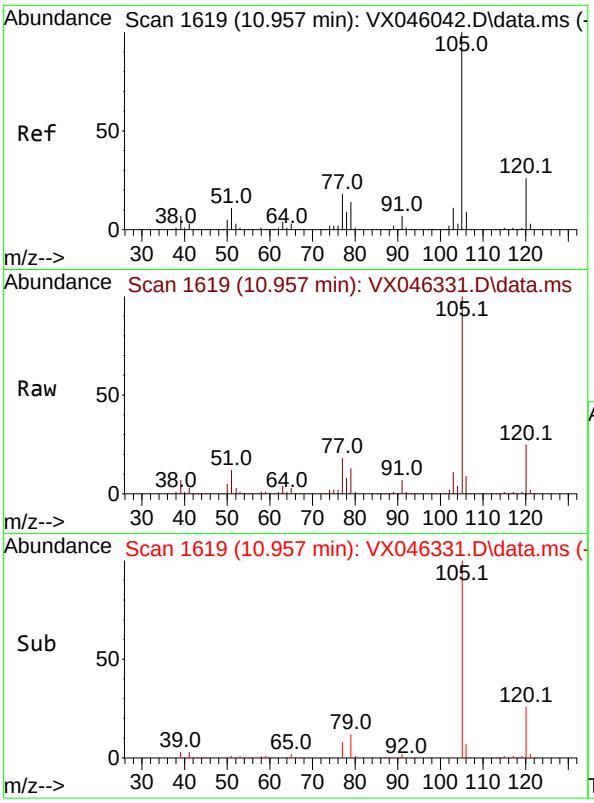


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:152 Resp: 66629

Ion	Ratio	Lower	Upper
152	100		
115	93.5	46.9	140.7
150	175.2	0.0	351.0





#73
Isopropylbenzene
Concen: 51.196 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:105 Resp: 26556

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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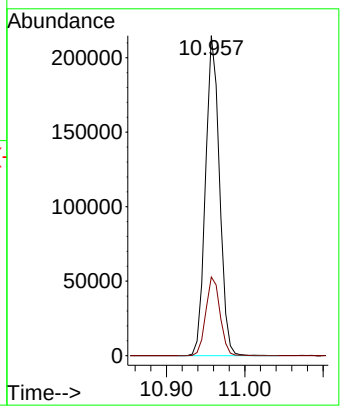
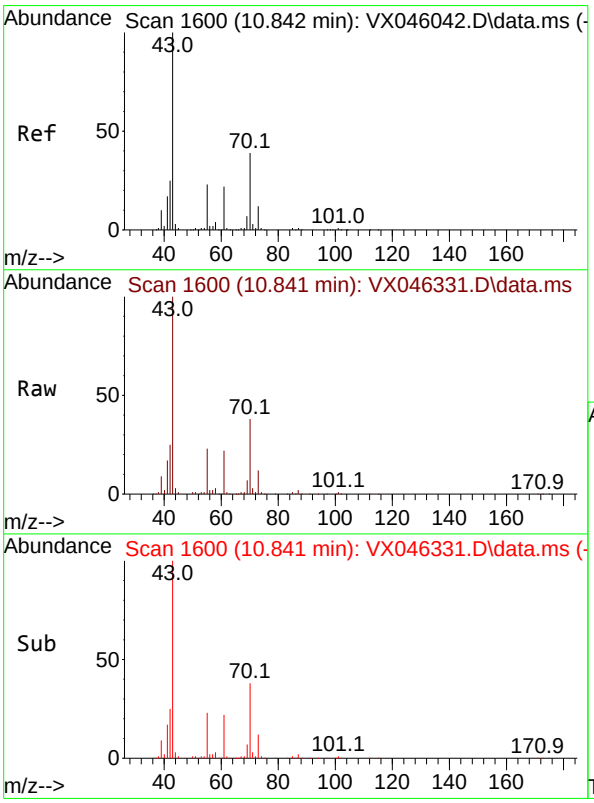
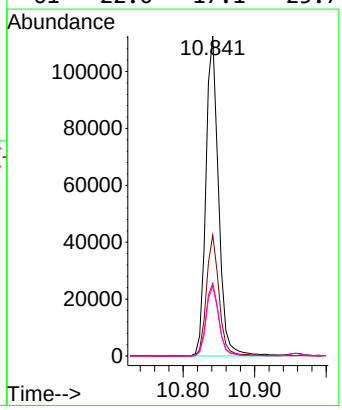


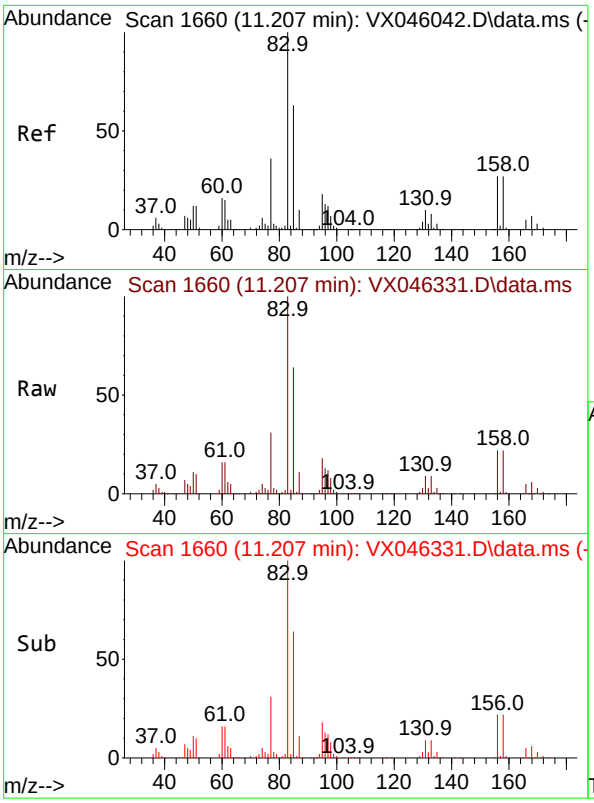


#74
N-amyl acetate
Concen: 54.091 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 43 Resp: 138648

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.9	46.3
55	23.4	18.7	28.1
61	22.0	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 50.066 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 83 Resp: 9101

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.5	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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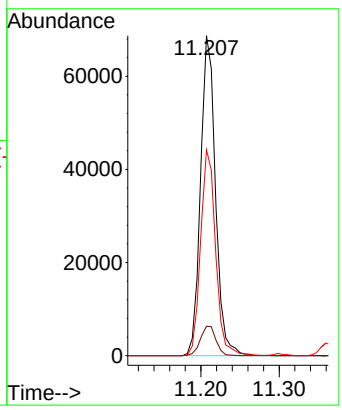
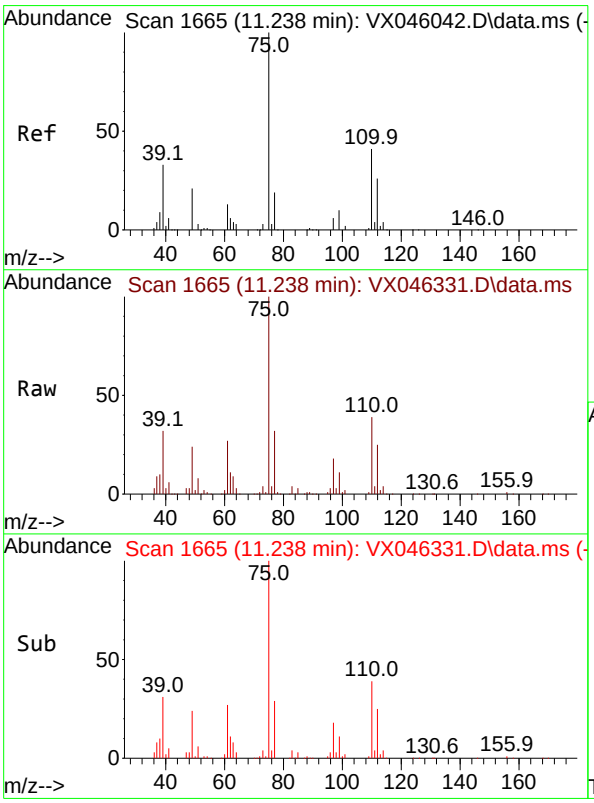
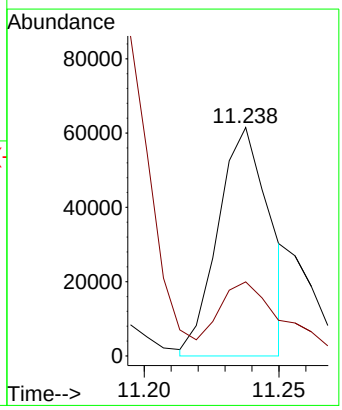


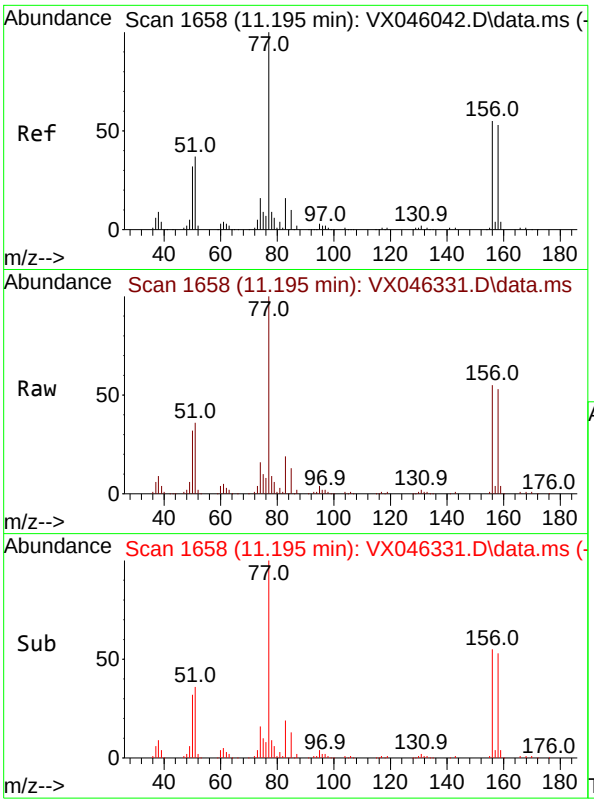


#76
1,2,3-Trichloropropane
Concen: 51.027 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 81837

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.5	61.5





#77
Bromobenzene
Concen: 49.441 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:156 Resp: 5954

Ion	Ratio	Lower	Upper
156	100		
77	185.1	92.8	278.3
158	97.2	48.8	146.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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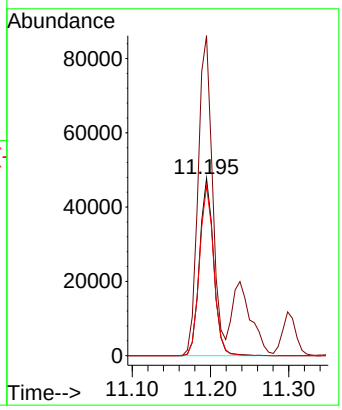
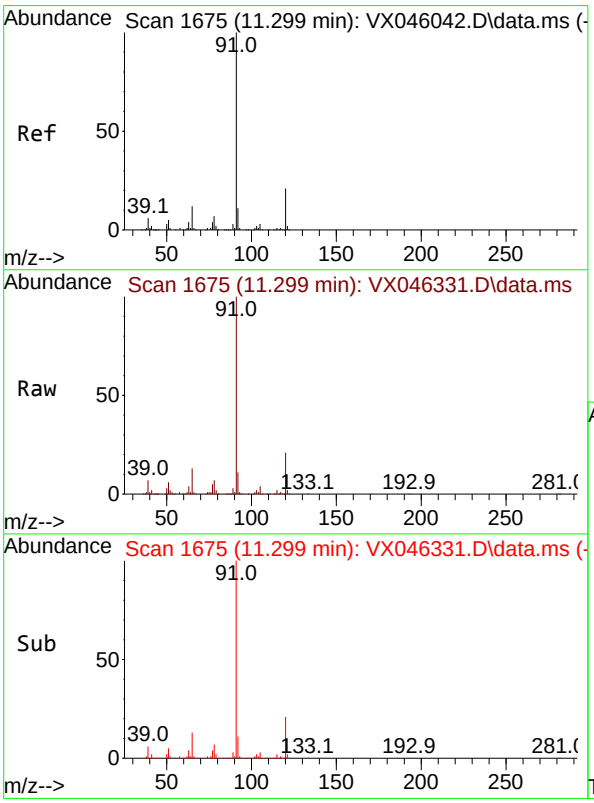
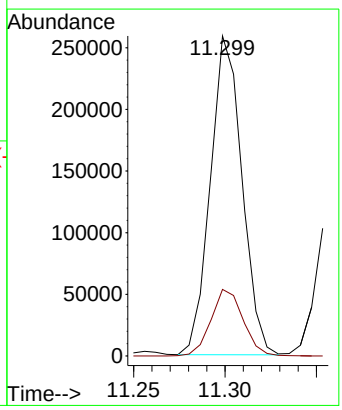


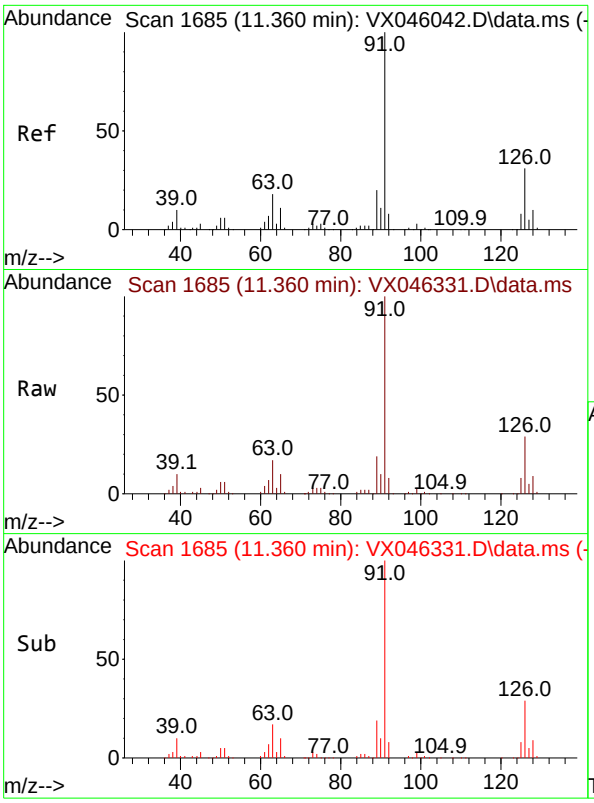


#78
n-propylbenzene
Concen: 51.673 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 311660

Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.4





#79
2-Chlorotoluene
Concen: 49.128 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 19112

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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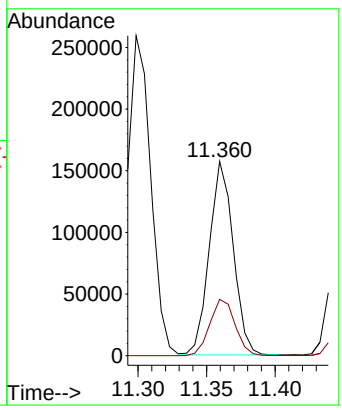
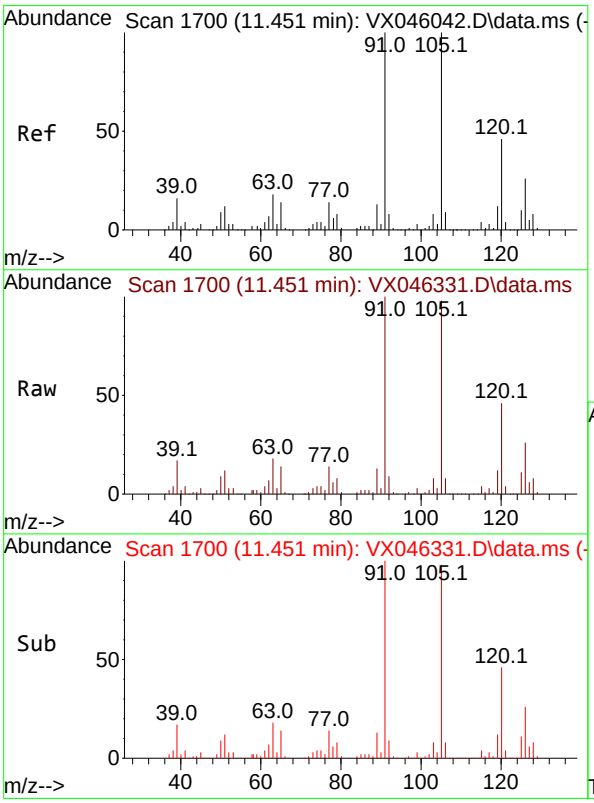
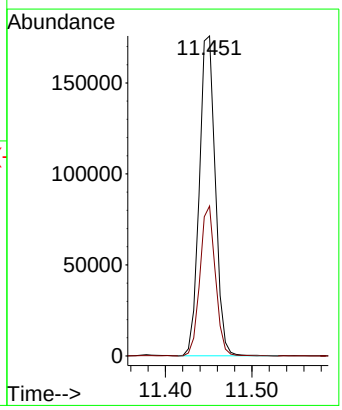


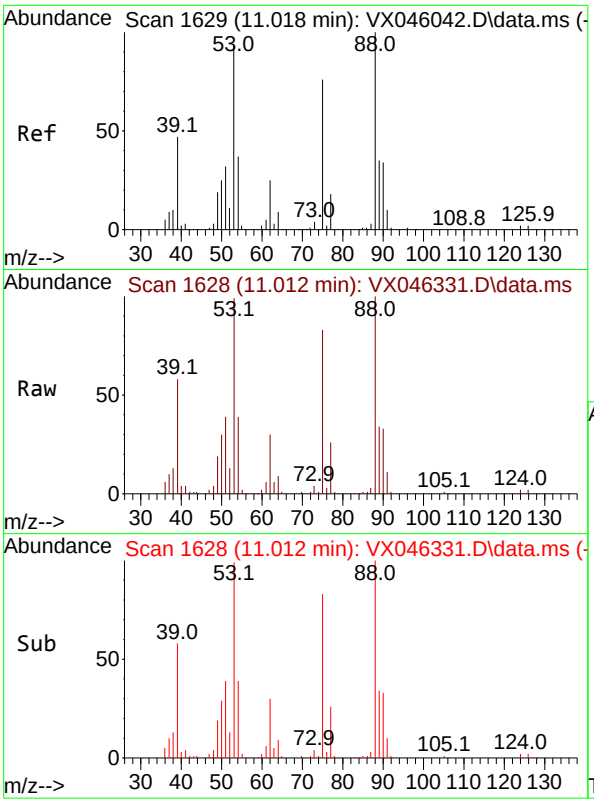


#80
1,3,5-Trimethylbenzene
Concen: 51.877 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:105 Resp: 224812

Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 54.814 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

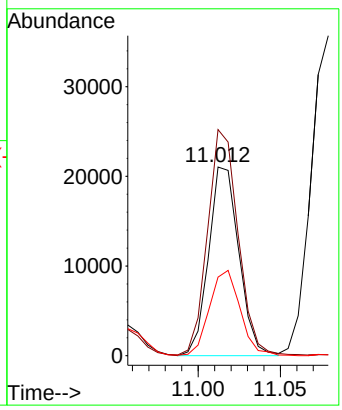
Tgt Ion: 75 Resp: 2700

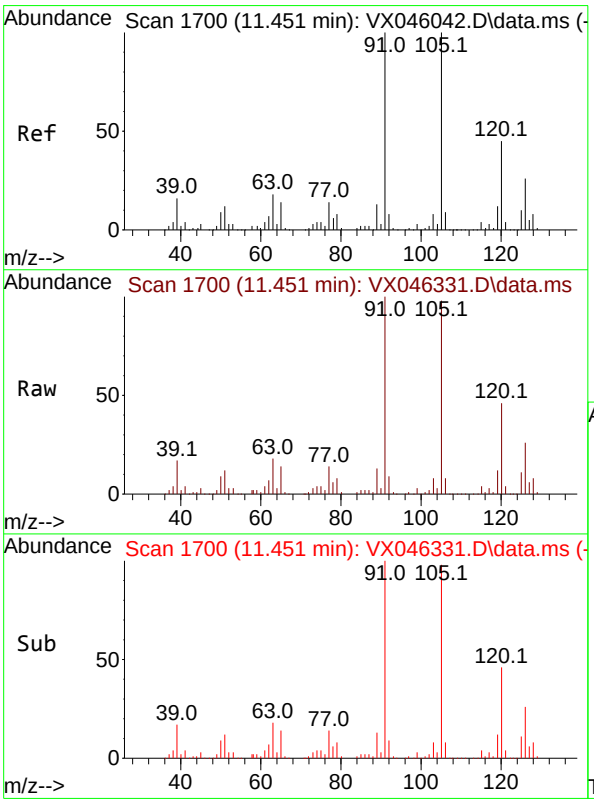
Ion	Ratio	Lower	Upper
75	100		
53	121.3	100.5	150.7
89	45.7	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

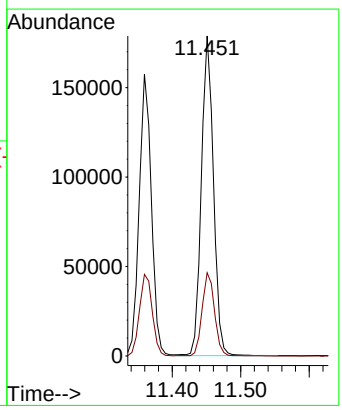


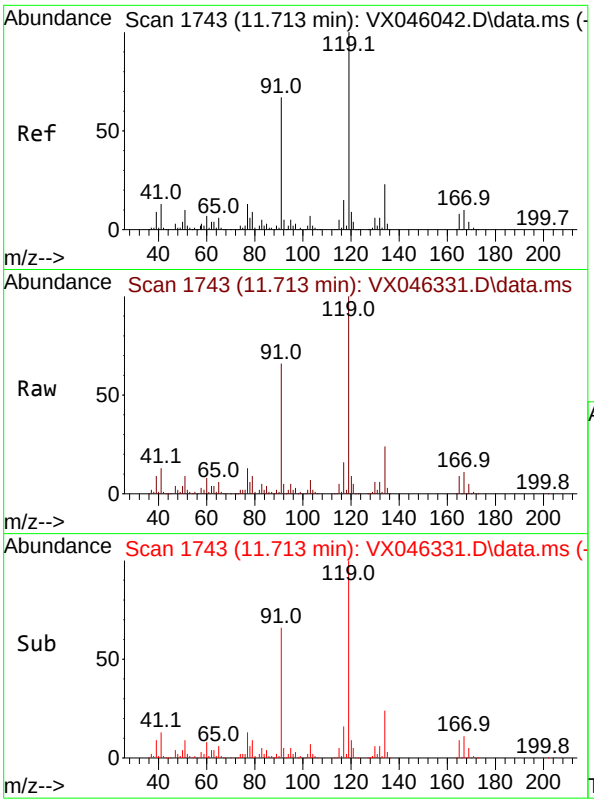


#82
4-Chlorotoluene
Concen: 50.910 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 219638

Ion	Ratio	Lower	Upper
91	100		
126	26.8	13.3	39.8





#83
tert-Butylbenzene
Concen: 50.888 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

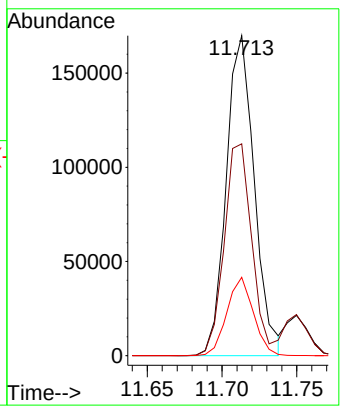
Tgt Ion:119 Resp: 22213

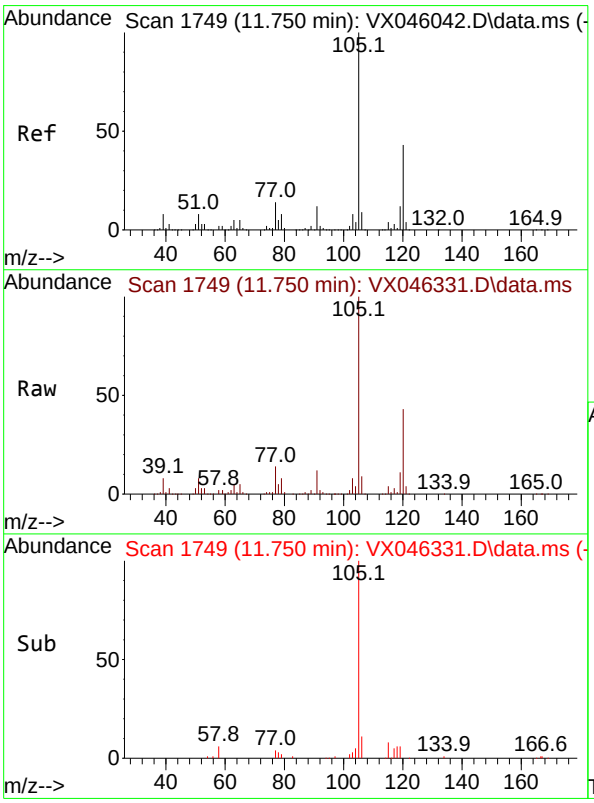
Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.9	98.7
134	23.1	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

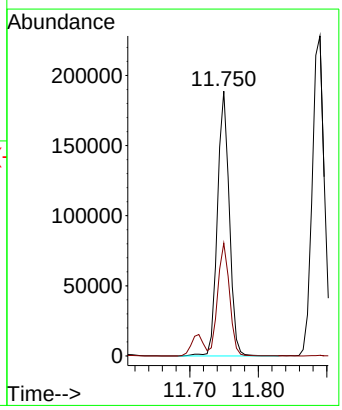


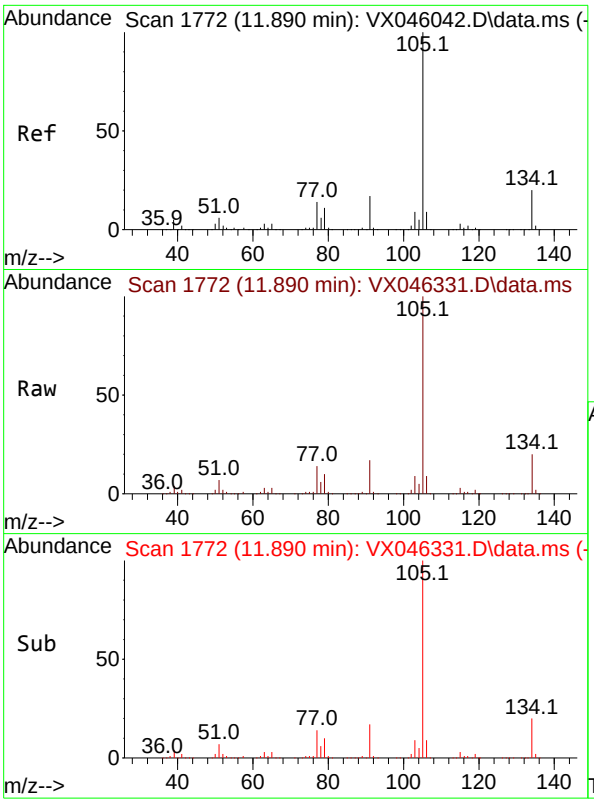


#84
1,2,4-Trimethylbenzene
Concen: 51.438 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:105 Resp: 225740

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6





#85
sec-Butylbenzene
Concen: 52.265 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

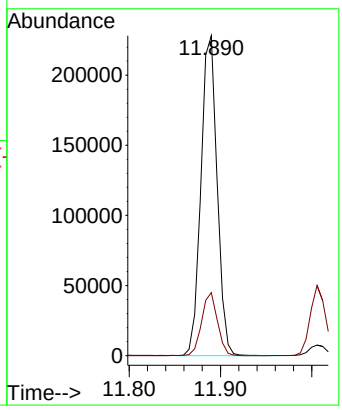
Tgt Ion:105 Resp: 28012

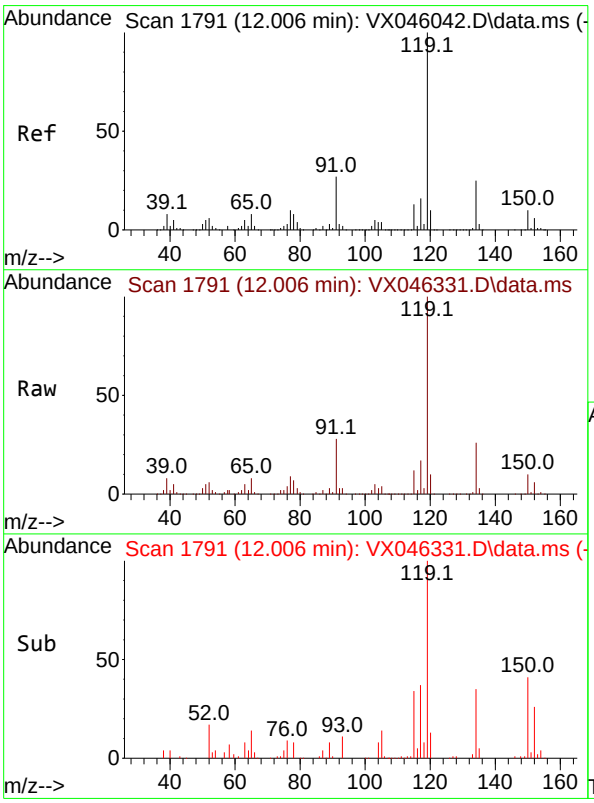
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

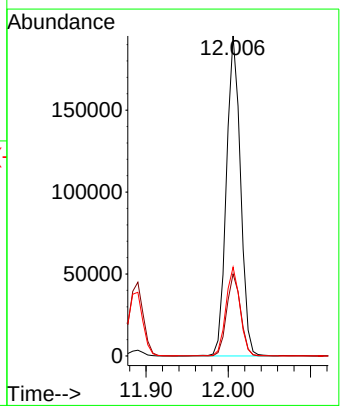


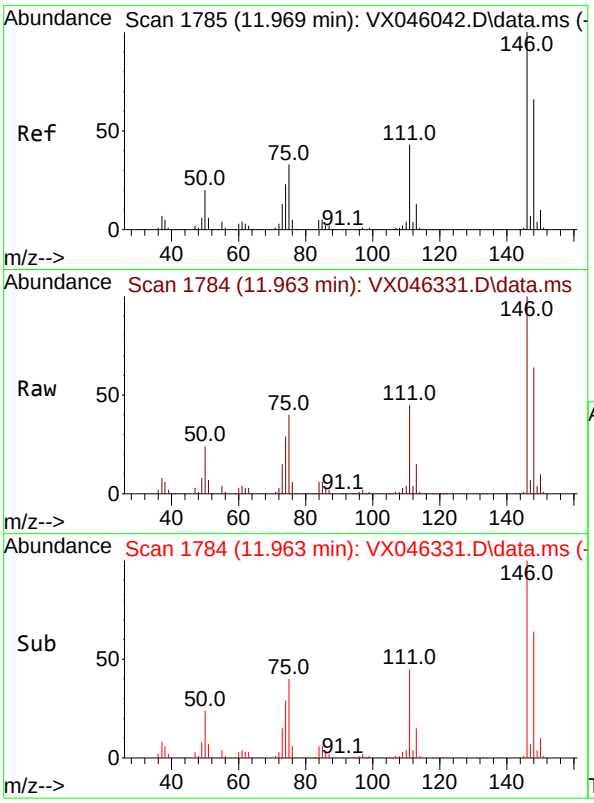


#86
p-Isopropyltoluene
Concen: 52.479 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:119 Resp: 232168

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.5	37.5
91	27.5	13.8	41.4

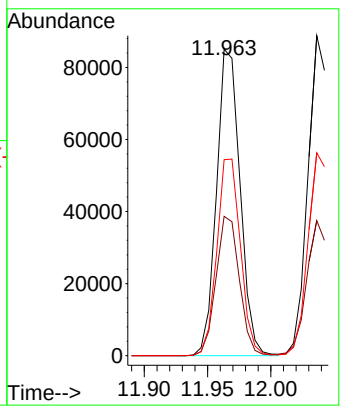




#87
1,3-Dichlorobenzene
Concen: 50.025 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:146 Resp: 10994

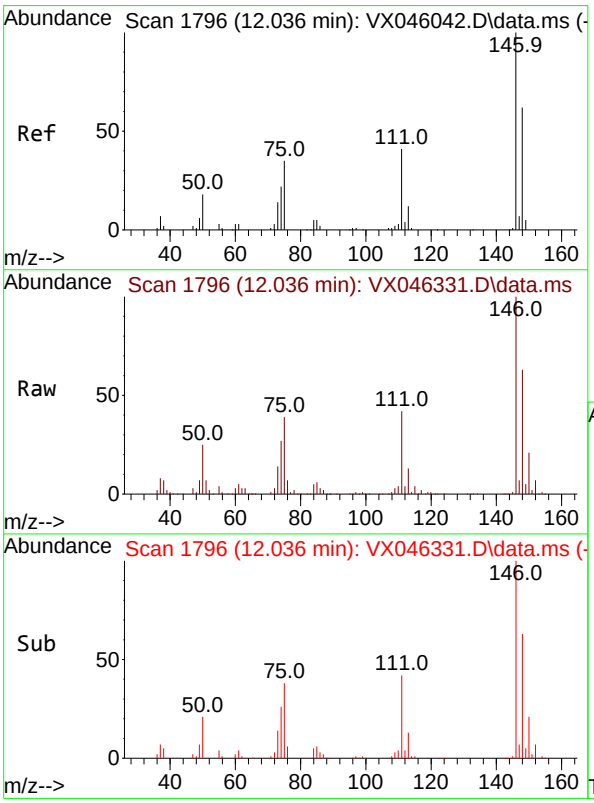
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.1	66.3
148	64.2	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

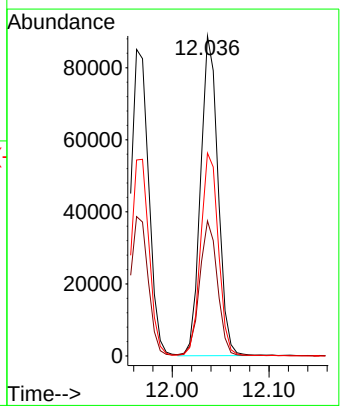
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

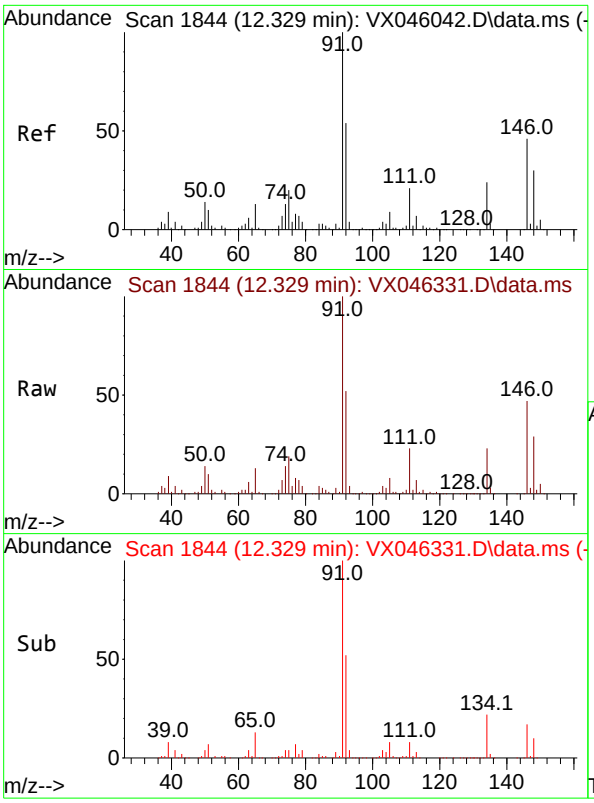


#88
1,4-Dichlorobenzene
Concen: 49.641 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:146 Resp: 111425

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	64.9	31.9	95.5

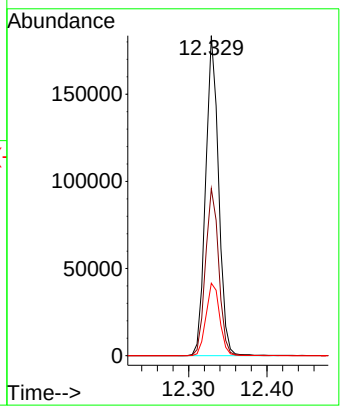




#89
n-Butylbenzene
Concen: 54.179 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 91 Resp: 21025

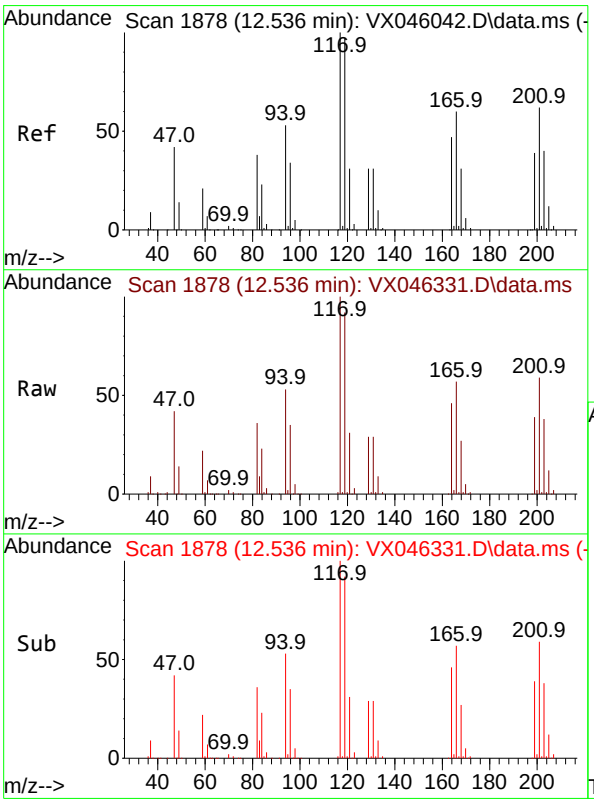
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	23.9	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

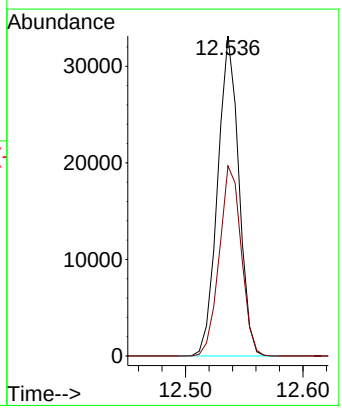
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

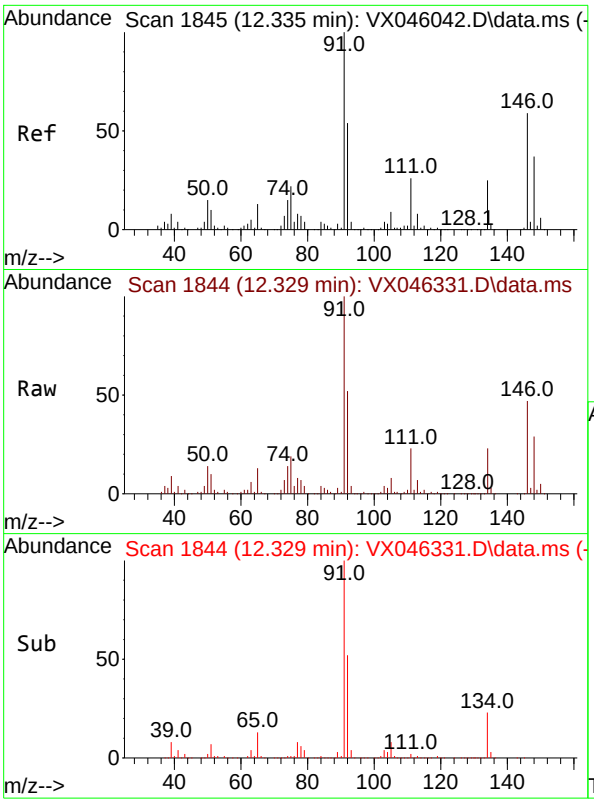


#90
Hexachloroethane
Concen: 53.122 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:117 Resp: 41404

Ion	Ratio	Lower	Upper
117	100		
201	61.6	31.6	94.7

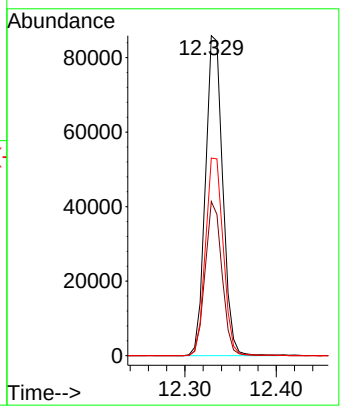




#91
1,2-Dichlorobenzene
Concen: 51.002 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:146 Resp: 11248

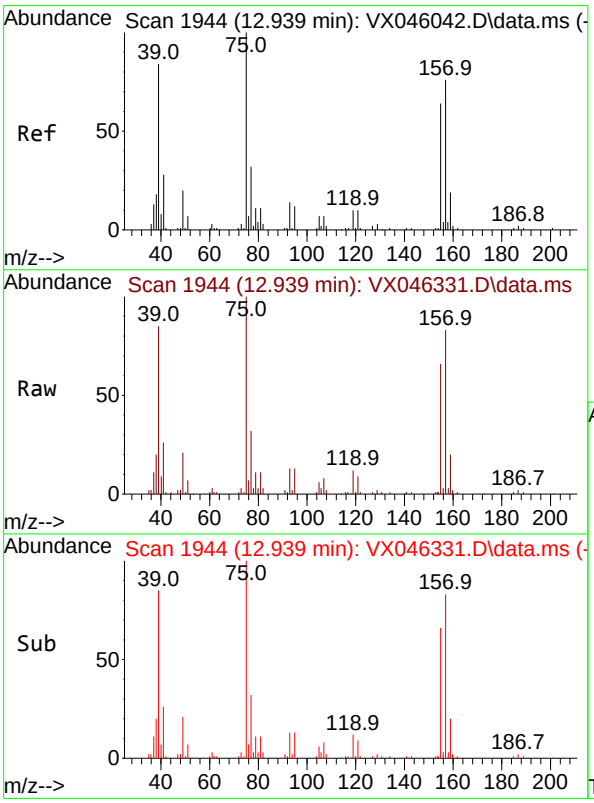
Ion	Ratio	Lower	Upper
146	100		
111	46.8	22.4	67.3
148	63.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

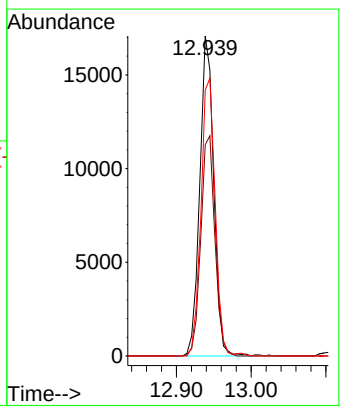
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

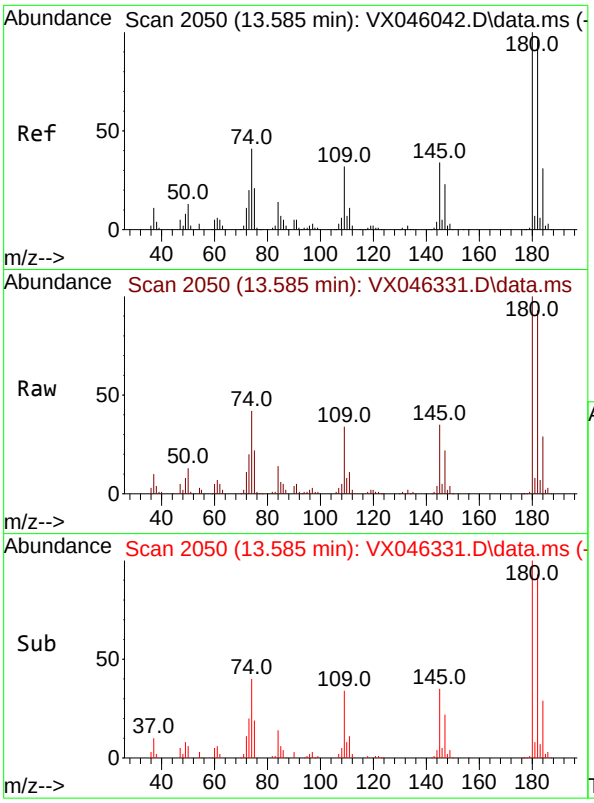


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.085 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion: 75 Resp: 22183

Ion	Ratio	Lower	Upper
75	100		
155	69.3	34.9	104.8
157	88.3	43.8	131.4

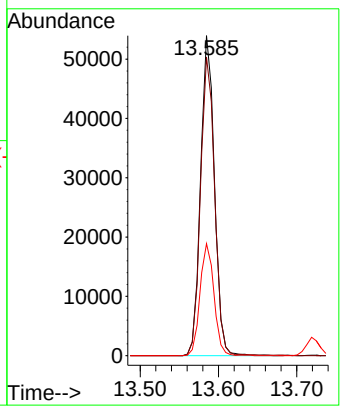




#93
1,2,4-Trichlorobenzene
Concen: 52.307 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:180 Resp: 6626

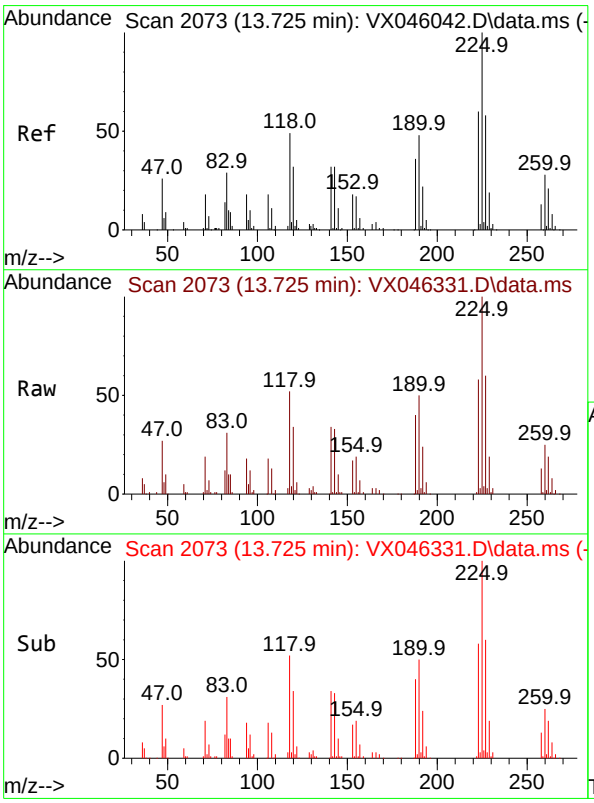
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	35.3	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

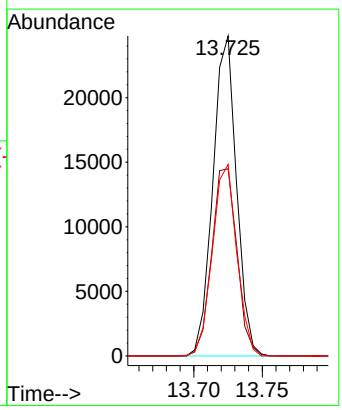
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

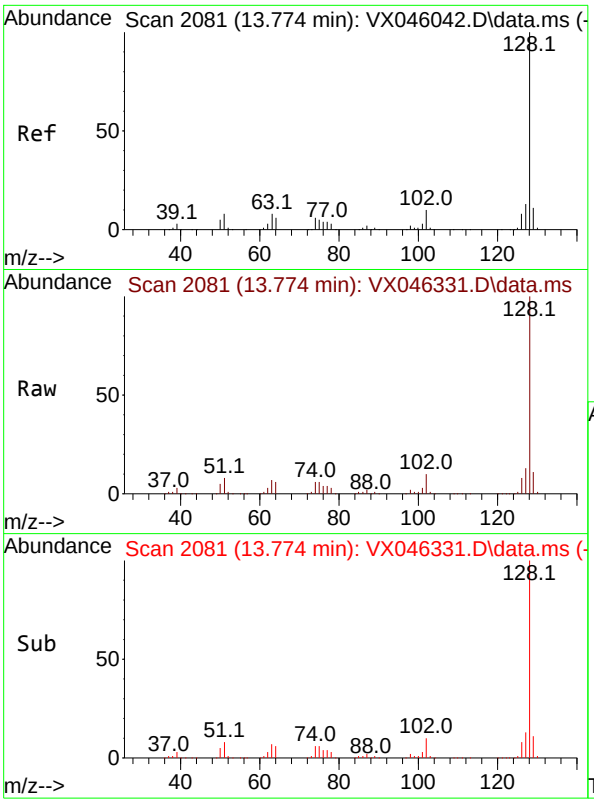


#94
Hexachlorobutadiene
Concen: 53.637 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:225 Resp: 29675

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	61.8	30.9	92.7

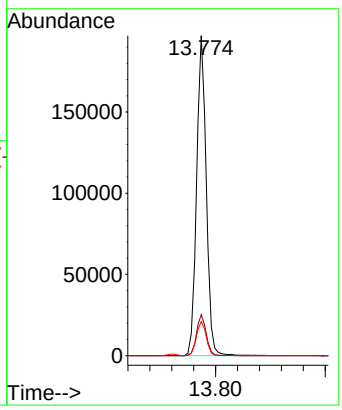




#95
Naphthalene
Concen: 52.127 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:128 Resp: 24218

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
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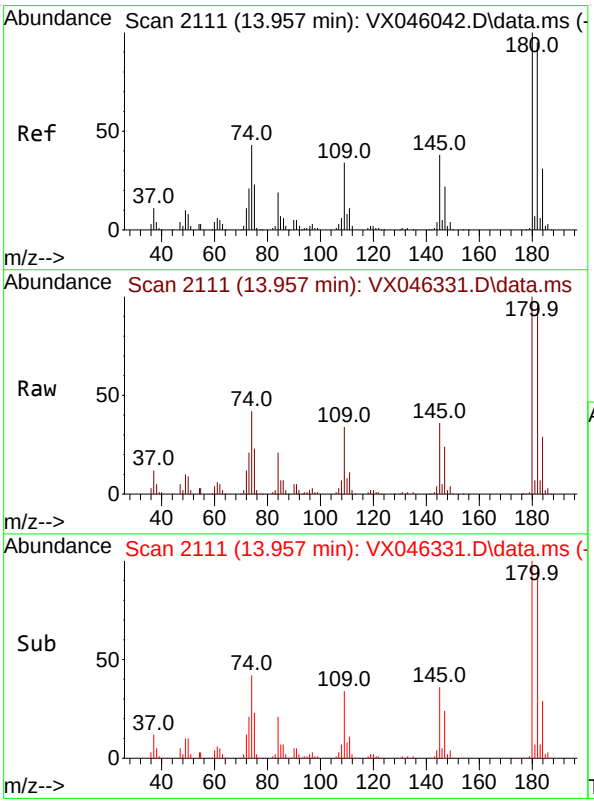
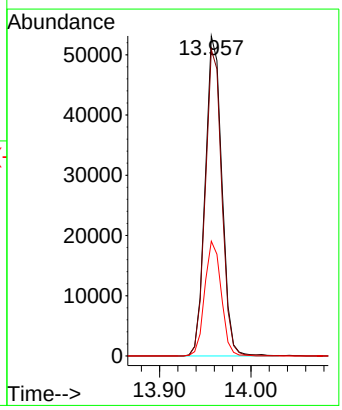


#96
1,2,3-Trichlorobenzene
Concen: 51.275 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046331.D
Acq: 23 May 2025 09:24

Tgt Ion:180 Resp: 67021

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	35.5	18.1	54.3



Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	93	0.00
2	T	Dichlorodifluoromethane	0.765	0.718	6.1	77	0.00
3	P	Chloromethane	0.742	0.654	11.9	78	0.00
4	C	Vinyl Chloride	0.691	0.592	14.3#	77	0.00
5	T	Bromomethane	0.320	0.288	10.0	82	0.00
6	T	Chloroethane	0.369	0.378	-2.4	93	0.00
7	T	Trichlorofluoromethane	1.021	0.993	2.7	86	0.00
8	T	Diethyl Ether	0.347	0.339	2.3	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.618	2.2	89	0.00
10	T	Methyl Iodide	0.747	0.684	8.4	79	0.00
11	T	Tert butyl alcohol	0.131	0.143	-9.2	103	-0.01
12	CM	1,1-Dichloroethene	0.593	0.550	7.3#	85	0.00
13	T	Acrolein	0.149	0.160	-7.4	97	0.00
14	T	Allyl chloride	1.133	1.169	-3.2	92	0.00
15	T	Acrylonitrile	0.374	0.404	-8.0	97	0.00
16	T	Acetone	0.374	0.393	-5.1	101	0.00
17	T	Carbon Disulfide	1.406	1.170	16.8	74	0.00
18	T	Methyl Acetate	0.867	1.100	-26.9#	120	0.00
19	T	Methyl tert-butyl Ether	2.079	2.197	-5.7	94	0.00
20	T	Methylene Chloride	0.716	0.663	7.4	90	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.560	6.0	85	0.00
22	T	Diisopropyl ether	2.189	2.307	-5.4	94	0.00
23	T	Vinyl Acetate	1.925	2.026	-5.2	92	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	91	0.00
25	T	2-Butanone	0.543	0.592	-9.0	99	0.00
26	T	2,2-Dichloropropane	0.954	0.995	-4.3	96	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.706	1.7	89	0.00
28	T	Bromochloromethane	0.587	0.602	-2.6	97	0.00
29	T	Tetrahydrofuran	0.340	0.371	-9.1	98	0.00
30	C	Chloroform	1.271	1.286	-1.2#	92	0.00
31	T	Cyclohexane	1.111	1.026	7.7	84	0.00
32	T	1,1,1-Trichloroethane	1.101	1.128	-2.5	92	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.966	-3.6	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.360	0.384	-6.7	100	0.00
36	T	1,1-Dichloropropene	0.484	0.468	3.3	87	0.00
37	T	Ethyl Acetate	0.598	0.630	-5.4	95	0.00
38	T	Carbon Tetrachloride	0.544	0.551	-1.3	91	0.00
39	T	Methylcyclohexane	0.623	0.597	4.2	86	0.00
40	TM	Benzene	1.417	1.421	-0.3	89	0.00
41	T	Methacrylonitrile	0.313	0.365	-16.6	97	0.00
42	TM	1,2-Dichloroethane	0.612	0.628	-2.6	92	0.00
43	T	Isopropyl Acetate	0.912	1.021	-12.0	98	0.00
44	TM	Trichloroethene	0.341	0.343	-0.6	89	0.00
45	C	1,2-Dichloropropane	0.352	0.374	-6.3#	93	0.00
46	T	Dibromomethane	0.278	0.286	-2.9	92	0.00
47	T	Bromodichloromethane	0.547	0.595	-8.8	95	0.00
48	T	Methyl methacrylate	0.466	0.535	-14.8	98	0.00

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	0.009	0.009	0.0	95	0.00
50	S	Toluene-d8	1.246	1.307	-4.9	99	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.677	-11.9	99	0.00
52	CM	Toluene	0.869	0.878	-1.0#	90	0.00
53	T	t-1,3-Dichloropropene	0.487	0.542	-11.3	95	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.591	-9.9	94	0.00
55	T	1,1,2-Trichloroethane	0.343	0.366	-6.7	95	0.00
56	T	Ethyl methacrylate	0.546	0.629	-15.2	98	0.00
57	T	1,3-Dichloropropane	0.615	0.639	-3.9	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.299	-7.6	90	0.00
59	T	2-Hexanone	0.448	0.511	-14.1	100	0.00
60	T	Dibromochloromethane	0.376	0.417	-10.9	96	0.00
61	T	1,2-Dibromoethane	0.356	0.377	-5.9	93	0.00
62	S	4-Bromofluorobenzene	0.478	0.514	-7.5	101	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	T	Tetrachloroethene	0.354	0.357	-0.8	89	0.00
65	PM	Chlorobenzene	1.094	1.084	0.9	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.389	-4.0	93	0.00
67	C	Ethyl Benzene	1.929	1.985	-2.9#	92	0.00
68	T	m/p-Xylenes	0.706	0.719	-1.8	91	0.00
69	T	o-Xylene	0.688	0.714	-3.8	92	0.00
70	T	Styrene	1.127	1.208	-7.2	93	0.00
71	P	Bromoform	0.281	0.310	-10.3	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.893	3.986	-2.4	95	0.00
74	T	N-amyl acetate	1.924	2.081	-8.2	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.366	-0.1	100	0.00
76	T	1,2,3-Trichloropropane	1.204	1.228	-2.0	101	0.00
77	T	Bromobenzene	0.904	0.894	1.1	94	0.00
78	T	n-propylbenzene	4.526	4.678	-3.4	94	0.00
79	T	2-Chlorotoluene	2.919	2.868	1.7	94	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.374	-3.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.405	-9.5	103	0.00
82	T	4-Chlorotoluene	3.238	3.296	-1.8	94	0.00
83	T	tert-Butylbenzene	3.276	3.334	-1.8	95	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.388	-2.9	94	0.00
85	T	sec-Butylbenzene	4.022	4.204	-4.5	96	0.00
86	T	p-Isopropyltoluene	3.320	3.484	-4.9	96	0.00
87	T	1,3-Dichlorobenzene	1.649	1.650	-0.1	95	0.00
88	T	1,4-Dichlorobenzene	1.684	1.672	0.7	97	0.00
89	T	n-Butylbenzene	2.912	3.156	-8.4	98	0.00
90	T	Hexachloroethane	0.585	0.621	-6.2	98	0.00
91	T	1,2-Dichlorobenzene	1.655	1.688	-2.0	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.333	-10.3	101	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.994	-4.5	99	0.00
94	T	Hexachlorobutadiene	0.415	0.445	-7.2	102	0.00
95	T	Naphthalene	3.487	3.635	-4.2	99	0.00

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	0.981	1.006	-2.5	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	93	0.00
2	T	Dichlorodifluoromethane	50.000	46.886	6.2	77	0.00
3	P	Chloromethane	50.000	44.072	11.9	78	0.00
4	C	Vinyl Chloride	50.000	42.877	14.2#	77	0.00
5	T	Bromomethane	50.000	45.004	10.0	82	0.00
6	T	Chloroethane	50.000	51.230	-2.5	93	0.00
7	T	Trichlorofluoromethane	50.000	48.653	2.7	86	0.00
8	T	Diethyl Ether	50.000	48.706	2.6	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.939	2.1	89	0.00
10	T	Methyl Iodide	50.000	45.758	8.5	79	0.00
11	T	Tert butyl alcohol	250.000	274.166	-9.7	103	-0.01
12	CM	1,1-Dichloroethene	50.000	46.384	7.2#	85	0.00
13	T	Acrolein	250.000	268.519	-7.4	97	0.00
14	T	Allyl chloride	50.000	51.568	-3.1	92	0.00
15	T	Acrylonitrile	250.000	270.194	-8.1	97	0.00
16	T	Acetone	250.000	263.114	-5.2	101	0.00
17	T	Carbon Disulfide	50.000	41.606	16.8	74	0.00
18	T	Methyl Acetate	50.000	63.388	-26.8#	120	0.00
19	T	Methyl tert-butyl Ether	50.000	52.851	-5.7	94	0.00
20	T	Methylene Chloride	50.000	46.299	7.4	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.000	6.0	85	0.00
22	T	Diisopropyl ether	50.000	52.704	-5.4	94	0.00
23	T	Vinyl Acetate	250.000	263.054	-5.2	92	0.00
24	P	1,1-Dichloroethane	50.000	50.826	-1.7	91	0.00
25	T	2-Butanone	250.000	272.843	-9.1	99	0.00
26	T	2,2-Dichloropropane	50.000	52.155	-4.3	96	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.159	1.7	89	0.00
28	T	Bromochloromethane	50.000	51.292	-2.6	97	0.00
29	T	Tetrahydrofuran	250.000	272.575	-9.0	98	0.00
30	C	Chloroform	50.000	50.618	-1.2#	92	0.00
31	T	Cyclohexane	50.000	46.166	7.7	84	0.00
32	T	1,1,1-Trichloroethane	50.000	51.206	-2.4	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.802	-3.6	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.265	-6.5	100	0.00
36	T	1,1-Dichloropropene	50.000	48.349	3.3	87	0.00
37	T	Ethyl Acetate	50.000	52.723	-5.4	95	0.00
38	T	Carbon Tetrachloride	50.000	50.709	-1.4	91	0.00
39	T	Methylcyclohexane	50.000	47.954	4.1	86	0.00
40	TM	Benzene	50.000	50.133	-0.3	89	0.00
41	T	Methacrylonitrile	50.000	58.302	-16.6	97	0.00
42	TM	1,2-Dichloroethane	50.000	51.375	-2.8	92	0.00
43	T	Isopropyl Acetate	50.000	55.999	-12.0	98	0.00
44	TM	Trichloroethene	50.000	50.279	-0.6	89	0.00
45	C	1,2-Dichloropropane	50.000	53.136	-6.3#	93	0.00
46	T	Dibromomethane	50.000	51.454	-2.9	92	0.00
47	T	Bromodichloromethane	50.000	54.392	-8.8	95	0.00
48	T	Methyl methacrylate	50.000	57.467	-14.9	98	0.00

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	1053.147	-5.3	95	0.00
50	S	Toluene-d8	50.000	52.423	-4.8	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	279.753	-11.9	99	0.00
52	CM	Toluene	50.000	50.537	-1.1#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	55.750	-11.5	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.982	-10.0	94	0.00
55	T	1,1,2-Trichloroethane	50.000	53.371	-6.7	95	0.00
56	T	Ethyl methacrylate	50.000	57.619	-15.2	98	0.00
57	T	1,3-Dichloropropane	50.000	51.895	-3.8	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.416	-7.4	90	0.00
59	T	2-Hexanone	250.000	285.172	-14.1	100	0.00
60	T	Dibromochloromethane	50.000	55.399	-10.8	96	0.00
61	T	1,2-Dibromoethane	50.000	52.931	-5.9	93	0.00
62	S	4-Bromofluorobenzene	50.000	53.716	-7.4	101	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64	T	Tetrachloroethene	50.000	50.481	-1.0	89	0.00
65	PM	Chlorobenzene	50.000	49.525	1.0	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.010	-4.0	93	0.00
67	C	Ethyl Benzene	50.000	51.457	-2.9#	92	0.00
68	T	m/p-Xylenes	100.000	101.954	-2.0	91	0.00
69	T	o-Xylene	50.000	51.899	-3.8	92	0.00
70	T	Styrene	50.000	53.599	-7.2	93	0.00
71	P	Bromoform	50.000	55.224	-10.4	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	51.196	-2.4	95	0.00
74	T	N-amyl acetate	50.000	54.091	-8.2	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.066	-0.1	100	0.00
76	T	1,2,3-Trichloropropane	50.000	51.027	-2.1	101	0.00
77	T	Bromobenzene	50.000	49.441	1.1	94	0.00
78	T	n-propylbenzene	50.000	51.673	-3.3	94	0.00
79	T	2-Chlorotoluene	50.000	49.128	1.7	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.877	-3.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.814	-9.6	103	0.00
82	T	4-Chlorotoluene	50.000	50.910	-1.8	94	0.00
83	T	tert-Butylbenzene	50.000	50.888	-1.8	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.438	-2.9	94	0.00
85	T	sec-Butylbenzene	50.000	52.265	-4.5	96	0.00
86	T	p-Isopropyltoluene	50.000	52.479	-5.0	96	0.00
87	T	1,3-Dichlorobenzene	50.000	50.025	-0.0	95	0.00
88	T	1,4-Dichlorobenzene	50.000	49.641	0.7	97	0.00
89	T	n-Butylbenzene	50.000	54.179	-8.4	98	0.00
90	T	Hexachloroethane	50.000	53.122	-6.2	98	0.00
91	T	1,2-Dichlorobenzene	50.000	51.002	-2.0	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.085	-10.2	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.307	-4.6	99	0.00
94	T	Hexachlorobutadiene	50.000	53.637	-7.3	102	0.00
95	T	Naphthalene	50.000	52.127	-4.3	99	0.00

Sample Results: **VX046331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046331.D
Acq On : 23 May 2025 09:24
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 23 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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	51.275	-2.5	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_Y Calibration Date/Time: 05/20/2025 08:40

Lab File ID: VY022329.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.457	1.473		1.1	20
Toluene	0.923	0.912		-1.19	20
Ethyl Benzene	2.113	2.120		0.33	20
m/p-Xylenes	0.796	0.803		0.88	20
o-Xylene	0.753	0.738		-1.99	20
Isopropylbenzene	4.142	4.147		0.12	20
n-propylbenzene	4.996	5.062		1.32	20
1,3,5-Trimethylbenzene	3.344	3.297		-1.41	20
tert-Butylbenzene	2.972	2.924		-1.62	20
1,2,4-Trimethylbenzene	3.319	3.232		-2.62	20
sec-Butylbenzene	4.412	4.438		0.59	20
p-Isopropyltoluene	3.710	3.717		0.19	20
n-Butylbenzene	3.510	3.562		1.48	20
1,2-Dichloroethane-d4	0.546	0.533		-2.38	20
Dibromofluoromethane	0.298	0.305		2.35	20
Toluene-d8	1.222	1.259		3.03	20
4-Bromofluorobenzene	0.387	0.375		-3.1	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	180374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	298369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	120747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	96211	48.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.620%			
35) Dibromofluoromethane	7.634	113	90959	51.076	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.160%			
50) Toluene-d8	10.109	98	375501	51.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.960%			
62) 4-Bromofluorobenzene	12.408	95	111811	48.365	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	87856	46.679	ug/l	99
3) Chloromethane	2.068	50	197335	49.842	ug/l	100
4) Vinyl Chloride	2.202	62	274924	62.153	ug/l	97
5) Bromomethane	2.598	94	209168	58.088	ug/l	99
6) Chloroethane	2.733	64	182573	66.345	ug/l	100
7) Trichlorofluoromethane	3.050	101	251083	56.065	ug/l	100
8) Diethyl Ether	3.452	74	49275	45.847	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	99707	51.283	ug/l	98
10) Methyl Iodide	4.007	142	113213	50.311	ug/l	99
11) Tert butyl alcohol	4.860	59	32480	215.761	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	96307	49.916	ug/l	98
13) Acrolein	3.653	56	26963	122.519	ug/l	94
14) Allyl chloride	4.379	41	152279	45.013	ug/l	94
15) Acrylonitrile	5.055	53	100495	226.925	ug/l	99
16) Acetone	3.873	43	82432	223.009	ug/l	90
17) Carbon Disulfide	4.104	76	308666	49.060	ug/l	99
18) Methyl Acetate	4.385	43	49112	42.141	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	249468	46.893	ug/l	99
20) Methylene Chloride	4.616	84	104952	43.941	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	105103	49.353	ug/l	91
22) Diisopropyl ether	6.019	45	328037	45.916	ug/l	99
23) Vinyl Acetate	5.958	43	945452	219.054	ug/l	97
24) 1,1-Dichloroethane	5.915	63	195759	49.046	ug/l	97
25) 2-Butanone	6.890	43	132386	214.116	ug/l	97
26) 2,2-Dichloropropane	6.884	77	176104	49.606	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	123269	50.159	ug/l	99
28) Bromochloromethane	7.244	49	84842	49.834	ug/l	96
29) Tetrahydrofuran	7.262	42	85738	215.541	ug/l	95
30) Chloroform	7.421	83	191099	49.916	ug/l	100
31) Cyclohexane	7.701	56	186740	46.827	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	174168	49.587	ug/l	99
36) 1,1-Dichloropropene	7.835	75	146745	50.028	ug/l	99
37) Ethyl Acetate	6.988	43	60741	43.038	ug/l	99
38) Carbon Tetrachloride	7.817	117	154127	50.762	ug/l	99
39) Methylcyclohexane	9.109	83	197541	50.127	ug/l	96
40) Benzene	8.079	78	439609	50.555	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	42308m	45.192	ug/l		
42) 1,2-Dichloroethane	8.158	62	113474	48.255	ug/l		100
43) Isopropyl Acetate	8.195	43	132355	43.001	ug/l	#	86
44) Trichloroethene	8.866	130	108566	50.212	ug/l		96
45) 1,2-Dichloropropane	9.140	63	103106	49.181	ug/l		98
46) Dibromomethane	9.231	93	54532	48.227	ug/l		97
47) Bromodichloromethane	9.420	83	145860	49.724	ug/l		100
48) Methyl methacrylate	9.219	41	61712	42.873	ug/l		94
49) 1,4-Dioxane	9.231	88	12080	945.674	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	328310	217.386	ug/l		97
52) Toluene	10.170	92	272032	49.403	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	136680	47.744	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	157453	48.006	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	69620	48.082	ug/l		98
56) Ethyl methacrylate	10.438	69	103441	45.862	ug/l		97
57) 1,3-Dichloropropane	10.719	76	124485	48.388	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	228868	226.074	ug/l		99
59) 2-Hexanone	10.762	43	216713	214.015	ug/l		97
60) Dibromochloromethane	10.914	129	90557	48.185	ug/l		100
61) 1,2-Dibromoethane	11.018	107	64317	47.659	ug/l		99
64) Tetrachloroethene	10.646	164	118778	50.915	ug/l		98
65) Chlorobenzene	11.444	112	283164	49.729	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	96653	49.374	ug/l		99
67) Ethyl Benzene	11.518	91	534980	50.166	ug/l		100
68) m/p-Xylenes	11.627	106	405451	100.899	ug/l		98
69) o-Xylene	11.956	106	186251	48.989	ug/l		100
70) Styrene	11.969	104	316649	49.374	ug/l		98
71) Bromoform	12.133	173	48192	45.610	ug/l	#	99
73) Isopropylbenzene	12.255	105	500715	50.055	ug/l		99
74) N-amyl acetate	12.072	43	122315	42.753	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	71869	46.716	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	57634m	47.114	ug/l		
77) Bromobenzene	12.536	156	101902	47.696	ug/l		99
78) n-propylbenzene	12.597	91	611228	50.658	ug/l		100
79) 2-Chlorotoluene	12.682	91	320605	48.352	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	398122	49.303	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	26577	44.011	ug/l		96
82) 4-Chlorotoluene	12.780	91	331061	48.542	ug/l		99
83) tert-Butylbenzene	12.999	119	353055	49.191	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	390297	48.690	ug/l		98
85) sec-Butylbenzene	13.176	105	535889	50.299	ug/l		100
86) p-Isopropyltoluene	13.292	119	448789	50.085	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	211690	48.536	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	200827	47.869	ug/l		99
89) n-Butylbenzene	13.615	91	430086	50.735	ug/l		99
90) Hexachloroethane	13.883	117	88228	48.777	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	175805	47.987	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11289	45.506	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	98395	46.496	ug/l		99
94) Hexachlorobutadiene	15.023	225	54240	45.960	ug/l		99
95) Naphthalene	15.145	128	179488	44.695	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	82076	45.719	ug/l		99

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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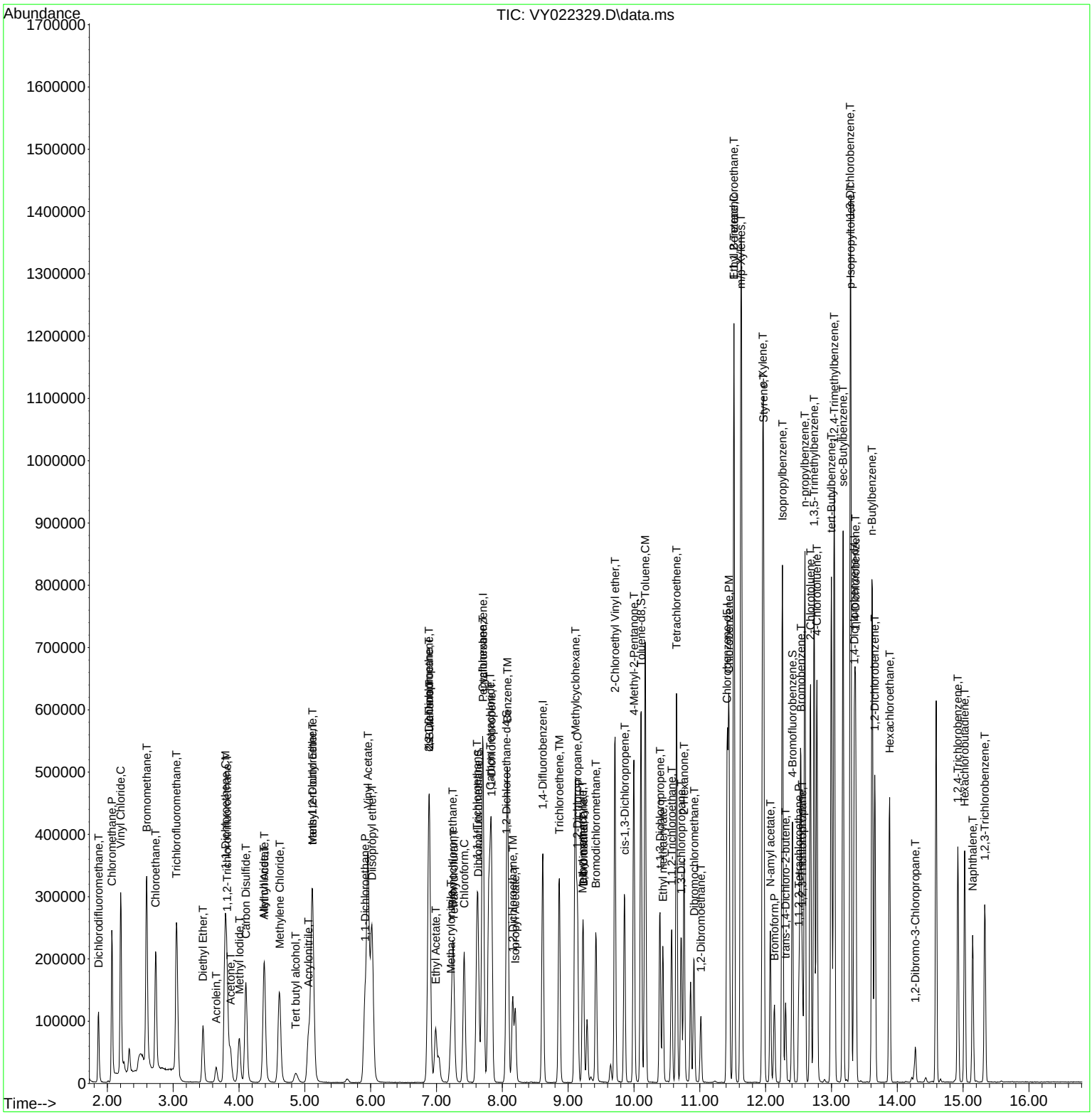
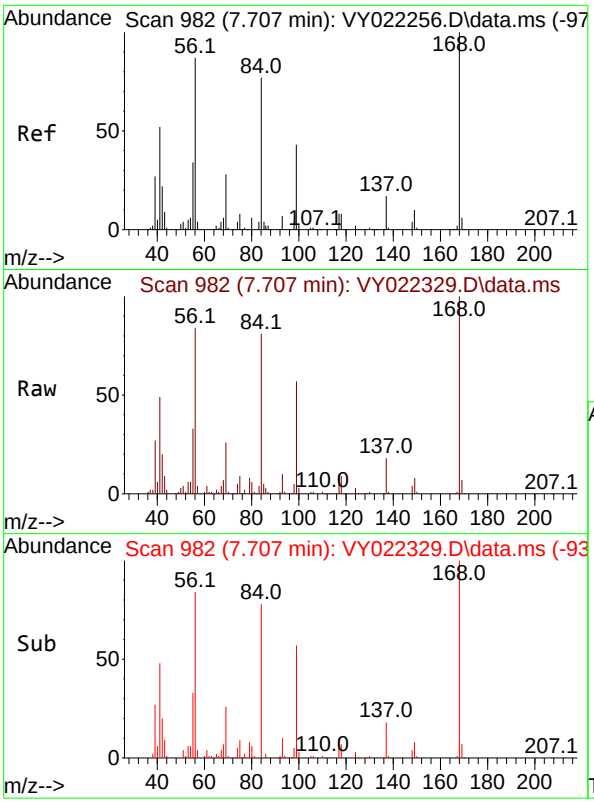
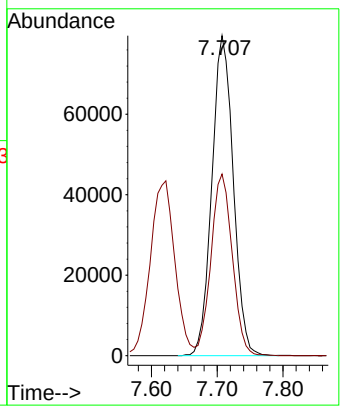




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:168 Resp: 18037

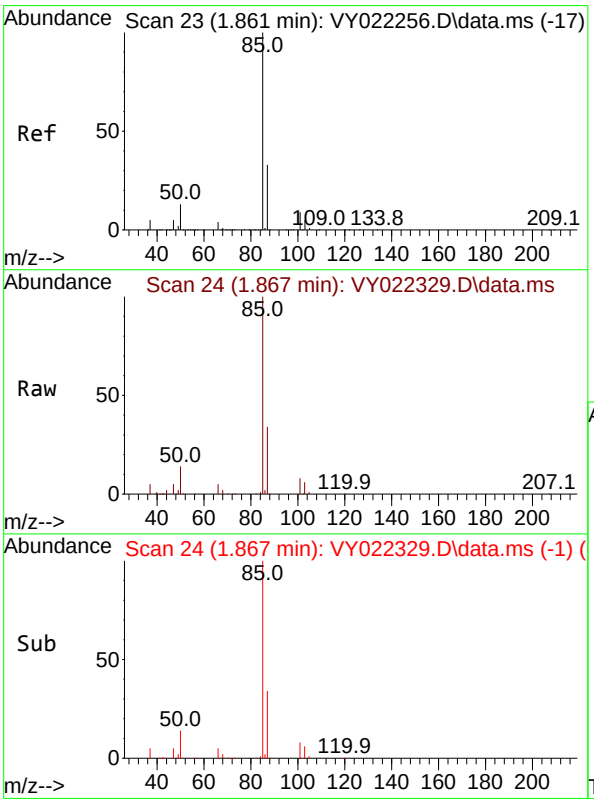
Ion	Ratio	Lower	Upper
168	100		
99	56.7	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

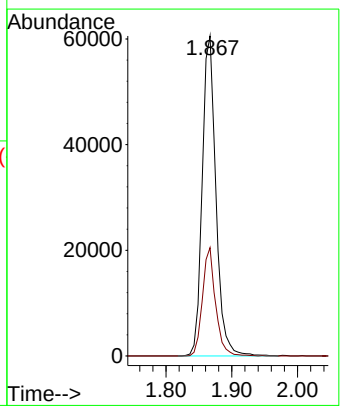
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

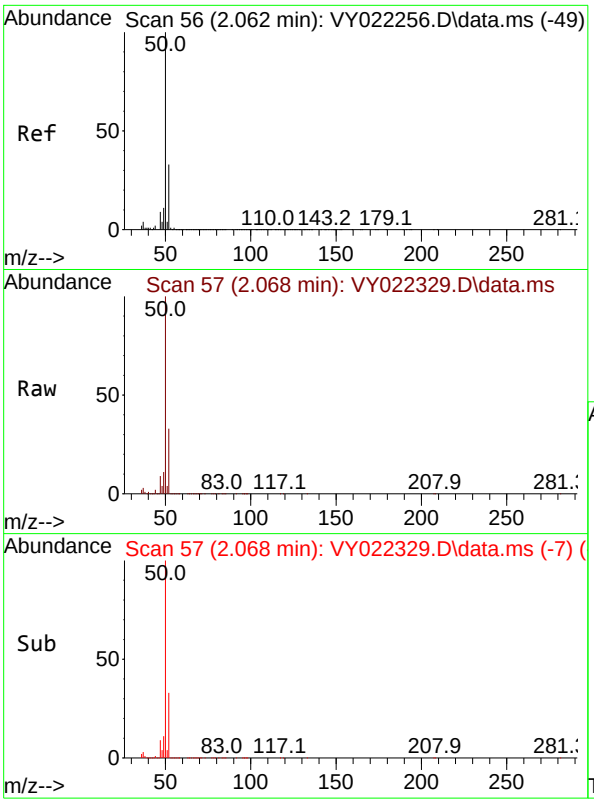


#2
Dichlorodifluoromethane
Concen: 46.679 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 85 Resp: 87856

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.5	49.5





#3
Chloromethane
Concen: 49.842 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 50 Resp: 19733

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.5	39.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
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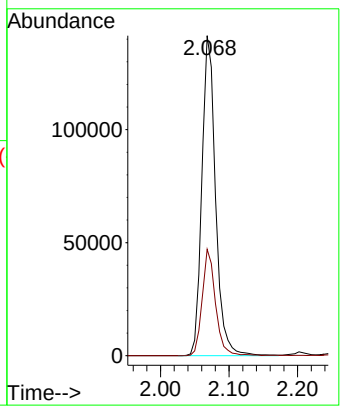
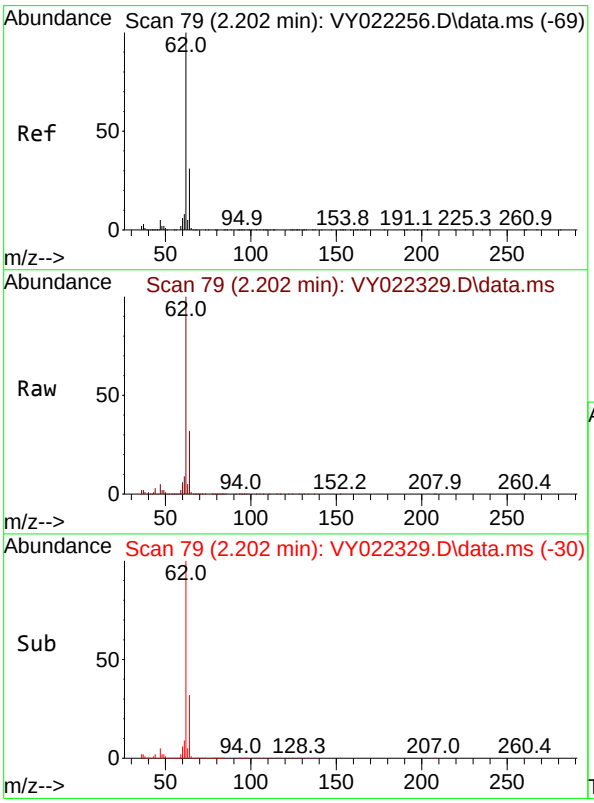
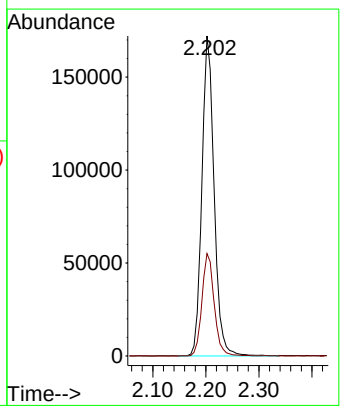


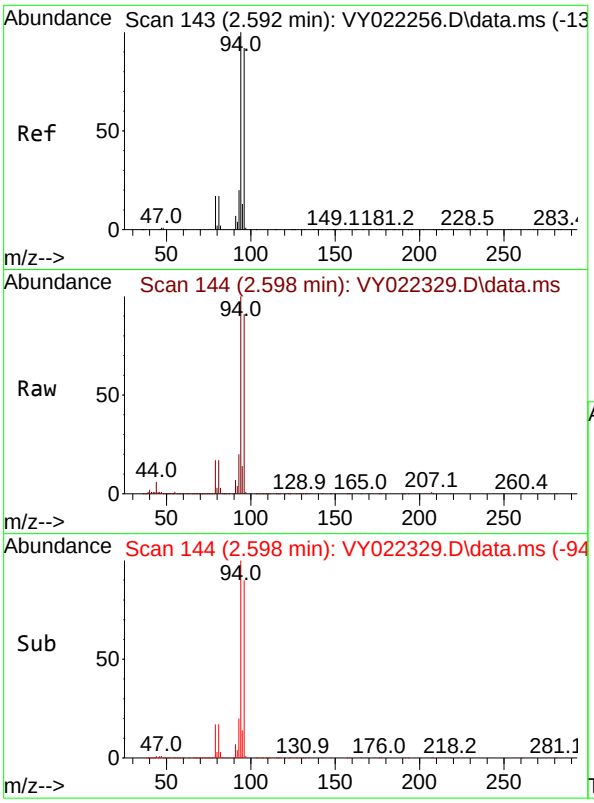


#4
Vinyl Chloride
Concen: 62.153 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 62 Resp: 274924

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.5	36.7





#5
Bromomethane
Concen: 58.088 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

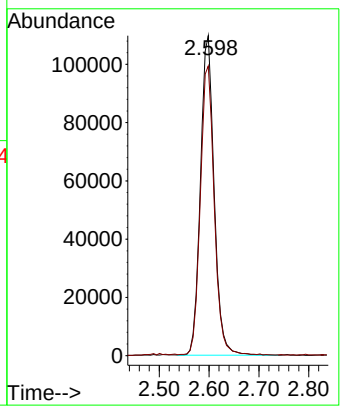
Tgt Ion: 94 Resp: 20916

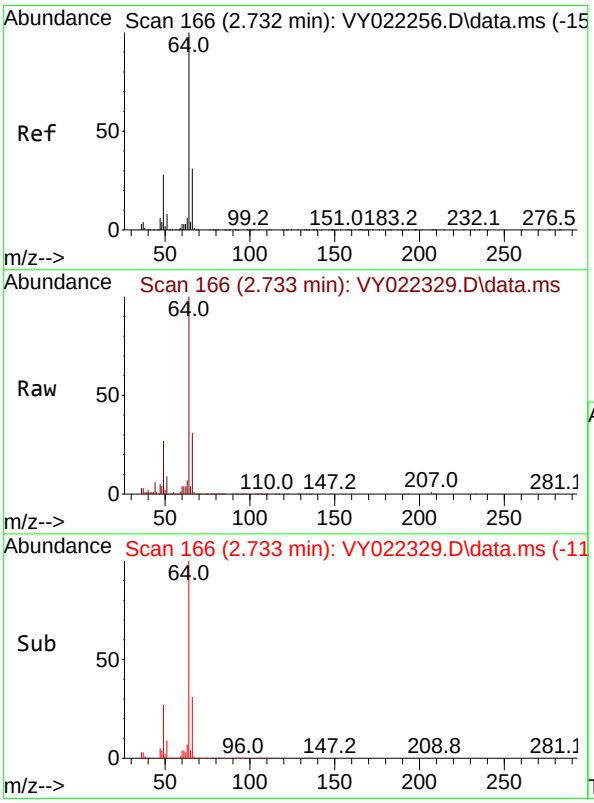
Ion	Ratio	Lower	Upper
94	100		
96	90.5	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

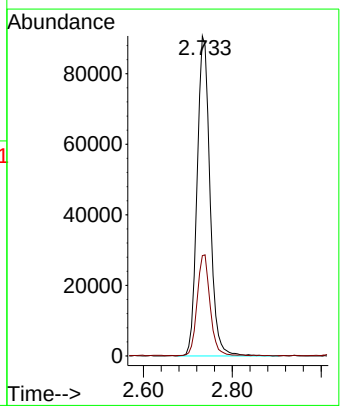


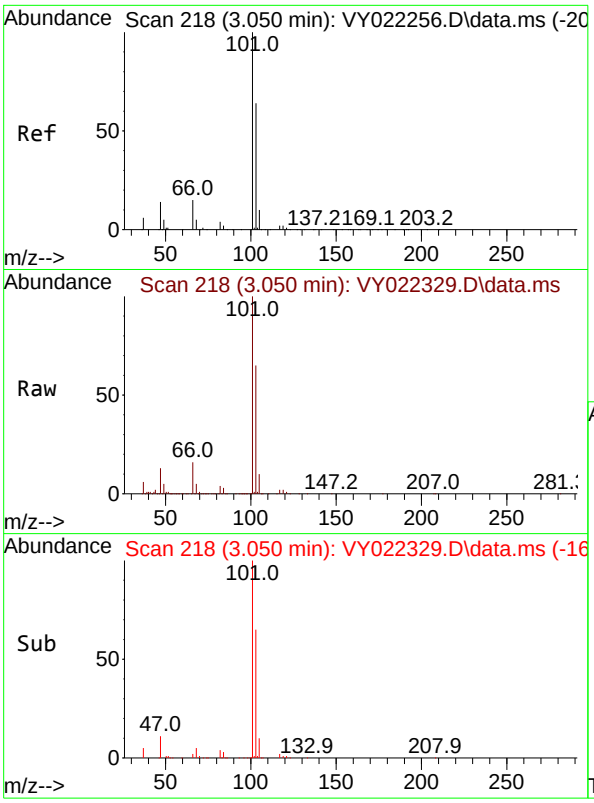


#6
Chloroethane
Concen: 66.345 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 64 Resp: 182573

Ion	Ratio	Lower	Upper
64	100		
66	31.2	24.8	37.2

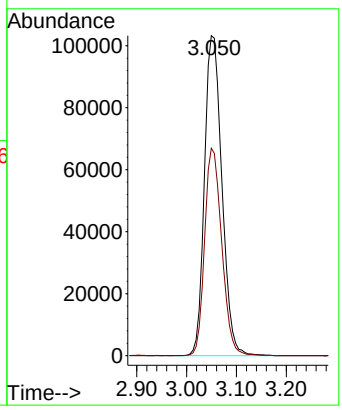




#7
Trichlorofluoromethane
Concen: 56.065 ug/l
RT: 3.050 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:101 Resp: 25108

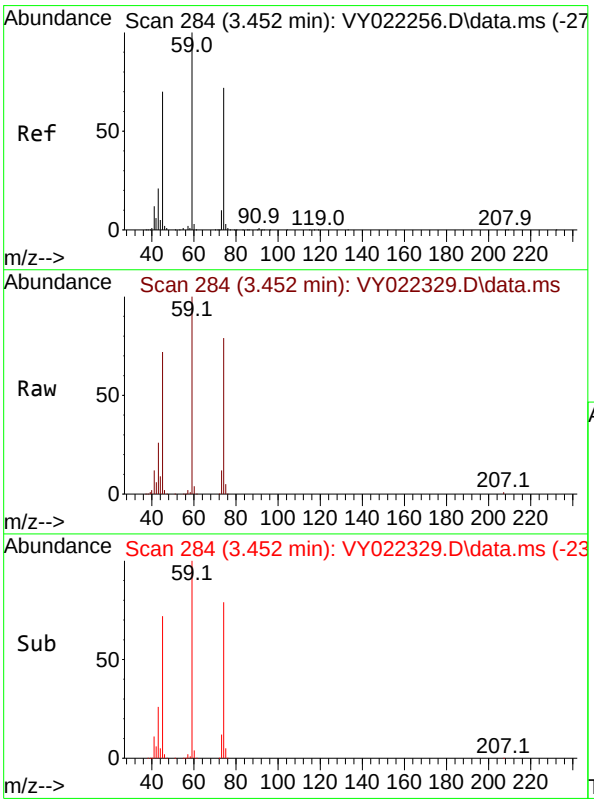
Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

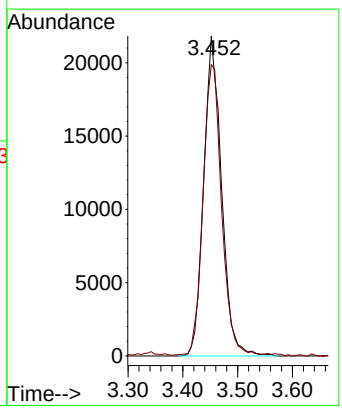
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

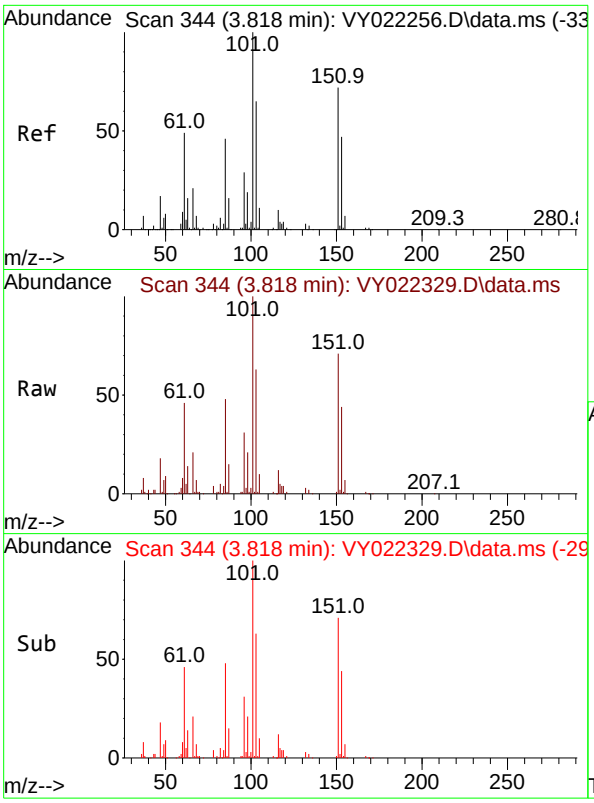


#8
Diethyl Ether
Concen: 45.847 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 74 Resp: 49275

Ion	Ratio	Lower	Upper
74	100		
45	93.9	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.283 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

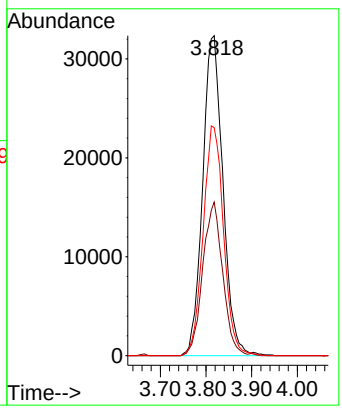
Tgt Ion:101 Resp: 9970

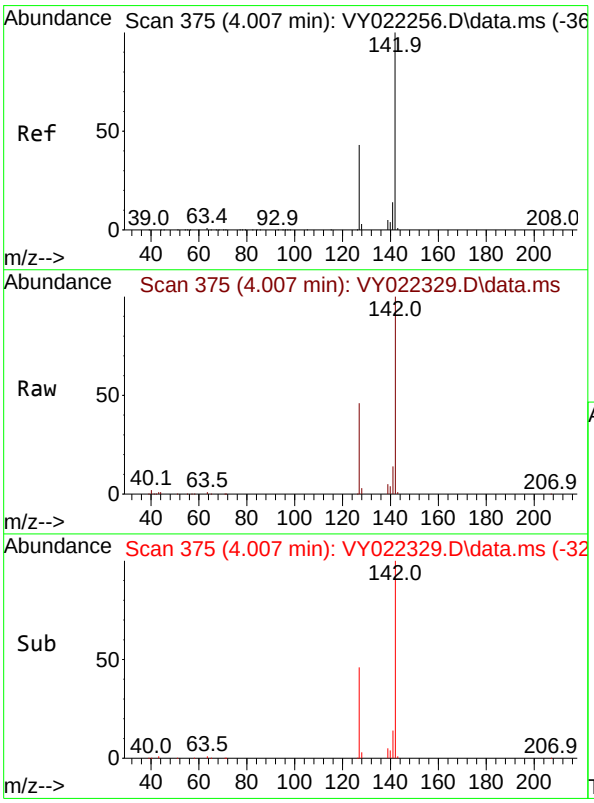
Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.6	58.0
151	72.3	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

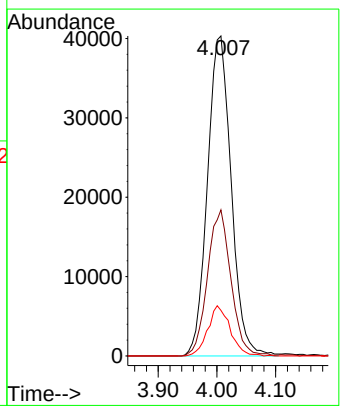


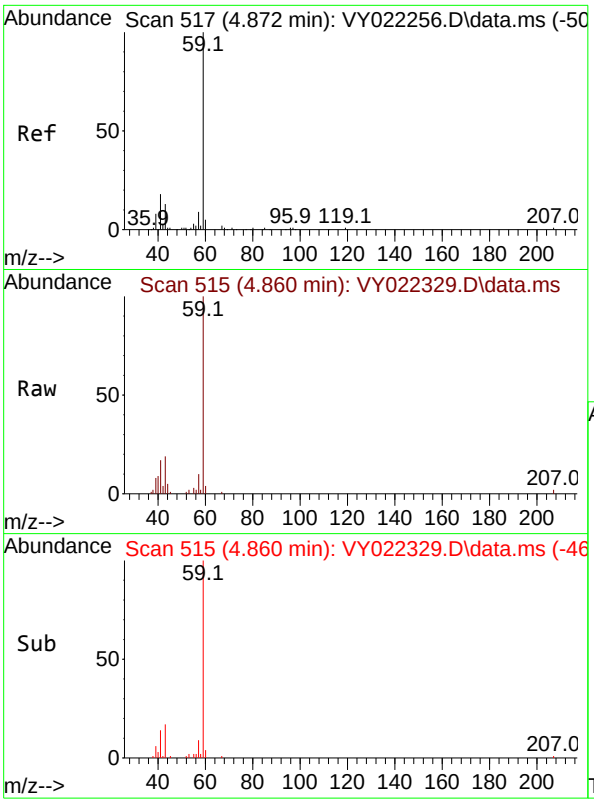


#10
Methyl Iodide
Concen: 50.311 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:142 Resp: 113213

Ion	Ratio	Lower	Upper
142	100		
127	45.1	35.7	53.5
141	14.8	11.1	16.7

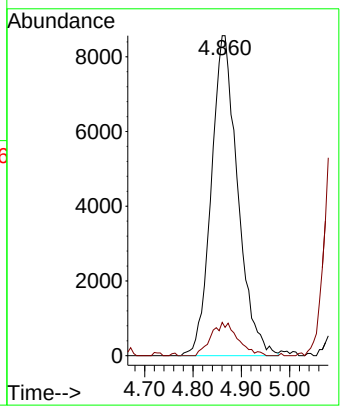




#11
Tert butyl alcohol
Concen: 215.761 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 59 Resp: 3248

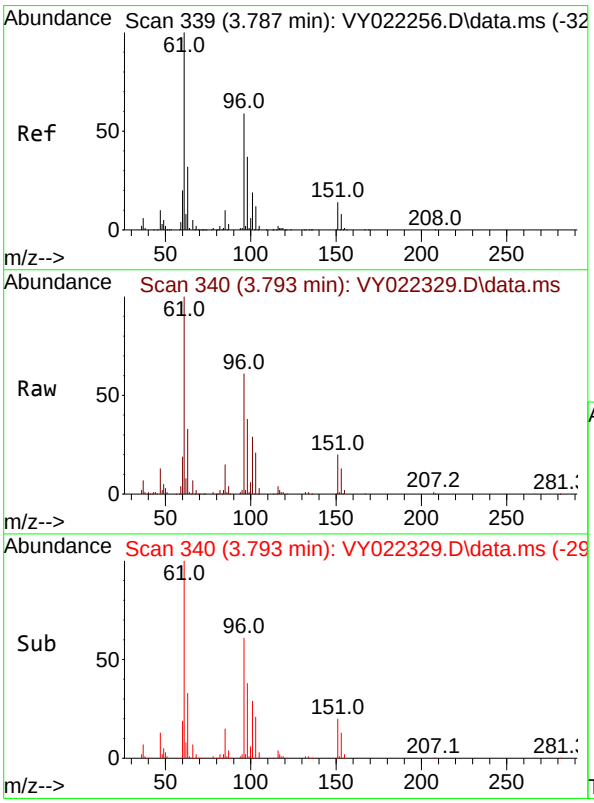
Ion	Ratio	Lower	Upper
59	100		
57	10.5	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

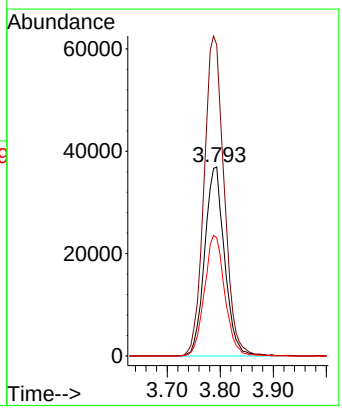
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

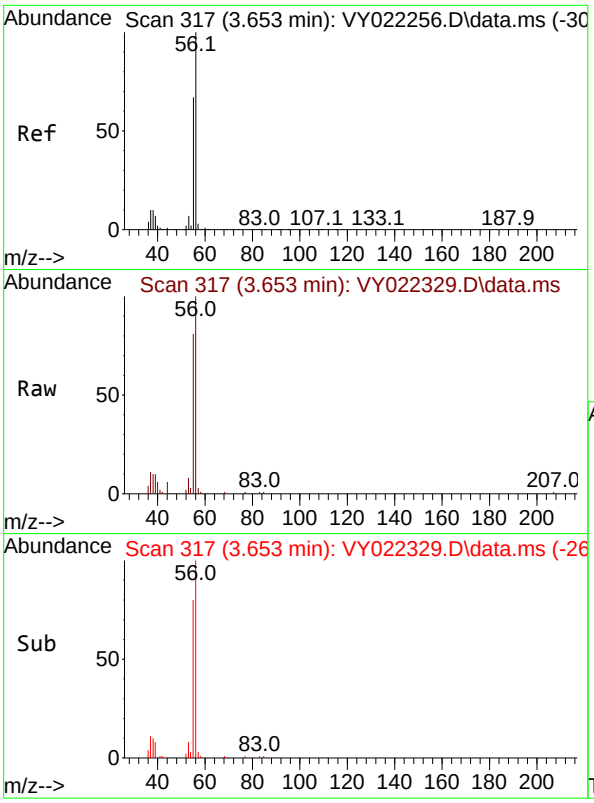


#12
1,1-Dichloroethene
Concen: 49.916 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 96 Resp: 96307

Ion	Ratio	Lower	Upper
96	100		
61	164.5	134.9	202.3
98	62.5	49.9	74.9

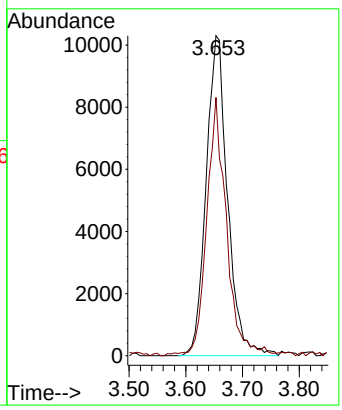




#13
Acrolein
Concen: 122.519 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 56 Resp: 2696

Ion	Ratio	Lower	Upper
56	100		
55	74.4	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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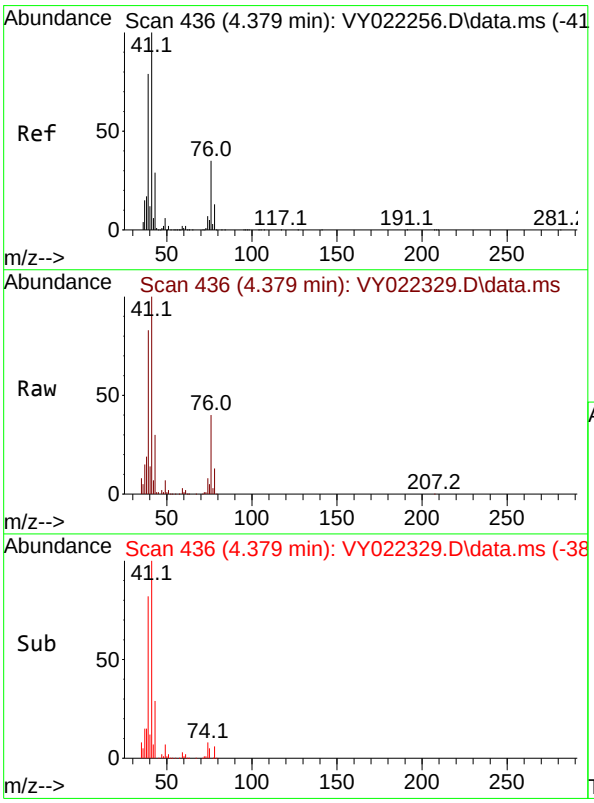
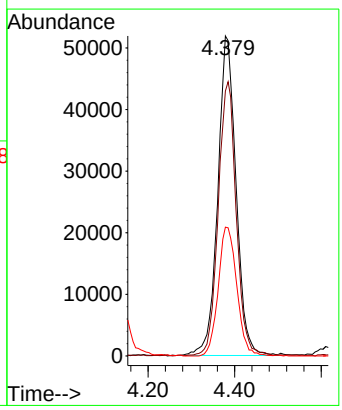
Supervised By :Semsettin Yesilyurt 05/21/2025

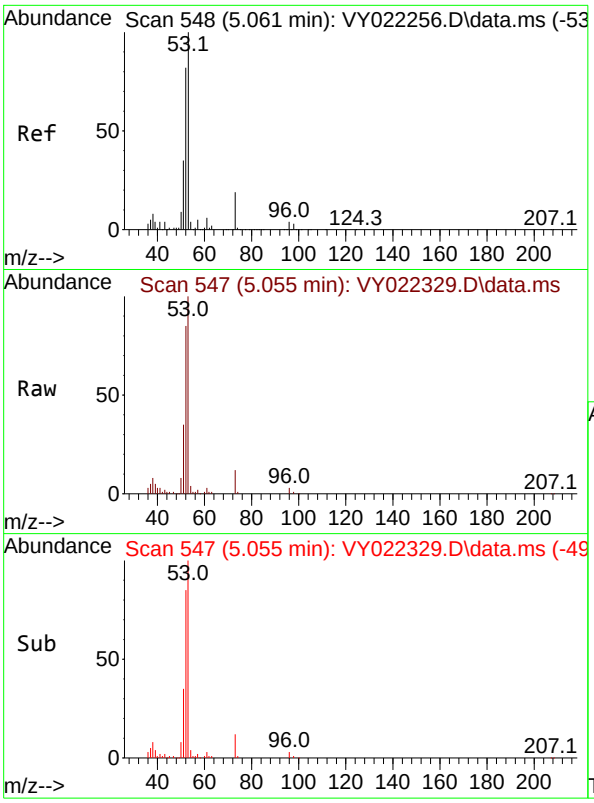


#14
Allyl chloride
Concen: 45.013 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 41 Resp: 152279

Ion	Ratio	Lower	Upper
41	100		
39	84.4	63.4	95.0
76	41.0	29.5	44.3

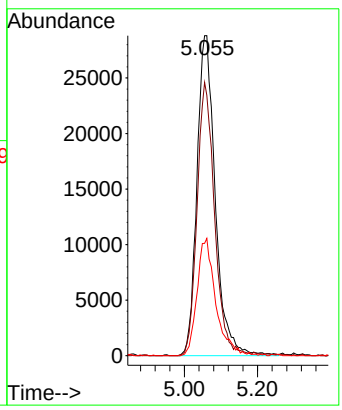




#15
Acrylonitrile
Concen: 226.925 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 53 Resp: 10049

Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.1	99.1
51	37.2	30.0	45.0



Instrument :
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ClientSampleId :
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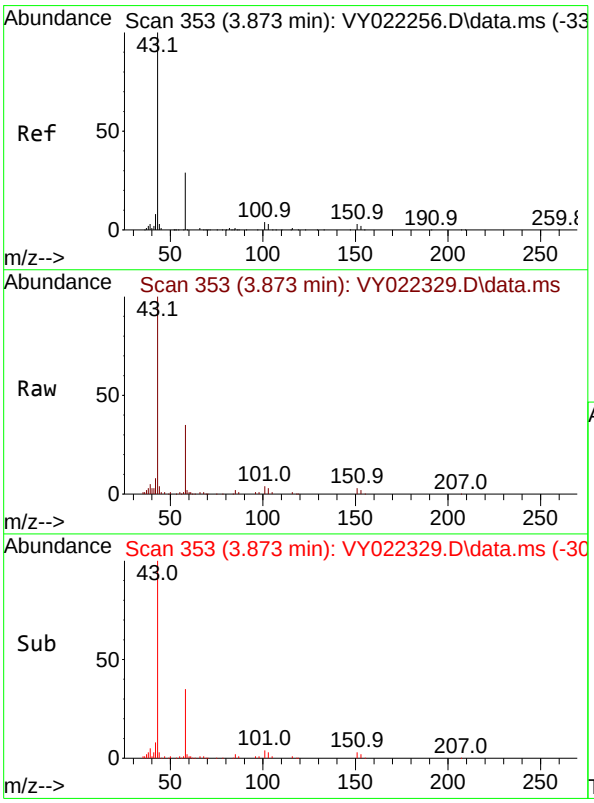
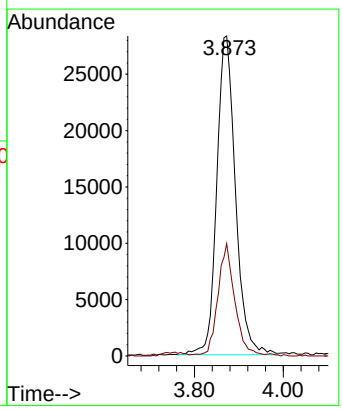
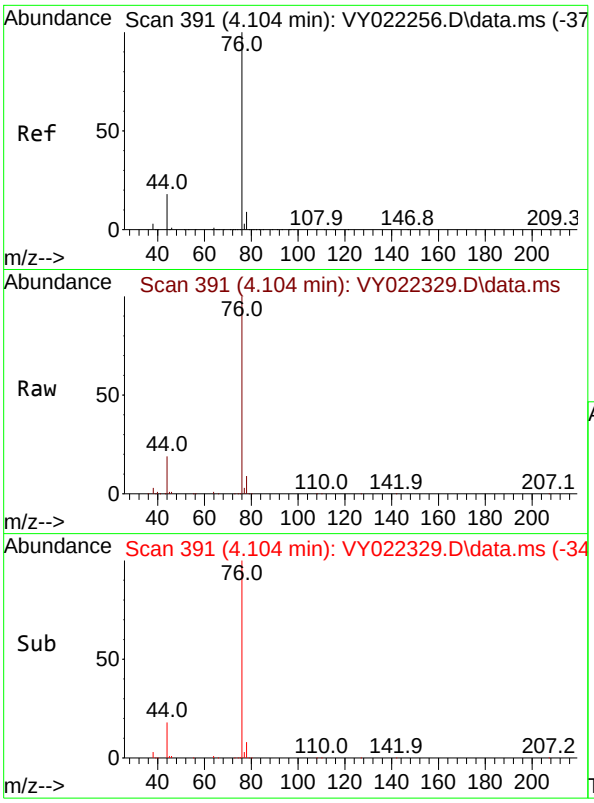


#16
Acetone
Concen: 223.009 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 82432

Ion	Ratio	Lower	Upper
43	100		
58	35.0	23.6	35.4

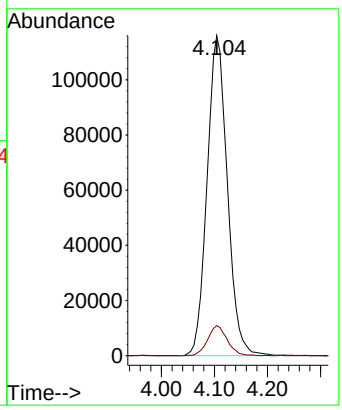




#17
Carbon Disulfide
Concen: 49.060 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 76 Resp: 30866

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8



Instrument :
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ClientSampleId :
VSTDCCC050

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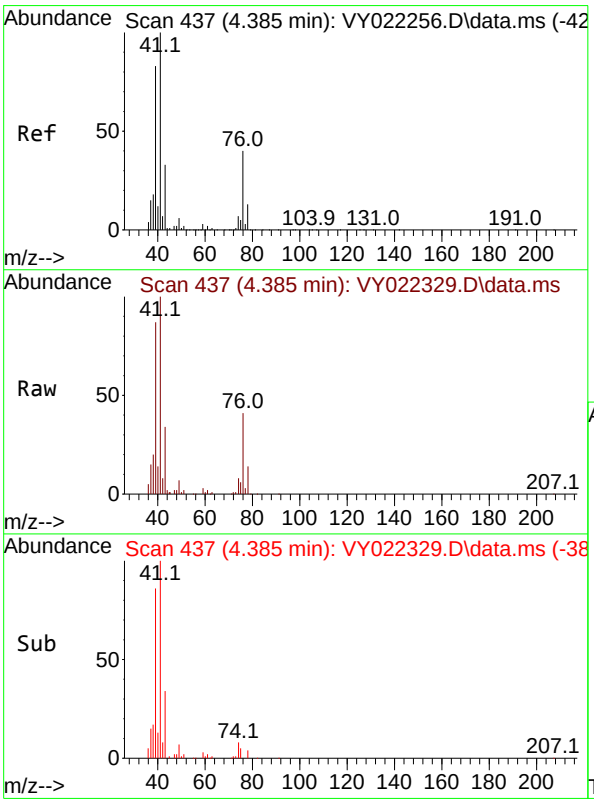
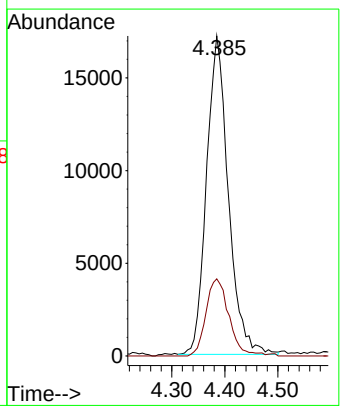
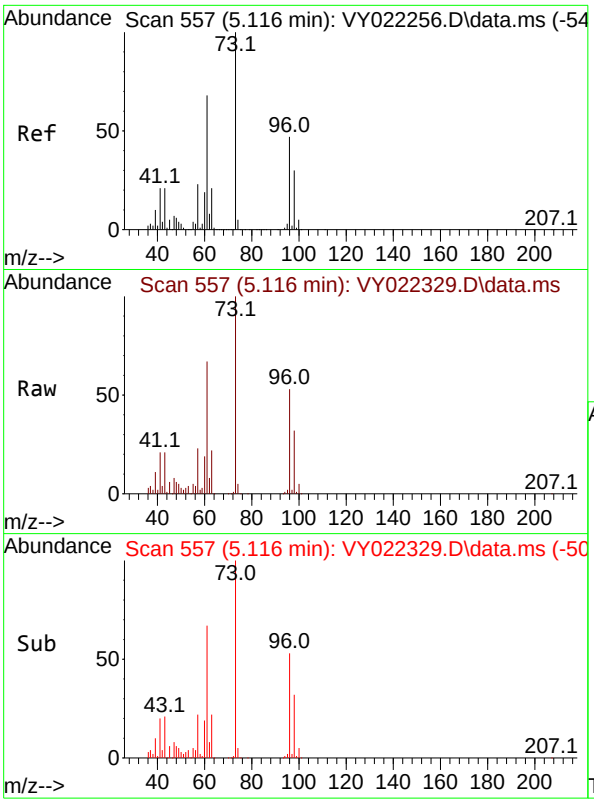


#18
Methyl Acetate
Concen: 42.141 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 49112

Ion	Ratio	Lower	Upper
43	100		
74	25.5	18.2	27.4

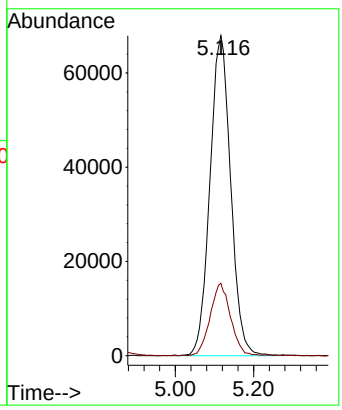




#19
Methyl tert-butyl Ether
Concen: 46.893 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 73 Resp: 24946

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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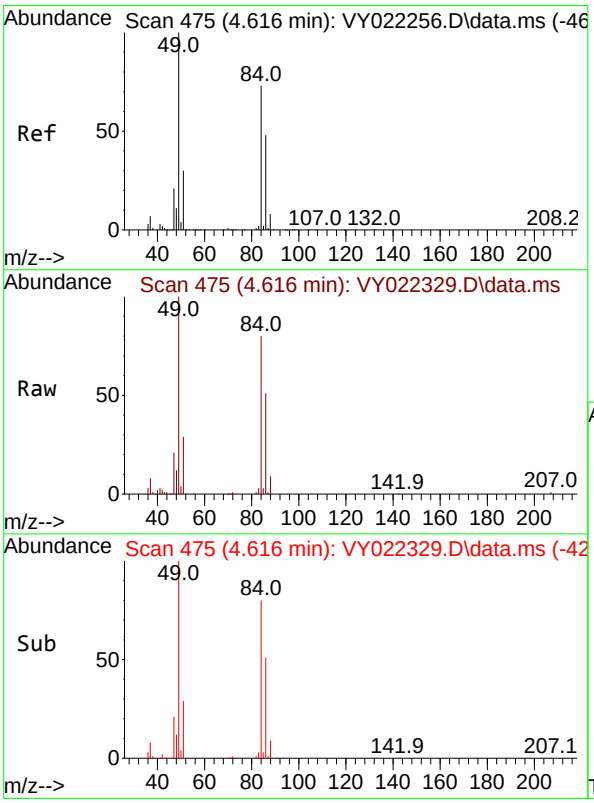
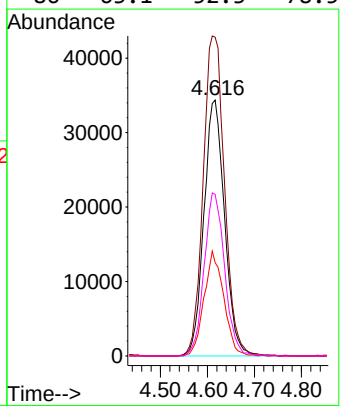
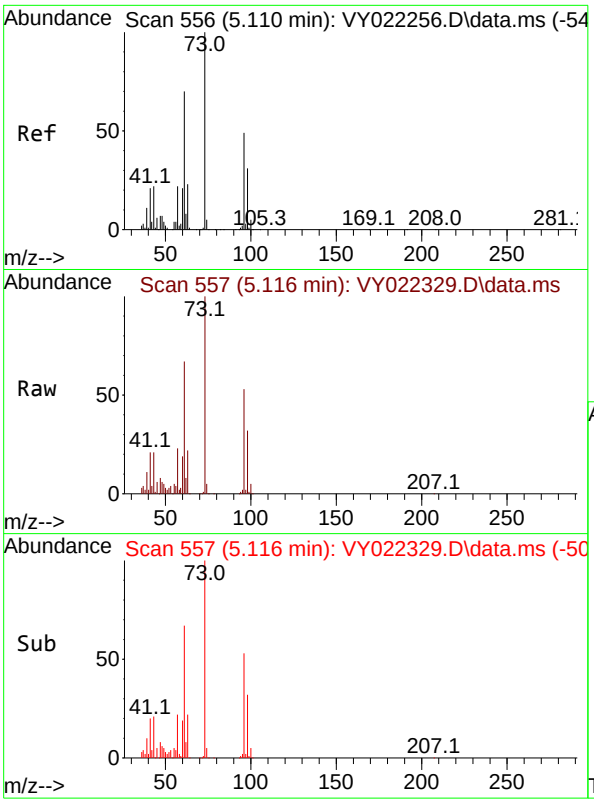


#20
Methylene Chloride
Concen: 43.941 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 84 Resp: 104952

Ion	Ratio	Lower	Upper
84	100		
49	124.6	109.6	164.4
51	36.5	32.4	48.6
86	63.1	52.3	78.5

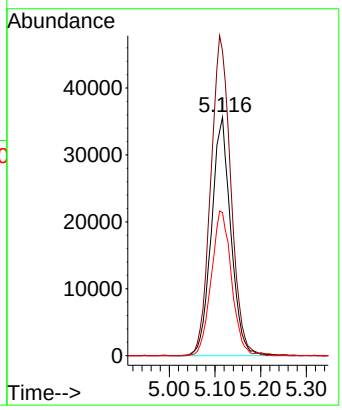




#21
trans-1,2-Dichloroethene
Concen: 49.353 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 96 Resp: 10510

Ion	Ratio	Lower	Upper
96	100		
61	127.6	113.4	170.0
98	60.0	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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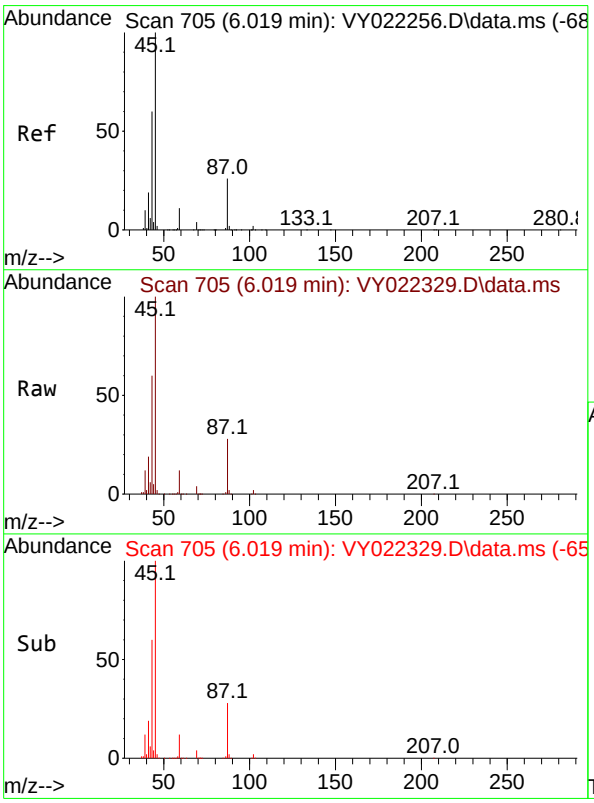
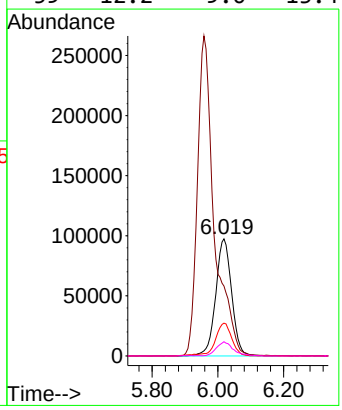
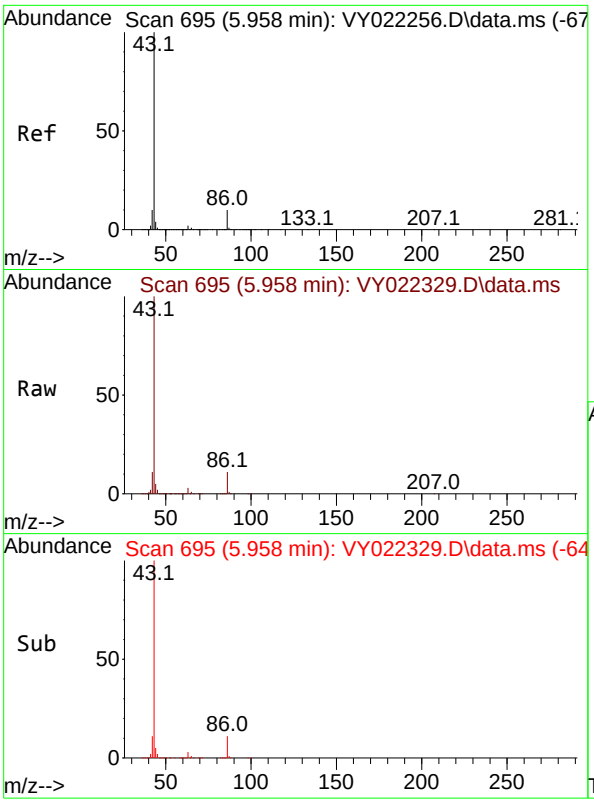


#22
Diisopropyl ether
Concen: 45.916 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 45 Resp: 328037

Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.2	72.2
87	28.0	21.4	32.0
59	12.2	9.0	13.4





#23
Vinyl Acetate
Concen: 219.054 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 94545

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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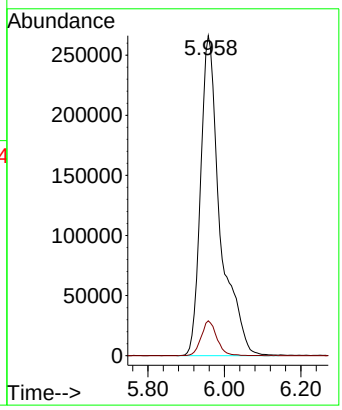
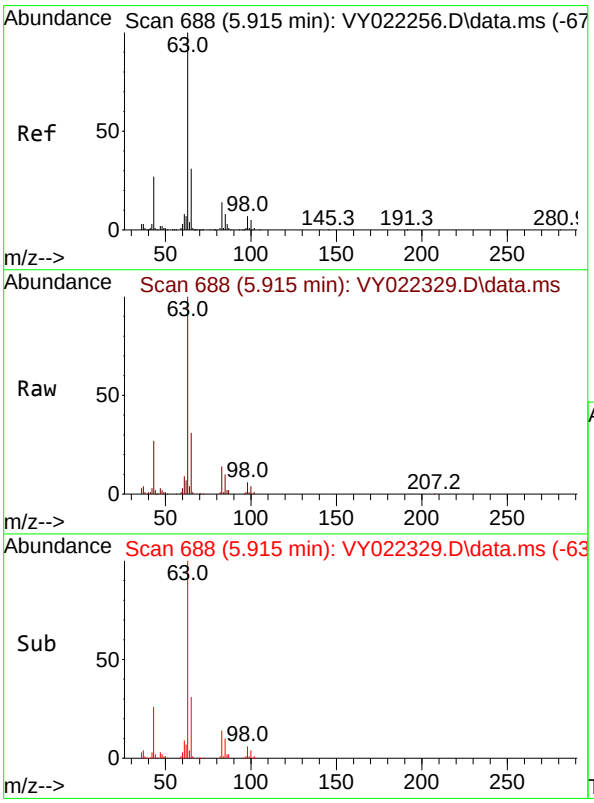
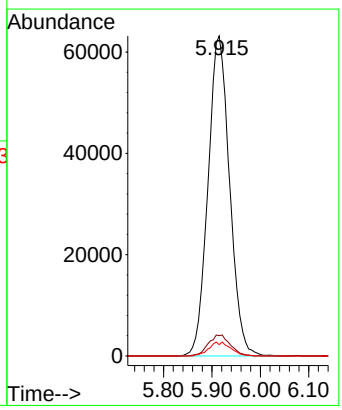


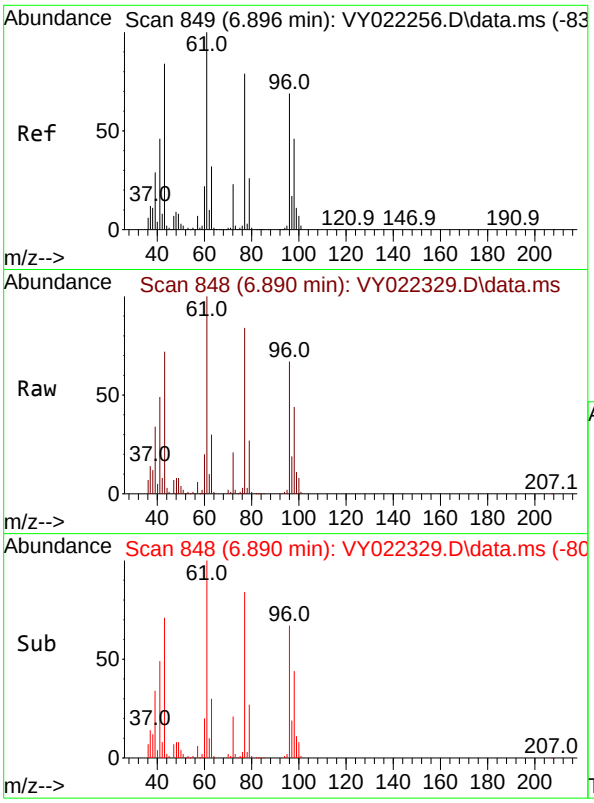


#24
1,1-Dichloroethane
Concen: 49.046 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 63 Resp: 195759

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	3.6	2.4	7.2





#25
2-Butanone
Concen: 214.116 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 13238

Ion	Ratio	Lower	Upper
43	100		
72	28.9	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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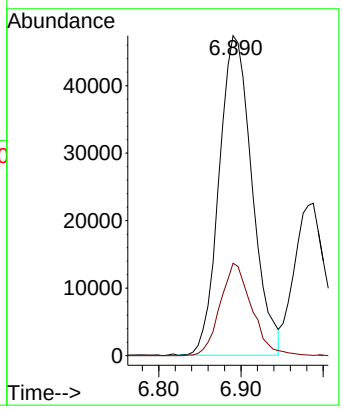
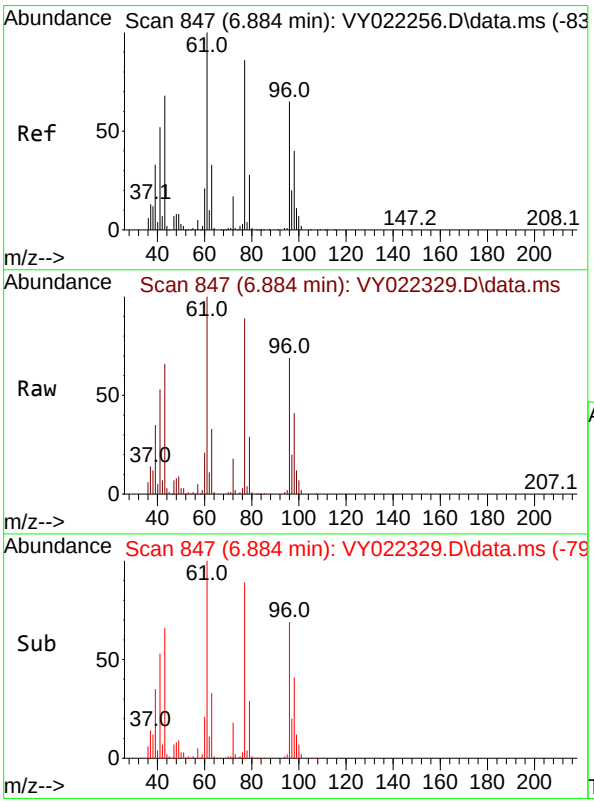
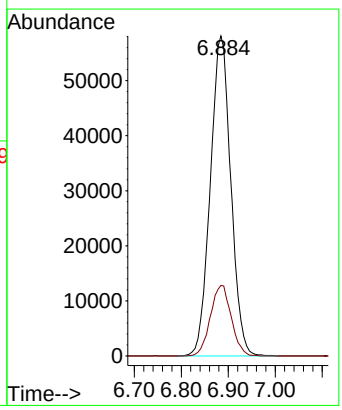


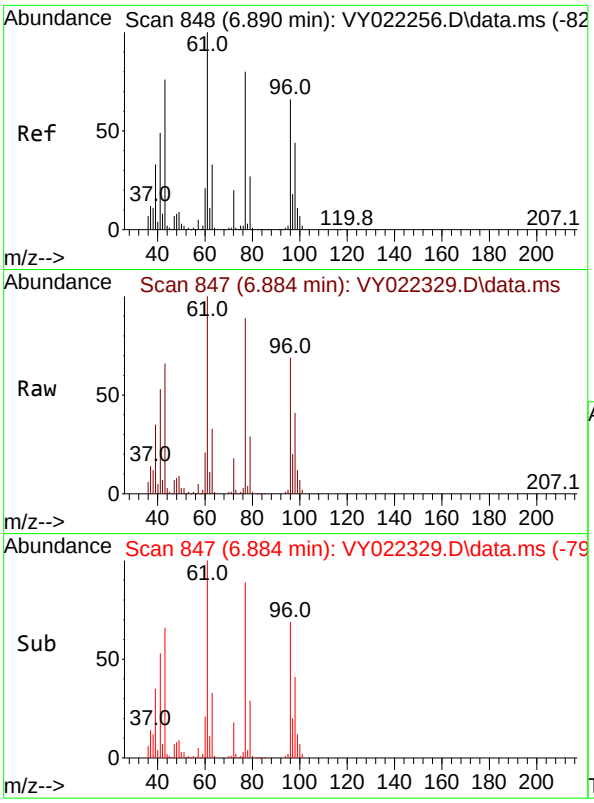


#26
2,2-Dichloropropane
Concen: 49.606 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 77 Resp: 176104

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 50.159 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 96 Resp: 12326

Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	302.6
98	63.9	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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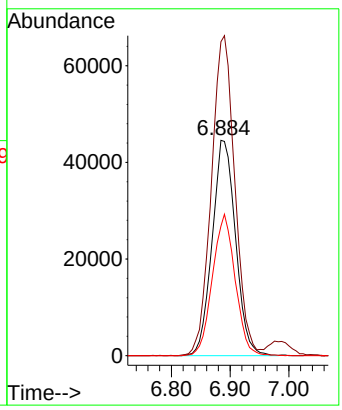
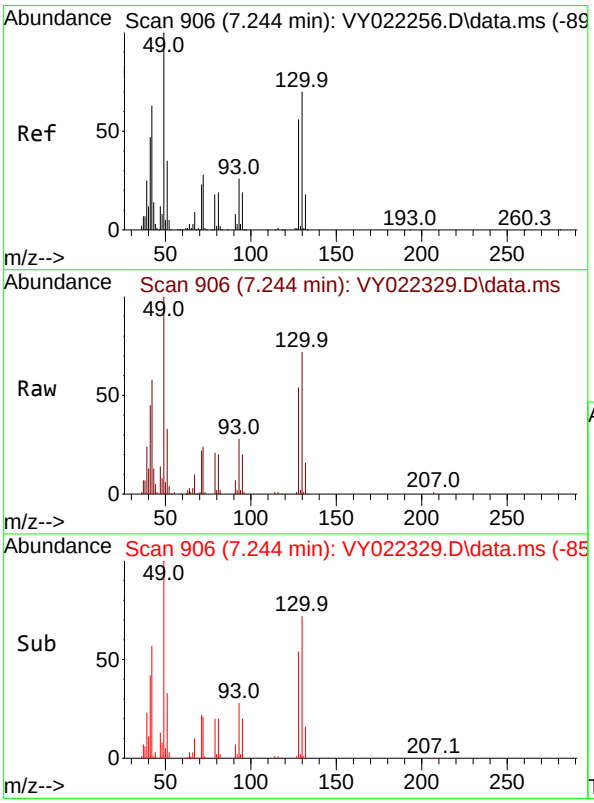
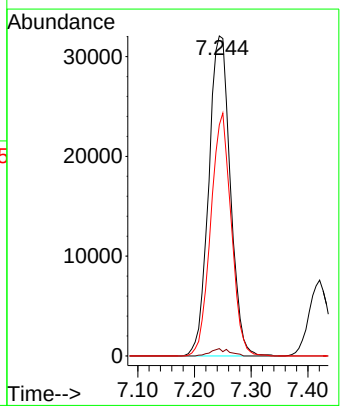


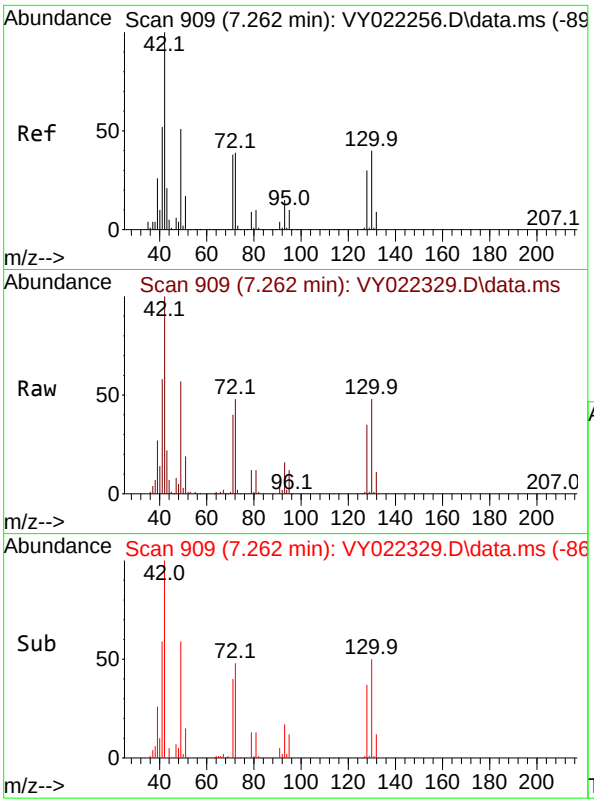


#28
Bromochloromethane
Concen: 49.834 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 49 Resp: 84842

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	71.9	54.7	82.1





#29
Tetrahydrofuran
Concen: 215.541 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 42 Resp: 8573

Ion	Ratio	Lower	Upper
42	100		
72	45.8	33.8	50.6
71	42.3	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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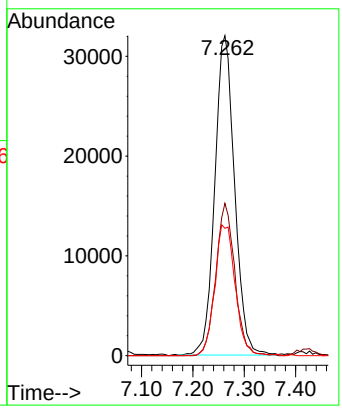
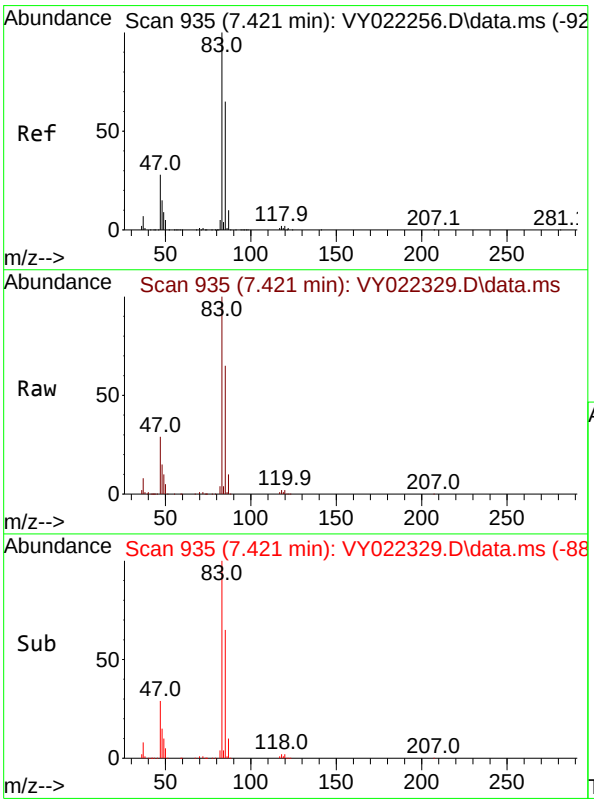
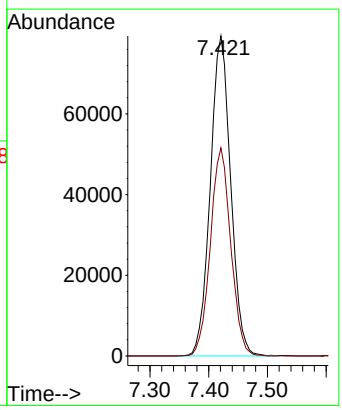


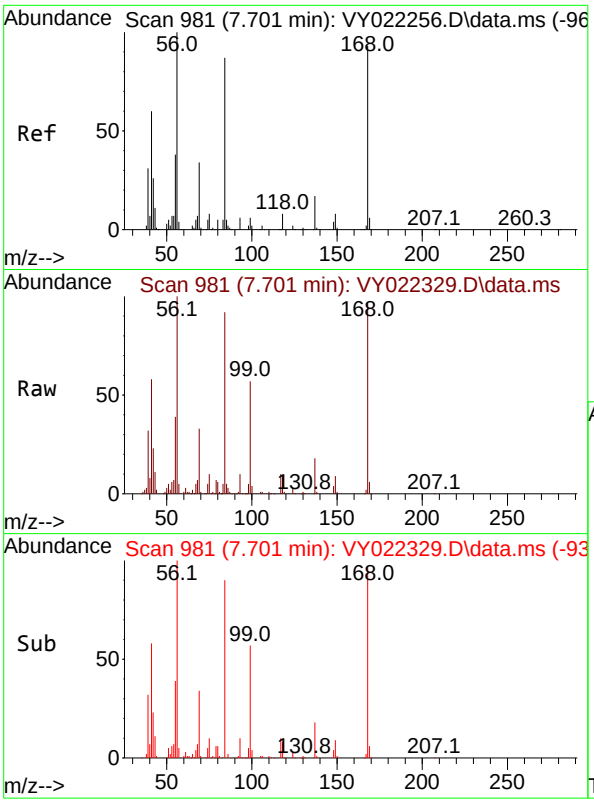


#30
Chloroform
Concen: 49.916 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 83 Resp: 191099

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8

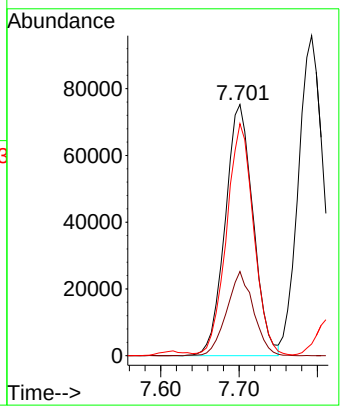




#31
Cyclohexane
Concen: 46.827 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 56 Resp: 18674

Ion	Ratio	Lower	Upper
56	100		
69	33.4	27.4	41.2
84	91.1	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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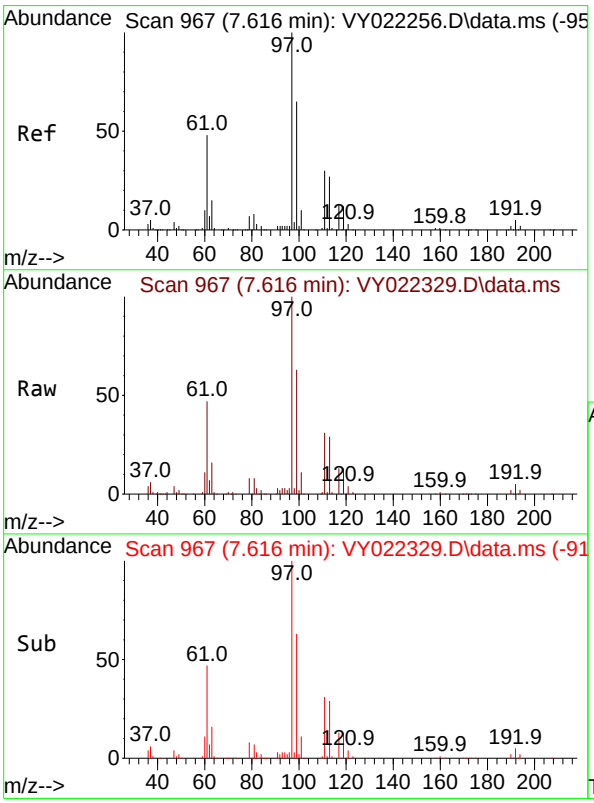
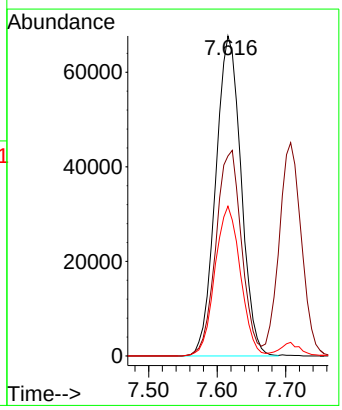
Supervised By :Semsettin Yesilyurt 05/21/2025

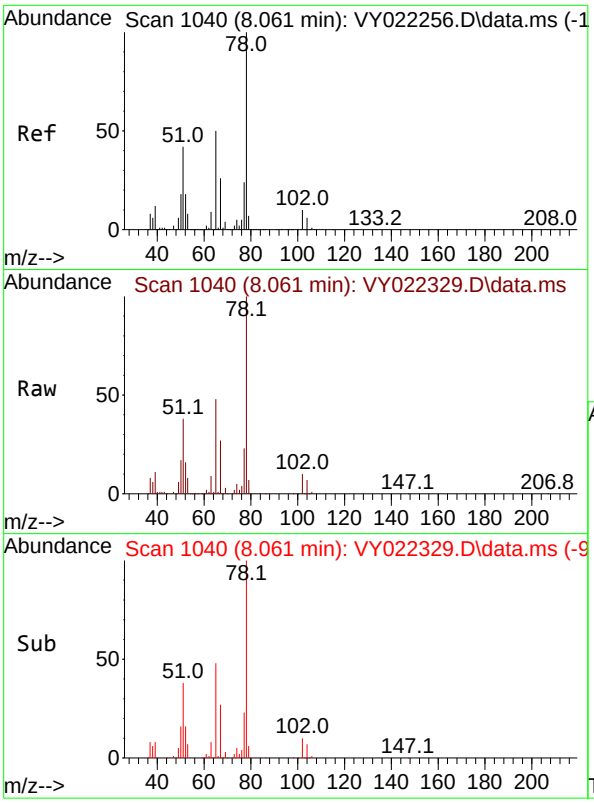


#32
1,1,1-Trichloroethane
Concen: 49.587 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 97 Resp: 174168

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	47.0	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 48.805 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 65 Resp: 9621

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

Instrument :
MSVOA_Y
ClientSampleId :
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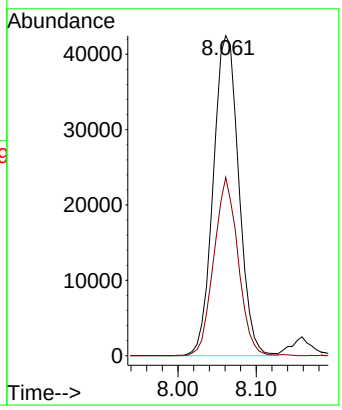
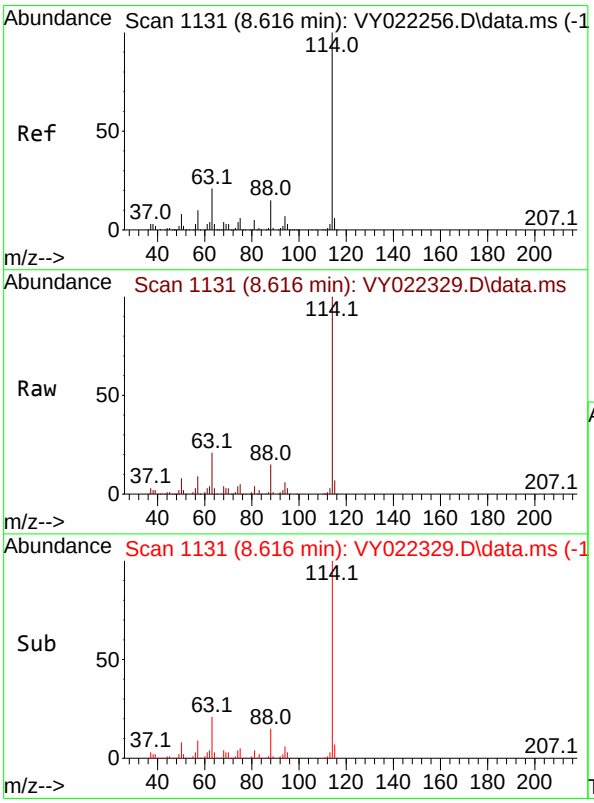
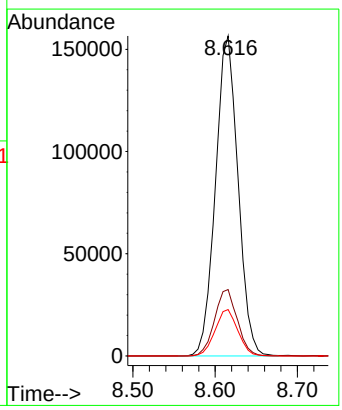


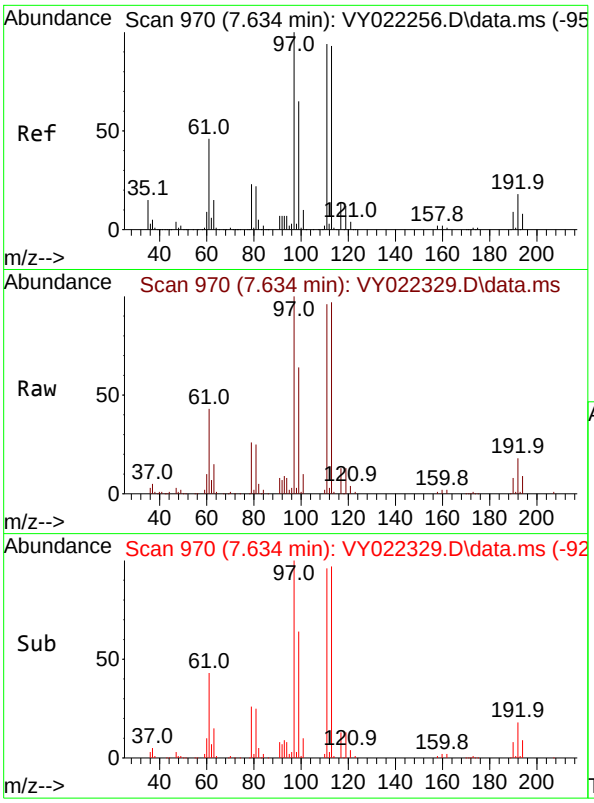


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:114 Resp: 298369

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	14.5	0.0	29.4

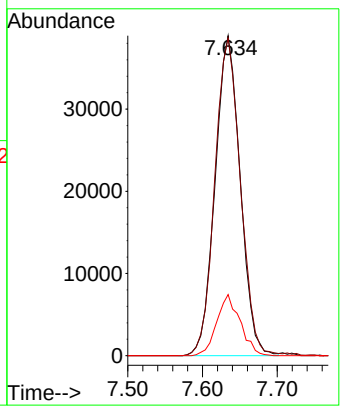




#35
Dibromofluoromethane
Concen: 51.076 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:113 Resp: 9095

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	17.8	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
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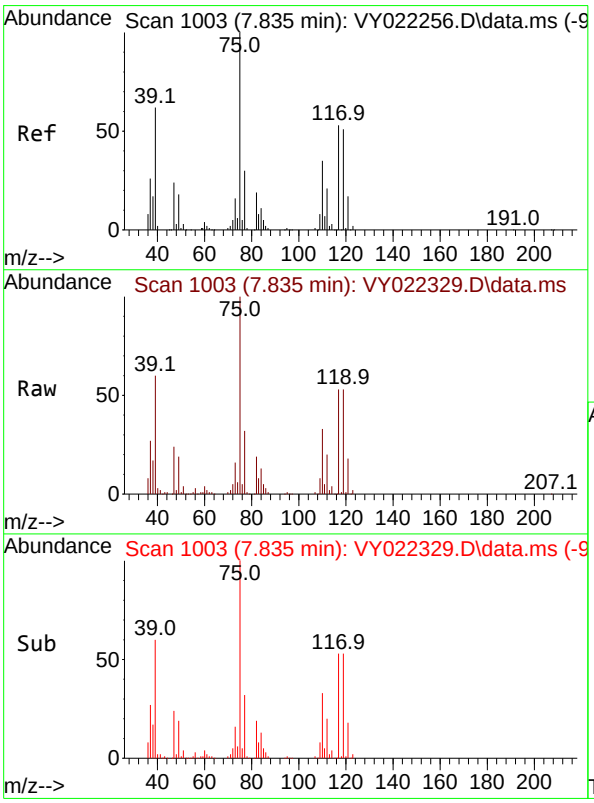
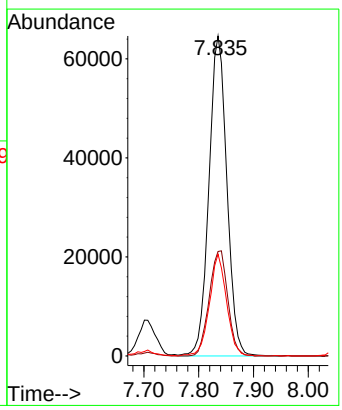
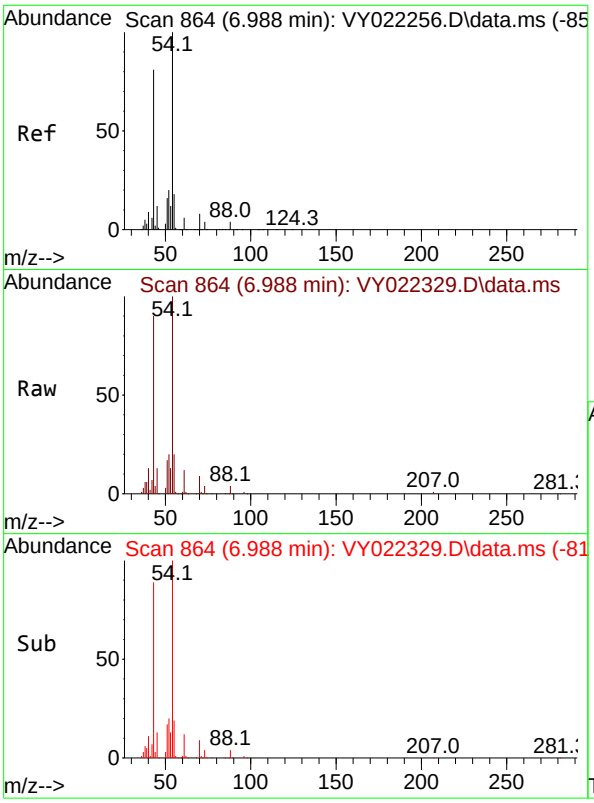


#36
1,1-Dichloropropene
Concen: 50.028 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 75 Resp: 146745

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.6	49.8
77	30.3	24.6	37.0





#37
Ethyl Acetate
Concen: 43.038 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 6074

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	9.7	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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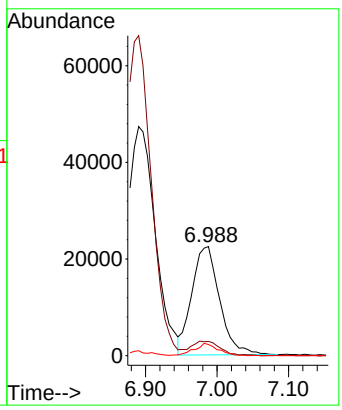
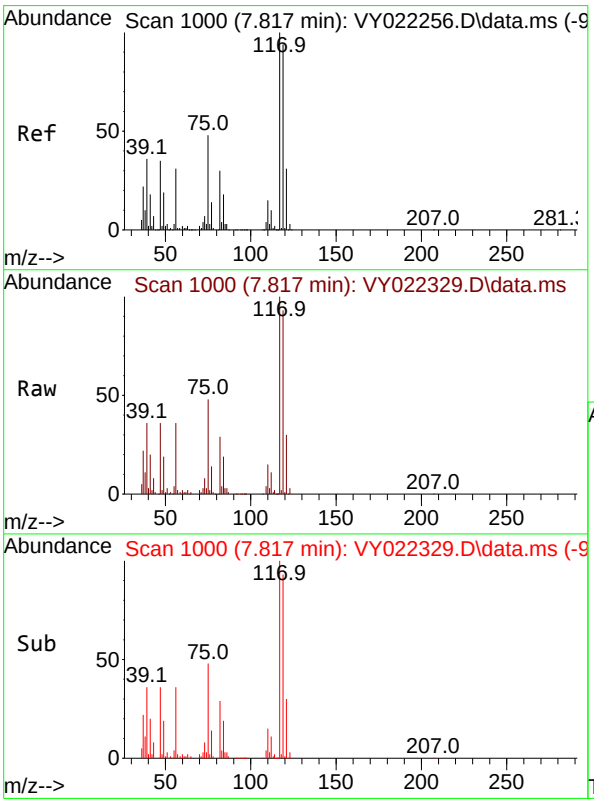
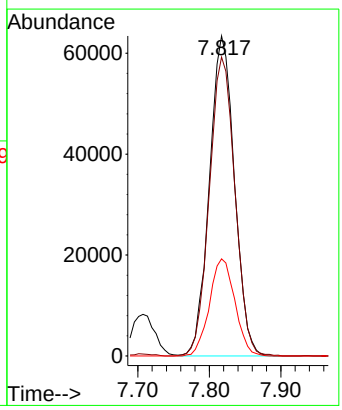


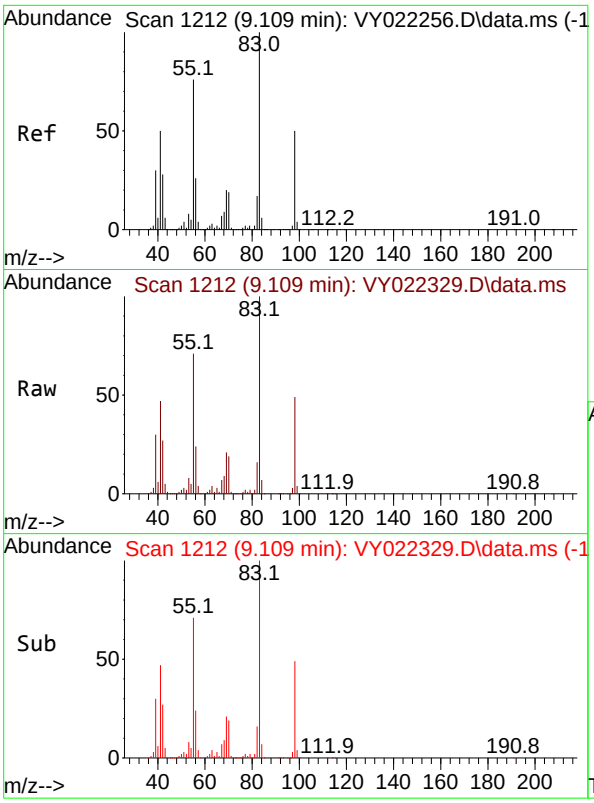


#38
Carbon Tetrachloride
Concen: 50.762 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:117 Resp: 154127

Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.3	112.9
121	30.4	24.7	37.1





#39
Methylcyclohexane
Concen: 50.127 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 83 Resp: 19754

Ion	Ratio	Lower	Upper
83	100		
55	71.5	60.6	90.8
98	48.9	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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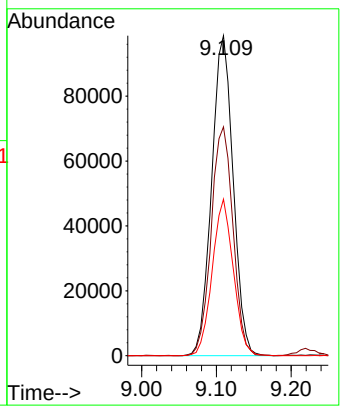
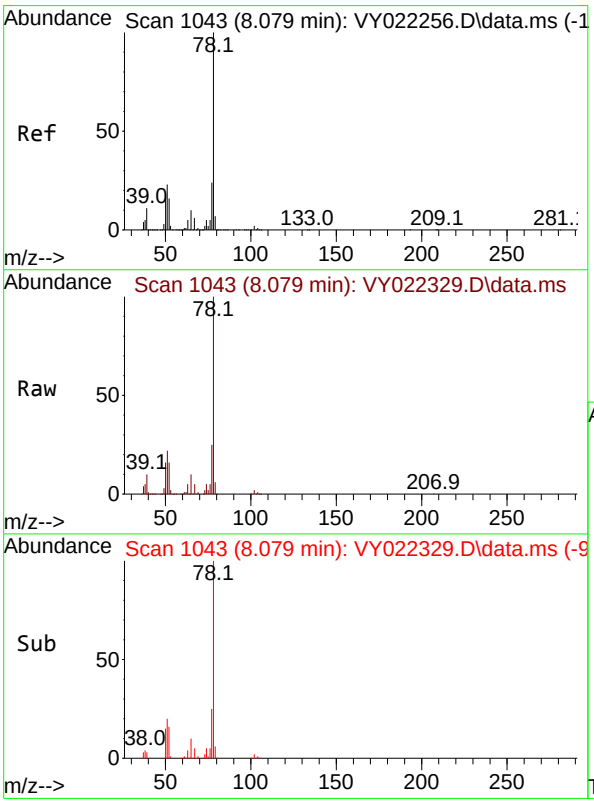
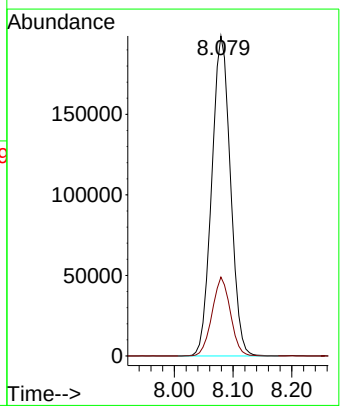


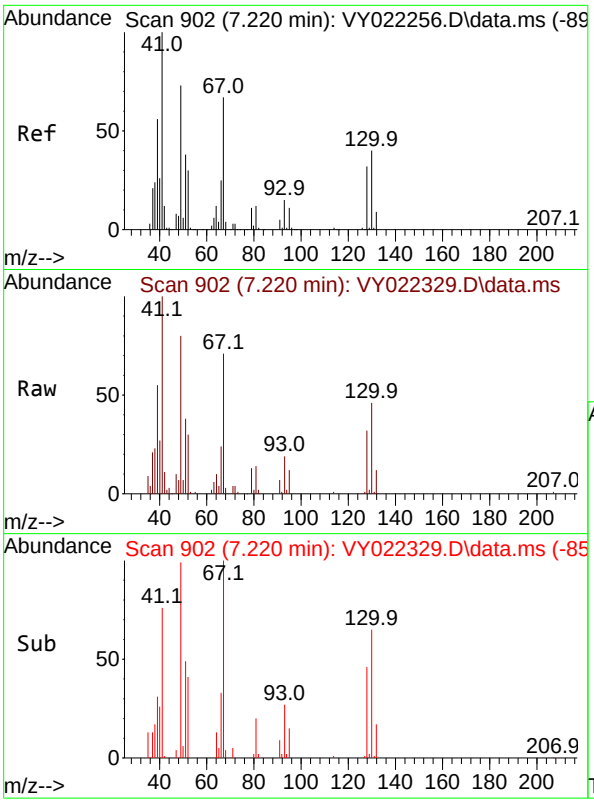


#40
Benzene
Concen: 50.555 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 78 Resp: 439609

Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.9	28.3

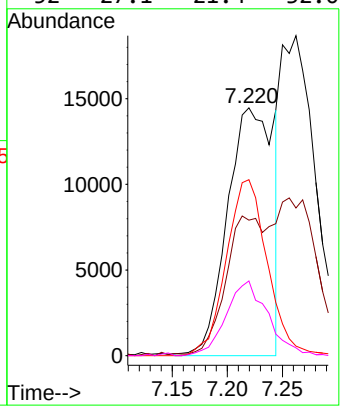




#41
Methacrylonitrile
Concen: 45.192 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 41 Resp: 4230

Ion	Ratio	Lower	Upper
41	100		
39	43.3	39.1	58.7
67	63.2	47.1	70.7
52	27.1	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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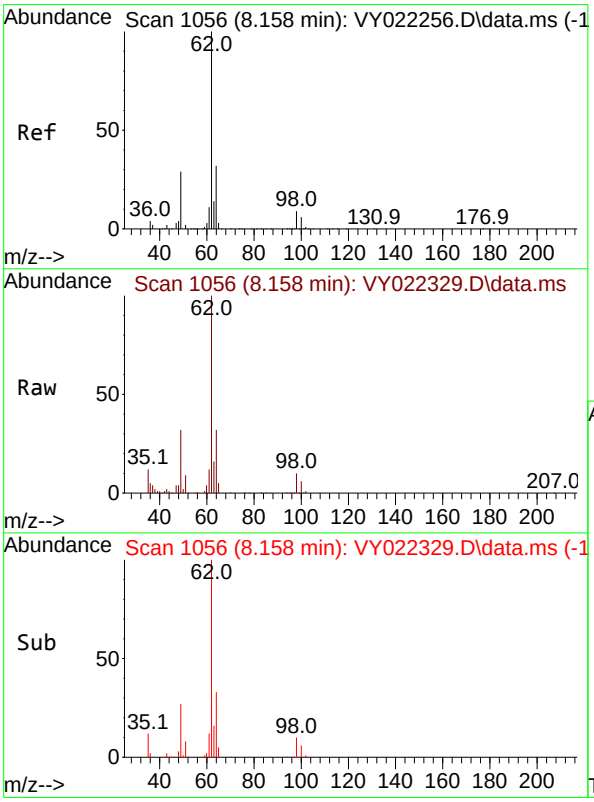
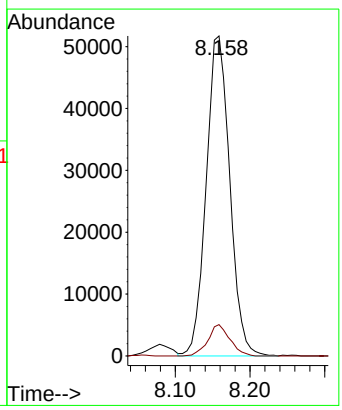
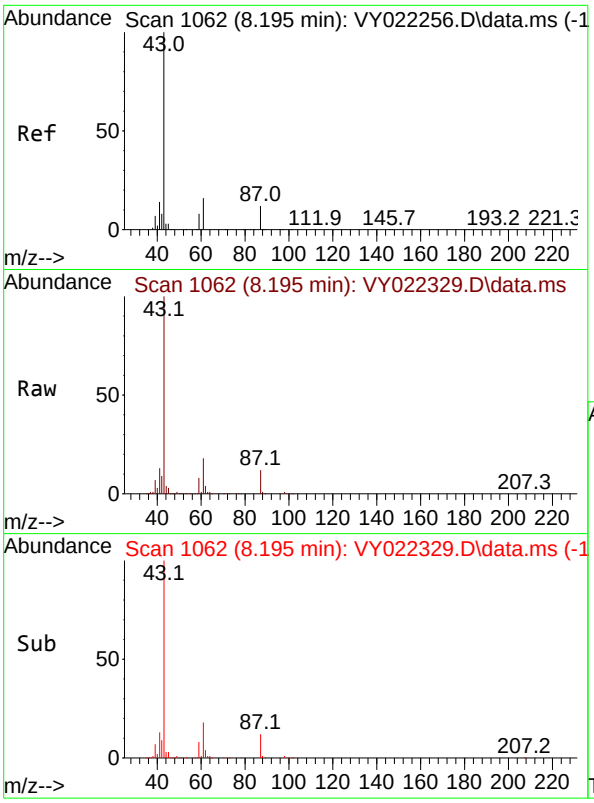


#42
1,2-Dichloroethane
Concen: 48.255 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 62 Resp: 113474

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4





#43
Isopropyl Acetate
Concen: 43.001 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 13235

Ion	Ratio	Lower	Upper
43	100		
61	28.5	15.1	22.7#
87	13.0	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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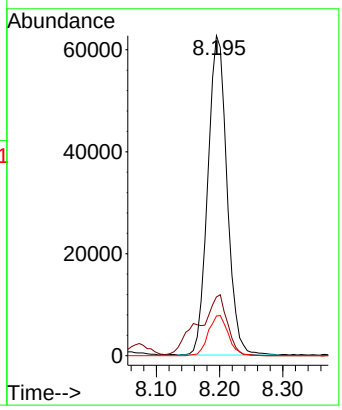
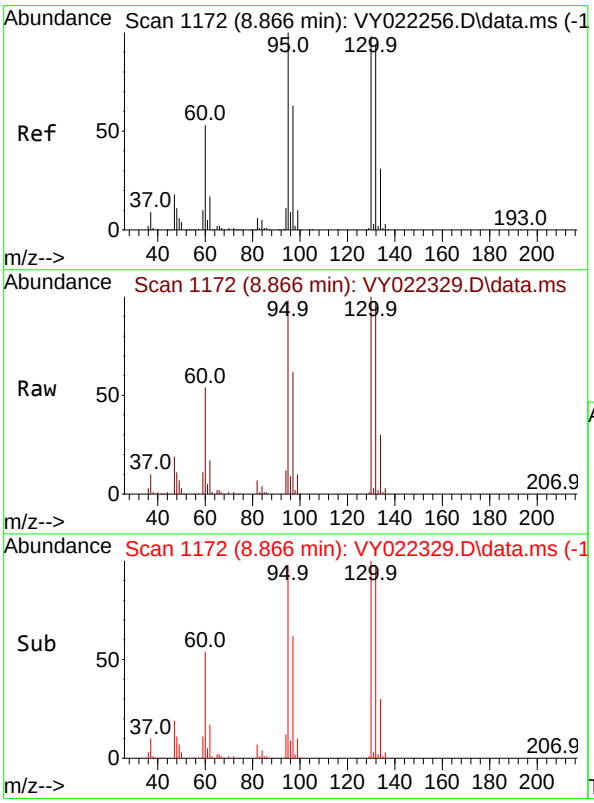
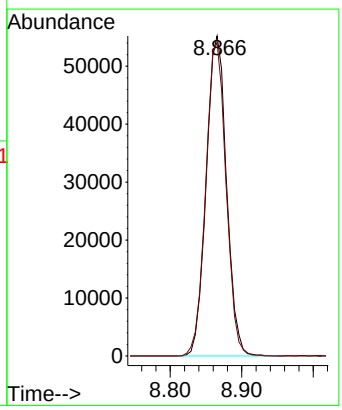


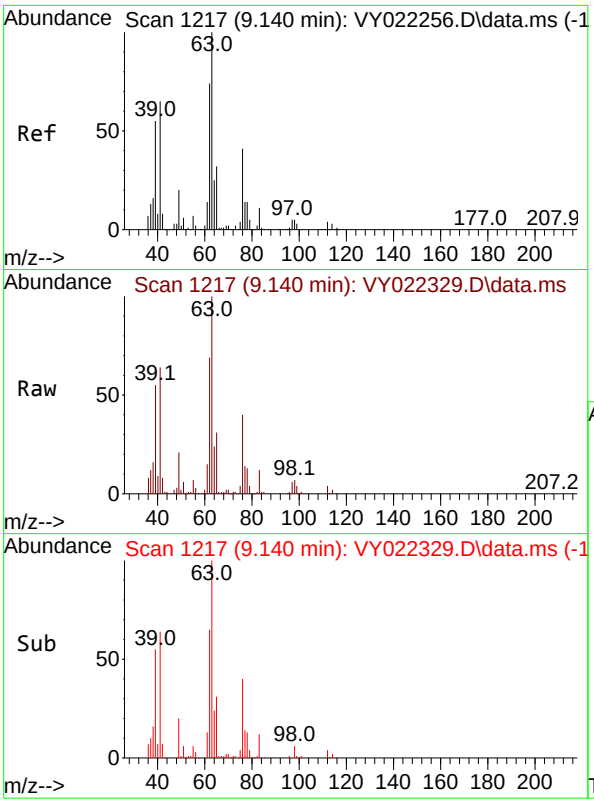


#44
Trichloroethene
Concen: 50.212 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:130 Resp: 108566

Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	204.8

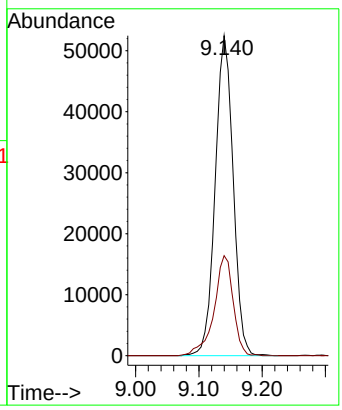




#45
1,2-Dichloropropane
Concen: 49.181 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 63 Resp: 10310

Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
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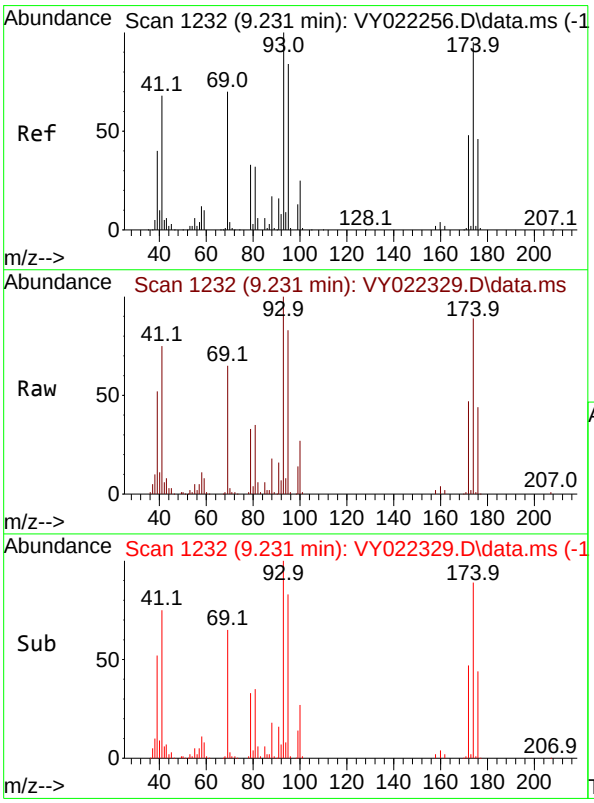
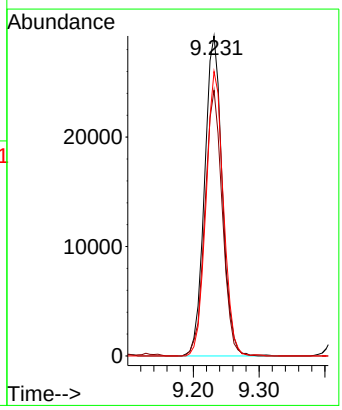
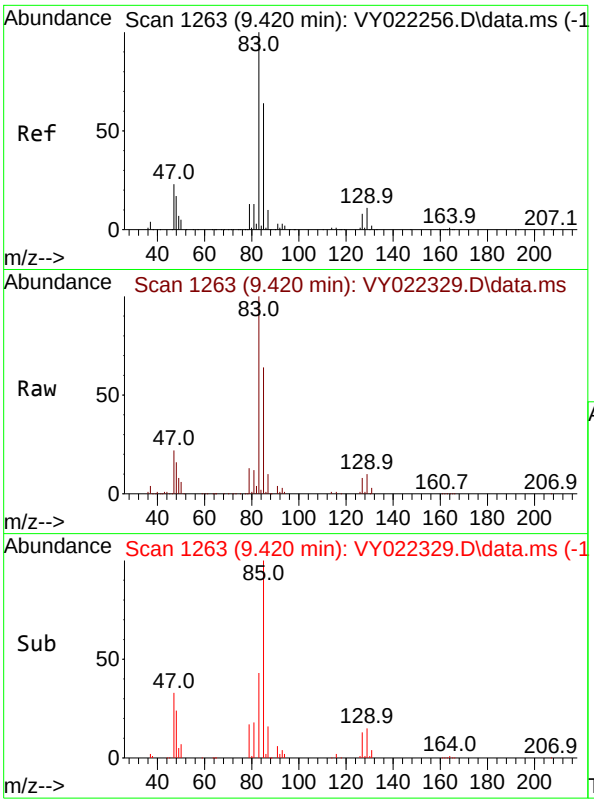


#46
Dibromomethane
Concen: 48.227 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 93 Resp: 54532

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.2	97.8
174	87.8	74.3	111.5

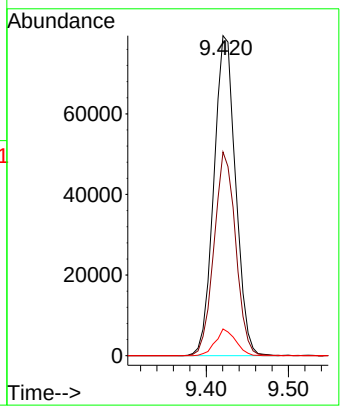




#47
Bromodichloromethane
Concen: 49.724 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 83 Resp: 14586

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	8.4	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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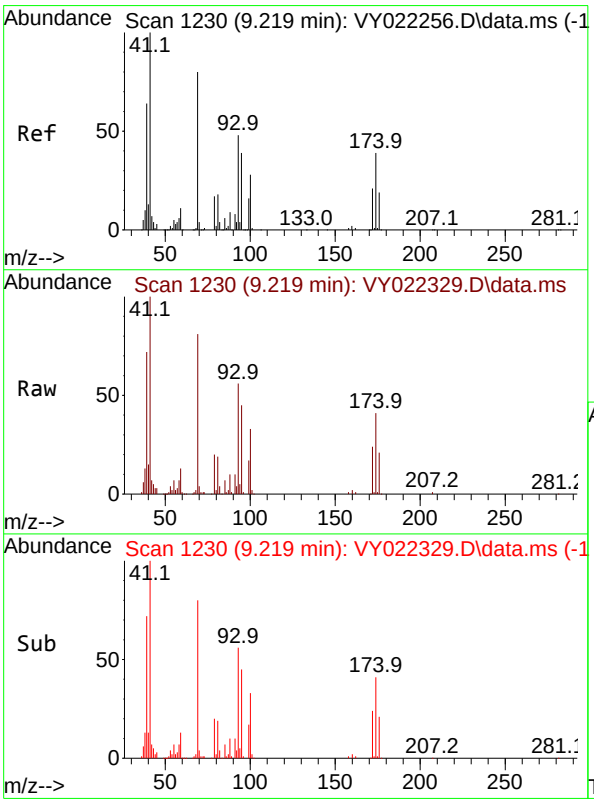
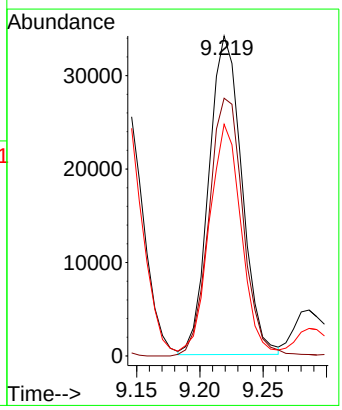
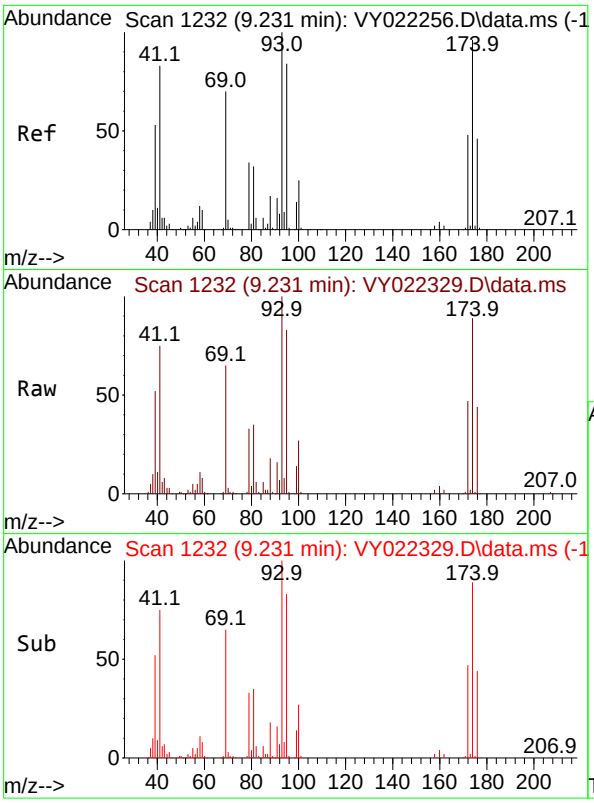


#48
Methyl methacrylate
Concen: 42.873 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 41 Resp: 61712

Ion	Ratio	Lower	Upper
41	100		
69	84.2	63.5	95.3
39	68.0	50.8	76.2

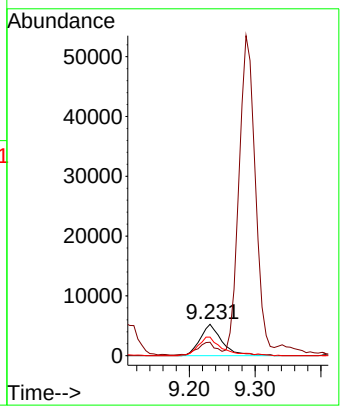




#49
1,4-Dioxane
Concen: 945.674 ug/l
RT: 9.231 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 88 Resp: 1208

Ion	Ratio	Lower	Upper
88	100		
43	34.0	28.5	42.7
58	65.6	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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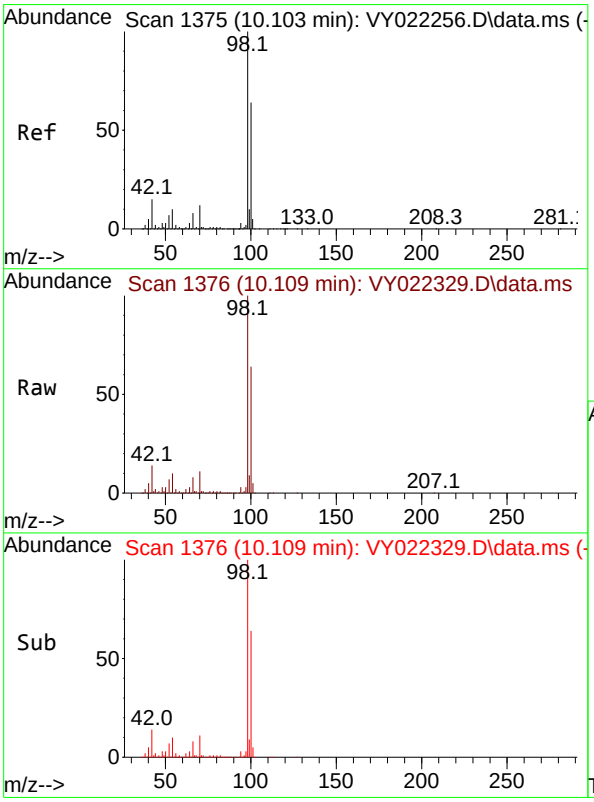
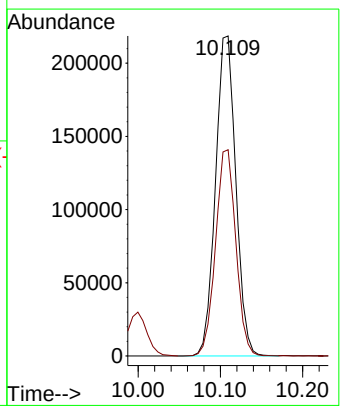
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

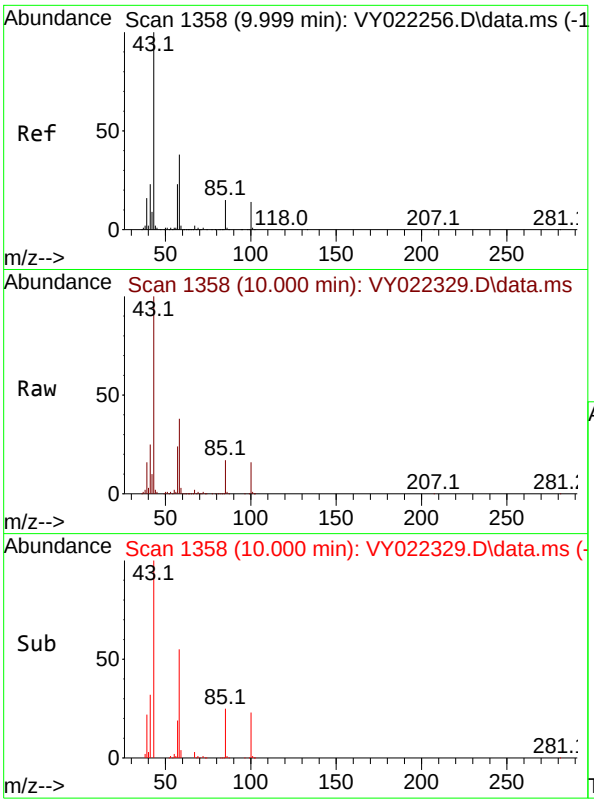


#50
Toluene-d8
Concen: 51.484 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 98 Resp: 375501

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

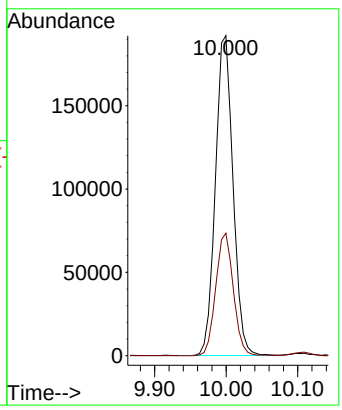




#51
4-Methyl-2-Pentanone
Concen: 217.386 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 32831

Ion	Ratio	Lower	Upper
43	100		
58	38.3	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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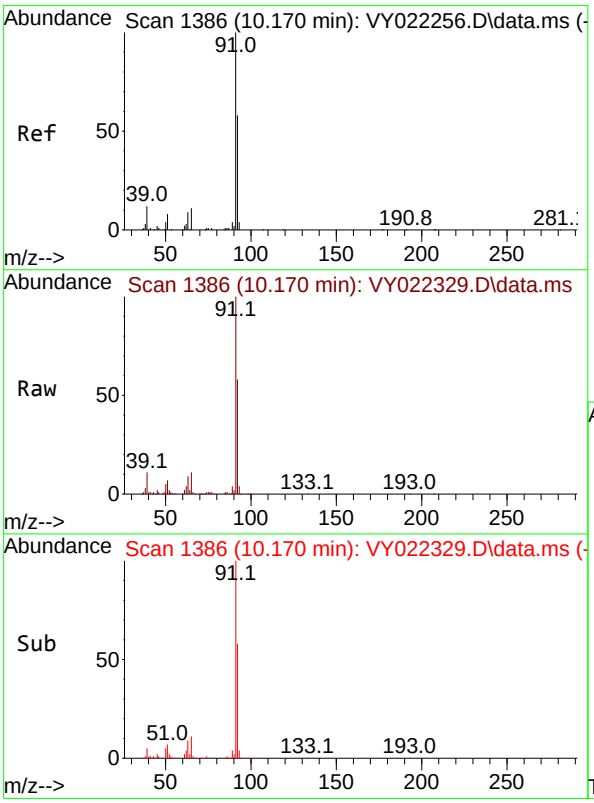
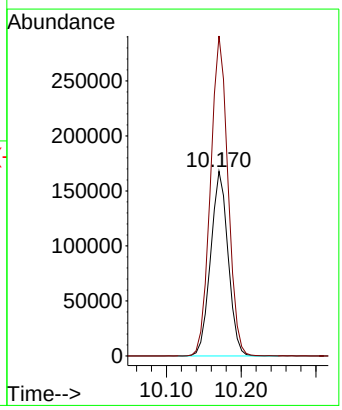
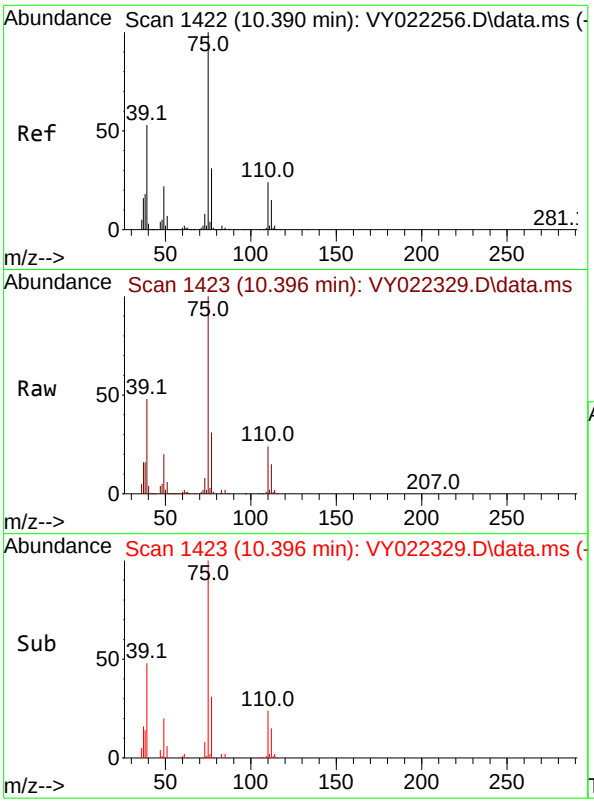


#52
Toluene
Concen: 49.403 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 92 Resp: 272032

Ion	Ratio	Lower	Upper
92	100		
91	173.8	139.1	208.7

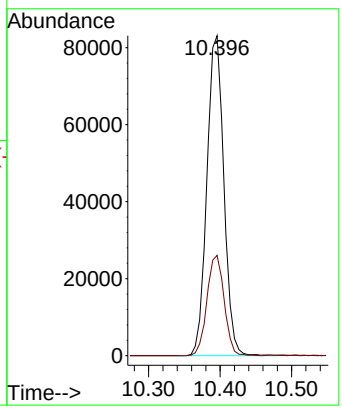




#53
t-1,3-Dichloropropene
Concen: 47.744 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 75 Resp: 13668

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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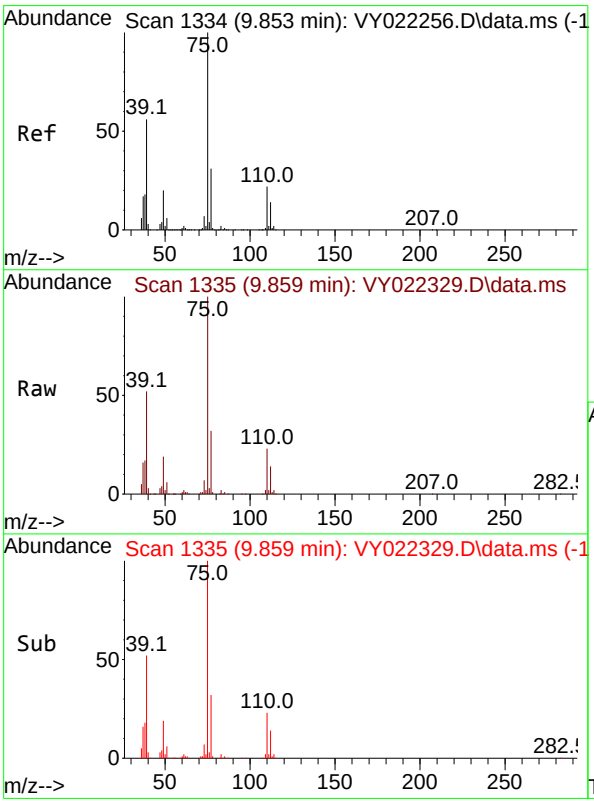
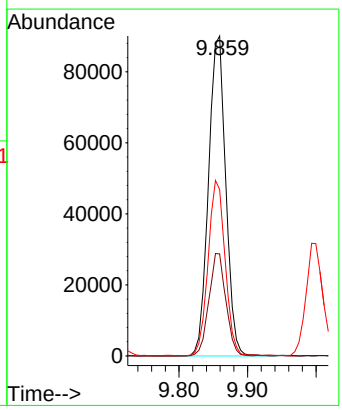
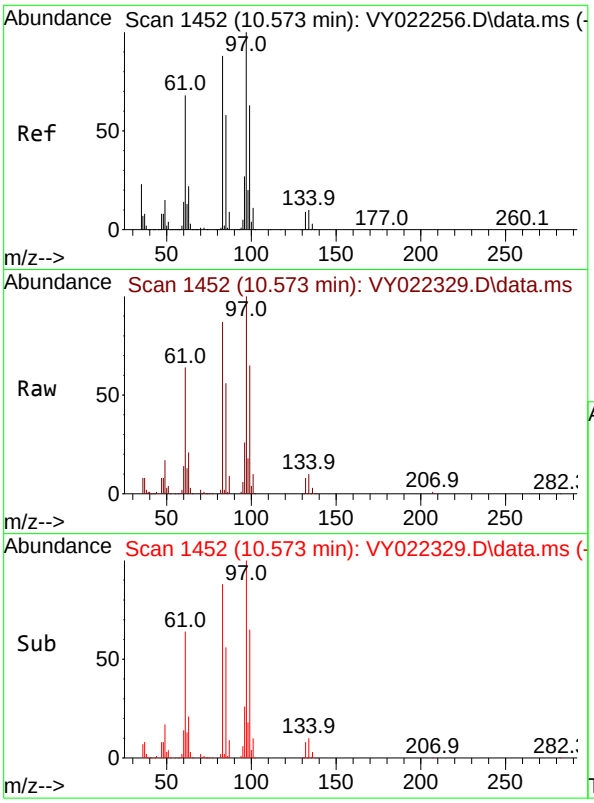


#54
cis-1,3-Dichloropropene
Concen: 48.006 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 75 Resp: 157453

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	51.9	44.5	66.7

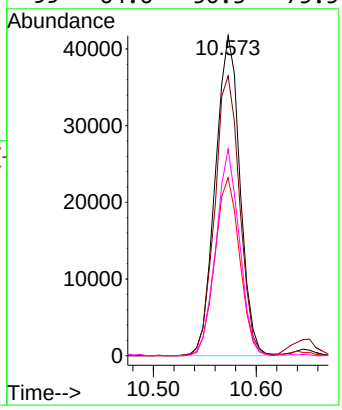




#55
1,1,2-Trichloroethane
Concen: 48.082 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 97 Resp: 6962

Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.3	105.5
85	55.6	46.2	69.4
99	64.6	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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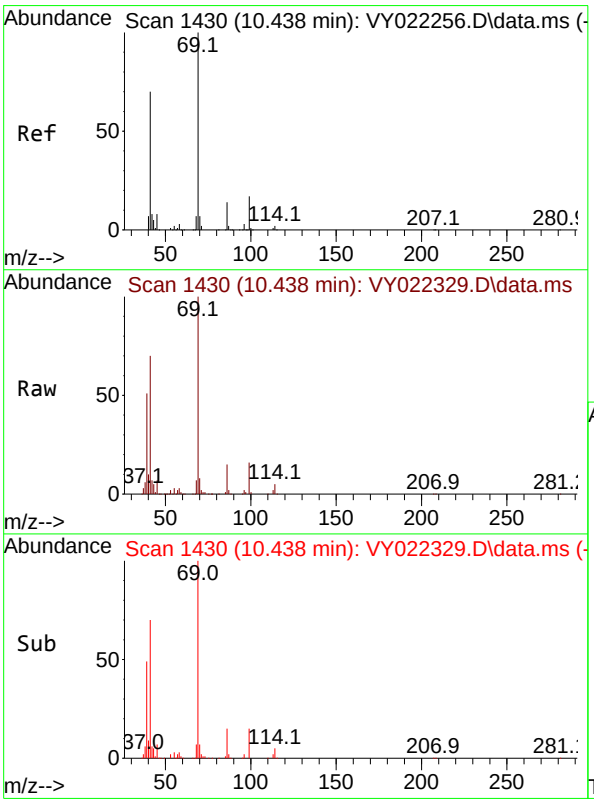
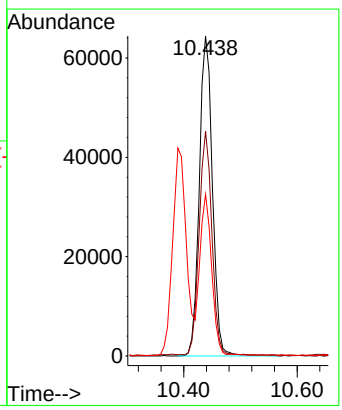
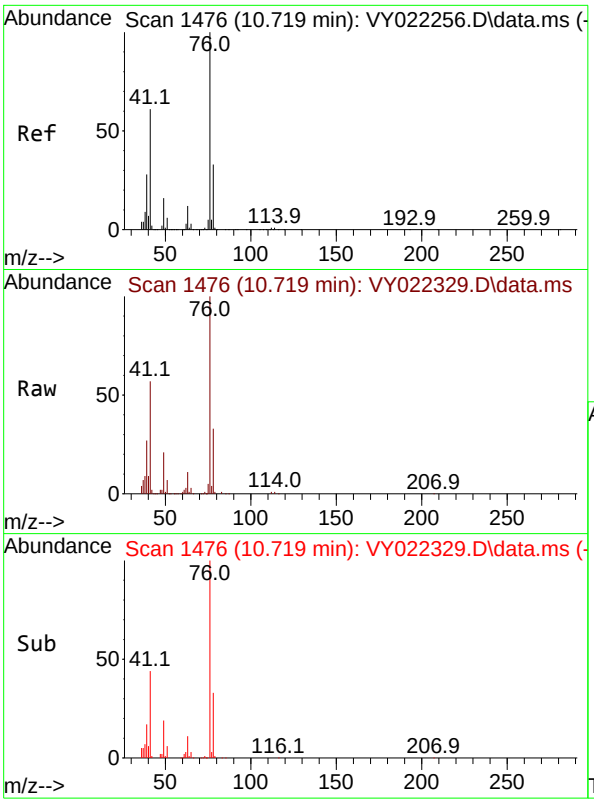


#56
Ethyl methacrylate
Concen: 45.862 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 69 Resp: 103441

Ion	Ratio	Lower	Upper
69	100		
41	68.0	56.5	84.7
39	44.0	37.1	55.7

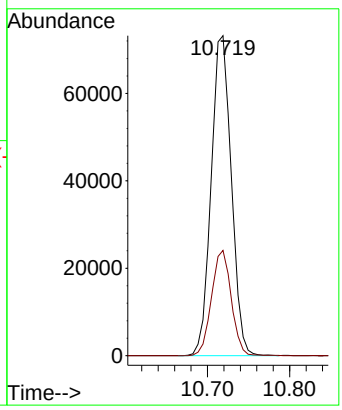




#57
1,3-Dichloropropane
Concen: 48.388 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 76 Resp: 12448

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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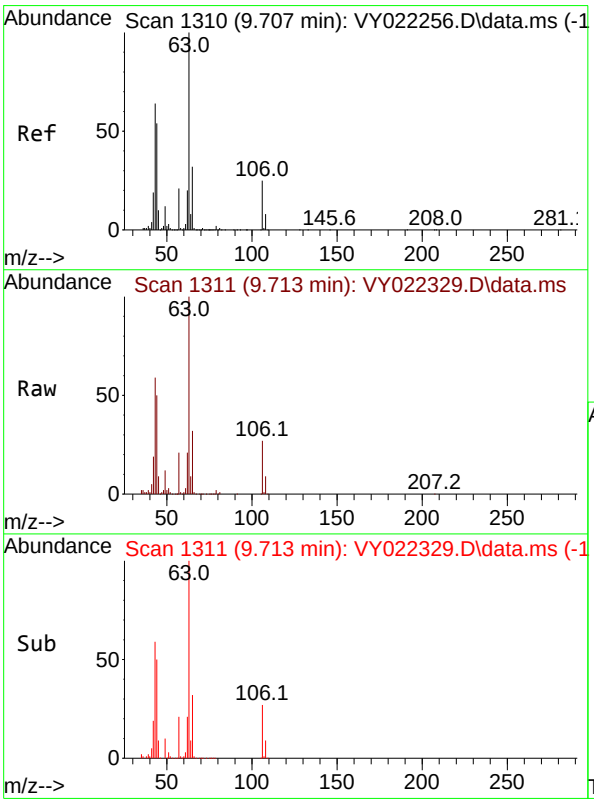
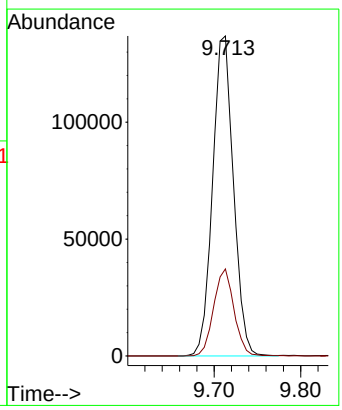
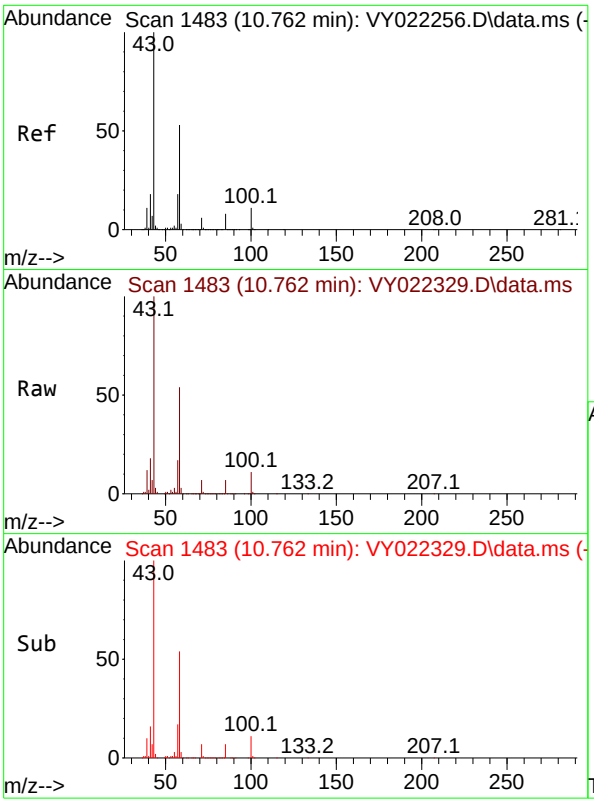


#58
2-Chloroethyl Vinyl ether
Concen: 226.074 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 63 Resp: 228868

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.4





#59
2-Hexanone
Concen: 214.015 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 21671

Ion	Ratio	Lower	Upper
43	100		
58	54.2	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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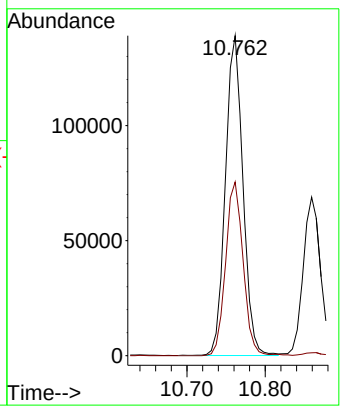
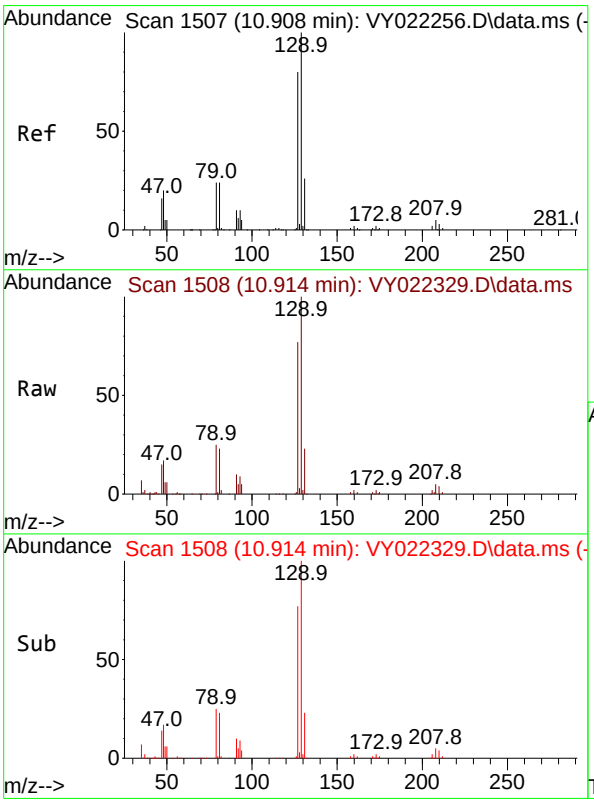
Supervised By :Semsettin Yesilyurt 05/21/2025

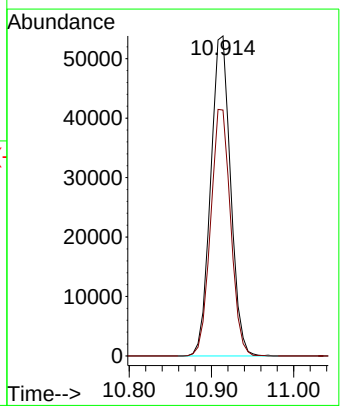


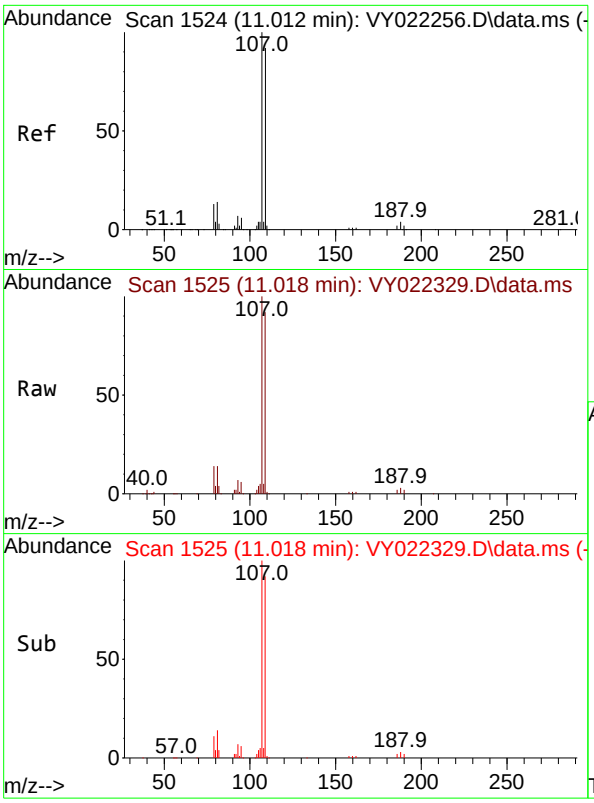


#60
Dibromochloromethane
Concen: 48.185 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:129 Resp: 90557

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.6	115.7





#61
1,2-Dibromoethane
Concen: 47.659 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:107 Resp: 6431

Ion	Ratio	Lower	Upper
107	100		
109	93.8	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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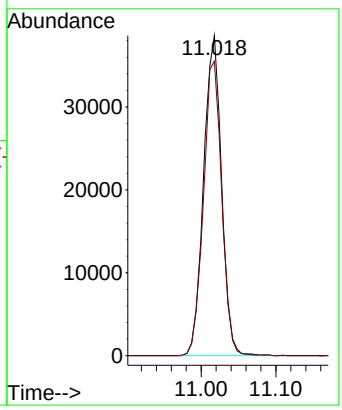
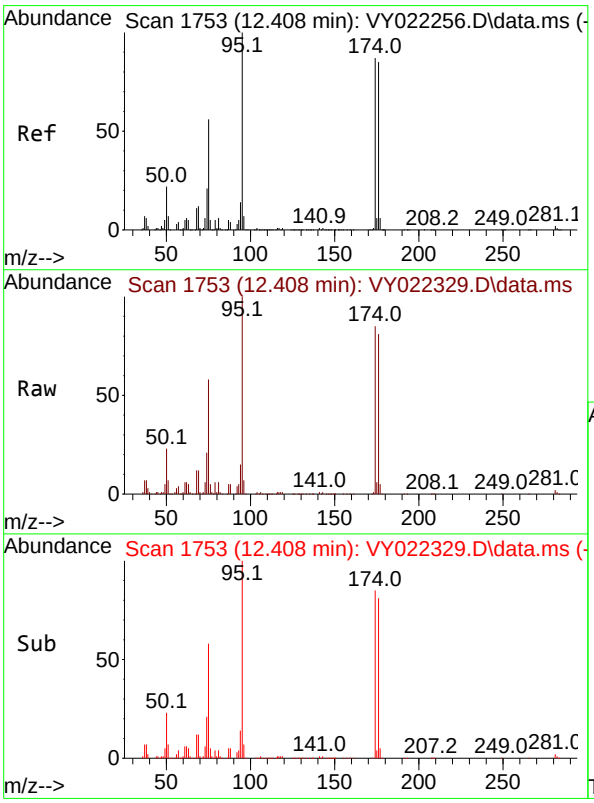
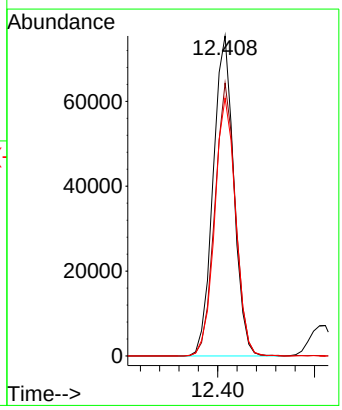


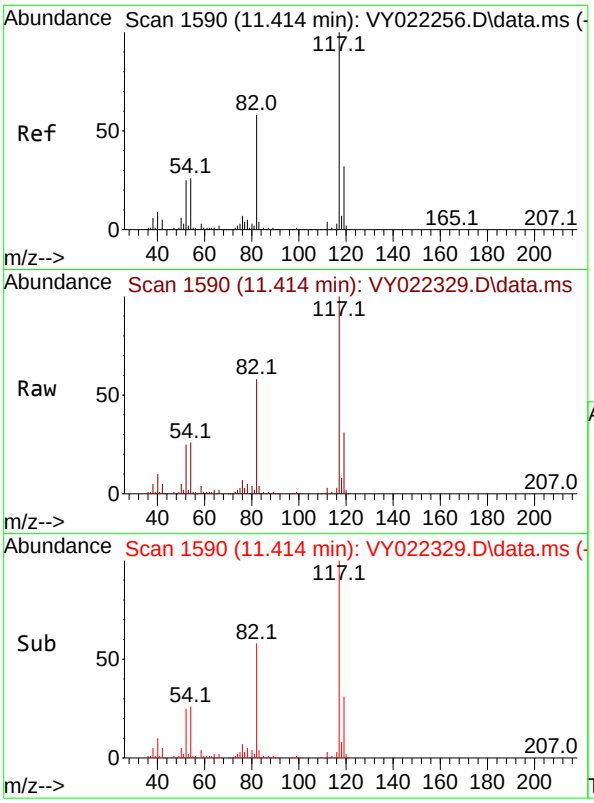


#62
4-Bromofluorobenzene
Concen: 48.365 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 95 Resp: 111811

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	166.8
176	81.8	0.0	160.8

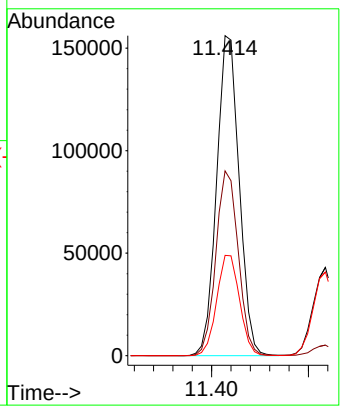




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:117 Resp: 25239

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.6	70.0
119	31.3	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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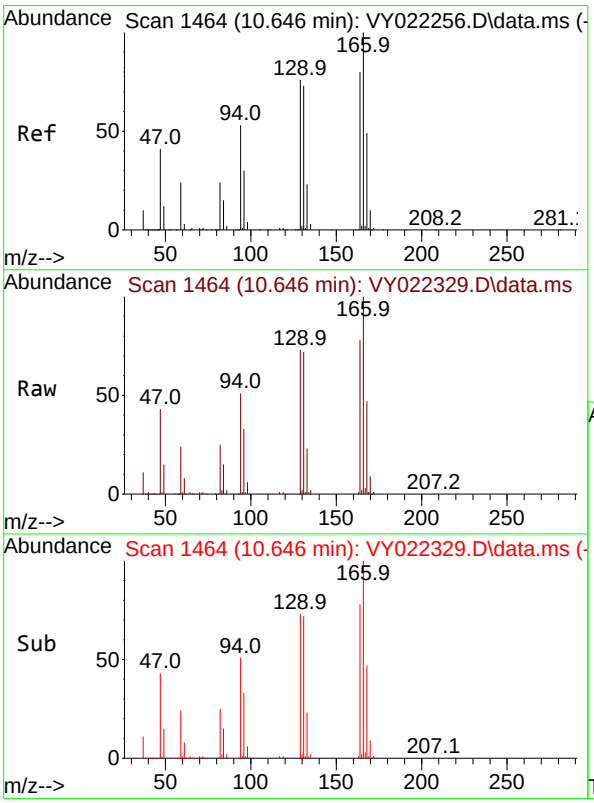
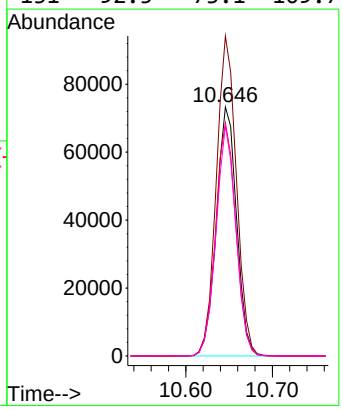
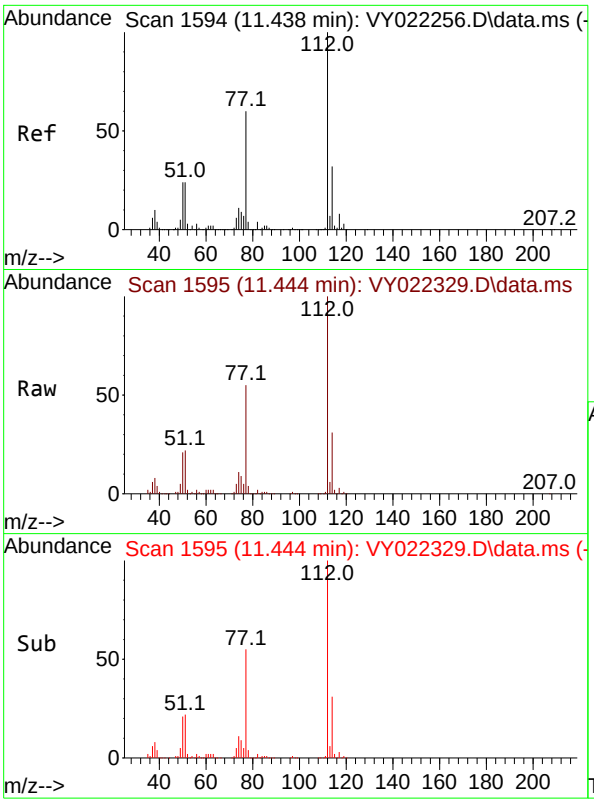


#64
Tetrachloroethene
Concen: 50.915 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:164 Resp: 118778

Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.4	150.6
129	93.6	76.4	114.6
131	92.5	73.1	109.7

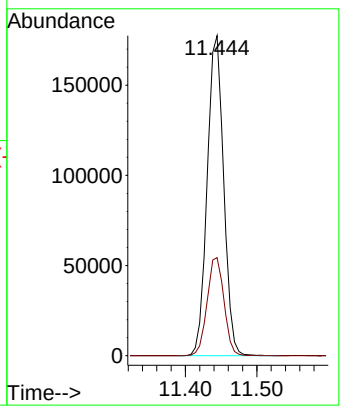




#65
Chlorobenzene
Concen: 49.729 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:112 Resp: 28316

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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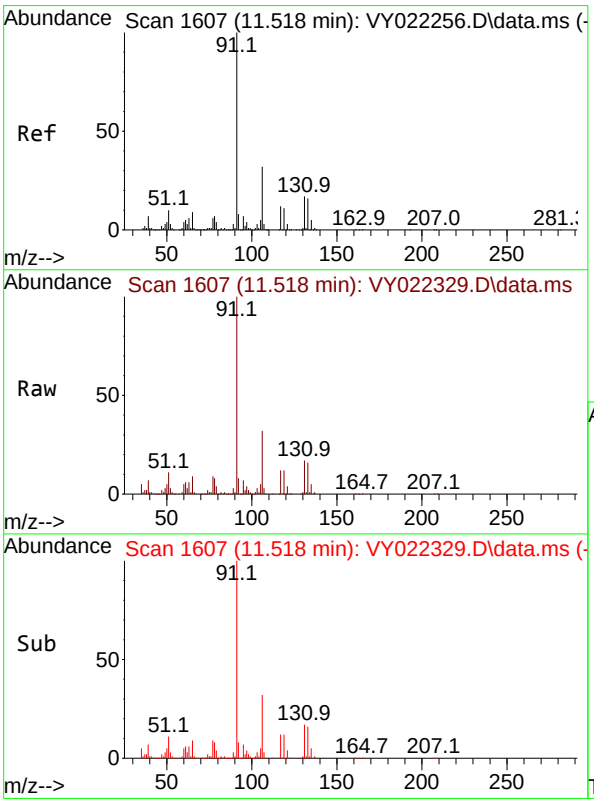
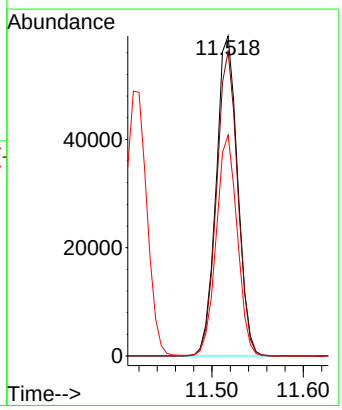
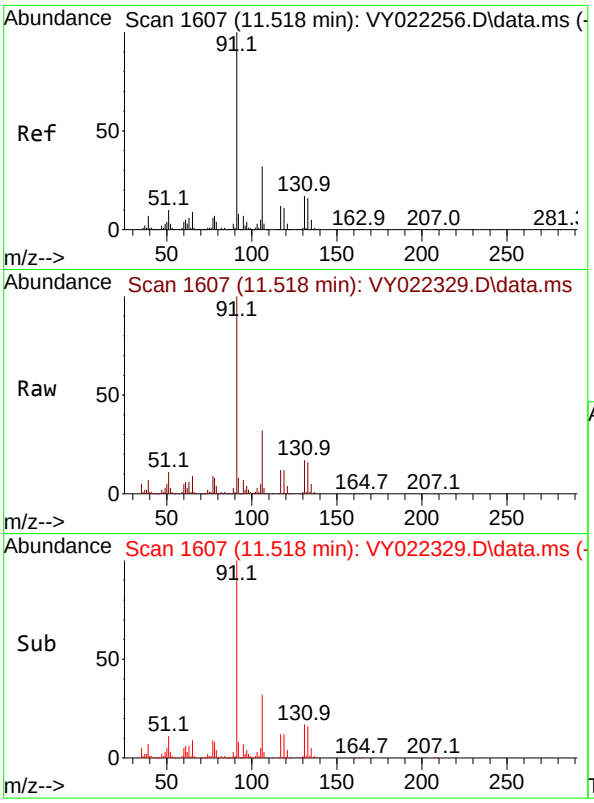


#66
1,1,1,2-Tetrachloroethane
Concen: 49.374 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:131 Resp: 96653

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	141.9
119	67.6	33.1	99.2





#67
Ethyl Benzene
Concen: 50.166 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 91 Resp: 53498

Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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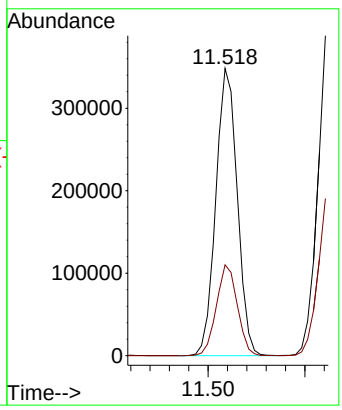
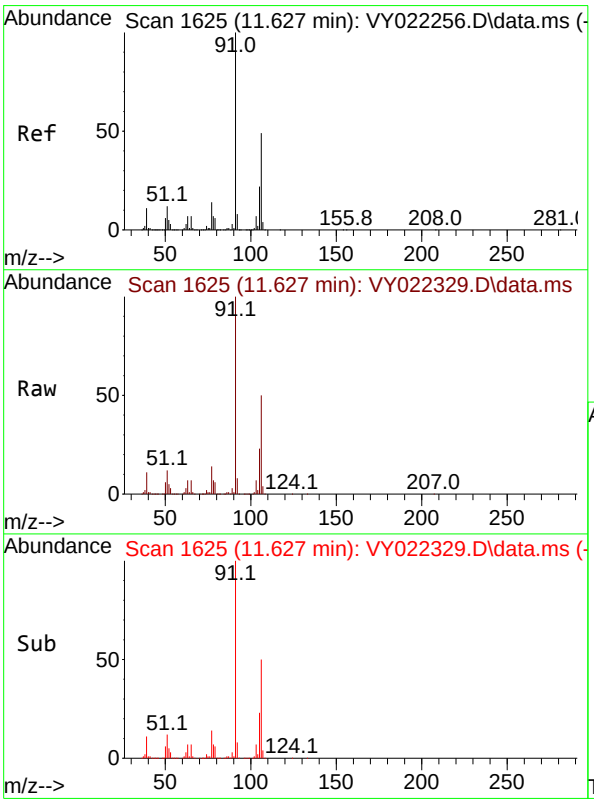
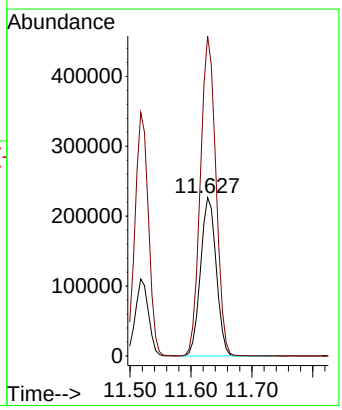


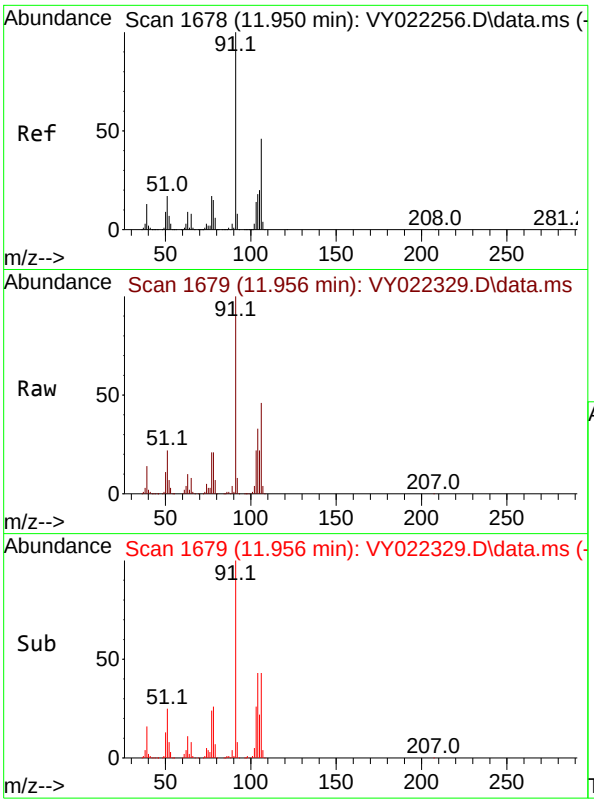


#68
m/p-Xylenes
Concen: 100.899 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:106 Resp: 405451

Ion	Ratio	Lower	Upper
106	100		
91	200.1	163.0	244.4

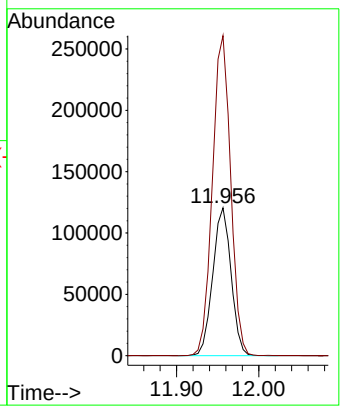




#69
o-Xylene
Concen: 48.989 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:106 Resp: 18625

Ion	Ratio	Lower	Upper
106	100		
91	215.9	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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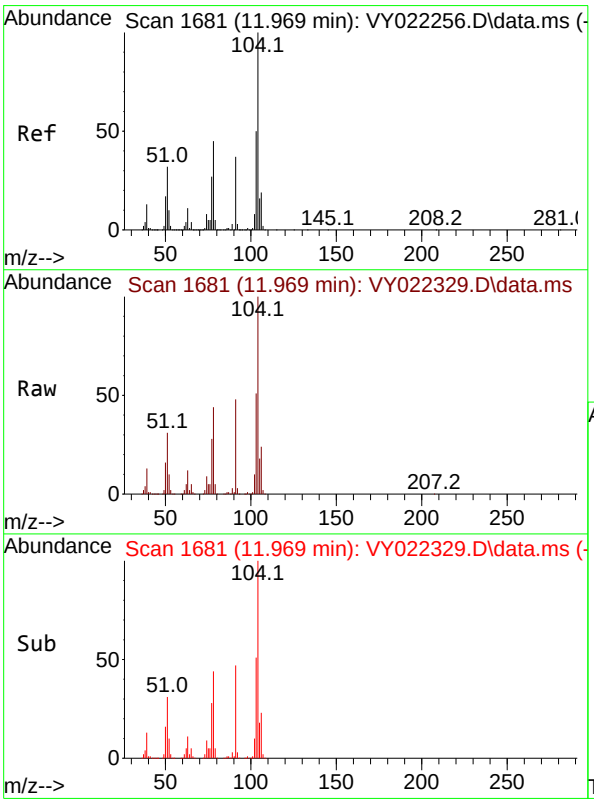
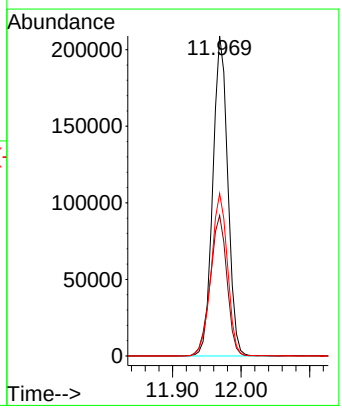
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

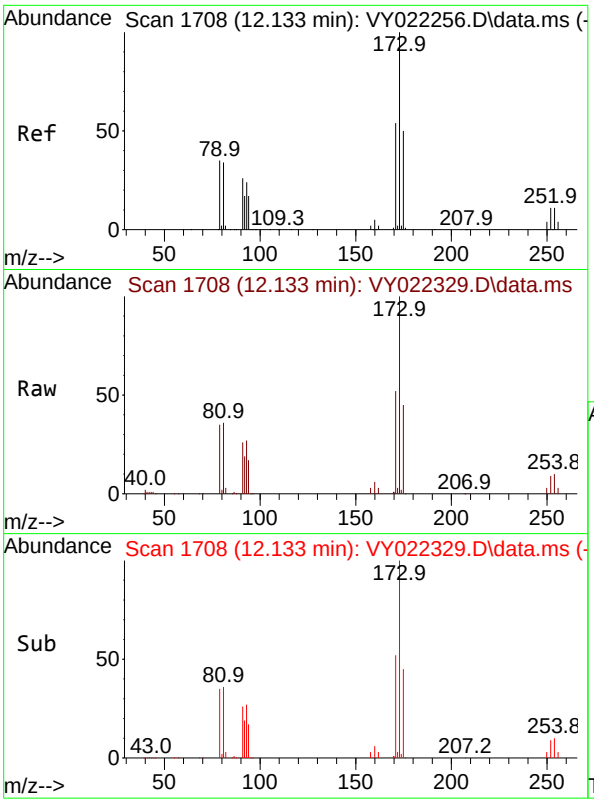


#70
Styrene
Concen: 49.374 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:104 Resp: 316649

Ion	Ratio	Lower	Upper
104	100		
78	49.0	40.9	61.3
103	55.4	43.7	65.5

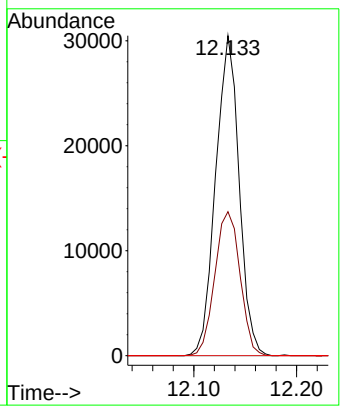




#71
Bromoform
Concen: 45.610 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:173 Resp: 4819

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.7	74.1
254	0.0	0.0	0.0



Instrument :
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VSTDCCC050

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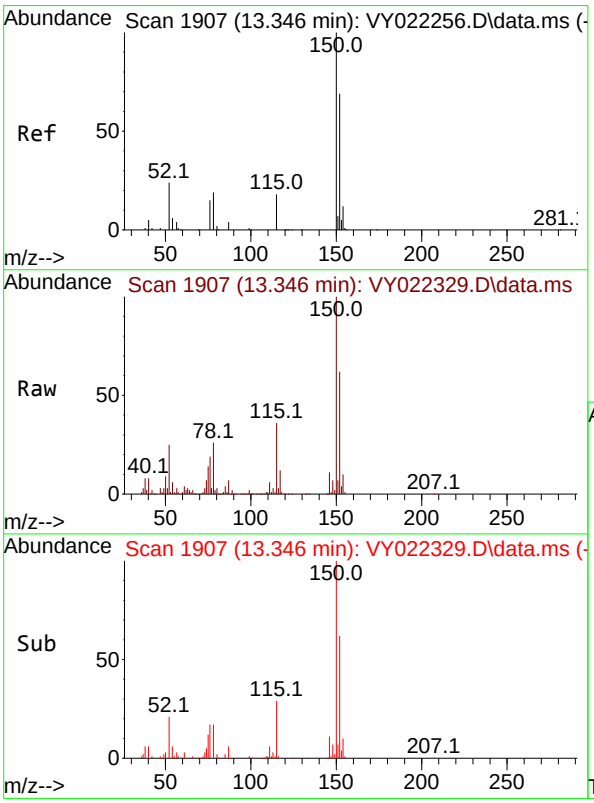
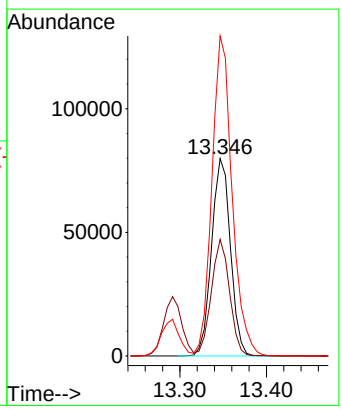
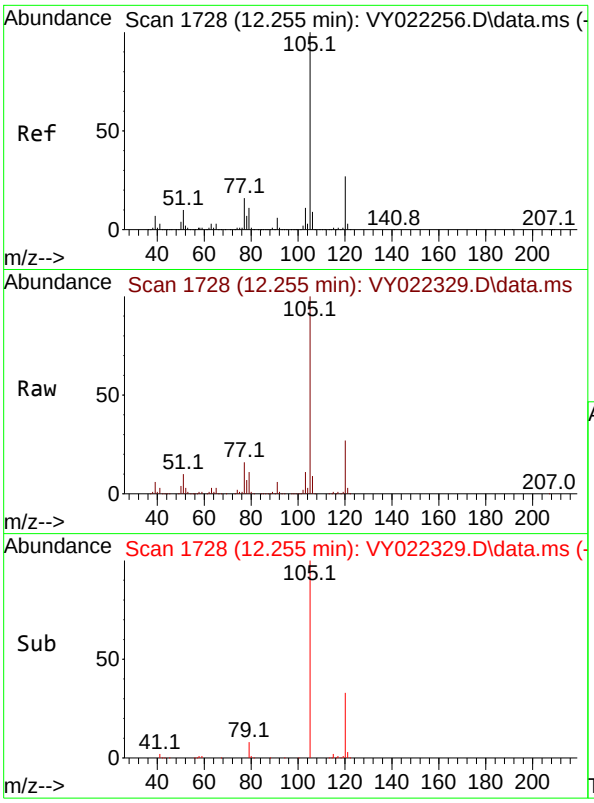


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:152 Resp: 120747

Ion	Ratio	Lower	Upper
152	100		
115	57.2	29.4	88.2
150	173.4	0.0	353.8

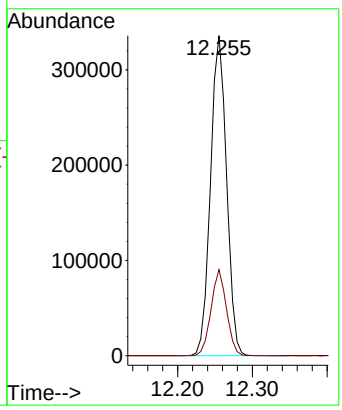




#73
Isopropylbenzene
Concen: 50.055 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:105 Resp: 50071

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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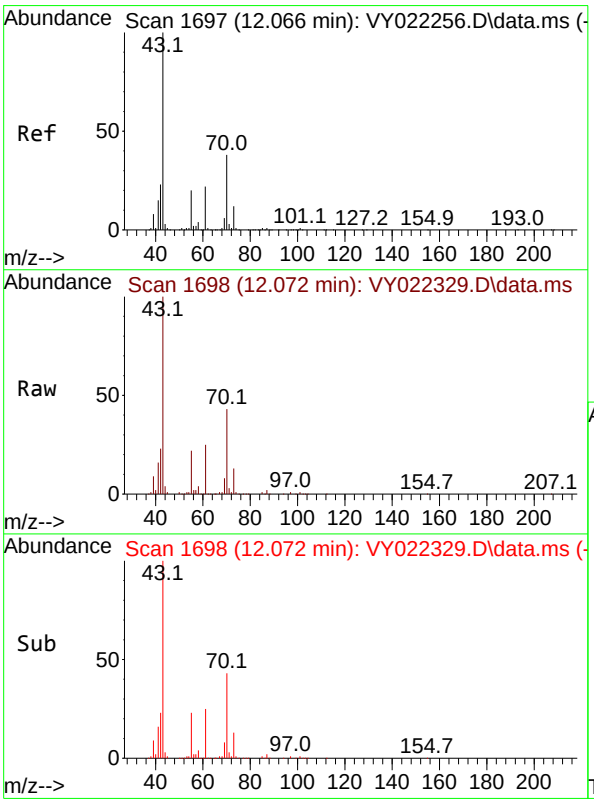
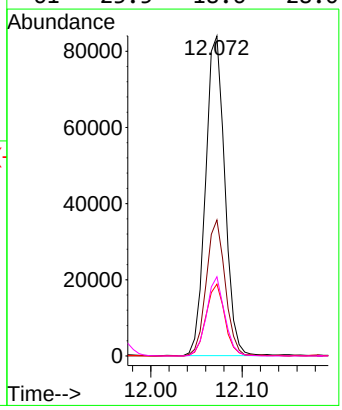
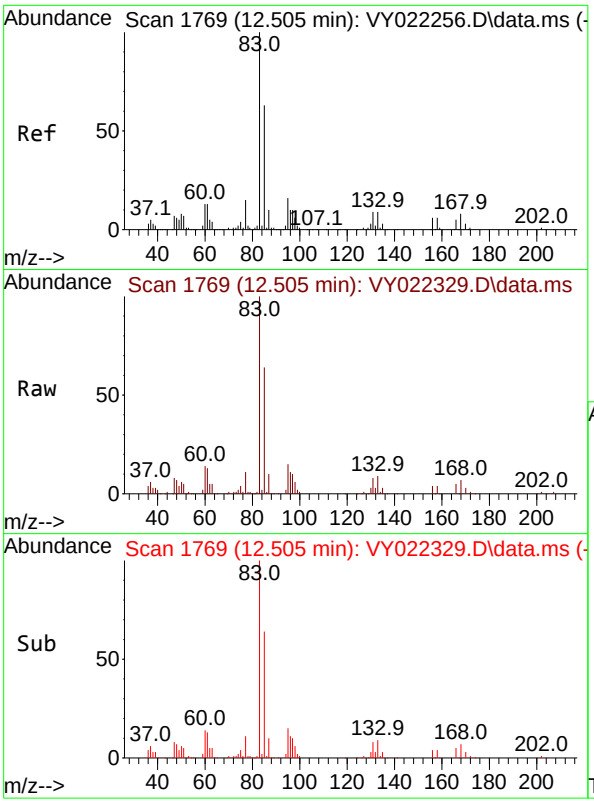


#74
N-amyl acetate
Concen: 42.753 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 43 Resp: 122315

Ion	Ratio	Lower	Upper
43	100		
70	42.1	31.4	47.0
55	22.3	17.0	25.6
61	23.5	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 46.716 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 83 Resp: 7186

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	62.7	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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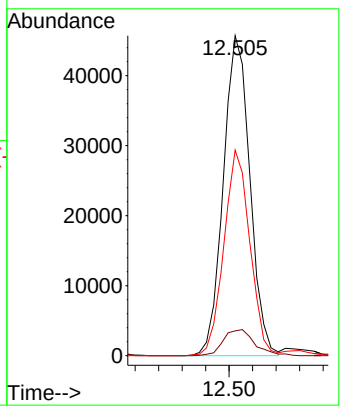
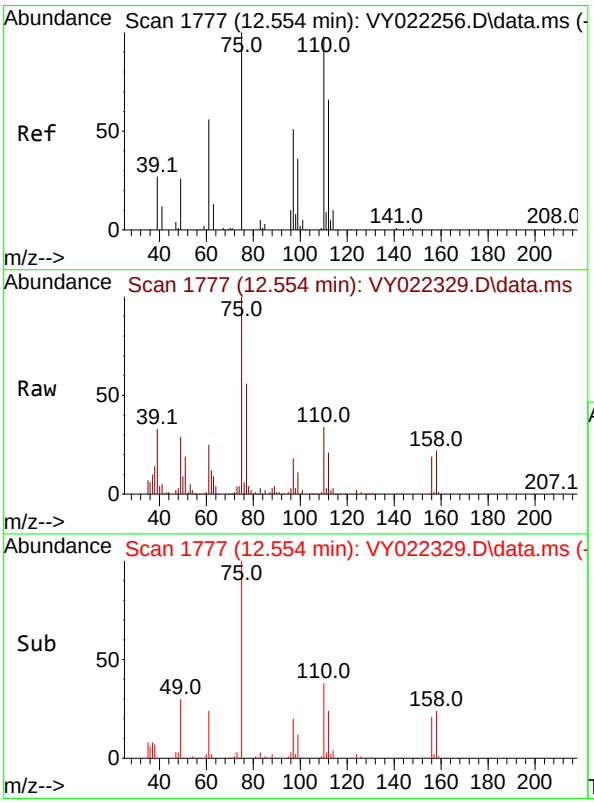
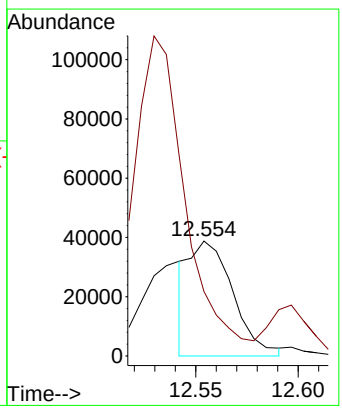


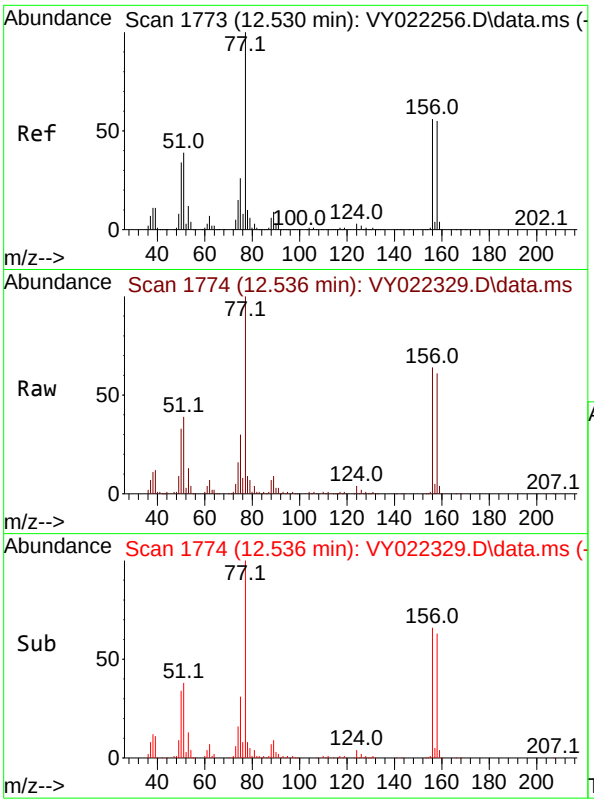


#76
1,2,3-Trichloropropane
Concen: 47.114 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 75 Resp: 57634

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

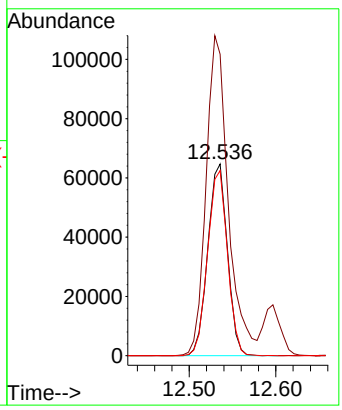




#77
Bromobenzene
Concen: 47.696 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:156 Resp: 10190

Ion	Ratio	Lower	Upper
156	100		
77	188.3	94.5	283.6
158	97.7	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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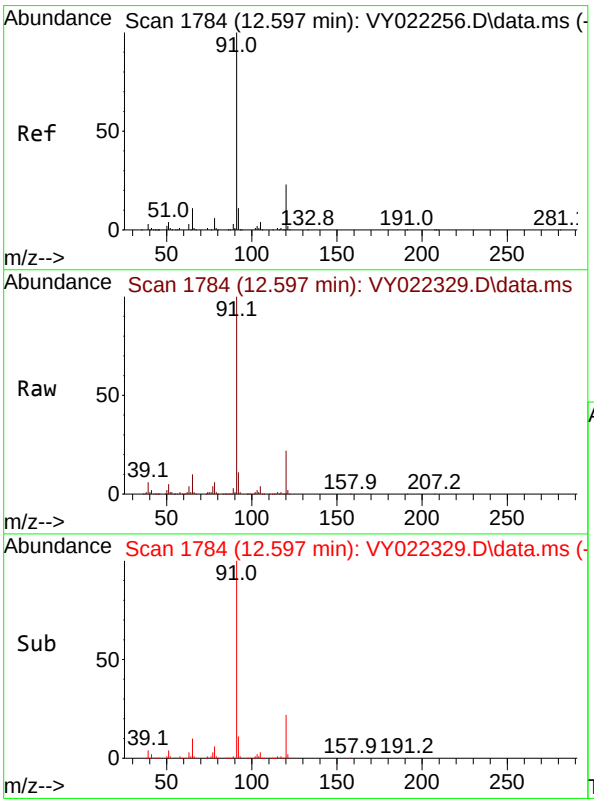
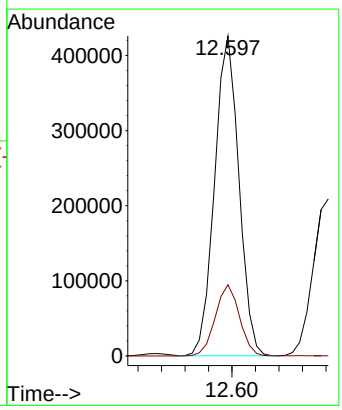
Supervised By :Semsettin Yesilyurt 05/21/2025

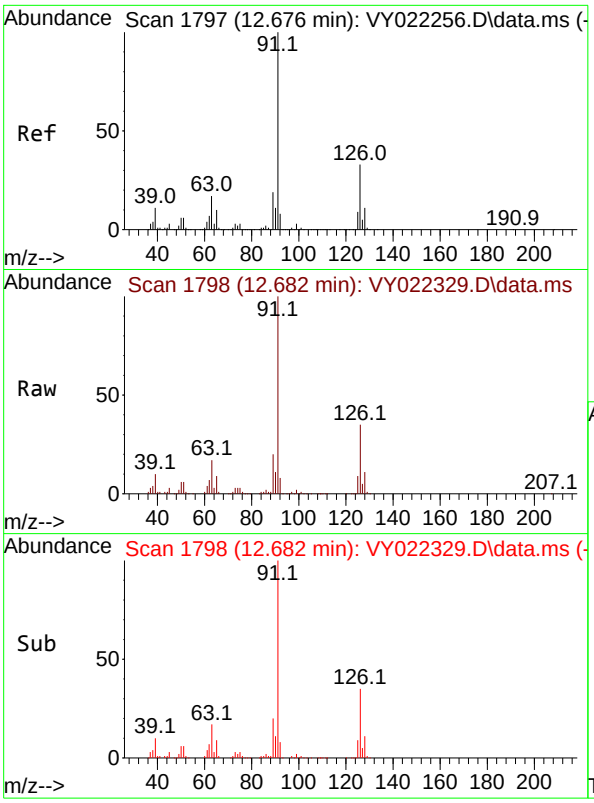


#78
n-propylbenzene
Concen: 50.658 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 91 Resp: 611228

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

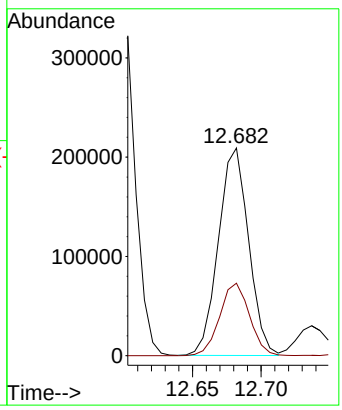




#79
2-Chlorotoluene
Concen: 48.352 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 91 Resp: 32060

Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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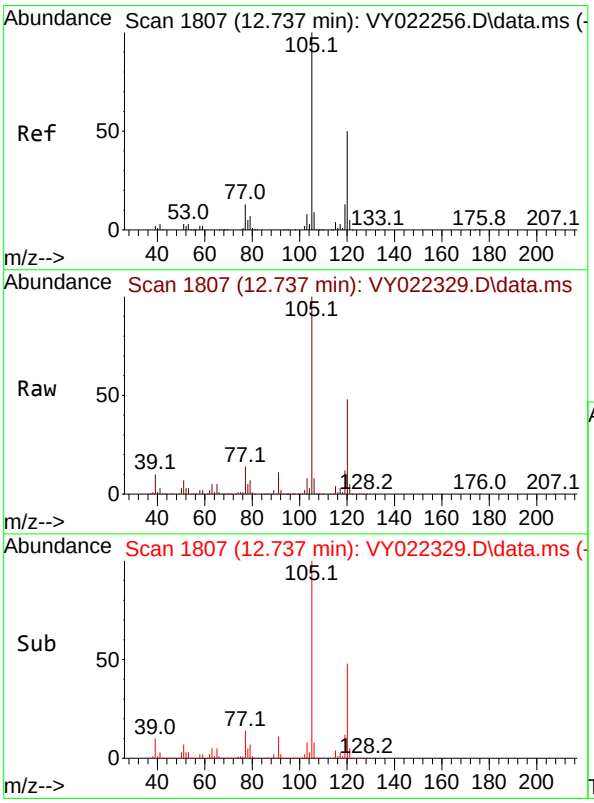
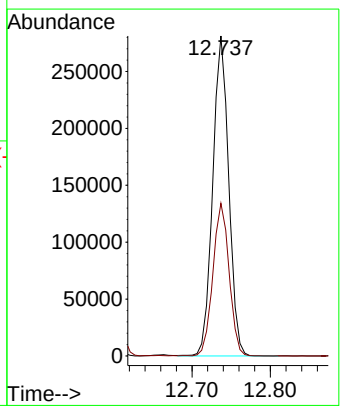
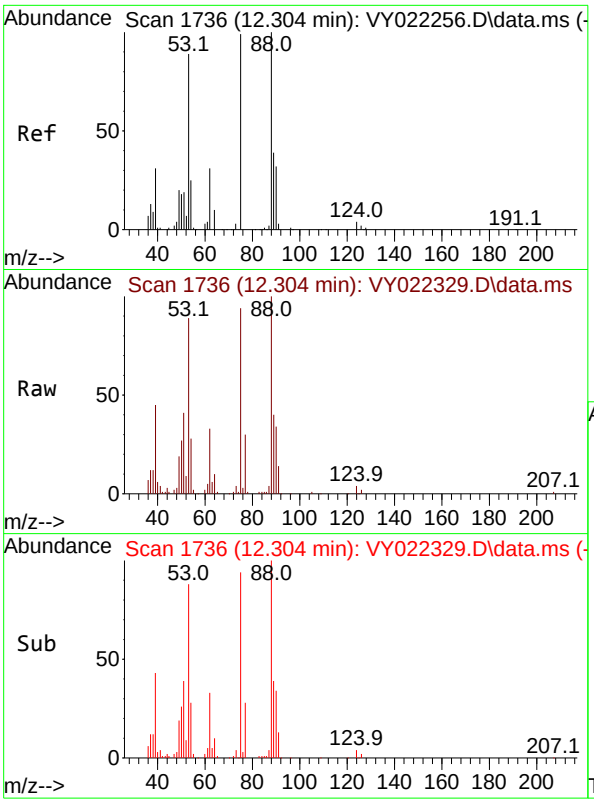


#80
1,3,5-Trimethylbenzene
Concen: 49.303 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:105 Resp: 398122

Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 44.011 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 75 Resp: 2657

Ion	Ratio	Lower	Upper
75	100		
53	91.4	75.8	113.8
89	42.3	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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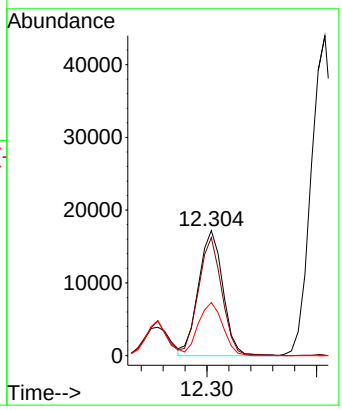
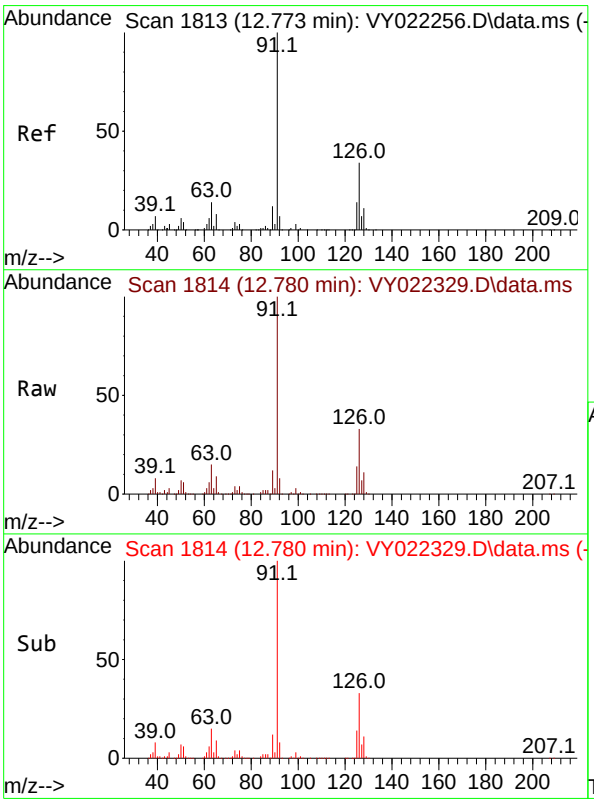
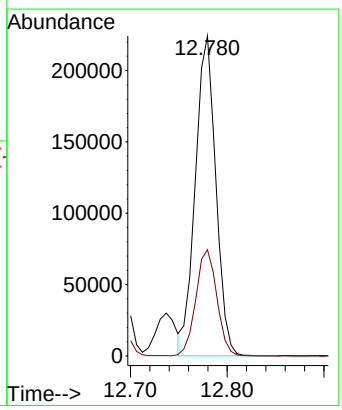


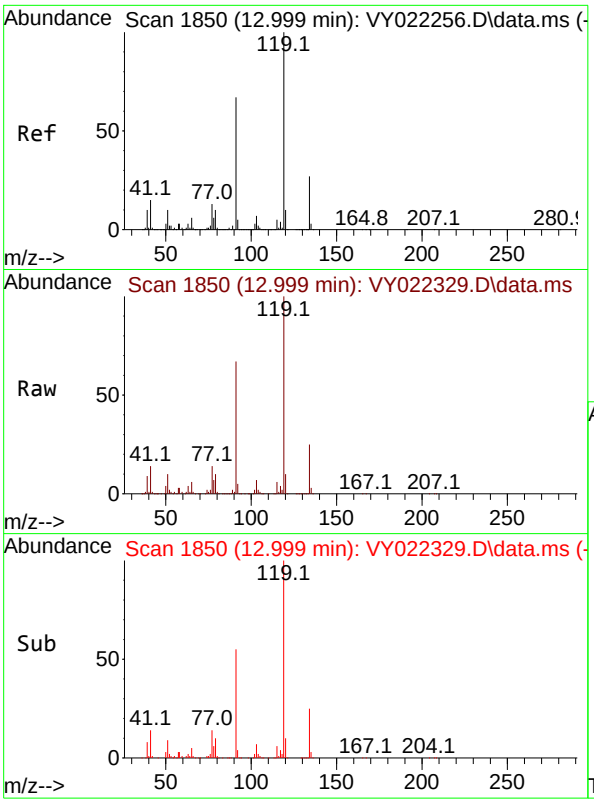


#82
4-Chlorotoluene
Concen: 48.542 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 91 Resp: 331061

Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.8	50.4





#83
tert-Butylbenzene
Concen: 49.191 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:119 Resp: 35305

Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.8	98.3
134	26.0	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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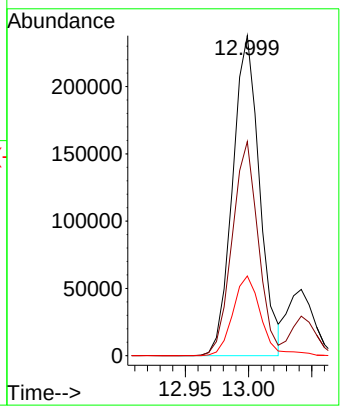
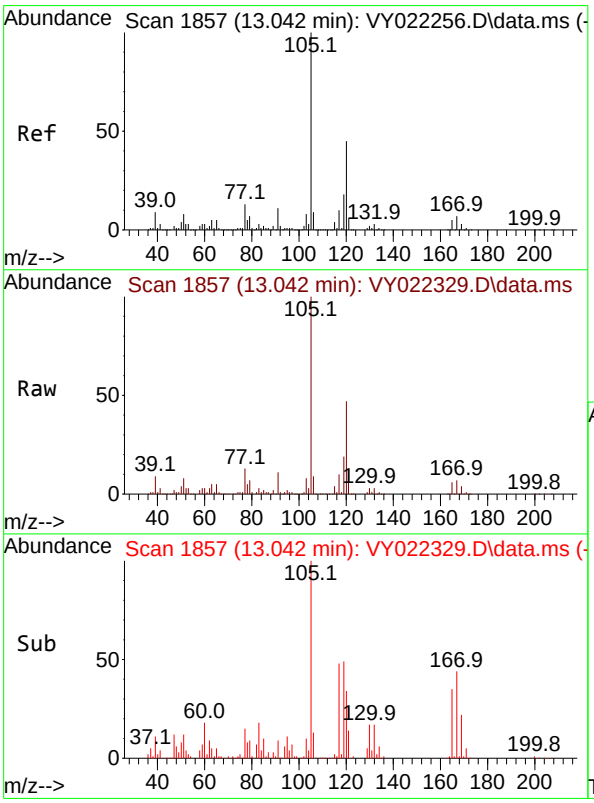
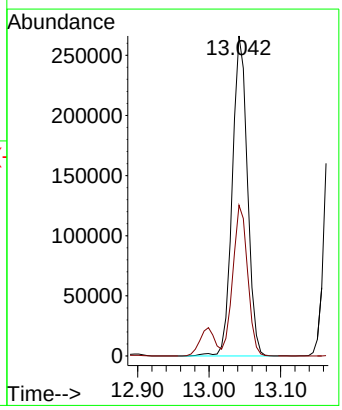


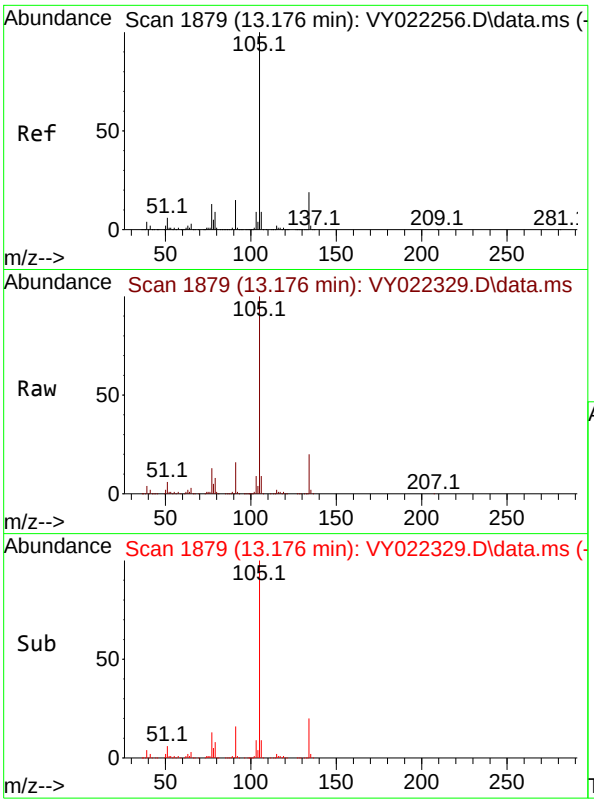


#84
1,2,4-Trimethylbenzene
Concen: 48.690 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:105 Resp: 390297

Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.9





#85
sec-Butylbenzene
Concen: 50.299 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:105 Resp: 53588

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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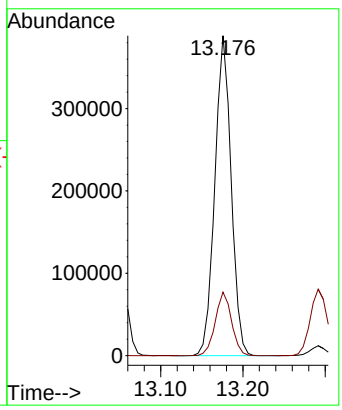
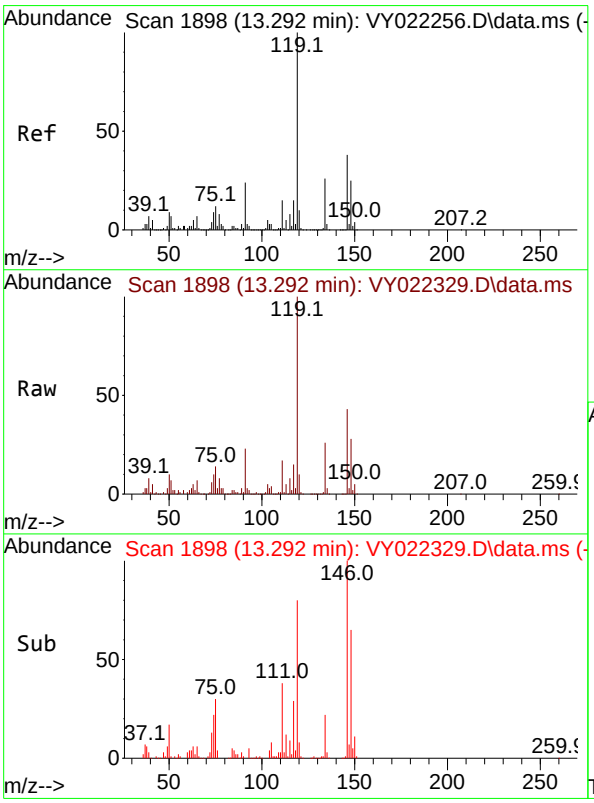
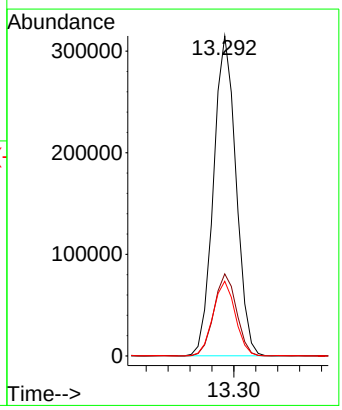


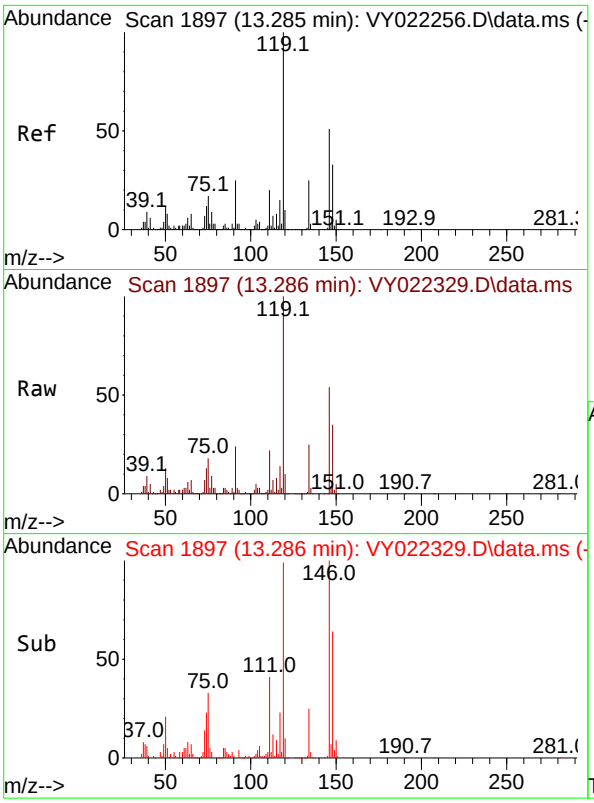


#86
p-Isopropyltoluene
Concen: 50.085 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:119 Resp: 448789

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	23.1	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 48.536 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

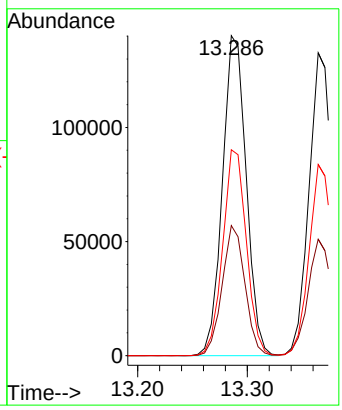
Tgt Ion:146 Resp: 21169

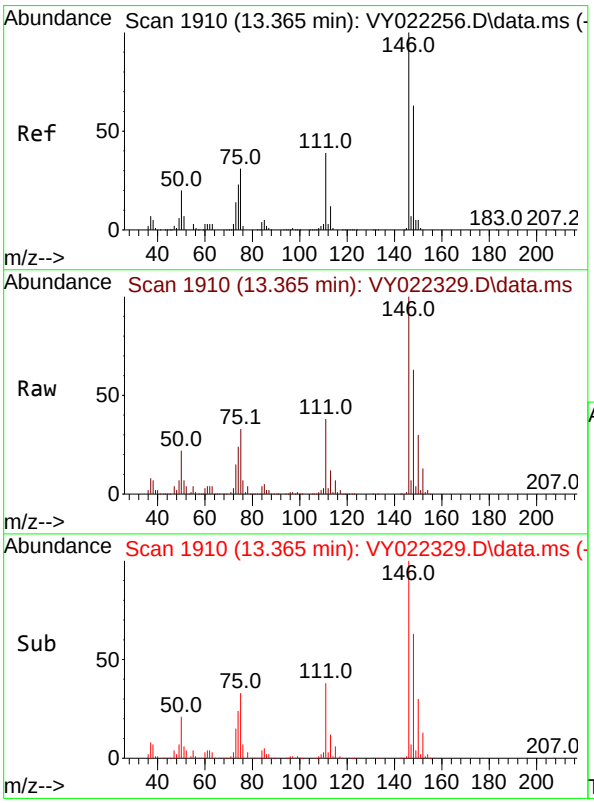
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.7
148	63.9	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

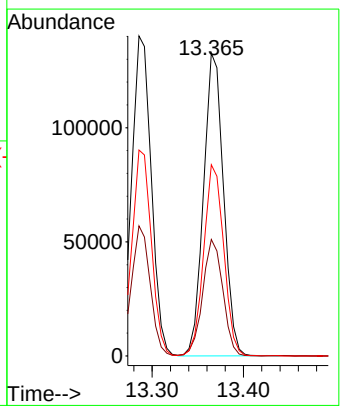


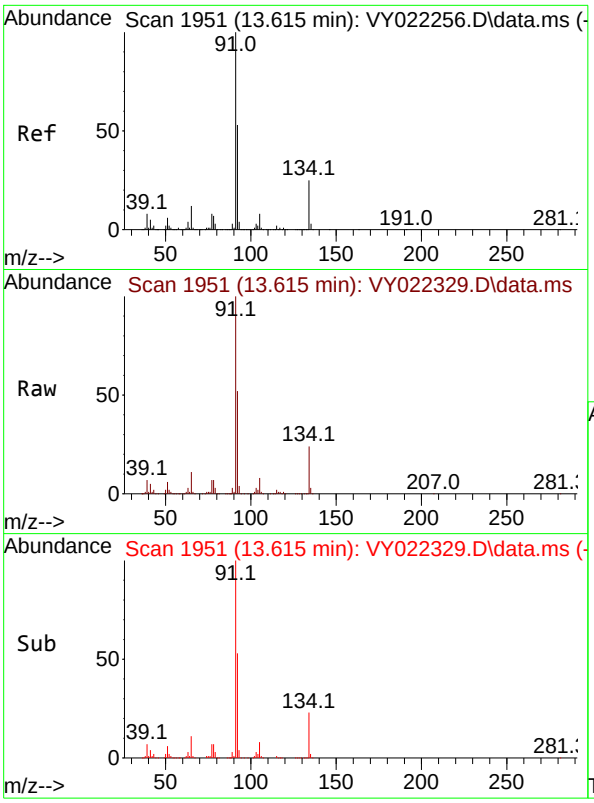


#88
1,4-Dichlorobenzene
Concen: 47.869 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:146 Resp: 200827

Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	63.3	32.1	96.5

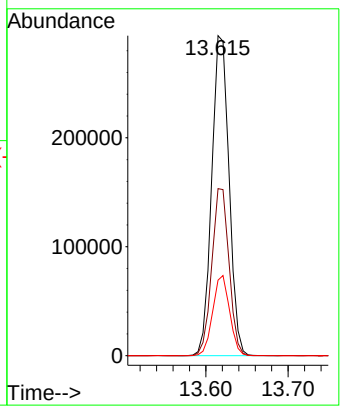




#89
n-Butylbenzene
Concen: 50.735 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 91 Resp: 43008

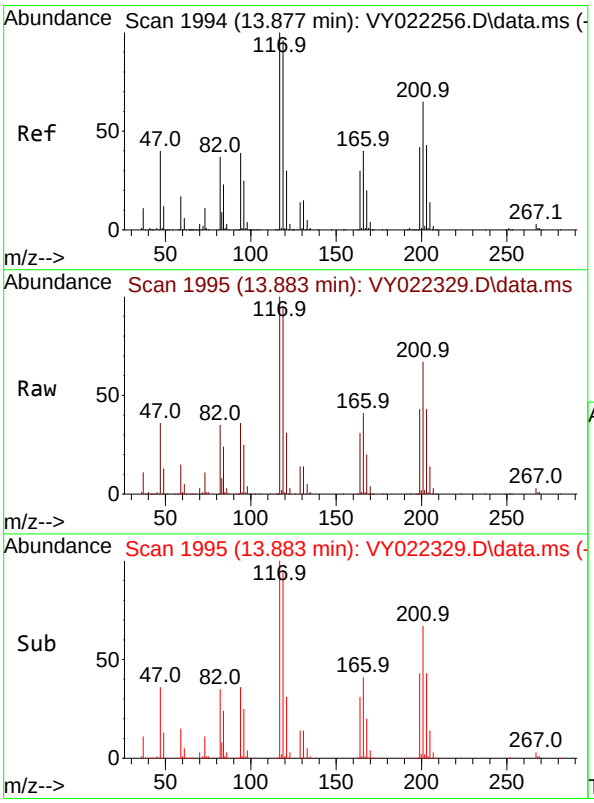
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	24.5	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

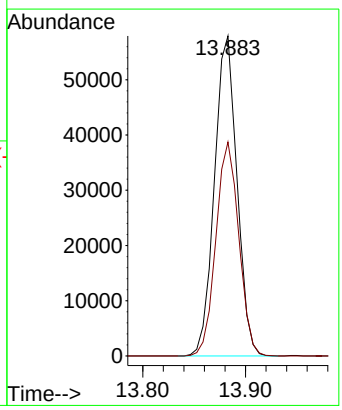
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

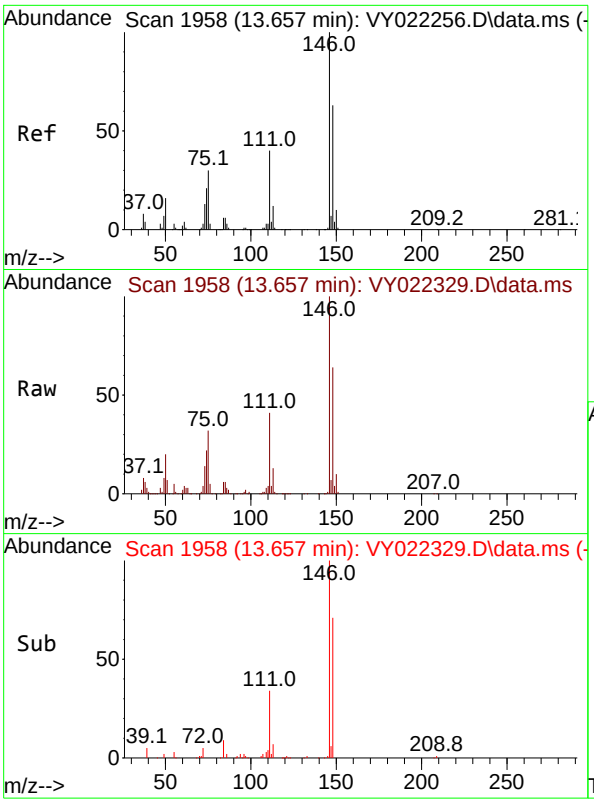


#90
Hexachloroethane
Concen: 48.777 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:117 Resp: 88228

Ion	Ratio	Lower	Upper
117	100		
201	68.0	35.2	105.6

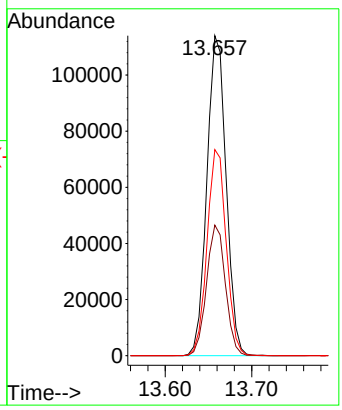




#91
1,2-Dichlorobenzene
Concen: 47.987 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:146 Resp: 17580

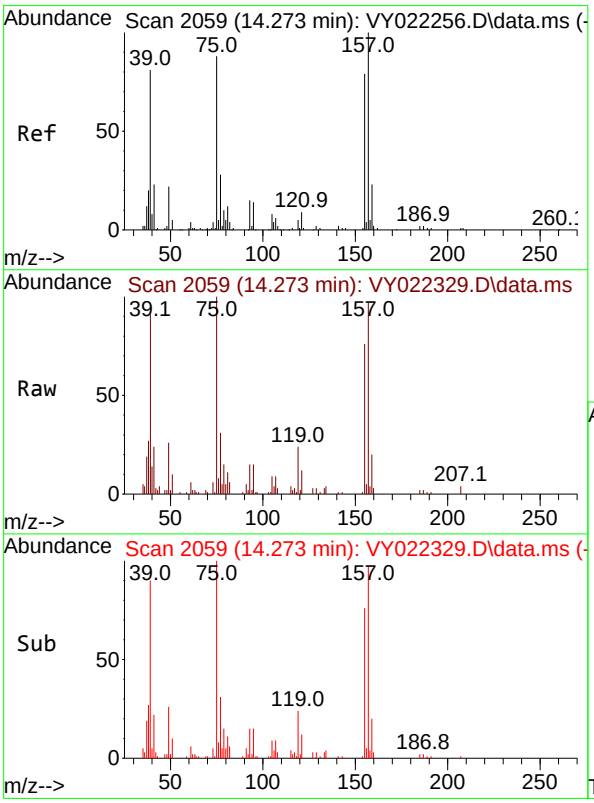
Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.5
148	64.1	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

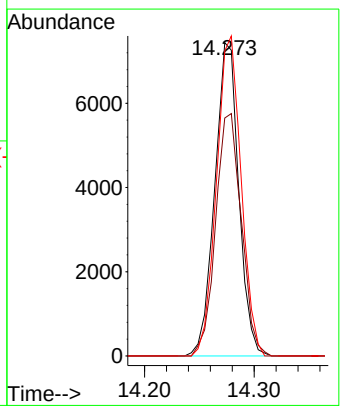
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

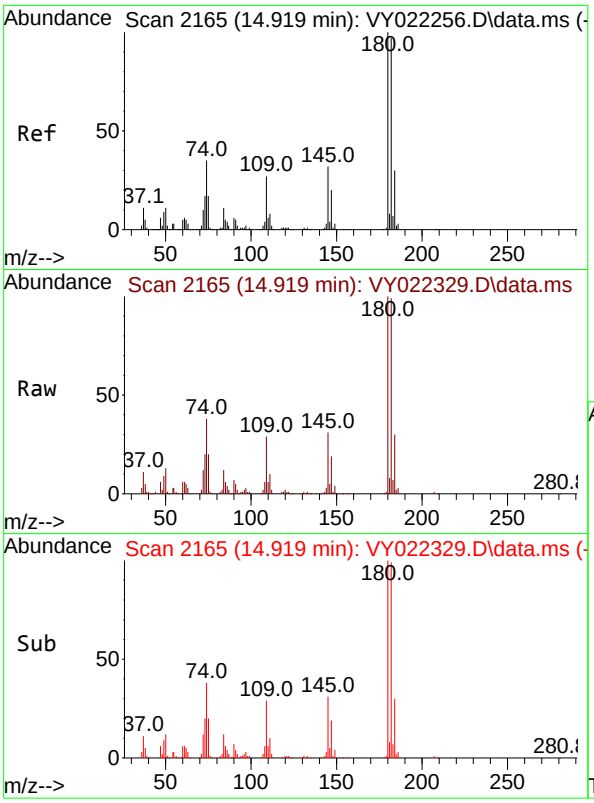


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.506 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion: 75 Resp: 11289

Ion	Ratio	Lower	Upper
75	100		
155	83.1	43.4	130.1
157	105.0	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 46.496 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

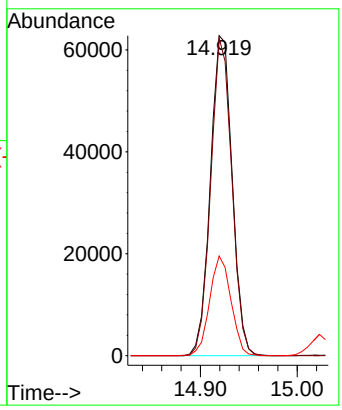
Tgt Ion:180 Resp: 9839

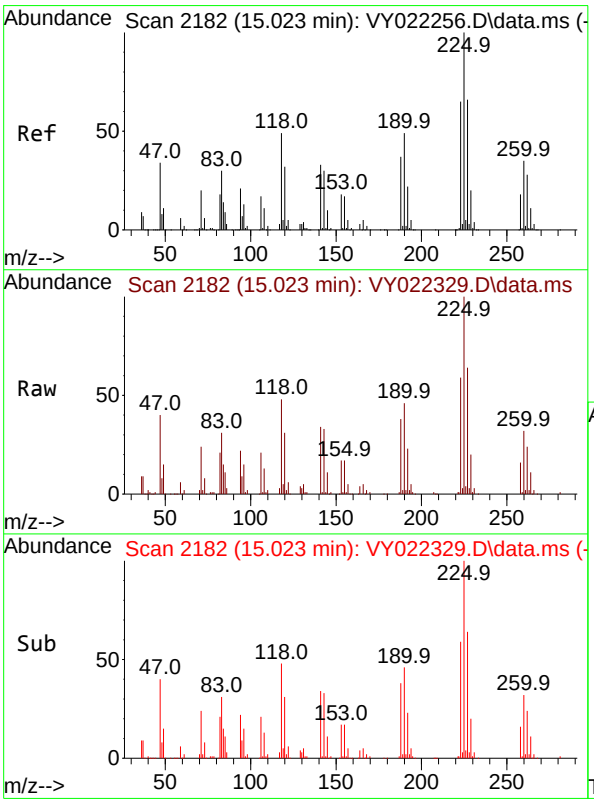
Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	30.5	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

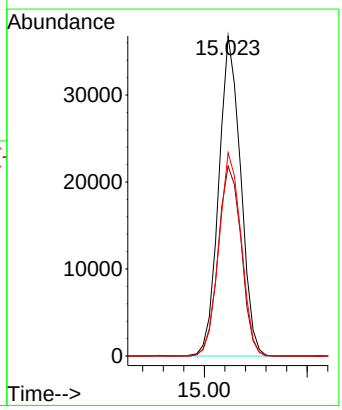


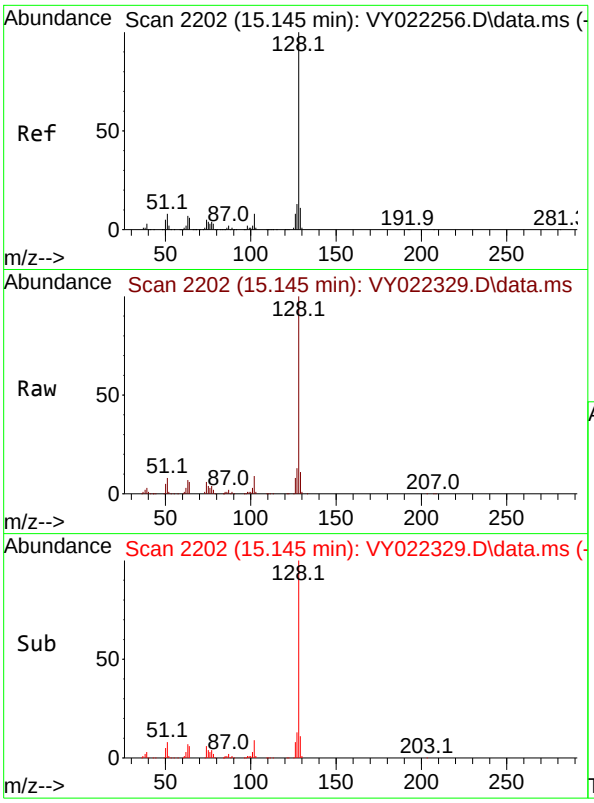


#94
Hexachlorobutadiene
Concen: 45.960 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:225 Resp: 54240

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	64.9	32.1	96.3

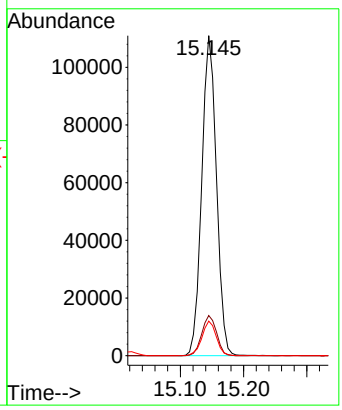




#95
Naphthalene
Concen: 44.695 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:128 Resp: 17948

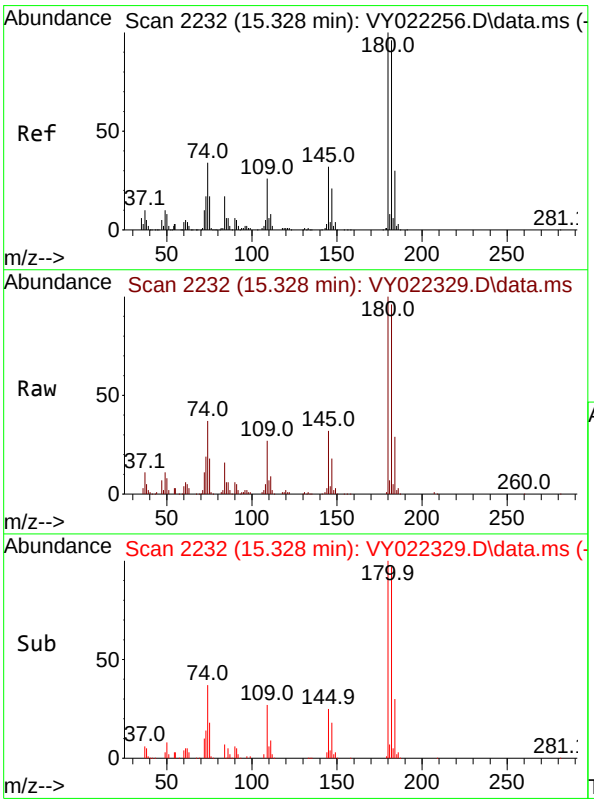
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

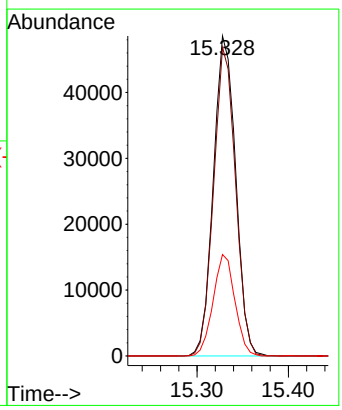
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 45.719 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022329.D
Acq: 20 May 2025 08:40

Tgt Ion:180 Resp: 82076

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.3
145	31.1	15.9	47.6



Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	67	0.00
2	T	Dichlorodifluoromethane	0.522	0.487	6.7	65	0.00
3	P	Chloromethane	1.097	1.094	0.3	71	0.00
4	C	Vinyl Chloride	1.226	1.524	-24.3#	85	0.00
5	T	Bromomethane	0.998	1.160	-16.2	89	0.00
6	T	Chloroethane	0.763	1.012	-32.6#	90	0.00
7	T	Trichlorofluoromethane	1.241	1.392	-12.2	77	0.00
8	T	Diethyl Ether	0.298	0.273	8.4	63	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.553	-2.6	69	0.00
10	T	Methyl Iodide	0.624	0.628	-0.6	62	0.00
11	T	Tert butyl alcohol	0.042	0.036	14.3	63	-0.01
12	CM	1,1-Dichloroethene	0.535	0.534	0.2#	67	0.00
13	T	Acrolein	0.061	0.030	50.8#	36#	0.00
14	T	Allyl chloride	0.938	0.844	10.0	59	0.00
15	T	Acrylonitrile	0.123	0.111	9.8	63	0.00
16	T	Acetone	0.102	0.091	10.8	66	0.00
17	T	Carbon Disulfide	1.744	1.711	1.9	66	0.00
18	T	Methyl Acetate	0.323	0.272	15.8	61	0.00
19	T	Methyl tert-butyl Ether	1.475	1.383	6.2	64	0.00
20	T	Methylene Chloride	0.662	0.582	12.1	66	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.583	1.2	66	0.00
22	T	Diisopropyl ether	1.980	1.819	8.1	62	0.00
23	T	Vinyl Acetate	1.196	1.048	12.4	60	0.00
24	P	1,1-Dichloroethane	1.106	1.085	1.9	66	0.00
25	T	2-Butanone	0.171	0.147	14.0	61	0.00
26	T	2,2-Dichloropropane	0.984	0.976	0.8	67	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.683	-0.3	67	0.00
28	T	Bromochloromethane	0.472	0.470	0.4	67	0.00
29	T	Tetrahydrofuran	0.110	0.095	13.6	60	0.00
30	C	Chloroform	1.061	1.059	0.2#	66	0.00
31	T	Cyclohexane	1.105	1.035	6.3	66	0.00
32	T	1,1,1-Trichloroethane	0.974	0.966	0.8	67	0.00
33	S	1,2-Dichloroethane-d4	0.546	0.533	2.4	66	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	68	0.00
35	S	Dibromofluoromethane	0.298	0.305	-2.3	69	0.00
36	T	1,1-Dichloropropene	0.492	0.492	0.0	66	0.00
37	T	Ethyl Acetate	0.237	0.204	13.9	59	0.00
38	T	Carbon Tetrachloride	0.509	0.517	-1.6	68	0.00
39	T	Methylcyclohexane	0.660	0.662	-0.3	67	0.00
40	TM	Benzene	1.457	1.473	-1.1	67	0.00
41	T	Methacrylonitrile	0.157	0.142	9.6	61	0.00
42	TM	1,2-Dichloroethane	0.394	0.380	3.6	64	0.00
43	T	Isopropyl Acetate	0.516	0.444	14.0	59	0.00
44	TM	Trichloroethene	0.362	0.364	-0.6	67	0.00
45	C	1,2-Dichloropropane	0.351	0.346	1.4#	66	0.00
46	T	Dibromomethane	0.189	0.183	3.2	66	0.00
47	T	Bromodichloromethane	0.492	0.489	0.6	66	0.00
48	T	Methyl methacrylate	0.241	0.207	14.1	59	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	0.002	0.002	0.0	67	0.00
50	S	Toluene-d8	1.222	1.259	-3.0	69	0.00
51	T	4-Methyl-2-Pentanone	0.253	0.220	13.0	59	0.00
52	CM	Toluene	0.923	0.912	1.2#	66	0.00
53	T	t-1,3-Dichloropropene	0.480	0.458	4.6	64	0.00
54	T	cis-1,3-Dichloropropene	0.550	0.528	4.0	64	0.00
55	T	1,1,2-Trichloroethane	0.243	0.233	4.1	65	0.00
56	T	Ethyl methacrylate	0.378	0.347	8.2	62	0.00
57	T	1,3-Dichloropropane	0.431	0.417	3.2	65	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.153	10.0	57	0.00
59	T	2-Hexanone	0.170	0.145	14.7	59	0.00
60	T	Dibromochloromethane	0.315	0.304	3.5	64	0.00
61	T	1,2-Dibromoethane	0.226	0.216	4.4	64	0.00
62	S	4-Bromofluorobenzene	0.387	0.375	3.1	66	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	67	0.00
64	T	Tetrachloroethene	0.462	0.471	-1.9	66	0.00
65	PM	Chlorobenzene	1.128	1.122	0.5	65	0.00
66	T	1,1,1,2-Tetrachloroethane	0.388	0.383	1.3	65	0.00
67	C	Ethyl Benzene	2.113	2.120	-0.3#	65	0.00
68	T	m/p-Xylenes	0.796	0.803	-0.9	66	0.00
69	T	o-Xylene	0.753	0.738	2.0	64	0.00
70	T	Styrene	1.270	1.255	1.2	64	0.00
71	P	Bromoform	0.209	0.191	8.6	61	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	67	0.00
73	T	Isopropylbenzene	4.142	4.147	-0.1	66	0.00
74	T	N-amyl acetate	1.185	1.013	14.5	58	0.00
75	P	1,1,2,2-Tetrachloroethane	0.637	0.595	6.6	63	0.00
76	T	1,2,3-Trichloropropane	0.507	0.477	5.9	64	0.00
77	T	Bromobenzene	0.885	0.844	4.6	63	0.00
78	T	n-propylbenzene	4.996	5.062	-1.3	66	0.00
79	T	2-Chlorotoluene	2.746	2.655	3.3	63	0.00
80	T	1,3,5-Trimethylbenzene	3.344	3.297	1.4	65	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.220	12.0	62	0.00
82	T	4-Chlorotoluene	2.824	2.742	2.9	63	0.00
83	T	tert-Butylbenzene	2.972	2.924	1.6	65	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.232	2.6	63	0.00
85	T	sec-Butylbenzene	4.412	4.438	-0.6	65	0.00
86	T	p-Isopropyltoluene	3.710	3.717	-0.2	65	0.00
87	T	1,3-Dichlorobenzene	1.806	1.753	2.9	64	0.00
88	T	1,4-Dichlorobenzene	1.737	1.663	4.3	64	0.00
89	T	n-Butylbenzene	3.510	3.562	-1.5	65	0.00
90	T	Hexachloroethane	0.749	0.731	2.4	64	0.00
91	T	1,2-Dichlorobenzene	1.517	1.456	4.0	64	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.093	9.7	63	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.815	7.0	61	0.00
94	T	Hexachlorobutadiene	0.489	0.449	8.2	60	0.00
95	T	Naphthalene	1.663	1.486	10.6	60	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	0.743	0.680	8.5	60	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	67	0.00
2	T	Dichlorodifluoromethane	50.000	46.679	6.6	65	0.00
3	P	Chloromethane	50.000	49.842	0.3	71	0.00
4	C	Vinyl Chloride	50.000	62.153	-24.3#	85	0.00
5	T	Bromomethane	50.000	58.088	-16.2	89	0.00
6	T	Chloroethane	50.000	66.345	-32.7#	90	0.00
7	T	Trichlorofluoromethane	50.000	56.065	-12.1	77	0.00
8	T	Diethyl Ether	50.000	45.847	8.3	63	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.283	-2.6	69	0.00
10	T	Methyl Iodide	50.000	50.311	-0.6	62	0.00
11	T	Tert butyl alcohol	250.000	215.761	13.7	63	-0.01
12	CM	1,1-Dichloroethene	50.000	49.916	0.2#	67	0.00
13	T	Acrolein	250.000	122.519	51.0#	36	0.00
14	T	Allyl chloride	50.000	45.013	10.0	59	0.00
15	T	Acrylonitrile	250.000	226.925	9.2	63	0.00
16	T	Acetone	250.000	223.009	10.8	66	0.00
17	T	Carbon Disulfide	50.000	49.060	1.9	66	0.00
18	T	Methyl Acetate	50.000	42.141	15.7	61	0.00
19	T	Methyl tert-butyl Ether	50.000	46.893	6.2	64	0.00
20	T	Methylene Chloride	50.000	43.941	12.1	66	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.353	1.3	66	0.00
22	T	Diisopropyl ether	50.000	45.916	8.2	62	0.00
23	T	Vinyl Acetate	250.000	219.054	12.4	60	0.00
24	P	1,1-Dichloroethane	50.000	49.046	1.9	66	0.00
25	T	2-Butanone	250.000	214.116	14.4	61	0.00
26	T	2,2-Dichloropropane	50.000	49.606	0.8	67	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.159	-0.3	67	0.00
28	T	Bromochloromethane	50.000	49.834	0.3	67	0.00
29	T	Tetrahydrofuran	250.000	215.541	13.8	60	0.00
30	C	Chloroform	50.000	49.916	0.2#	66	0.00
31	T	Cyclohexane	50.000	46.827	6.3	66	0.00
32	T	1,1,1-Trichloroethane	50.000	49.587	0.8	67	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.805	2.4	66	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	68	0.00
35	S	Dibromofluoromethane	50.000	51.076	-2.2	69	0.00
36	T	1,1-Dichloropropene	50.000	50.028	-0.1	66	0.00
37	T	Ethyl Acetate	50.000	43.038	13.9	59	0.00
38	T	Carbon Tetrachloride	50.000	50.762	-1.5	68	0.00
39	T	Methylcyclohexane	50.000	50.127	-0.3	67	0.00
40	TM	Benzene	50.000	50.555	-1.1	67	0.00
41	T	Methacrylonitrile	50.000	45.192	9.6	61	0.00
42	TM	1,2-Dichloroethane	50.000	48.255	3.5	64	0.00
43	T	Isopropyl Acetate	50.000	43.001	14.0	59	0.00
44	TM	Trichloroethene	50.000	50.212	-0.4	67	0.00
45	C	1,2-Dichloropropane	50.000	49.181	1.6#	66	0.00
46	T	Dibromomethane	50.000	48.227	3.5	66	0.00
47	T	Bromodichloromethane	50.000	49.724	0.6	66	0.00
48	T	Methyl methacrylate	50.000	42.873	14.3	59	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	945.674	5.4	67	0.00
50	S	Toluene-d8	50.000	51.484	-3.0	69	0.00
51	T	4-Methyl-2-Pentanone	250.000	217.386	13.0	59	0.00
52	CM	Toluene	50.000	49.403	1.2#	66	0.00
53	T	t-1,3-Dichloropropene	50.000	47.744	4.5	64	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.006	4.0	64	0.00
55	T	1,1,2-Trichloroethane	50.000	48.082	3.8	65	0.00
56	T	Ethyl methacrylate	50.000	45.862	8.3	62	0.00
57	T	1,3-Dichloropropane	50.000	48.388	3.2	65	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	226.074	9.6	57	0.00
59	T	2-Hexanone	250.000	214.015	14.4	59	0.00
60	T	Dibromochloromethane	50.000	48.185	3.6	64	0.00
61	T	1,2-Dibromoethane	50.000	47.659	4.7	64	0.00
62	S	4-Bromofluorobenzene	50.000	48.365	3.3	66	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	67	0.00
64	T	Tetrachloroethene	50.000	50.915	-1.8	66	0.00
65	PM	Chlorobenzene	50.000	49.729	0.5	65	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.374	1.3	65	0.00
67	C	Ethyl Benzene	50.000	50.166	-0.3#	65	0.00
68	T	m/p-Xylenes	100.000	100.899	-0.9	66	0.00
69	T	o-Xylene	50.000	48.989	2.0	64	0.00
70	T	Styrene	50.000	49.374	1.3	64	0.00
71	P	Bromoform	50.000	45.610	8.8	61	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	67	0.00
73	T	Isopropylbenzene	50.000	50.055	-0.1	66	0.00
74	T	N-amyl acetate	50.000	42.753	14.5	58	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.716	6.6	63	0.00
76	T	1,2,3-Trichloropropane	50.000	47.114	5.8	64	0.00
77	T	Bromobenzene	50.000	47.696	4.6	63	0.00
78	T	n-propylbenzene	50.000	50.658	-1.3	66	0.00
79	T	2-Chlorotoluene	50.000	48.352	3.3	63	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.303	1.4	65	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.011	12.0	62	0.00
82	T	4-Chlorotoluene	50.000	48.542	2.9	63	0.00
83	T	tert-Butylbenzene	50.000	49.191	1.6	65	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.690	2.6	63	0.00
85	T	sec-Butylbenzene	50.000	50.299	-0.6	65	0.00
86	T	p-Isopropyltoluene	50.000	50.085	-0.2	65	0.00
87	T	1,3-Dichlorobenzene	50.000	48.536	2.9	64	0.00
88	T	1,4-Dichlorobenzene	50.000	47.869	4.3	64	0.00
89	T	n-Butylbenzene	50.000	50.735	-1.5	65	0.00
90	T	Hexachloroethane	50.000	48.777	2.4	64	0.00
91	T	1,2-Dichlorobenzene	50.000	47.987	4.0	64	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.506	9.0	63	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.496	7.0	61	0.00
94	T	Hexachlorobutadiene	50.000	45.960	8.1	60	0.00
95	T	Naphthalene	50.000	44.695	10.6	60	0.00

Sample Results: **VY022329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022329.D
Acq On : 20 May 2025 08:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 21 01:42:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	45.719	8.6	60	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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: CAMP02

Lab Code: CHEM Case No.: Q2075 SAS No.: Q2075 SDG No.: Q2075

Instrument ID: MSVOA_Y Calibration Date/Time: 05/22/2025 08:35

Lab File ID: VY022380.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.457	1.548		6.25	20
Toluene	0.923	0.978		5.96	20
Ethyl Benzene	2.113	2.234		5.73	20
m/p-Xylenes	0.796	0.849		6.66	20
o-Xylene	0.753	0.791		5.05	20
Isopropylbenzene	4.142	4.432		7	20
n-propylbenzene	4.996	5.385		7.79	20
1,3,5-Trimethylbenzene	3.344	3.533		5.65	20
tert-Butylbenzene	2.972	3.200		7.67	20
1,2,4-Trimethylbenzene	3.319	3.526		6.24	20
sec-Butylbenzene	4.412	4.835		9.59	20
p-Isopropyltoluene	3.710	4.077		9.89	20
n-Butylbenzene	3.510	3.887		10.74	20
1,2-Dichloroethane-d4	0.546	0.561		2.75	20
Dibromofluoromethane	0.298	0.318		6.71	20
Toluene-d8	1.222	1.298		6.22	20
4-Bromofluorobenzene	0.387	0.387		0	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	161495	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	274168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	235238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	110586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	90668	51.370	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.740%			
35) Dibromofluoromethane	7.646	113	87280	53.337	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.115	98	355941	53.110	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.220%			
62) 4-Bromofluorobenzene	12.408	95	105997	49.898	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	82650	49.047	ug/l	99
3) Chloromethane	2.074	50	176433	49.773	ug/l	96
4) Vinyl Chloride	2.208	62	234408	59.188	ug/l	97
5) Bromomethane	2.605	94	194171	60.227	ug/l	96
6) Chloroethane	2.745	64	160268	65.048	ug/l	98
7) Trichlorofluoromethane	3.068	101	216108	53.896	ug/l	95
8) Diethyl Ether	3.470	74	48567	50.471	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	96945	55.692	ug/l	98
10) Methyl Iodide	4.019	142	112522	55.849	ug/l	99
11) Tert butyl alcohol	4.885	59	30628	227.243	ug/l #	100
12) 1,1-Dichloroethene	3.799	96	93099	53.894	ug/l	96
13) Acrolein	3.665	56	21575	109.497	ug/l	98
14) Allyl chloride	4.397	41	143029	47.221	ug/l	94
15) Acrylonitrile	5.074	53	96693	243.864	ug/l	100
16) Acetone	3.879	43	77883	235.333	ug/l	99
17) Carbon Disulfide	4.117	76	291563	51.759	ug/l	98
18) Methyl Acetate	4.403	43	49022	46.981	ug/l	94
19) Methyl tert-butyl Ether	5.135	73	245795	51.604	ug/l	96
20) Methylene Chloride	4.629	84	99182	46.380	ug/l	95
21) trans-1,2-Dichloroethene	5.135	96	101691	53.333	ug/l	91
22) Diisopropyl ether	6.031	45	310912	48.607	ug/l	97
23) Vinyl Acetate	5.976	43	899140	232.677	ug/l	98
24) 1,1-Dichloroethane	5.927	63	186582	52.212	ug/l	98
25) 2-Butanone	6.909	43	124712	225.284	ug/l	99
26) 2,2-Dichloropropane	6.896	77	172279	54.202	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	119734	54.417	ug/l	97
28) Bromochloromethane	7.256	49	79145	51.923	ug/l	94
29) Tetrahydrofuran	7.274	42	80994	227.418	ug/l	94
30) Chloroform	7.433	83	186842	54.509	ug/l	99
31) Cyclohexane	7.713	56	173130	48.489	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	170179	54.115	ug/l	99
36) 1,1-Dichloropropene	7.848	75	141766	52.597	ug/l	98
37) Ethyl Acetate	6.994	43	57919	44.661	ug/l	96
38) Carbon Tetrachloride	7.829	117	150177	53.827	ug/l	98
39) Methylcyclohexane	9.122	83	190360	52.569	ug/l	94
40) Benzene	8.091	78	424335	53.106	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.256	41	39078m	45.426	ug/l		
42) 1,2-Dichloroethane	8.171	62	108617	50.267	ug/l		100
43) Isopropyl Acetate	8.207	43	128391	45.395	ug/l	#	85
44) Trichloroethene	8.878	130	105676	53.190	ug/l		98
45) 1,2-Dichloropropane	9.152	63	99132	51.460	ug/l		95
46) Dibromomethane	9.238	93	53943	51.917	ug/l		99
47) Bromodichloromethane	9.433	83	140915	52.278	ug/l		100
48) Methyl methacrylate	9.231	41	58854	44.496	ug/l		93
49) 1,4-Dioxane	9.238	88	11678	994.901	ug/l		88
51) 4-Methyl-2-Pentanone	10.006	43	315171	227.107	ug/l		96
52) Toluene	10.176	92	268178	53.002	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	131043	49.816	ug/l		97
54) cis-1,3-Dichloropropene	9.865	75	154811	51.367	ug/l		96
55) 1,1,2-Trichloroethane	10.579	97	67471	50.711	ug/l		98
56) Ethyl methacrylate	10.445	69	101892	49.163	ug/l		95
57) 1,3-Dichloropropane	10.725	76	121474	51.386	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.719	63	247160	265.693	ug/l		97
59) 2-Hexanone	10.768	43	206922	222.384	ug/l		95
60) Dibromochloromethane	10.920	129	90531	52.423	ug/l		99
61) 1,2-Dibromoethane	11.024	107	64690	52.166	ug/l		100
64) Tetrachloroethene	10.652	164	118077	54.305	ug/l		97
65) Chlorobenzene	11.451	112	280913	52.931	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	94462	51.774	ug/l		99
67) Ethyl Benzene	11.524	91	525554	52.876	ug/l		99
68) m/p-Xylenes	11.633	106	399310	106.617	ug/l		96
69) o-Xylene	11.963	106	186099	52.518	ug/l		96
70) Styrene	11.975	104	311800	52.163	ug/l		98
71) Bromoform	12.139	173	49753	50.521	ug/l	#	98
73) Isopropylbenzene	12.261	105	490162	53.502	ug/l		100
74) N-amyl acetate	12.078	43	119696	45.682	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.511	83	72647	51.561	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	55147m	49.223	ug/l		
77) Bromobenzene	12.542	156	102872	52.574	ug/l		97
78) n-propylbenzene	12.603	91	595455	53.885	ug/l		100
79) 2-Chlorotoluene	12.688	91	318579	52.461	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	390755	52.837	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	25898	46.827	ug/l		96
82) 4-Chlorotoluene	12.786	91	325243	52.070	ug/l		99
83) tert-Butylbenzene	13.005	119	353926	53.844	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	389894	53.109	ug/l		100
85) sec-Butylbenzene	13.182	105	534707	54.800	ug/l		100
86) p-Isopropyltoluene	13.298	119	450850	54.938	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	212275	53.142	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	202502	52.704	ug/l		99
89) n-Butylbenzene	13.621	91	429840	55.365	ug/l		100
90) Hexachloroethane	13.883	117	87959	53.097	ug/l		100
91) 1,2-Dichlorobenzene	13.664	146	176961	52.741	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	11556	50.863	ug/l		93
93) 1,2,4-Trichlorobenzene	14.926	180	103673	53.492	ug/l		98
94) Hexachlorobutadiene	15.029	225	57263	52.980	ug/l		99
95) Naphthalene	15.151	128	187535	50.990	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	86200	52.428	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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Instrument :
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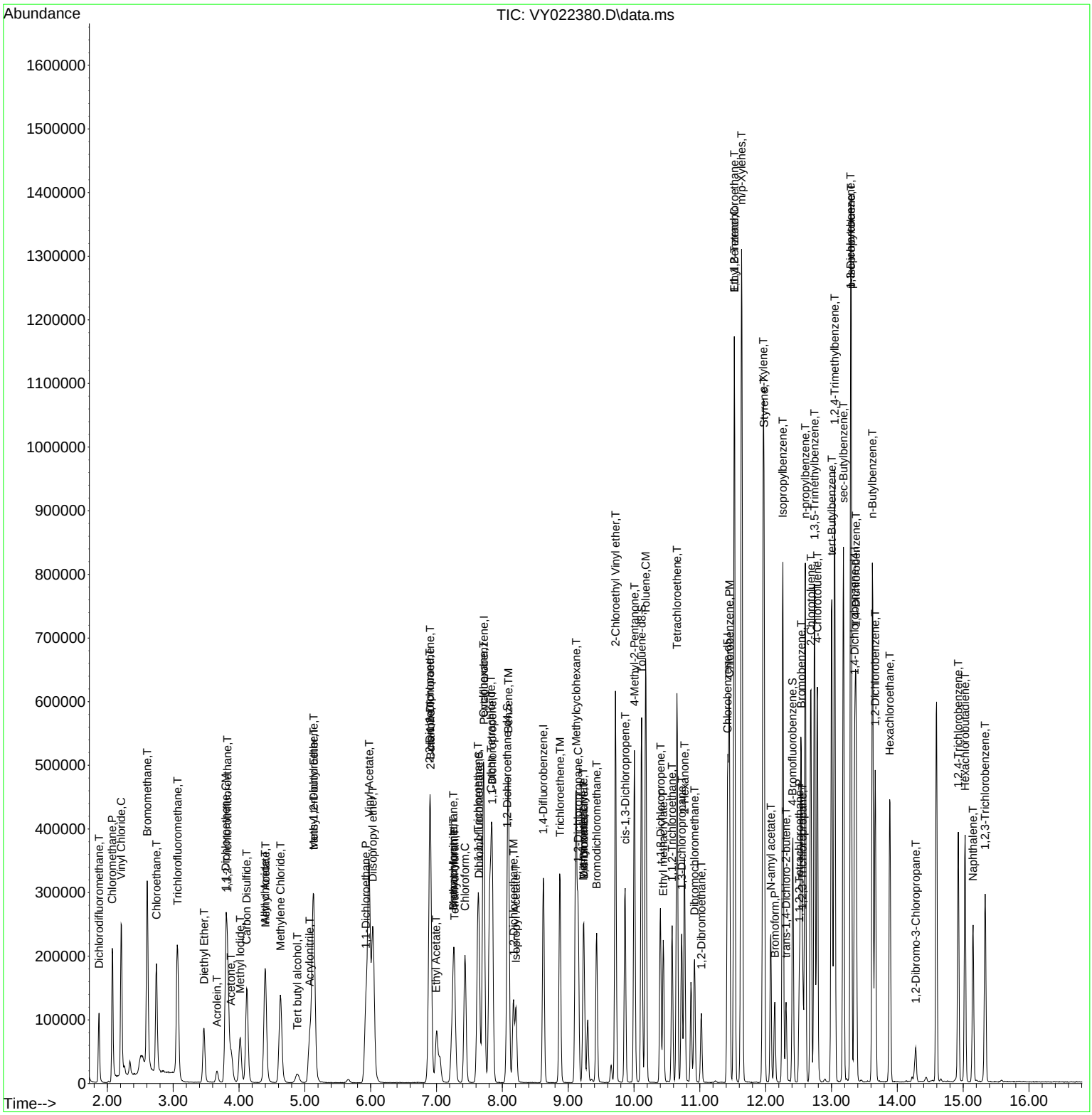
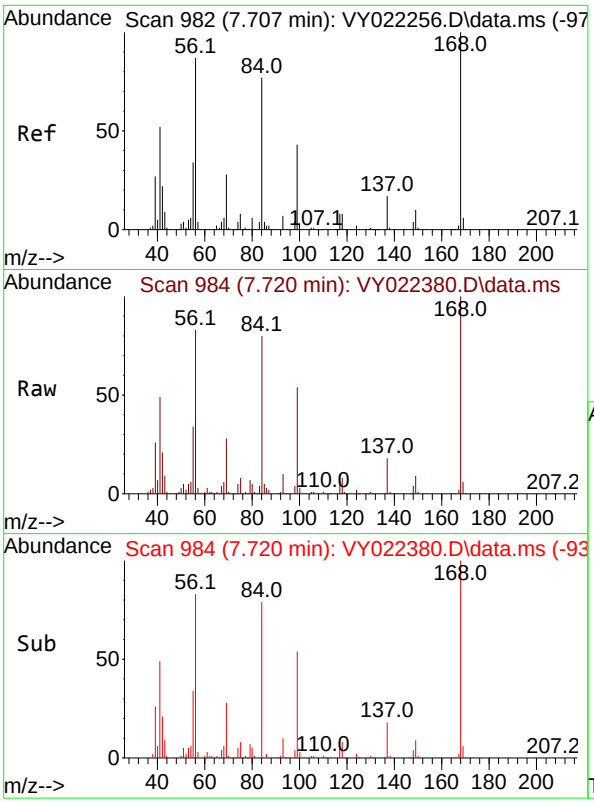
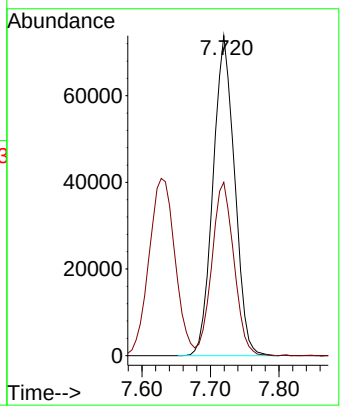




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 9
Delta R.T. 0.013 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:168 Resp: 16149

Ion	Ratio	Lower	Upper
168	100		
99	54.2	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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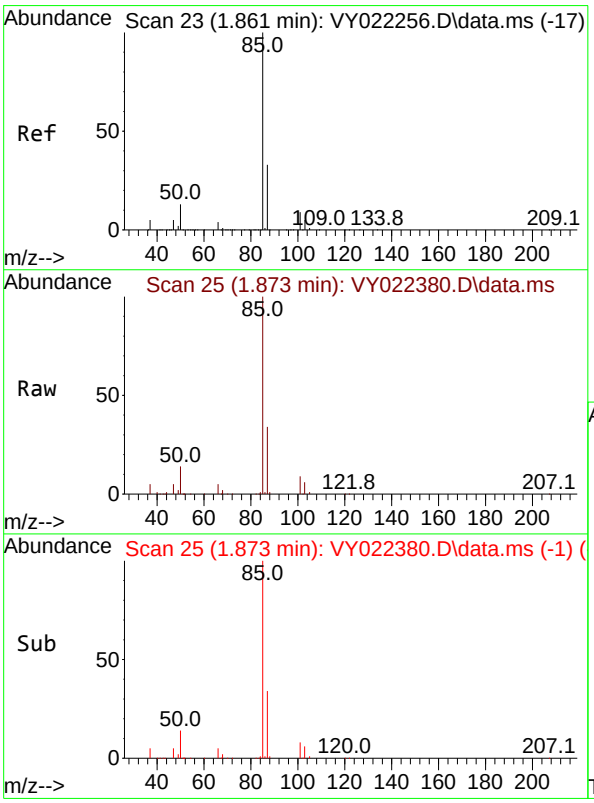
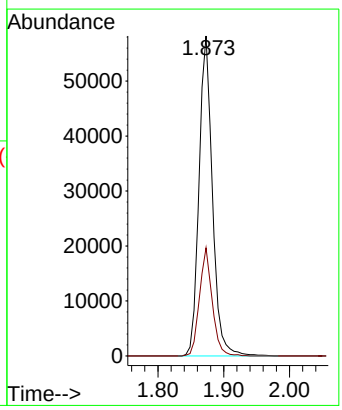
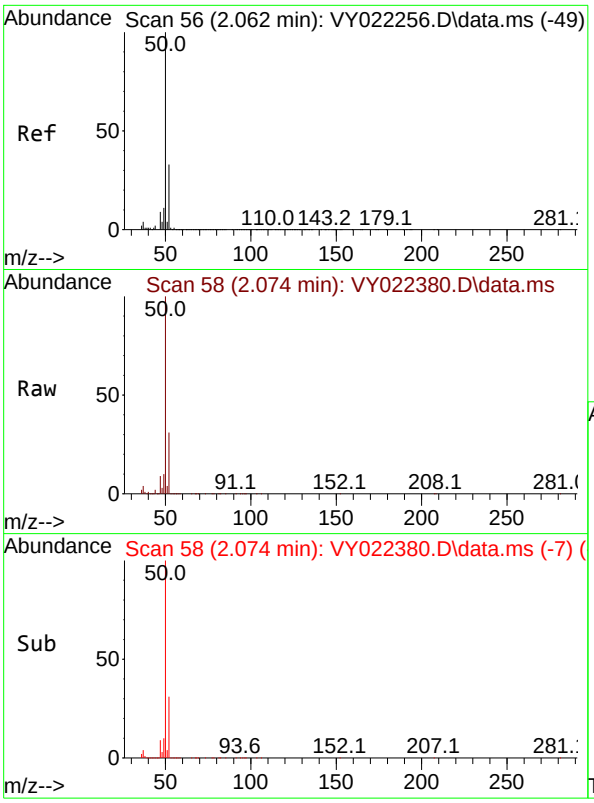


#2
Dichlorodifluoromethane
Concen: 49.047 ug/l
RT: 1.873 min Scan# 25
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 85 Resp: 82650

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.5	49.5

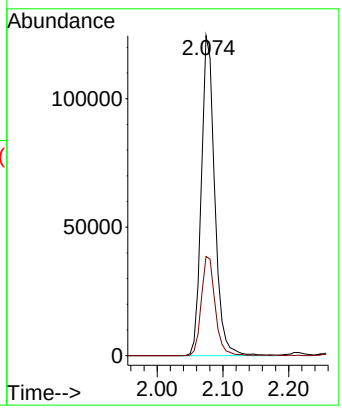




#3
Chloromethane
Concen: 49.773 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 50 Resp: 17643

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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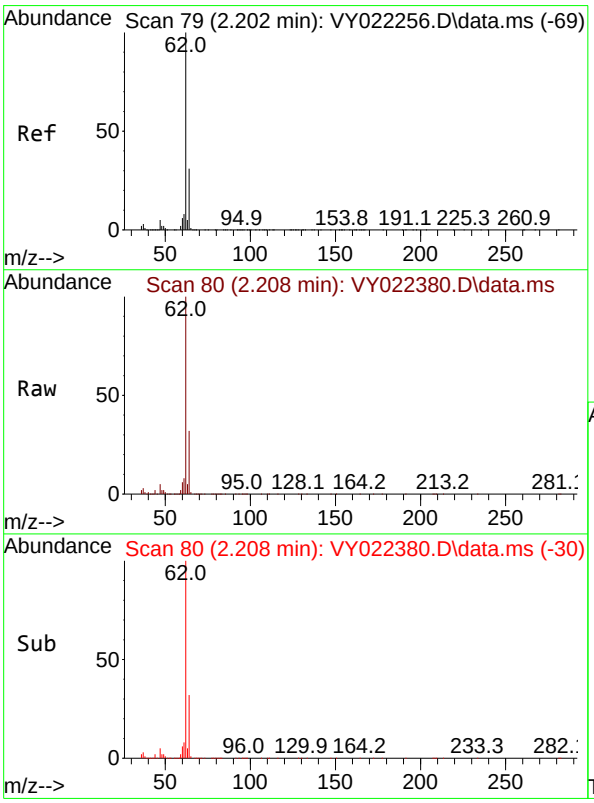
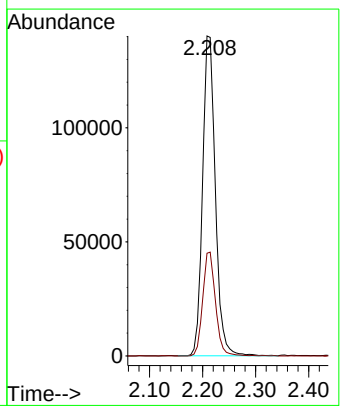
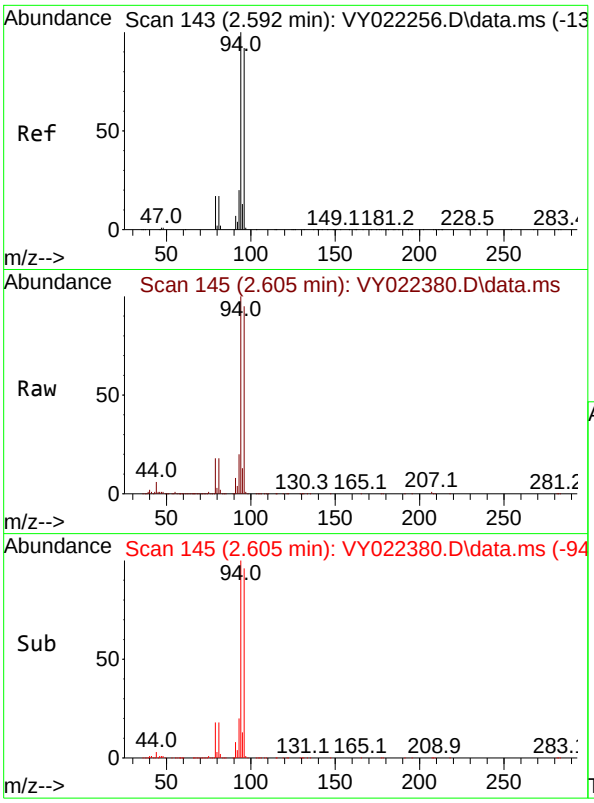


#4
Vinyl Chloride
Concen: 59.188 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 62 Resp: 234408

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.5	36.7

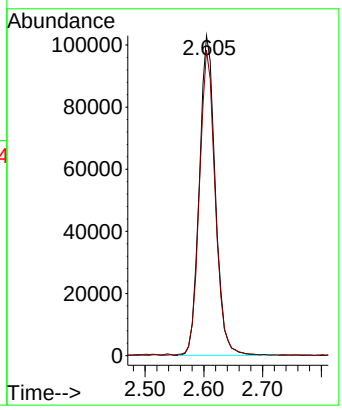




#5
Bromomethane
Concen: 60.227 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 94 Resp: 19417

Ion	Ratio	Lower	Upper
94	100		
96	95.4	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 05/23/2025
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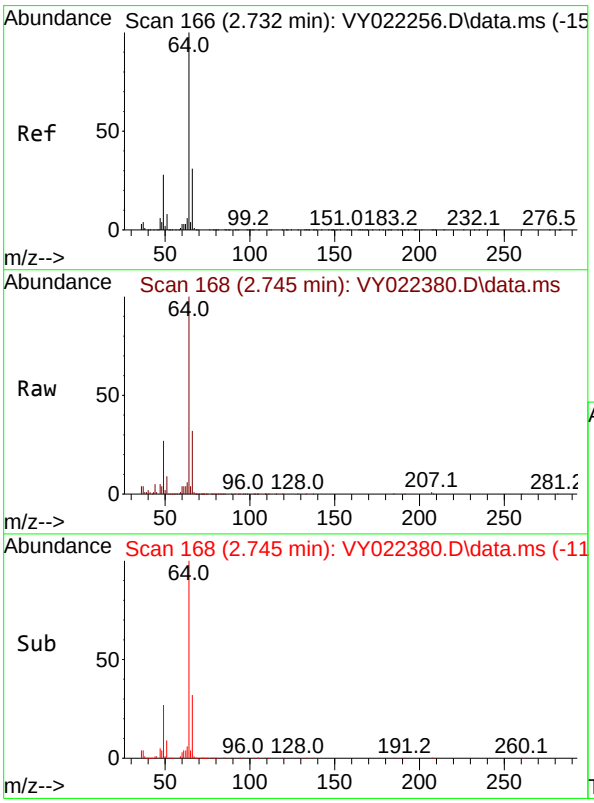
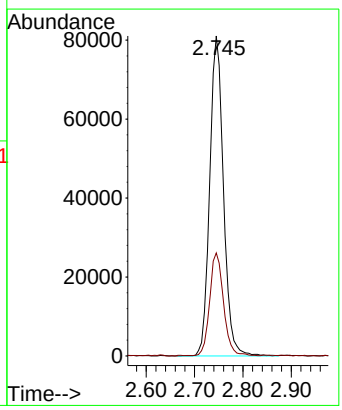
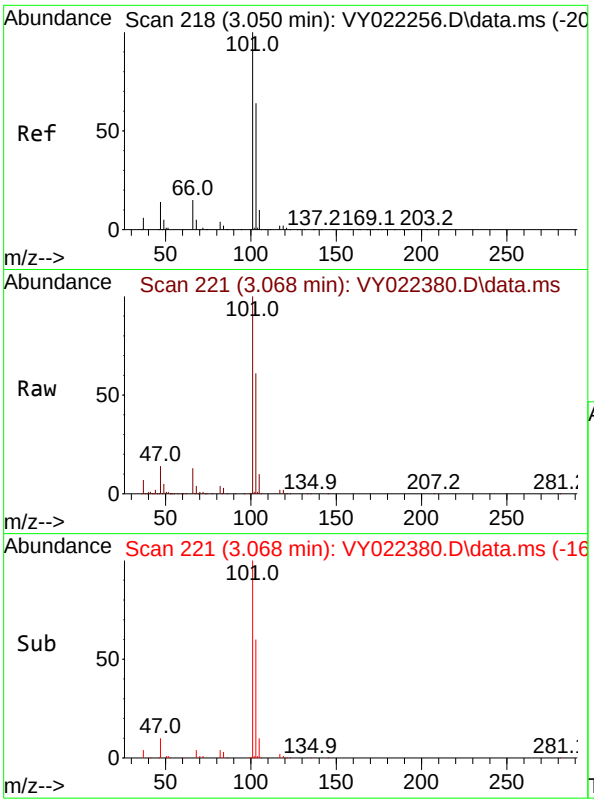


#6
Chloroethane
Concen: 65.048 ug/l
RT: 2.745 min Scan# 168
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 64 Resp: 160268

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.8	37.2

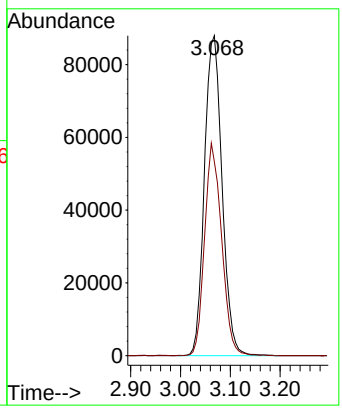




#7
Trichlorofluoromethane
Concen: 53.896 ug/l
RT: 3.068 min Scan# 2
Delta R.T. 0.018 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:101 Resp: 21610

Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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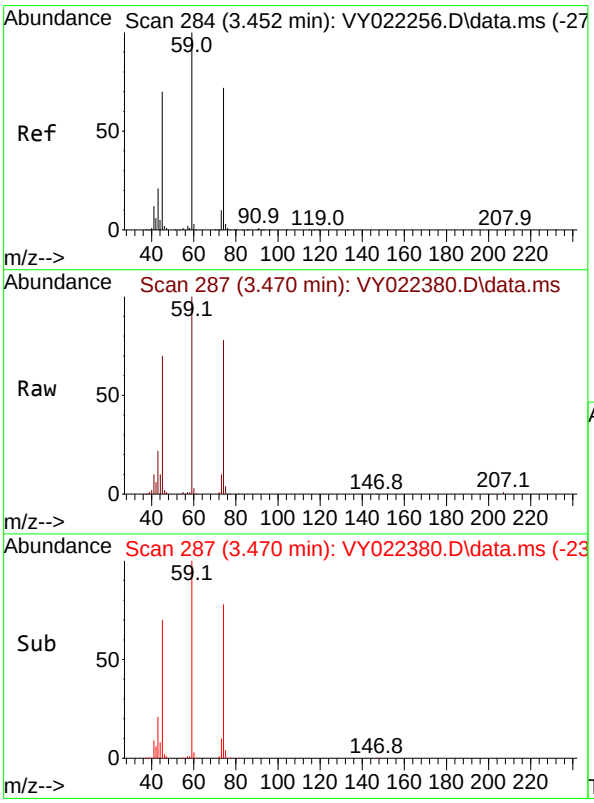
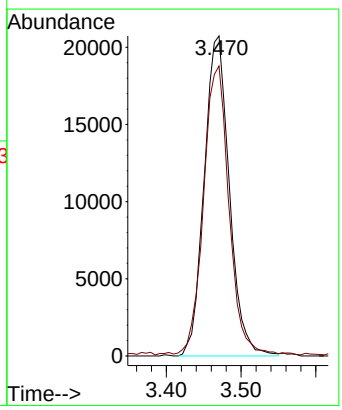
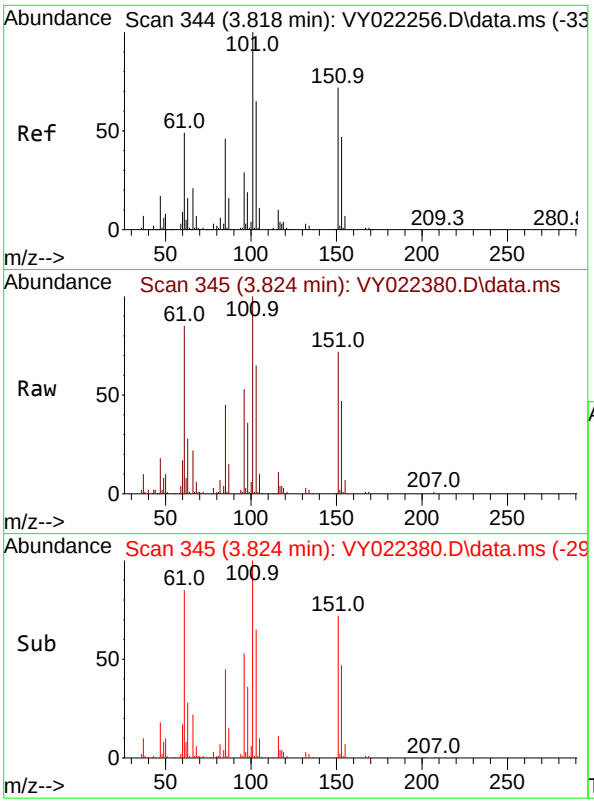


#8
Diethyl Ether
Concen: 50.471 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.018 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 74 Resp: 48567

Ion	Ratio	Lower	Upper
74	100		
45	91.3	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.692 ug/l
RT: 3.824 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:101 Resp: 9694

Ion	Ratio	Lower	Upper
101	100		
85	47.5	38.6	58.0
151	73.1	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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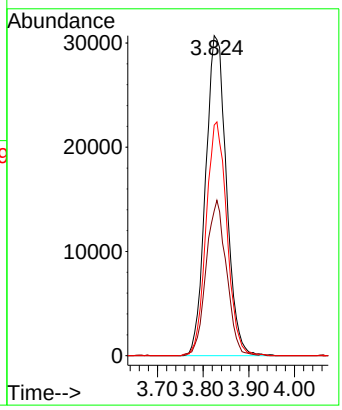
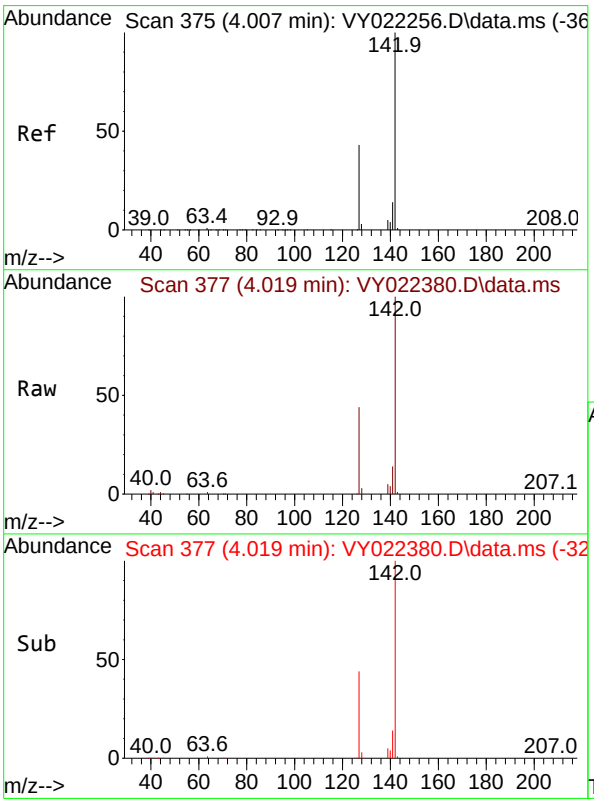
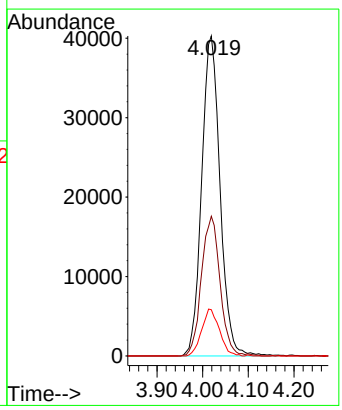


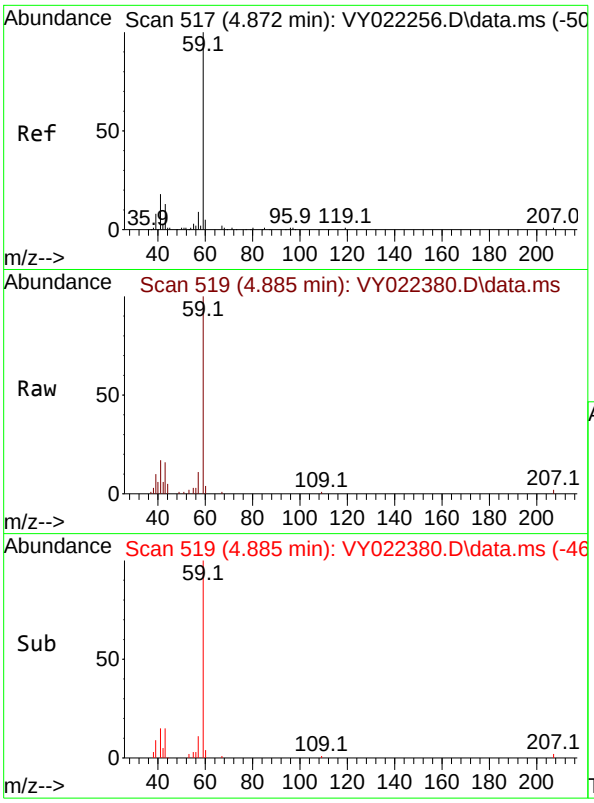


#10
Methyl Iodide
Concen: 55.849 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:142 Resp: 112522

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.7	53.5
141	14.1	11.1	16.7

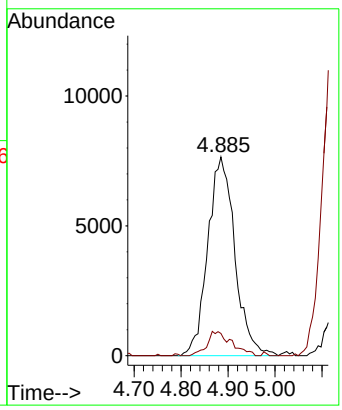




#11
Tert butyl alcohol
Concen: 227.243 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 59 Resp: 3062

Ion	Ratio	Lower	Upper
59	100		
57	11.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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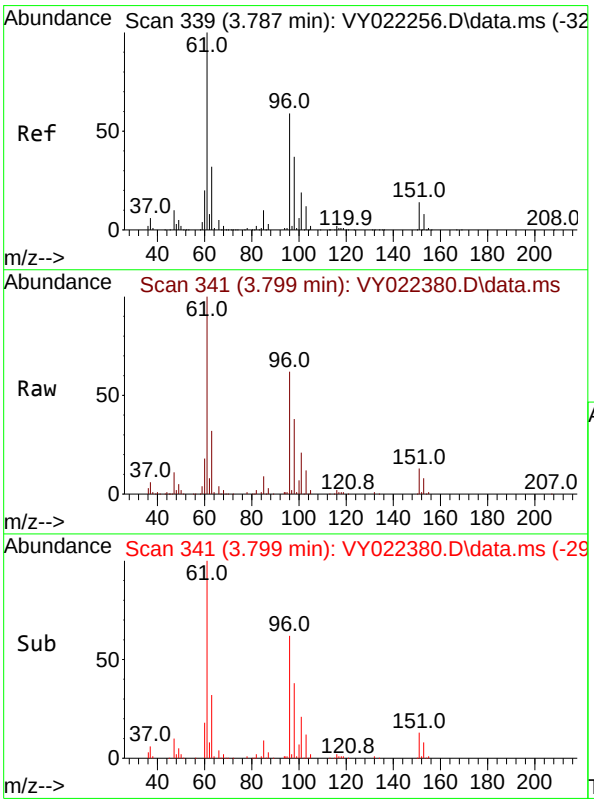
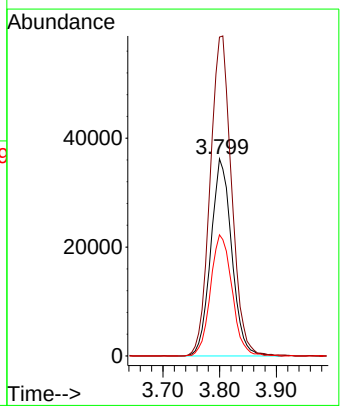
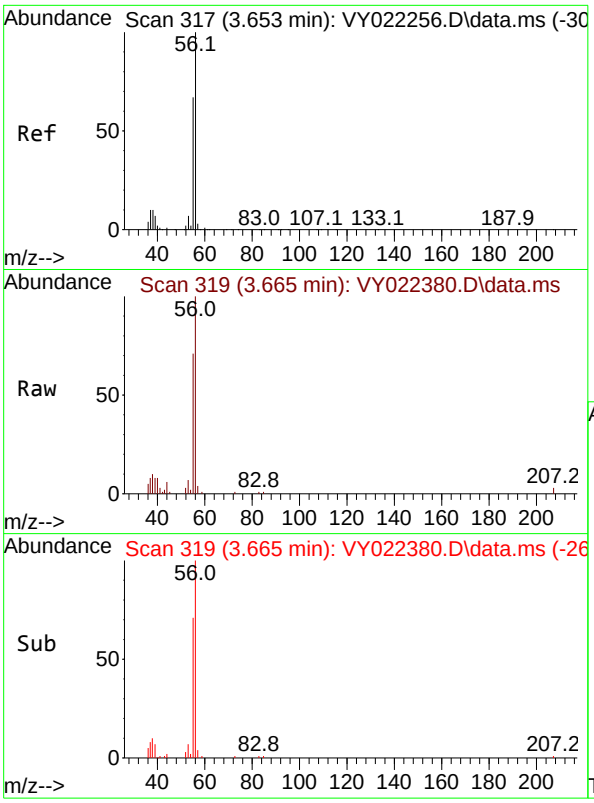


#12
1,1-Dichloroethene
Concen: 53.894 ug/l
RT: 3.799 min Scan# 341
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 96 Resp: 93099

Ion	Ratio	Lower	Upper
96	100		
61	161.7	134.9	202.3
98	61.5	49.9	74.9

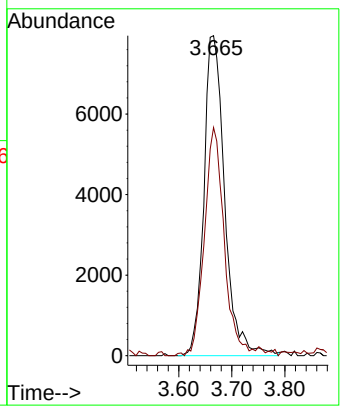




#13
Acrolein
Concen: 109.497 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 56 Resp: 2157

Ion	Ratio	Lower	Upper
56	100		
55	68.2	55.6	83.4



Instrument :
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ClientSampleId :
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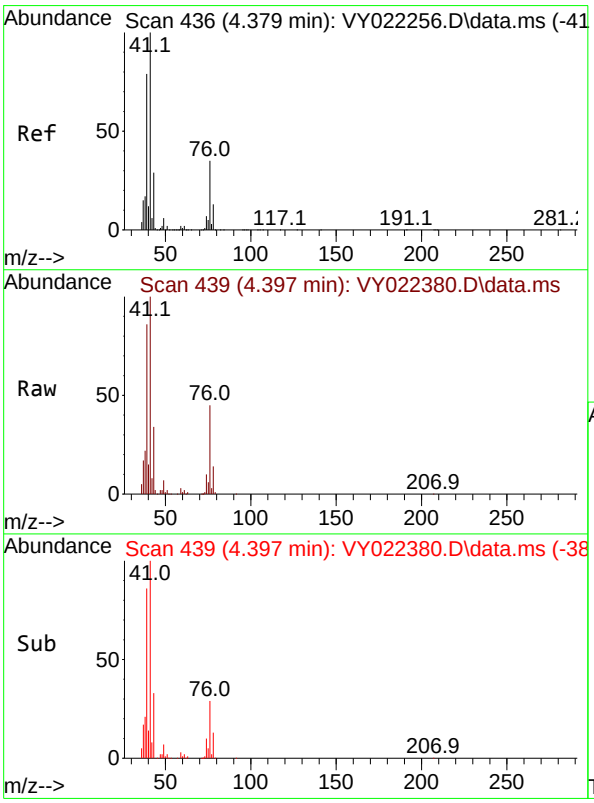
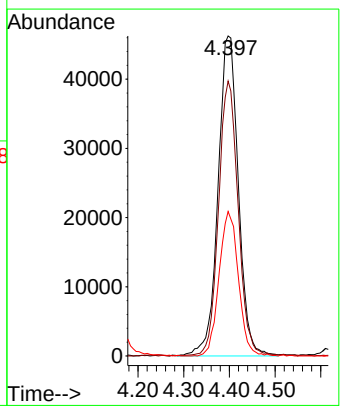
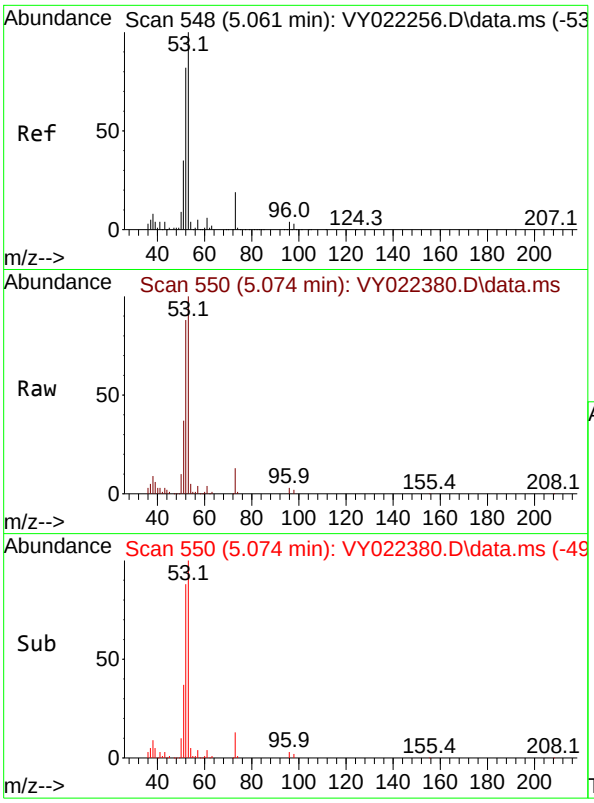


#14
Allyl chloride
Concen: 47.221 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.018 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 41 Resp: 143029

Ion	Ratio	Lower	Upper
41	100		
39	83.0	63.4	95.0
76	42.9	29.5	44.3

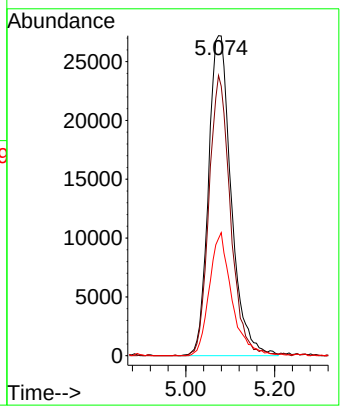




#15
Acrylonitrile
Concen: 243.864 ug/l
RT: 5.074 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 53 Resp: 9669

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	37.8	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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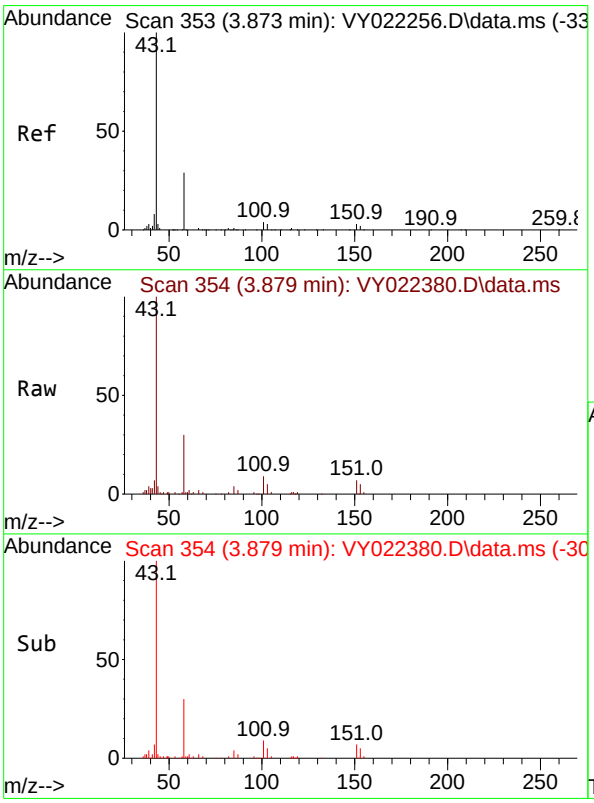
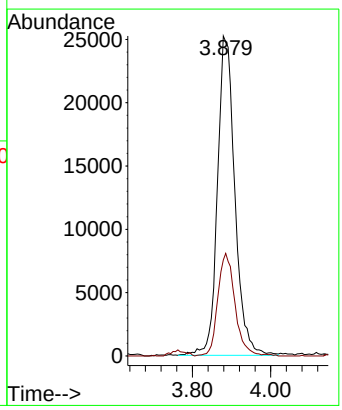
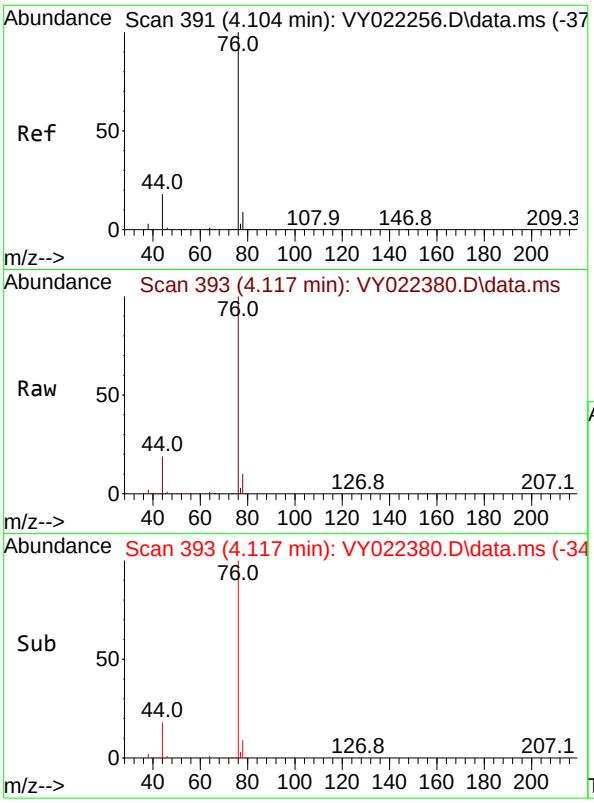


#16
Acetone
Concen: 235.333 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 77883

Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.6	35.4

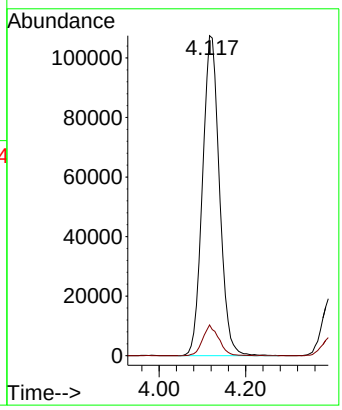




#17
Carbon Disulfide
Concen: 51.759 ug/l
RT: 4.117 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 76 Resp: 29156

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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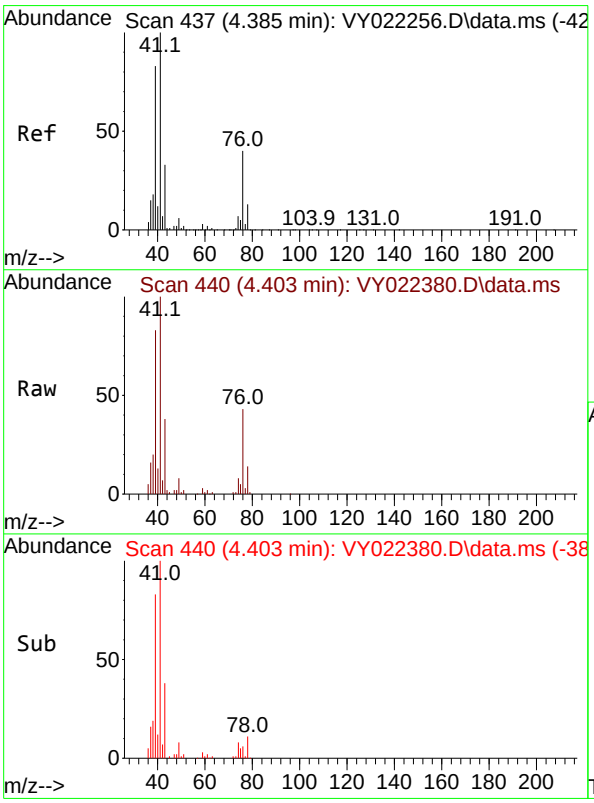
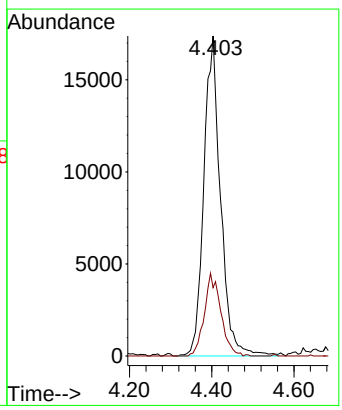
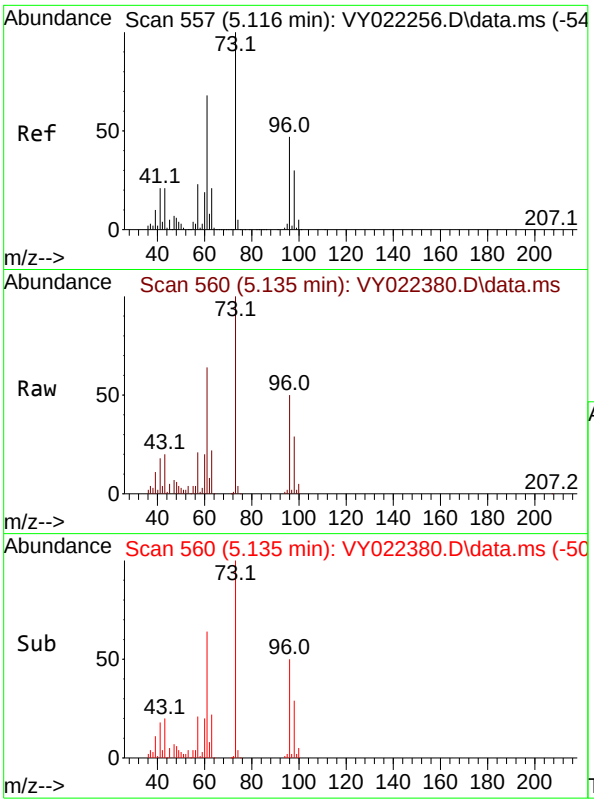


#18
Methyl Acetate
Concen: 46.981 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 49022

Ion	Ratio	Lower	Upper
43	100		
74	25.5	18.2	27.4

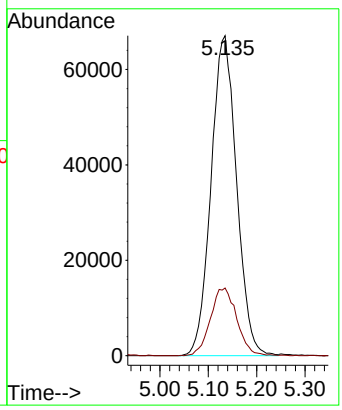




#19
Methyl tert-butyl Ether
Concen: 51.604 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 73 Resp: 24579

Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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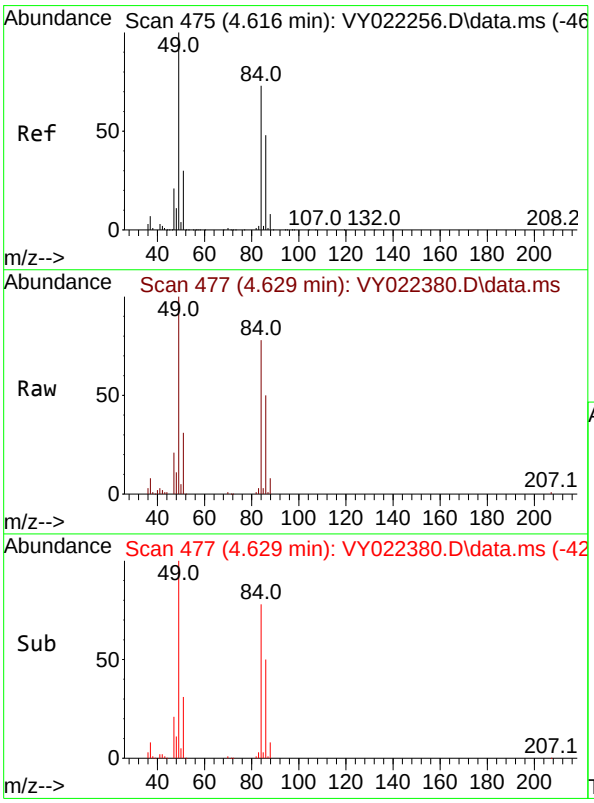
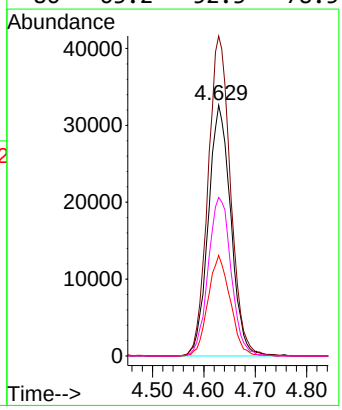
Supervised By :Mahesh Dadoda 05/23/2025

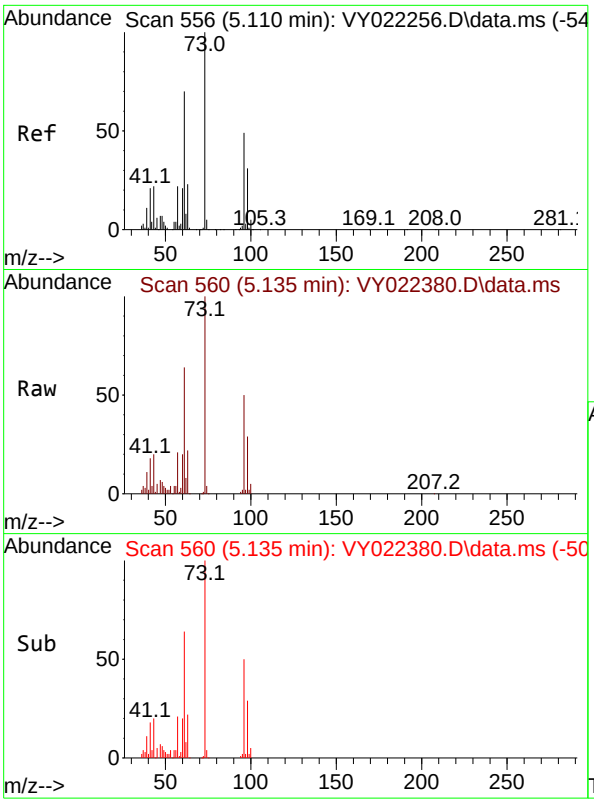


#20
Methylene Chloride
Concen: 46.380 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 84 Resp: 99182

Ion	Ratio	Lower	Upper
84	100		
49	127.6	109.6	164.4
51	40.1	32.4	48.6
86	63.2	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 53.333 ug/l
RT: 5.135 min Scan# 5
Delta R.T. 0.025 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 96 Resp: 10169

Ion	Ratio	Lower	Upper
96	100		
61	129.3	113.4	170.0
98	59.4	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 05/23/2025
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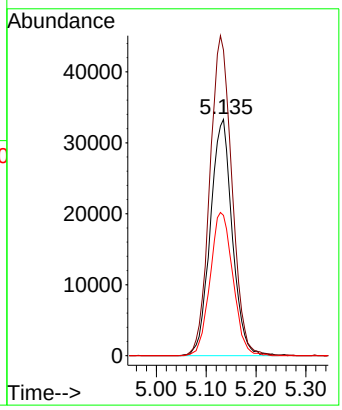
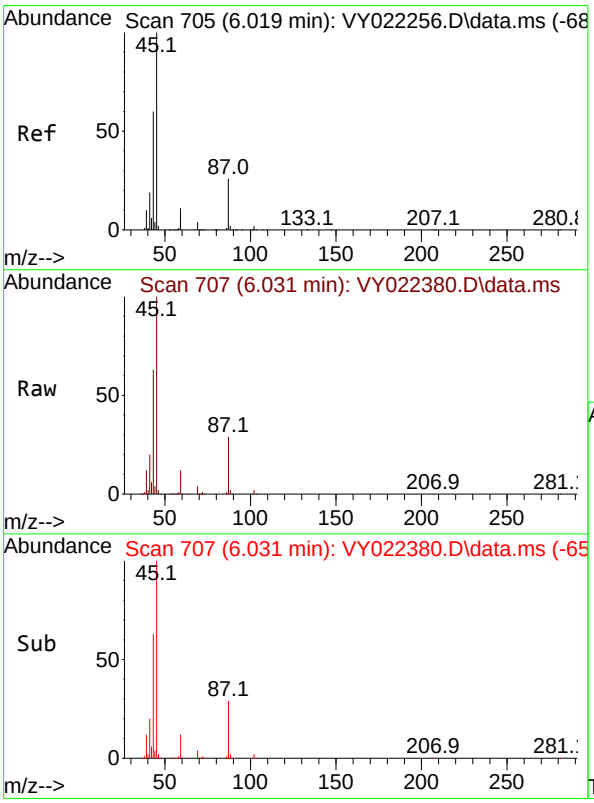
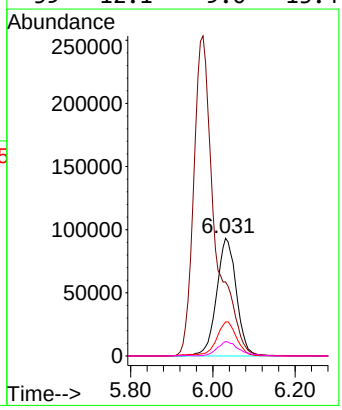


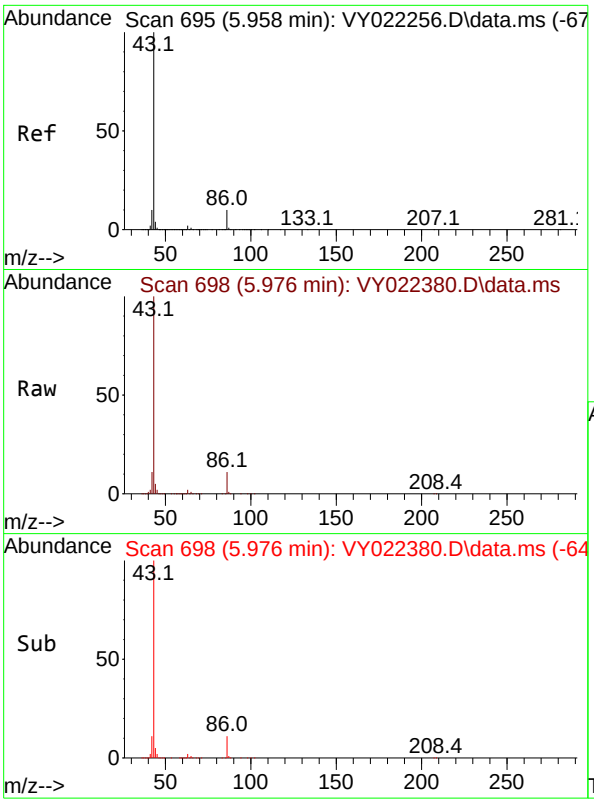


#22
Diisopropyl ether
Concen: 48.607 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 45 Resp: 310912

Ion	Ratio	Lower	Upper
45	100		
43	62.4	48.2	72.2
87	28.9	21.4	32.0
59	12.1	9.0	13.4

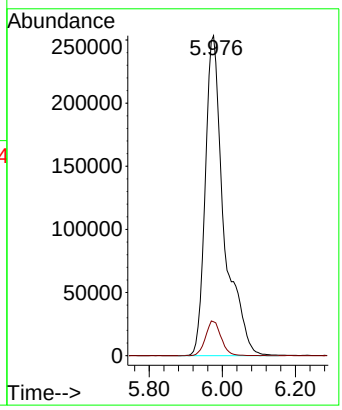




#23
Vinyl Acetate
Concen: 232.677 ug/l
RT: 5.976 min Scan# 6
Delta R.T. 0.018 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 89914

Ion	Ratio	Lower	Upper
43	100		
86	10.6	7.8	11.8



Instrument :
MSVOA_Y
ClientSampleId :
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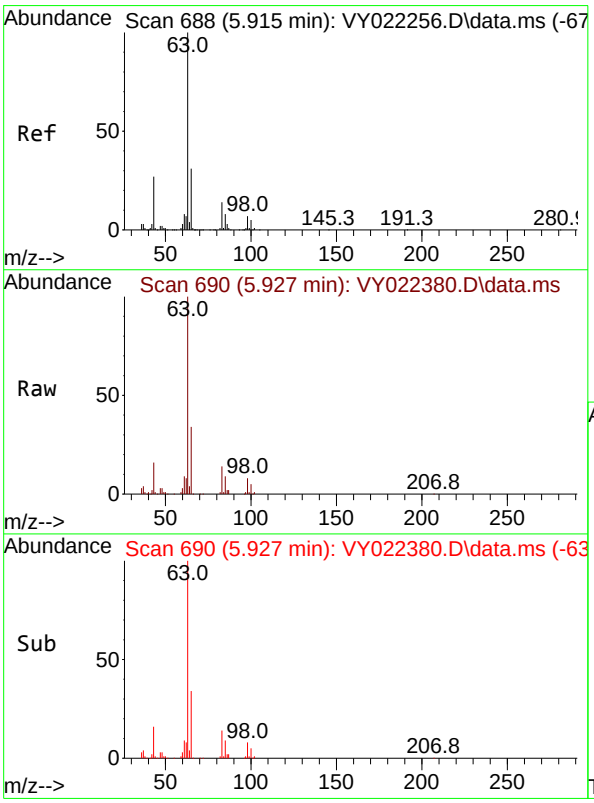
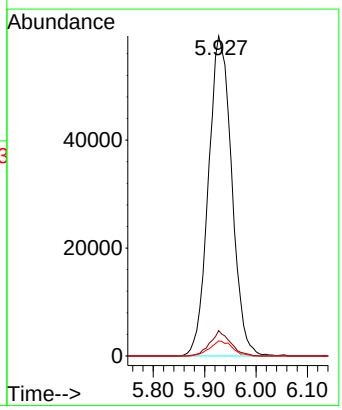
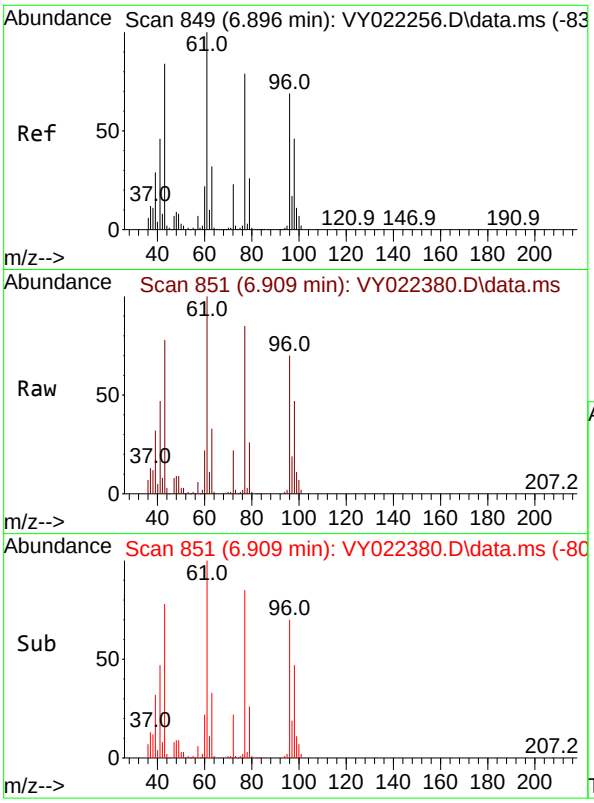


#24
1,1-Dichloroethane
Concen: 52.212 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 63 Resp: 186582

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.5	10.5
100	4.7	2.4	7.2





#25
2-Butanone
Concen: 225.284 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 12471

Ion	Ratio	Lower	Upper
43	100		
72	28.0	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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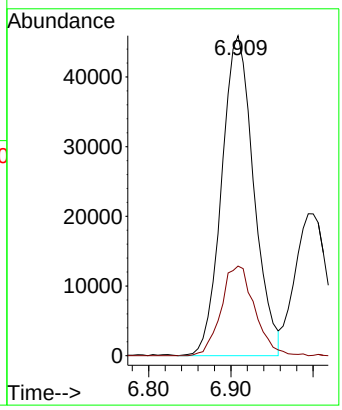
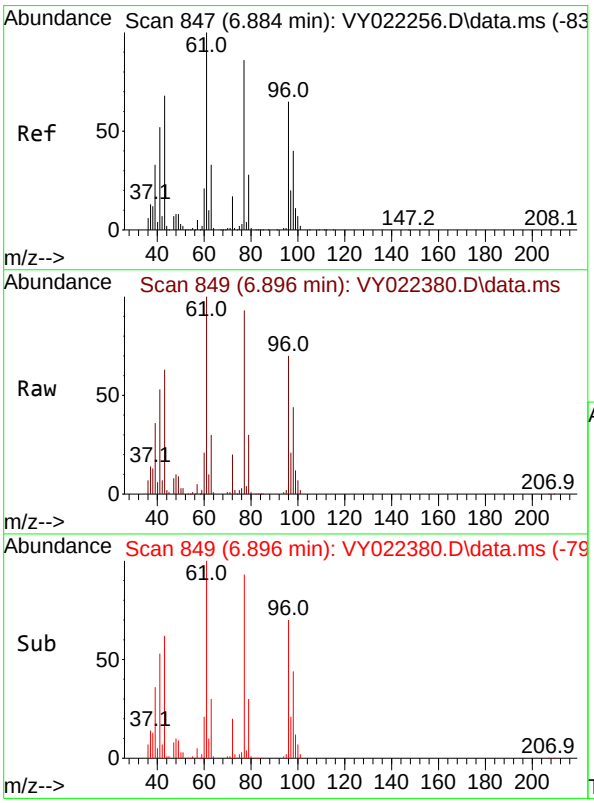
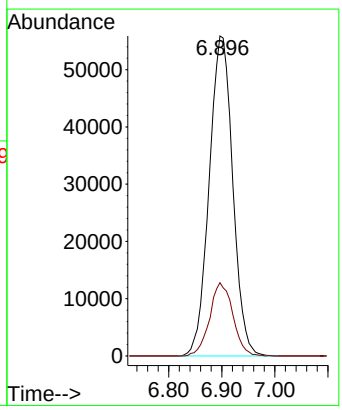


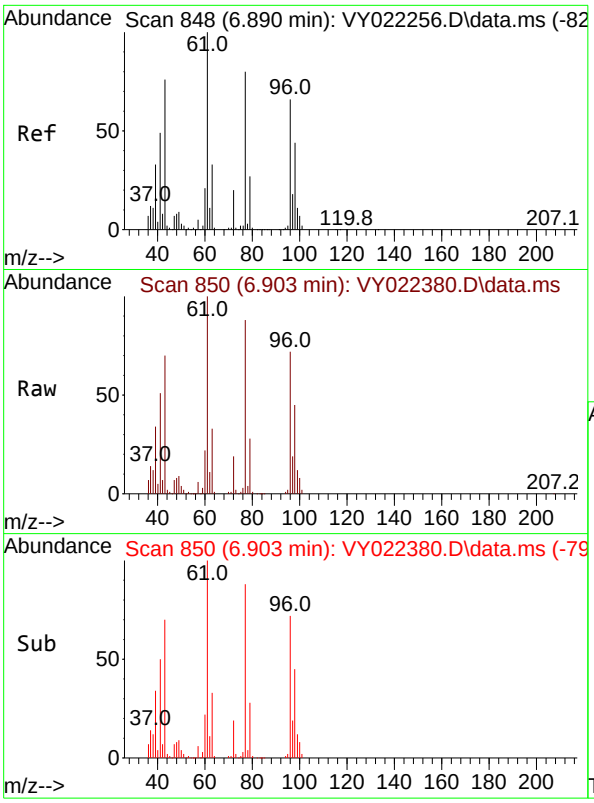


#26
2,2-Dichloropropane
Concen: 54.202 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 77 Resp: 172279

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 54.417 ug/l
RT: 6.903 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 96 Resp: 11973

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	302.6
98	64.8	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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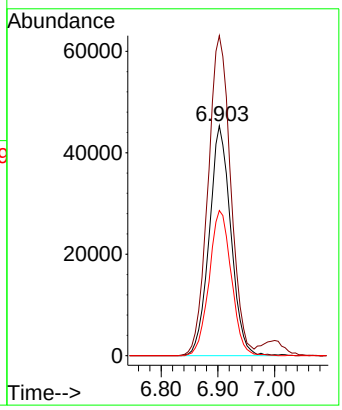
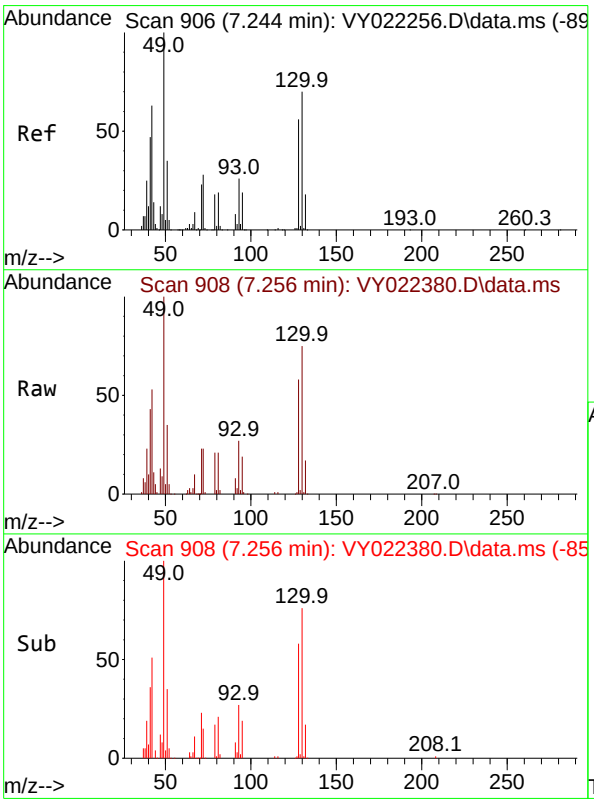
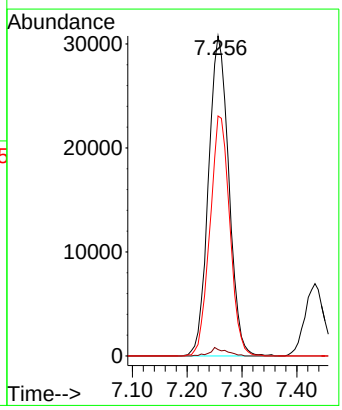


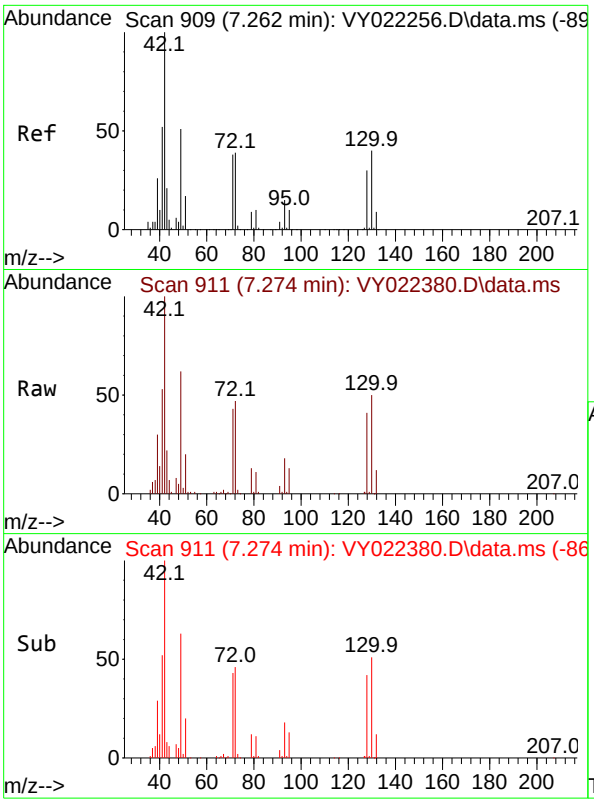


#28
Bromochloromethane
Concen: 51.923 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 49 Resp: 79145

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.6
130	73.2	54.7	82.1





#29
Tetrahydrofuran
Concen: 227.418 ug/l
RT: 7.274 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 42 Resp: 8099

Ion	Ratio	Lower	Upper
42	100		
72	47.2	33.8	50.6
71	42.5	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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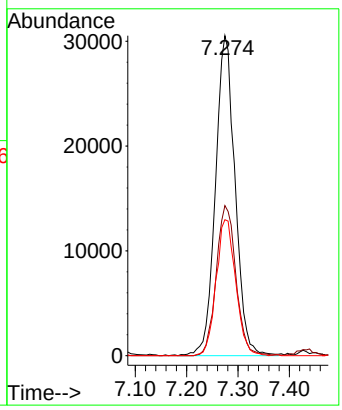
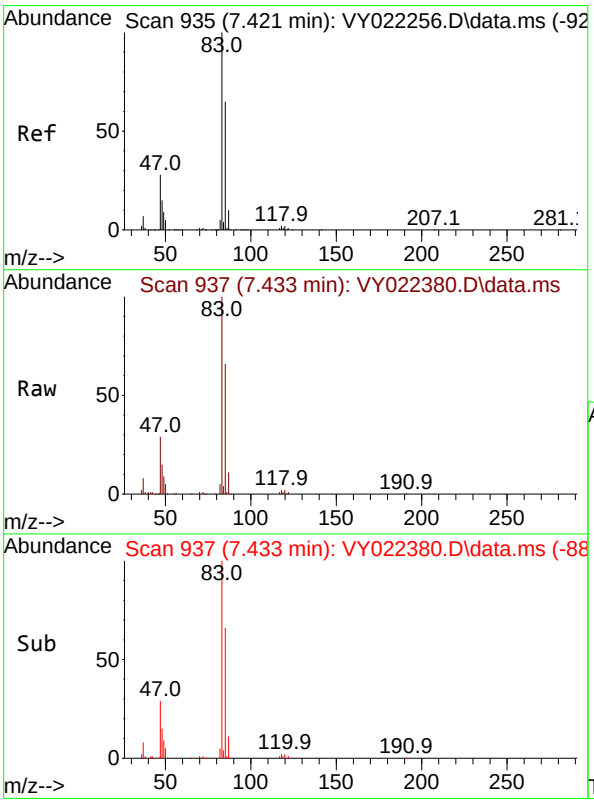
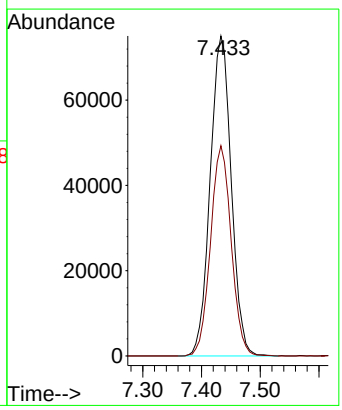


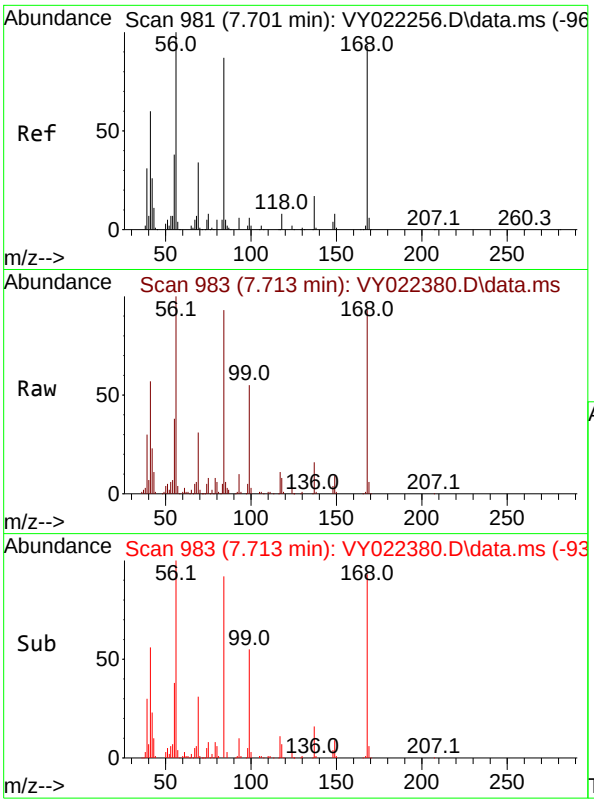


#30
Chloroform
Concen: 54.509 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 83 Resp: 186842

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8

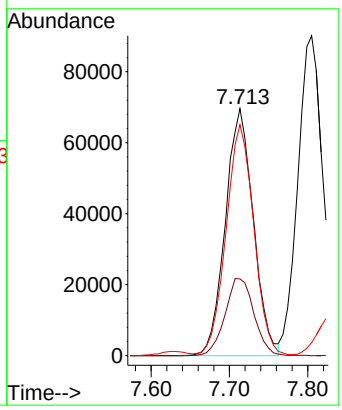




#31
Cyclohexane
Concen: 48.489 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 56 Resp: 17313

Ion	Ratio	Lower	Upper
56	100		
69	31.1	27.4	41.2
84	91.9	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
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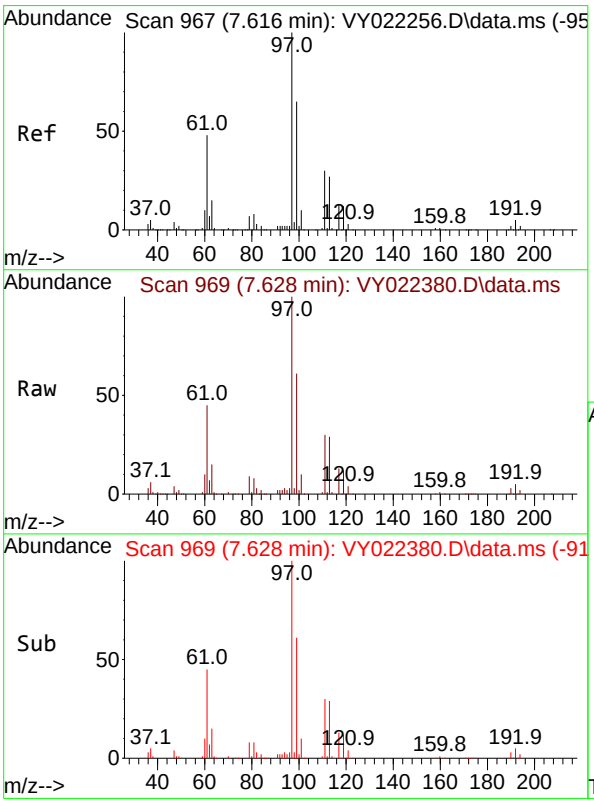
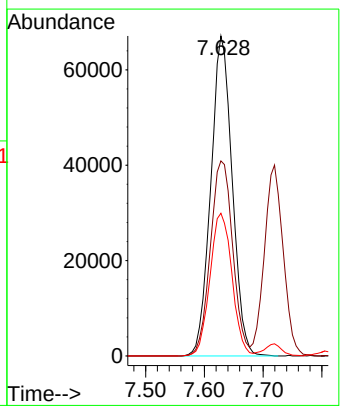
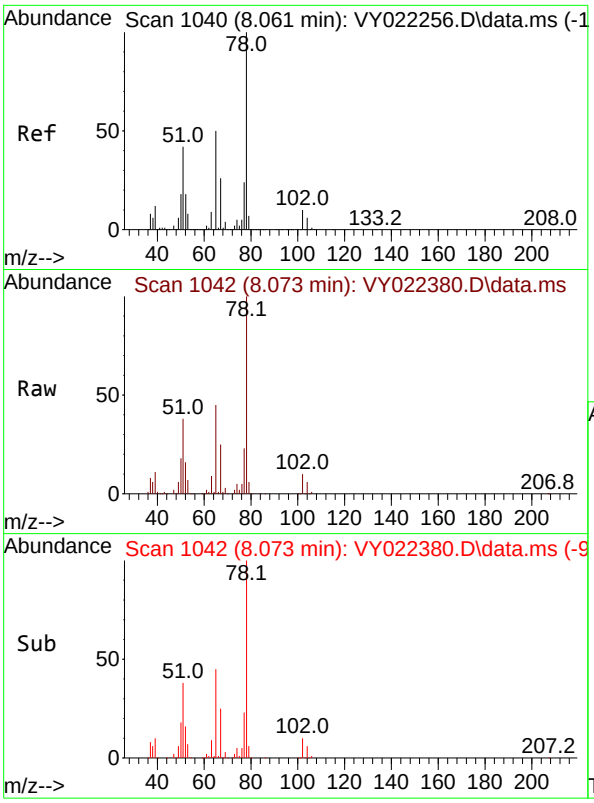


#32
1,1,1-Trichloroethane
Concen: 54.115 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 97 Resp: 170179

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	45.9	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 51.370 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 65 Resp: 9066

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	104.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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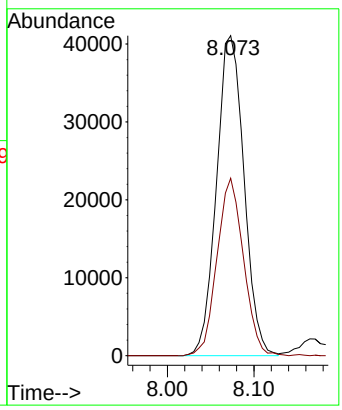
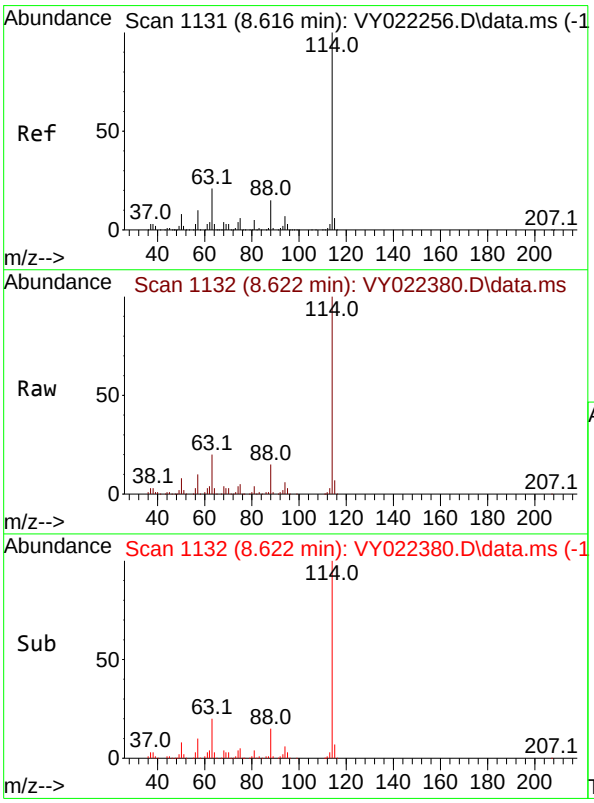
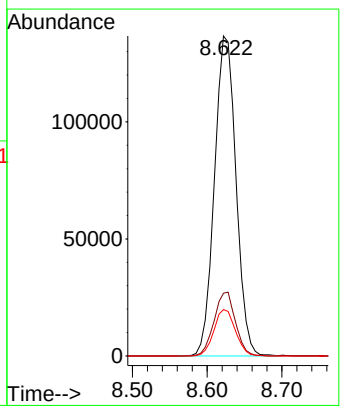


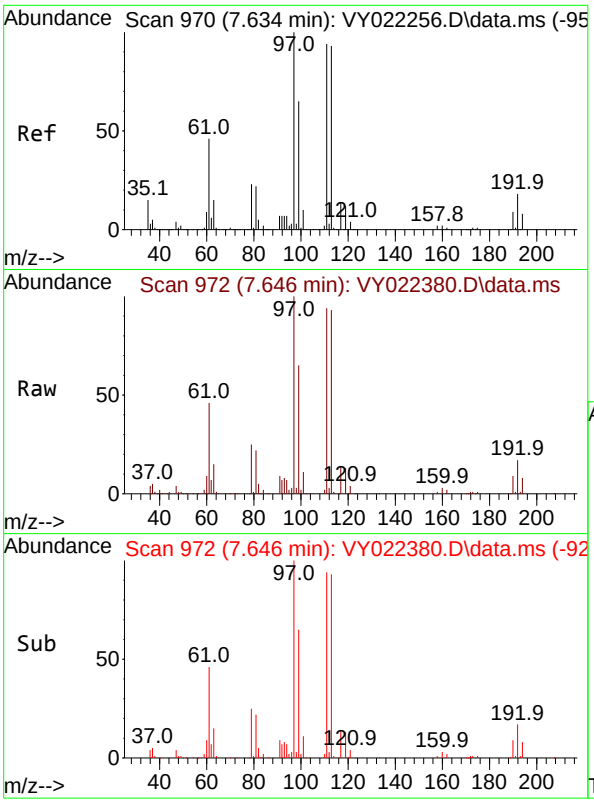


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:114 Resp: 274168

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.0
88	14.5	0.0	29.4

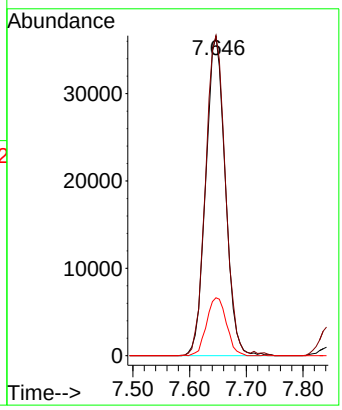




#35
Dibromofluoromethane
Concen: 53.337 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:113 Resp: 8728

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	18.5	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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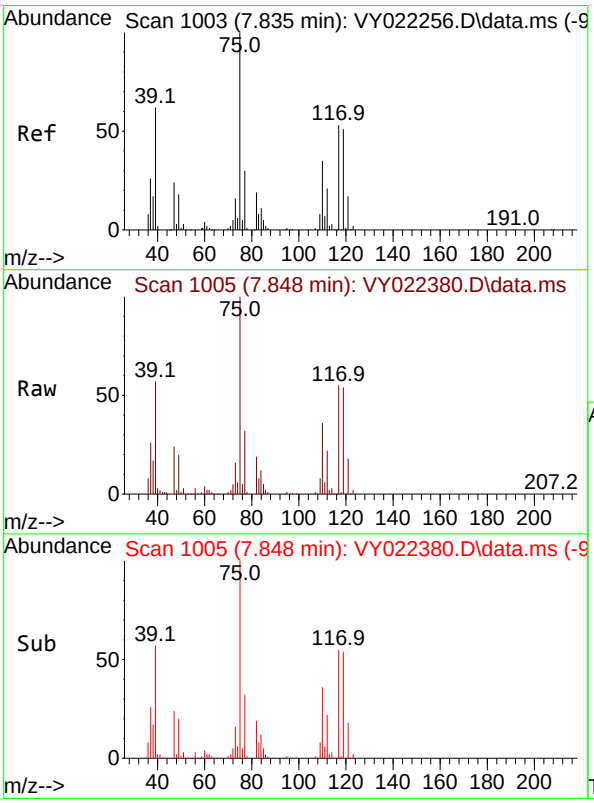
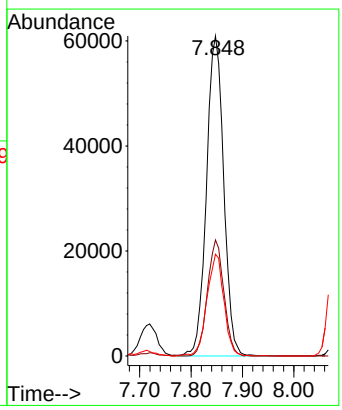
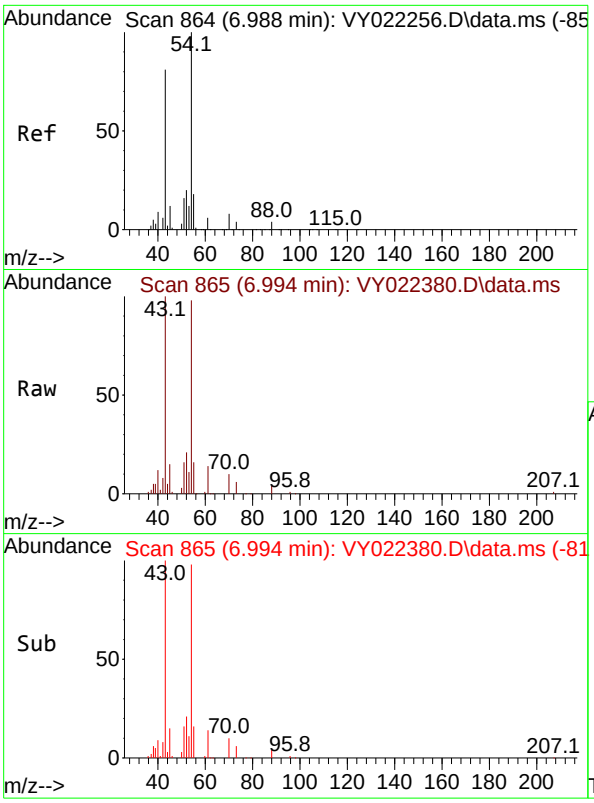


#36
1,1-Dichloropropene
Concen: 52.597 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 75 Resp: 141766

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.6	49.8
77	31.2	24.6	37.0





#37
Ethyl Acetate
Concen: 44.661 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 5791

Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.2	15.2
70	9.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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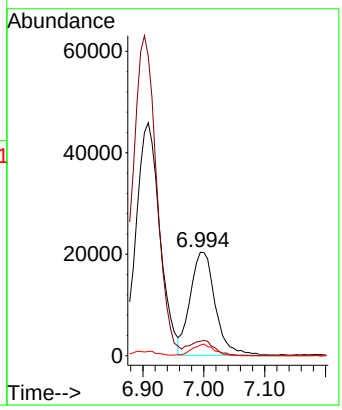
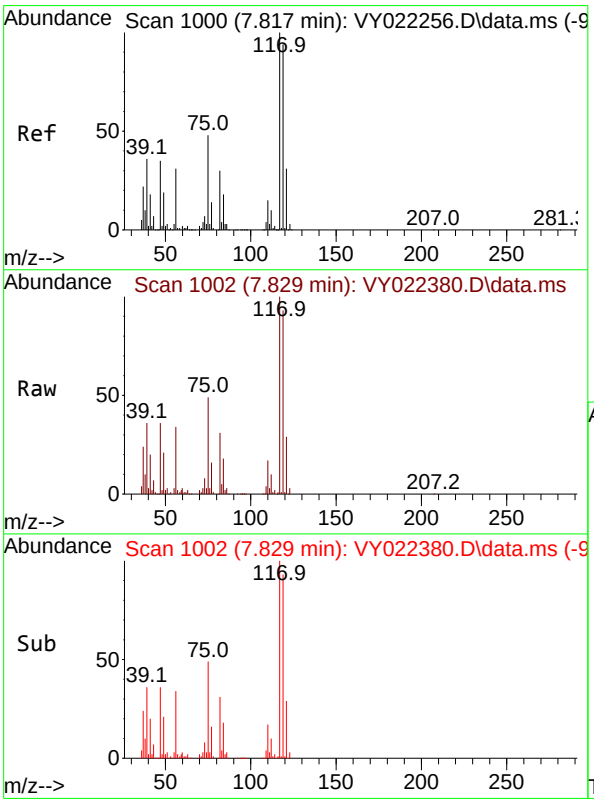
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

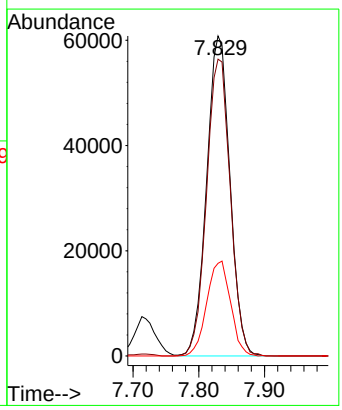


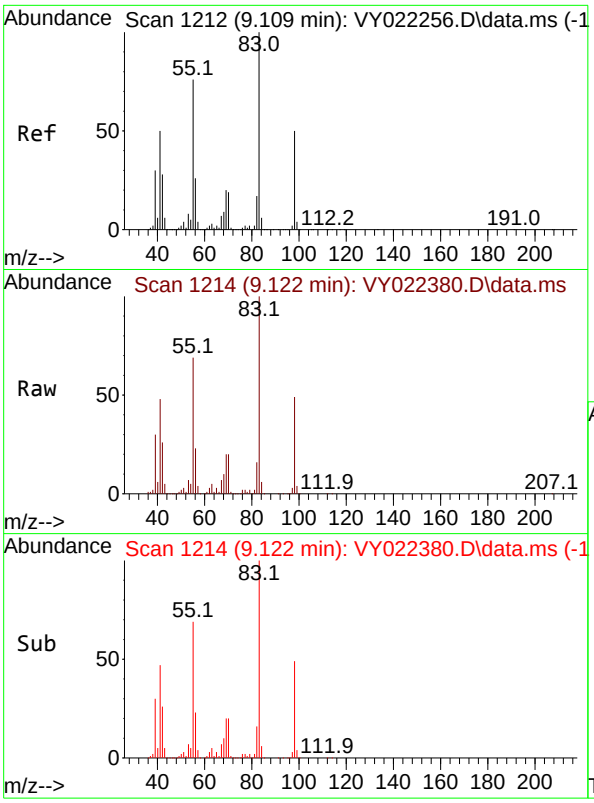


#38
Carbon Tetrachloride
Concen: 53.827 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:117 Resp: 150177

Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.3	112.9
121	29.0	24.7	37.1





#39
Methylcyclohexane
Concen: 52.569 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 83 Resp: 19036

Ion	Ratio	Lower	Upper
83	100		
55	68.8	60.6	90.8
98	48.7	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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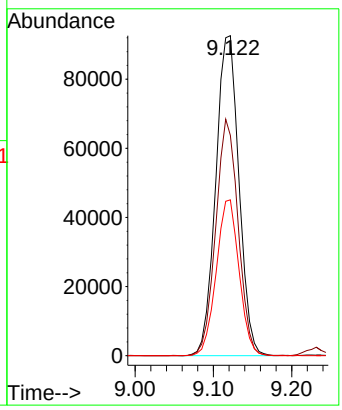
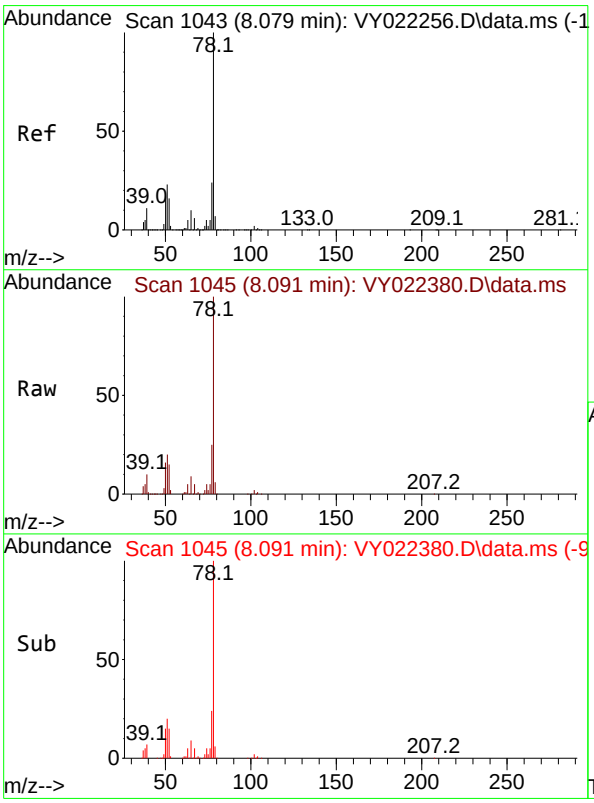
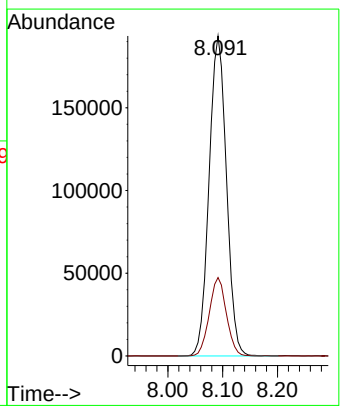


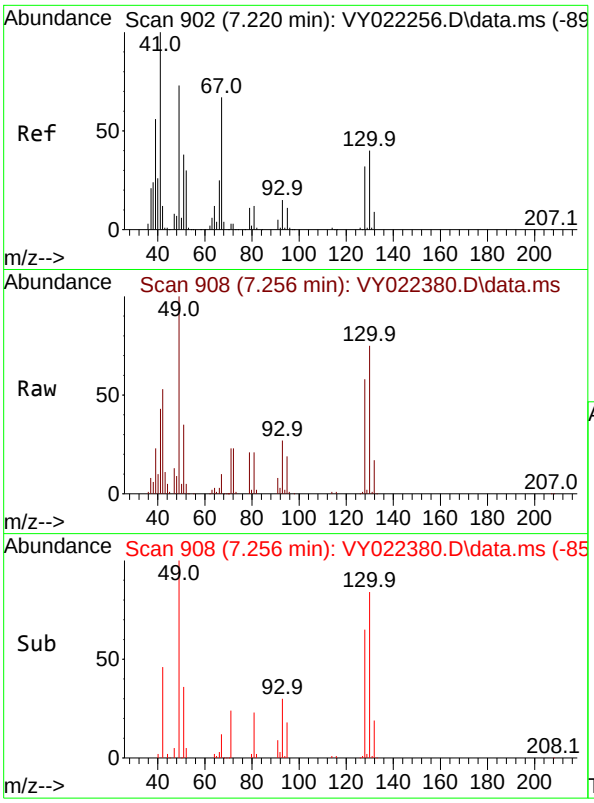


#40
Benzene
Concen: 53.106 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 78 Resp: 424335

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3

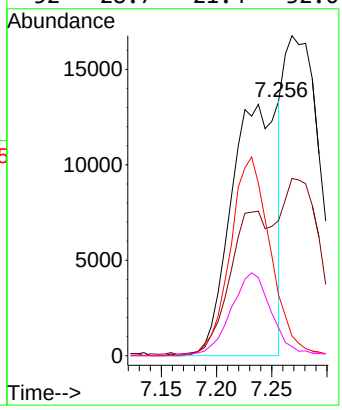




#41
Methacrylonitrile
Concen: 45.426 ug/l m
RT: 7.256 min Scan# 9
Delta R.T. 0.037 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 41 Resp: 3907

Ion	Ratio	Lower	Upper
41	100		
39	42.8	39.1	58.7
67	67.6	47.1	70.7
52	28.7	21.4	32.0



Instrument :
MSVOA_Y
ClientSampleId :
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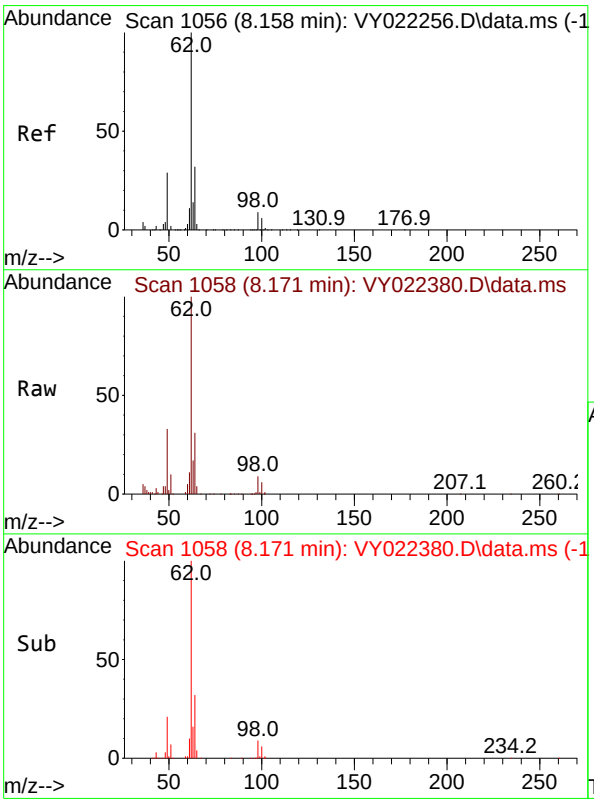
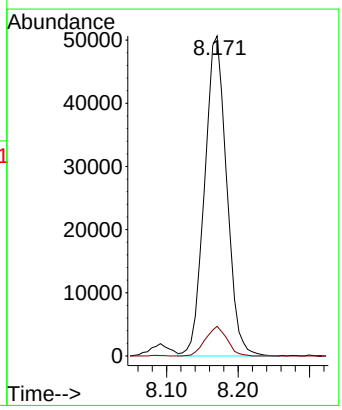
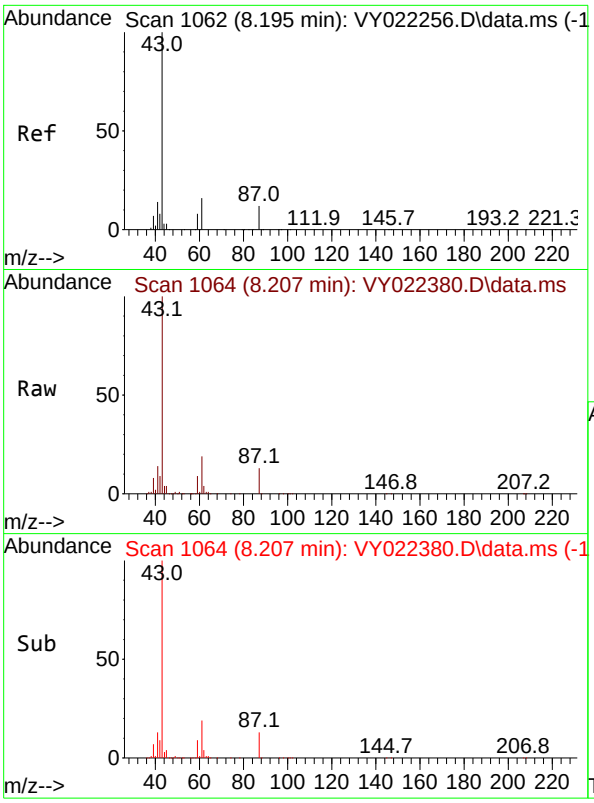


#42
1,2-Dichloroethane
Concen: 50.267 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 62 Resp: 108617

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43
Isopropyl Acetate
Concen: 45.395 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 12839

Ion	Ratio	Lower	Upper
43	100		
61	28.8	15.1	22.7#
87	13.4	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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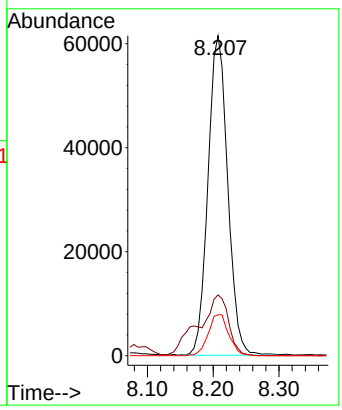
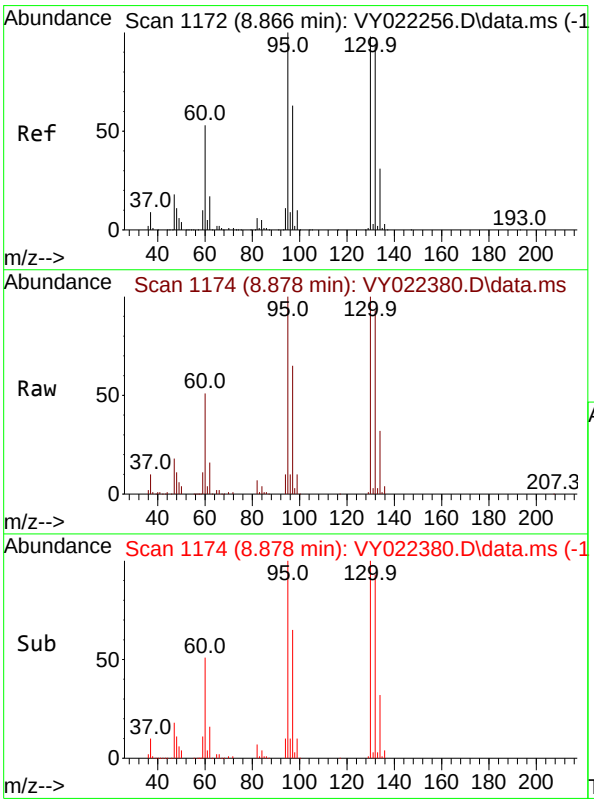
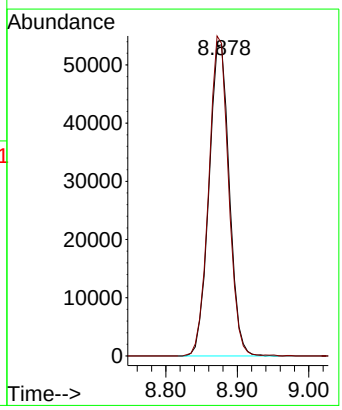


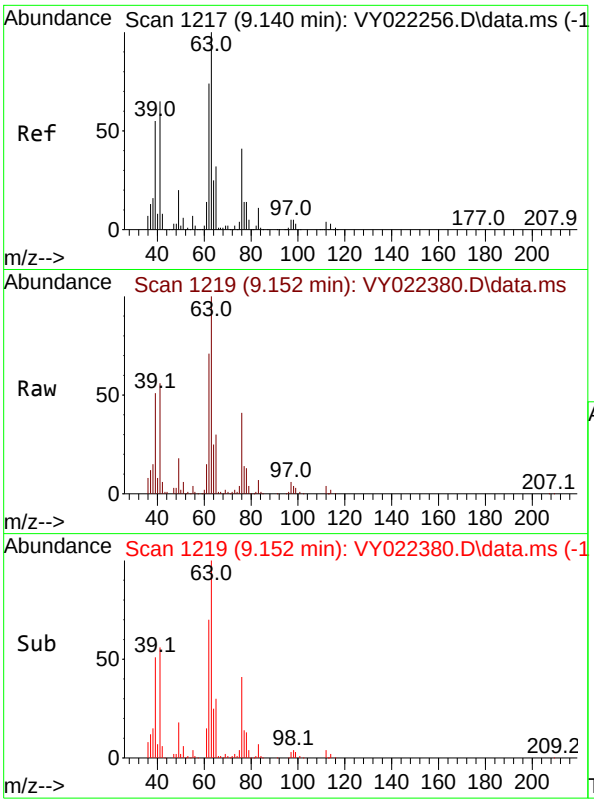


#44
Trichloroethene
Concen: 53.190 ug/l
RT: 8.878 min Scan# 1174
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:130 Resp: 105676

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	204.8





#45
1,2-Dichloropropane
Concen: 51.460 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 63 Resp: 9913

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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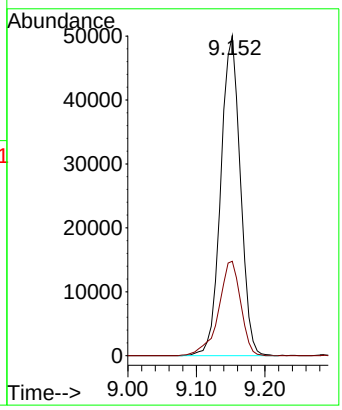
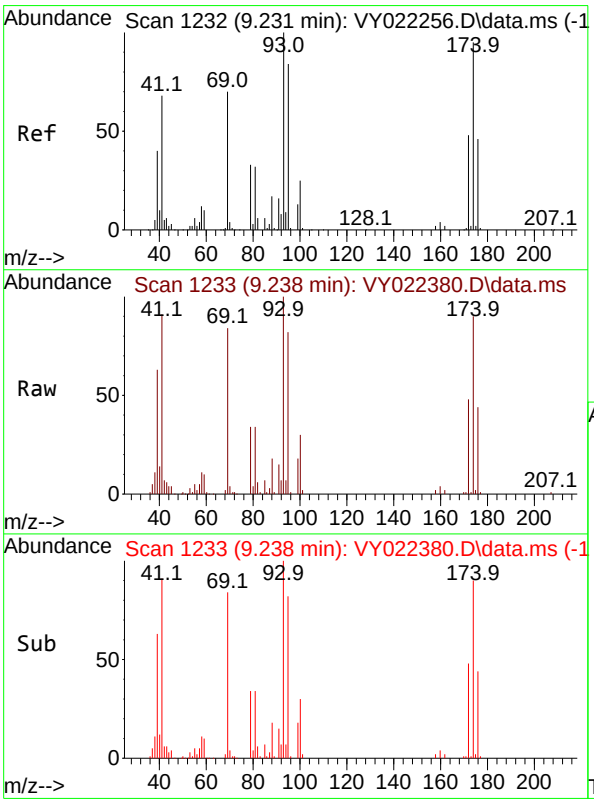
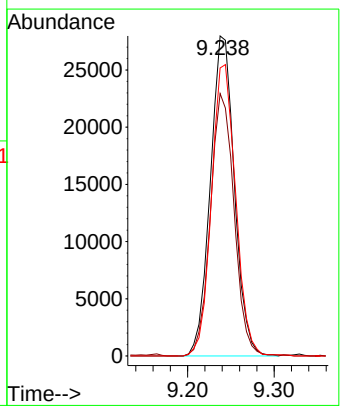


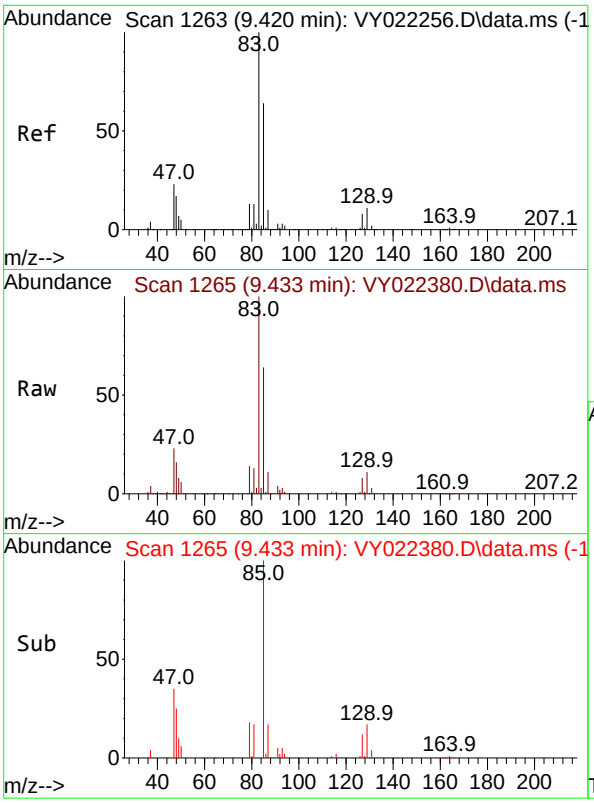


#46
Dibromomethane
Concen: 51.917 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 93 Resp: 53943

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.2	97.8
174	91.5	74.3	111.5

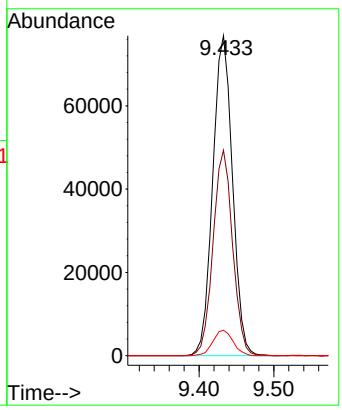




#47
Bromodichloromethane
Concen: 52.278 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 83 Resp: 14091

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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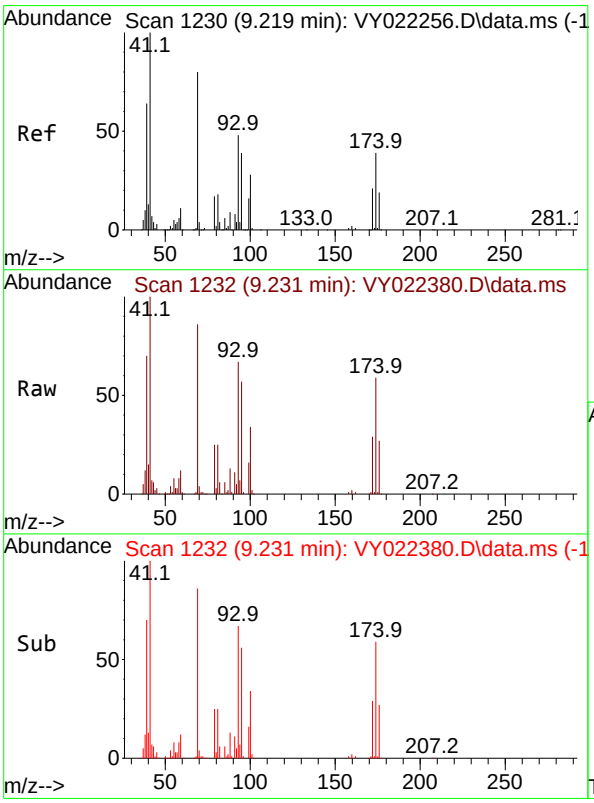
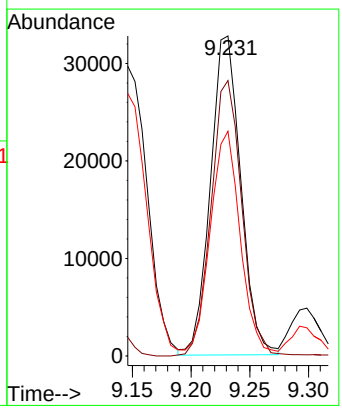
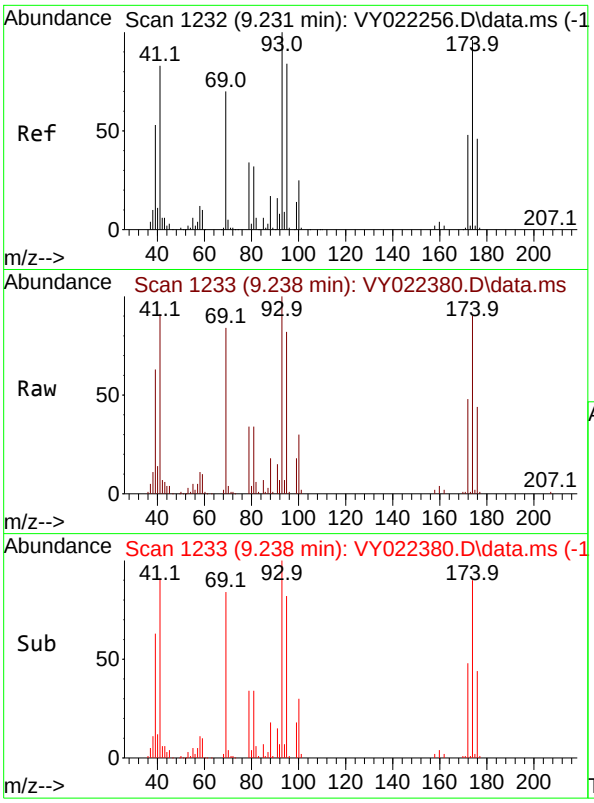


#48
Methyl methacrylate
Concen: 44.496 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 41 Resp: 58854

Ion	Ratio	Lower	Upper
41	100		
69	87.6	63.5	95.3
39	66.6	50.8	76.2





#49
1,4-Dioxane
Concen: 994.901 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 88 Resp: 1167

Ion	Ratio	Lower	Upper
88	100		
43	29.9	28.5	42.7
58	65.5	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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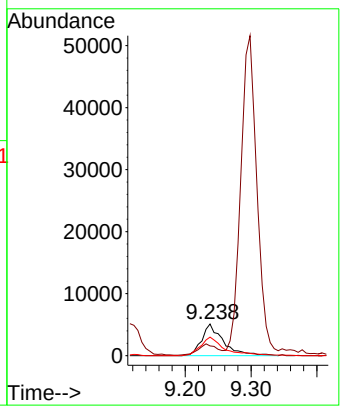
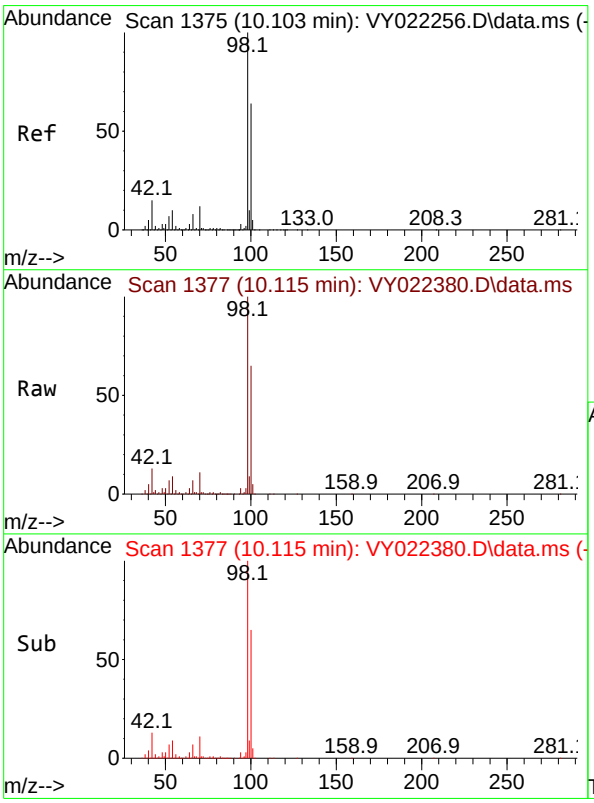
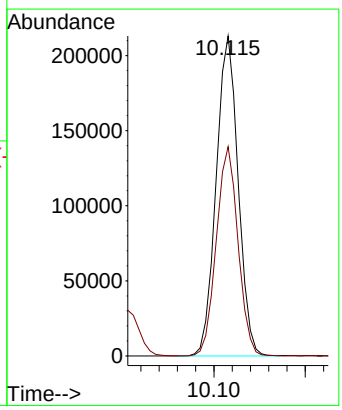


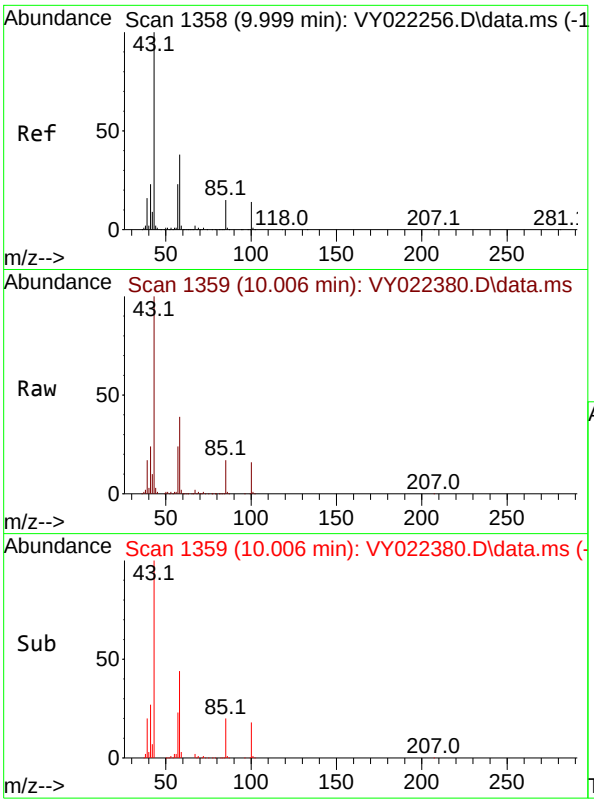


#50
Toluene-d8
Concen: 53.110 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 98 Resp: 355941

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

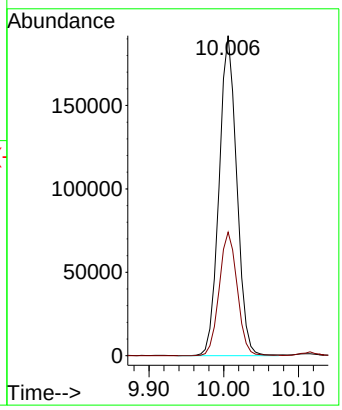




#51
4-Methyl-2-Pentanone
Concen: 227.107 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 31517

Ion	Ratio	Lower	Upper
43	100		
58	39.3	29.4	44.2



Instrument :
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ClientSampleId :
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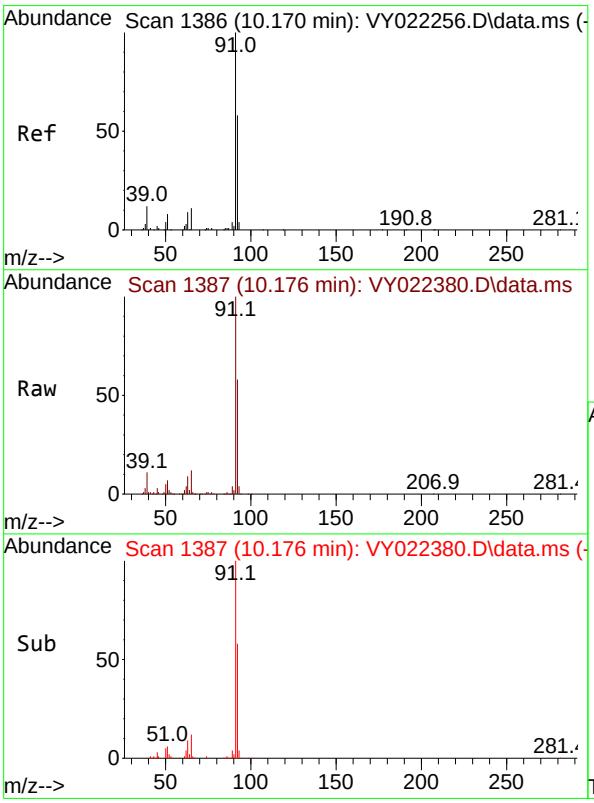
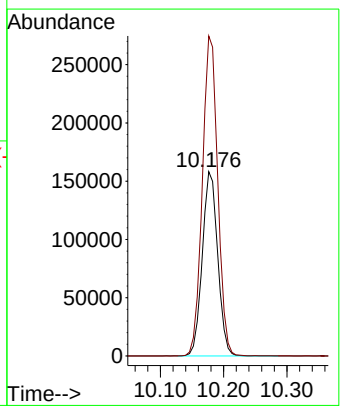
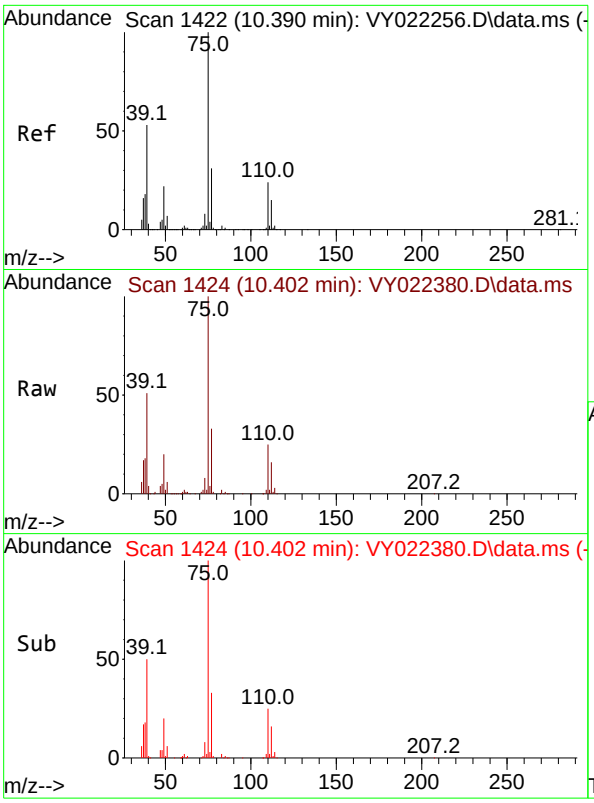


#52
Toluene
Concen: 53.002 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 92 Resp: 268178

Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.1	208.7





#53
t-1,3-Dichloropropene
Concen: 49.816 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 75 Resp: 13104

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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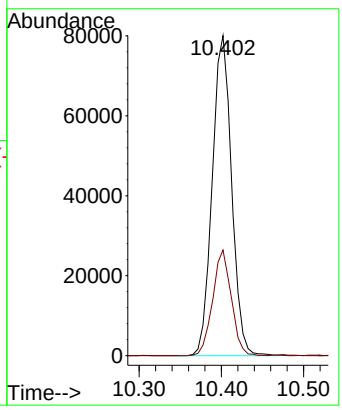
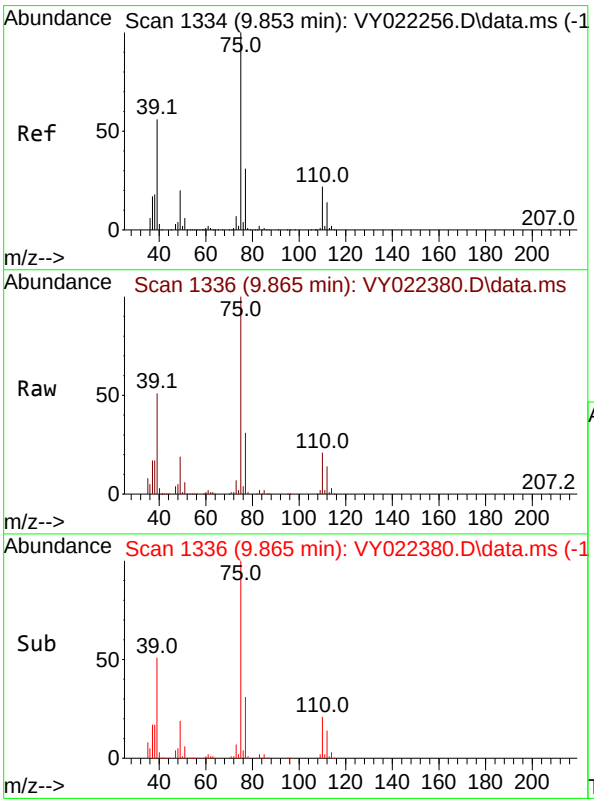
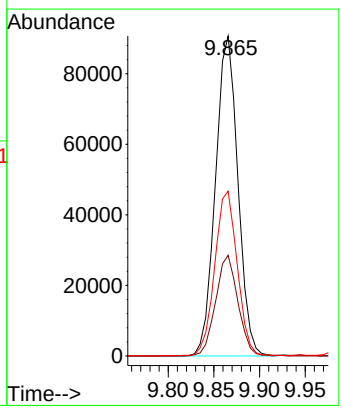


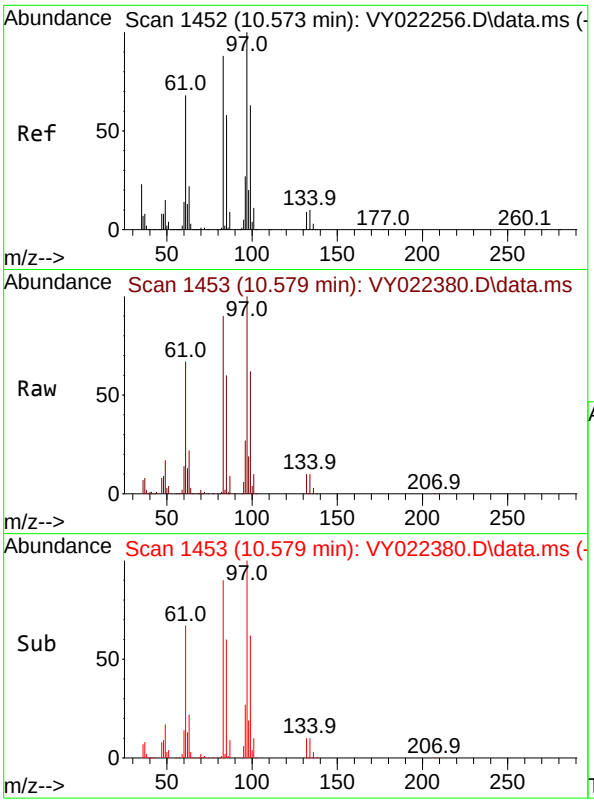


#54
cis-1,3-Dichloropropene
Concen: 51.367 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 75 Resp: 154811

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	51.4	44.5	66.7

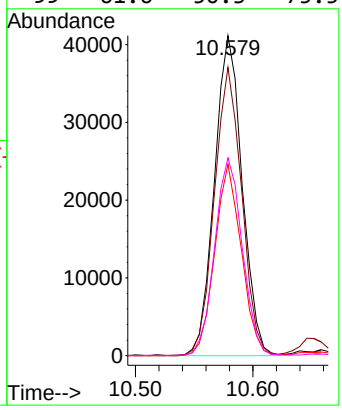




#55
1,1,2-Trichloroethane
Concen: 50.711 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 97 Resp: 6747

Ion	Ratio	Lower	Upper
97	100		
83	89.9	70.3	105.5
85	59.8	46.2	69.4
99	61.6	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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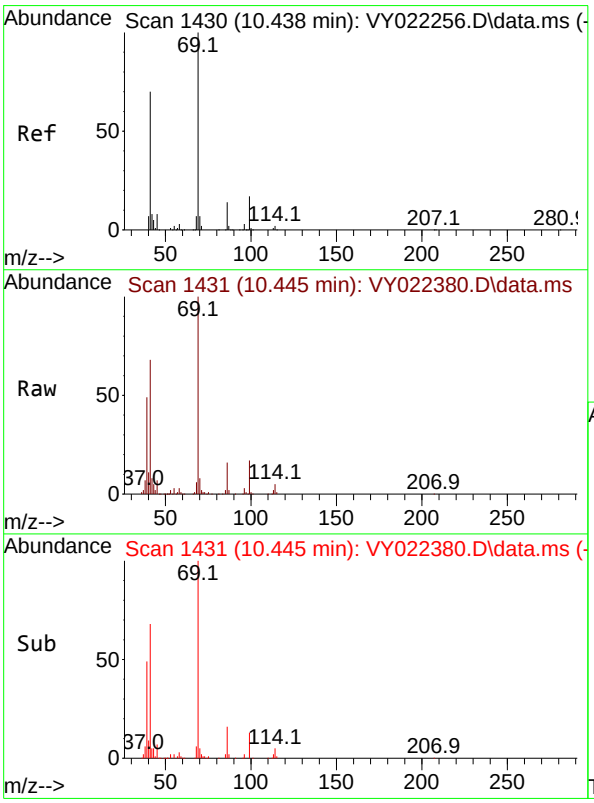
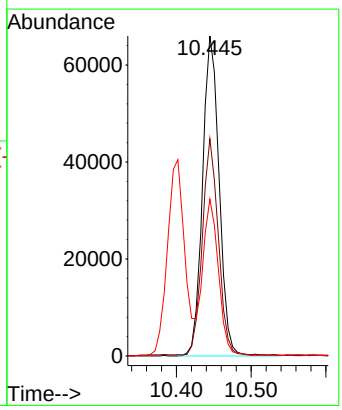
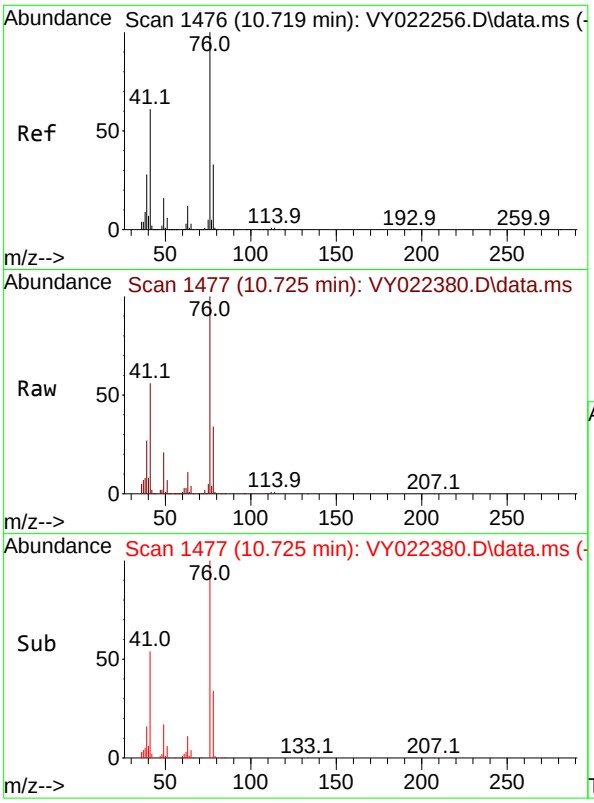


#56
Ethyl methacrylate
Concen: 49.163 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 69 Resp: 101892

Ion	Ratio	Lower	Upper
69	100		
41	64.9	56.5	84.7
39	45.1	37.1	55.7





#57
1,3-Dichloropropane
Concen: 51.386 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 76 Resp: 12147

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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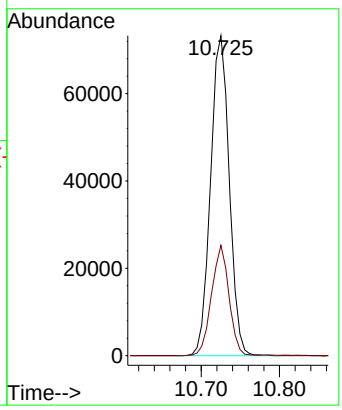
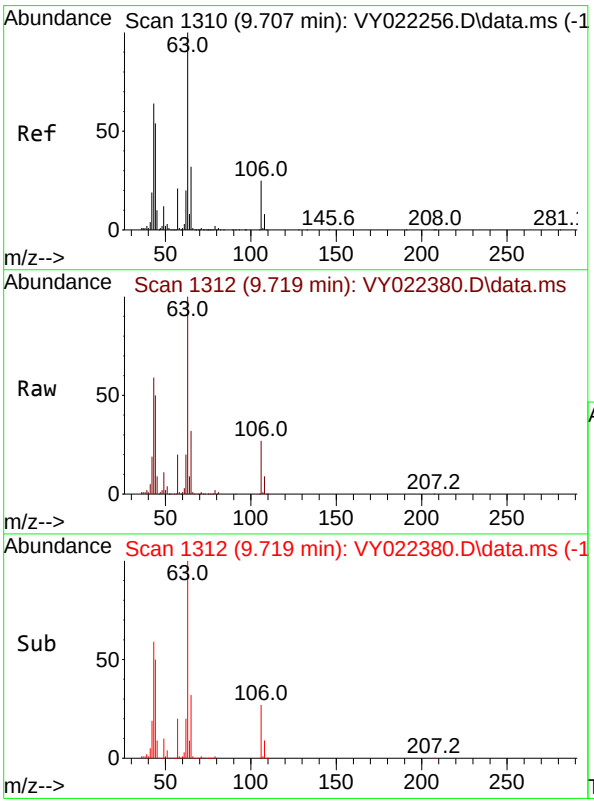
Supervised By :Mahesh Dadoda 05/23/2025

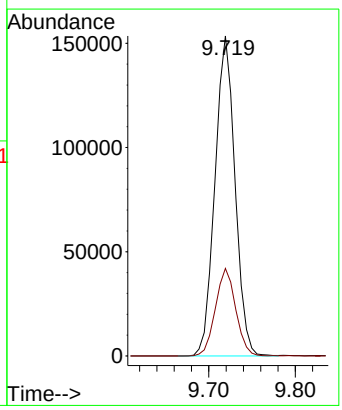


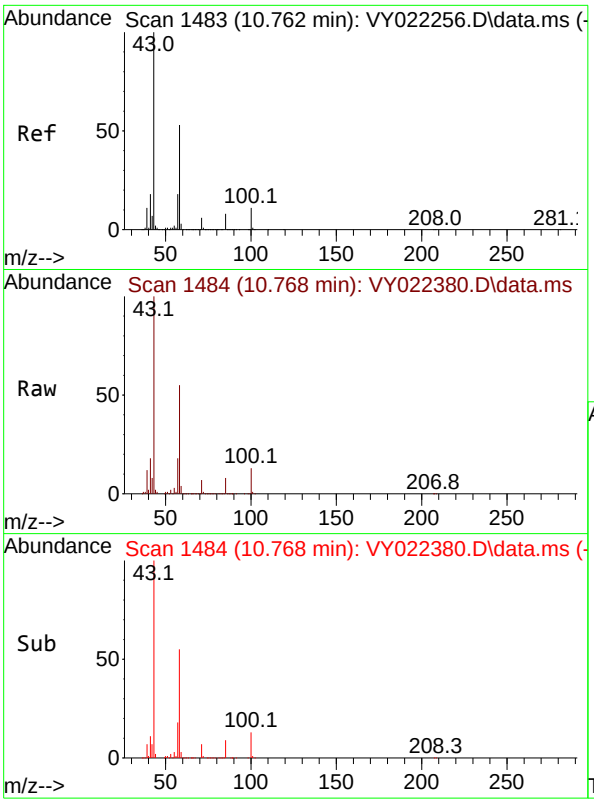


#58
2-Chloroethyl Vinyl ether
Concen: 265.693 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 63 Resp: 247160

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.0	31.4





#59
2-Hexanone
Concen: 222.384 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 20692

Ion	Ratio	Lower	Upper
43	100		
58	55.5	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
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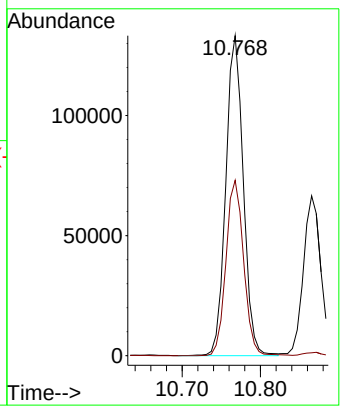
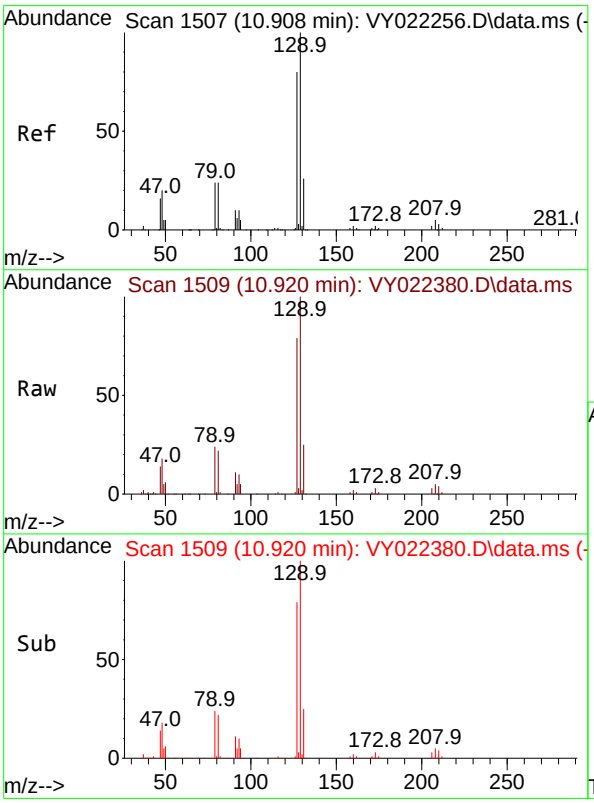
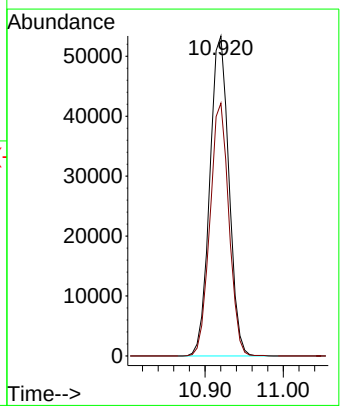


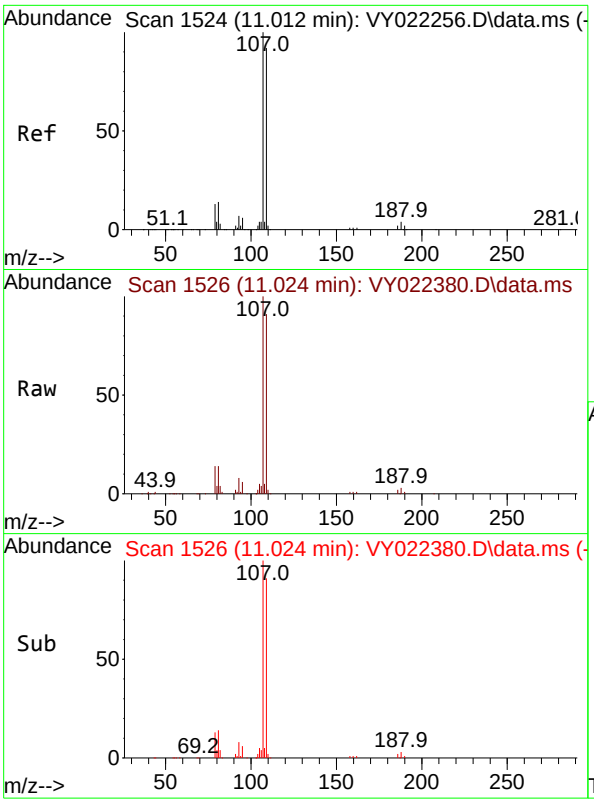


#60
Dibromochloromethane
Concen: 52.423 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:129 Resp: 90531

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.7

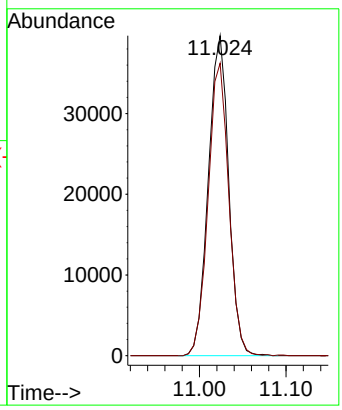




#61
1,2-Dibromoethane
Concen: 52.166 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:107 Resp: 6469

Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.6	111.8



Instrument :
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ClientSampleId :
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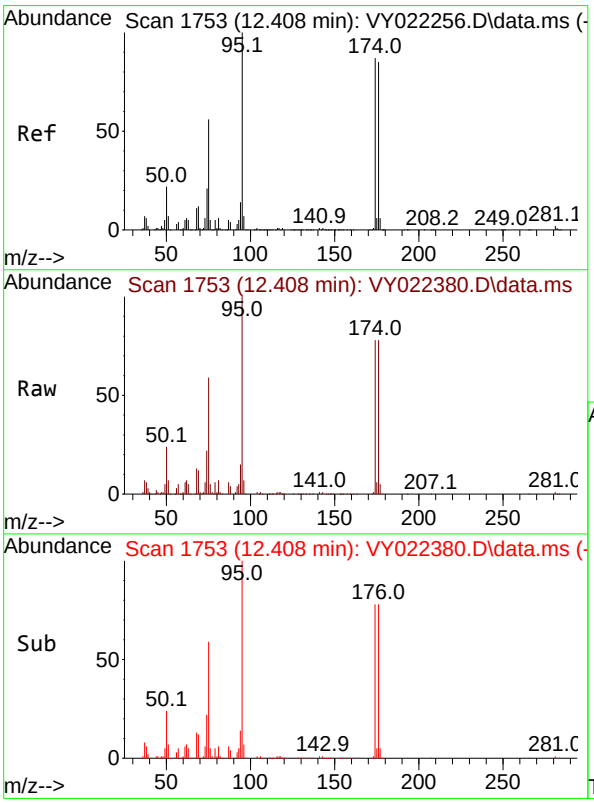
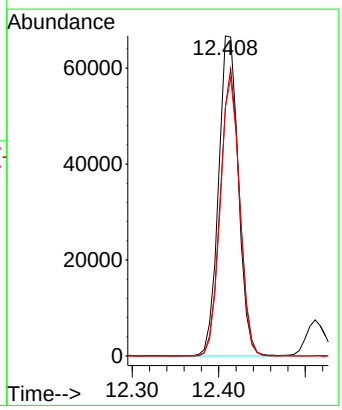
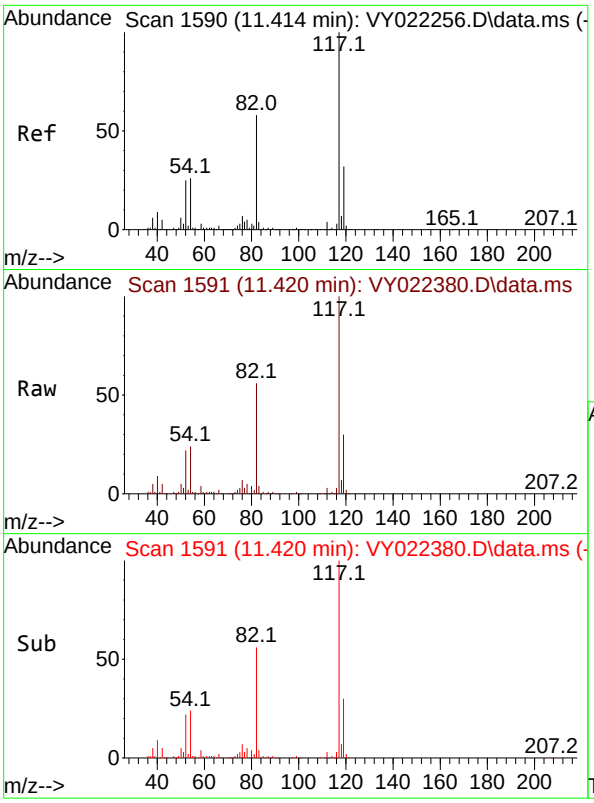


#62
4-Bromofluorobenzene
Concen: 49.898 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 95 Resp: 105997

Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	166.8
176	84.6	0.0	160.8

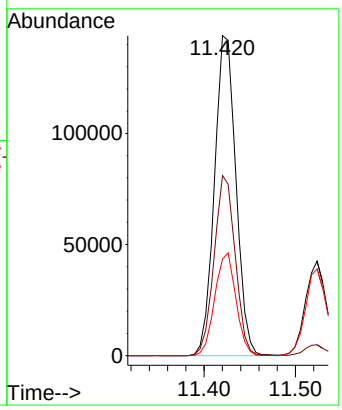




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:117 Resp: 23523

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.6	70.0
119	30.2	25.8	38.6



Instrument :
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ClientSampleId :
VSTDCCC050

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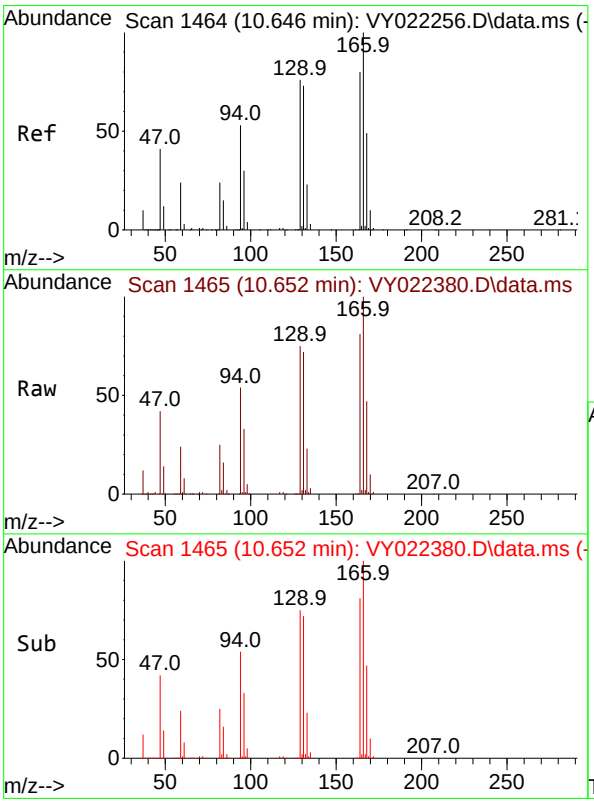
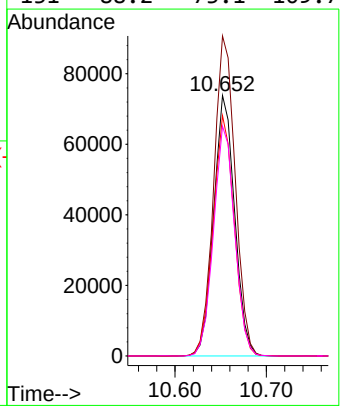
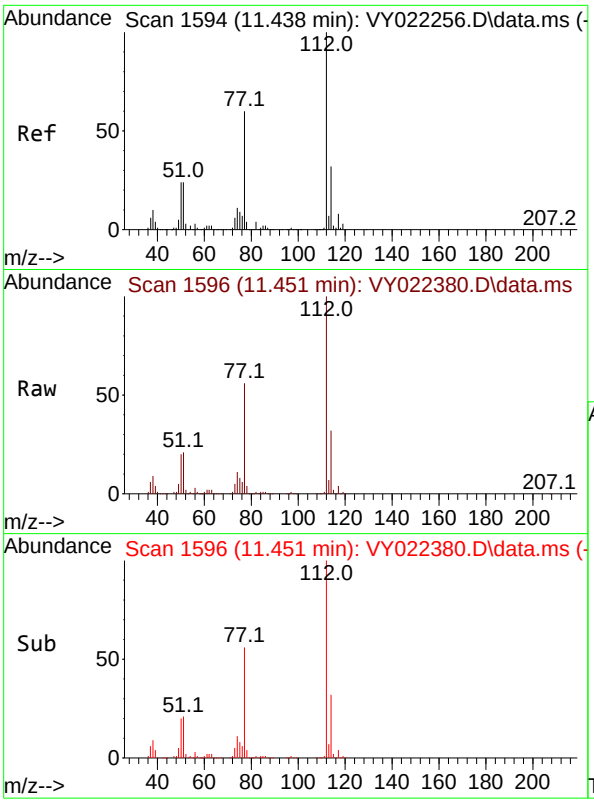


#64
Tetrachloroethene
Concen: 54.305 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:164 Resp: 118077

Ion	Ratio	Lower	Upper
164	100		
166	122.8	100.4	150.6
129	92.2	76.4	114.6
131	88.2	73.1	109.7





#65
Chlorobenzene
Concen: 52.931 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:112 Resp: 28091

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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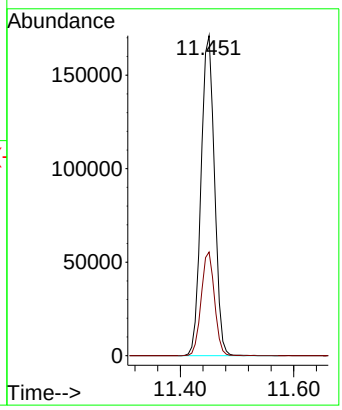
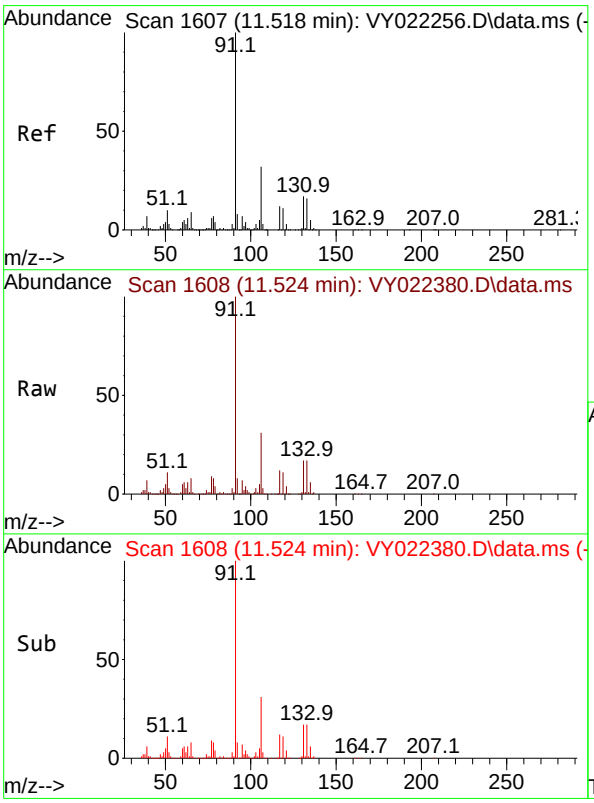
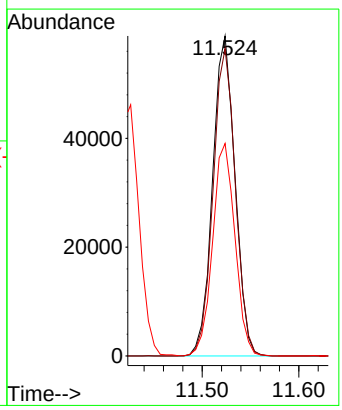


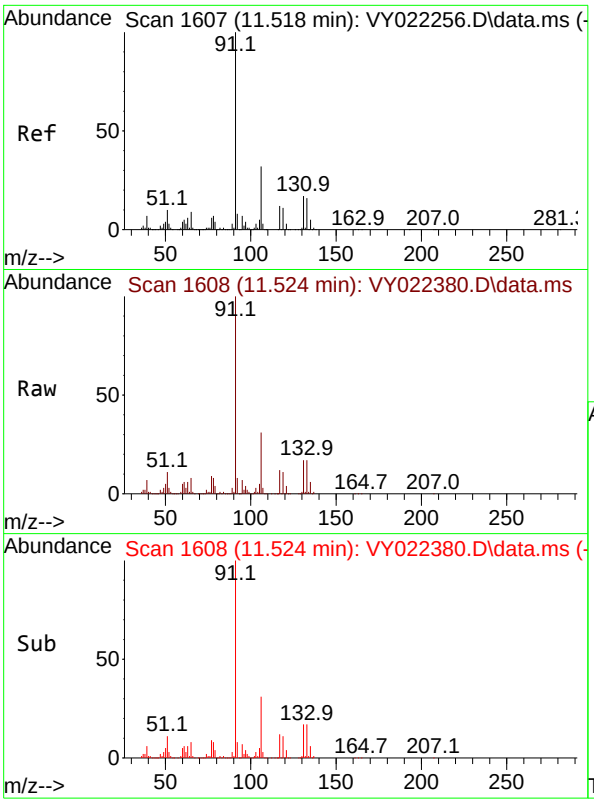


#66
1,1,1,2-Tetrachloroethane
Concen: 51.774 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:131 Resp: 94462

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	66.4	33.1	99.2

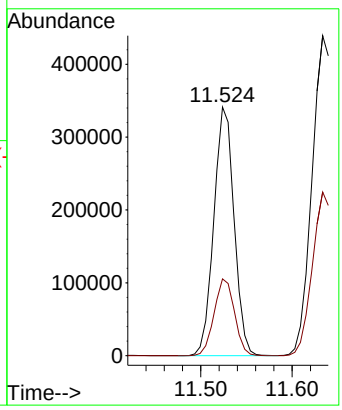




#67
Ethyl Benzene
Concen: 52.876 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 91 Resp: 52555

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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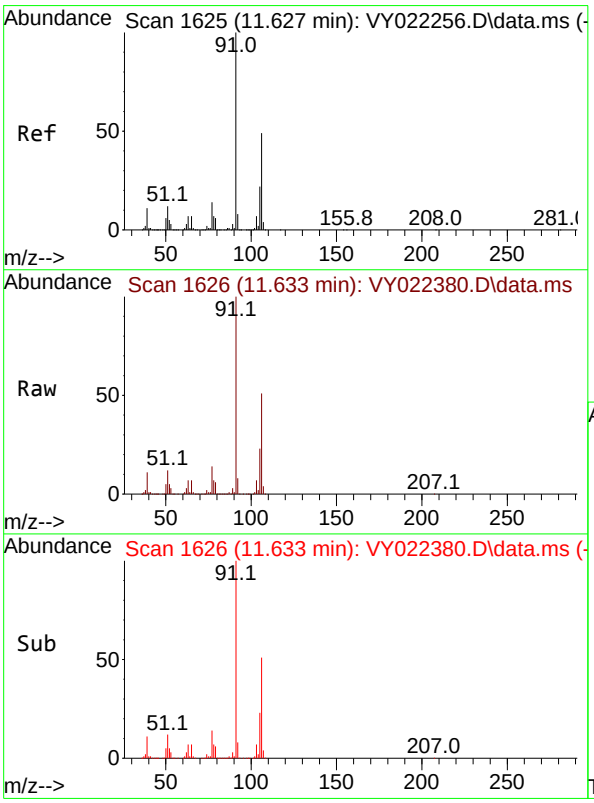
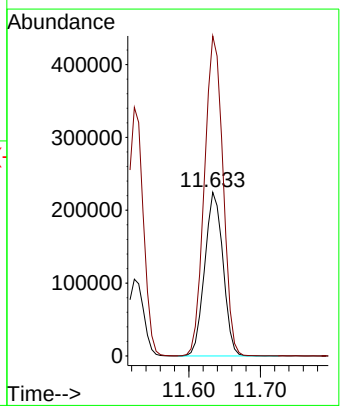
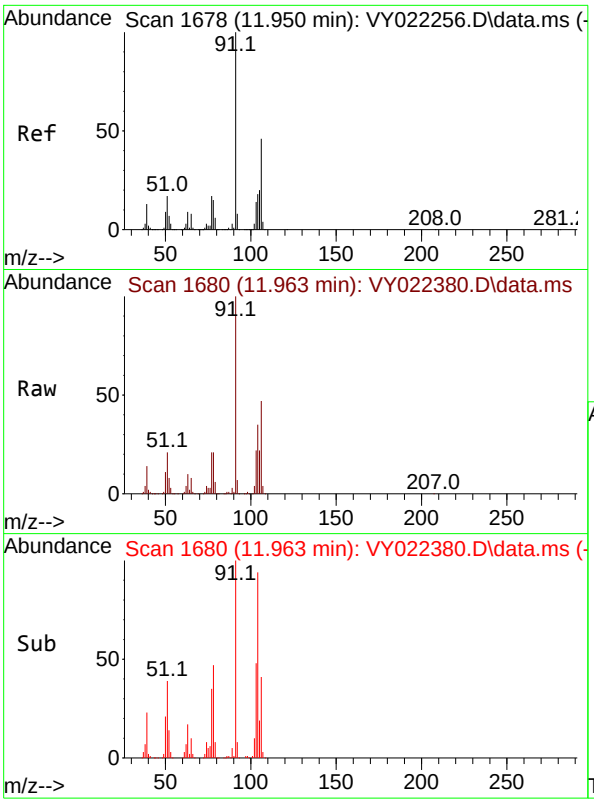


#68
m/p-Xylenes
Concen: 106.617 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:106 Resp: 399310

Ion	Ratio	Lower	Upper
106	100		
91	198.2	163.0	244.4

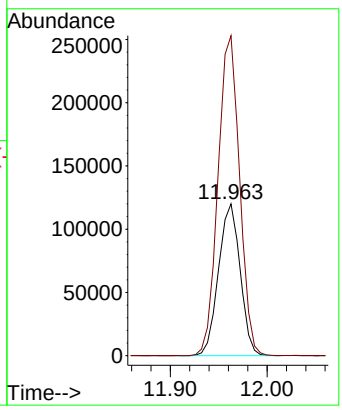




#69
o-Xylene
Concen: 52.518 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:106 Resp: 18609

Ion	Ratio	Lower	Upper
106	100		
91	210.9	108.3	324.8



Instrument :
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ClientSampleId :
VSTDCCC050

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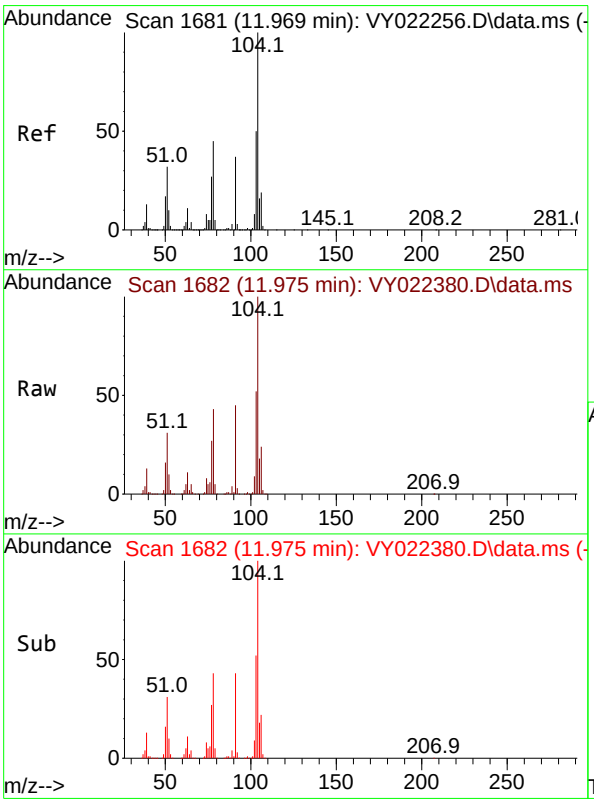
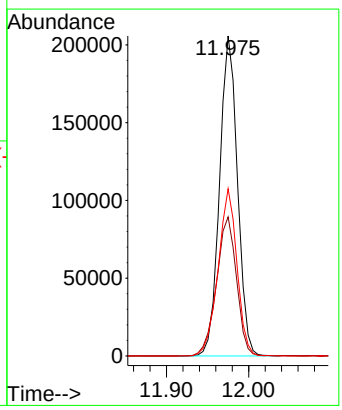
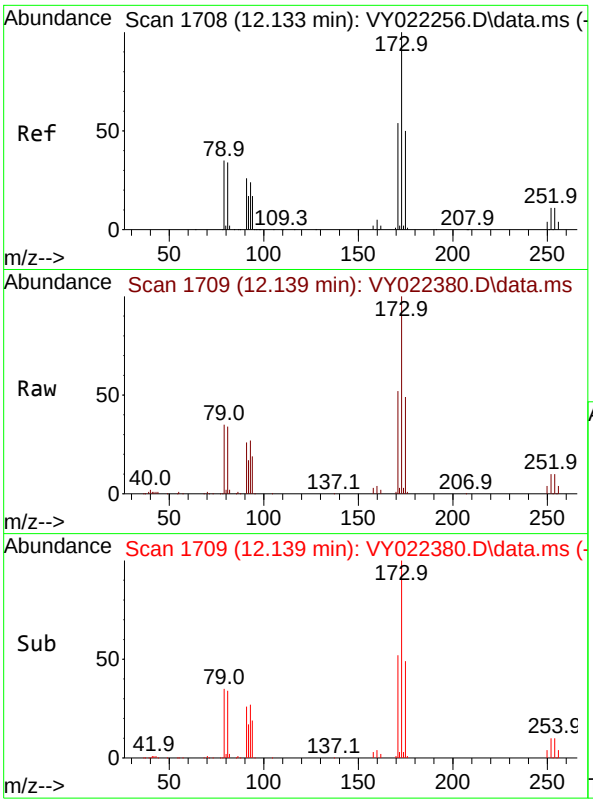


#70
Styrene
Concen: 52.163 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:104 Resp: 311800

Ion	Ratio	Lower	Upper
104	100		
78	48.4	40.9	61.3
103	55.0	43.7	65.5

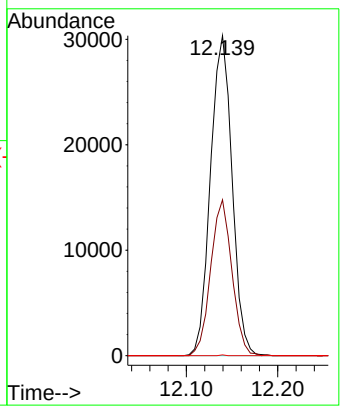




#71
Bromoform
Concen: 50.521 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:173 Resp: 4975

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.7	74.1
254	0.1	0.0	0.0



Instrument :
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ClientSampleId :
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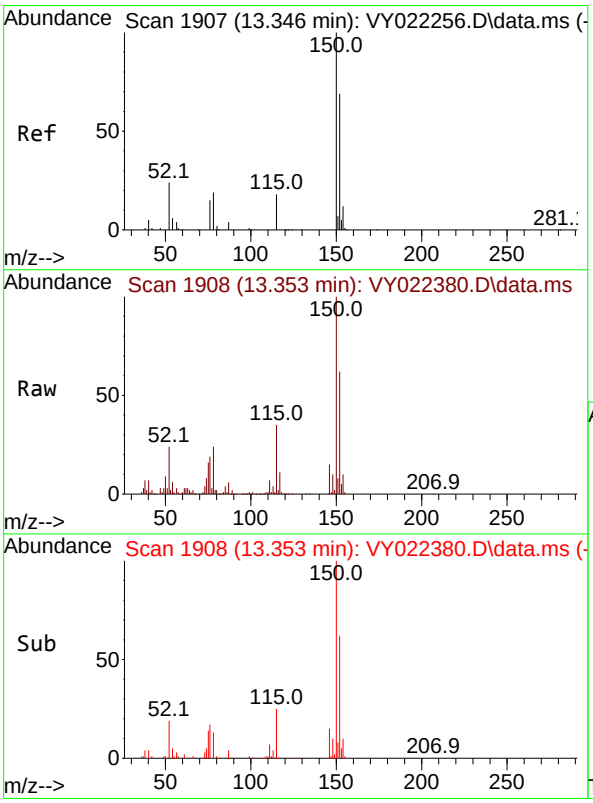
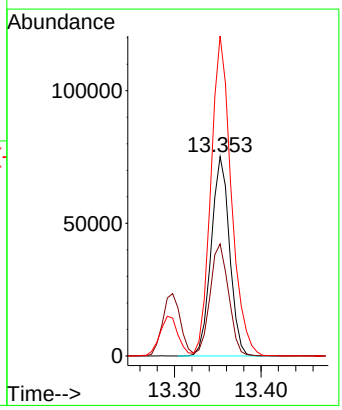
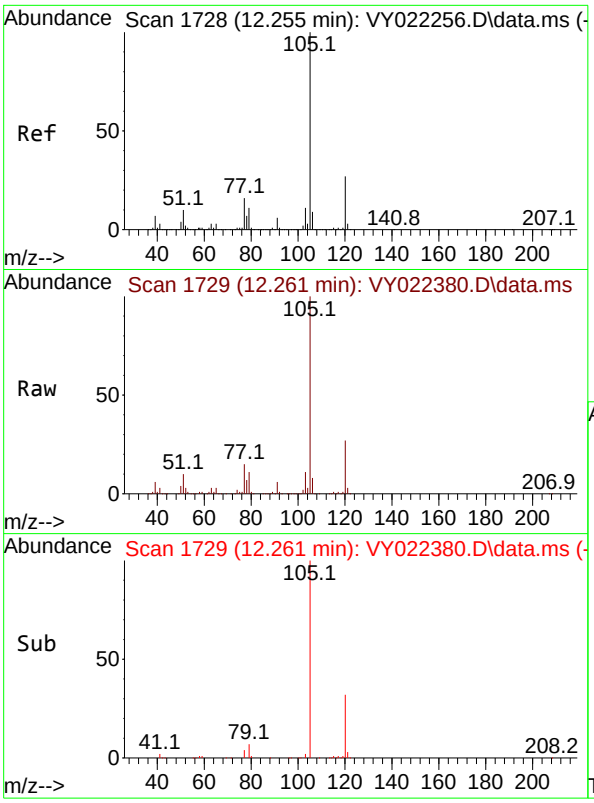


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:152 Resp: 110586

Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.4	88.2
150	177.7	0.0	353.8

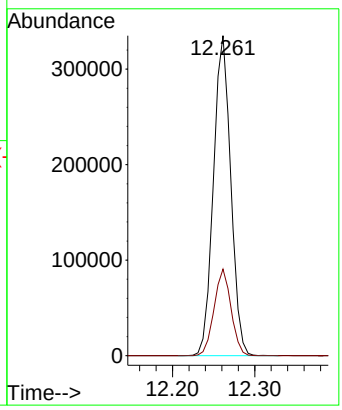




#73
Isopropylbenzene
Concen: 53.502 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:105 Resp: 49016

Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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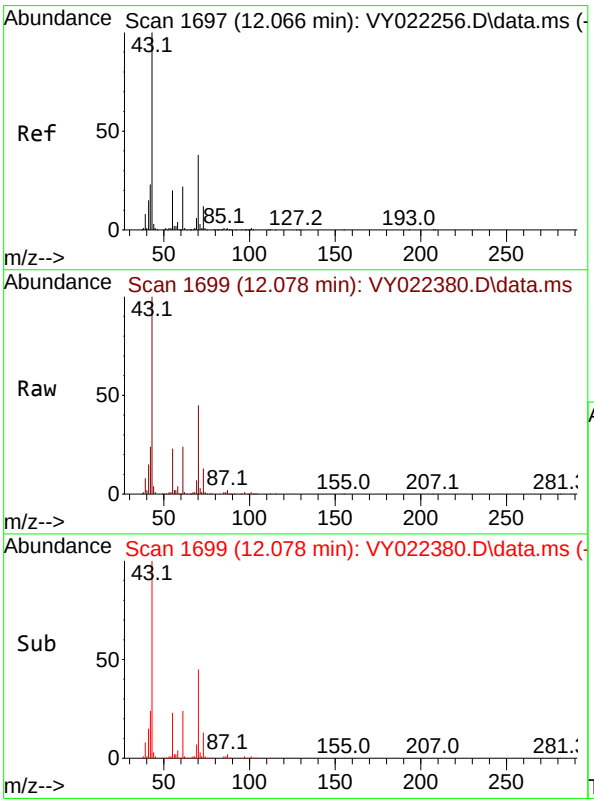
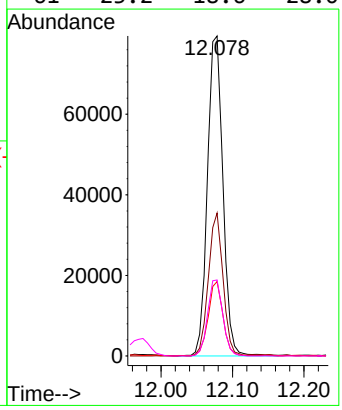
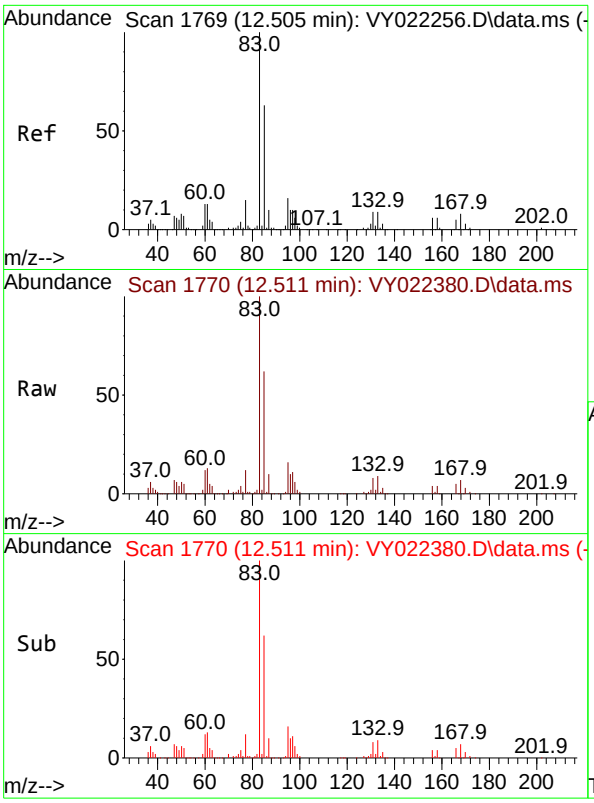


#74
N-amyl acetate
Concen: 45.682 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 43 Resp: 119696

Ion	Ratio	Lower	Upper
43	100		
70	42.2	31.4	47.0
55	22.3	17.0	25.6
61	23.2	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 51.561 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 83 Resp: 7264

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	63.4	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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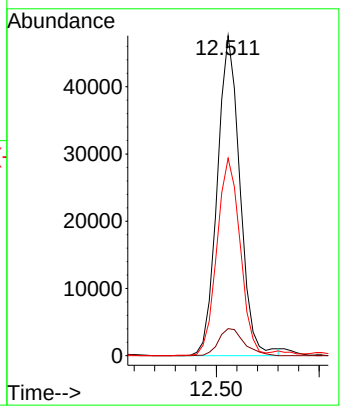
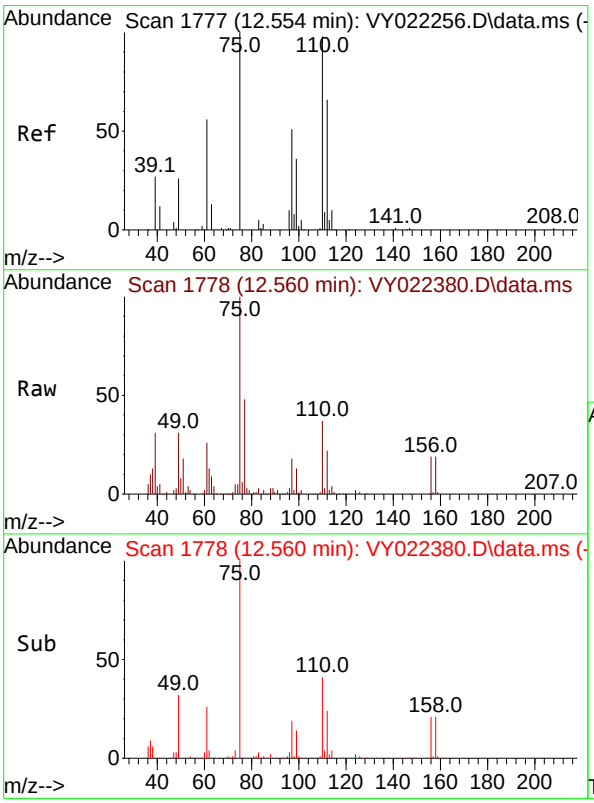
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

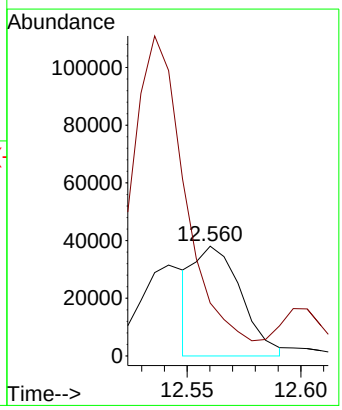


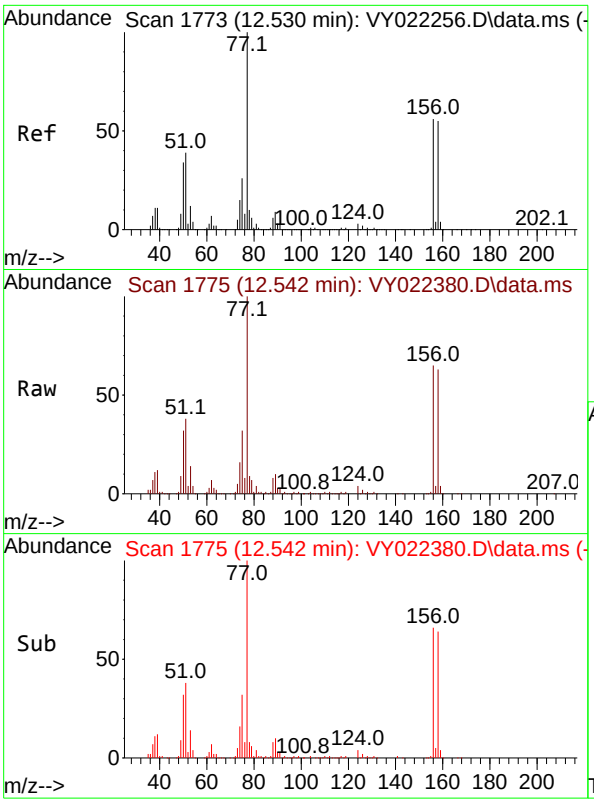


#76
1,2,3-Trichloropropane
Concen: 49.223 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 75 Resp: 55147

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

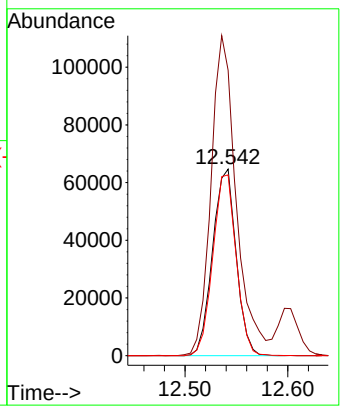




#77
Bromobenzene
Concen: 52.574 ug/l
RT: 12.542 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:156 Resp: 10287

Ion	Ratio	Lower	Upper
156	100		
77	183.0	94.5	283.6
158	96.4	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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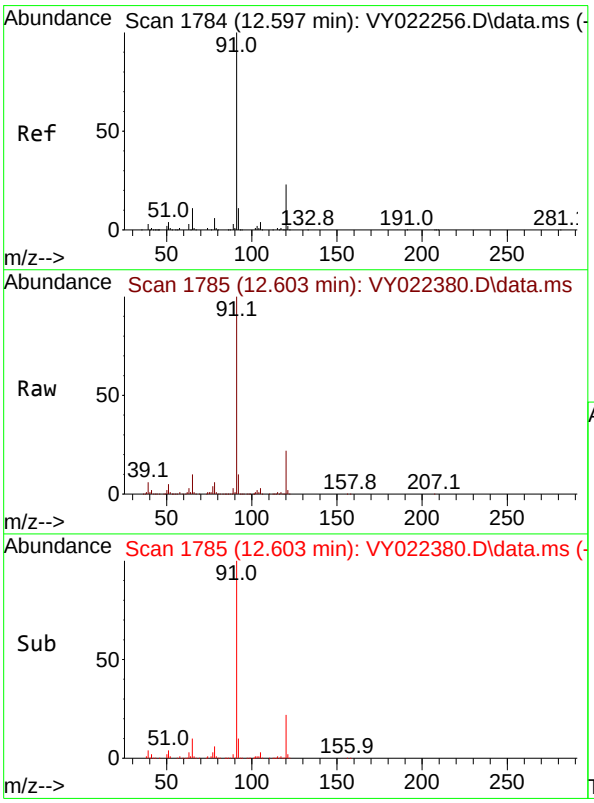
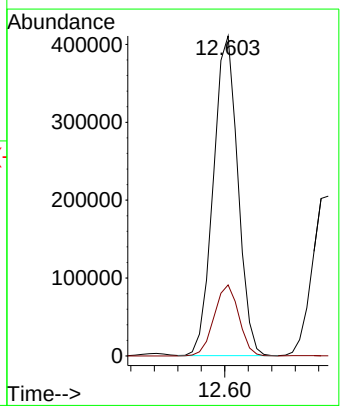
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

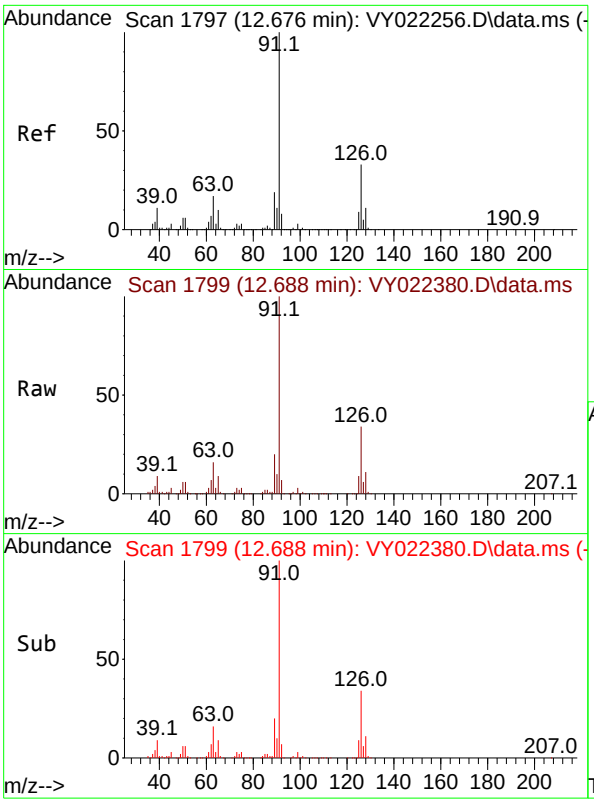


#78
n-propylbenzene
Concen: 53.885 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 91 Resp: 595455

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3

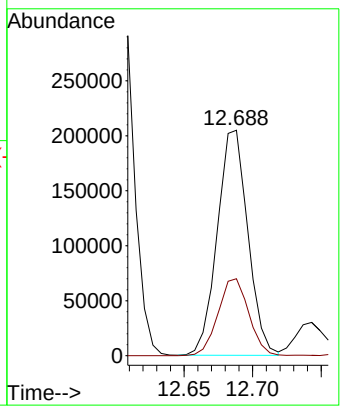




#79
2-Chlorotoluene
Concen: 52.461 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 91 Resp: 31857

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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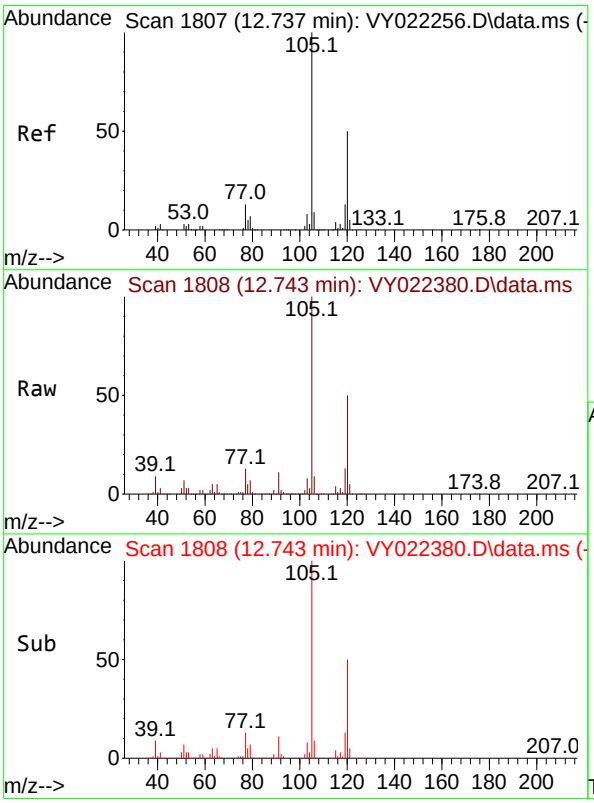
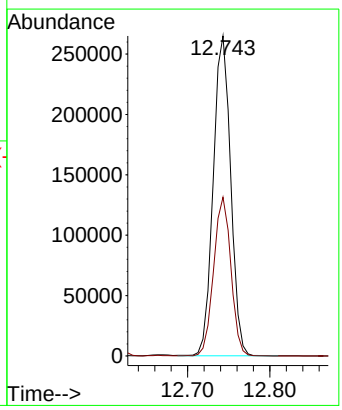
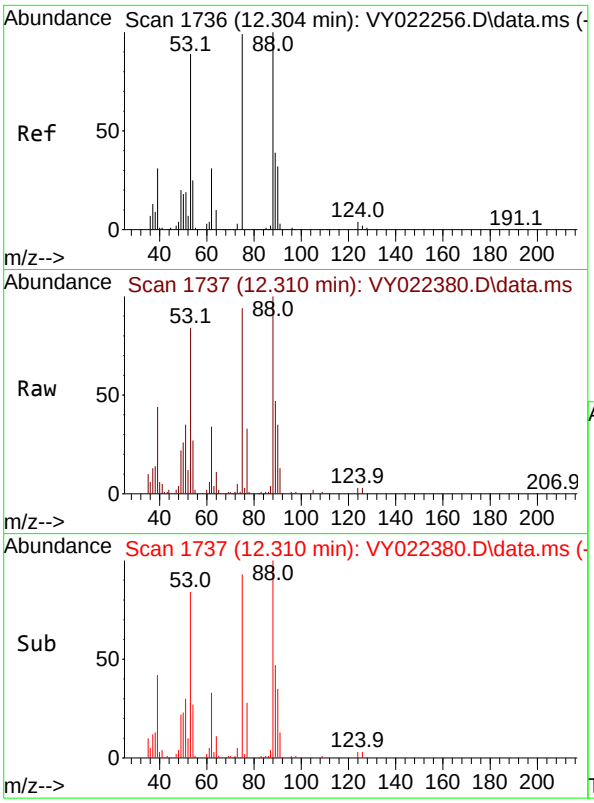


#80
1,3,5-Trimethylbenzene
Concen: 52.837 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:105 Resp: 390755

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 46.827 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 75 Resp: 2589

Ion	Ratio	Lower	Upper
75	100		
53	90.0	75.8	113.8
89	46.4	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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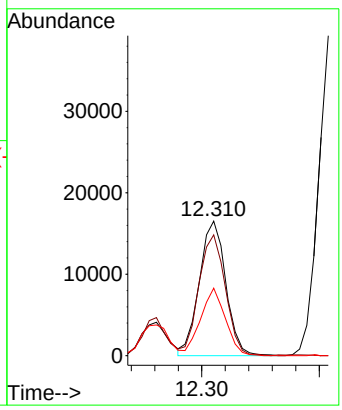
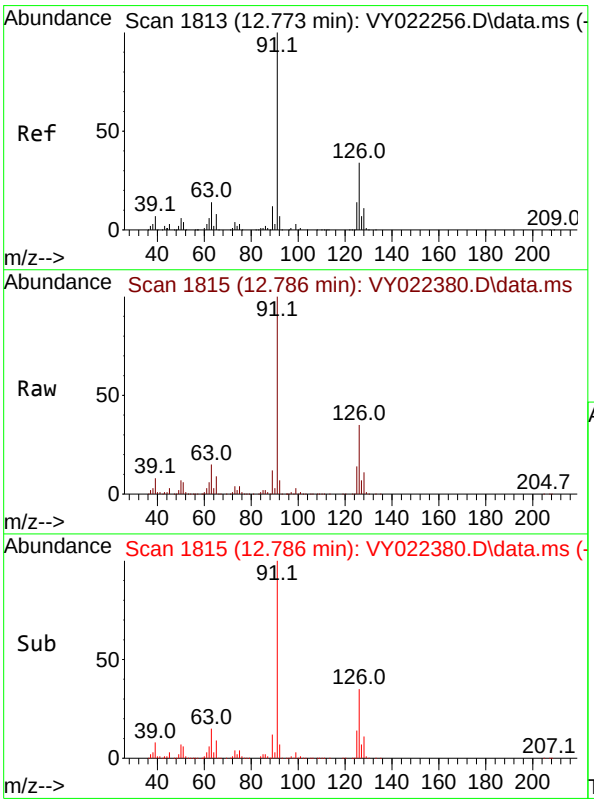
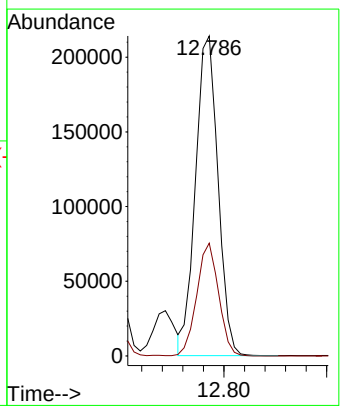


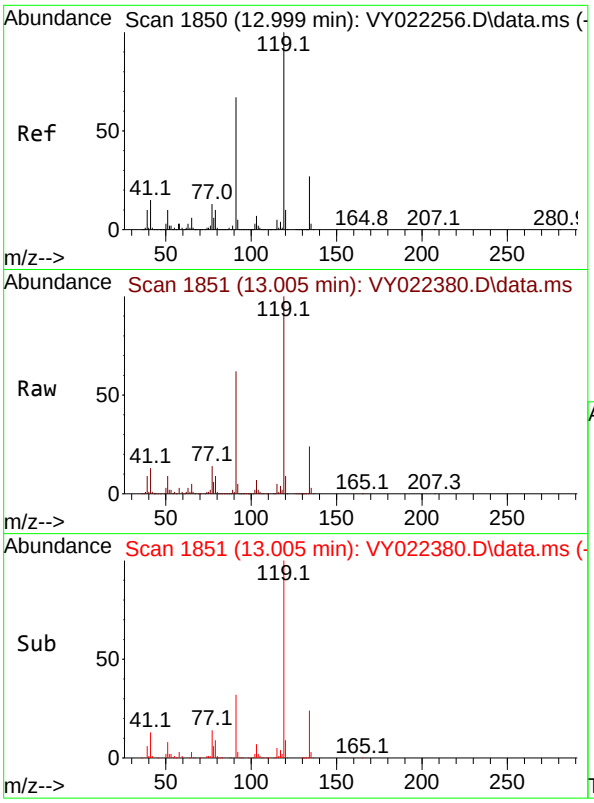


#82
4-Chlorotoluene
Concen: 52.070 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.012 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 91 Resp: 325243

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.8	50.4





#83
tert-Butylbenzene
Concen: 53.844 ug/l
RT: 13.005 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:119 Resp: 35392

Ion	Ratio	Lower	Upper
119	100		
91	63.2	32.8	98.3
134	25.5	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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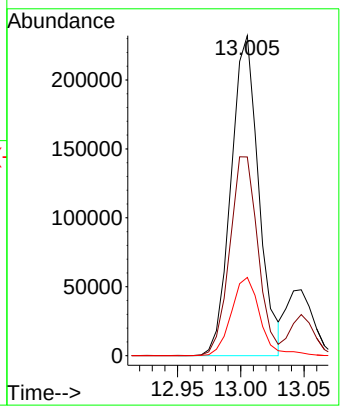
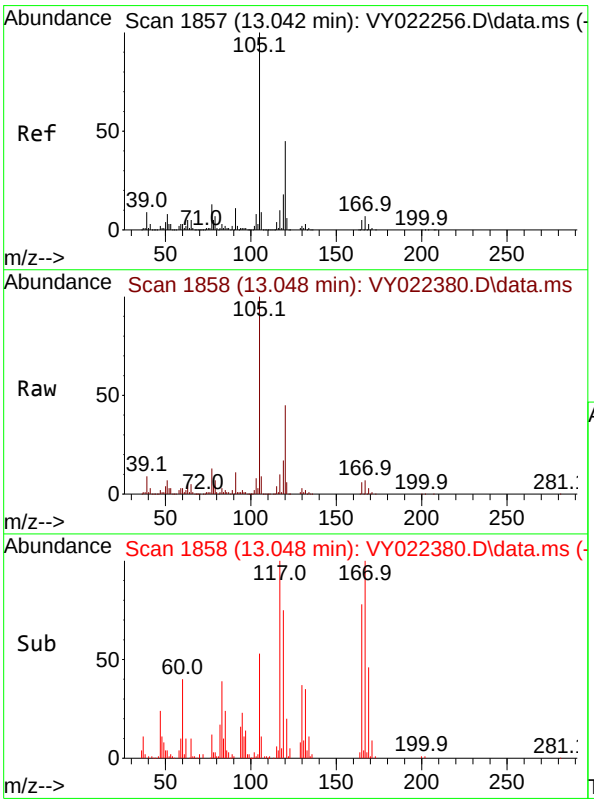
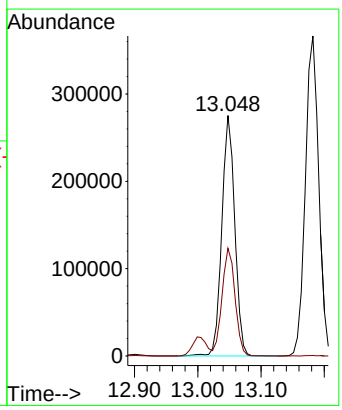


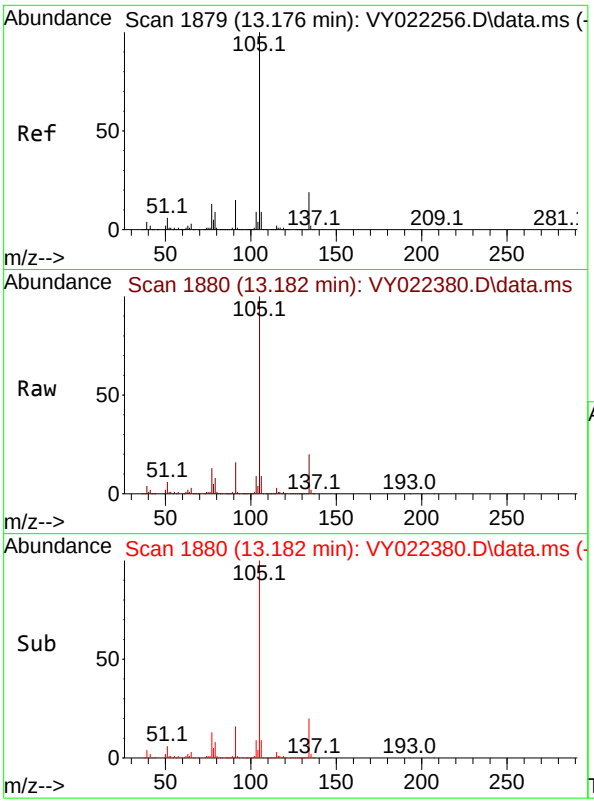


#84
1,2,4-Trimethylbenzene
Concen: 53.109 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:105 Resp: 389894

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.9





#85
sec-Butylbenzene
Concen: 54.800 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:105 Resp: 53470

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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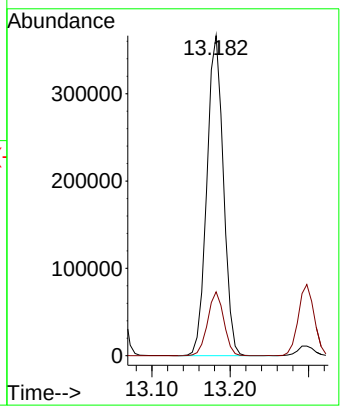
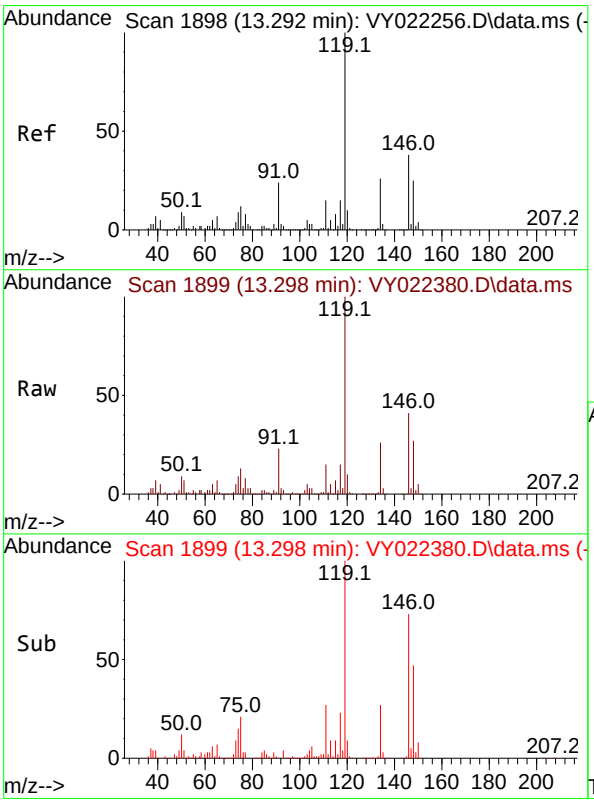
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

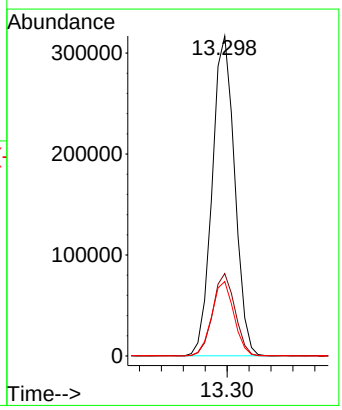


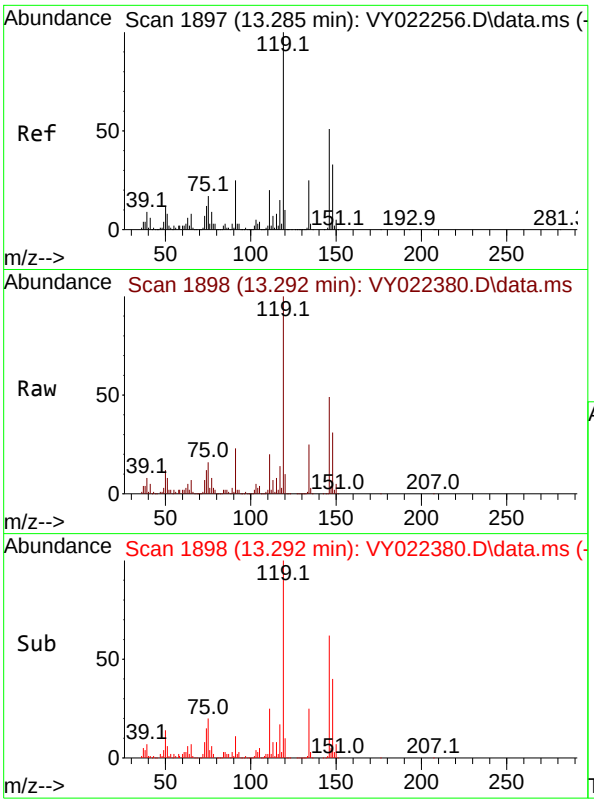


#86
p-Isopropyltoluene
Concen: 54.938 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:119 Resp: 450850

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	22.9	12.1	36.3

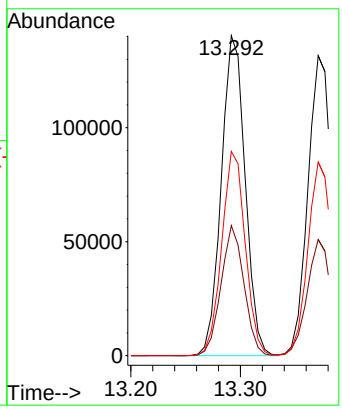




#87
1,3-Dichlorobenzene
Concen: 53.142 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:146 Resp: 21227

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	63.0	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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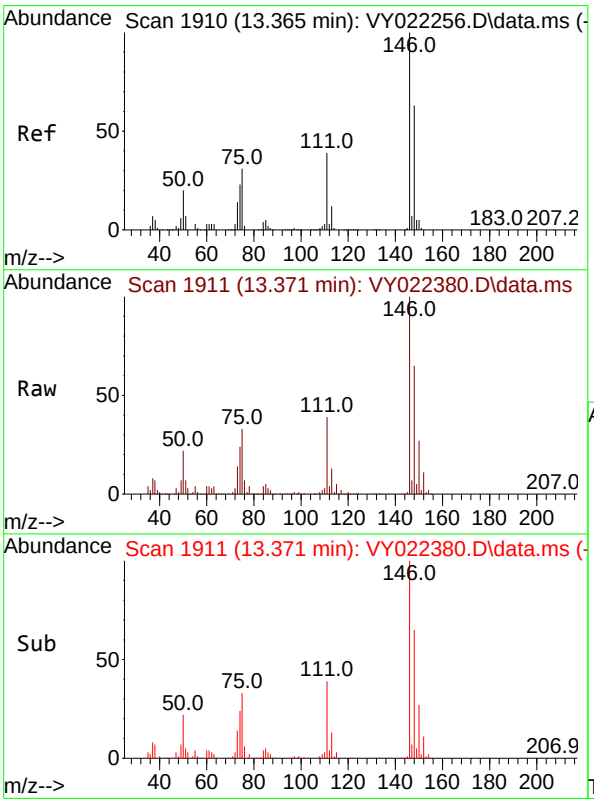
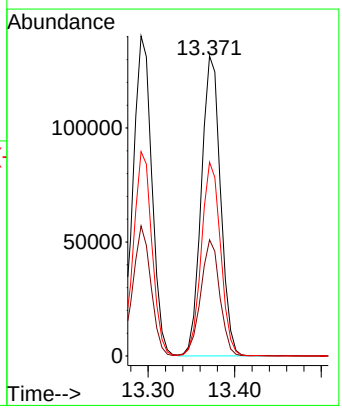
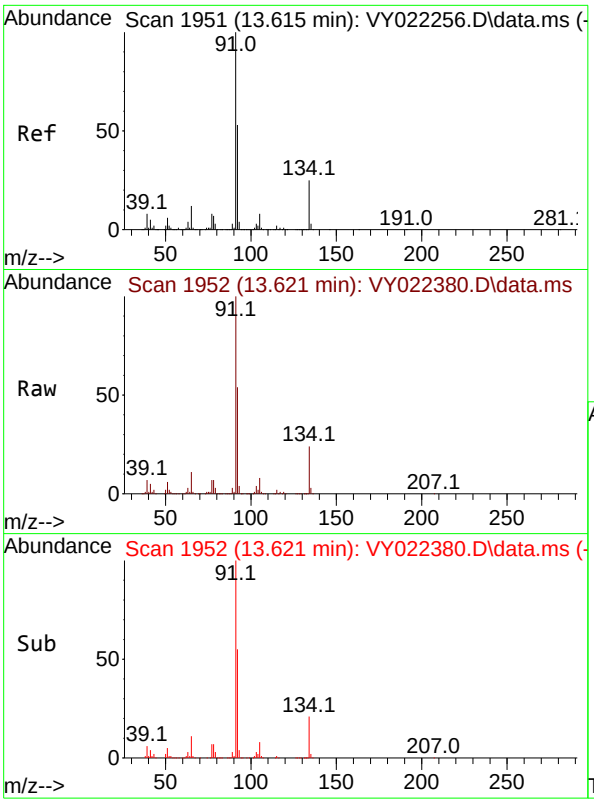


#88
1,4-Dichlorobenzene
Concen: 52.704 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:146 Resp: 202502

Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	59.9
148	64.7	32.1	96.5

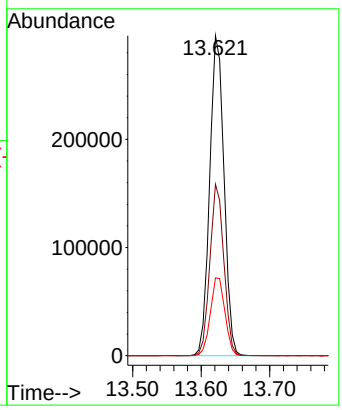




#89
n-Butylbenzene
Concen: 55.365 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 91 Resp: 42984

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	24.8	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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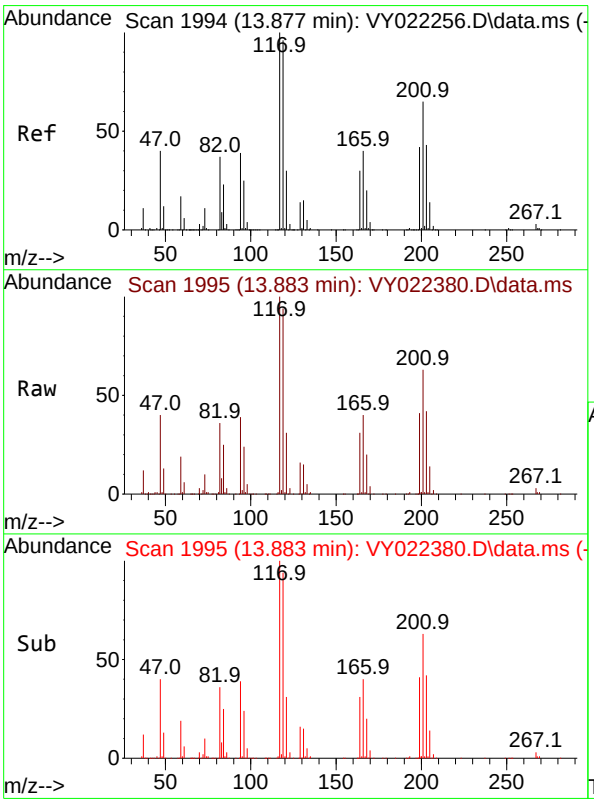
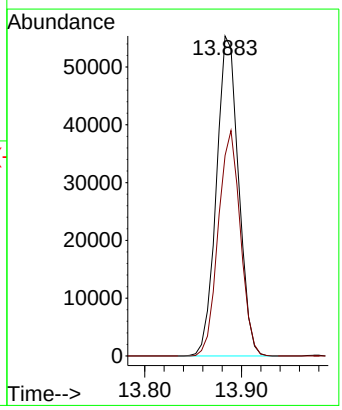
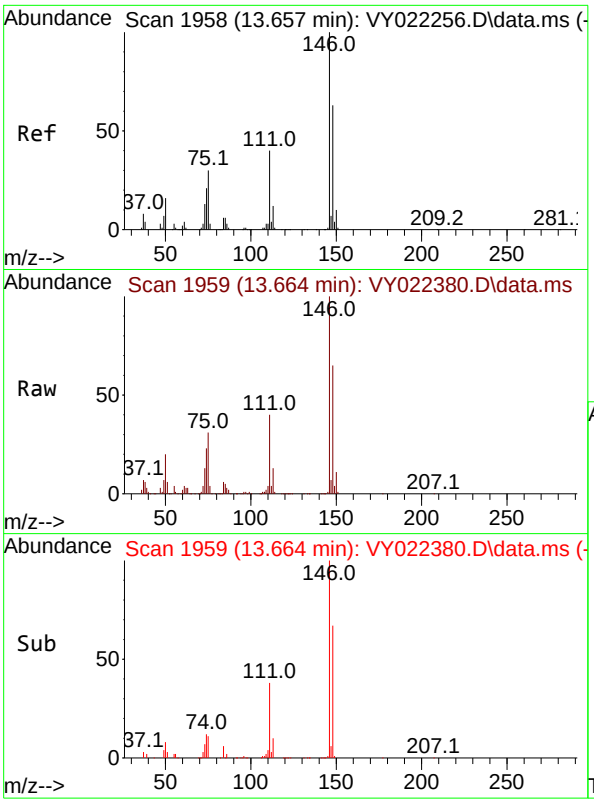


#90
Hexachloroethane
Concen: 53.097 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:117 Resp: 87959

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6

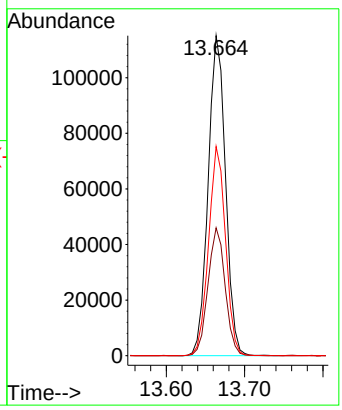




#91
1,2-Dichlorobenzene
Concen: 52.741 ug/l
RT: 13.664 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:146 Resp: 17696

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.5	61.5
148	64.0	32.0	96.0



Instrument :
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ClientSampleId :
VSTDCCC050

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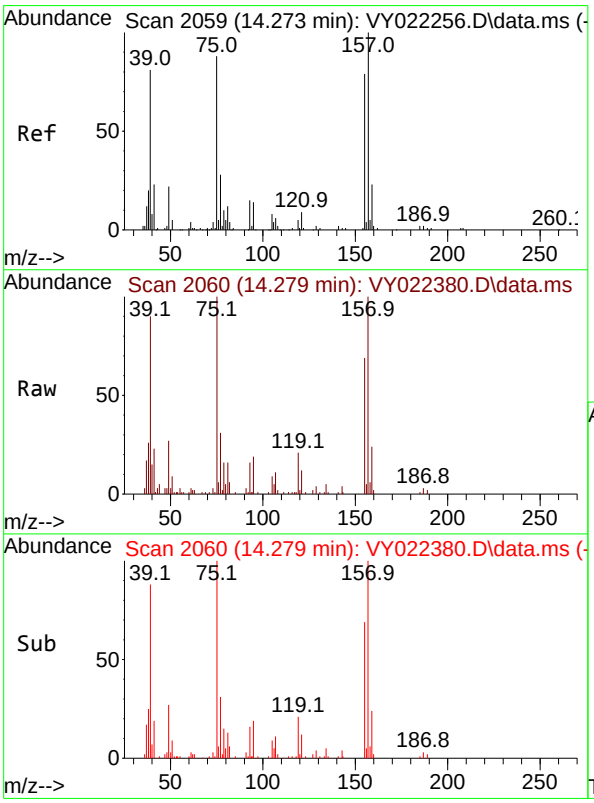
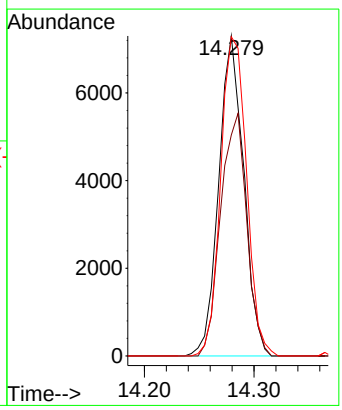
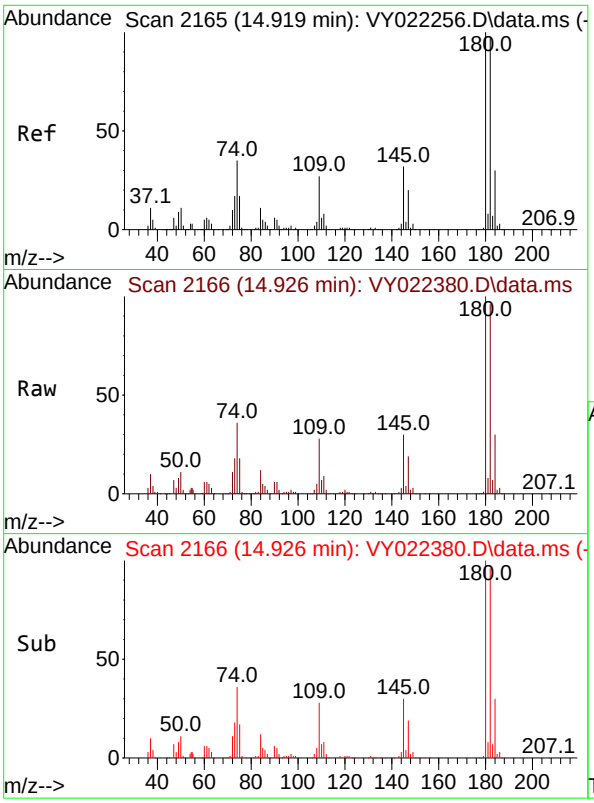


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.863 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion: 75 Resp: 11556

Ion	Ratio	Lower	Upper
75	100		
155	78.9	43.4	130.1
157	103.4	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 53.492 ug/l
RT: 14.926 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:180 Resp: 10367

Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.0
145	28.8	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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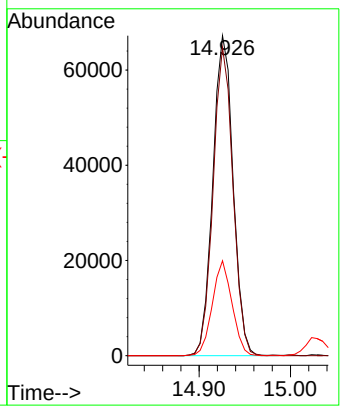
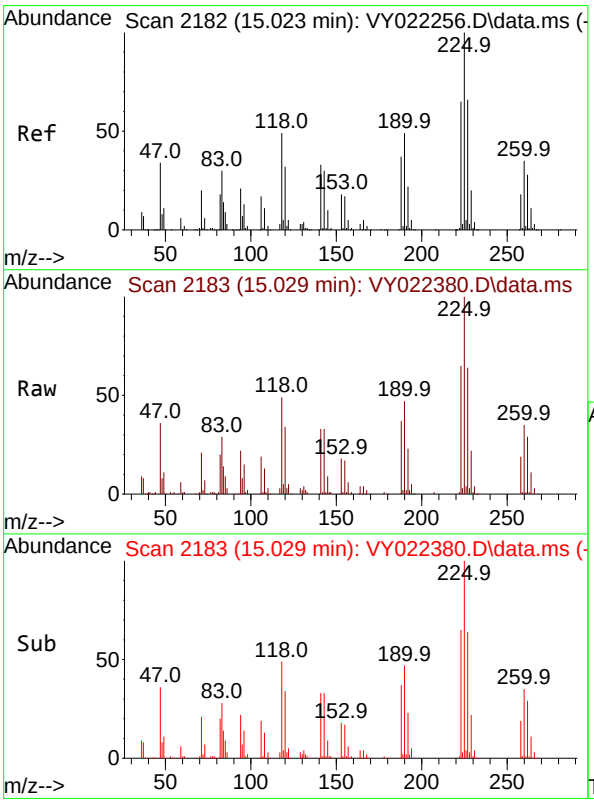
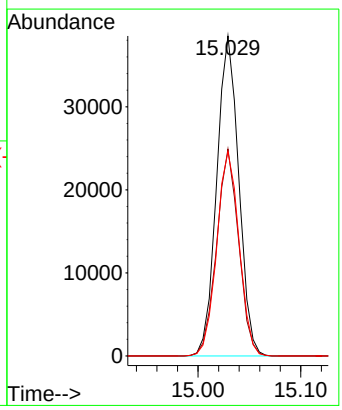


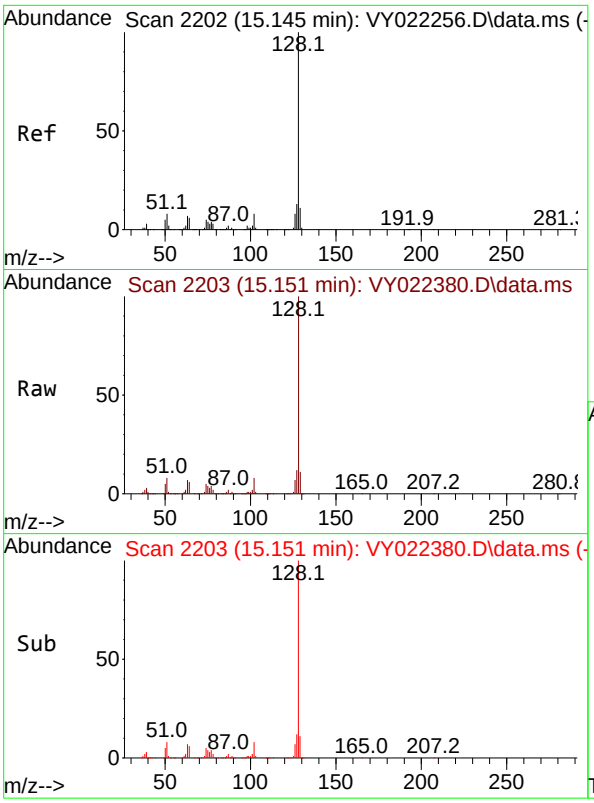


#94
Hexachlorobutadiene
Concen: 52.980 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:225 Resp: 57263

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.5	94.5
227	64.9	32.1	96.3

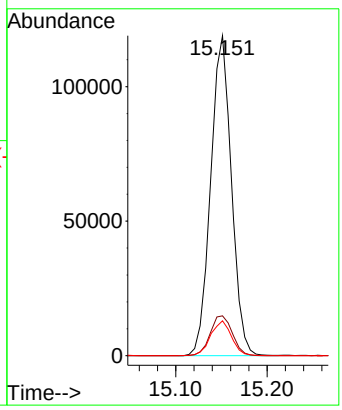




#95
Naphthalene
Concen: 50.990 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:128 Resp: 18753

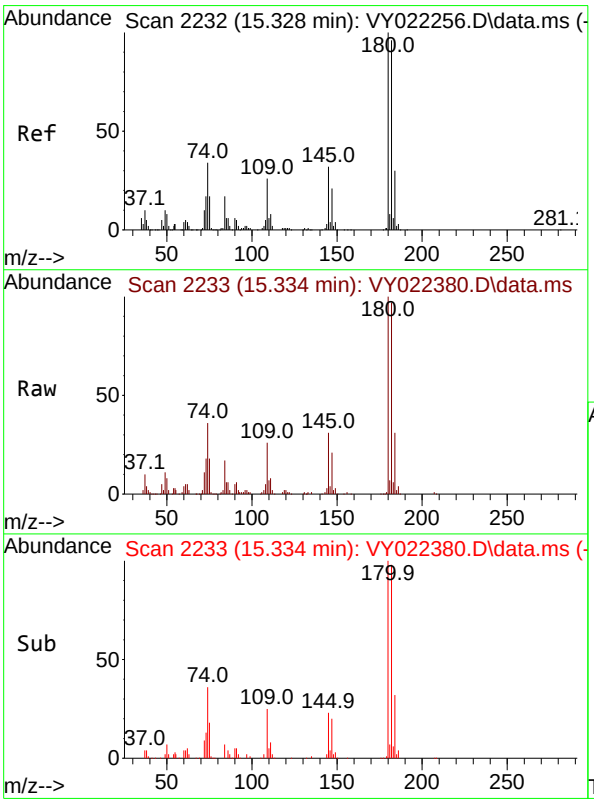
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

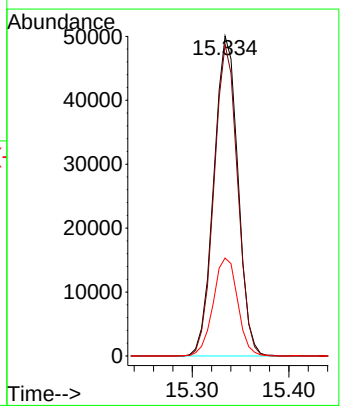
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.428 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022380.D
Acq: 22 May 2025 08:35

Tgt Ion:180 Resp: 86200

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	31.2	15.9	47.6



Sample Results: **VY022380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	60	0.01
2	T	Dichlorodifluoromethane	0.522	0.512	1.9	61	0.01
3	P	Chloromethane	1.097	1.092	0.5	63	0.01
4	C	Vinyl Chloride	1.226	1.451	-18.4#	72	0.00
5	T	Bromomethane	0.998	1.202	-20.4	83	0.01
6	T	Chloroethane	0.763	0.992	-30.0#	79	0.01
7	T	Trichlorofluoromethane	1.241	1.338	-7.8	67	0.02
8	T	Diethyl Ether	0.298	0.301	-1.0	62	0.02
9	T	1,1,2-Trichlorotrifluoroeth	0.539	0.600	-11.3	67	0.00
10	T	Methyl Iodide	0.624	0.697	-11.7	61	0.01
11	T	Tert butyl alcohol	0.042	0.038	9.5	59	0.01
12	CM	1,1-Dichloroethene	0.535	0.576	-7.7#	65	0.01
13	T	Acrolein	0.061	0.027	55.7#	29#	0.01
14	T	Allyl chloride	0.938	0.886	5.5	56	0.02
15	T	Acrylonitrile	0.123	0.120	2.4	60	0.01
16	T	Acetone	0.102	0.096	5.9	63	0.00
17	T	Carbon Disulfide	1.744	1.805	-3.5	62	0.01
18	T	Methyl Acetate	0.323	0.304	5.9	61	0.02
19	T	Methyl tert-butyl Ether	1.475	1.522	-3.2	63	0.02
20	T	Methylene Chloride	0.662	0.614	7.3	62	0.01
21	T	trans-1,2-Dichloroethene	0.590	0.630	-6.8	64	0.02
22	T	Diisopropyl ether	1.980	1.925	2.8	58	0.01
23	T	Vinyl Acetate	1.196	1.114	6.9	57	0.02
24	P	1,1-Dichloroethane	1.106	1.155	-4.4	62	0.01
25	T	2-Butanone	0.171	0.154	9.9	58	0.01
26	T	2,2-Dichloropropane	0.984	1.067	-8.4	65	0.01
27	T	cis-1,2-Dichloroethene	0.681	0.741	-8.8	65	0.01
28	T	Bromochloromethane	0.472	0.490	-3.8	63	0.01
29	T	Tetrahydrofuran	0.110	0.100	9.1	57	0.01
30	C	Chloroform	1.061	1.157	-9.0#	65	0.01
31	T	Cyclohexane	1.105	1.072	3.0	61	0.01
32	T	1,1,1-Trichloroethane	0.974	1.054	-8.2	66	0.01
33	S	1,2-Dichloroethane-d4	0.546	0.561	-2.7	63	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	62	0.00
35	S	Dibromofluoromethane	0.298	0.318	-6.7	66	0.01
36	T	1,1-Dichloropropene	0.492	0.517	-5.1	64	0.01
37	T	Ethyl Acetate	0.237	0.211	11.0	56	0.00
38	T	Carbon Tetrachloride	0.509	0.548	-7.7	66	0.01
39	T	Methylcyclohexane	0.660	0.694	-5.2	65	0.01
40	TM	Benzene	1.457	1.548	-6.2	64	0.01
41	T	Methacrylonitrile	0.157	0.143	8.9	56	0.04
42	TM	1,2-Dichloroethane	0.394	0.396	-0.5	62	0.01
43	T	Isopropyl Acetate	0.516	0.468	9.3	57	0.01
44	TM	Trichloroethene	0.362	0.385	-6.4	65	0.01
45	C	1,2-Dichloropropane	0.351	0.362	-3.1#	63	0.01
46	T	Dibromomethane	0.189	0.197	-4.2	65	0.00
47	T	Bromodichloromethane	0.492	0.514	-4.5	63	0.01
48	T	Methyl methacrylate	0.241	0.215	10.8	56	0.01

Sample Results: **VY022380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	0.002	0.002	0.0	65	0.00
50	S	Toluene-d8	1.222	1.298	-6.2	66	0.01
51	T	4-Methyl-2-Pentanone	0.253	0.230	9.1	57	0.00
52	CM	Toluene	0.923	0.978	-6.0#	65	0.00
53	T	t-1,3-Dichloropropene	0.480	0.478	0.4	61	0.01
54	T	cis-1,3-Dichloropropene	0.550	0.565	-2.7	63	0.01
55	T	1,1,2-Trichloroethane	0.243	0.246	-1.2	63	0.00
56	T	Ethyl methacrylate	0.378	0.372	1.6	61	0.00
57	T	1,3-Dichloropropane	0.431	0.443	-2.8	63	0.00
58	T	2-Chloroethyl Vinyl ether	0.170	0.180	-5.9	61	0.01
59	T	2-Hexanone	0.170	0.151	11.2	57	0.00
60	T	Dibromochloromethane	0.315	0.330	-4.8	64	0.01
61	T	1,2-Dibromoethane	0.226	0.236	-4.4	65	0.01
62	S	4-Bromofluorobenzene	0.387	0.387	0.0	62	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	62	0.00
64	T	Tetrachloroethene	0.462	0.502	-8.7	66	0.00
65	PM	Chlorobenzene	1.128	1.194	-5.9	64	0.01
66	T	1,1,1,2-Tetrachloroethane	0.388	0.402	-3.6	63	0.00
67	C	Ethyl Benzene	2.113	2.234	-5.7#	64	0.00
68	T	m/p-Xylenes	0.796	0.849	-6.7	65	0.00
69	T	o-Xylene	0.753	0.791	-5.0	64	0.01
70	T	Styrene	1.270	1.325	-4.3	63	0.00
71	P	Bromoform	0.209	0.212	-1.4	63	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	61	0.00
73	T	Isopropylbenzene	4.142	4.432	-7.0	65	0.00
74	T	N-amyl acetate	1.185	1.082	8.7	57	0.01
75	P	1,1,2,2-Tetrachloroethane	0.637	0.657	-3.1	64	0.00
76	T	1,2,3-Trichloropropane	0.507	0.499	1.6	61	0.00
77	T	Bromobenzene	0.885	0.930	-5.1	64	0.01
78	T	n-propylbenzene	4.996	5.385	-7.8	64	0.00
79	T	2-Chlorotoluene	2.746	2.881	-4.9	63	0.01
80	T	1,3,5-Trimethylbenzene	3.344	3.533	-5.7	64	0.00
81	T	trans-1,4-Dichloro-2-butene	0.250	0.234	6.4	61	0.00
82	T	4-Chlorotoluene	2.824	2.941	-4.1	62	0.01
83	T	tert-Butylbenzene	2.972	3.200	-7.7	65	0.00
84	T	1,2,4-Trimethylbenzene	3.319	3.526	-6.2	63	0.00
85	T	sec-Butylbenzene	4.412	4.835	-9.6	65	0.00
86	T	p-Isopropyltoluene	3.710	4.077	-9.9	65	0.00
87	T	1,3-Dichlorobenzene	1.806	1.920	-6.3	64	0.00
88	T	1,4-Dichlorobenzene	1.737	1.831	-5.4	64	0.00
89	T	n-Butylbenzene	3.510	3.887	-10.7	65	0.00
90	T	Hexachloroethane	0.749	0.795	-6.1	64	0.00
91	T	1,2-Dichlorobenzene	1.517	1.600	-5.5	64	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.103	0.104	-1.0	64	0.00
93	T	1,2,4-Trichlorobenzene	0.876	0.937	-7.0	64	0.00
94	T	Hexachlorobutadiene	0.489	0.518	-5.9	63	0.00
95	T	Naphthalene	1.663	1.696	-2.0	63	0.00

Sample Results: **VY022380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	0.743	0.779	-4.8	64	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	60	0.01
2	T	Dichlorodifluoromethane	50.000	49.047	1.9	61	0.01
3	P	Chloromethane	50.000	49.773	0.5	63	0.01
4	C	Vinyl Chloride	50.000	59.188	-18.4#	72	0.00
5	T	Bromomethane	50.000	60.227	-20.5	83	0.01
6	T	Chloroethane	50.000	65.048	-30.1#	79	0.01
7	T	Trichlorofluoromethane	50.000	53.896	-7.8	67	0.02
8	T	Diethyl Ether	50.000	50.471	-0.9	62	0.02
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.692	-11.4	67	0.00
10	T	Methyl Iodide	50.000	55.849	-11.7	61	0.01
11	T	Tert butyl alcohol	250.000	227.243	9.1	59	0.01
12	CM	1,1-Dichloroethene	50.000	53.894	-7.8#	65	0.01
13	T	Acrolein	250.000	109.497	56.2#	29	0.01
14	T	Allyl chloride	50.000	47.221	5.6	56	0.02
15	T	Acrylonitrile	250.000	243.864	2.5	60	0.01
16	T	Acetone	250.000	235.333	5.9	63	0.00
17	T	Carbon Disulfide	50.000	51.759	-3.5	62	0.01
18	T	Methyl Acetate	50.000	46.981	6.0	61	0.02
19	T	Methyl tert-butyl Ether	50.000	51.604	-3.2	63	0.02
20	T	Methylene Chloride	50.000	46.380	7.2	62	0.01
21	T	trans-1,2-Dichloroethene	50.000	53.333	-6.7	64	0.02
22	T	Diisopropyl ether	50.000	48.607	2.8	58	0.01
23	T	Vinyl Acetate	250.000	232.677	6.9	57	0.02
24	P	1,1-Dichloroethane	50.000	52.212	-4.4	62	0.01
25	T	2-Butanone	250.000	225.284	9.9	58	0.01
26	T	2,2-Dichloropropane	50.000	54.202	-8.4	65	0.01
27	T	cis-1,2-Dichloroethene	50.000	54.417	-8.8	65	0.01
28	T	Bromochloromethane	50.000	51.923	-3.8	63	0.01
29	T	Tetrahydrofuran	250.000	227.418	9.0	57	0.01
30	C	Chloroform	50.000	54.509	-9.0#	65	0.01
31	T	Cyclohexane	50.000	48.489	3.0	61	0.01
32	T	1,1,1-Trichloroethane	50.000	54.115	-8.2	66	0.01
33	S	1,2-Dichloroethane-d4	50.000	51.370	-2.7	63	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	62	0.00
35	S	Dibromofluoromethane	50.000	53.337	-6.7	66	0.01
36	T	1,1-Dichloropropene	50.000	52.597	-5.2	64	0.01
37	T	Ethyl Acetate	50.000	44.661	10.7	56	0.00
38	T	Carbon Tetrachloride	50.000	53.827	-7.7	66	0.01
39	T	Methylcyclohexane	50.000	52.569	-5.1	65	0.01
40	TM	Benzene	50.000	53.106	-6.2	64	0.01
41	T	Methacrylonitrile	50.000	45.426	9.1	56	0.04
42	TM	1,2-Dichloroethane	50.000	50.267	-0.5	62	0.01
43	T	Isopropyl Acetate	50.000	45.395	9.2	57	0.01
44	TM	Trichloroethene	50.000	53.190	-6.4	65	0.01
45	C	1,2-Dichloropropane	50.000	51.460	-2.9#	63	0.01
46	T	Dibromomethane	50.000	51.917	-3.8	65	0.00
47	T	Bromodichloromethane	50.000	52.278	-4.6	63	0.01
48	T	Methyl methacrylate	50.000	44.496	11.0	56	0.01

Sample Results: **VY022380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	994.901	0.5	65	0.00
50	S	Toluene-d8	50.000	53.110	-6.2	66	0.01
51	T	4-Methyl-2-Pentanone	250.000	227.107	9.2	57	0.00
52	CM	Toluene	50.000	53.002	-6.0#	65	0.00
53	T	t-1,3-Dichloropropene	50.000	49.816	0.4	61	0.01
54	T	cis-1,3-Dichloropropene	50.000	51.367	-2.7	63	0.01
55	T	1,1,2-Trichloroethane	50.000	50.711	-1.4	63	0.00
56	T	Ethyl methacrylate	50.000	49.163	1.7	61	0.00
57	T	1,3-Dichloropropane	50.000	51.386	-2.8	63	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.693	-6.3	61	0.01
59	T	2-Hexanone	250.000	222.384	11.0	57	0.00
60	T	Dibromochloromethane	50.000	52.423	-4.8	64	0.01
61	T	1,2-Dibromoethane	50.000	52.166	-4.3	65	0.01
62	S	4-Bromofluorobenzene	50.000	49.898	0.2	62	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	62	0.00
64	T	Tetrachloroethene	50.000	54.305	-8.6	66	0.00
65	PM	Chlorobenzene	50.000	52.931	-5.9	64	0.01
66	T	1,1,1,2-Tetrachloroethane	50.000	51.774	-3.5	63	0.00
67	C	Ethyl Benzene	50.000	52.876	-5.8#	64	0.00
68	T	m/p-Xylenes	100.000	106.617	-6.6	65	0.00
69	T	o-Xylene	50.000	52.518	-5.0	64	0.01
70	T	Styrene	50.000	52.163	-4.3	63	0.00
71	P	Bromoform	50.000	50.521	-1.0	63	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	61	0.00
73	T	Isopropylbenzene	50.000	53.502	-7.0	65	0.00
74	T	N-amyl acetate	50.000	45.682	8.6	57	0.01
75	P	1,1,2,2-Tetrachloroethane	50.000	51.561	-3.1	64	0.00
76	T	1,2,3-Trichloropropane	50.000	49.223	1.6	61	0.00
77	T	Bromobenzene	50.000	52.574	-5.1	64	0.01
78	T	n-propylbenzene	50.000	53.885	-7.8	64	0.00
79	T	2-Chlorotoluene	50.000	52.461	-4.9	63	0.01
80	T	1,3,5-Trimethylbenzene	50.000	52.837	-5.7	64	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.827	6.3	61	0.00
82	T	4-Chlorotoluene	50.000	52.070	-4.1	62	0.01
83	T	tert-Butylbenzene	50.000	53.844	-7.7	65	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.109	-6.2	63	0.00
85	T	sec-Butylbenzene	50.000	54.800	-9.6	65	0.00
86	T	p-Isopropyltoluene	50.000	54.938	-9.9	65	0.00
87	T	1,3-Dichlorobenzene	50.000	53.142	-6.3	64	0.00
88	T	1,4-Dichlorobenzene	50.000	52.704	-5.4	64	0.00
89	T	n-Butylbenzene	50.000	55.365	-10.7	65	0.00
90	T	Hexachloroethane	50.000	53.097	-6.2	64	0.00
91	T	1,2-Dichlorobenzene	50.000	52.741	-5.5	64	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.863	-1.7	64	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.492	-7.0	64	0.00
94	T	Hexachlorobutadiene	50.000	52.980	-6.0	63	0.00
95	T	Naphthalene	50.000	50.990	-2.0	63	0.00

Sample Results: **VY022380.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022380.D
Acq On : 22 May 2025 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 23 03:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
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	52.428	-4.9	64	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

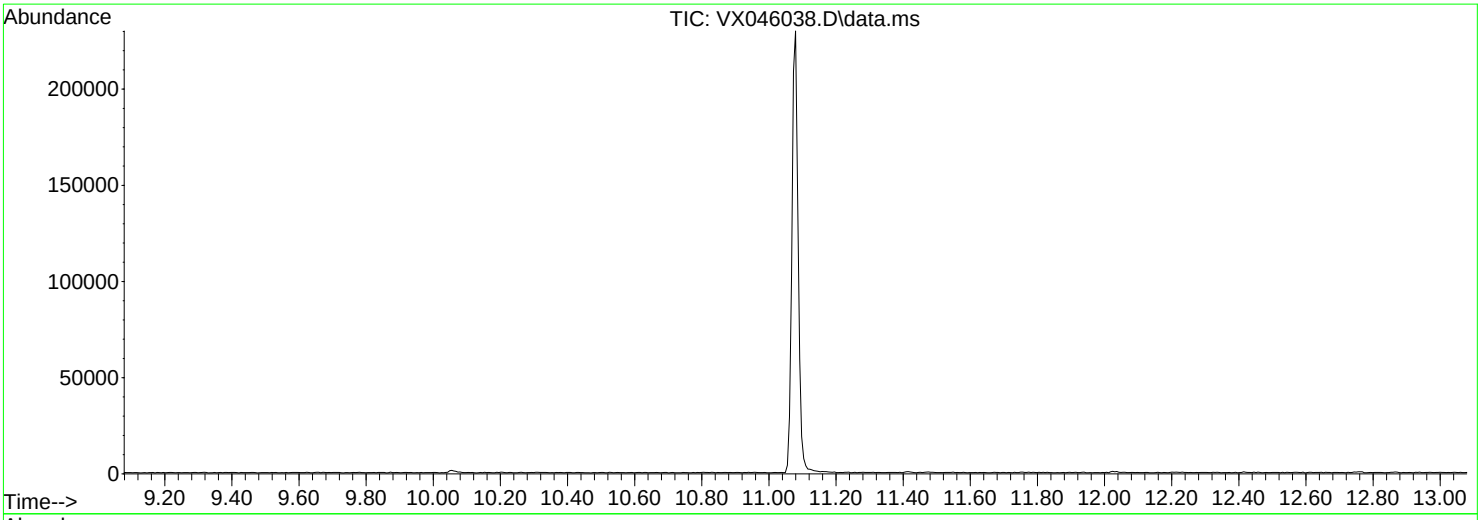
Sample Results: **VX046038.D**

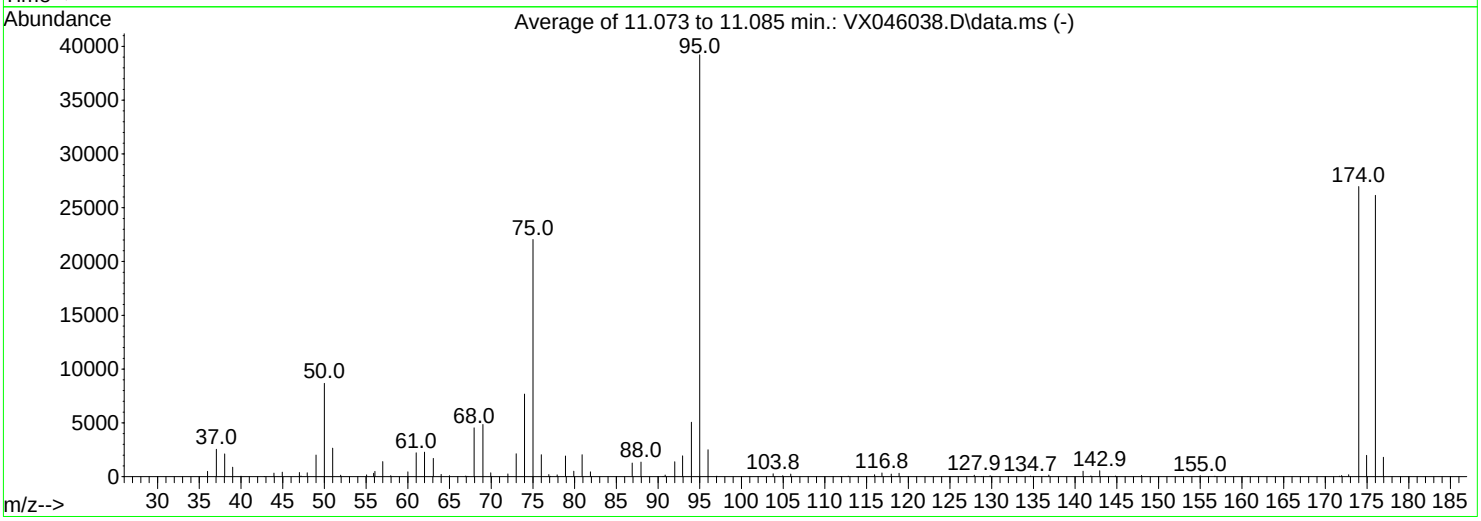
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

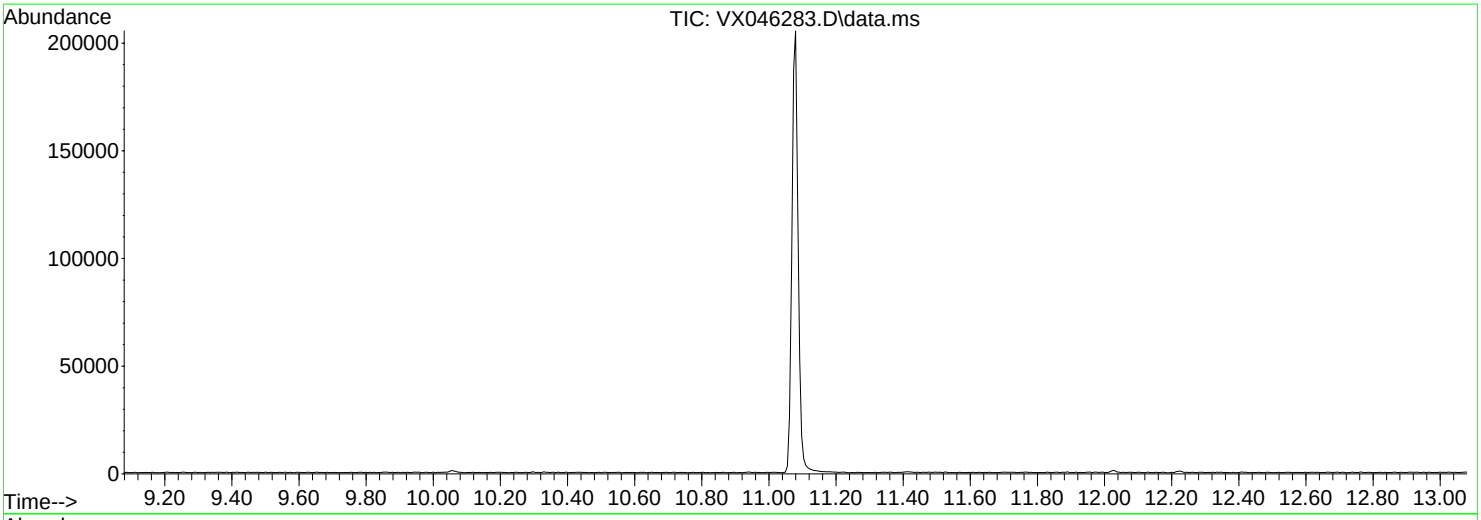
Sample Results: **VX046283.D**

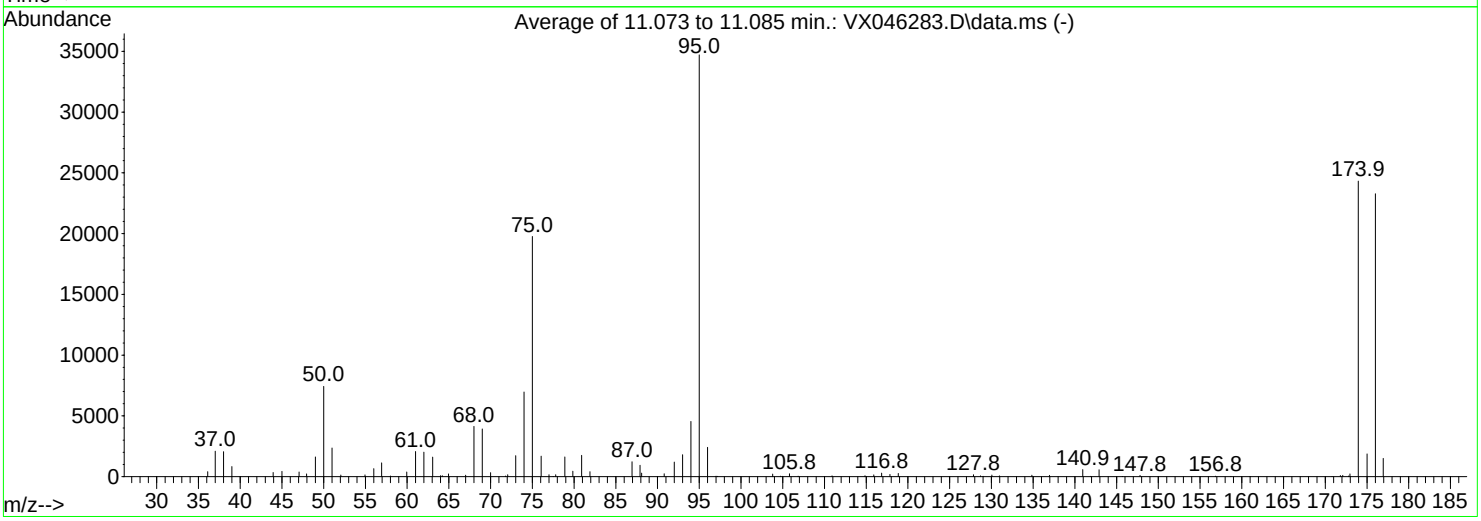
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046283.D
Acq On : 21 May 2025 09:13
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	7429	PASS
75	95	30	60	56.9	19765	PASS
95	95	100	100	100.0	34712	PASS
96	95	5	9	7.0	2413	PASS
173	174	0.00	2	0.9	221	PASS
174	95	50	100	70.1	24317	PASS
175	174	5	9	7.7	1864	PASS
176	174	95	101	95.7	23280	PASS
177	176	5	9	6.5	1508	PASS

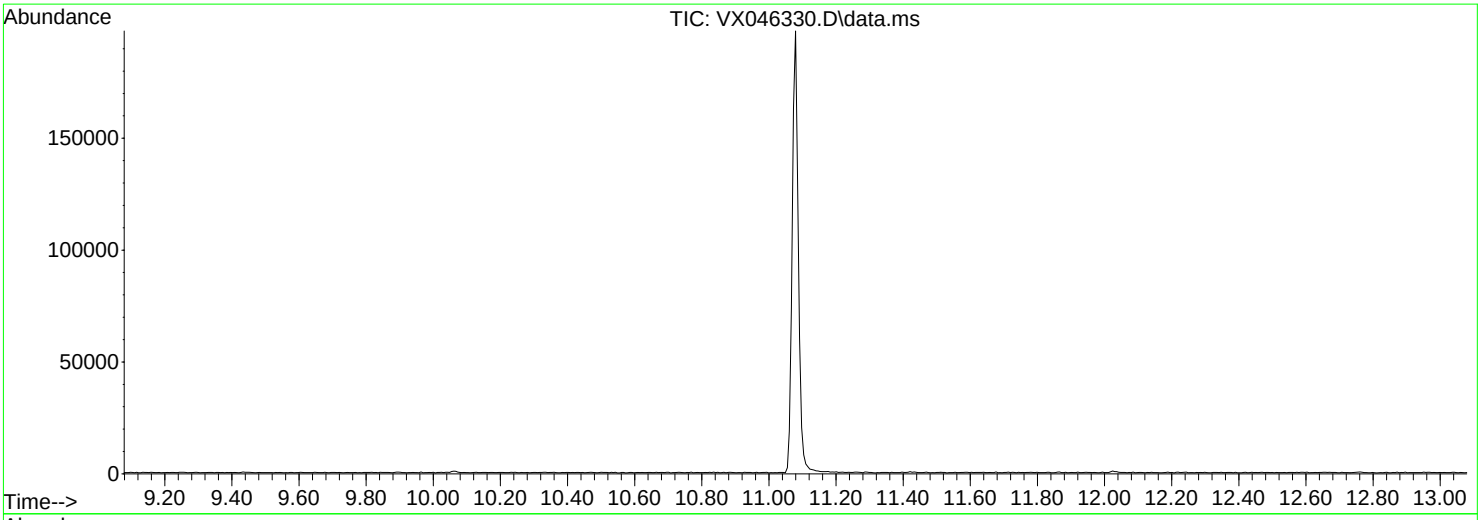
Sample Results: **VX046330.D**

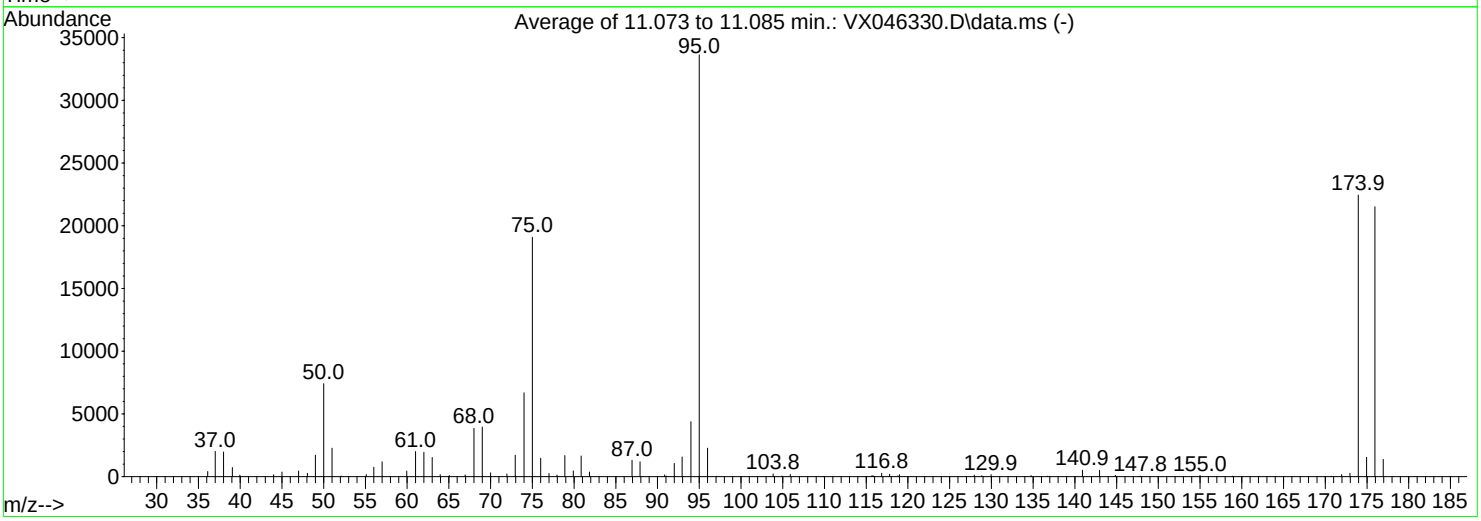
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046330.D
Acq On : 23 May 2025 08:25
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025





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	22.0	7406	PASS
75	95	30	60	56.7	19080	PASS
95	95	100	100	100.0	33629	PASS
96	95	5	9	6.7	2267	PASS
173	174	0.00	2	1.2	270	PASS
174	95	50	100	66.8	22448	PASS
175	174	5	9	6.9	1542	PASS
176	174	95	101	95.9	21525	PASS
177	176	5	9	6.4	1375	PASS

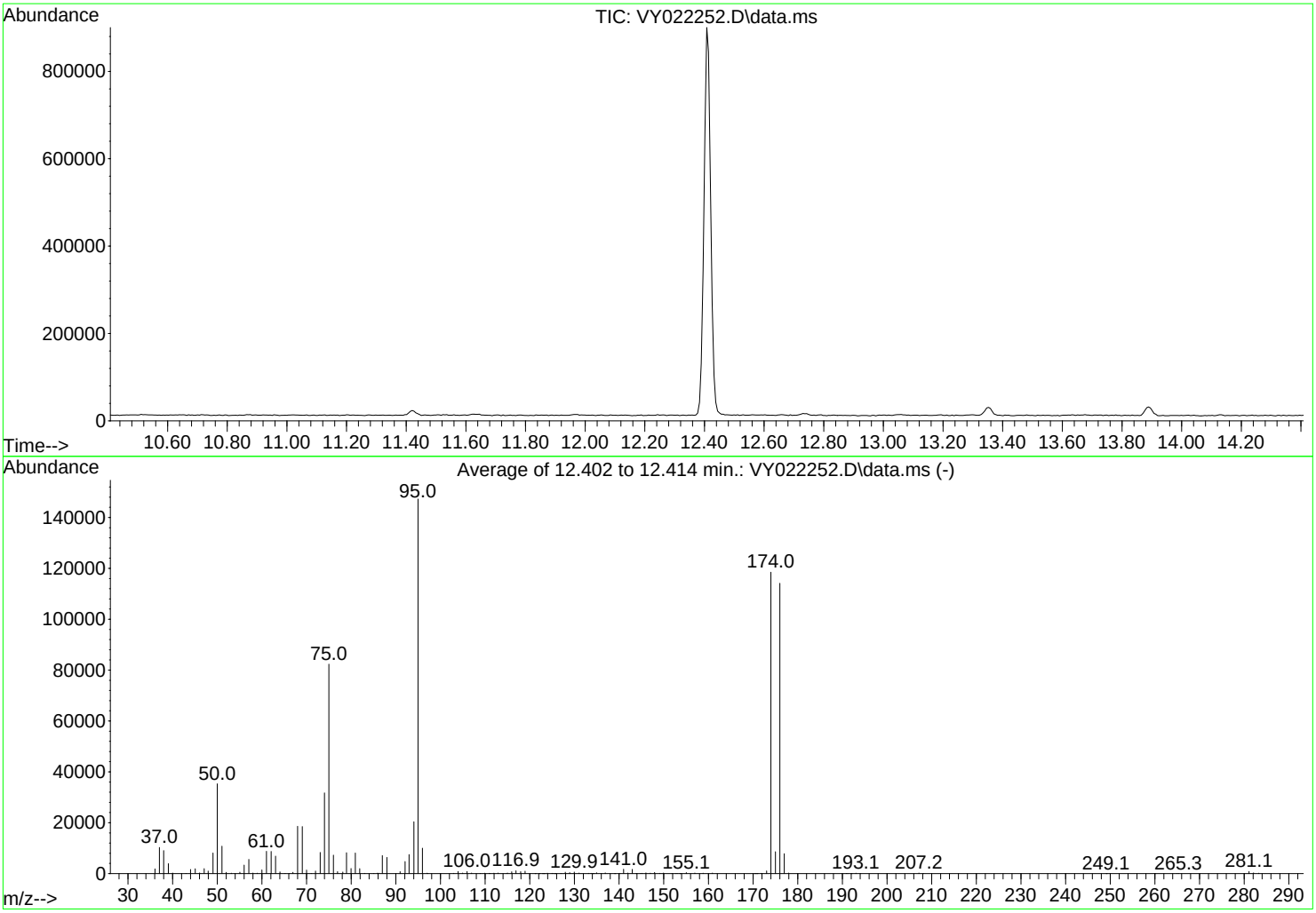
Sample Results: **VY022252.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
Data File : VY022252.D
Acq On : 15 May 2025 07:52
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	35318	PASS
75	95	30	60	55.9	82344	PASS
95	95	100	100	100.0	147275	PASS
96	95	5	9	6.8	9993	PASS
173	174	0.00	2	0.9	1042	PASS
174	95	50	100	80.5	118504	PASS
175	174	5	9	7.3	8635	PASS
176	174	95	101	96.3	114157	PASS
177	176	5	9	6.8	7810	PASS

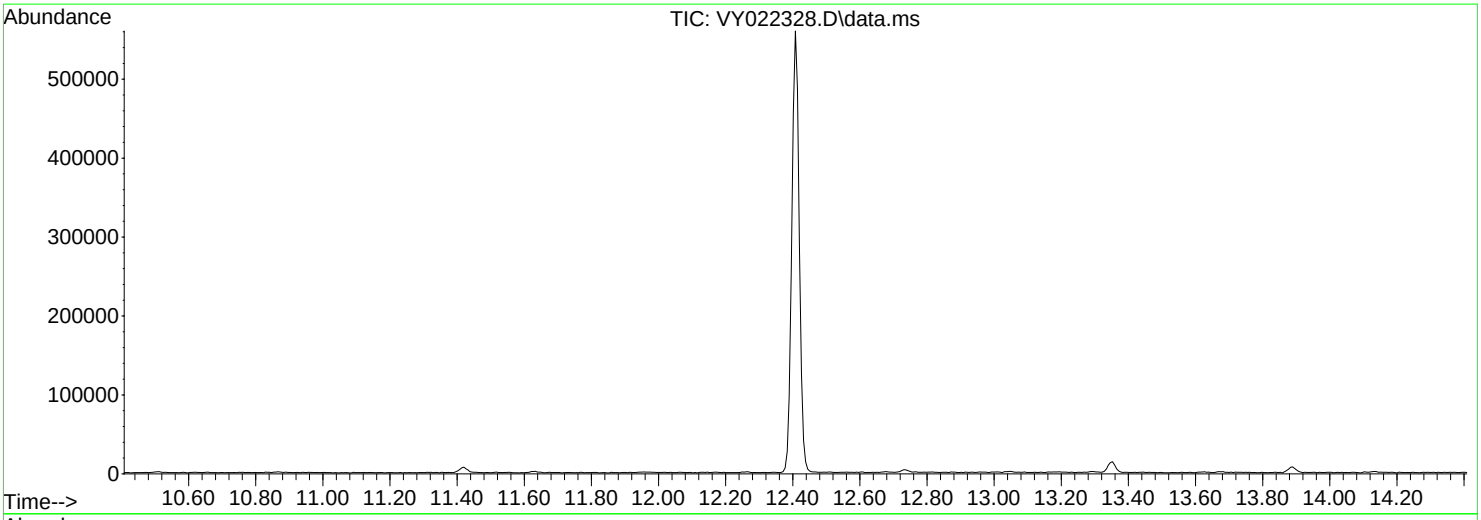
Sample Results: **VY022328.D**

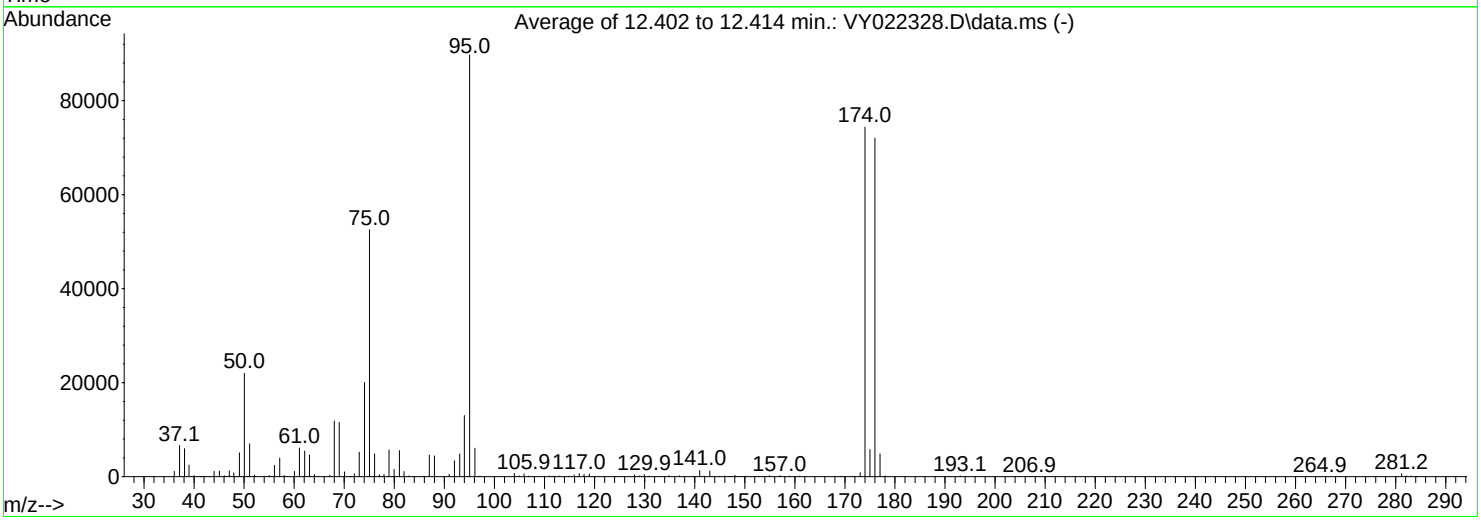
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022328.D
Acq On : 20 May 2025 08:09
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.5	21987	PASS
75	95	30	60	58.5	52528	PASS
95	95	100	100	100.0	89755	PASS
96	95	5	9	6.7	6051	PASS
173	174	0.00	2	1.2	859	PASS
174	95	50	100	82.9	74379	PASS
175	174	5	9	7.7	5741	PASS
176	174	95	101	96.8	72035	PASS
177	176	5	9	6.7	4837	PASS

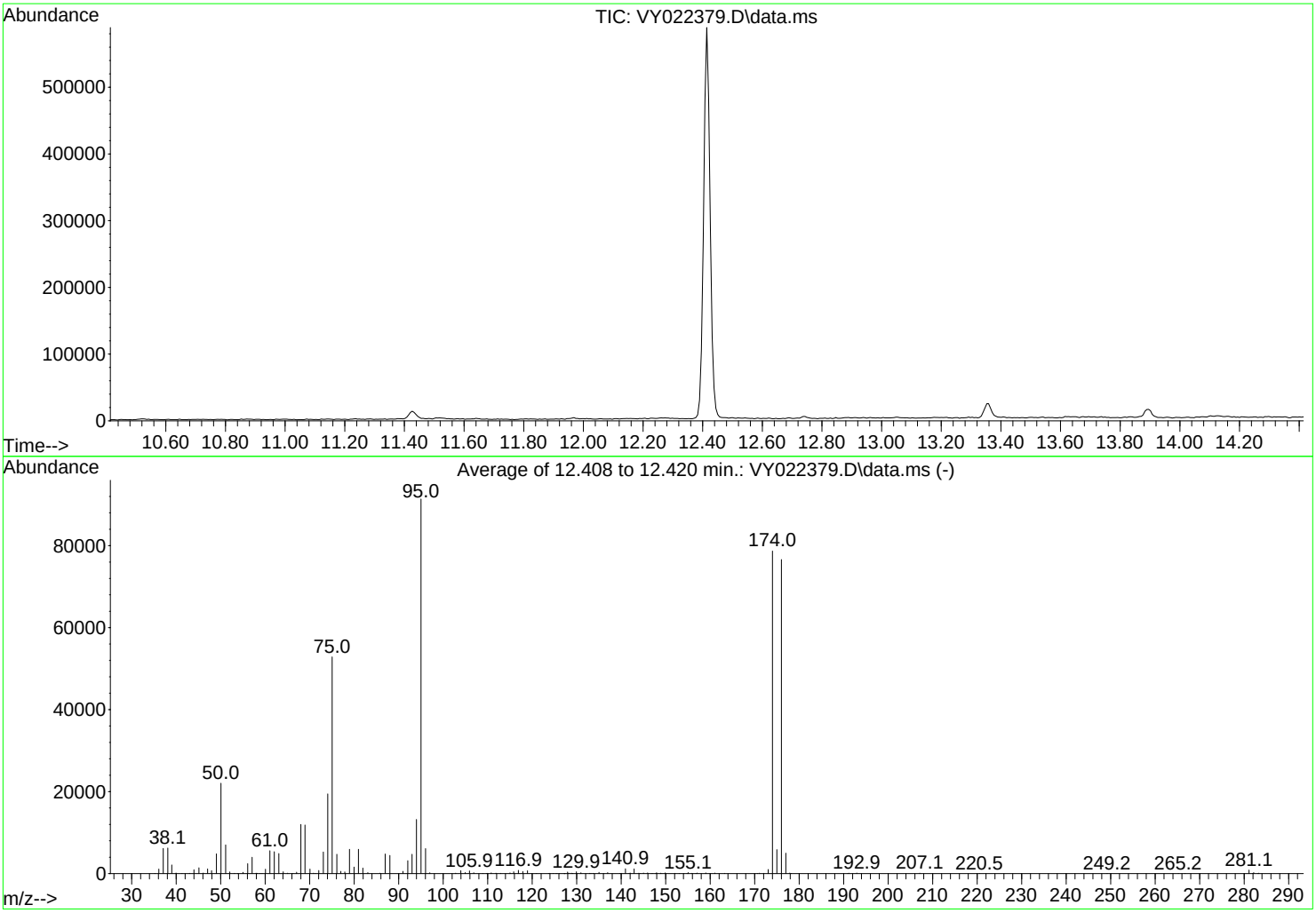
Sample Results: **VY022379.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022379.D
Acq On : 22 May 2025 08:05
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Title : SW846 8260
Last Update : Fri May 16 01:42:09 2025



AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1743

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	22056	PASS
75	95	30	60	57.8	52859	PASS
95	95	100	100	100.0	91380	PASS
96	95	5	9	6.7	6119	PASS
173	174	0.00	2	1.3	1000	PASS
174	95	50	100	86.1	78696	PASS
175	174	5	9	7.5	5864	PASS
176	174	95	101	97.4	76611	PASS
177	176	5	9	6.5	4987	PASS

Raw Data: **VX046286.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0521WBL01	SDG No.:	Q2075
Lab Sample ID:	VX0521WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046286.D	1		05/21/25 10:46	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	3.00	U	0.36	3.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
103-65-1	n-propylbenzene	1.00	U	0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.00	U	0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	1.00	U	0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.00	U	0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	1.00	U	0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	1.00	U	0.13	1.00	ug/L
104-51-8	n-Butylbenzene	1.00	U	0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66700	5.544			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53100	12.018			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Quant Time: May 22 01:45:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

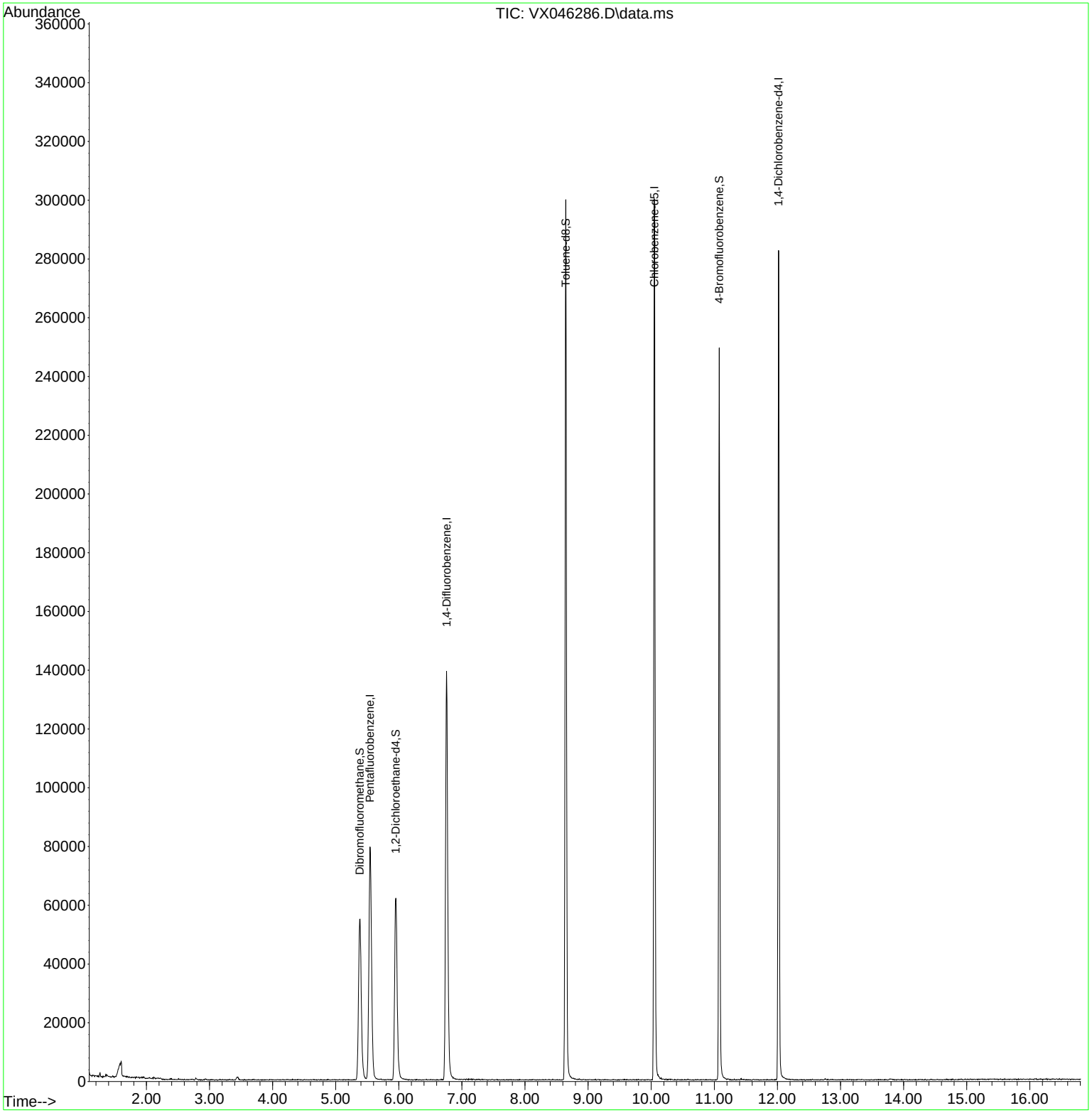
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132814	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66578	53.549	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.100%			
35) Dibromofluoromethane	5.379	113	48705	50.925	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.647	98	168104	50.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.079	95	64393	50.713	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.420%			
Target Compounds						Qvalue

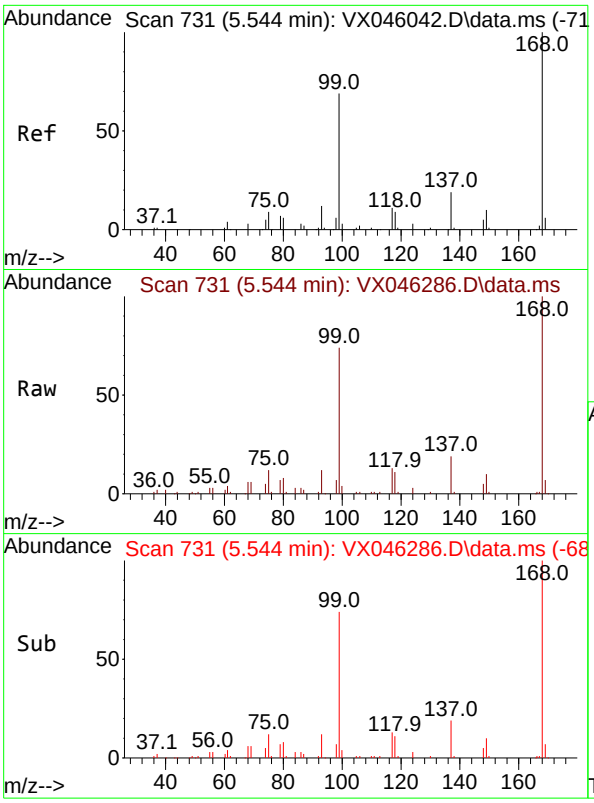
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Quant Time: May 22 01:45:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



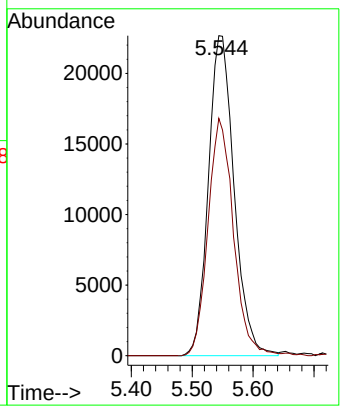


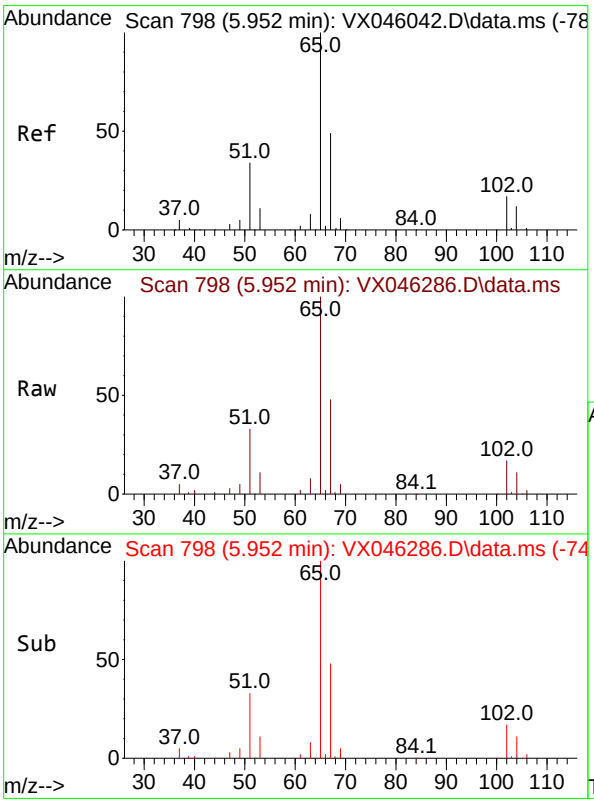
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion:168 Resp: 66690

Ion	Ratio	Lower	Upper
168	100		
99	74.1	54.9	82.3

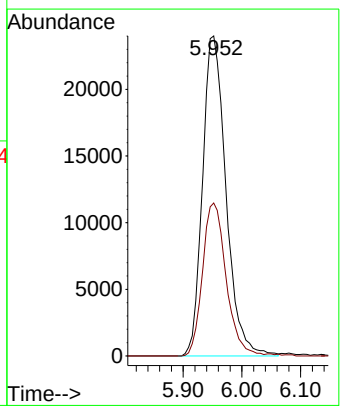


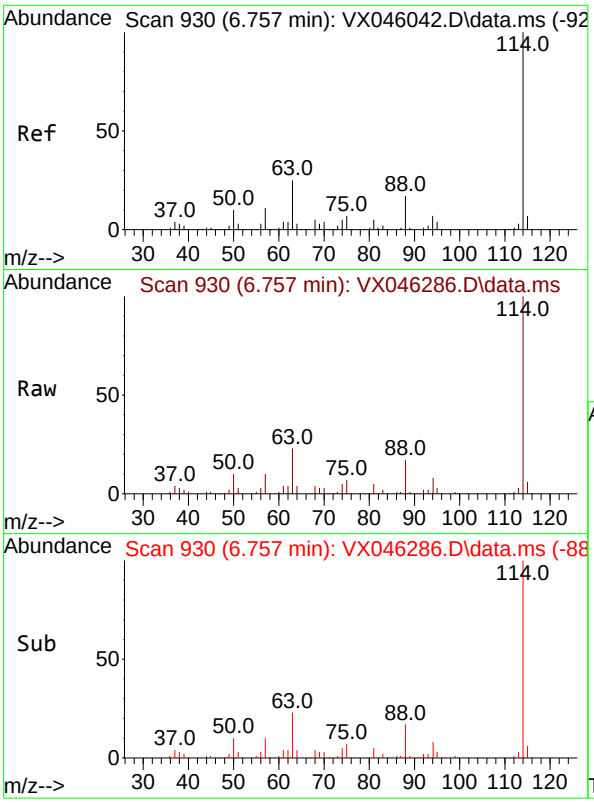


#33
1,2-Dichloroethane-d4
Concen: 53.549 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion: 65 Resp: 66578

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.0



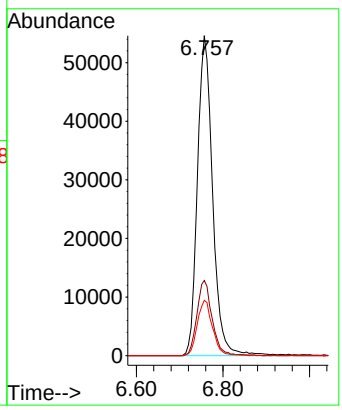


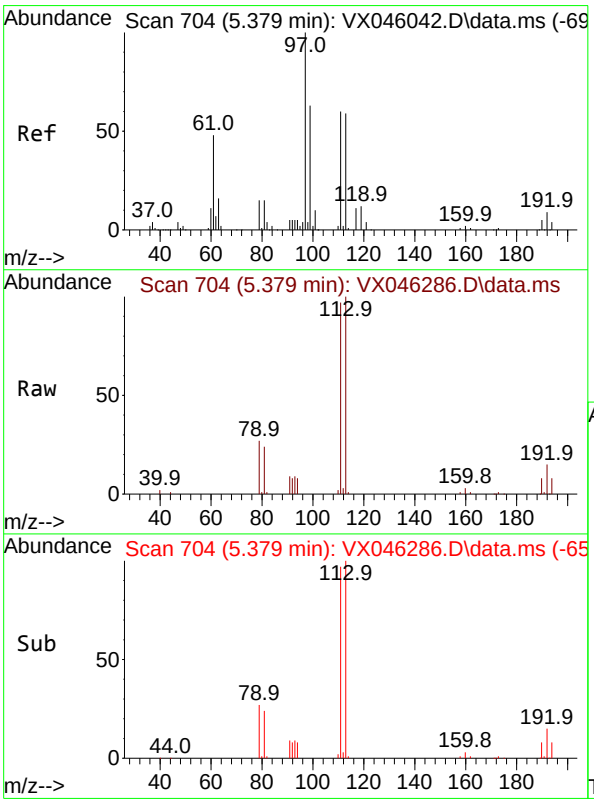
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion:114 Resp: 132814

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	49.2
88	17.3	0.0	33.6

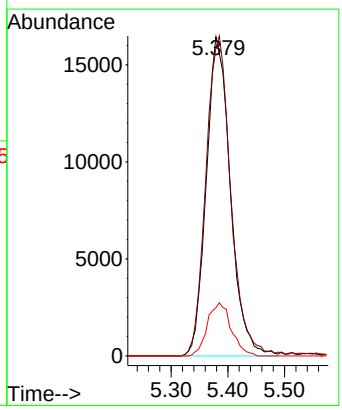


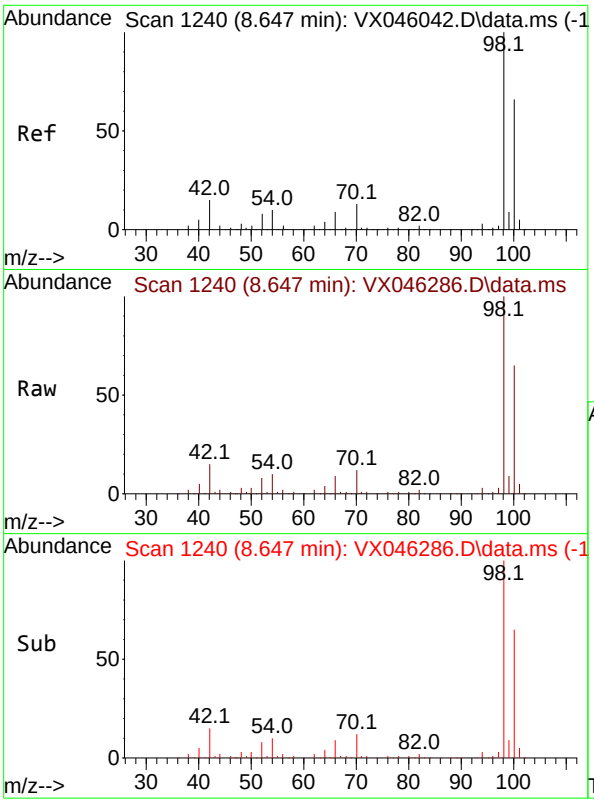


#35
Dibromofluoromethane
Concen: 50.925 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion:113 Resp: 48705

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	16.4	13.3	19.9



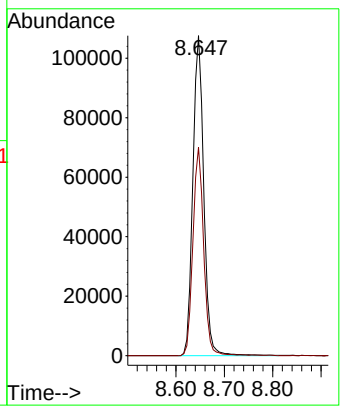


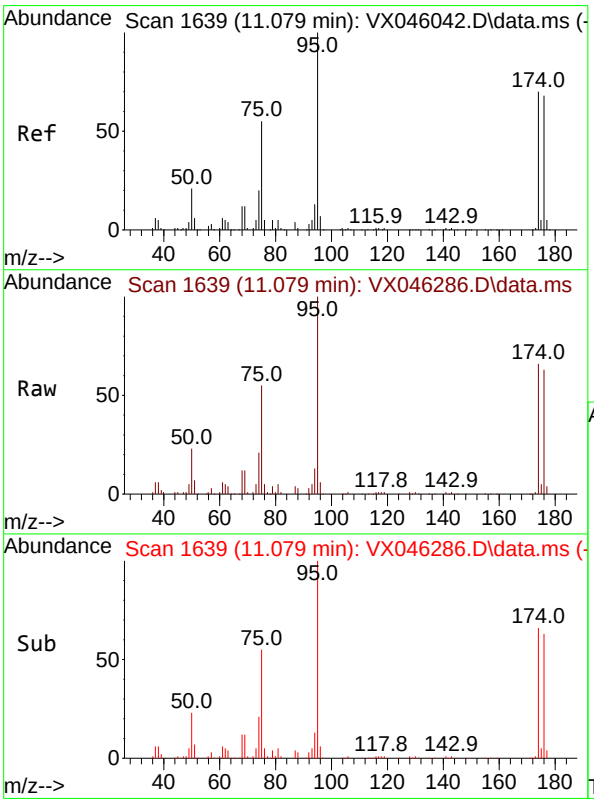
#50
Toluene-d8
Concen: 50.783 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion: 98 Resp: 168104

Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.5	80.3

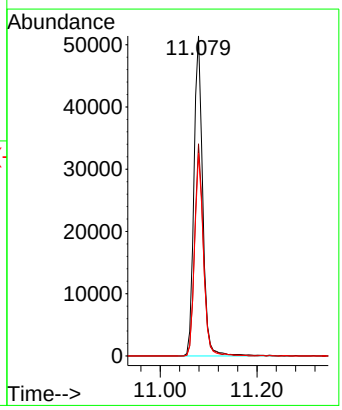


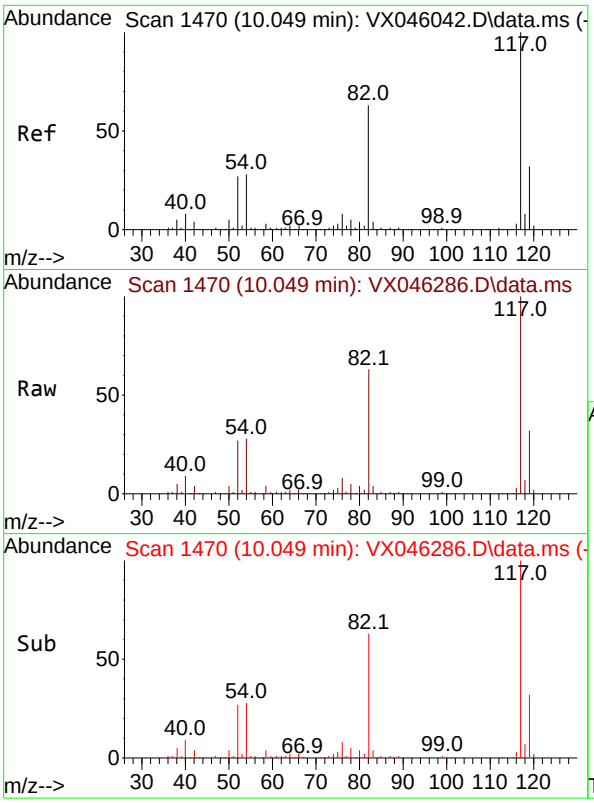


#62
4-Bromofluorobenzene
Concen: 50.713 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion: 95 Resp: 64393

Ion	Ratio	Lower	Upper
95	100		
174	65.8	0.0	135.8
176	63.7	0.0	131.4



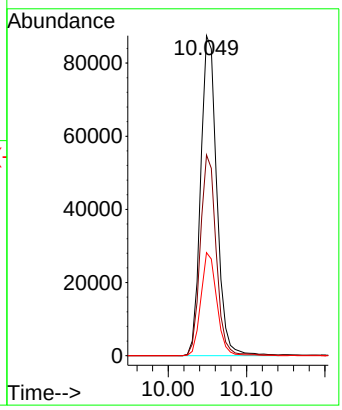


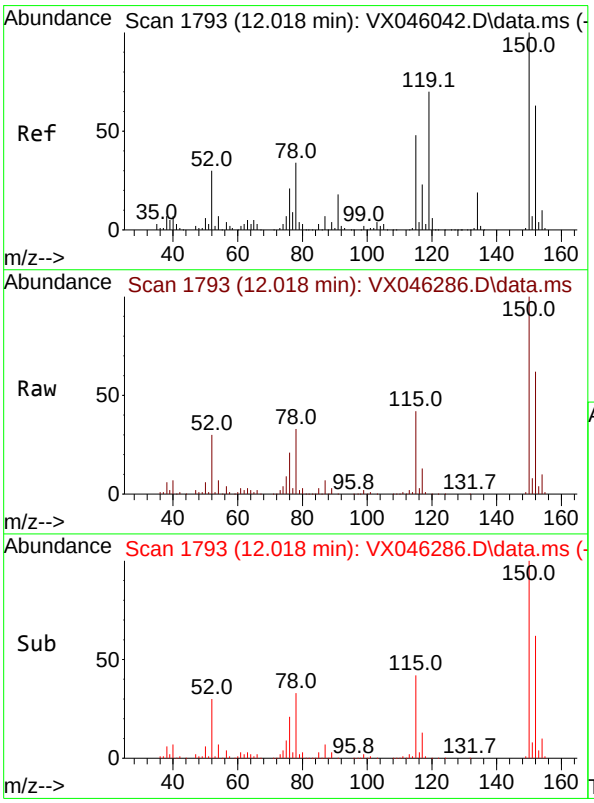
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion:117 Resp: 124685

Ion	Ratio	Lower	Upper
117	100		
82	62.7	50.6	76.0
119	32.2	25.8	38.6

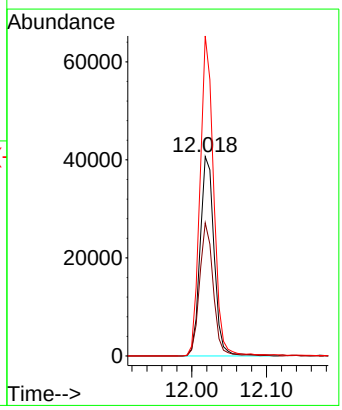




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion:152 Resp: 53099

Ion	Ratio	Lower	Upper
152	100		
115	65.1	46.9	140.7
150	155.5	0.0	351.0



Raw Data: **VX046332.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0523MBL01	SDG No.:	Q2075
Lab Sample ID:	VX0523MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046332.D	1		05/23/25 09:53	VX052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	500	U	79.0	500	ug/Kg
108-88-3	Toluene	500	U	78.0	500	ug/Kg
100-41-4	Ethyl Benzene	500	U	67.0	500	ug/Kg
1330-20-7	Total Xylenes	1500	U	202	1500	ug/Kg
98-82-8	Isopropylbenzene	500	U	78.0	500	ug/Kg
103-65-1	n-propylbenzene	500	U	73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	500	U	82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	500	U	67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	500	U	64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	500	U	66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	500	U	62.0	500	ug/Kg
104-51-8	n-Butylbenzene	500	U	150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	59100	5.544			
540-36-3	1,4-Difluorobenzene	117000	6.757			
3114-55-4	Chlorobenzene-d5	112000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48400	12.018			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046332.D
Acq On : 23 May 2025 09:53
Operator : JC/MD
Sample : VX0523MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

Quant Time: May 23 22:56:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	59074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	117281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58472	53.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.180%			
35) Dibromofluoromethane	5.379	113	42889	50.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%			
50) Toluene-d8	8.647	98	146121	49.989	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.980%			
62) 4-Bromofluorobenzene	11.079	95	57871	51.613	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.220%			

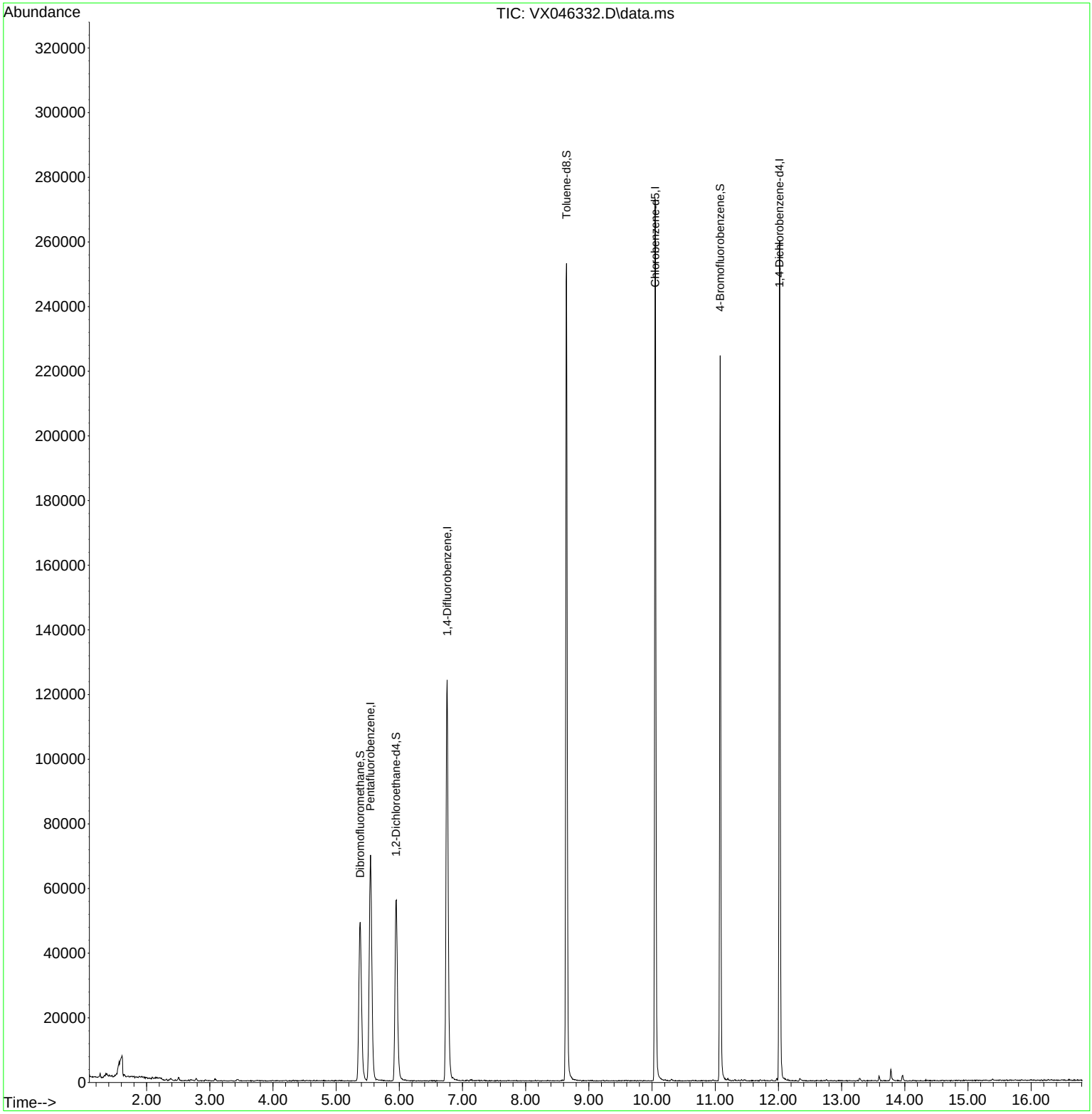
Target Compounds Qvalue

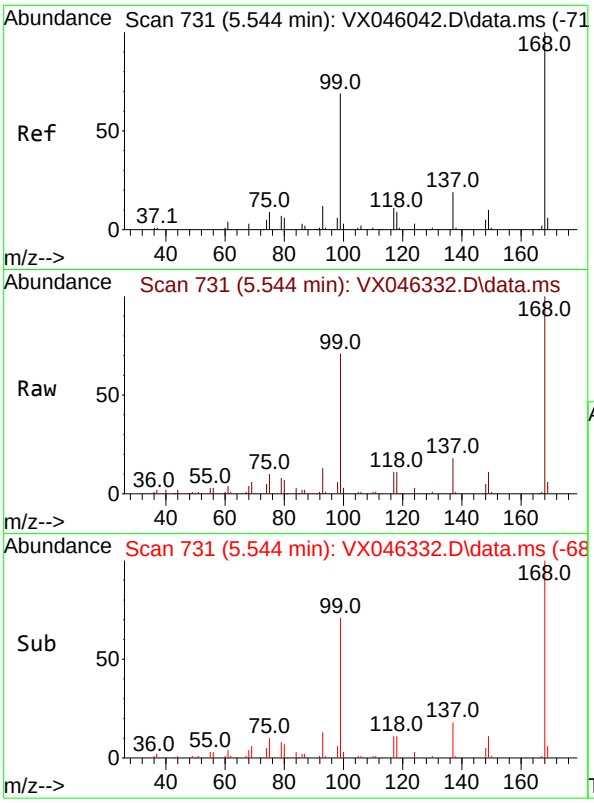
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046332.D
Acq On : 23 May 2025 09:53
Operator : JC/MD
Sample : VX0523MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

Quant Time: May 23 22:56:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



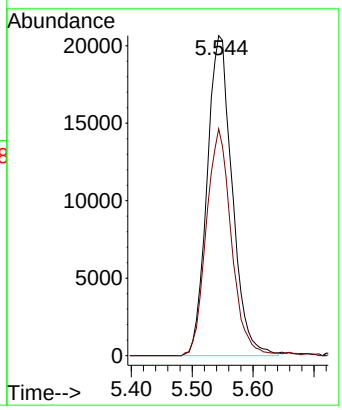


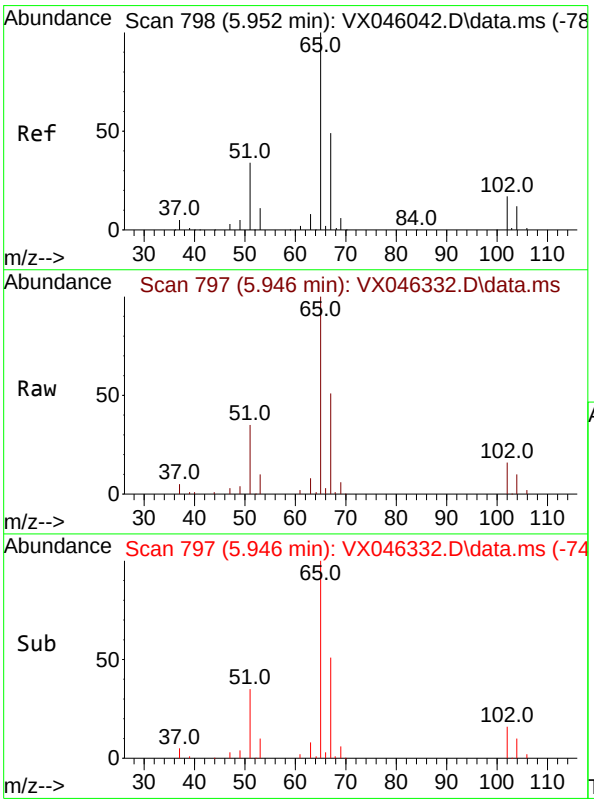
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

Tgt Ion:168 Resp: 59074

Ion	Ratio	Lower	Upper
168	100		
99	70.9	54.9	82.3

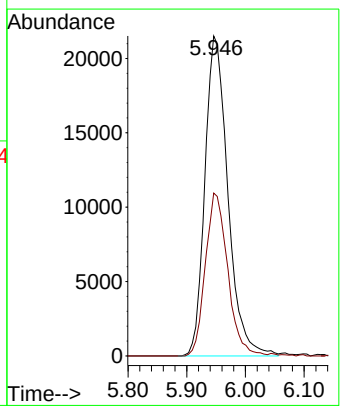


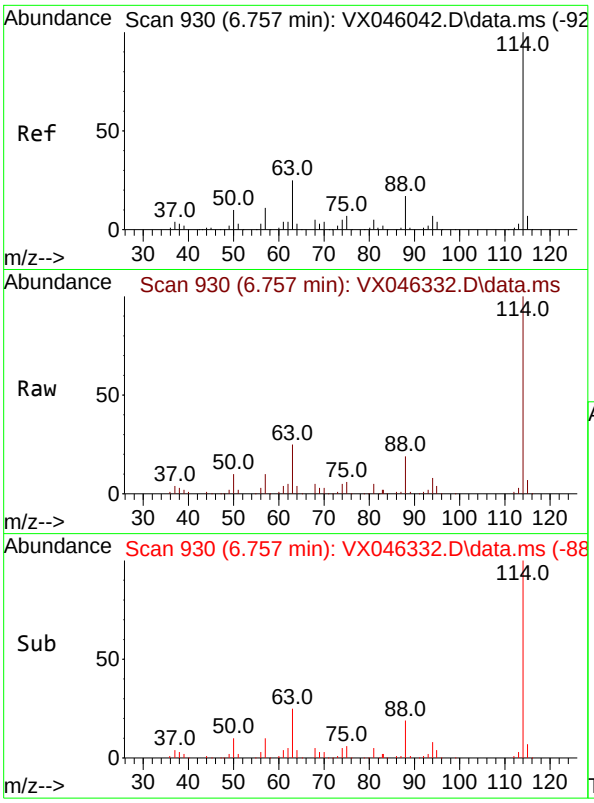


#33
1,2-Dichloroethane-d4
Concen: 53.092 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 65 Resp: 58472

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



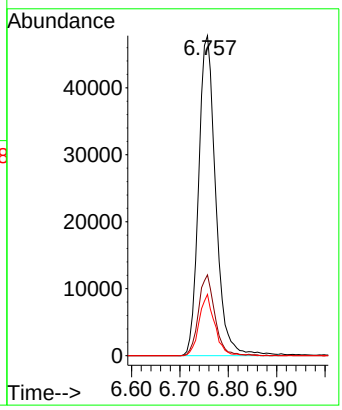


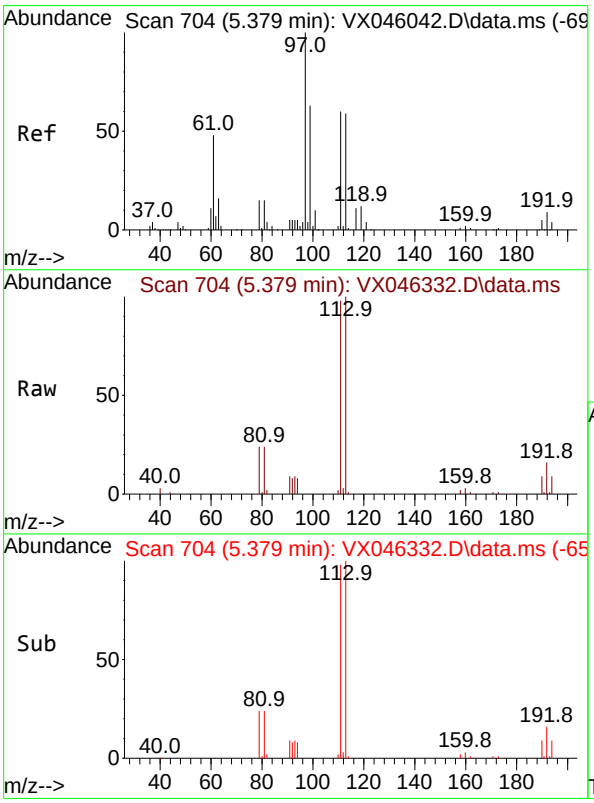
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

Tgt Ion:114 Resp: 117281

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	19.1	0.0	33.6

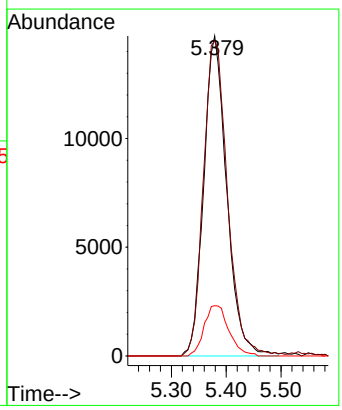


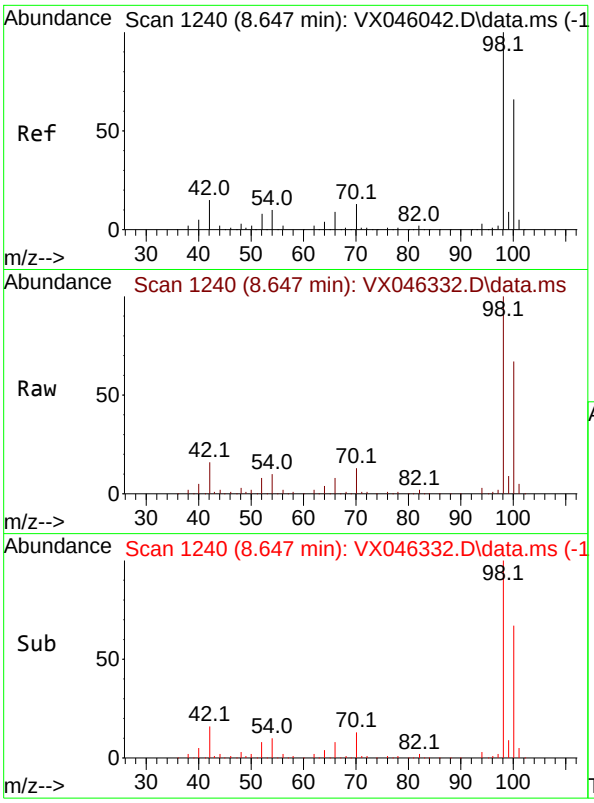


#35
Dibromofluoromethane
Concen: 50.783 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion:113 Resp: 42889

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	16.9	13.3	19.9



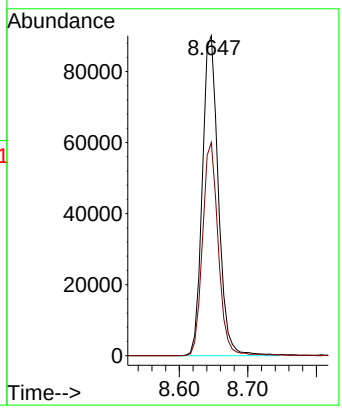


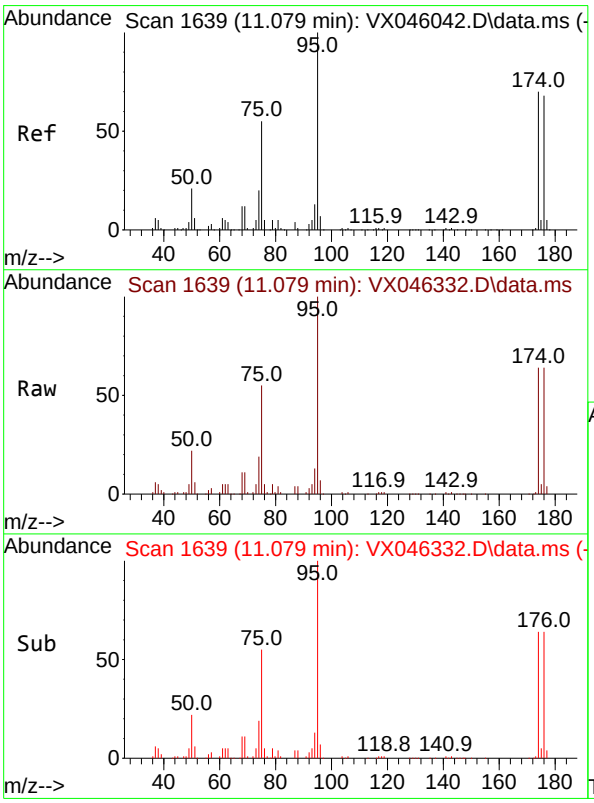
#50
Toluene-d8
Concen: 49.989 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

Tgt Ion: 98 Resp: 146121

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3

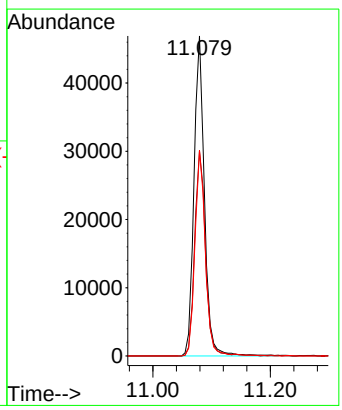


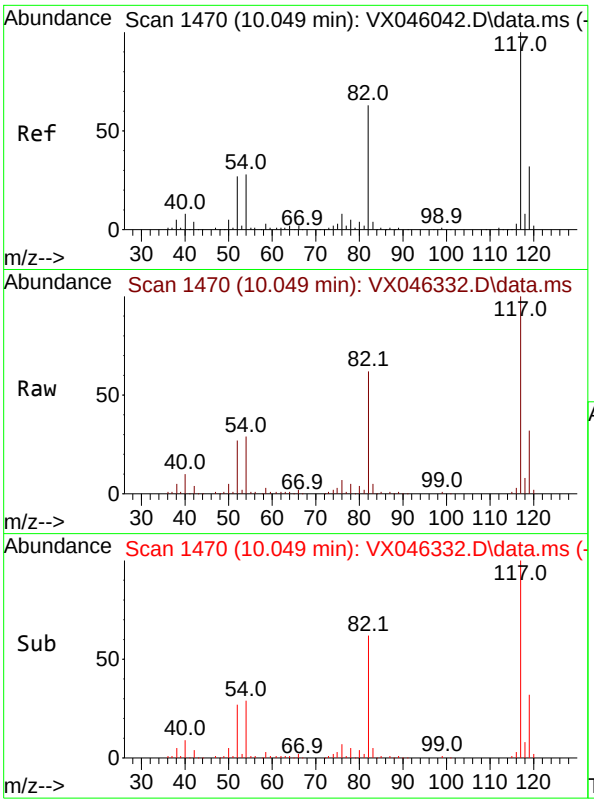


#62
4-Bromofluorobenzene
Concen: 51.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion: 95 Resp: 57871

Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	135.8
176	64.3	0.0	131.4



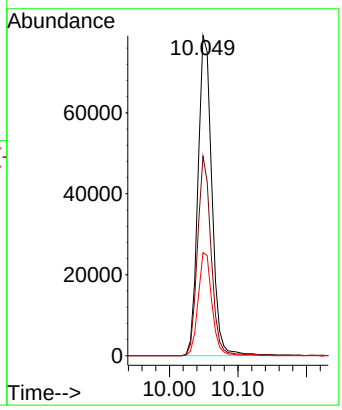


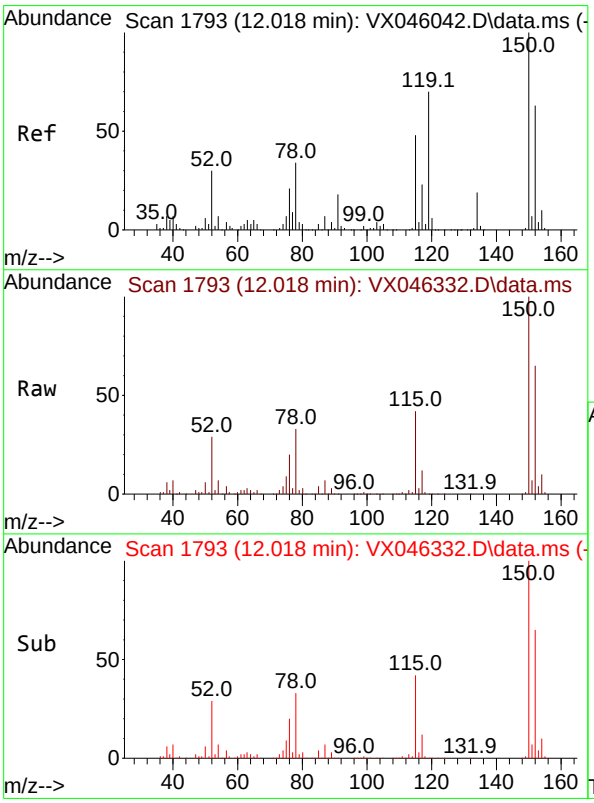
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBL01

Tgt Ion:117 Resp: 111918

Ion	Ratio	Lower	Upper
117	100		
82	62.3	50.6	76.0
119	32.2	25.8	38.6

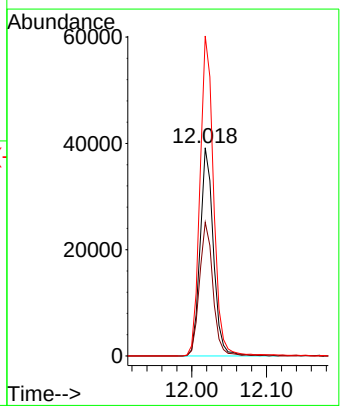




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046332.D
Acq: 23 May 2025 09:53

Tgt Ion:152 Resp: 48375

Ion	Ratio	Lower	Upper
152	100		
115	65.2	46.9	140.7
150	157.5	0.0	351.0



Raw Data: **VY022330.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0520SBL01	SDG No.:	Q2075
Lab Sample ID:	VY0520SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022330.D	1		05/20/25 09:48	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.00	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.6		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254000	7.707			
540-36-3	1,4-Difluorobenzene	453000	8.615			
3114-55-4	Chlorobenzene-d5	356000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Quant Time: May 21 01:43:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	253729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	453295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	124571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126632	45.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.340%			
35) Dibromofluoromethane	7.634	113	130811	48.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.700%			
50) Toluene-d8	10.109	98	538600	48.607	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.407	95	184563	52.549	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.100%			

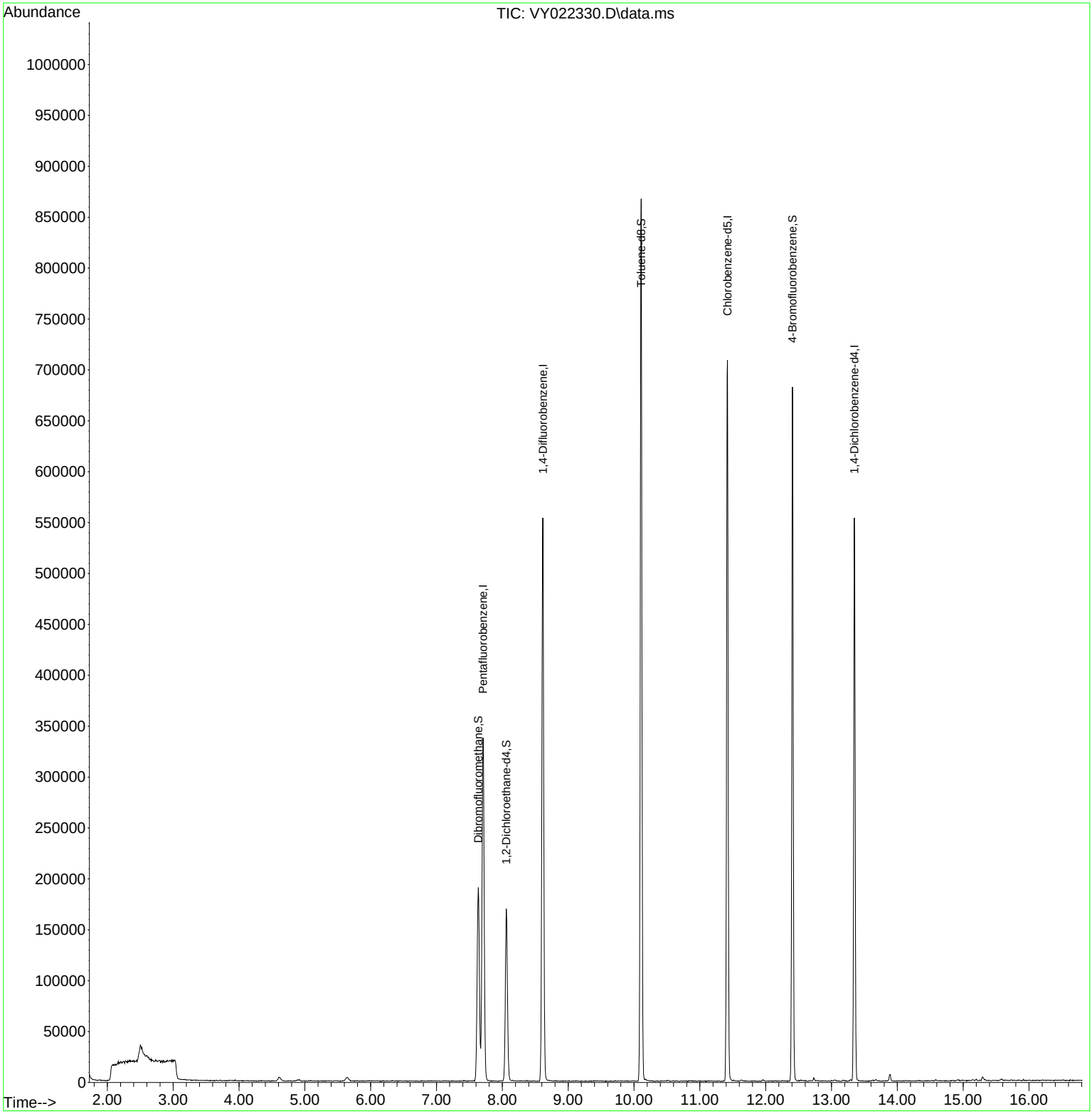
Target Compounds Qvalue

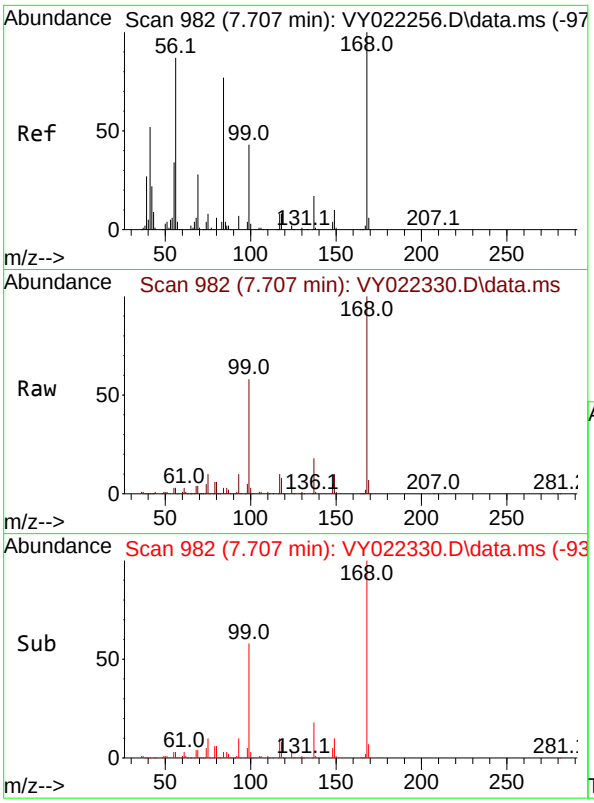
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022330.D
Acq On : 20 May 2025 09:48
Operator : SY/MD
Sample : VY0520SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Quant Time: May 21 01:43:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



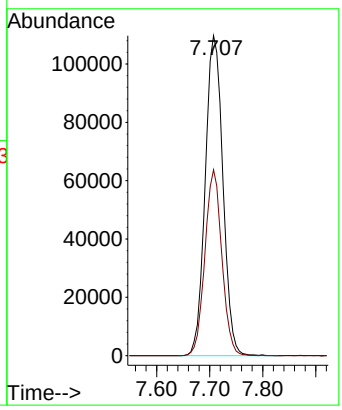


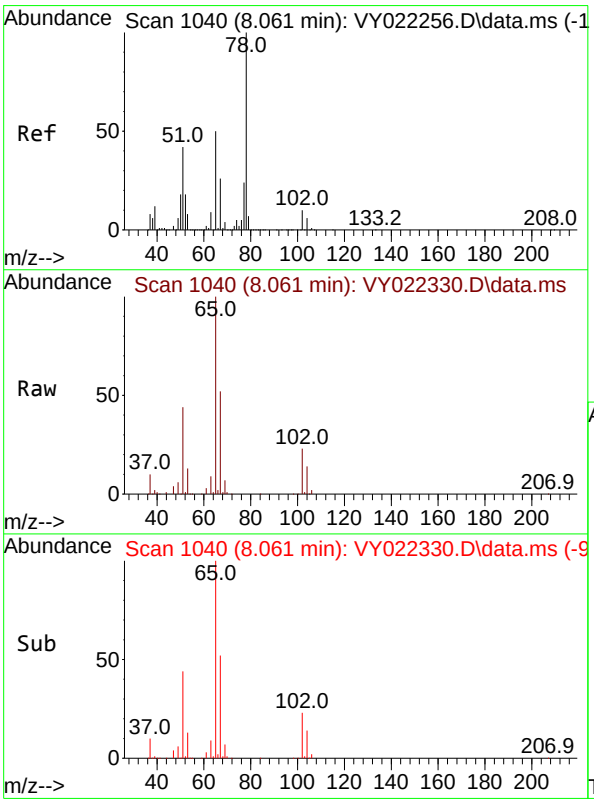
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion:168 Resp: 253729

Ion	Ratio	Lower	Upper
168	100		
99	58.1	44.2	66.4

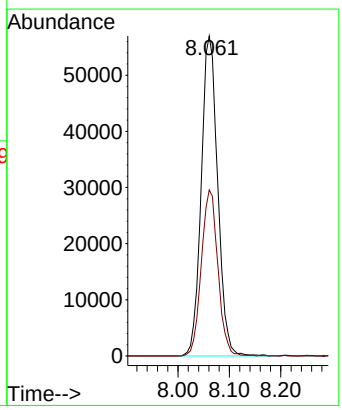


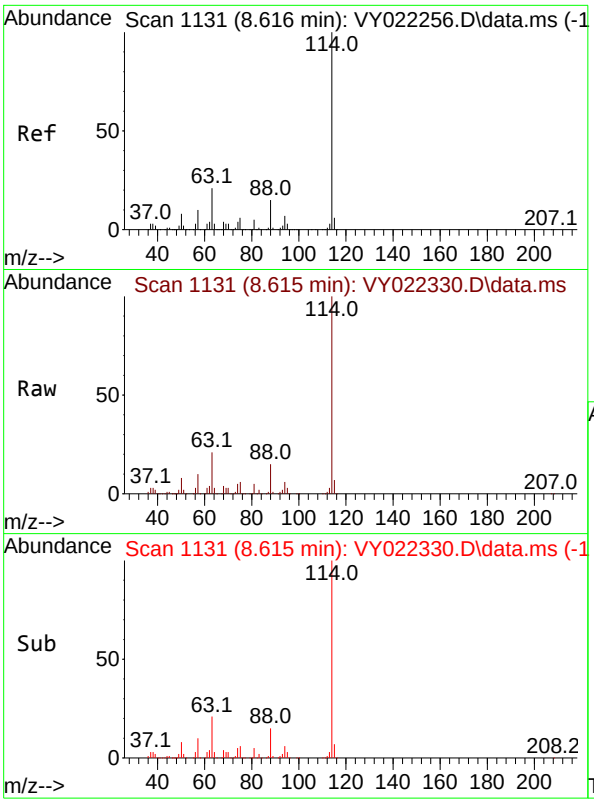


#33
1,2-Dichloroethane-d4
Concen: 45.666 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion: 65 Resp: 126632

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



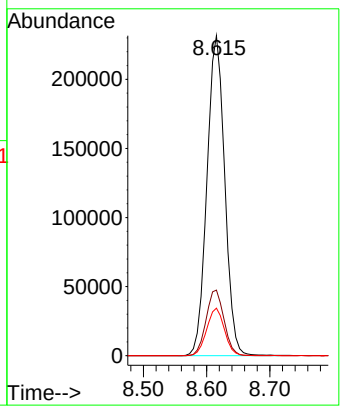


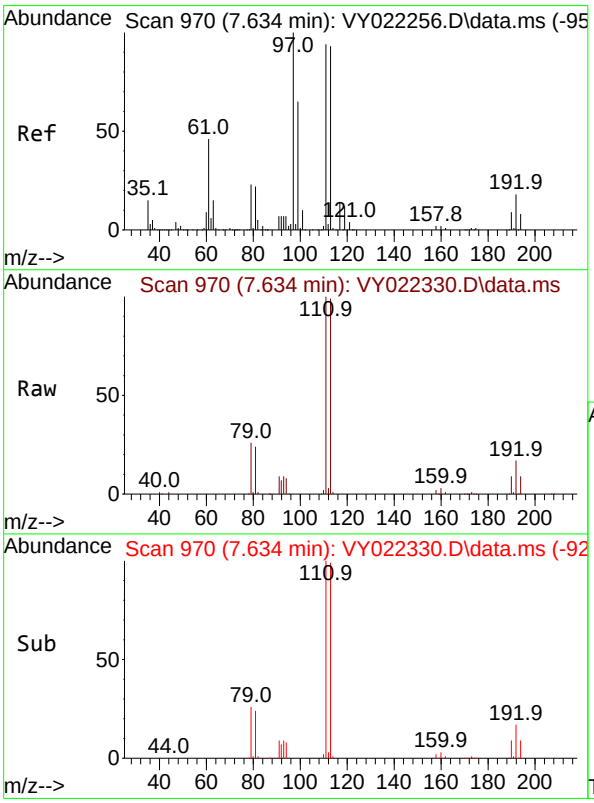
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion:114 Resp: 453295

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	14.9	0.0	29.4

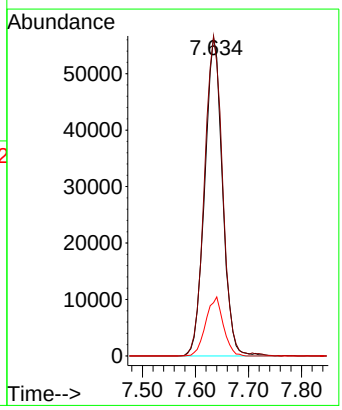


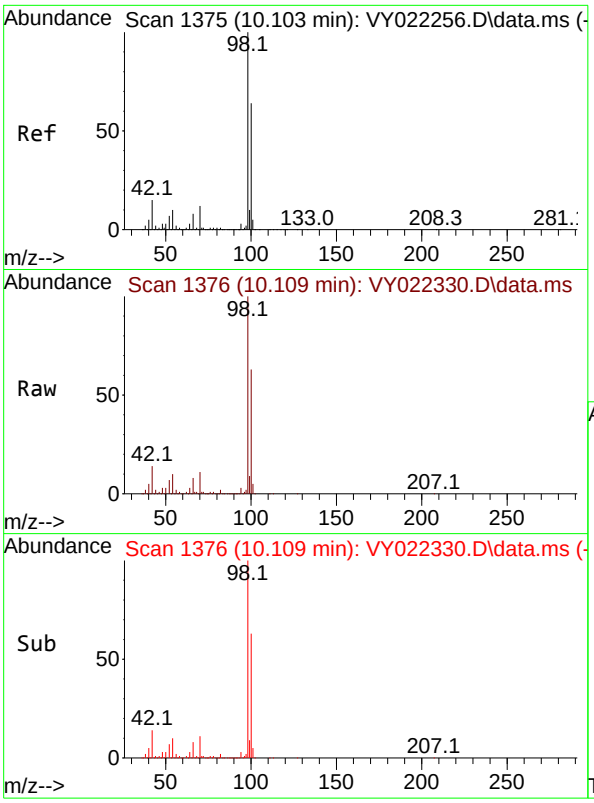


#35
Dibromofluoromethane
Concen: 48.349 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion:113 Resp: 130811

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	18.4	15.2	22.8



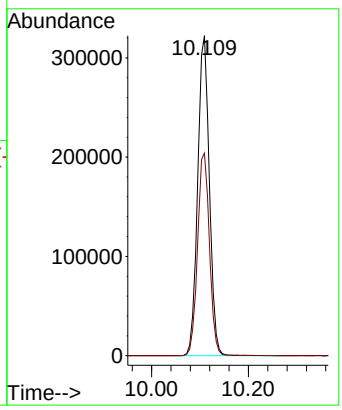


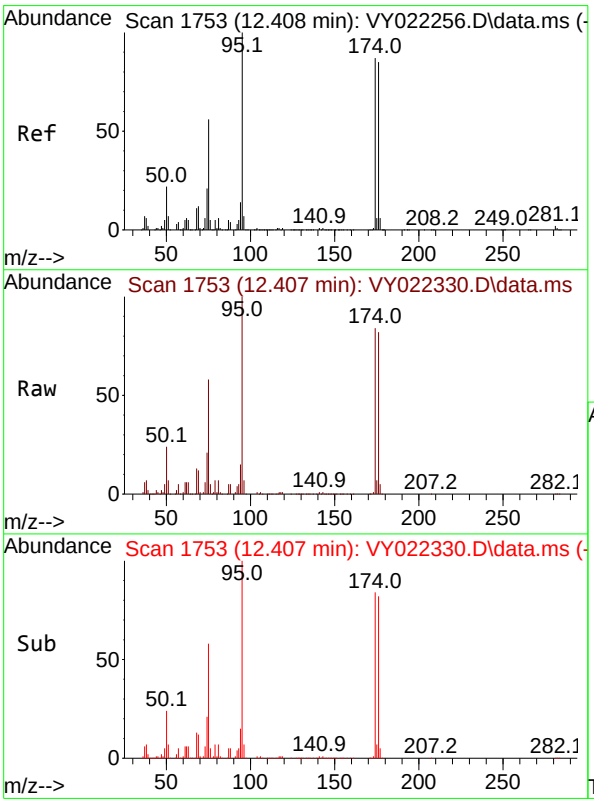
#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion: 98 Resp: 538600

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

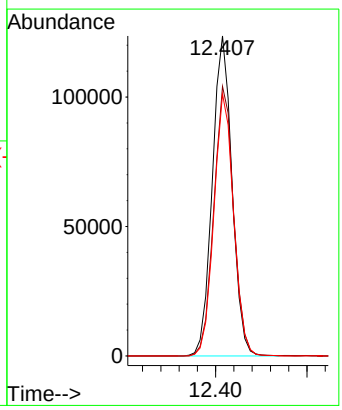


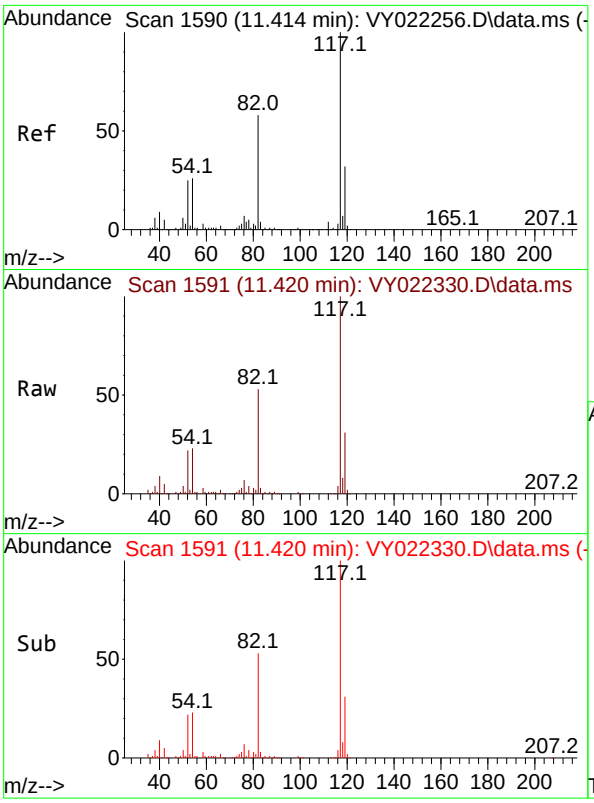


#62
4-Bromofluorobenzene
Concen: 52.549 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion: 95 Resp: 184563

Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	166.8
176	81.9	0.0	160.8



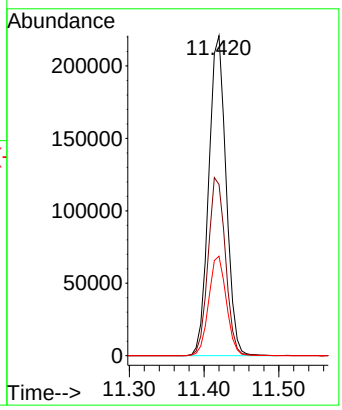


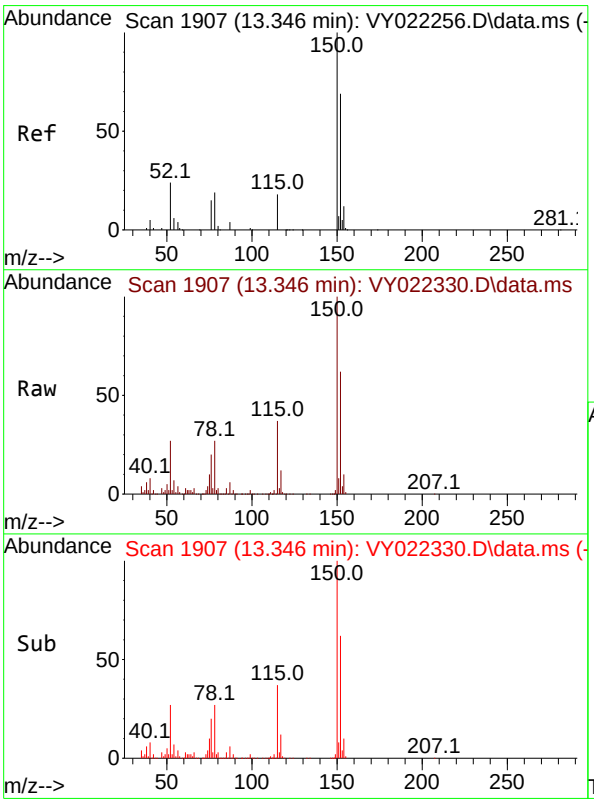
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBL01

Tgt Ion:117 Resp: 355808

Ion	Ratio	Lower	Upper
117	100		
82	53.5	46.6	70.0
119	31.1	25.8	38.6

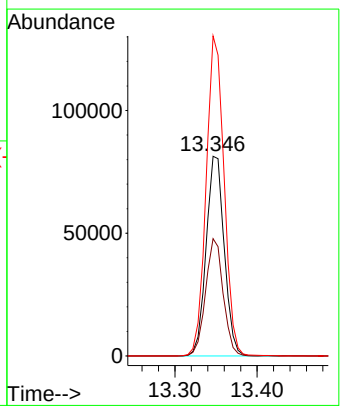




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022330.D
Acq: 20 May 2025 09:48

Tgt Ion:152 Resp: 124571

Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.4	88.2
150	158.5	0.0	353.8



Raw Data: **VY022381.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0522SBL01	SDG No.:	Q2075
Lab Sample ID:	VY0522SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022381.D	1		05/22/25 09:07	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	5.00	U	0.79	5.00	ug/Kg
108-88-3	Toluene	5.00	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	15.0	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	5.00	U	0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	5.00	U	0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	5.00	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	5.00	U	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	5.00	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	5.00	U	0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	5.00	U	1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	48.7		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	7.719			
540-36-3	1,4-Difluorobenzene	466000	8.622			
3114-55-4	Chlorobenzene-d5	376000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.353			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022381.D
Acq On : 22 May 2025 09:07
Operator : SY/MD
Sample : VY0522SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Quant Time: May 23 03:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	263712	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	465826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	376365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	137350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	140906	48.890	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.780%			
35) Dibromofluoromethane	7.646	113	138461	49.800	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.600%			
50) Toluene-d8	10.115	98	554254	48.674	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.408	95	142658	39.525	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.060%			

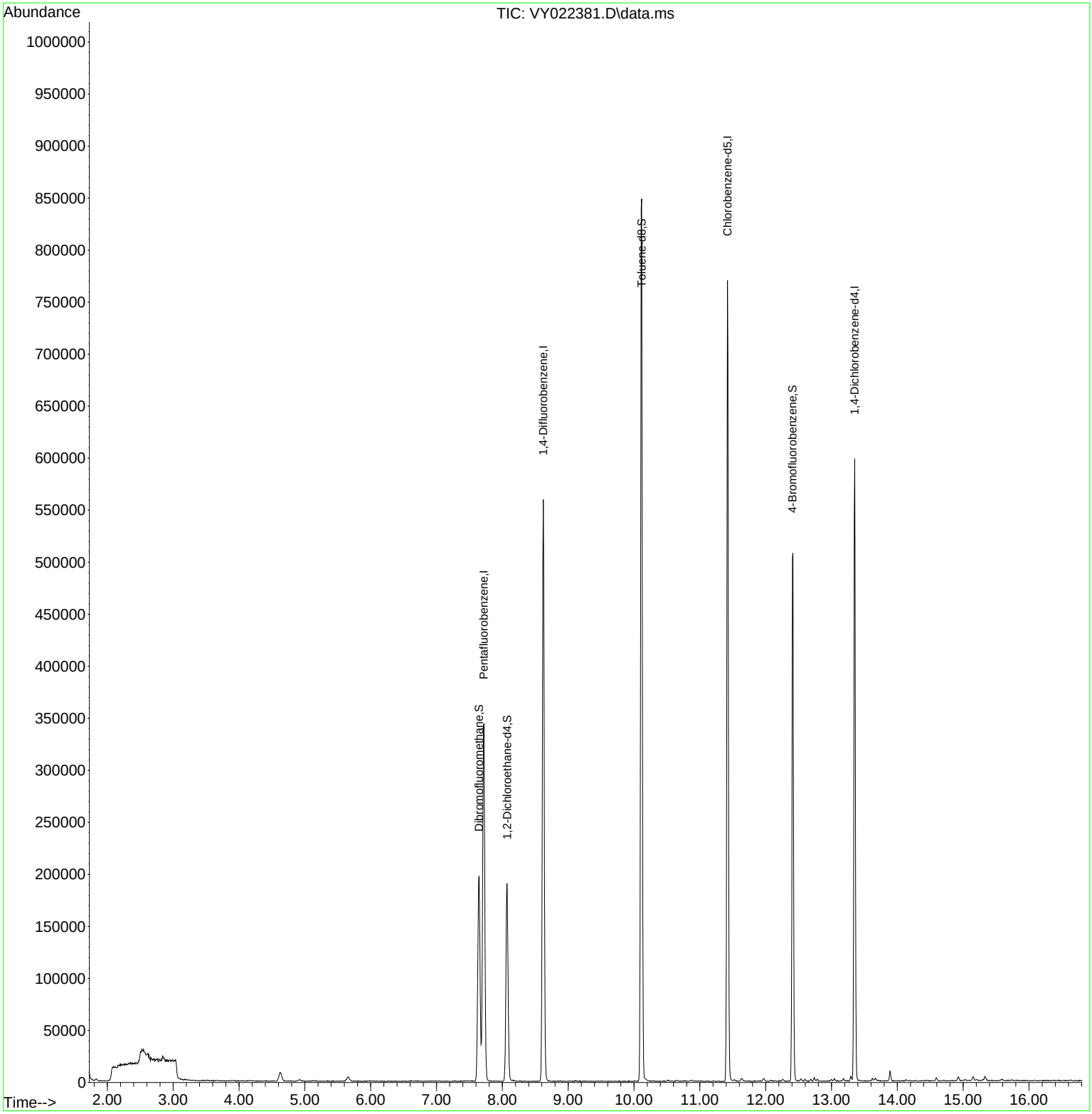
Target Compounds Qvalue

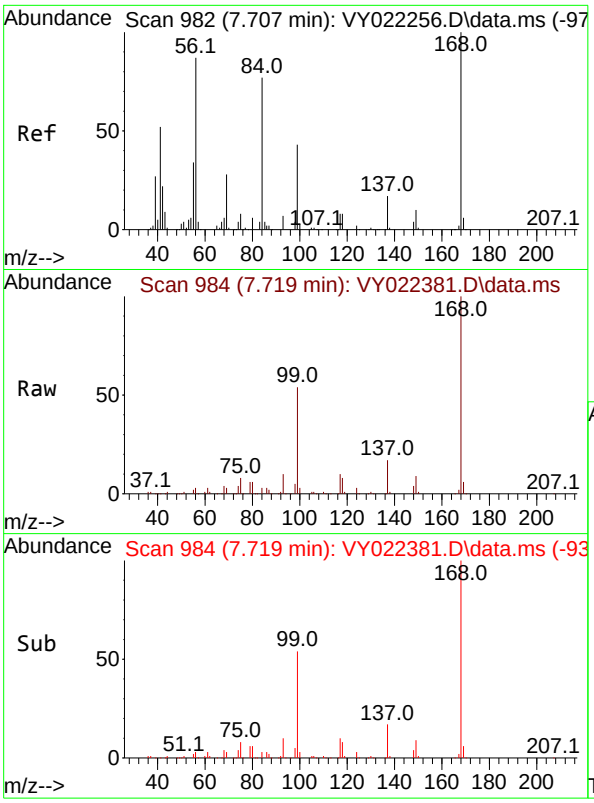
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022381.D
Acq On : 22 May 2025 09:07
Operator : SY/MD
Sample : VY0522SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Quant Time: May 23 03:31:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



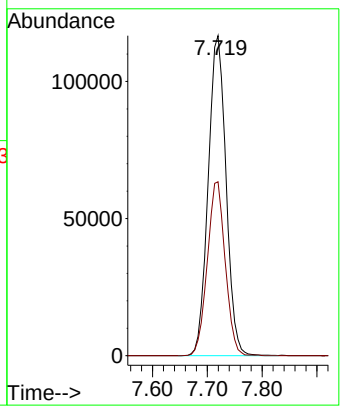


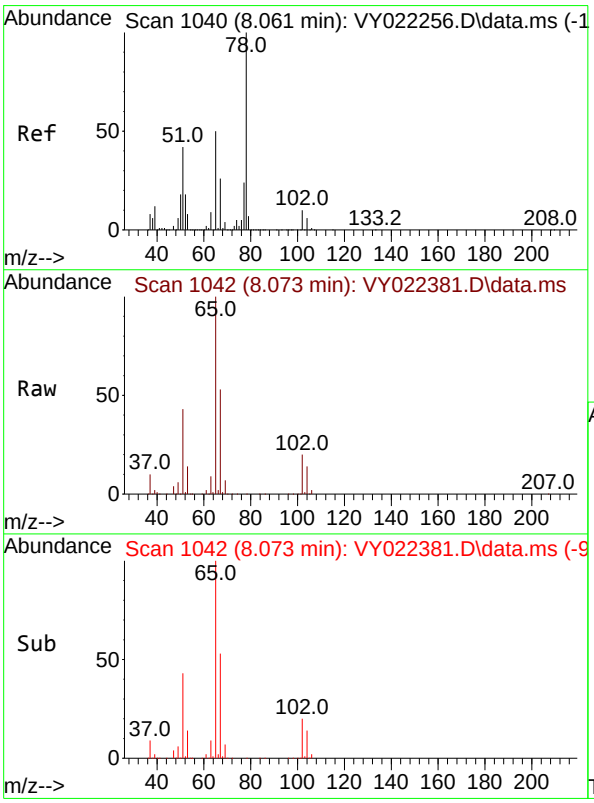
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Tgt Ion:168 Resp: 263712

Ion	Ratio	Lower	Upper
168	100		
99	54.4	44.2	66.4

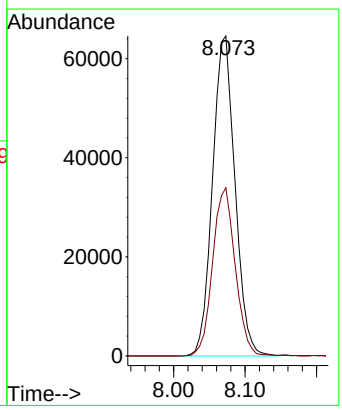


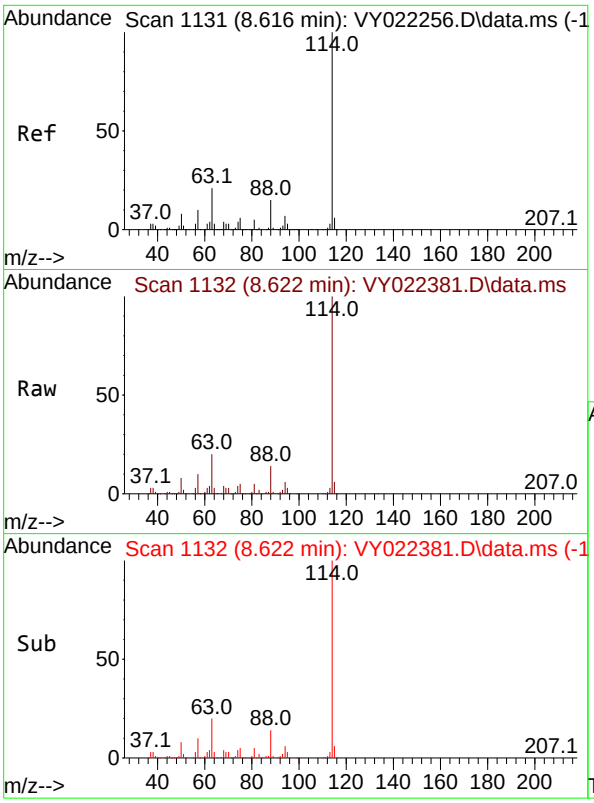


#33
1,2-Dichloroethane-d4
Concen: 48.890 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Tgt Ion: 65 Resp: 140906

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6



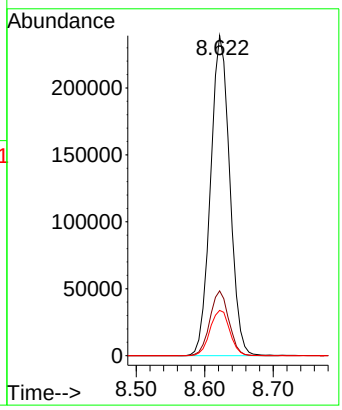


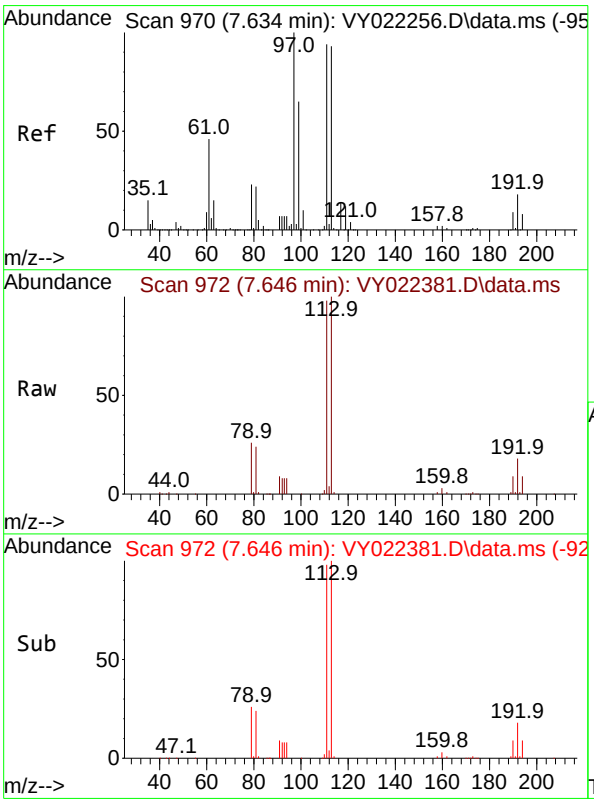
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Tgt Ion:114 Resp: 465826

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.0
88	14.1	0.0	29.4

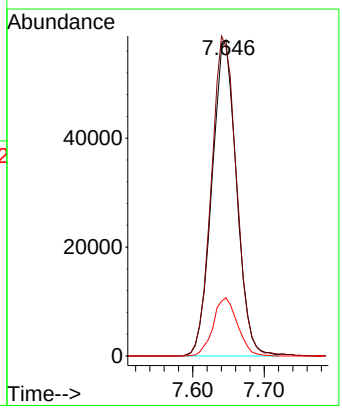


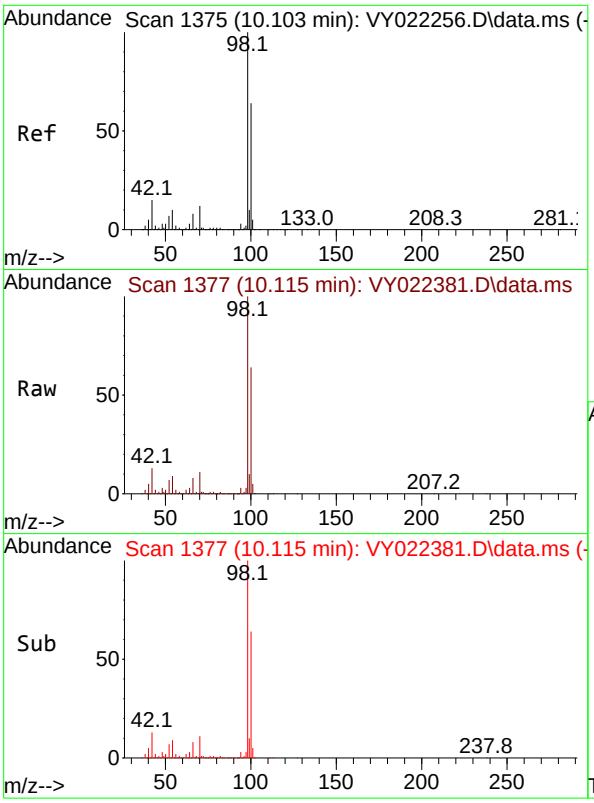


#35
Dibromofluoromethane
Concen: 49.800 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Tgt Ion:113 Resp: 138461

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	18.2	15.2	22.8



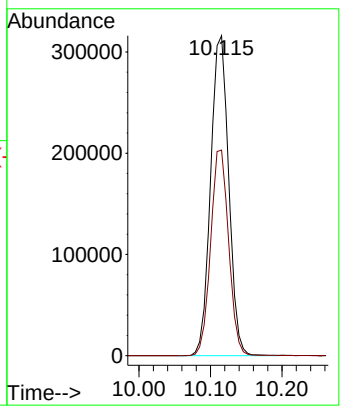


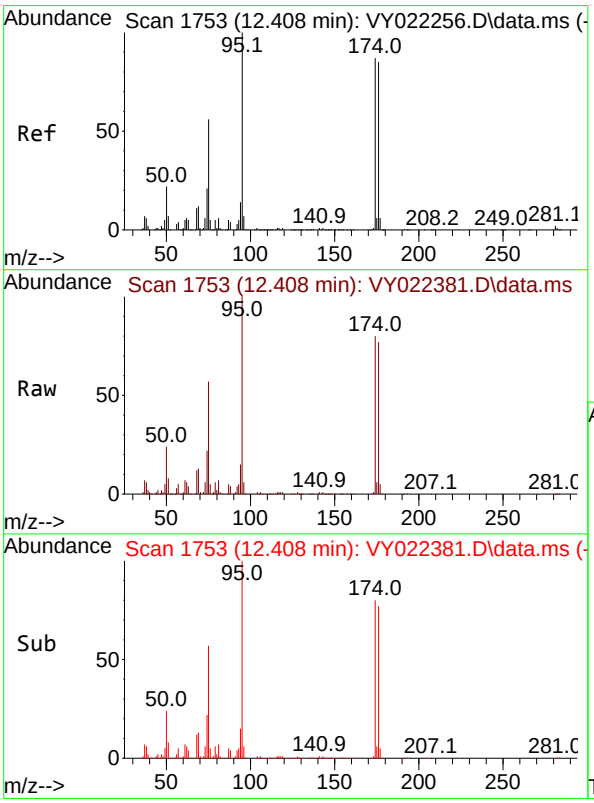
#50
Toluene-d8
Concen: 48.674 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Tgt Ion: 98 Resp: 554254

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.8	77.8

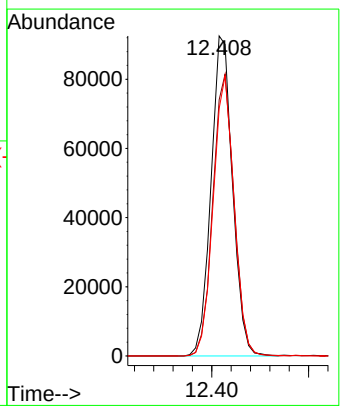


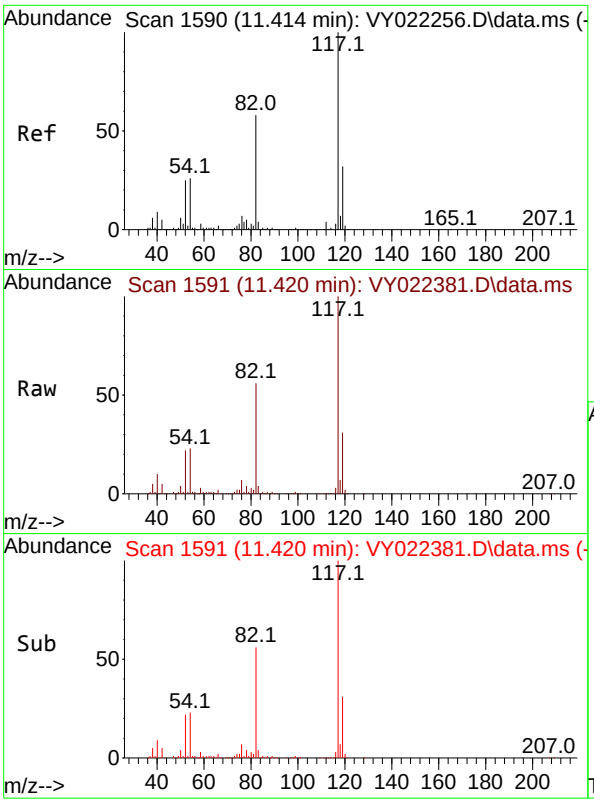


#62
4-Bromofluorobenzene
Concen: 39.525 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Tgt Ion: 95 Resp: 142658

Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	166.8
176	85.2	0.0	160.8



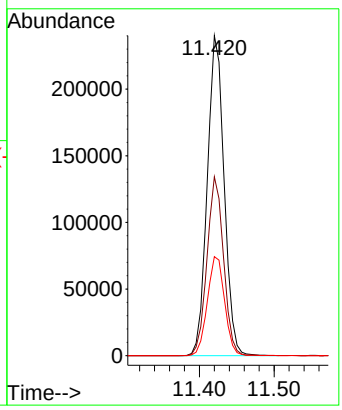


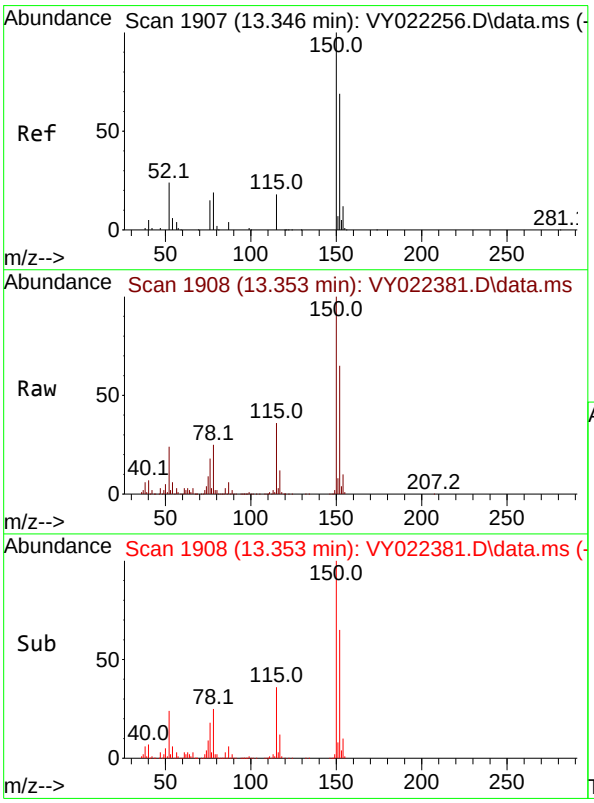
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBL01

Tgt Ion:117 Resp: 376365

Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.6	70.0
119	31.0	25.8	38.6

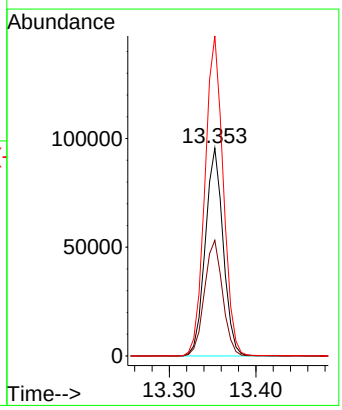




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022381.D
Acq: 22 May 2025 09:07

Tgt Ion:152 Resp: 137350

Ion	Ratio	Lower	Upper
152	100		
115	56.5	29.4	88.2
150	157.1	0.0	353.8



Raw Data: **VX046287.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0521WBS01	SDG No.:	Q2075
Lab Sample ID:	VX0521WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046287.D	1		05/21/25 11:09	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	20.3		0.15	1.00	ug/L
108-88-3	Toluene	20.5		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.13	1.00	ug/L
1330-20-7	Total Xylenes	61.2		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	1.00	ug/L
103-65-1	n-propylbenzene	20.4		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.1		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	20.2		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.7		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	20.3		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.5		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	19.7		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	52.4		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83100	5.544			
540-36-3	1,4-Difluorobenzene	147000	6.757			
3114-55-4	Chlorobenzene-d5	130000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	62700	12.018			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83120	53.650	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.300%			
35) Dibromofluoromethane	5.379	113	57372	54.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.620%			
50) Toluene-d8	8.647	98	191524	52.383	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.760%			
62) 4-Bromofluorobenzene	11.079	95	77180	55.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25585	20.115	ug/l	99
3) Chloromethane	1.307	50	24302	19.702	ug/l	96
4) Vinyl Chloride	1.374	62	21796	18.987	ug/l	100
5) Bromomethane	1.593	94	10421	19.572	ug/l	100
6) Chloroethane	1.666	64	12767	20.833	ug/l	97
7) Trichlorofluoromethane	1.874	101	34095	20.096	ug/l	98
8) Diethyl Ether	2.136	74	10749	18.611	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	20578	19.599	ug/l	97
10) Methyl Iodide	2.441	142	22245	17.906	ug/l	98
11) Tert butyl alcohol	2.983	59	23847	109.655	ug/l	97
12) 1,1-Dichloroethene	2.307	96	18532	18.807	ug/l	93
13) Acrolein	2.239	56	25808	104.204	ug/l	99
14) Allyl chloride	2.660	41	38072	20.216	ug/l	98
15) Acrylonitrile	3.062	53	66609	107.114	ug/l	99
16) Acetone	2.386	43	63974	102.986	ug/l	100
17) Carbon Disulfide	2.502	76	36554	15.647	ug/l	99
18) Methyl Acetate	2.703	43	35517	24.639	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	71064	20.570	ug/l	99
20) Methylene Chloride	2.782	84	23422	19.676	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19275	19.451	ug/l	99
22) Diisopropyl ether	3.764	45	76439	21.013	ug/l	97
23) Vinyl Acetate	3.721	43	322692	100.856	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42066	20.762	ug/l	99
25) 2-Butanone	4.562	43	97290	107.880	ug/l	99
26) 2,2-Dichloropropane	4.471	77	31778	20.038	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23744	19.904	ug/l	97
28) Bromochloromethane	4.891	49	22159	22.721	ug/l	99
29) Tetrahydrofuran	5.007	42	60349	106.791	ug/l	98
30) Chloroform	5.093	83	44097	20.880	ug/l	99
31) Cyclohexane	5.458	56	34669	18.777	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37552	20.513	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27419	19.318	ug/l	99
37) Ethyl Acetate	4.721	43	34479	19.662	ug/l	99
38) Carbon Tetrachloride	5.666	117	32466	20.358	ug/l	97
39) Methylcyclohexane	7.373	83	33218	18.179	ug/l	93
40) Benzene	6.031	78	84417	20.305	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20114	21.927	ug/l		98
42) 1,2-Dichloroethane	6.086	62	37731	21.028	ug/l		100
43) Isopropyl Acetate	6.342	43	55970	20.922	ug/l		99
44) Trichloroethene	7.123	130	20154	20.142	ug/l		100
45) 1,2-Dichloropropane	7.428	63	21399	20.700	ug/l		97
46) Dibromomethane	7.580	93	16727	20.515	ug/l		99
47) Bromodichloromethane	7.818	83	33537	20.884	ug/l		94
48) Methyl methacrylate	7.696	41	29912	21.893	ug/l		96
49) 1,4-Dioxane	7.665	88	11979	461.769	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	197911	111.451	ug/l		97
52) Toluene	8.714	92	52243	20.494	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28454	19.935	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32181	20.399	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	21758	21.646	ug/l		98
56) Ethyl methacrylate	9.116	69	34485	21.526	ug/l		98
57) 1,3-Dichloropropane	9.305	76	37670	20.867	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	90048	110.253	ug/l		98
59) 2-Hexanone	9.427	43	146892	111.809	ug/l		98
60) Dibromochloromethane	9.519	129	23698	21.467	ug/l		98
61) 1,2-Dibromoethane	9.610	107	21985	21.044	ug/l		97
64) Tetrachloroethene	9.269	164	18888	20.459	ug/l		92
65) Chlorobenzene	10.079	112	56582	19.813	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19817	20.321	ug/l		97
67) Ethyl Benzene	10.189	91	101041	20.071	ug/l		99
68) m/p-Xylenes	10.299	106	74216	40.309	ug/l		96
69) o-Xylene	10.640	106	37483	20.882	ug/l		99
70) Styrene	10.653	104	62320	21.194	ug/l		99
71) Bromoform	10.799	173	14595	19.934	ug/l	#	96
73) Isopropylbenzene	10.963	105	99407	20.380	ug/l		100
74) N-amyl acetate	10.842	43	48670	20.193	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34915	20.427	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30189m	20.019	ug/l		
77) Bromobenzene	11.195	156	22971	20.285	ug/l		99
78) n-propylbenzene	11.299	91	115726	20.405	ug/l		99
79) 2-Chlorotoluene	11.360	91	74331	20.320	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	85859	21.070	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8934	19.287	ug/l		97
82) 4-Chlorotoluene	11.451	91	83363	20.550	ug/l		99
83) tert-Butylbenzene	11.713	119	82945	20.208	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	85525	20.726	ug/l		99
85) sec-Butylbenzene	11.890	105	102551	20.349	ug/l		99
86) p-Isopropyltoluene	12.006	119	85338	20.514	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	42301	20.468	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	41784	19.797	ug/l		98
89) n-Butylbenzene	12.329	91	71724	19.656	ug/l		99
90) Hexachloroethane	12.536	117	14306	19.520	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	42574	20.529	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7860	20.757	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22376	18.785	ug/l		99
94) Hexachlorobutadiene	13.725	225	10458	20.103	ug/l		97
95) Naphthalene	13.774	128	83835	19.190	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24092	19.602	ug/l		99

Sample Results: **VX046287.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

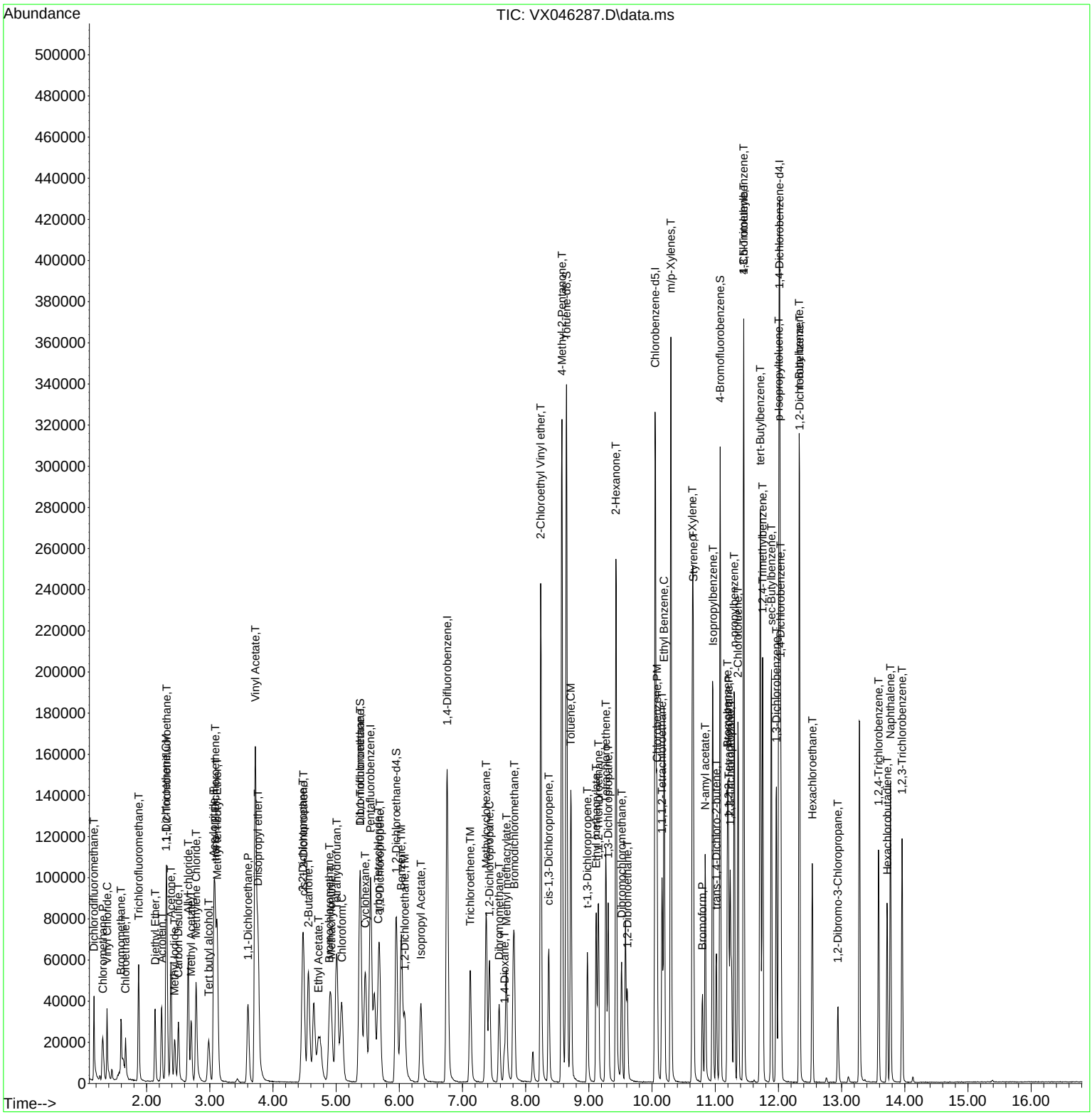
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

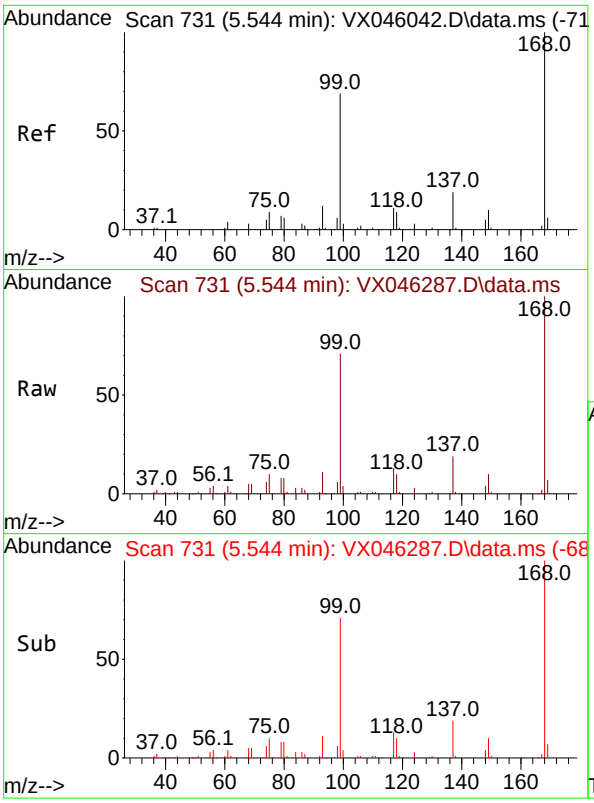
Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

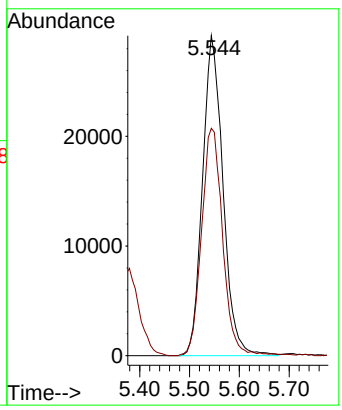




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:168 Resp: 8310

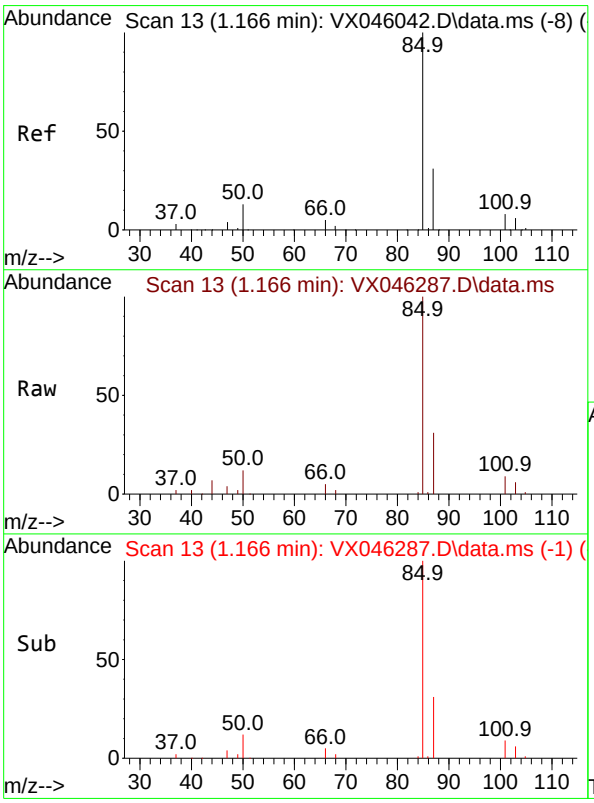
Ion	Ratio	Lower	Upper
168	100		
99	71.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

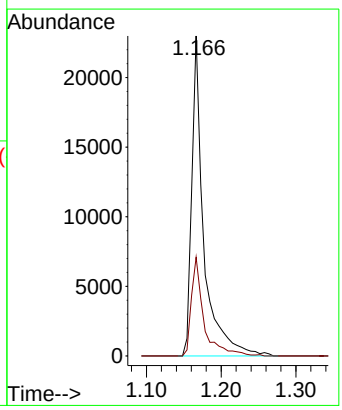
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

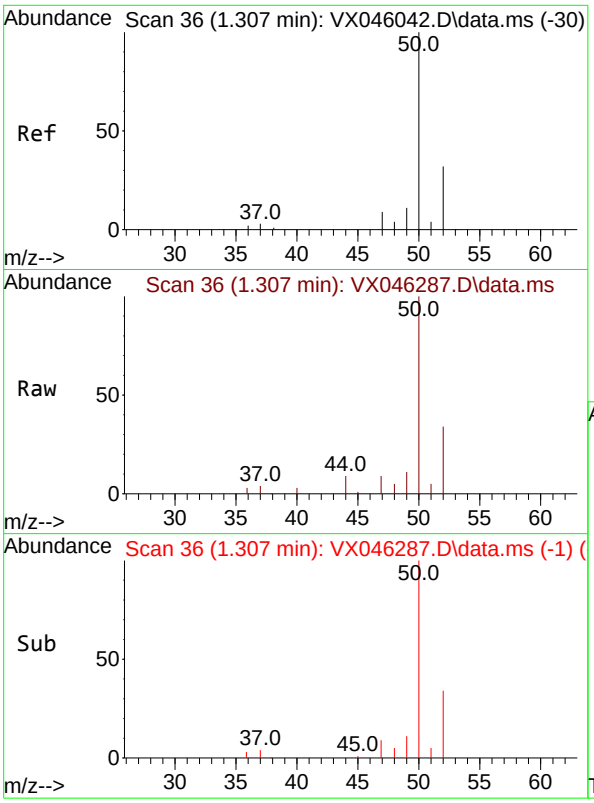


#2
Dichlorodifluoromethane
Concen: 20.115 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 85 Resp: 25585

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1

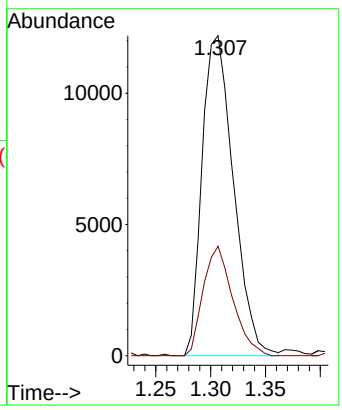




#3
Chloromethane
Concen: 19.702 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 50 Resp: 2430

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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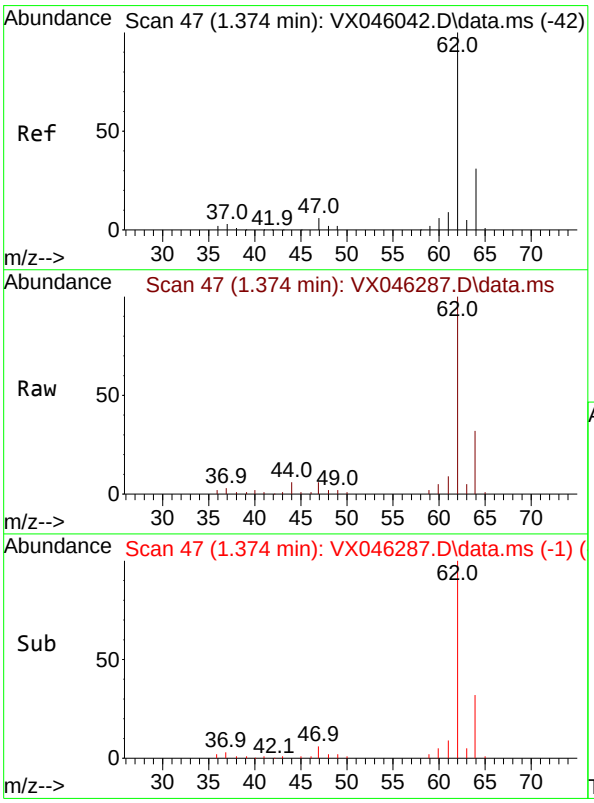
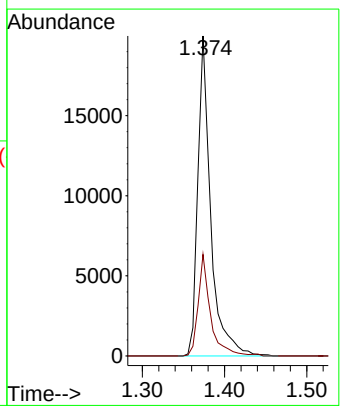
Supervised By :Mahesh Dadoda 05/22/2025

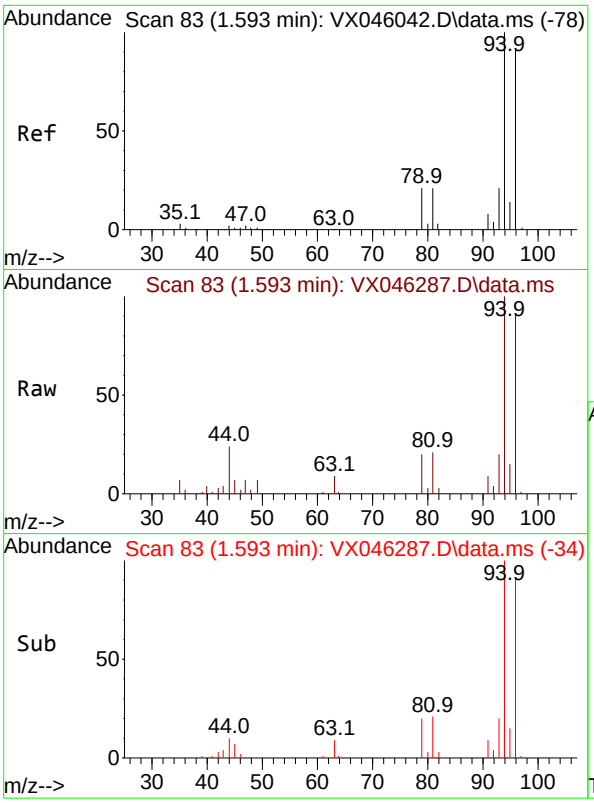


#4
Vinyl Chloride
Concen: 18.987 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 62 Resp: 21796

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.2	37.8





#5
Bromomethane
Concen: 19.572 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 94 Resp: 1042

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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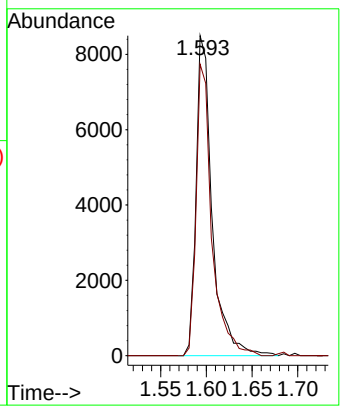
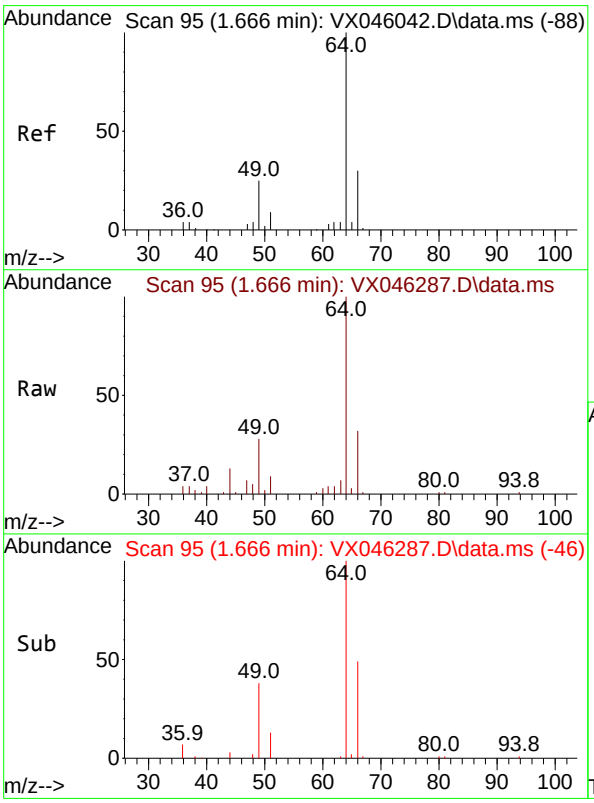
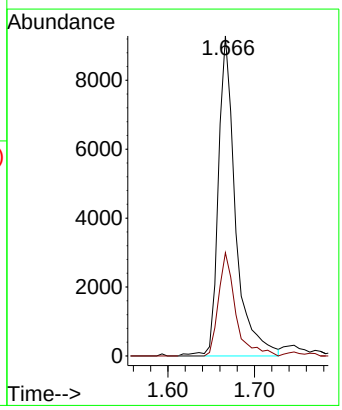


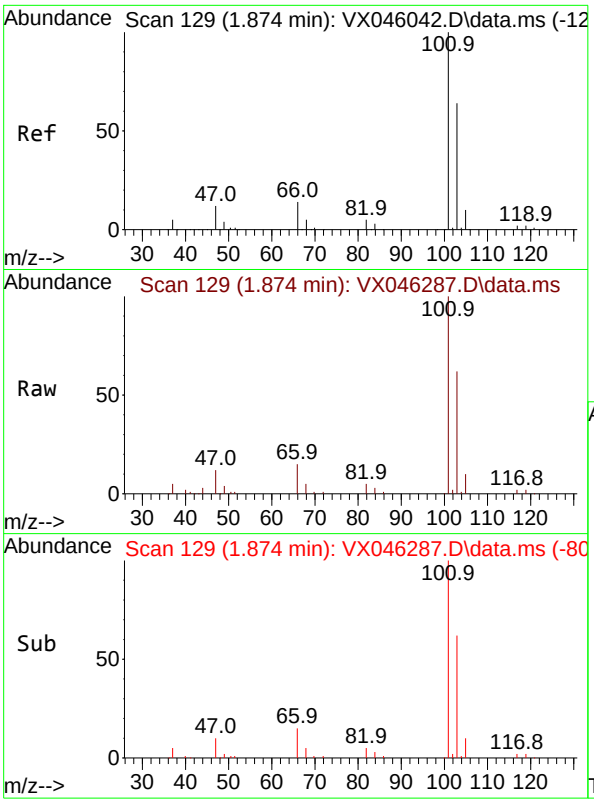


#6
Chloroethane
Concen: 20.833 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 64 Resp: 12767

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.3	36.5

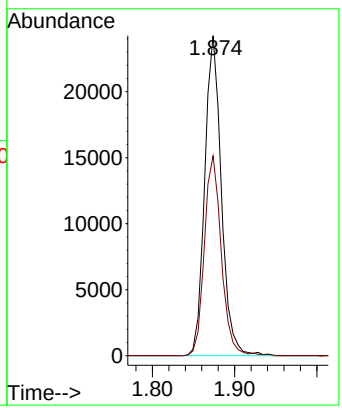




#7
Trichlorofluoromethane
Concen: 20.096 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:101 Resp: 3409

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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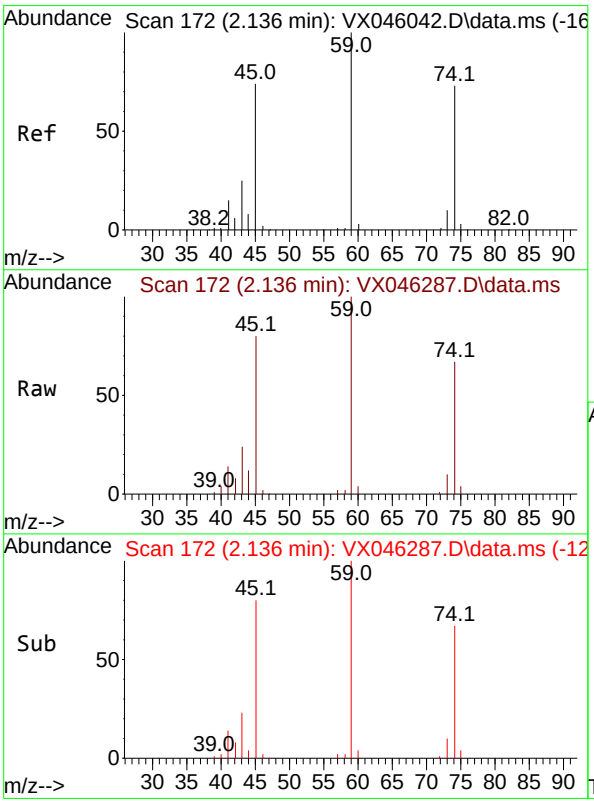
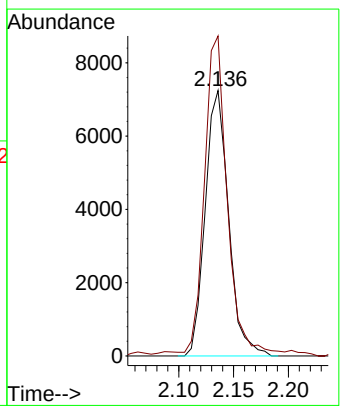
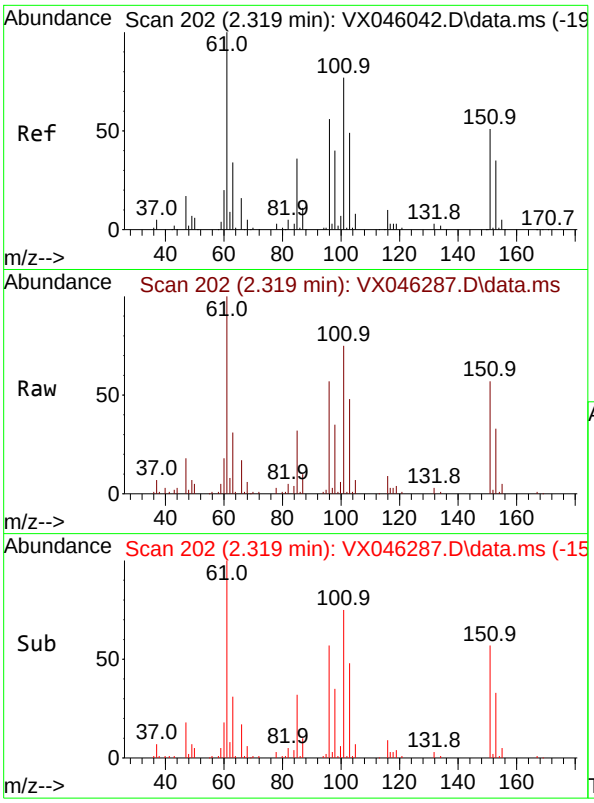


#8
Diethyl Ether
Concen: 18.611 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 74 Resp: 10749

Ion	Ratio	Lower	Upper
74	100		
45	120.9	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.599 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:101 Resp: 2057

Ion	Ratio	Lower	Upper
101	100		
85	47.0	38.6	58.0
151	72.4	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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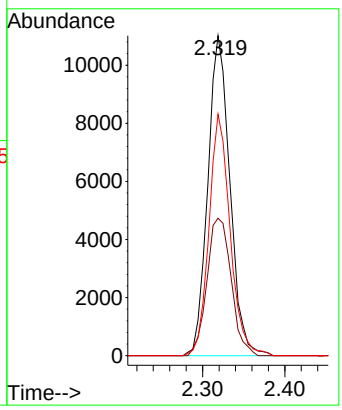
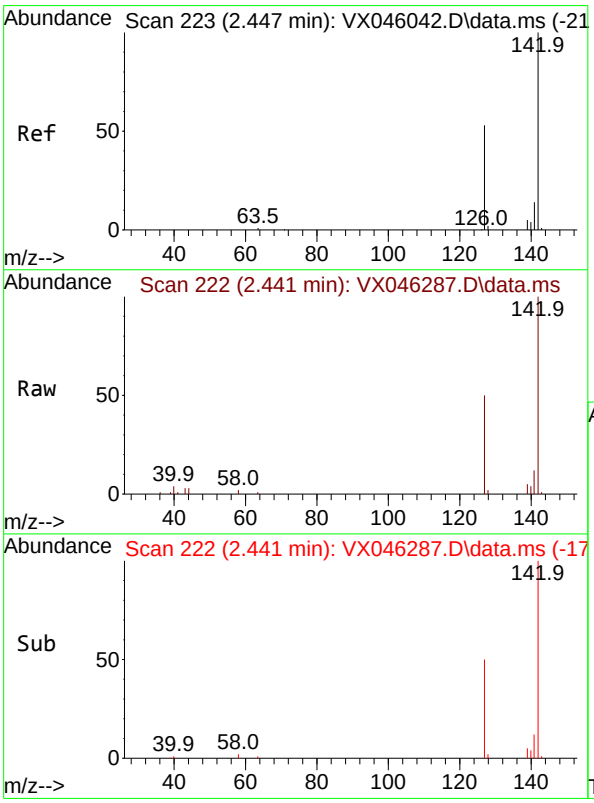
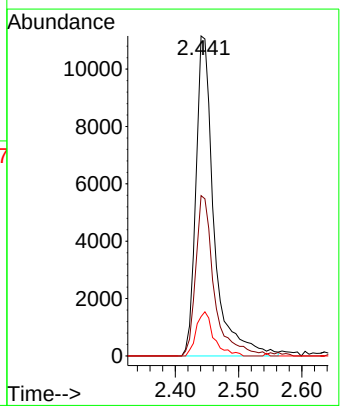


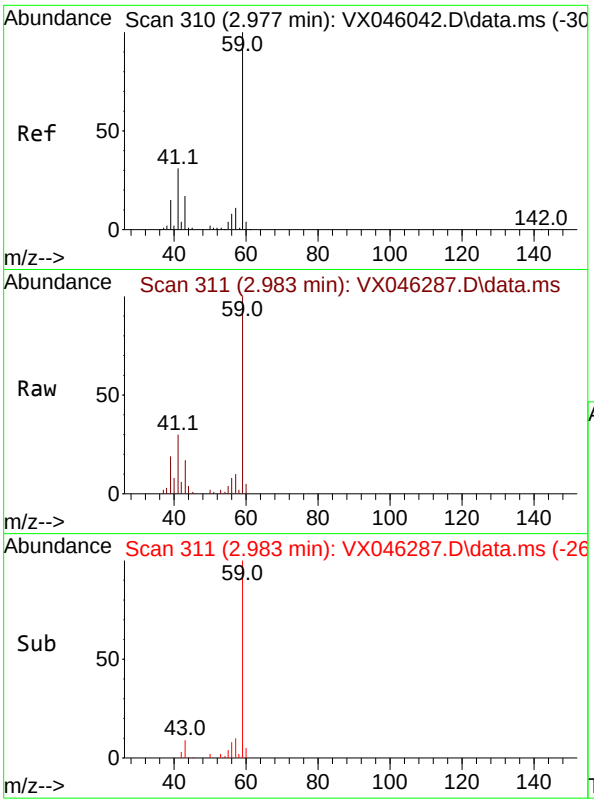


#10
Methyl Iodide
Concen: 17.906 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:142 Resp: 22245

Ion	Ratio	Lower	Upper
142	100		
127	51.0	41.7	62.5
141	13.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 109.655 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 59 Resp: 2384

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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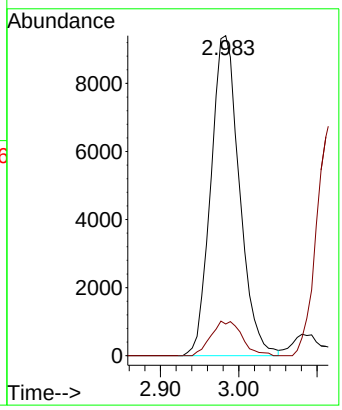
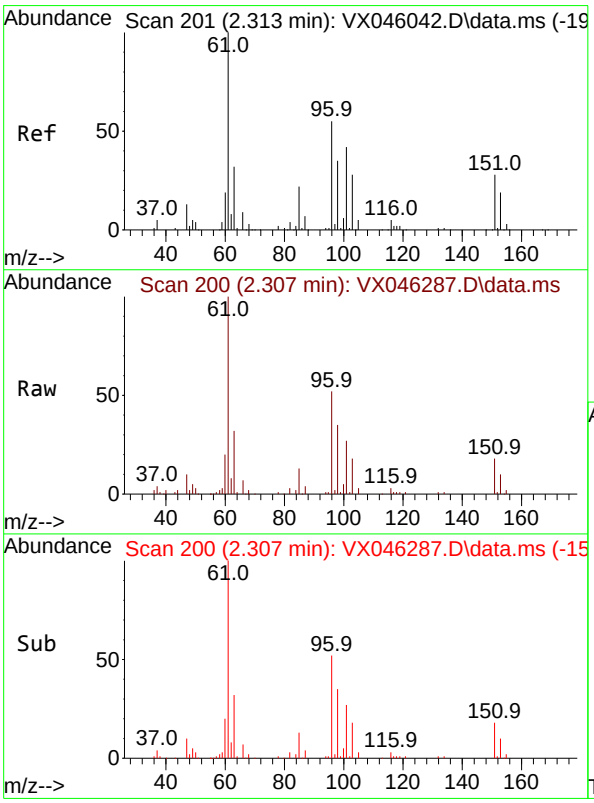
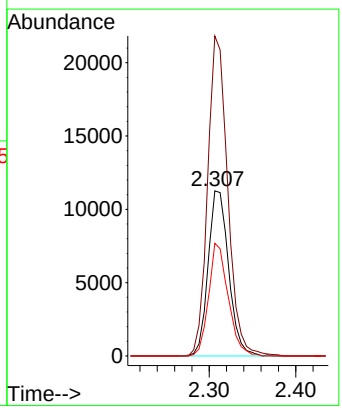


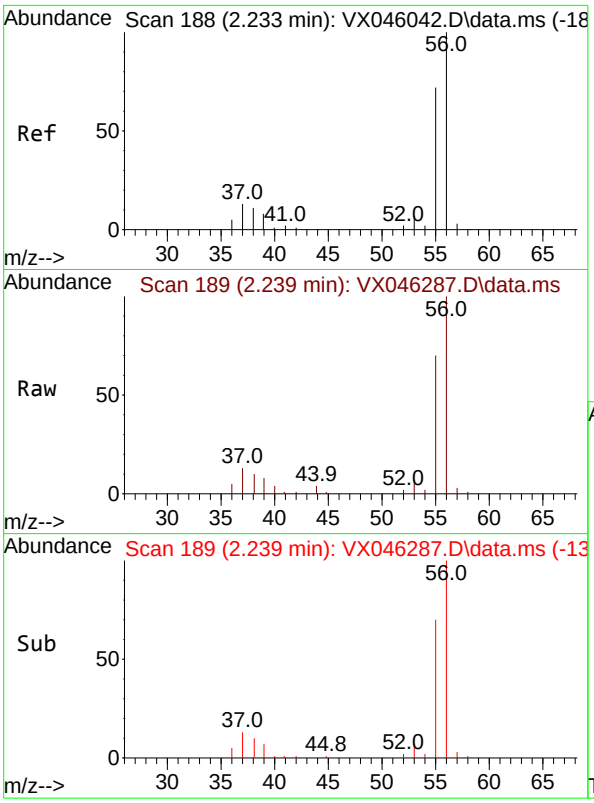


#12
1,1-Dichloroethene
Concen: 18.807 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 96 Resp: 18532

Ion	Ratio	Lower	Upper
96	100		
61	193.7	146.2	219.2
98	68.2	51.0	76.6

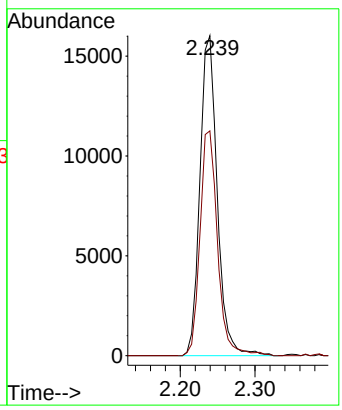




#13
Acrolein
Concen: 104.204 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 56 Resp: 2580

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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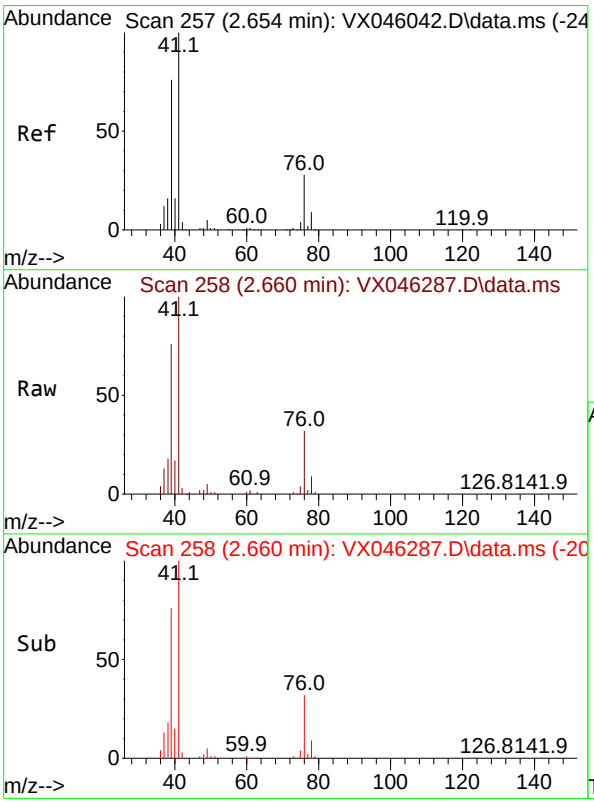
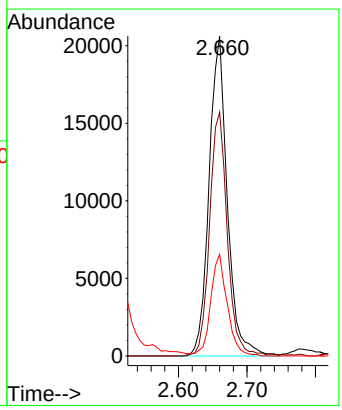
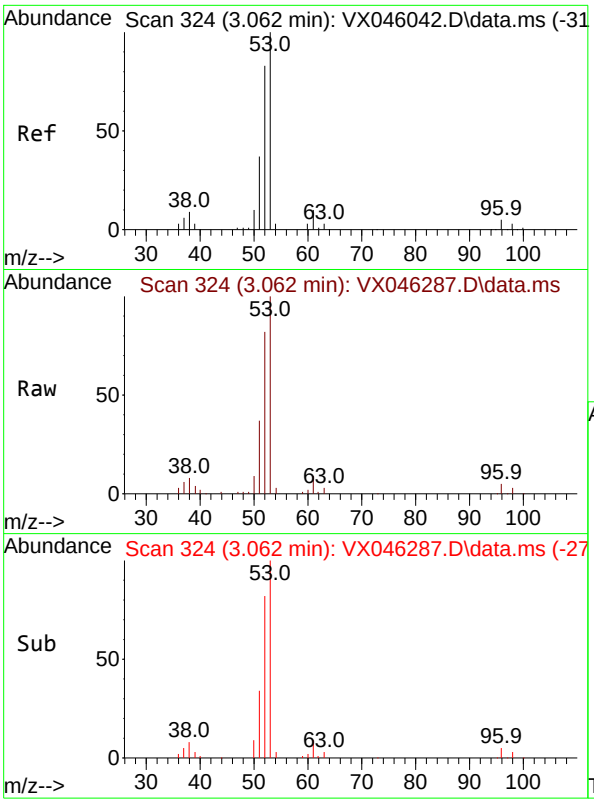


#14
Allyl chloride
Concen: 20.216 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 38072

Ion	Ratio	Lower	Upper
41	100		
39	74.1	60.6	90.8
76	28.9	24.9	37.3

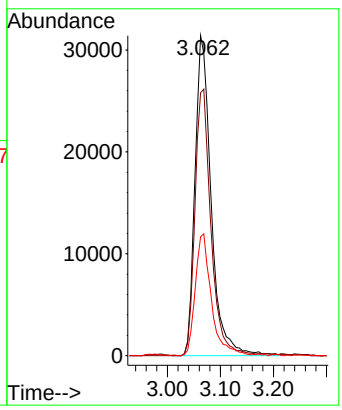




#15
Acrylonitrile
Concen: 107.114 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 53 Resp: 6660

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.3	97.9
51	38.0	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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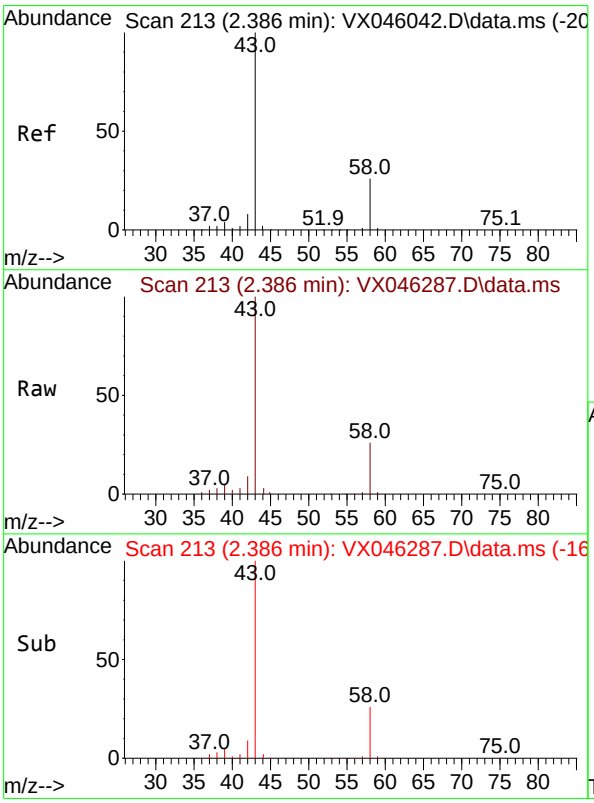
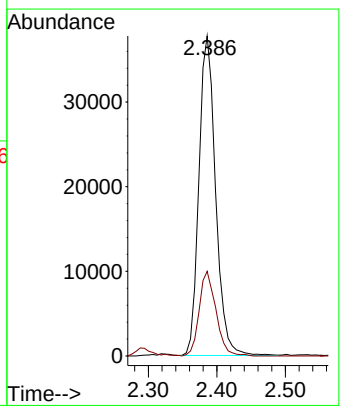
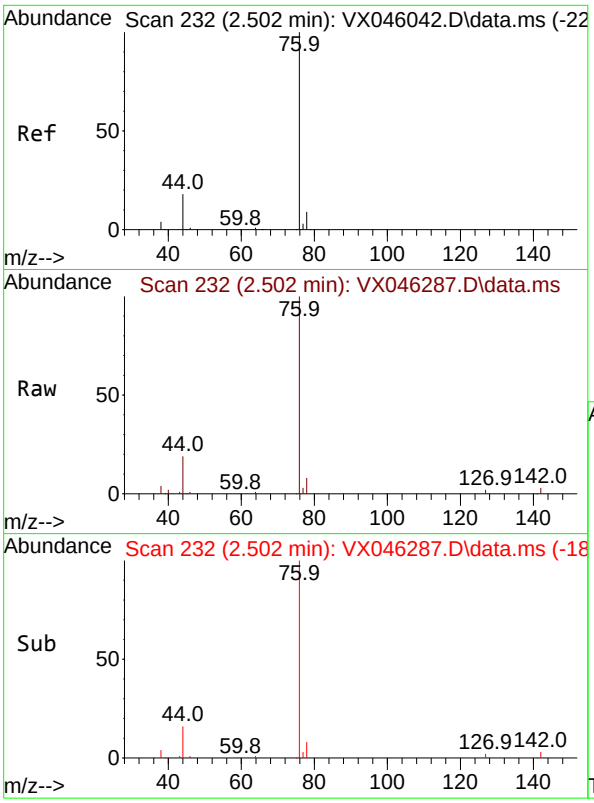


#16
Acetone
Concen: 102.986 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 63974

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8

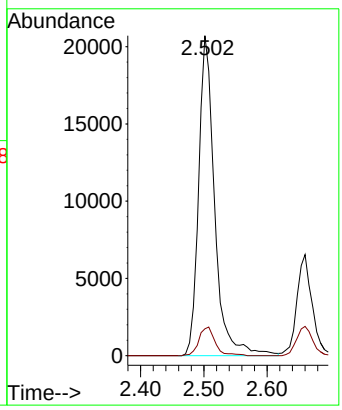




#17
Carbon Disulfide
Concen: 15.647 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 76 Resp: 3655

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.4



Instrument :
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ClientSampleId :
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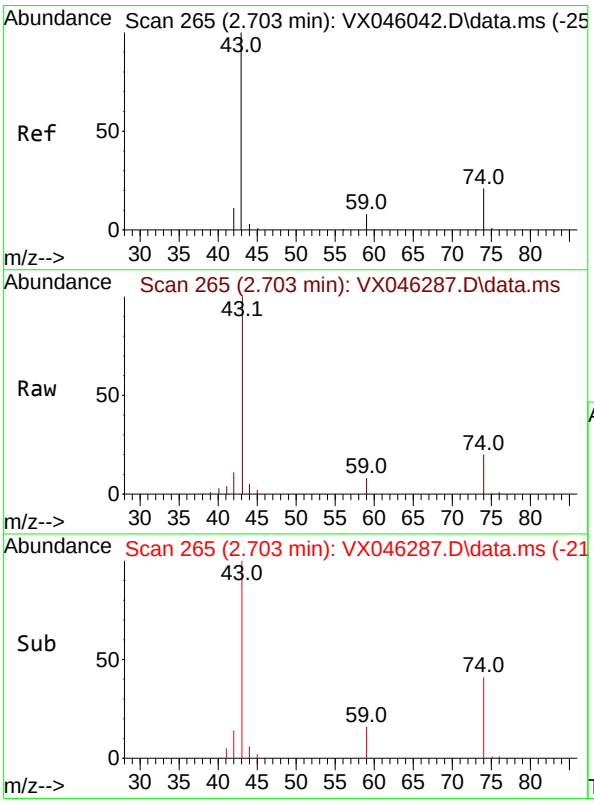
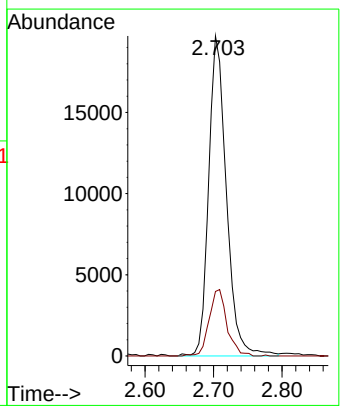
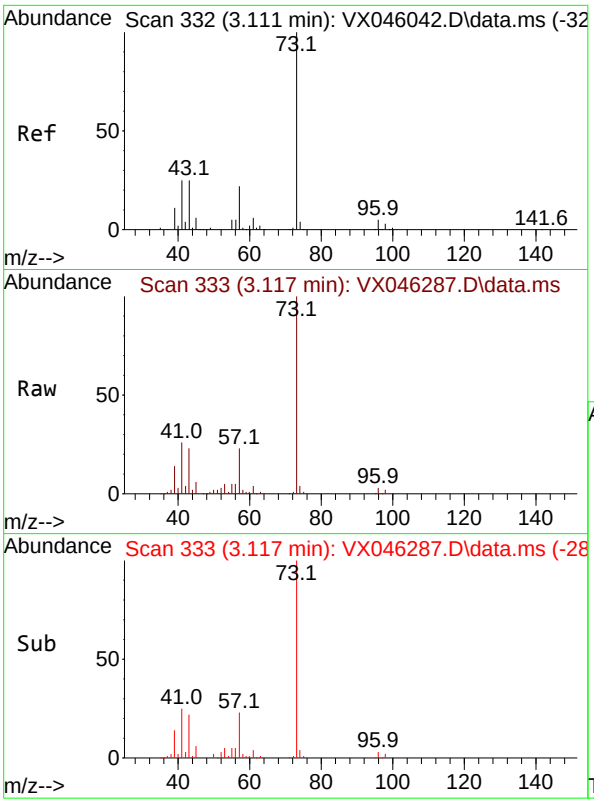


#18
Methyl Acetate
Concen: 24.639 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 35517

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

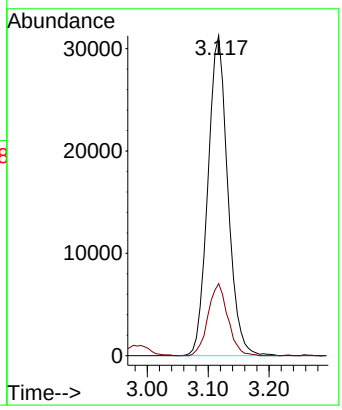




#19
Methyl tert-butyl Ether
Concen: 20.570 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 73 Resp: 7106

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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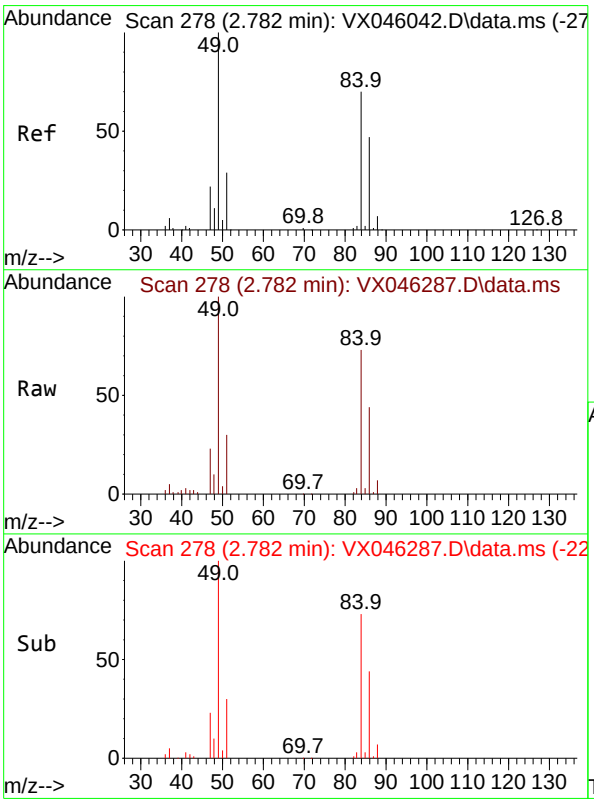
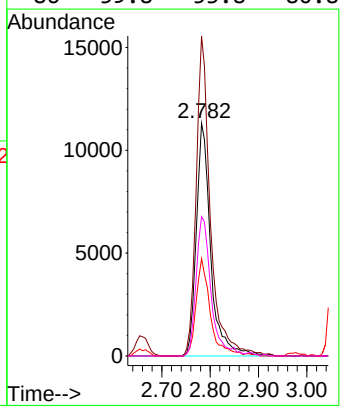
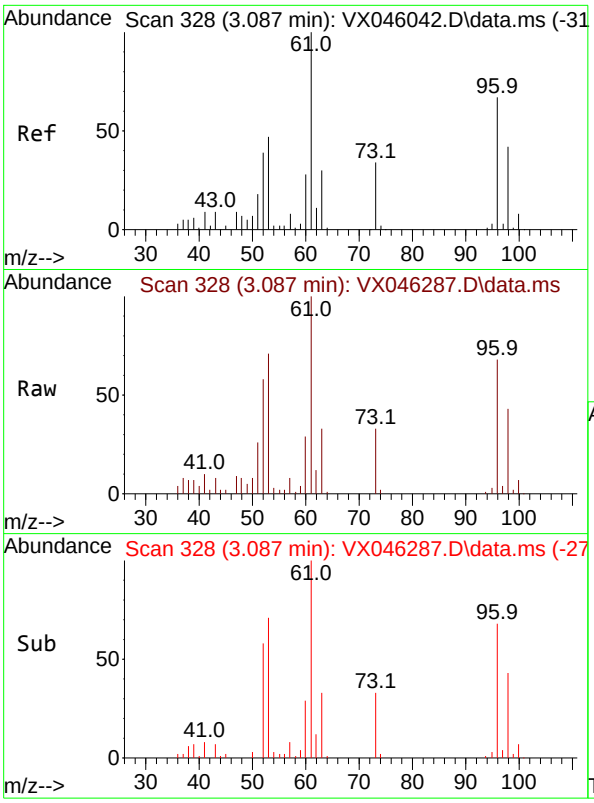


#20
Methylene Chloride
Concen: 19.676 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 84 Resp: 23422

Ion	Ratio	Lower	Upper
84	100		
49	137.5	113.9	170.9
51	41.8	33.5	50.3
86	59.8	53.8	80.8





#21
trans-1,2-Dichloroethene
Concen: 19.451 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 96 Resp: 1927

Ion	Ratio	Lower	Upper
96	100		
61	147.6	119.5	179.3
98	63.0	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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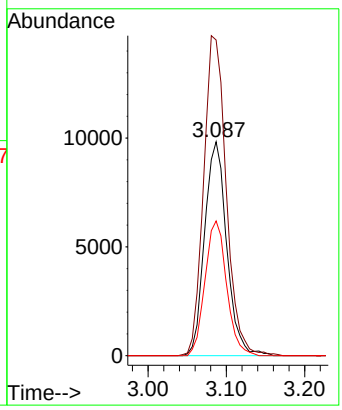
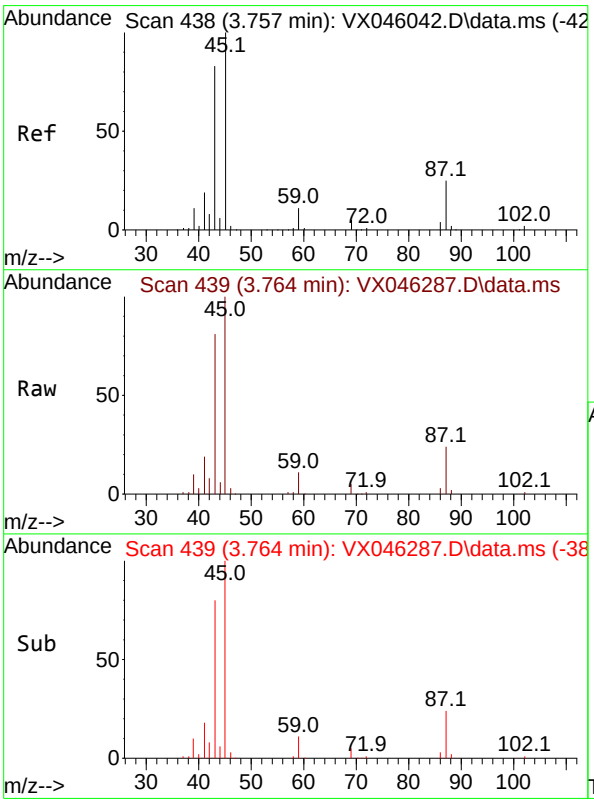
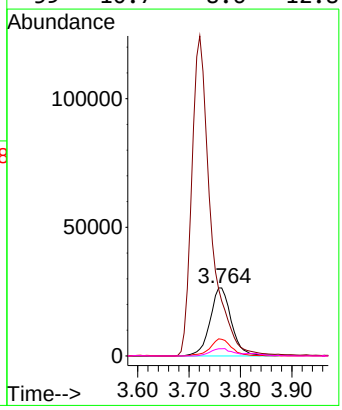


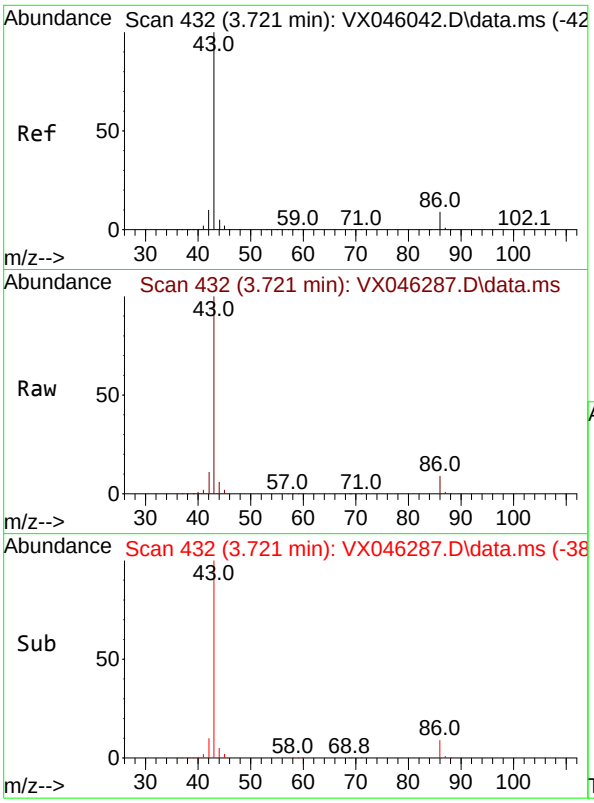


#22
Diisopropyl ether
Concen: 21.013 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 45 Resp: 76439

Ion	Ratio	Lower	Upper
45	100		
43	79.7	66.6	100.0
87	24.5	19.8	29.6
59	10.7	8.6	12.8





#23
Vinyl Acetate
Concen: 100.856 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 32269

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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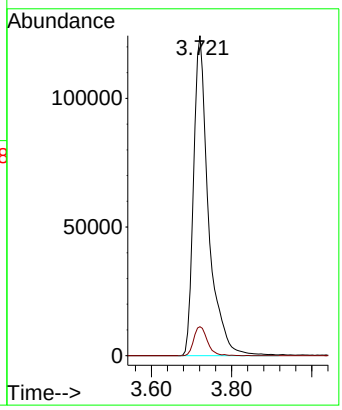
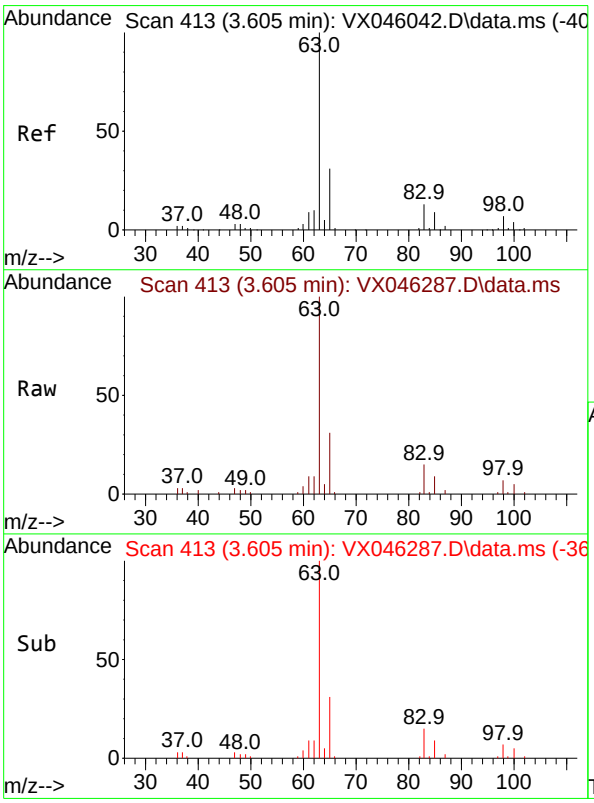
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

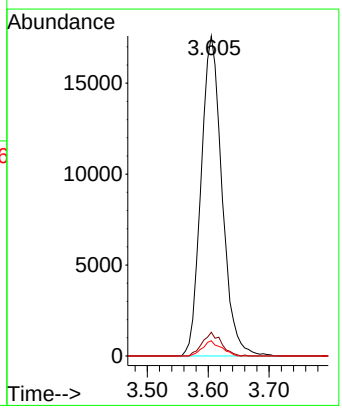


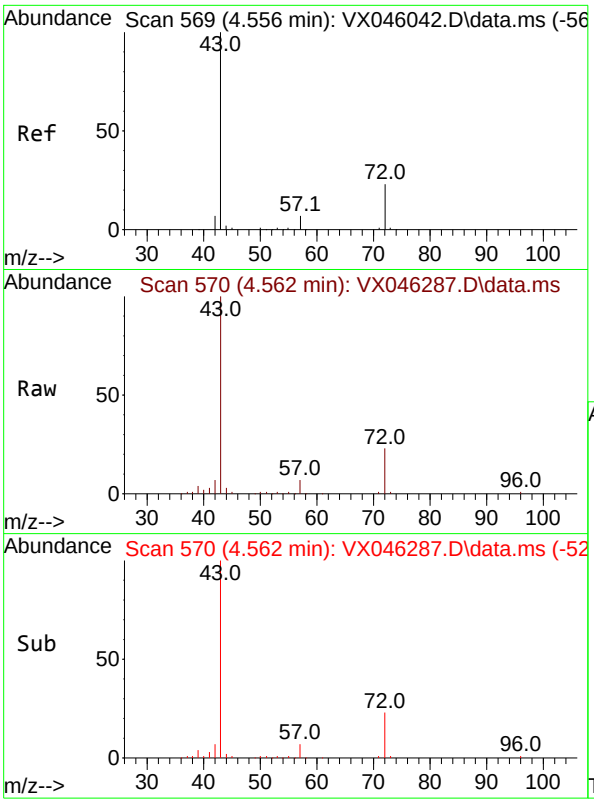


#24
1,1-Dichloroethane
Concen: 20.762 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 42066

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 107.880 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 9729

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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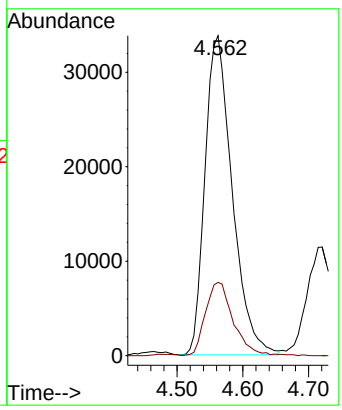
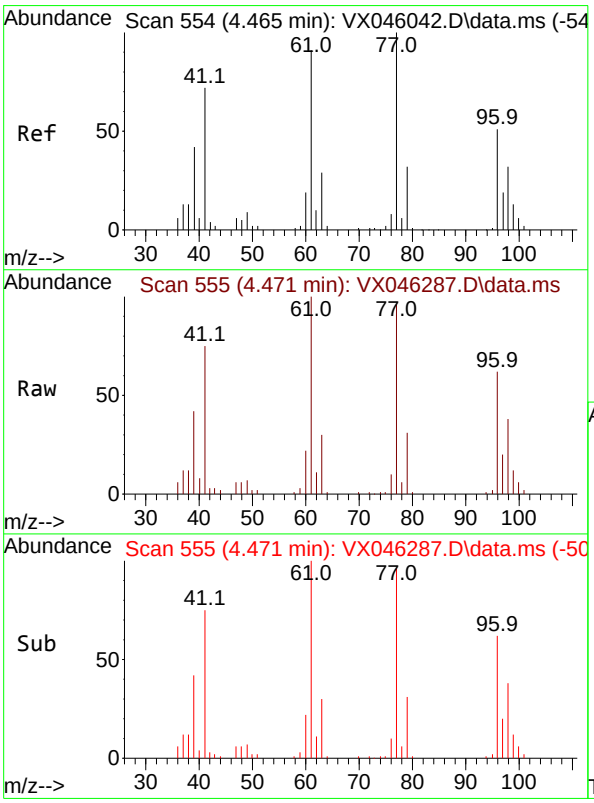
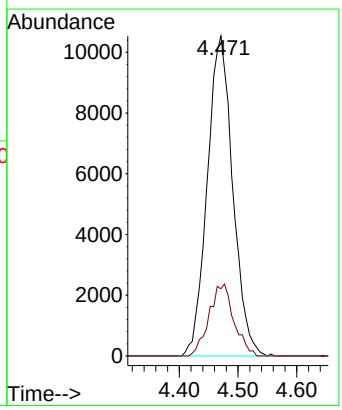


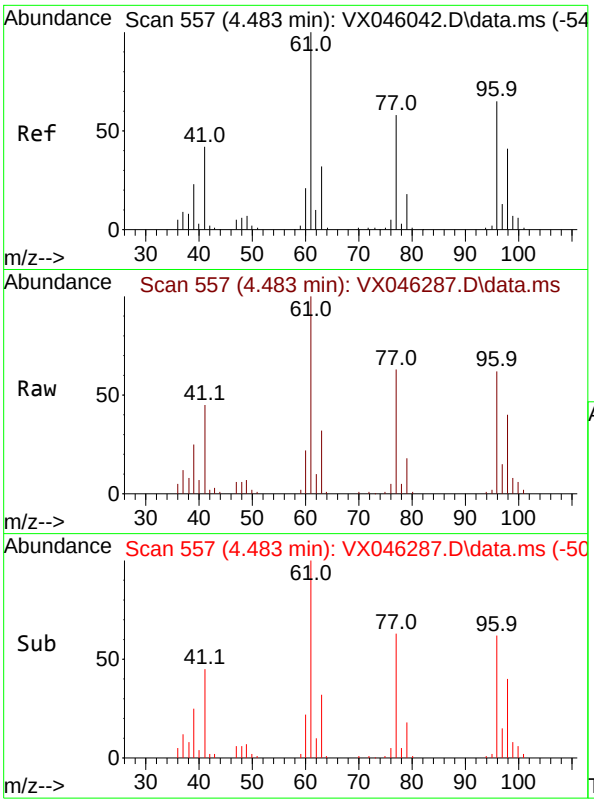


#26
2,2-Dichloropropane
Concen: 20.038 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 77 Resp: 31778

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.5	31.5

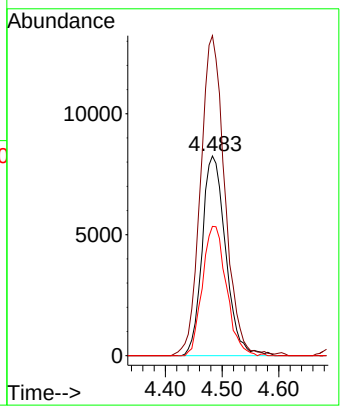




#27
cis-1,2-Dichloroethene
Concen: 19.904 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 96 Resp: 2374

Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	322.8
98	65.9	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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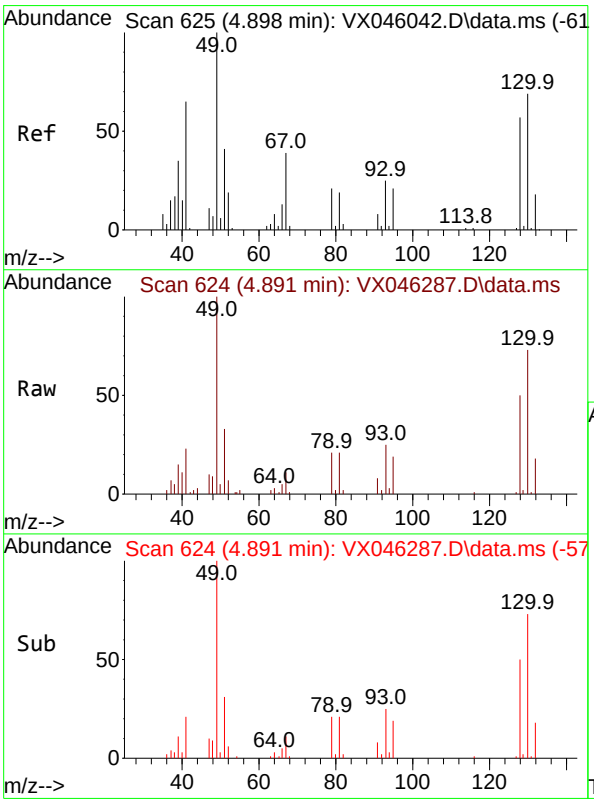
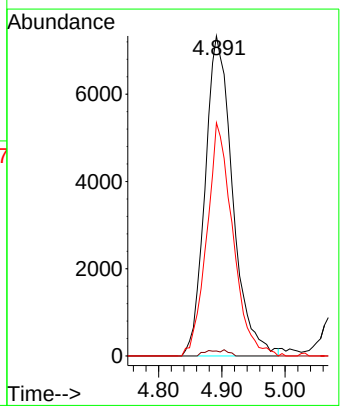
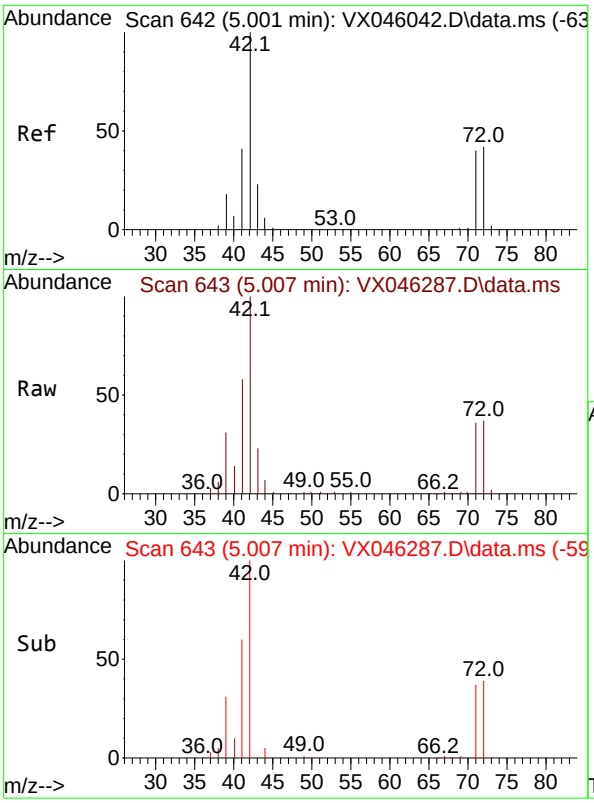


#28
Bromochloromethane
Concen: 22.721 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 49 Resp: 22159

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	69.1	56.2	84.2





#29
Tetrahydrofuran
Concen: 106.791 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 42 Resp: 6034

Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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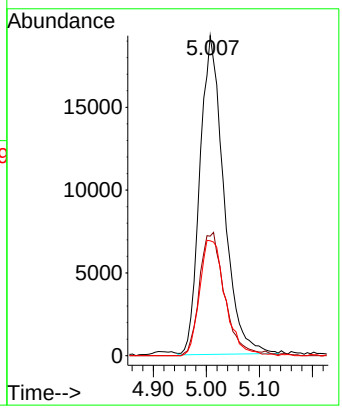
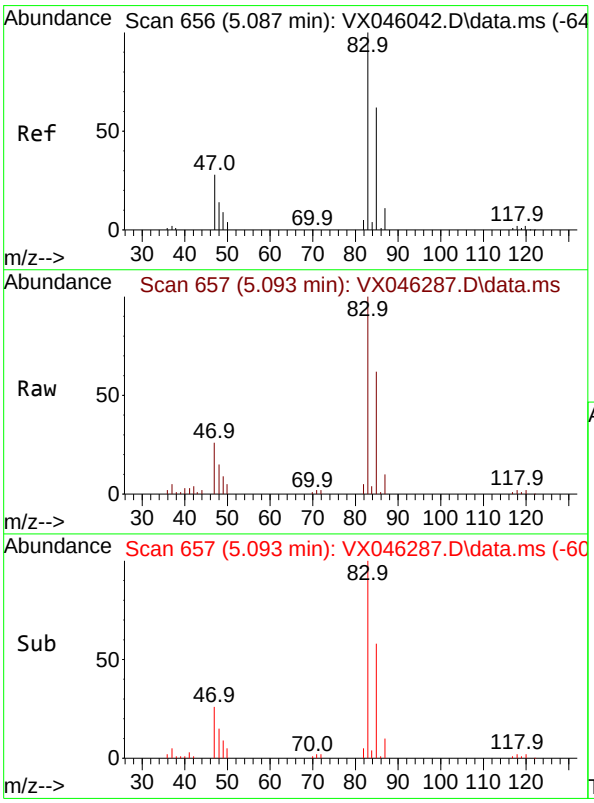
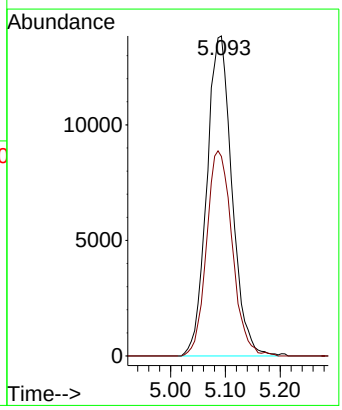


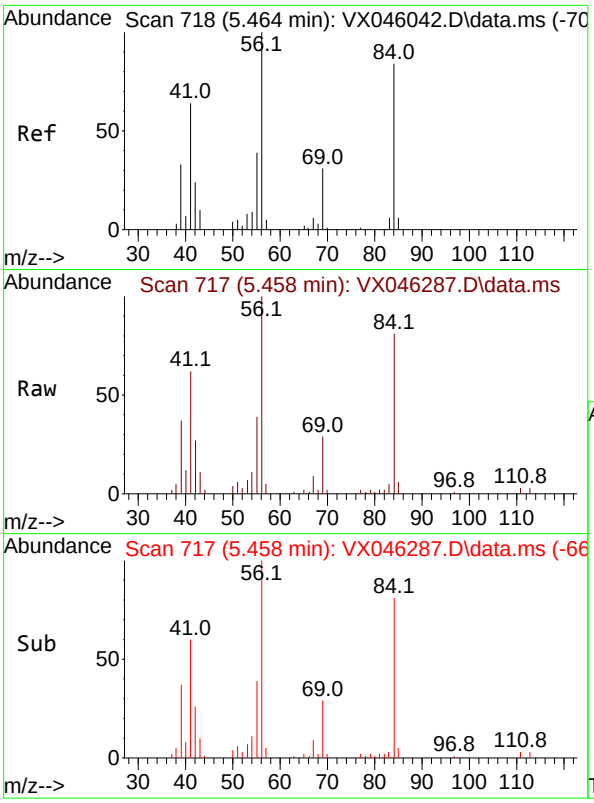


#30
Chloroform
Concen: 20.880 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 44097

Ion	Ratio	Lower	Upper
83	100		
85	62.3	49.3	73.9





#31
Cyclohexane
Concen: 18.777 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 56 Resp: 3466

Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.4	36.6
84	78.0	66.9	100.3

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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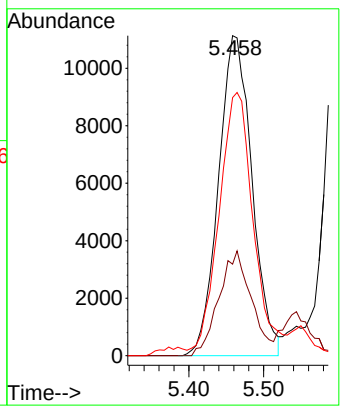
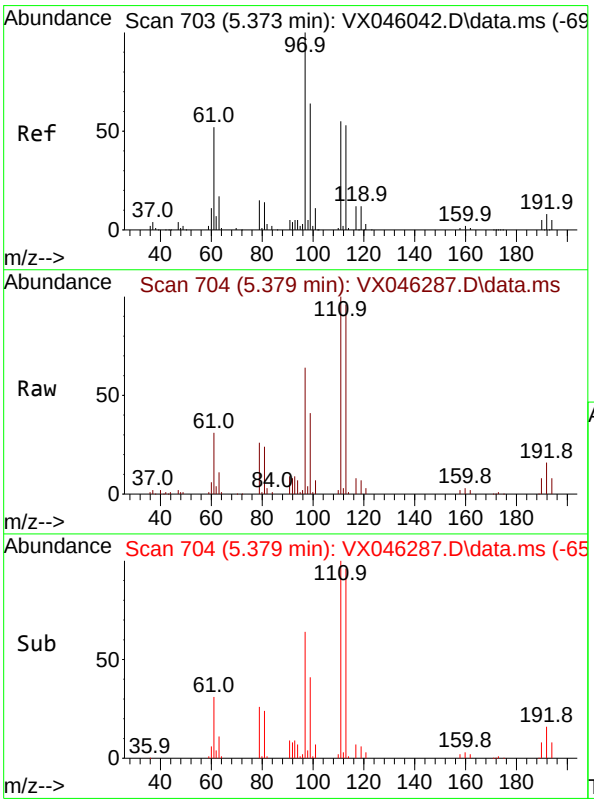
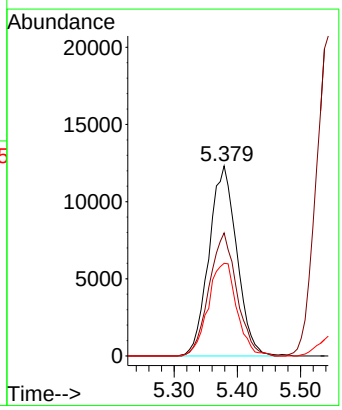


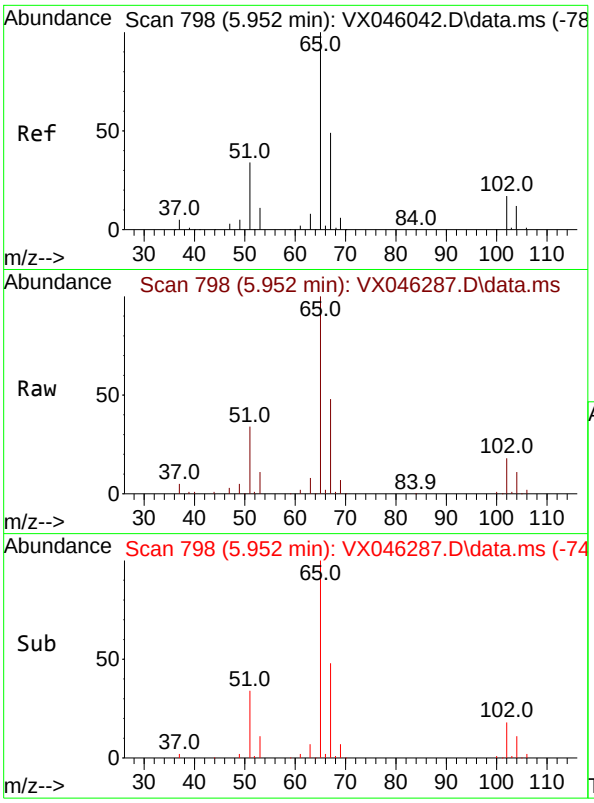


#32
1,1,1-Trichloroethane
Concen: 20.513 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 97 Resp: 37552

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	50.4	40.1	60.1

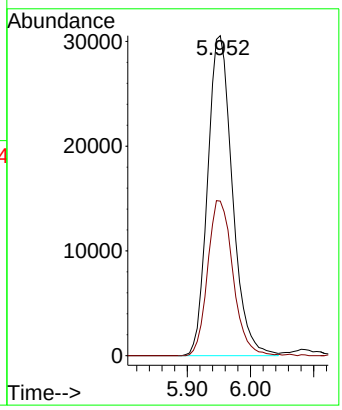




#33
1,2-Dichloroethane-d4
Concen: 53.650 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 65 Resp: 8312

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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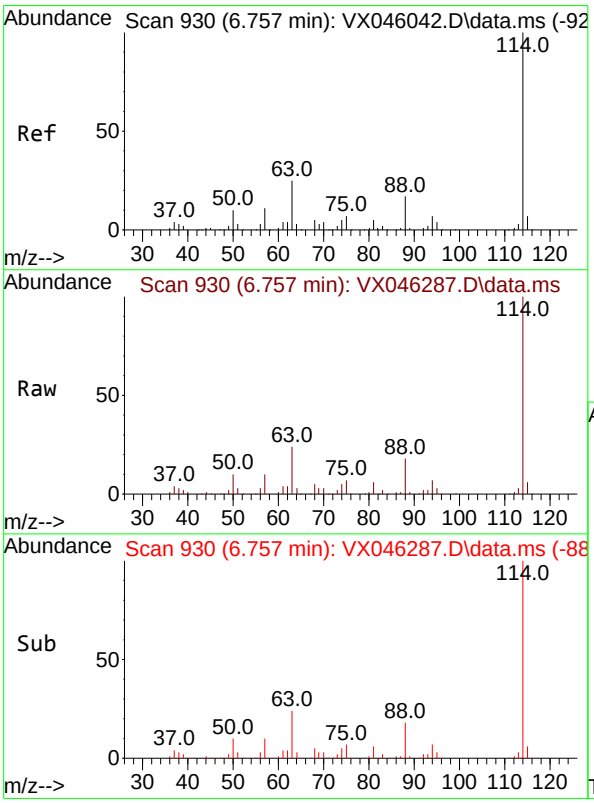
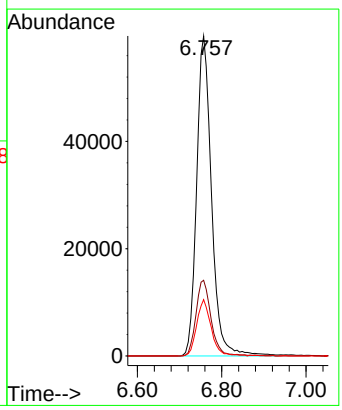
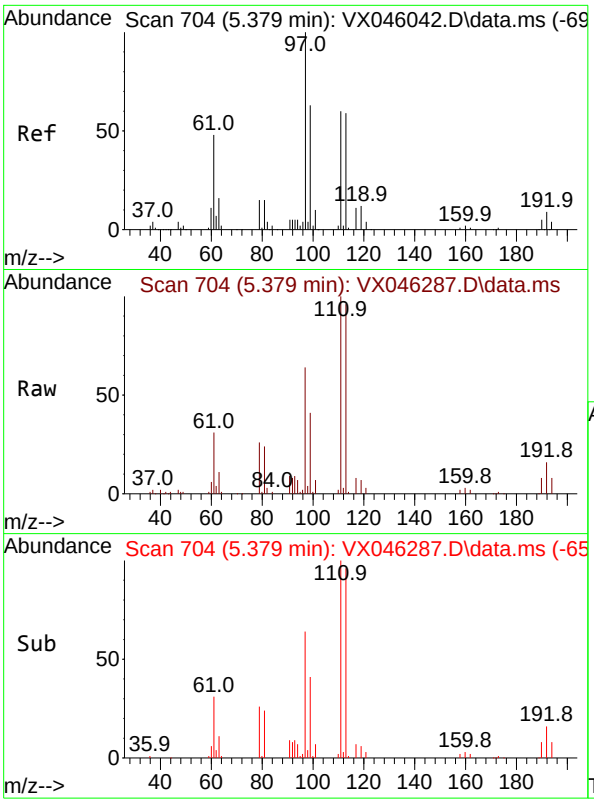


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:114 Resp: 146697

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	17.6	0.0	33.6

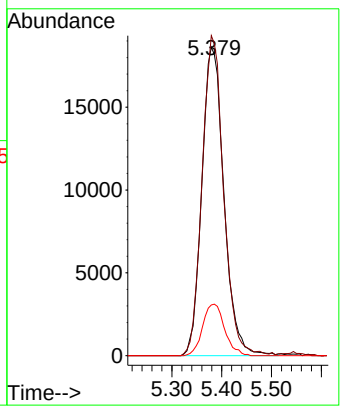




#35
Dibromofluoromethane
Concen: 54.310 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:113 Resp: 5737

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	16.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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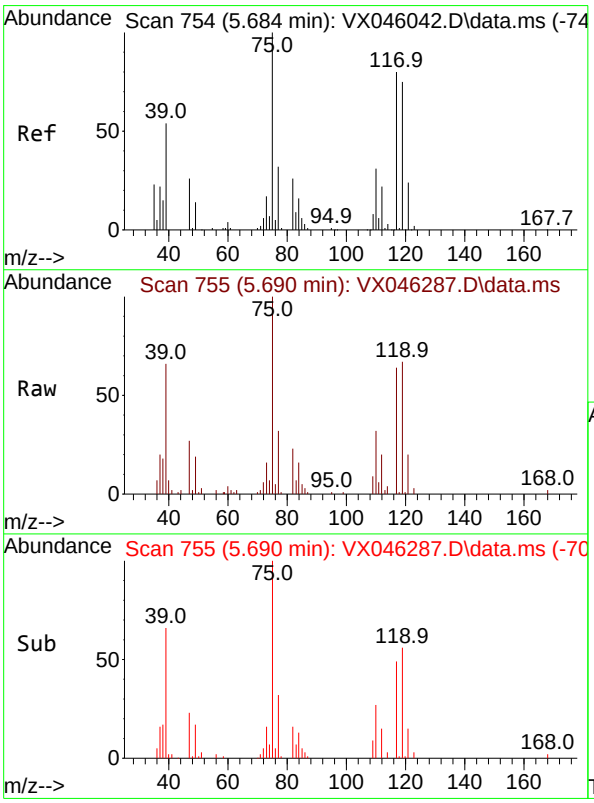
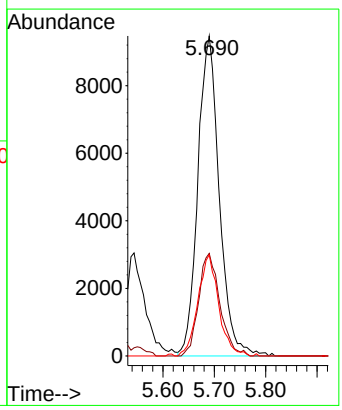
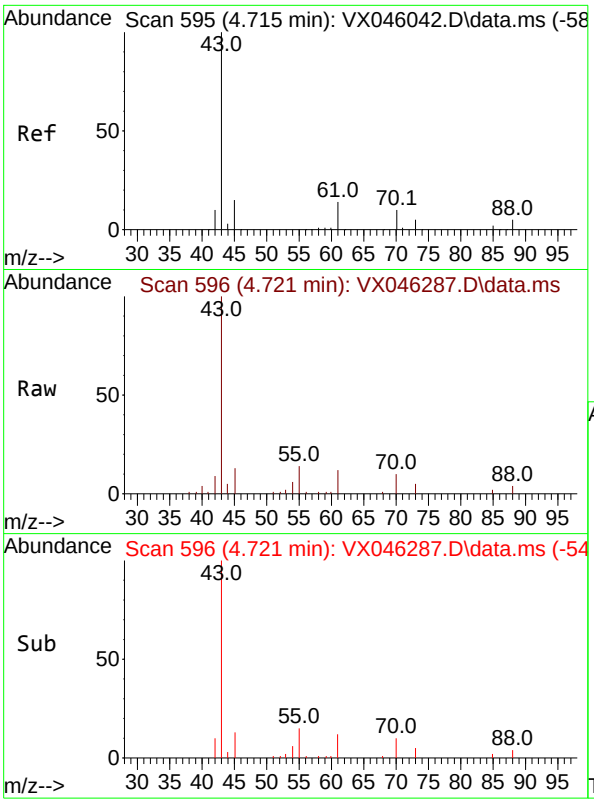


#36
1,1-Dichloropropene
Concen: 19.318 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 27419

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.3	48.9
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 19.662 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 3447

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	10.1	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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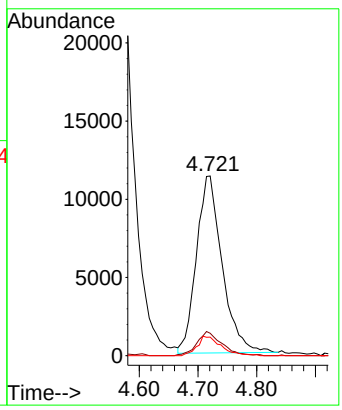
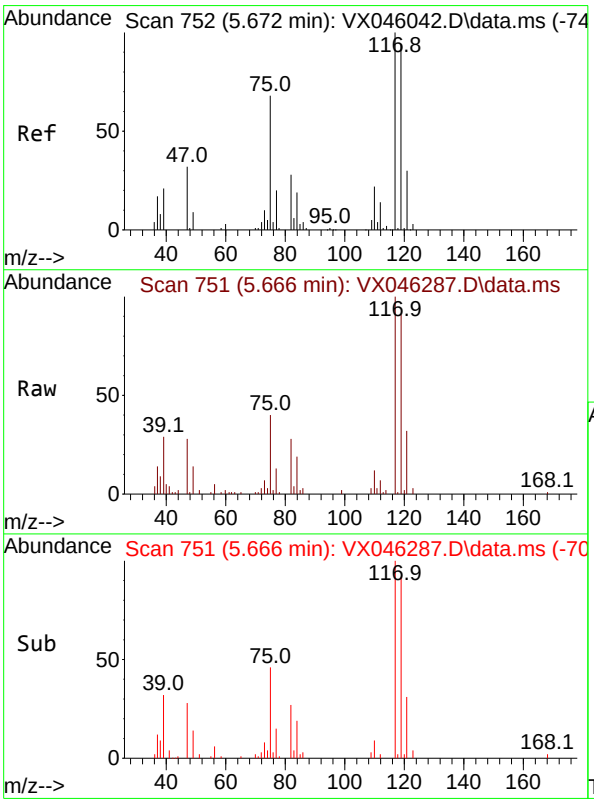
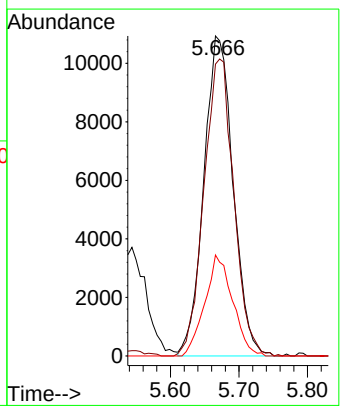


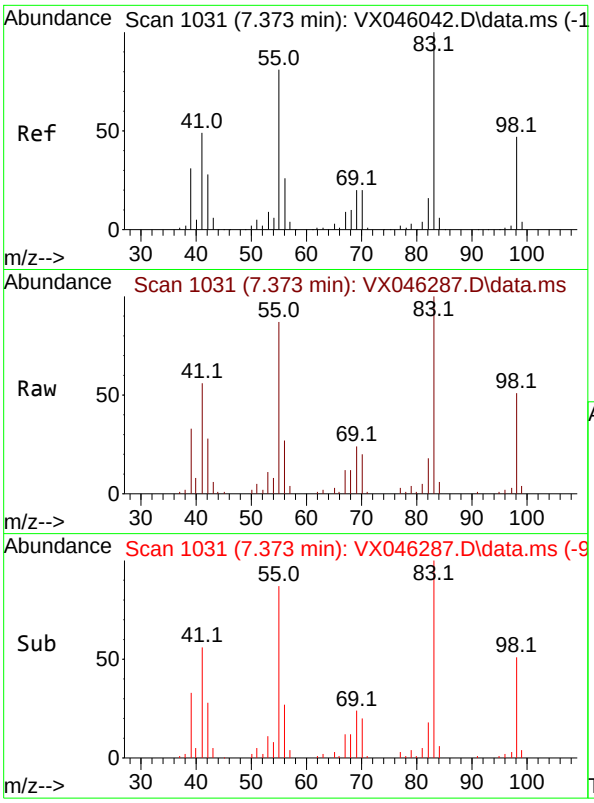


#38
Carbon Tetrachloride
Concen: 20.358 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 32466

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	31.6	24.2	36.4

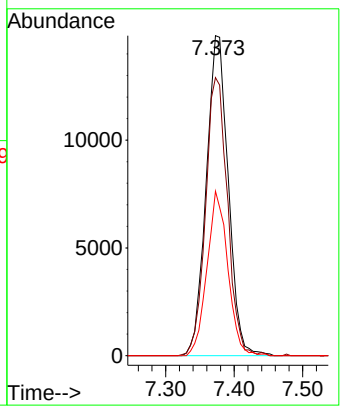




#39
Methylcyclohexane
Concen: 18.179 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 3321

Ion	Ratio	Lower	Upper
83	100		
55	86.9	64.7	97.1
98	51.4	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
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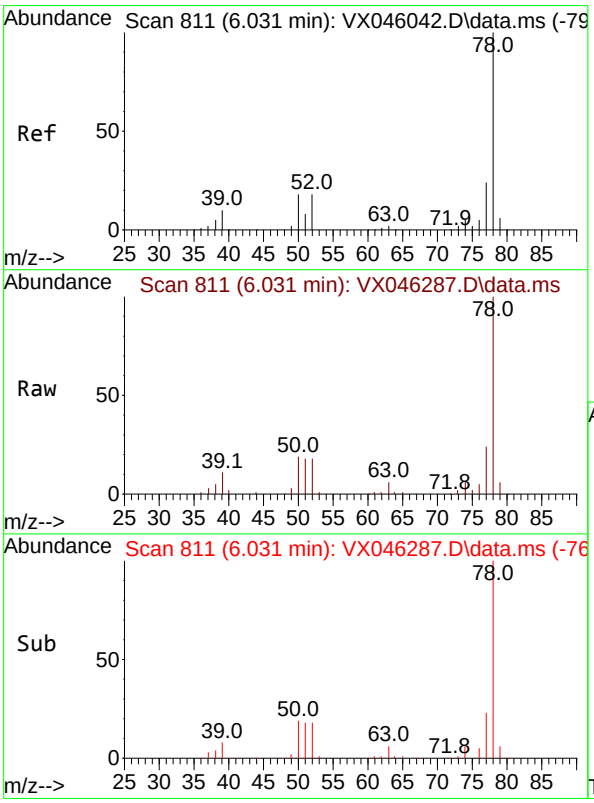
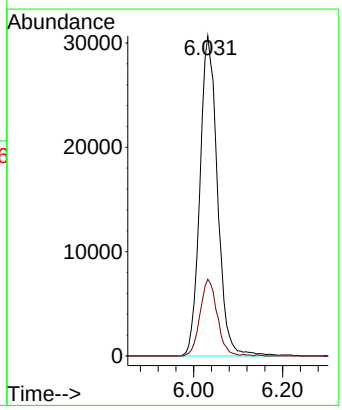
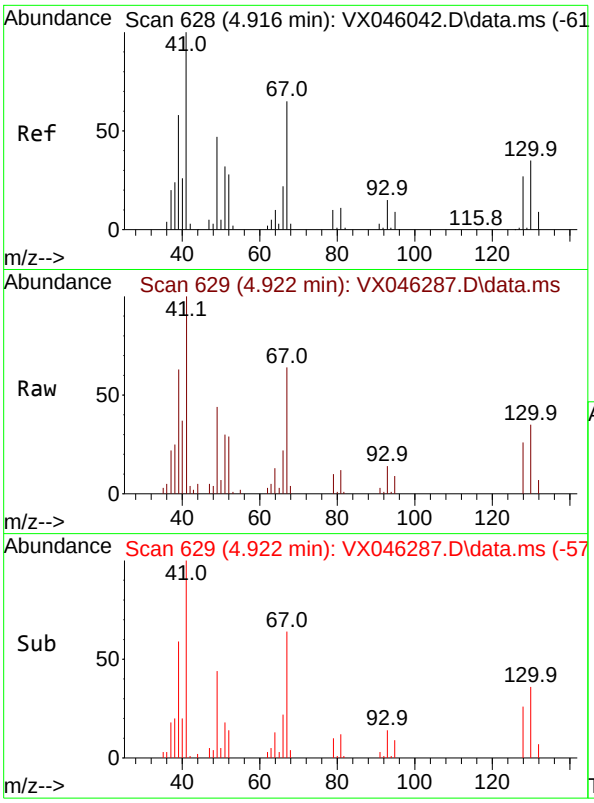


#40
Benzene
Concen: 20.305 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 78 Resp: 84417

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

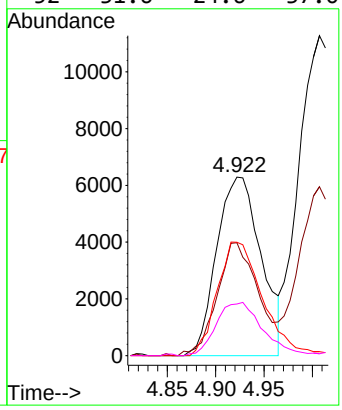




#41
Methacrylonitrile
Concen: 21.927 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 2011

Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.2	70.8
67	65.5	50.7	76.1
52	31.6	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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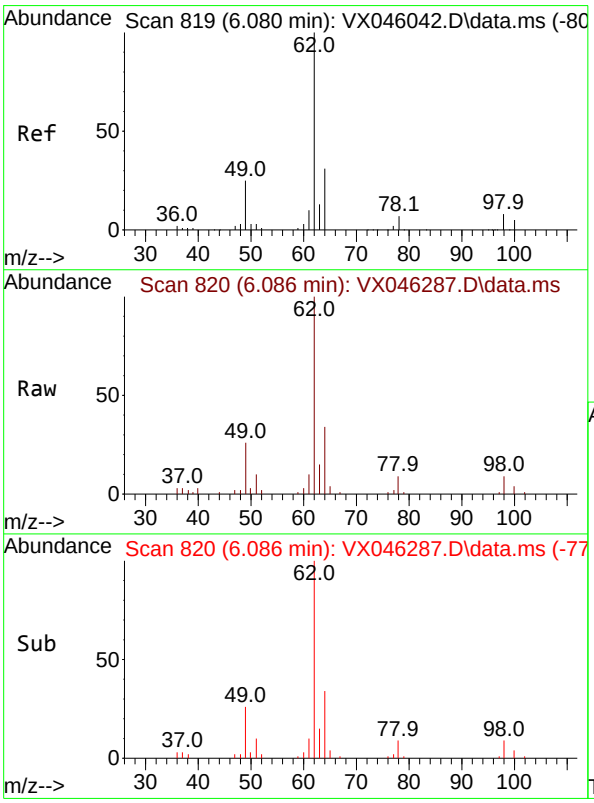
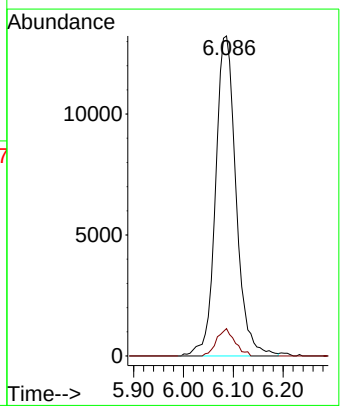
Supervised By :Mahesh Dadoda 05/22/2025

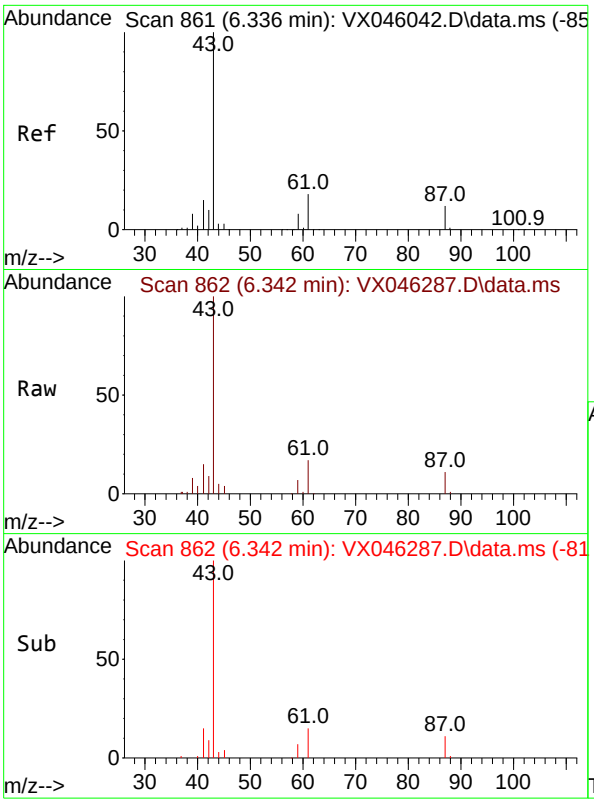


#42
1,2-Dichloroethane
Concen: 21.028 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 62 Resp: 37731

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 20.922 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 5597

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.3	21.5
87	11.1	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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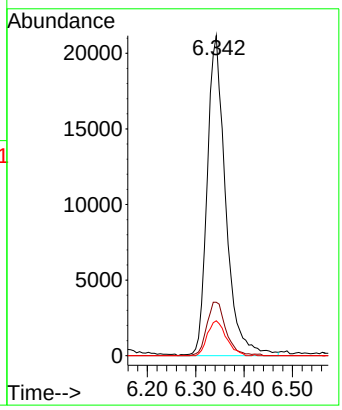
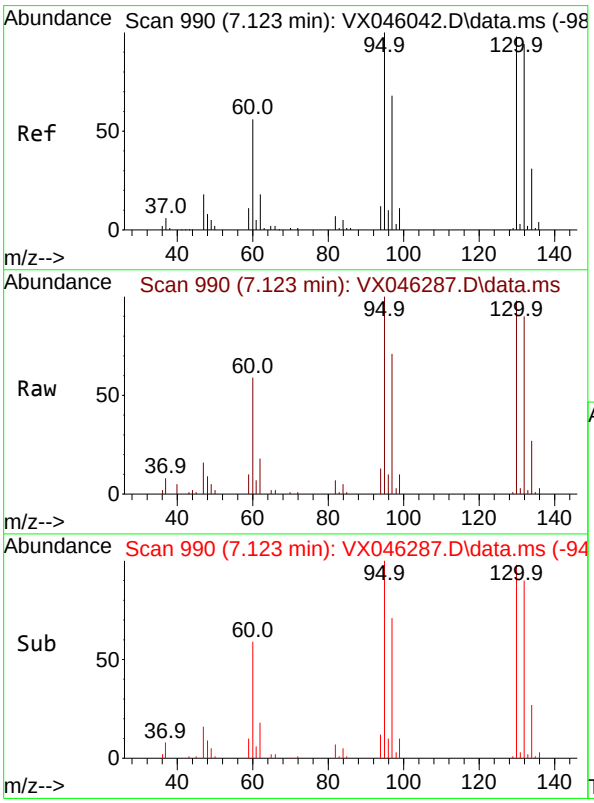
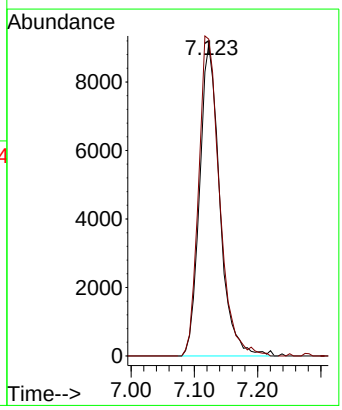


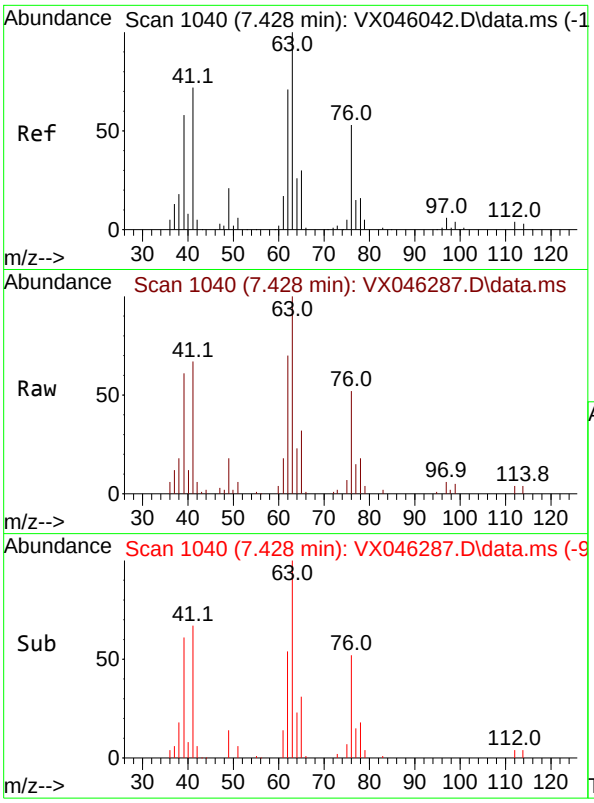


#44
Trichloroethene
Concen: 20.142 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:130 Resp: 20154

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	204.2





#45
1,2-Dichloropropane
Concen: 20.700 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 2139

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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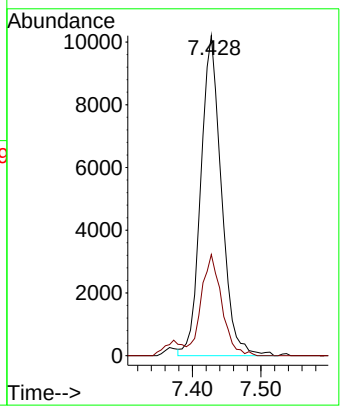
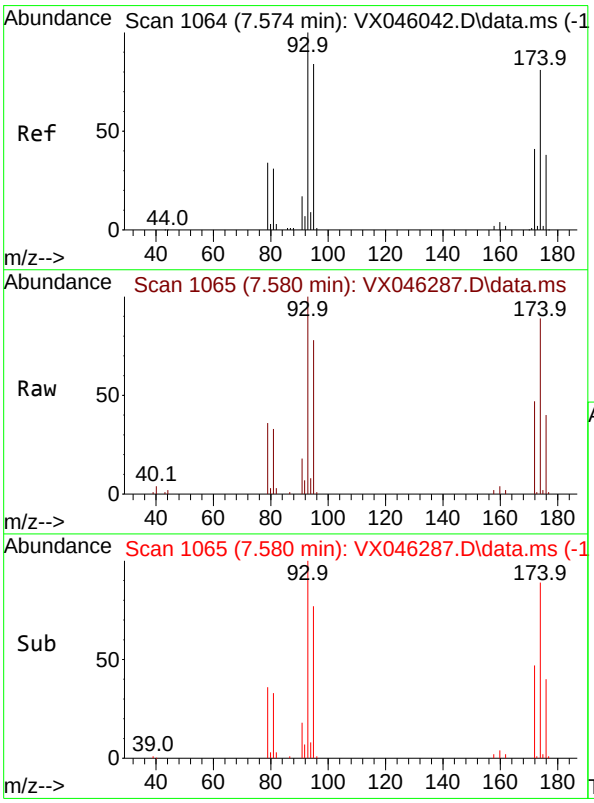
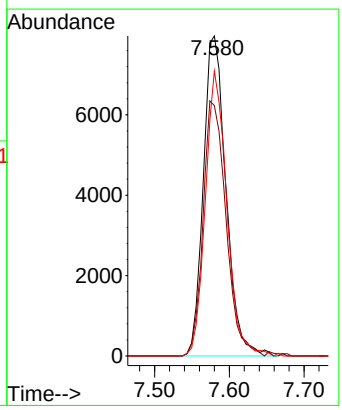


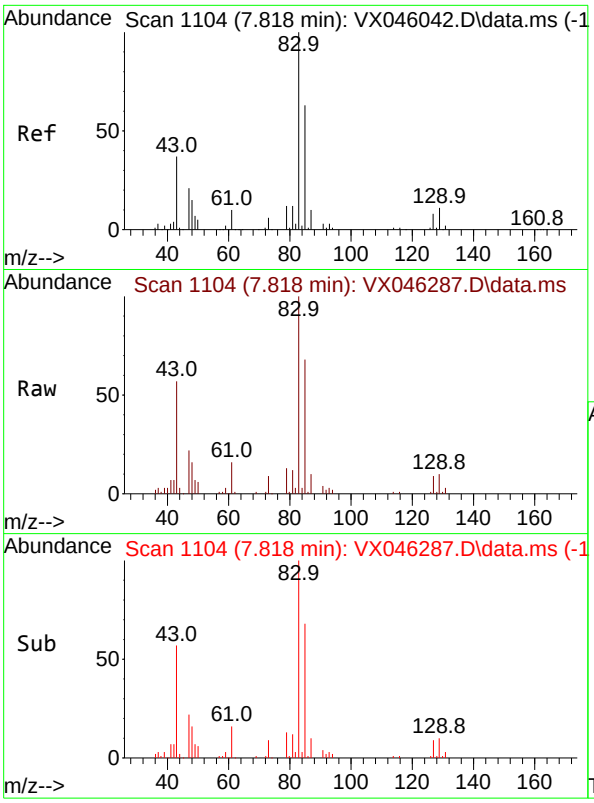


#46
Dibromomethane
Concen: 20.515 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 93 Resp: 16727

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.6	98.4
174	85.0	68.2	102.2





#47
Bromodichloromethane
Concen: 20.884 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 3353

Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.8	6.5	9.7

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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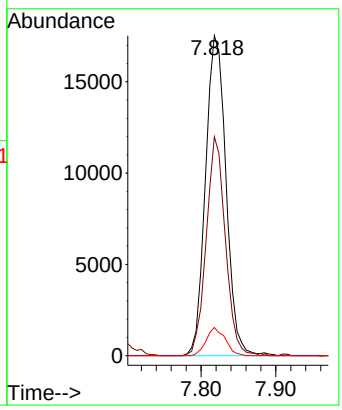
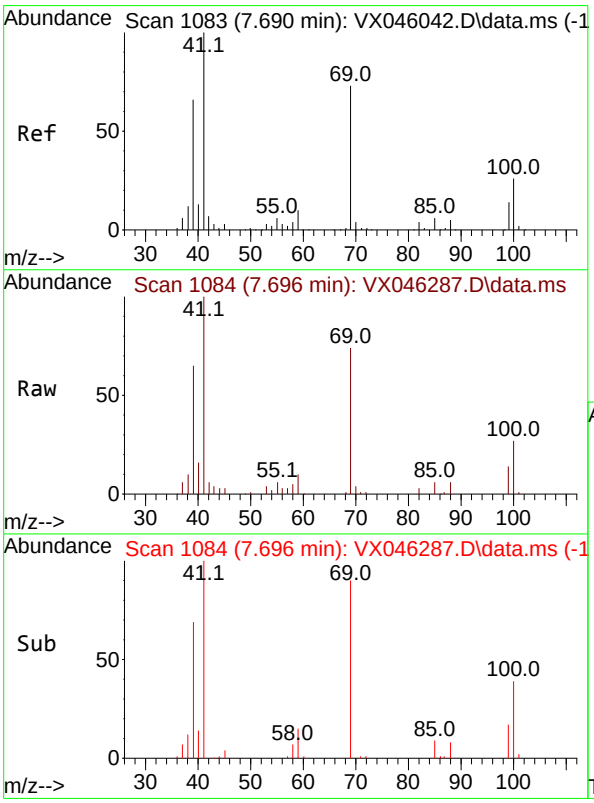
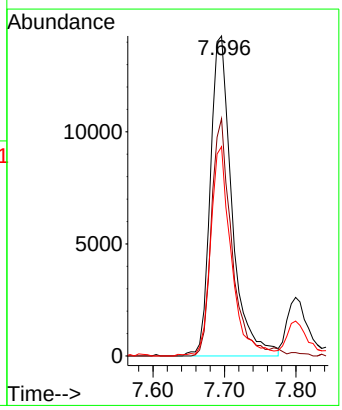


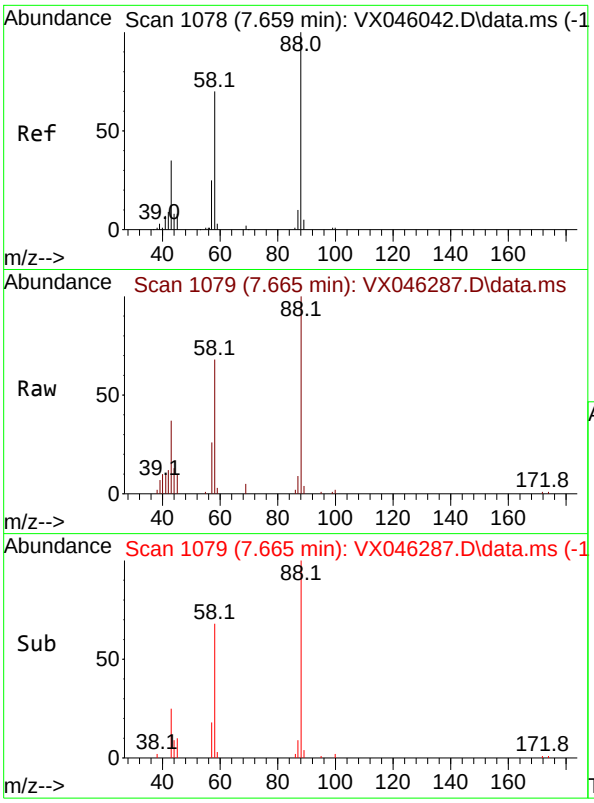


#48
Methyl methacrylate
Concen: 21.893 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 29912

Ion	Ratio	Lower	Upper
41	100		
69	69.0	58.5	87.7
39	62.8	51.7	77.5

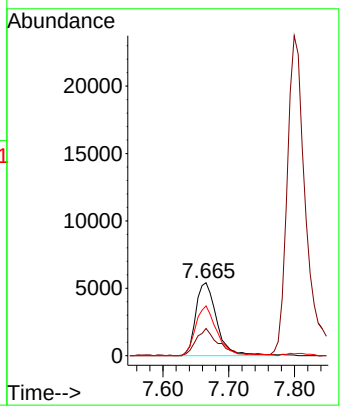




#49
1,4-Dioxane
Concen: 461.769 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 88 Resp: 1197

Ion	Ratio	Lower	Upper
88	100		
43	41.2	33.4	50.2
58	70.1	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
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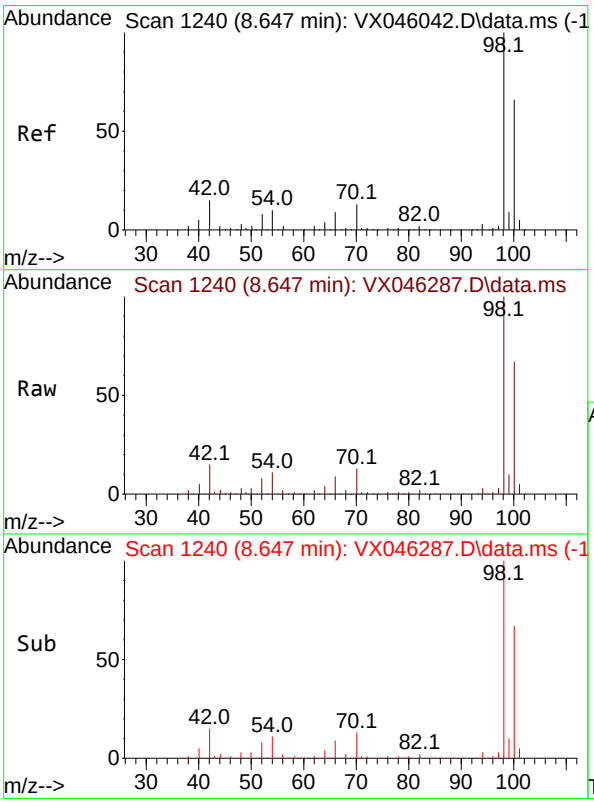
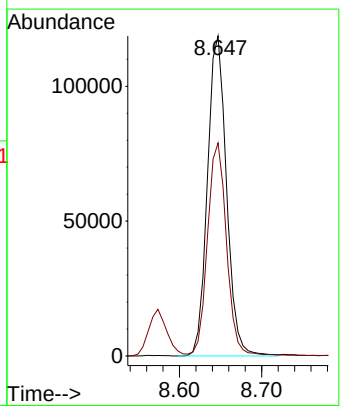
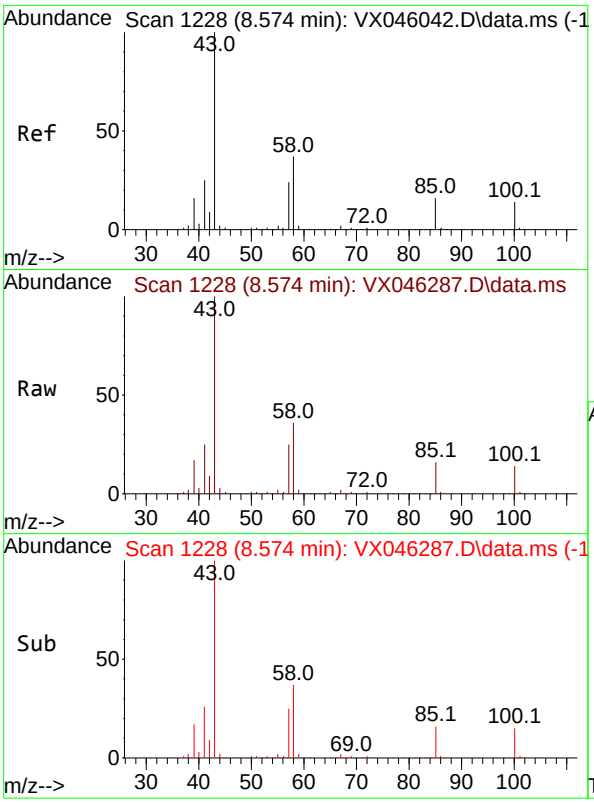


#50
Toluene-d8
Concen: 52.383 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 98 Resp: 191524

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.5	80.3

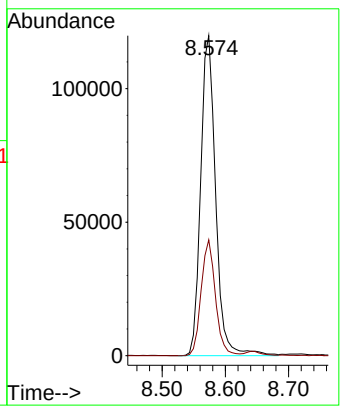




#51
4-Methyl-2-Pentanone
Concen: 111.451 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 19791

Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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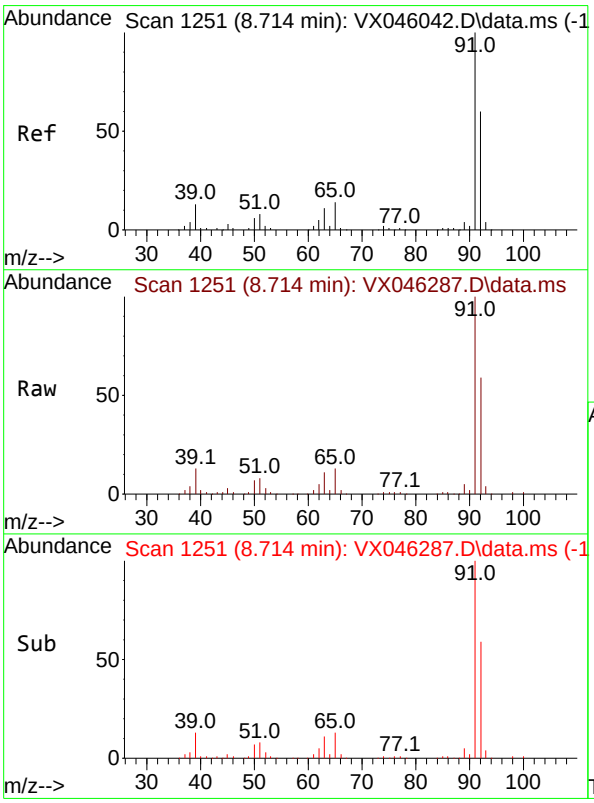
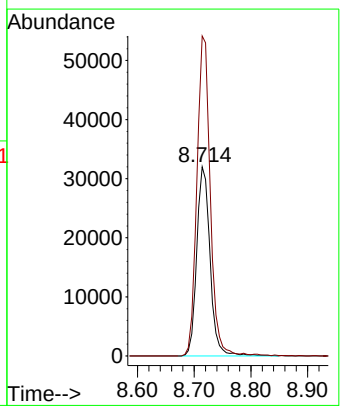
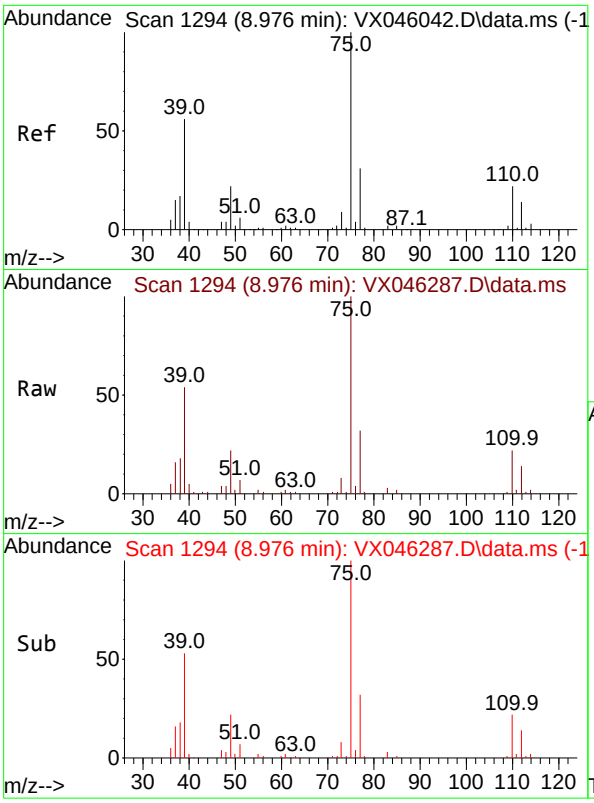


#52
Toluene
Concen: 20.494 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 92 Resp: 52243

Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.6	205.0

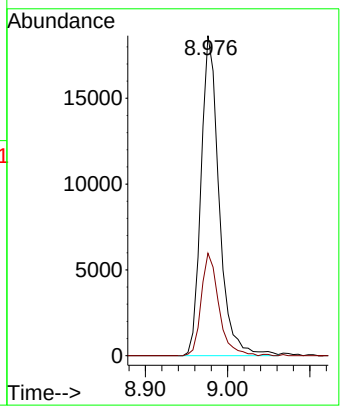




#53
t-1,3-Dichloropropene
Concen: 19.935 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 2845

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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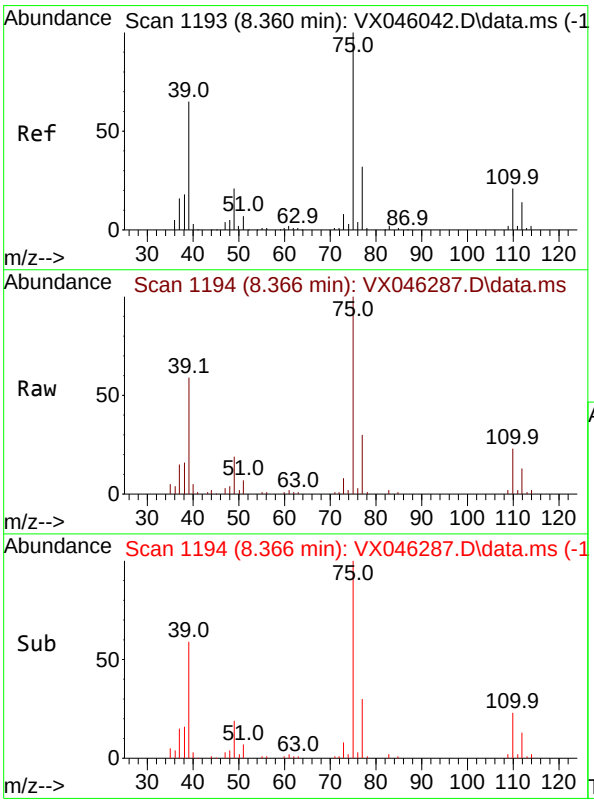
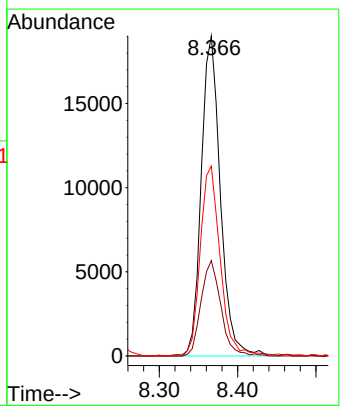
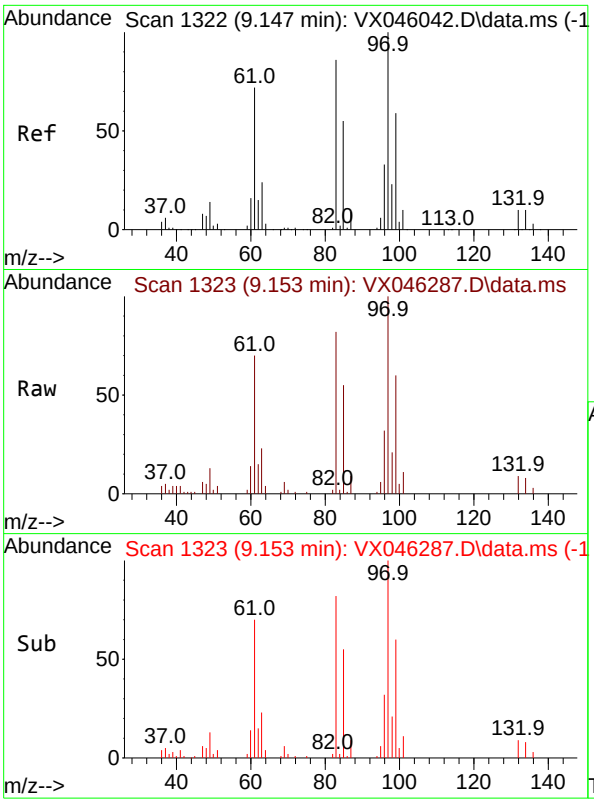


#54
cis-1,3-Dichloropropene
Concen: 20.399 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 32181

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.0
39	58.9	52.2	78.4

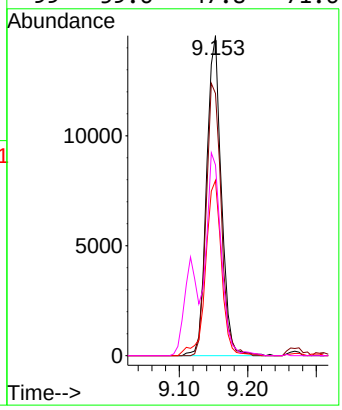




#55
1,1,2-Trichloroethane
Concen: 21.646 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 97 Resp: 2175

Ion	Ratio	Lower	Upper
97	100		
83	82.0	69.0	103.6
85	54.8	44.3	66.5
99	59.6	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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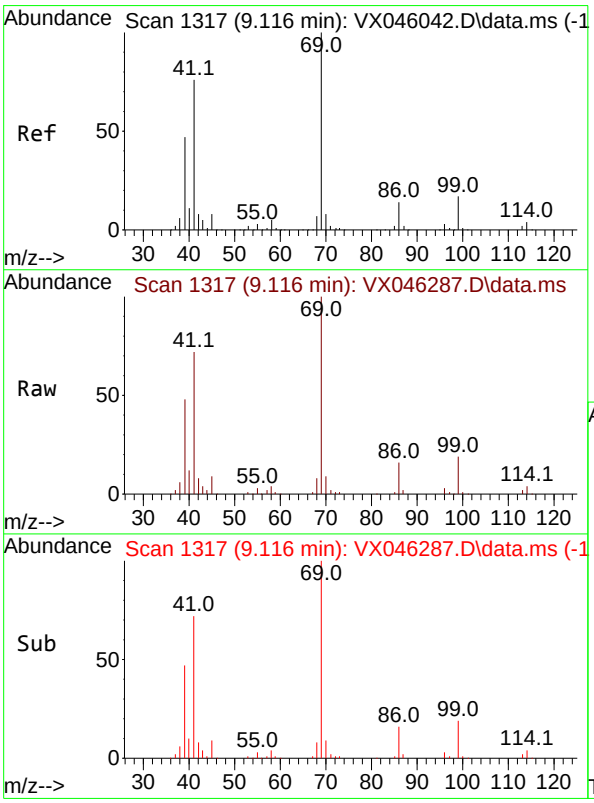
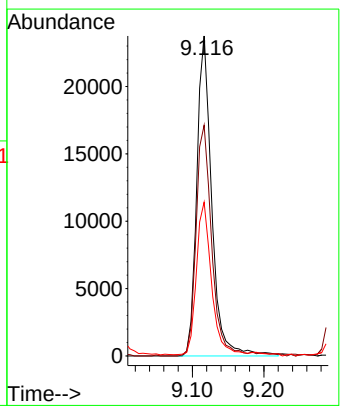
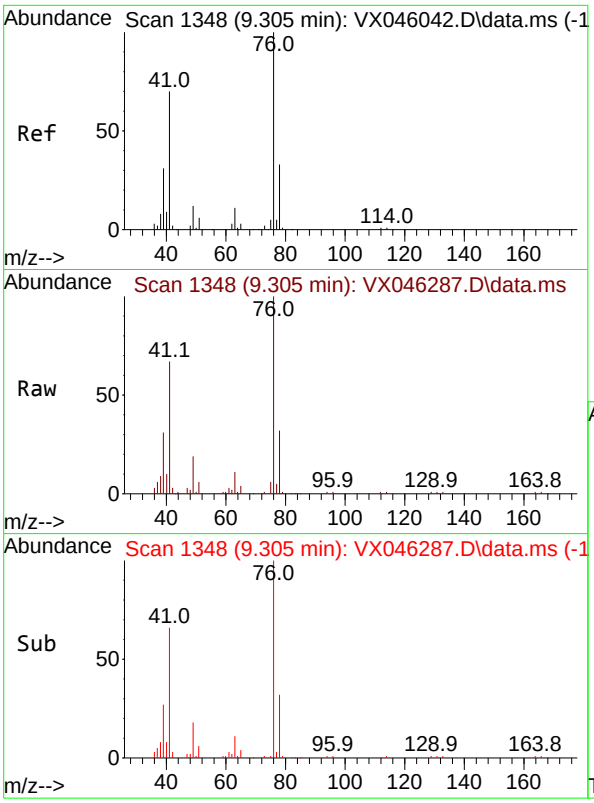


#56
Ethyl methacrylate
Concen: 21.526 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 69 Resp: 34485

Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.8	91.2
39	47.5	39.0	58.6

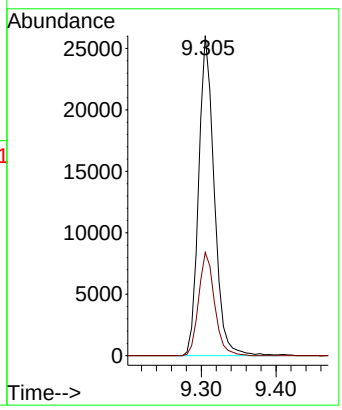




#57
1,3-Dichloropropane
Concen: 20.867 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 76 Resp: 3767

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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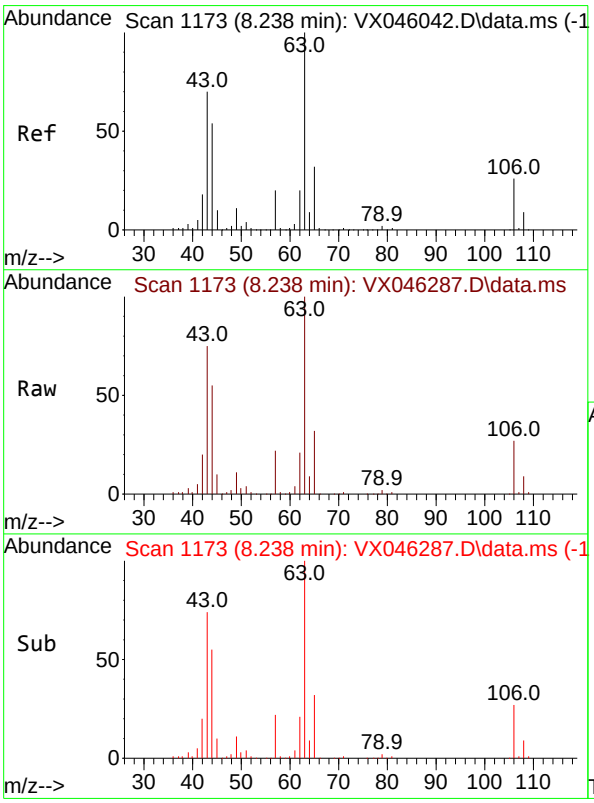
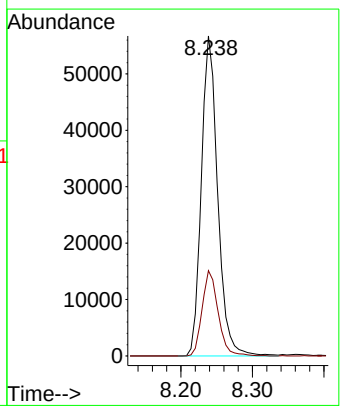
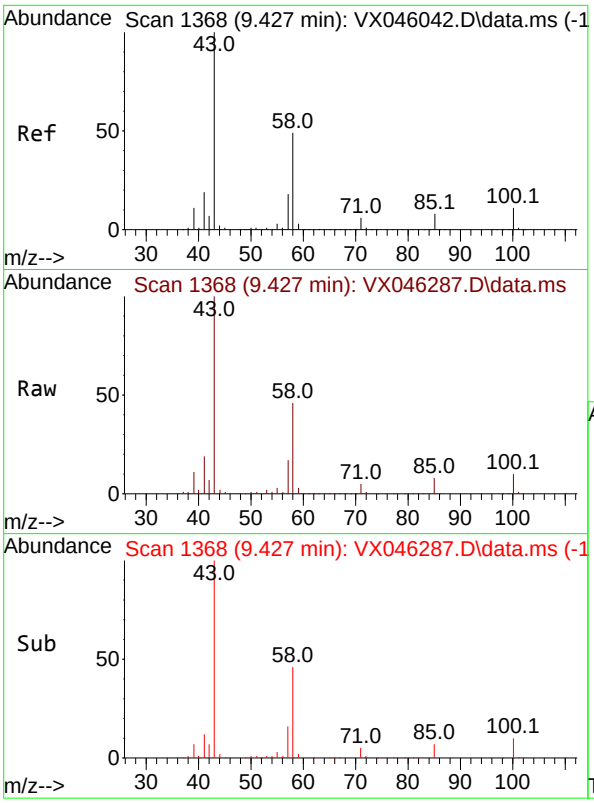


#58
2-Chloroethyl Vinyl ether
Concen: 110.253 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 90048

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3





#59
2-Hexanone
Concen: 111.809 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 14689

Ion	Ratio	Lower	Upper
43	100		
58	48.1	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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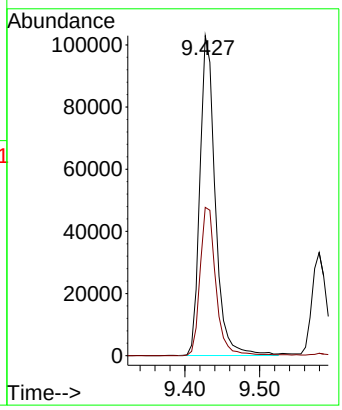
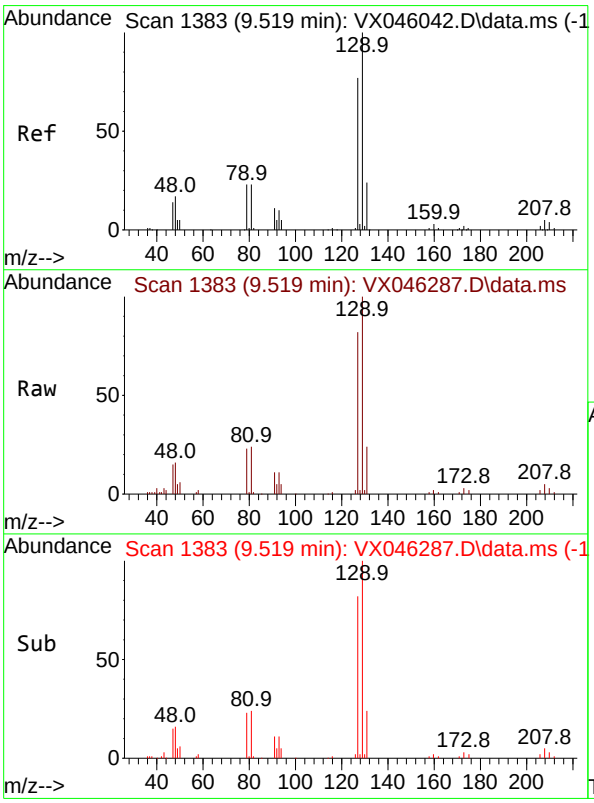
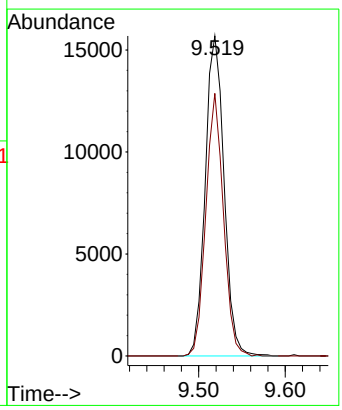


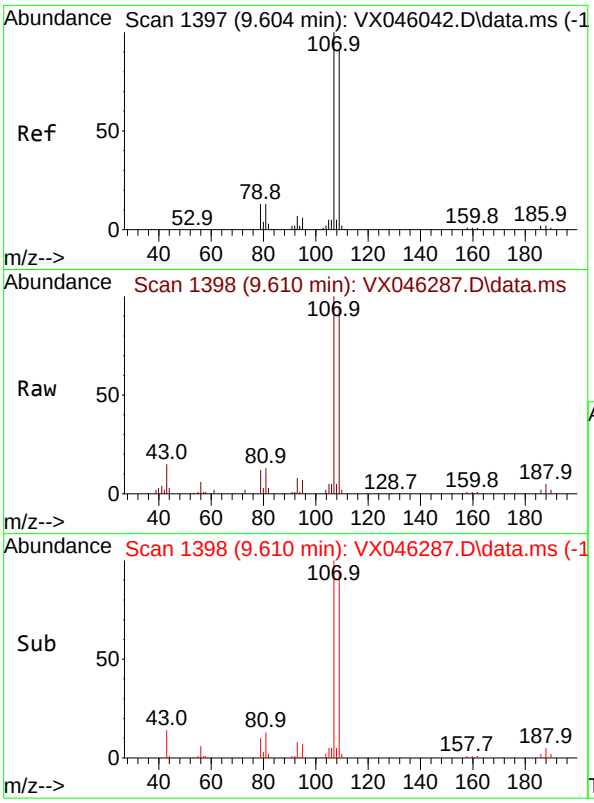


#60
Dibromochloromethane
Concen: 21.467 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:129 Resp: 23698

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.3	117.8

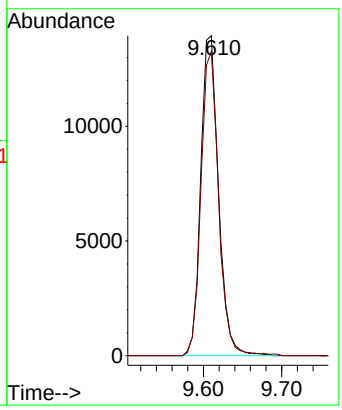




#61
1,2-Dibromoethane
Concen: 21.044 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:107 Resp: 2198

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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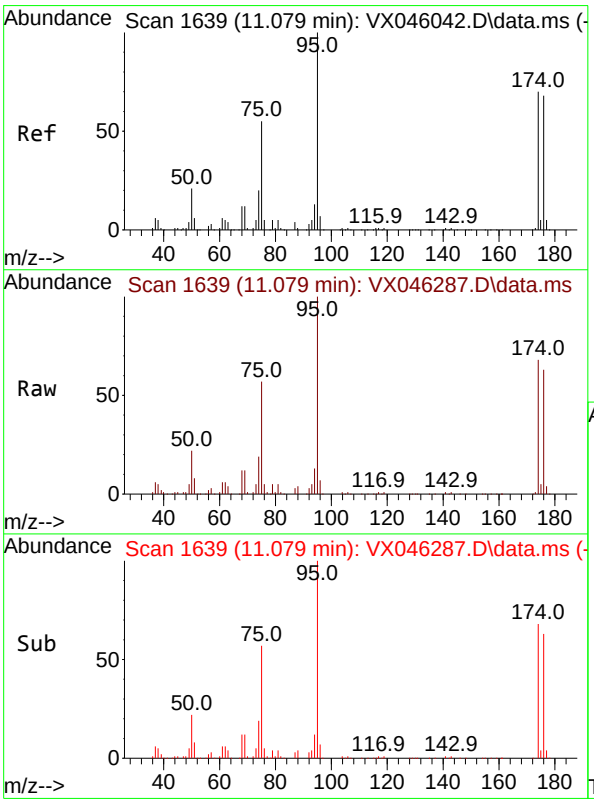
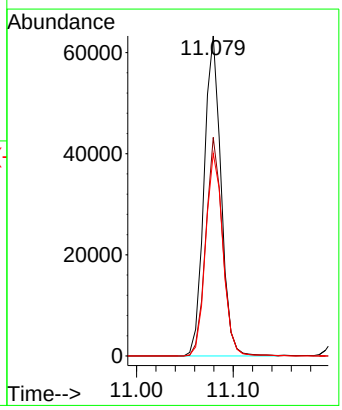
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

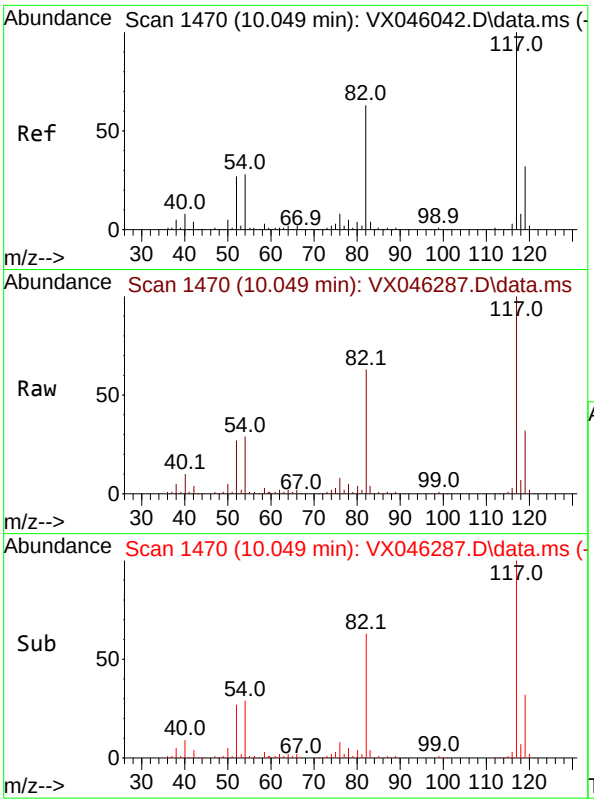


#62
4-Bromofluorobenzene
Concen: 55.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 95 Resp: 77180

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	64.5	0.0	131.4

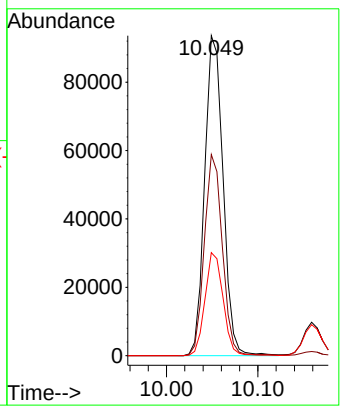




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 13047

Ion	Ratio	Lower	Upper
117	100		
82	62.9	50.6	76.0
119	32.2	25.8	38.6



Instrument :
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ClientSampleId :
VX0521WBS01

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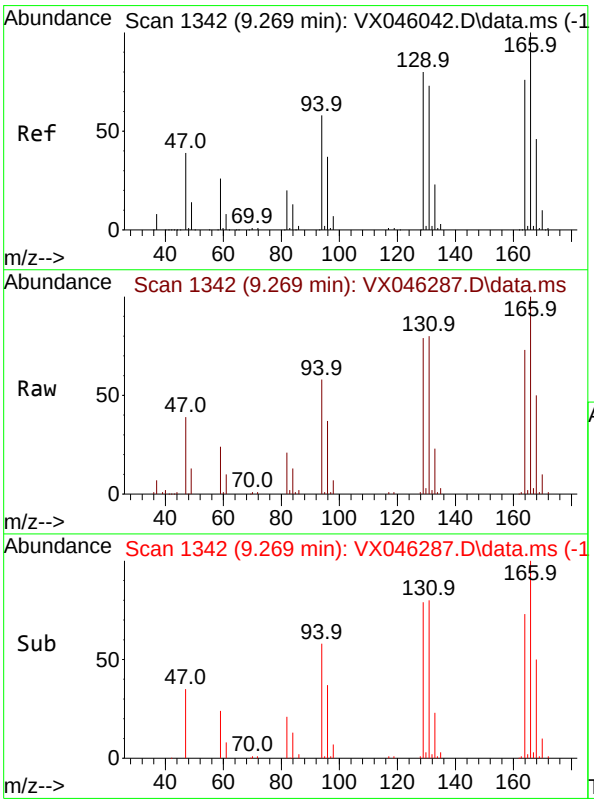
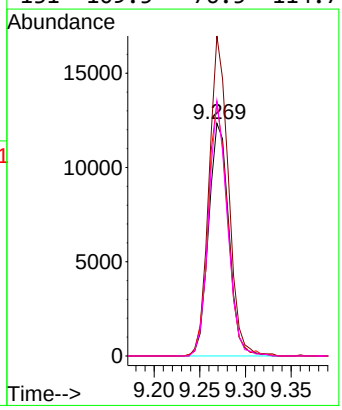
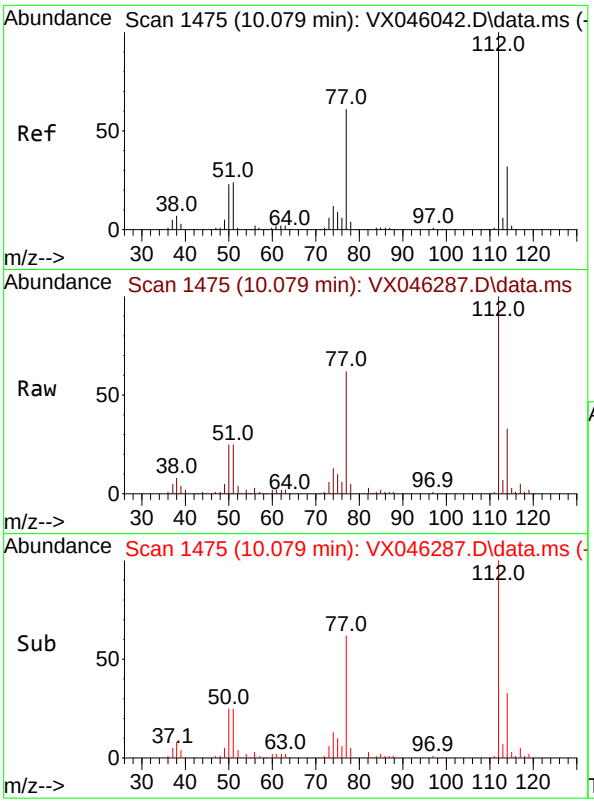


#64
Tetrachloroethene
Concen: 20.459 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:164 Resp: 18888

Ion	Ratio	Lower	Upper
164	100		
166	137.6	105.0	157.6
129	108.9	83.5	125.3
131	109.5	76.5	114.7





#65
Chlorobenzene
Concen: 19.813 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:112 Resp: 5658

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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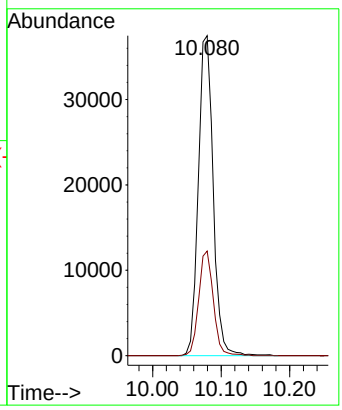
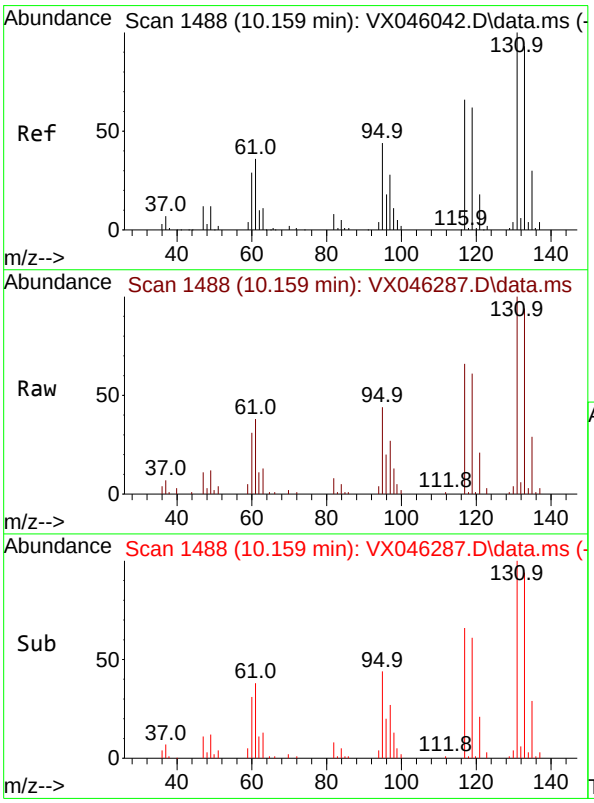
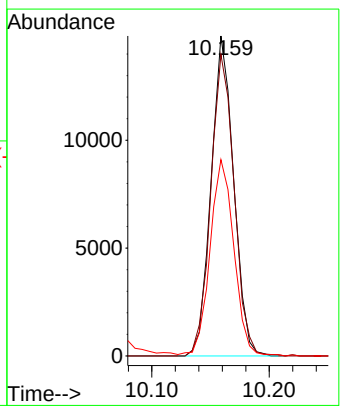


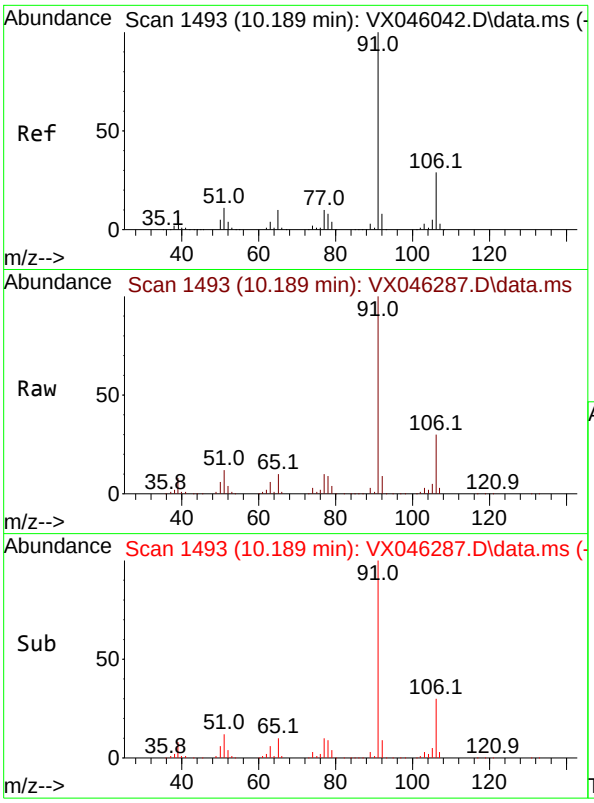


#66
1,1,1,2-Tetrachloroethane
Concen: 20.321 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:131 Resp: 19817

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.3	141.9
119	65.0	31.6	95.0





#67
Ethyl Benzene
Concen: 20.071 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 10104

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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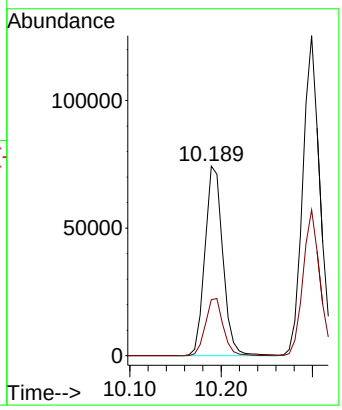
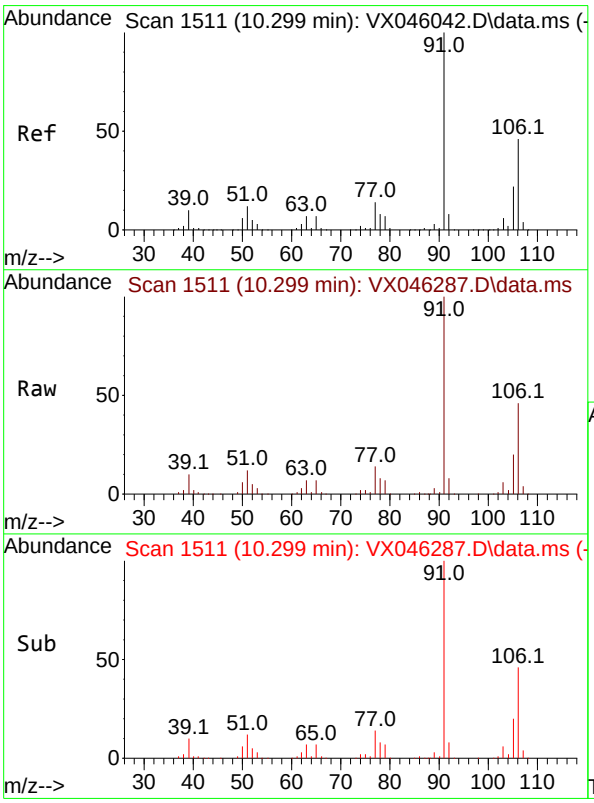
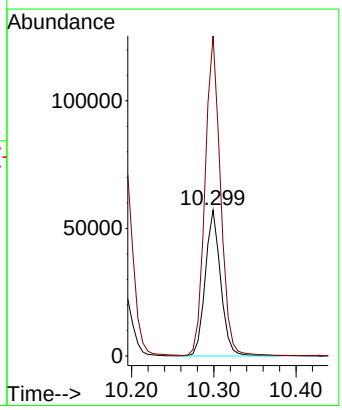


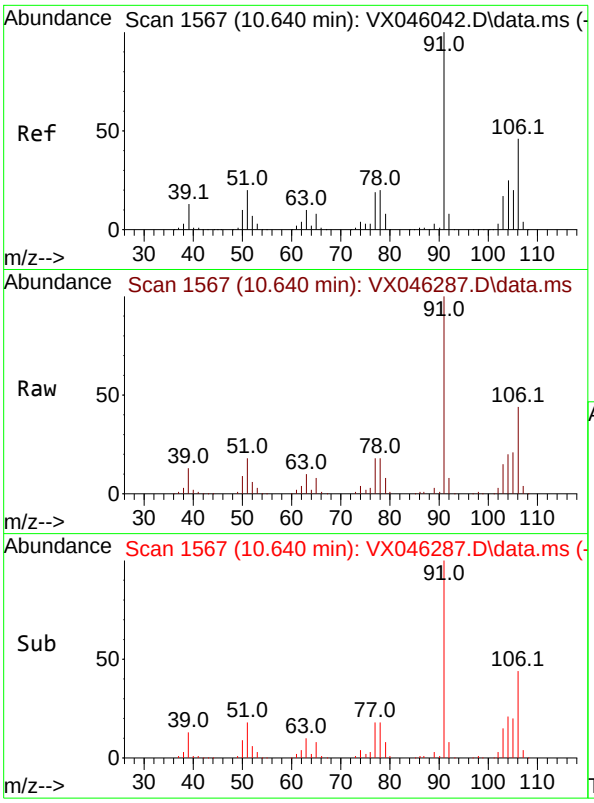


#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:106 Resp: 74216

Ion	Ratio	Lower	Upper
106	100		
91	220.6	171.2	256.8

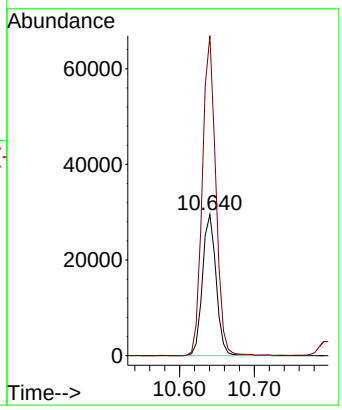




#69
o-Xylene
Concen: 20.882 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:106 Resp: 3748

Ion	Ratio	Lower	Upper
106	100		
91	224.0	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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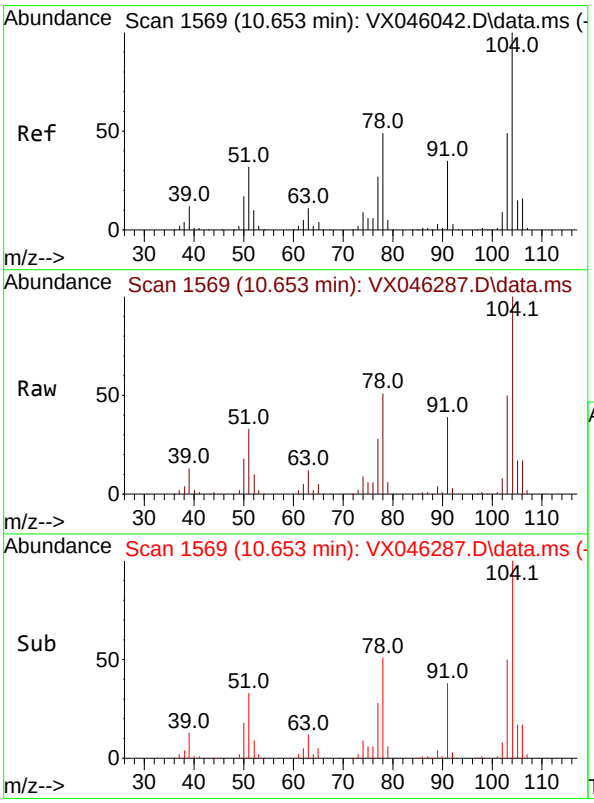
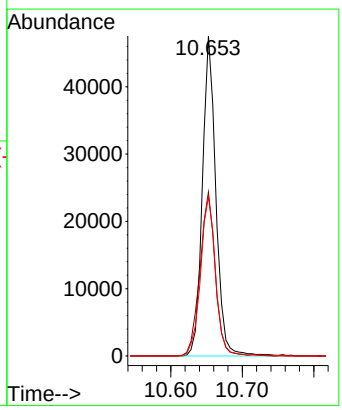
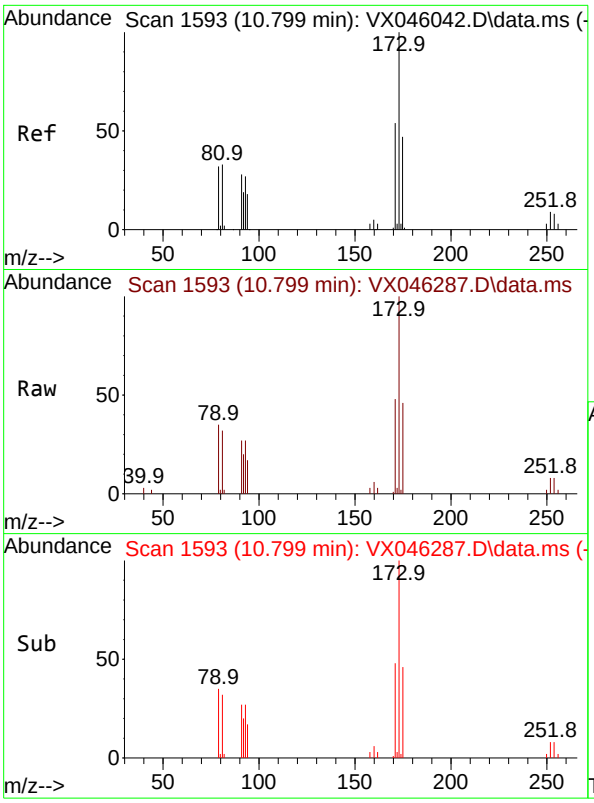


#70
Styrene
Concen: 21.194 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:104 Resp: 62320

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	55.7	43.7	65.5

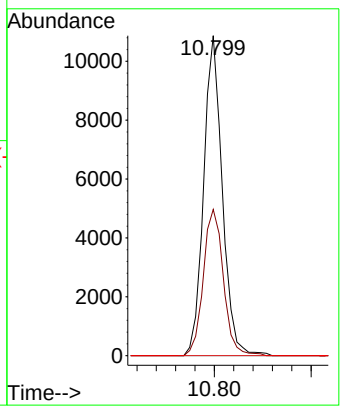




#71
Bromoform
Concen: 19.934 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:173 Resp: 1459

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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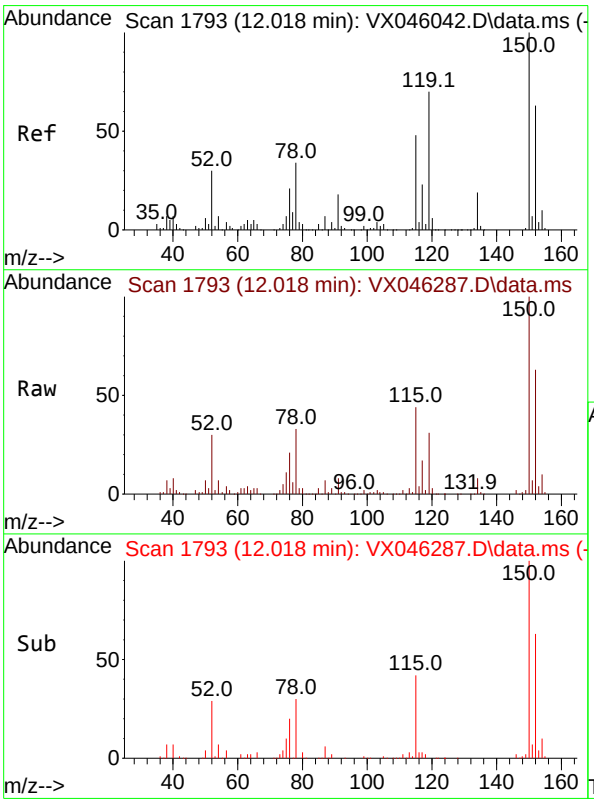
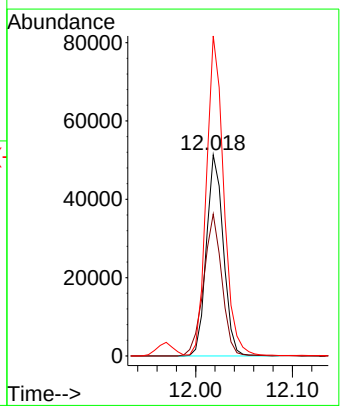
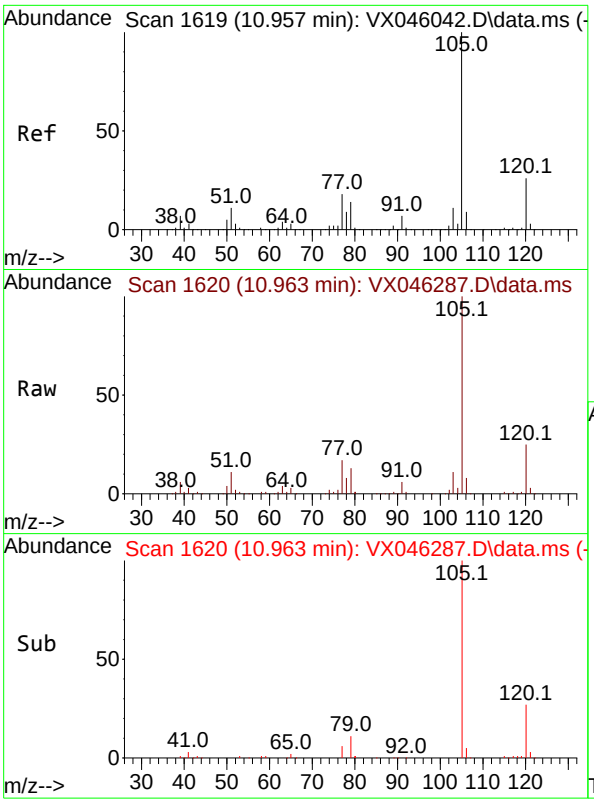


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:152 Resp: 62651

Ion	Ratio	Lower	Upper
152	100		
115	75.7	46.9	140.7
150	162.2	0.0	351.0





#73
Isopropylbenzene
Concen: 20.380 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 9940

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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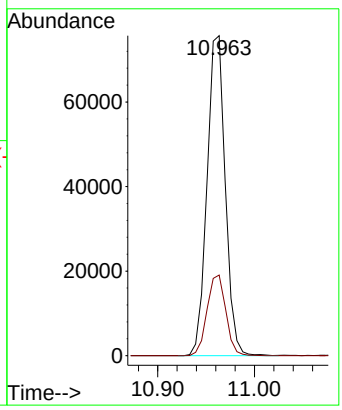
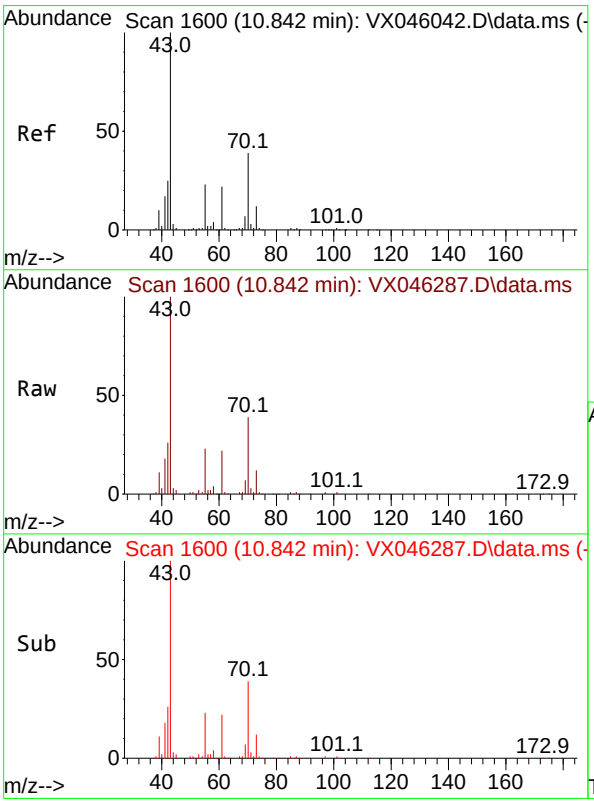
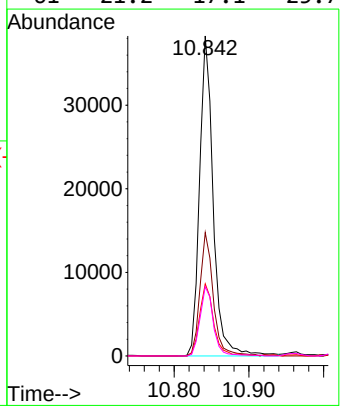


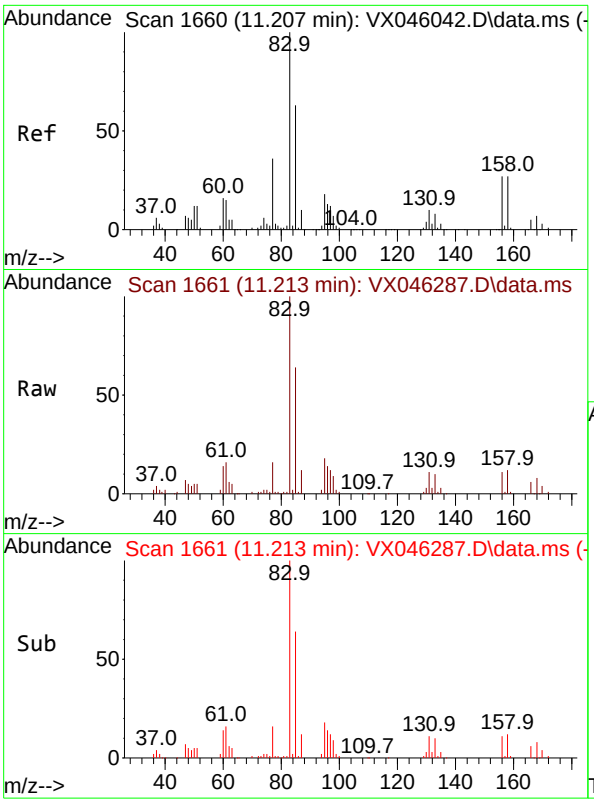


#74
N-amyl acetate
Concen: 20.193 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 48670

Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.9	46.3
55	23.3	18.7	28.1
61	21.2	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.427 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 3491

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	63.1	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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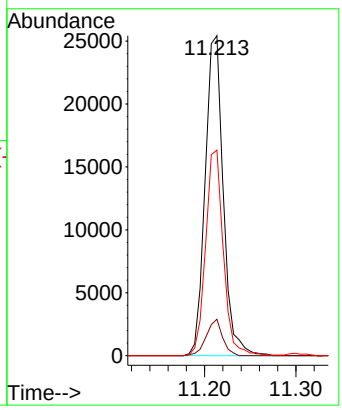
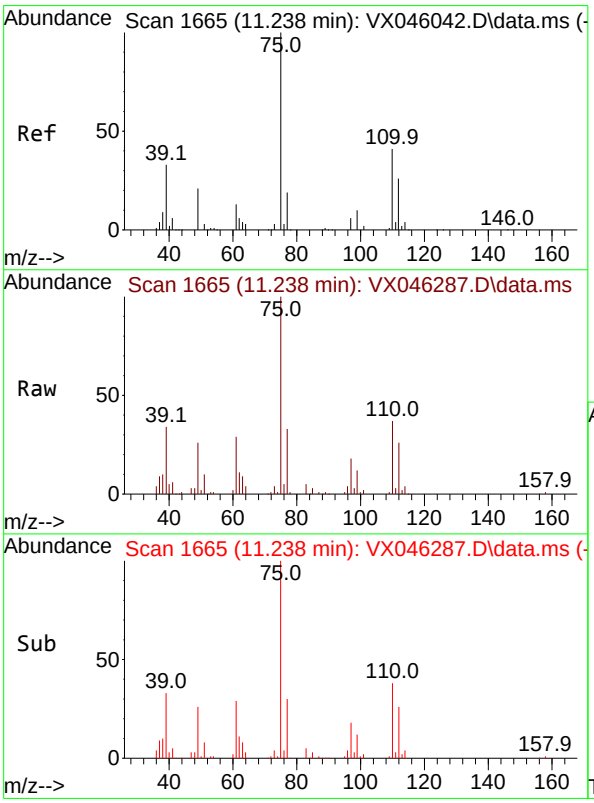
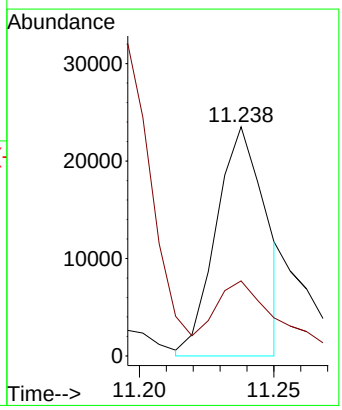


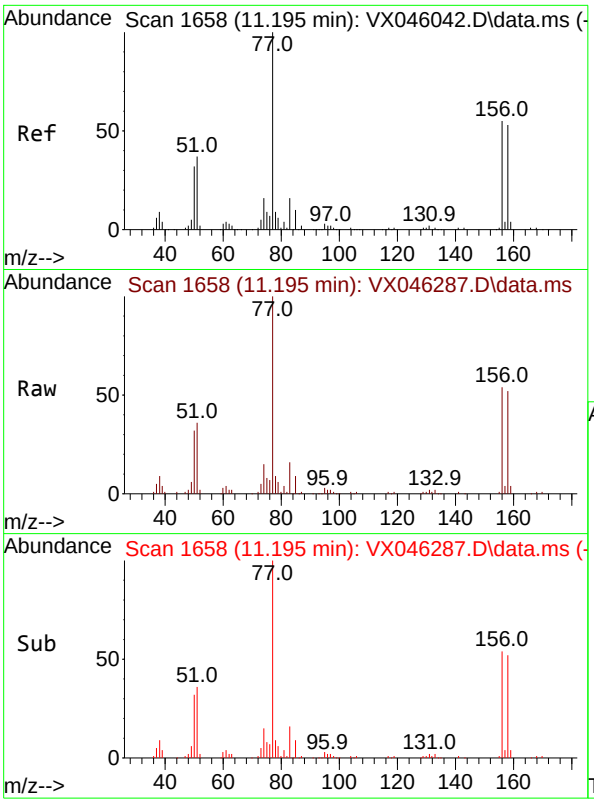


#76
1,2,3-Trichloropropane
Concen: 20.019 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 30189

Ion	Ratio	Lower	Upper
75	100		
77	42.9	20.5	61.5

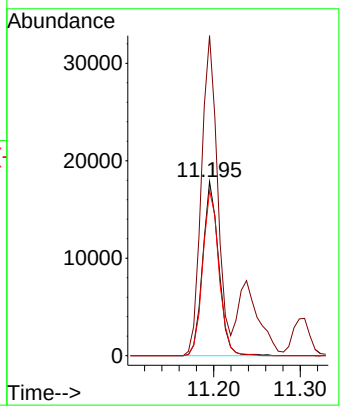




#77
Bromobenzene
Concen: 20.285 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:156 Resp: 2297

Ion	Ratio	Lower	Upper
156	100		
77	185.3	92.8	278.3
158	96.3	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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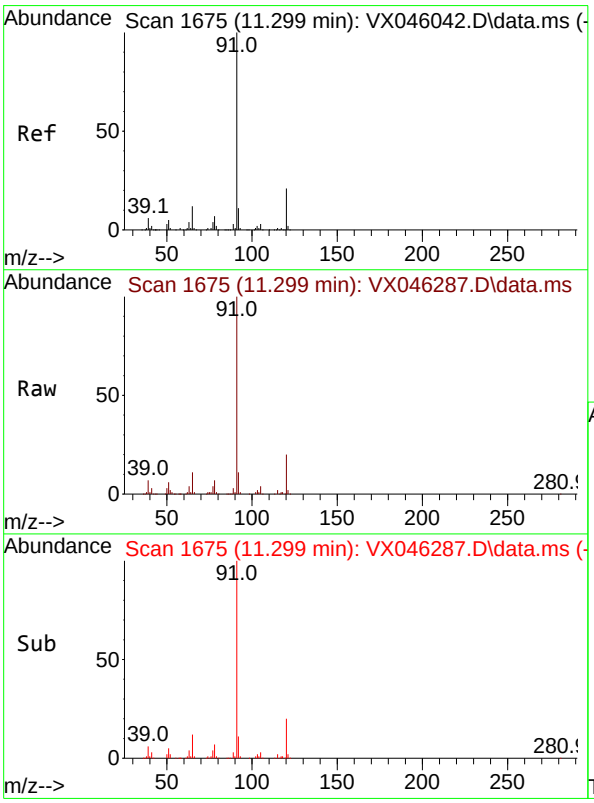
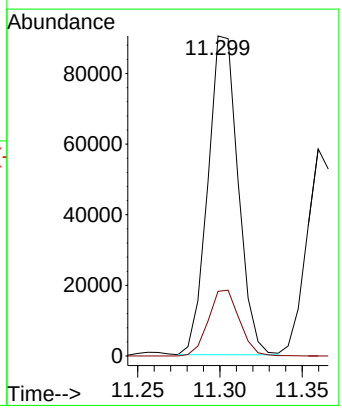
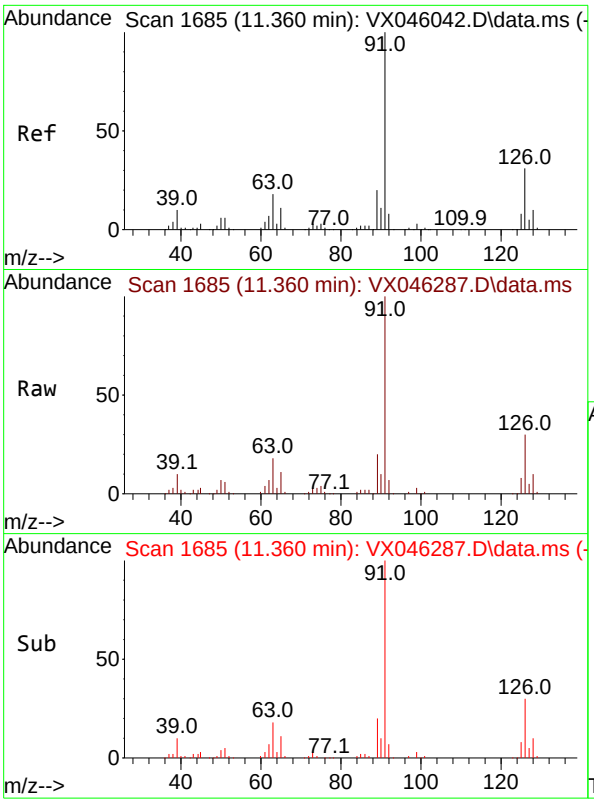


#78
n-propylbenzene
Concen: 20.405 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 115726

Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.4





#79
2-Chlorotoluene
Concen: 20.320 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

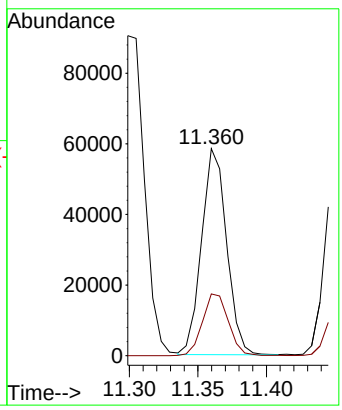
Tgt Ion: 91 Resp: 7433

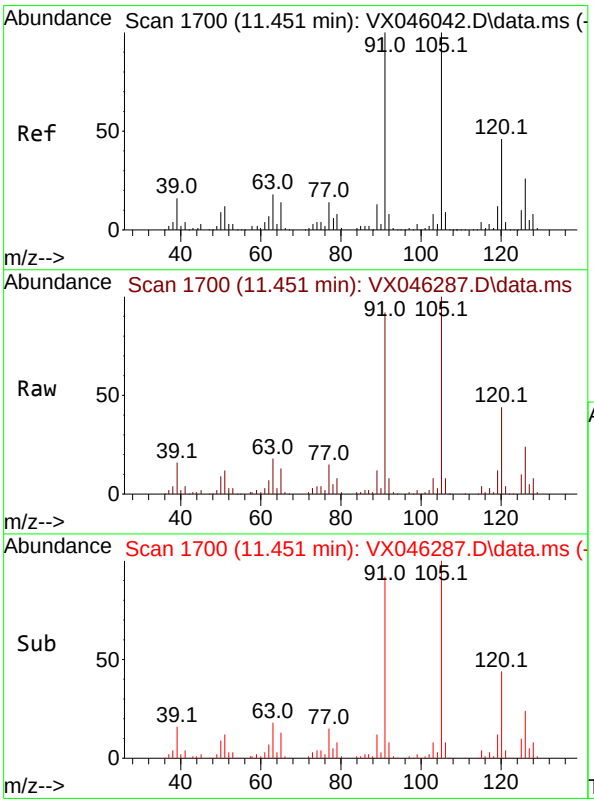
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

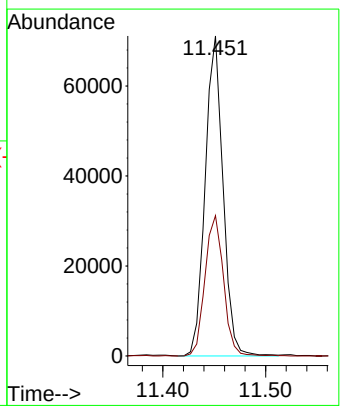


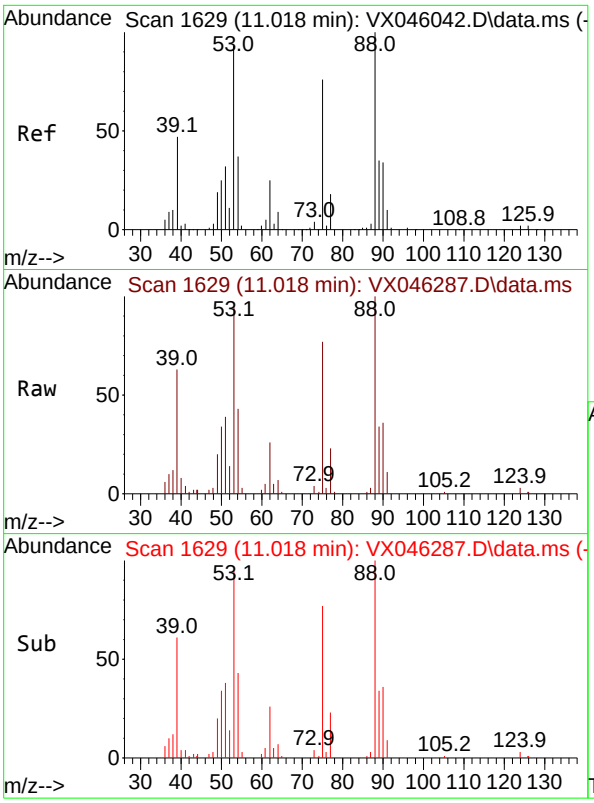


#80
1,3,5-Trimethylbenzene
Concen: 21.070 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 85859

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.287 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

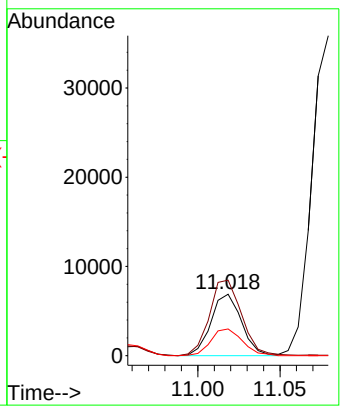
Tgt Ion: 75 Resp: 893

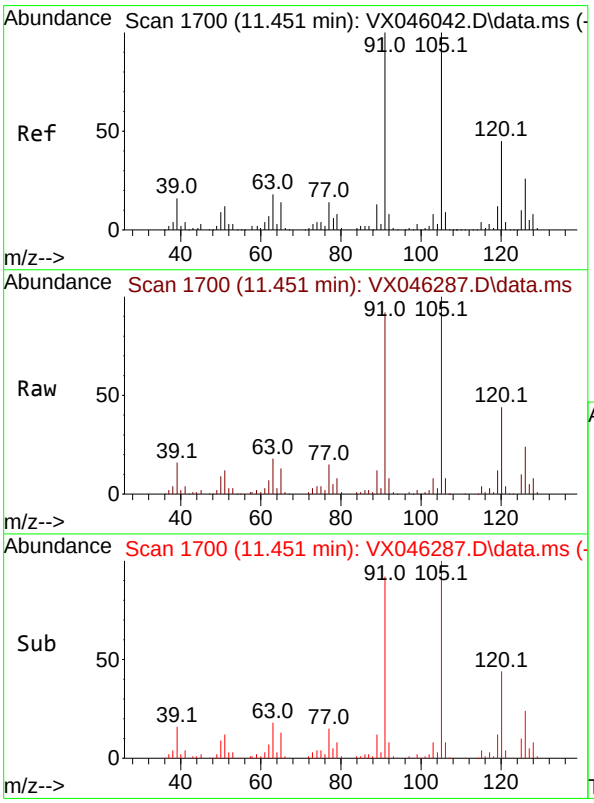
Ion	Ratio	Lower	Upper
75	100		
53	130.2	100.5	150.7
89	44.9	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

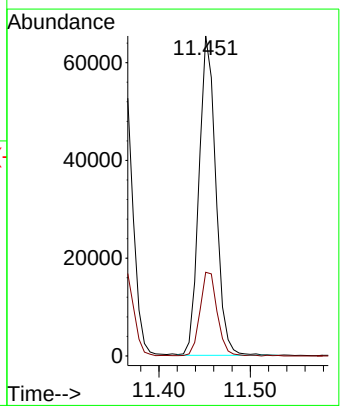


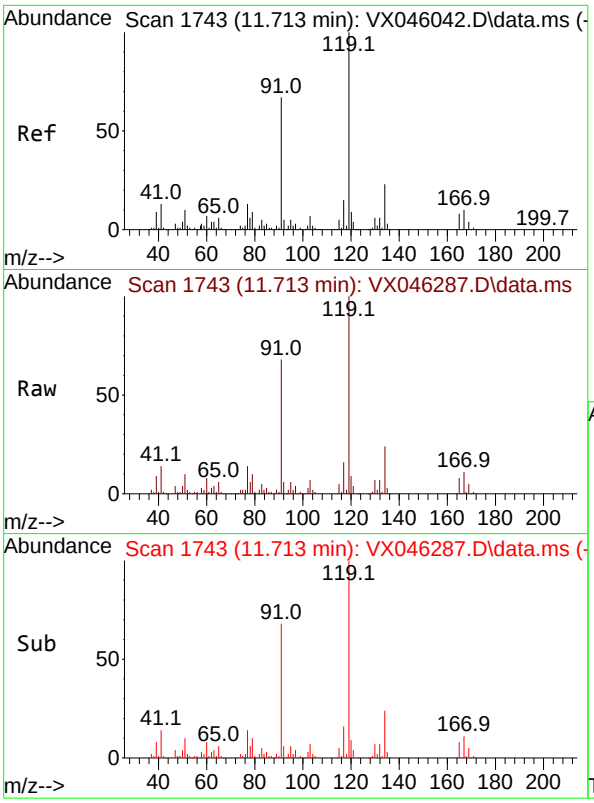


#82
4-Chlorotoluene
Concen: 20.550 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 83363

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8

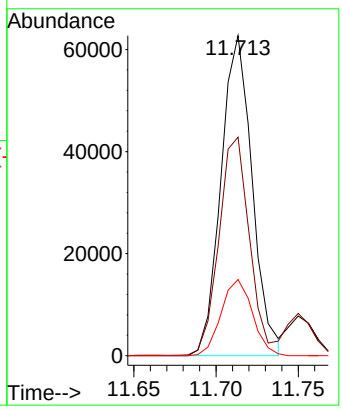




#83
tert-Butylbenzene
Concen: 20.208 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:119 Resp: 8294

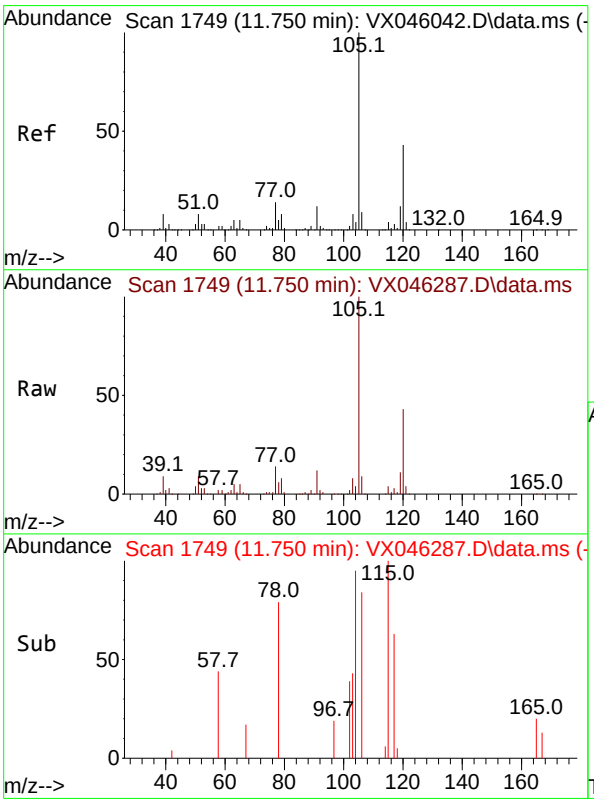
Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.7
134	23.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

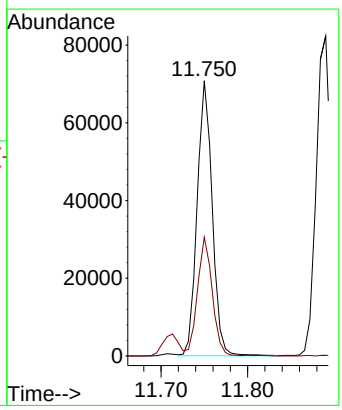
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

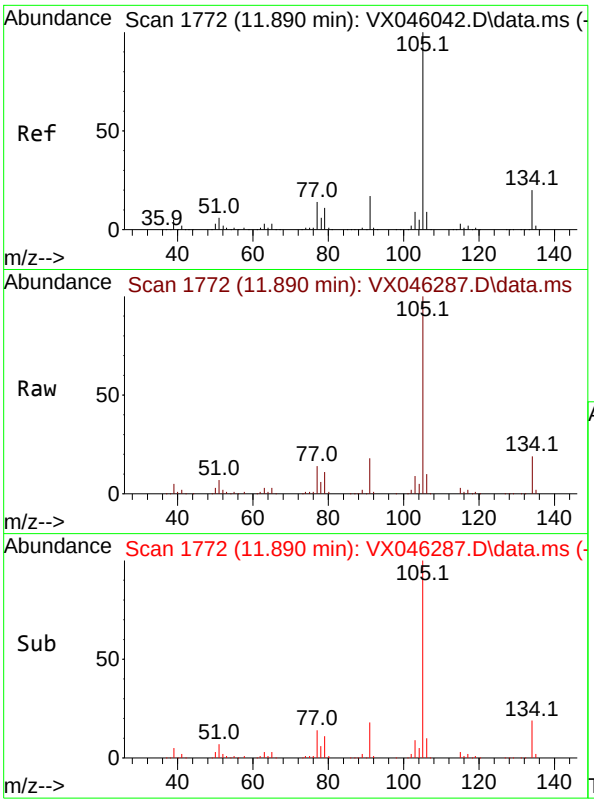


#84
1,2,4-Trimethylbenzene
Concen: 20.726 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 85525

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6





#85
sec-Butylbenzene
Concen: 20.349 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

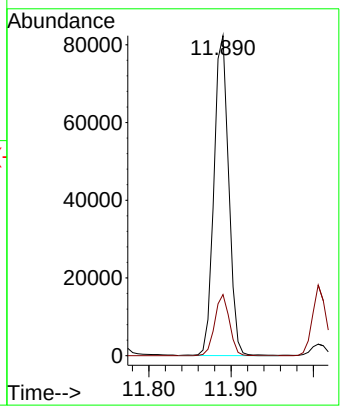
Tgt Ion:105 Resp: 10255

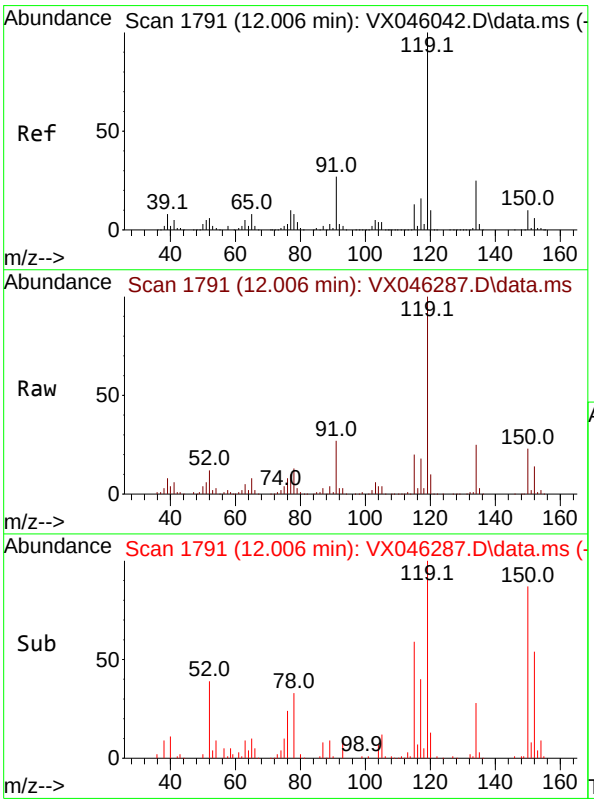
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

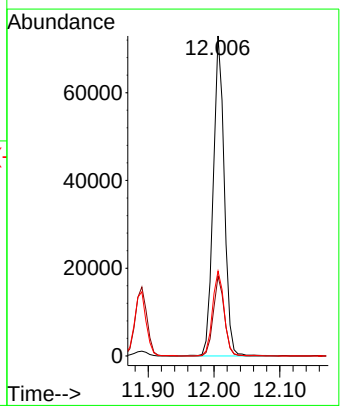


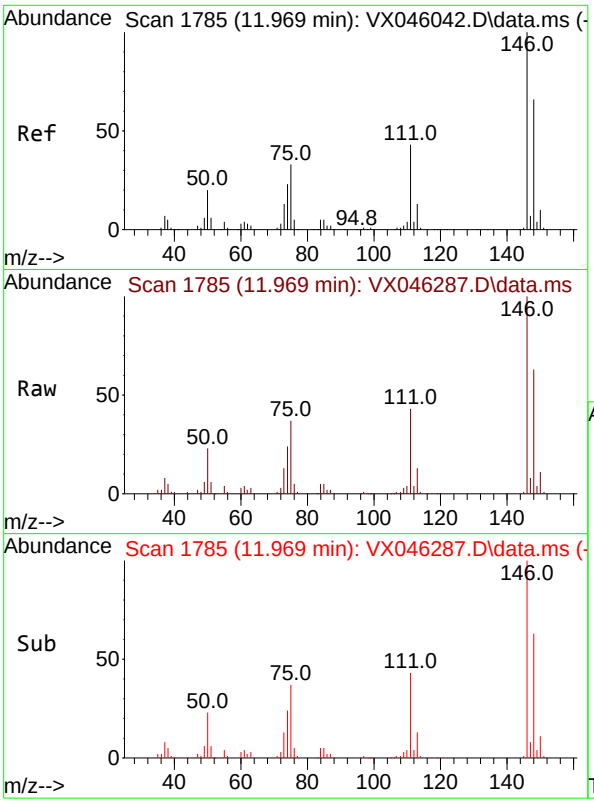


#86
p-Isopropyltoluene
Concen: 20.514 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:119 Resp: 85338

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	27.8	13.8	41.4

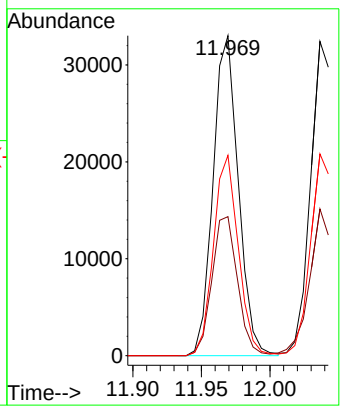




#87
1,3-Dichlorobenzene
Concen: 20.468 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:146 Resp: 4230

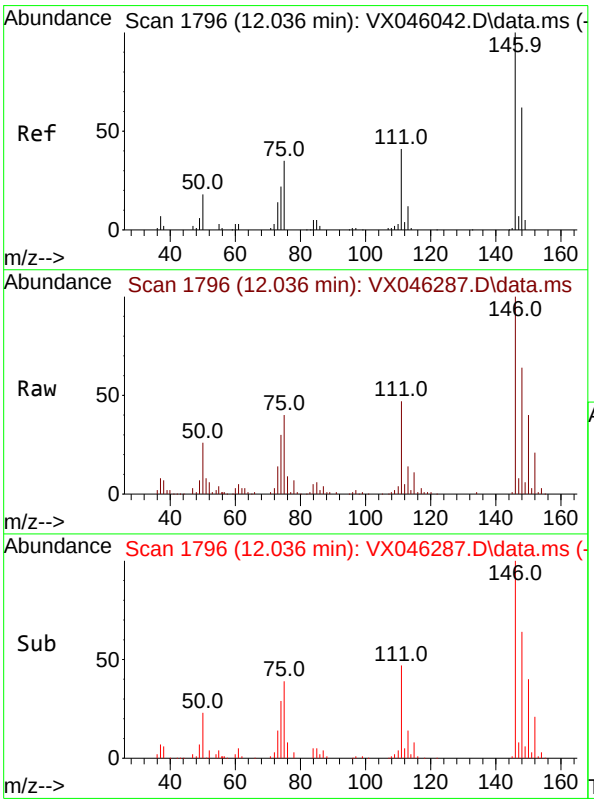
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	61.6	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

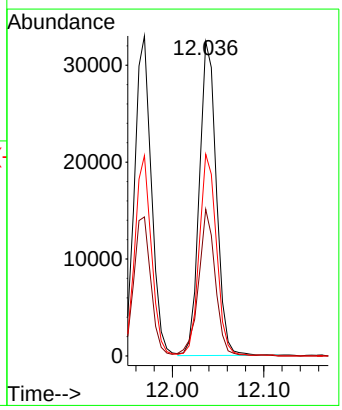
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

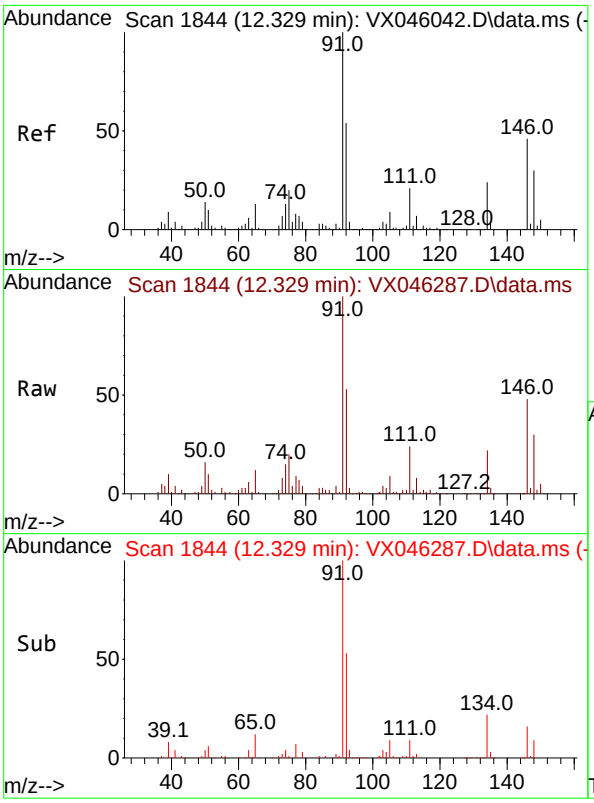


#88
1,4-Dichlorobenzene
Concen: 19.797 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:146 Resp: 41784

Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.3	63.9
148	64.4	31.9	95.5

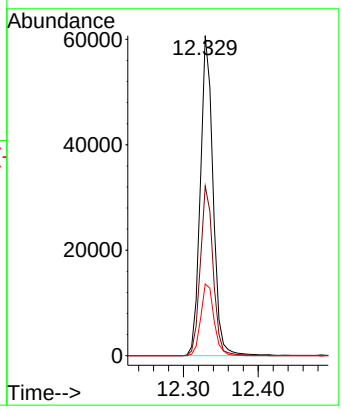




#89
n-Butylbenzene
Concen: 19.656 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 7172

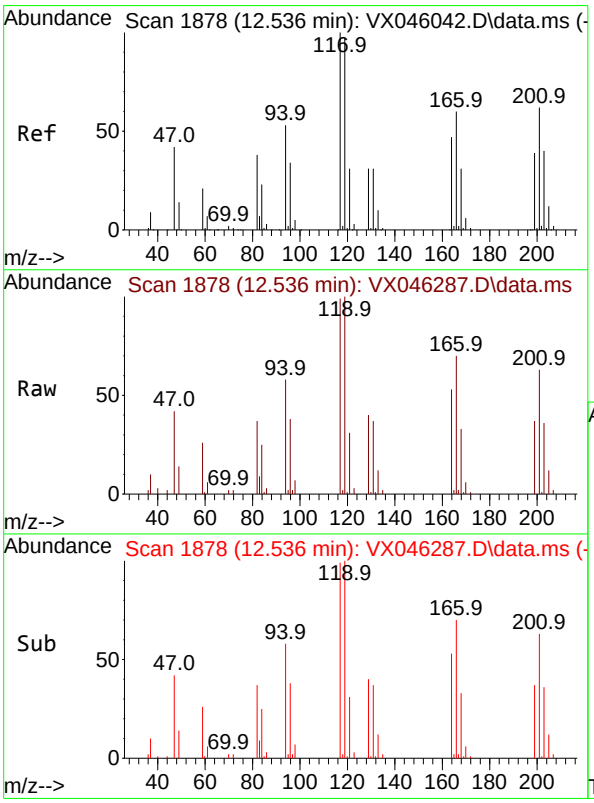
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	23.3	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

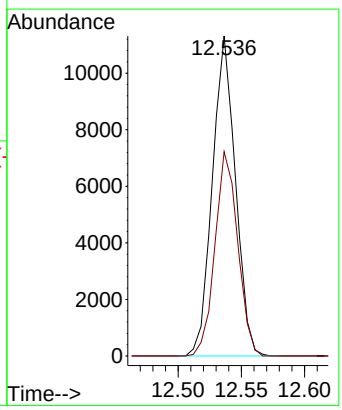
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

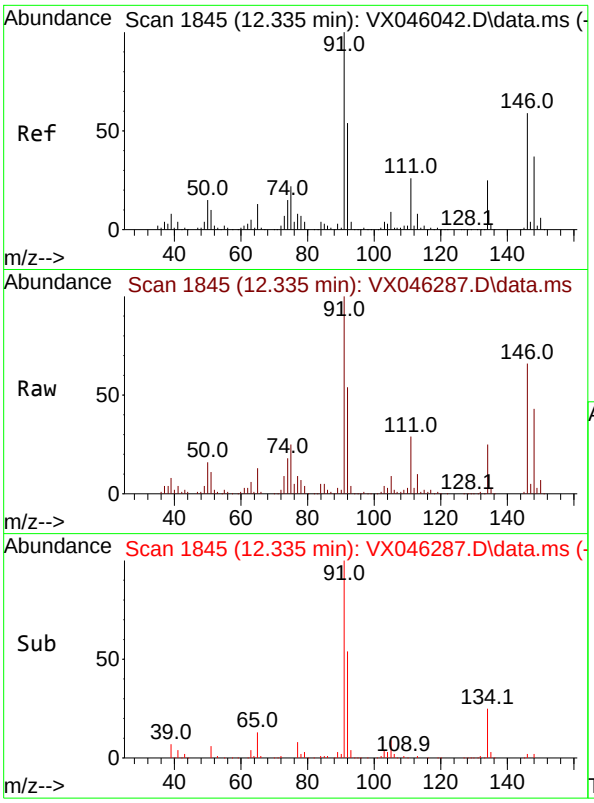


#90
Hexachloroethane
Concen: 19.520 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 14306

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7

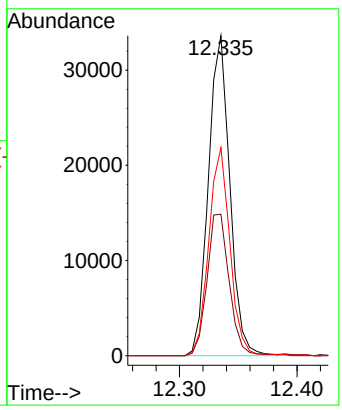




#91
1,2-Dichlorobenzene
Concen: 20.529 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:146 Resp: 4257

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.4	67.3
148	64.3	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
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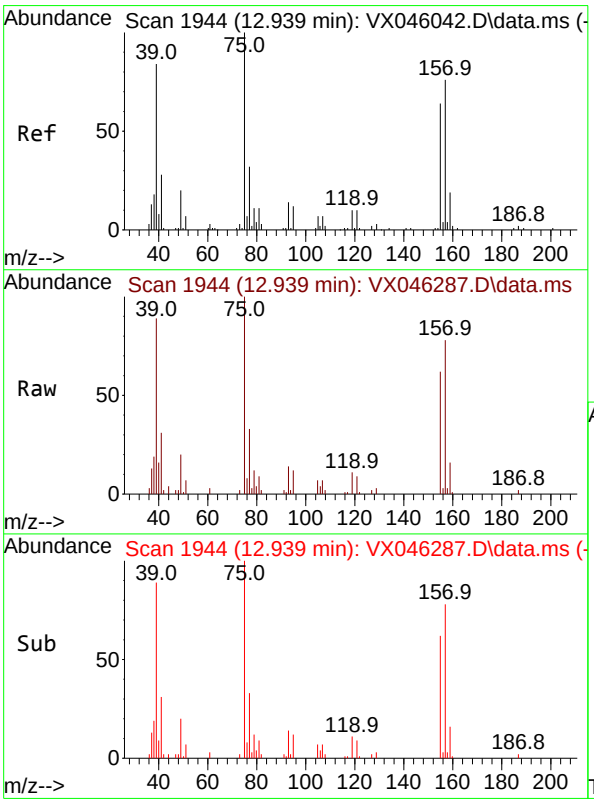
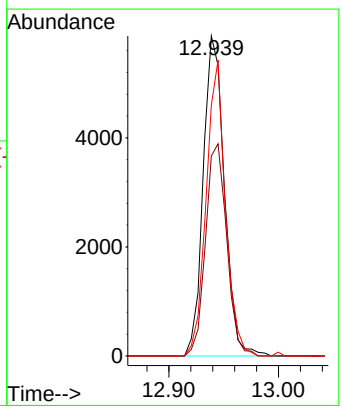
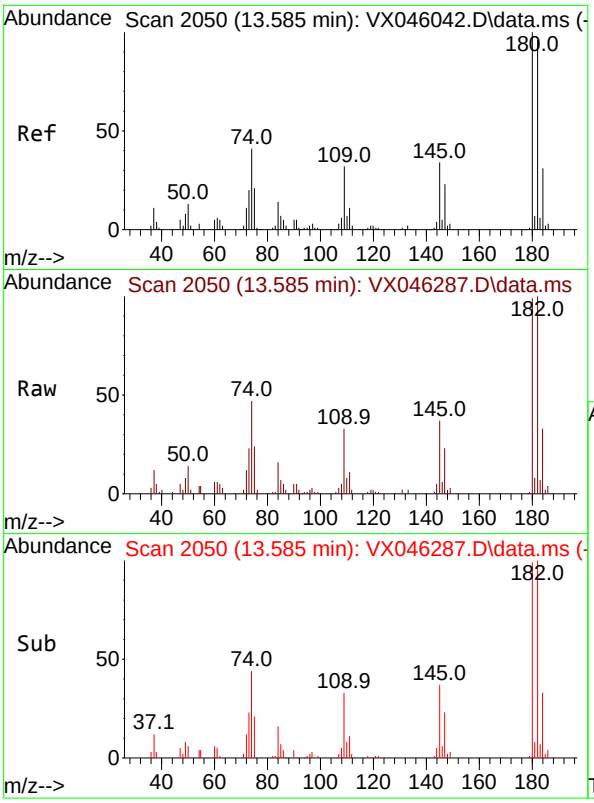


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.757 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 7860

Ion	Ratio	Lower	Upper
75	100		
155	66.5	34.9	104.8
157	84.2	43.8	131.4

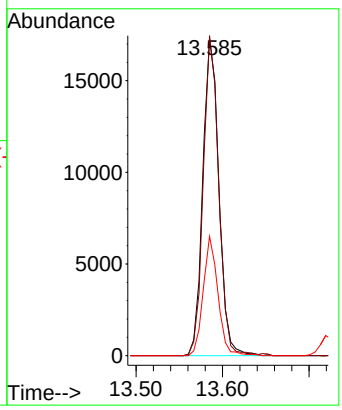




#93
1,2,4-Trichlorobenzene
Concen: 18.785 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:180 Resp: 2237

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.8
145	34.4	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
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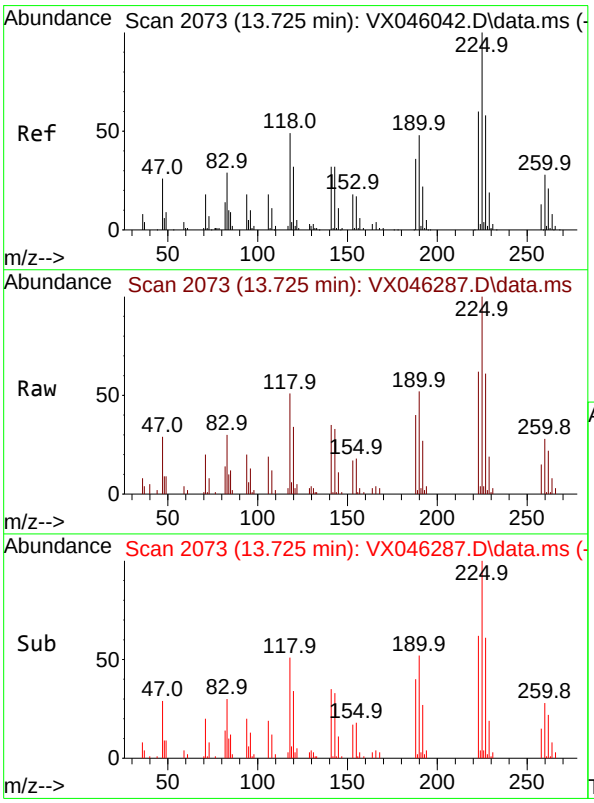
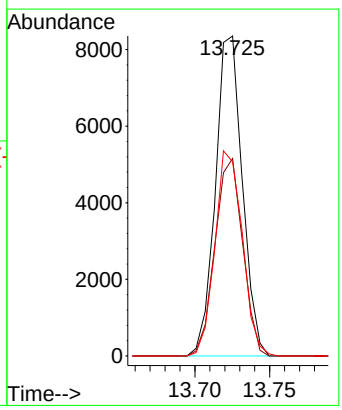
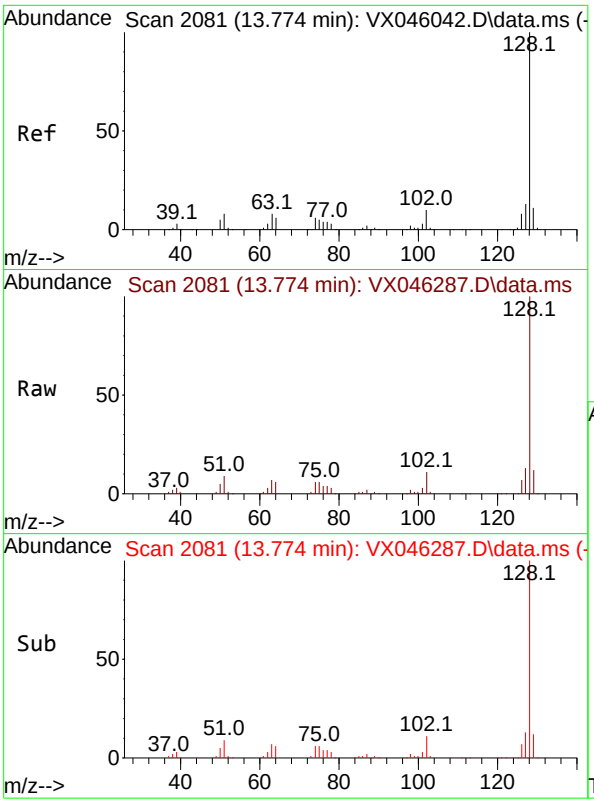


#94
Hexachlorobutadiene
Concen: 20.103 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:225 Resp: 10458

Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.4
227	65.2	30.9	92.7

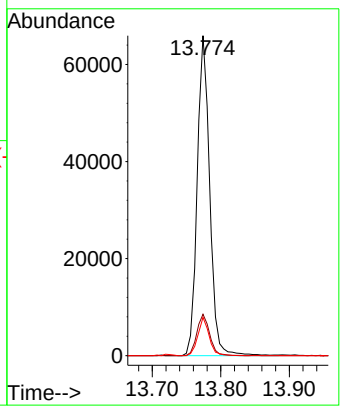




#95
Naphthalene
Concen: 19.190 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:128 Resp: 8383

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
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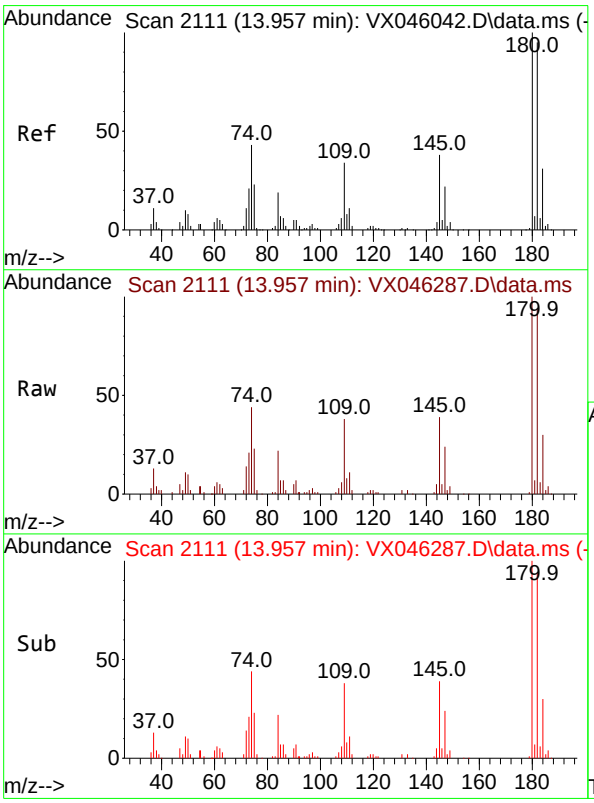
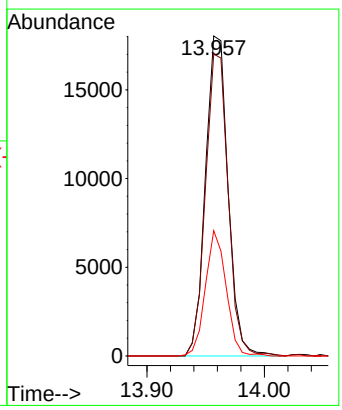


#96
1,2,3-Trichlorobenzene
Concen: 19.602 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:180 Resp: 24092

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	36.0	18.1	54.3



Raw Data: **VX046335.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0523MBS01	SDG No.:	Q2075
Lab Sample ID:	VX0523MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046335.D	1		05/23/25 11:23	VX052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	2000		79.0	500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg
100-41-4	Ethyl Benzene	2000		67.0	500	ug/Kg
1330-20-7	Total Xylenes	6100		202	1500	ug/Kg
98-82-8	Isopropylbenzene	2000		78.0	500	ug/Kg
103-65-1	n-propylbenzene	1900		73.0	500	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	2100		82.0	500	ug/Kg
98-06-6	tert-Butylbenzene	2000		67.0	500	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2000		64.0	500	ug/Kg
135-98-8	sec-Butylbenzene	2000		66.0	500	ug/Kg
99-87-6	p-Isopropyltoluene	2000		62.0	500	ug/Kg
104-51-8	n-Butylbenzene	1900		150	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		38 - 136	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83300	5.544			
540-36-3	1,4-Difluorobenzene	146000	6.757			
3114-55-4	Chlorobenzene-d5	129000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046335.D
Acq On : 23 May 2025 11:23
Operator : JC/MD
Sample : VX0523MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 22:58:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80793	52.000	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.000%			
35) Dibromofluoromethane	5.379	113	55217	52.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.800%			
50) Toluene-d8	8.641	98	183386	50.285	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.560%			
62) 4-Bromofluorobenzene	11.079	95	72498	51.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	24012	18.824	ug/l	96
3) Chloromethane	1.301	50	22141	17.899	ug/l	97
4) Vinyl Chloride	1.374	62	20303	17.636	ug/l	100
5) Bromomethane	1.593	94	9533	17.853	ug/l	97
6) Chloroethane	1.673	64	11803	19.205	ug/l #	88
7) Trichlorofluoromethane	1.874	101	33076	19.440	ug/l	100
8) Diethyl Ether	2.136	74	11188	19.316	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	20510	19.479	ug/l	96
10) Methyl Iodide	2.447	142	22217	17.832	ug/l	99
11) Tert butyl alcohol	2.971	59	24119	110.589	ug/l	100
12) 1,1-Dichloroethene	2.313	96	18073	18.289	ug/l	96
13) Acrolein	2.233	56	22344	89.960	ug/l	96
14) Allyl chloride	2.660	41	37635	19.927	ug/l	97
15) Acrylonitrile	3.063	53	67193	107.745	ug/l	97
16) Acetone	2.380	43	65887	105.763	ug/l	100
17) Carbon Disulfide	2.502	76	35408	15.113	ug/l	98
18) Methyl Acetate	2.703	43	37022	25.610	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72260	20.857	ug/l	99
20) Methylene Chloride	2.782	84	22554	18.892	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	18791	18.908	ug/l	94
22) Diisopropyl ether	3.758	45	77884	21.349	ug/l	97
23) Vinyl Acetate	3.715	43	329587	102.717	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41400	20.374	ug/l	99
25) 2-Butanone	4.556	43	98390	108.788	ug/l	99
26) 2,2-Dichloropropane	4.471	77	30656	19.275	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	24119	20.160	ug/l	100
28) Bromochloromethane	4.891	49	22388	22.890	ug/l	96
29) Tetrahydrofuran	5.001	42	61453	108.434	ug/l	99
30) Chloroform	5.087	83	44553	21.036	ug/l	97
31) Cyclohexane	5.465	56	34494	18.629	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	37180	20.251	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26465	18.693	ug/l	99
37) Ethyl Acetate	4.709	43	35825	20.482	ug/l	100
38) Carbon Tetrachloride	5.672	117	31065	19.529	ug/l	98
39) Methylcyclohexane	7.373	83	33998	18.653	ug/l	96
40) Benzene	6.032	78	82957	20.005	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046335.D
Acq On : 23 May 2025 11:23
Operator : JC/MD
Sample : VX0523MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 22:58:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	20663	22.583	ug/l		98
42) 1,2-Dichloroethane	6.080	62	37863	21.156	ug/l		98
43) Isopropyl Acetate	6.336	43	57284	21.467	ug/l		100
44) Trichloroethene	7.117	130	19078	19.115	ug/l		88
45) 1,2-Dichloropropane	7.428	63	22417	21.740	ug/l		96
46) Dibromomethane	7.574	93	17071	20.991	ug/l		99
47) Bromodichloromethane	7.818	83	33730	21.058	ug/l		98
48) Methyl methacrylate	7.690	41	29827	21.887	ug/l		99
49) 1,4-Dioxane	7.659	88	11796	455.874	ug/l		96
51) 4-Methyl-2-Pentanone	8.568	43	200509	113.201	ug/l		98
52) Toluene	8.714	92	51247	20.154	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	28285	19.867	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31971	20.317	ug/l		90
55) 1,1,2-Trichloroethane	9.147	97	22231	22.173	ug/l		99
56) Ethyl methacrylate	9.116	69	34778	21.764	ug/l		98
57) 1,3-Dichloropropane	9.305	76	38469	21.364	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	89677	110.078	ug/l		100
59) 2-Hexanone	9.427	43	149052	113.742	ug/l		100
60) Dibromochloromethane	9.519	129	24084	21.873	ug/l		97
61) 1,2-Dibromoethane	9.604	107	21934	21.048	ug/l		97
64) Tetrachloroethene	9.269	164	17973	19.627	ug/l		96
65) Chlorobenzene	10.073	112	56685	20.010	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	20064	20.742	ug/l		98
67) Ethyl Benzene	10.189	91	101034	20.233	ug/l		100
68) m/p-Xylenes	10.299	106	73066	40.007	ug/l		96
69) o-Xylene	10.640	106	36611	20.562	ug/l		98
70) Styrene	10.653	104	61465	21.074	ug/l		99
71) Bromoform	10.799	173	14969	20.611	ug/l	#	100
73) Isopropylbenzene	10.957	105	98814	20.038	ug/l		99
74) N-amyl acetate	10.842	43	49793	20.434	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34877	20.182	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	31782m	20.845	ug/l		
77) Bromobenzene	11.195	156	22622	19.759	ug/l		100
78) n-propylbenzene	11.299	91	111773	19.493	ug/l		99
79) 2-Chlorotoluene	11.360	91	72288	19.546	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	84521	20.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8670	18.513	ug/l		97
82) 4-Chlorotoluene	11.451	91	82736	20.173	ug/l		99
83) tert-Butylbenzene	11.713	119	83458	20.111	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	84911	20.352	ug/l		99
85) sec-Butylbenzene	11.890	105	103088	20.232	ug/l		100
86) p-Isopropyltoluene	12.006	119	84901	20.187	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	41699	19.957	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	42891	20.100	ug/l		98
89) n-Butylbenzene	12.329	91	71274	19.320	ug/l		99
90) Hexachloroethane	12.536	117	14029	18.934	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	43546	20.768	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7983	20.852	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	23430	19.456	ug/l		99
94) Hexachlorobutadiene	13.725	225	10588	20.131	ug/l		98
95) Naphthalene	13.774	128	84951	19.233	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	24921	20.055	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046335.D
Acq On : 23 May 2025 11:23
Operator : JC/MD
Sample : VX0523MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 22:58:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sample Results: **VX046335.D**

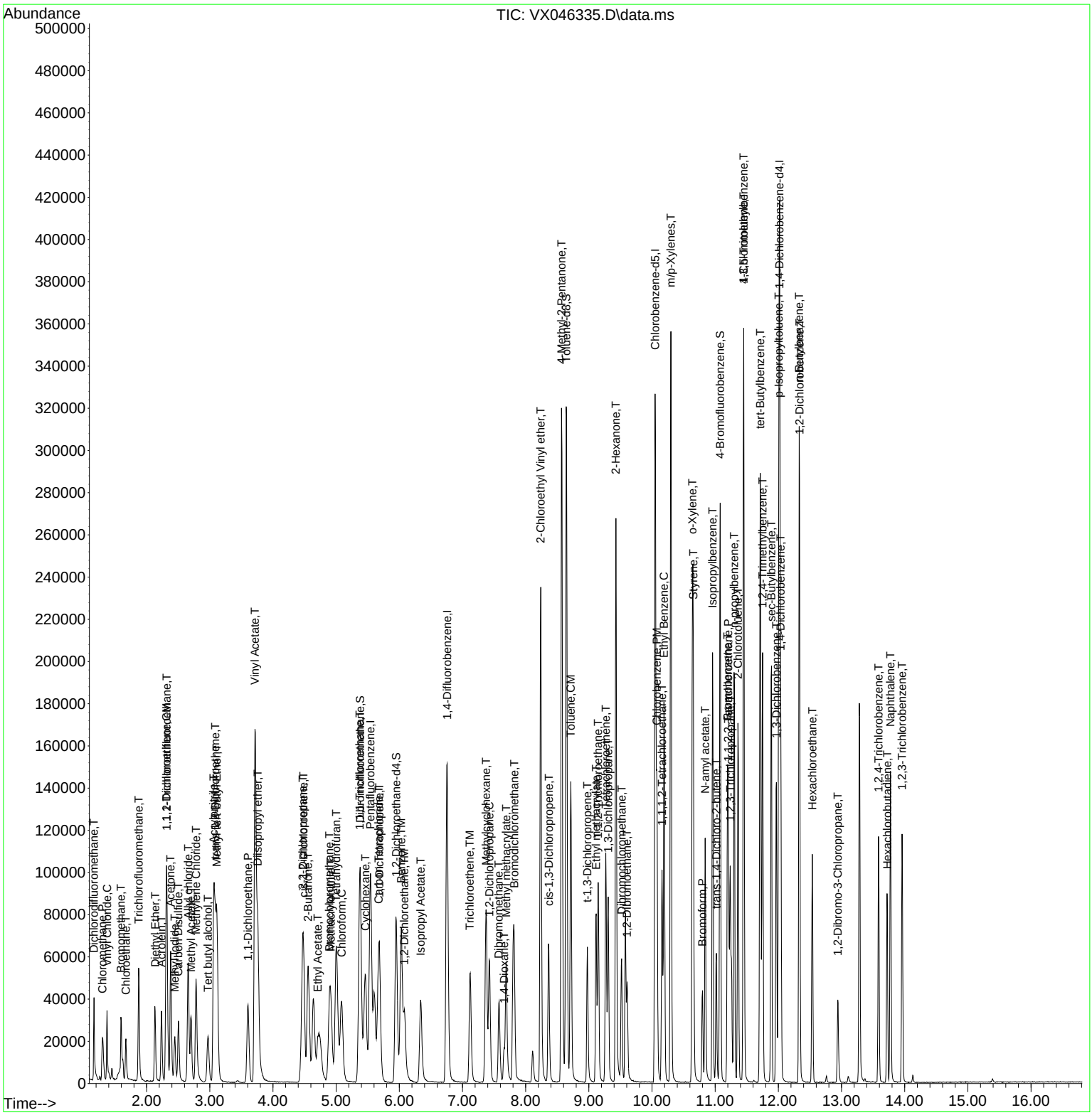
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046335.D
Acq On : 23 May 2025 11:23
Operator : JC/MD
Sample : VX0523MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 6 Sample Multiplier: 1

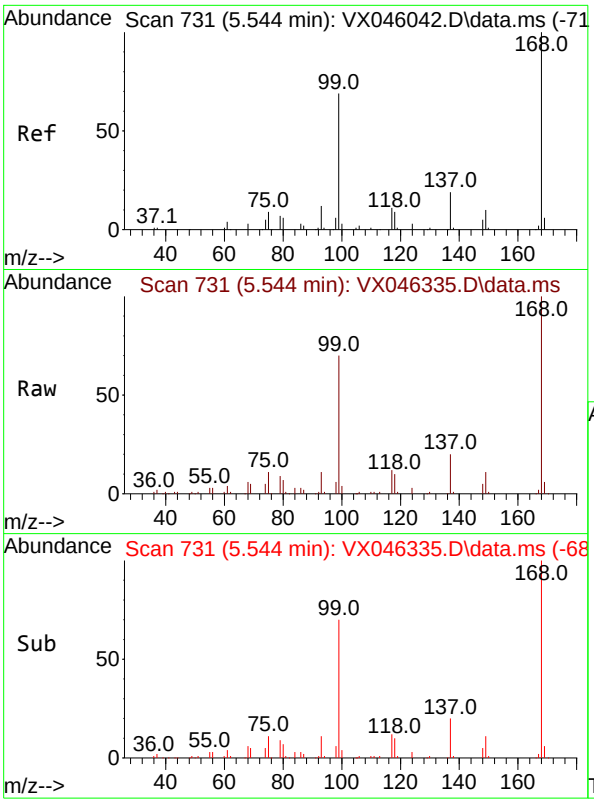
Quant Time: May 23 22:58:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

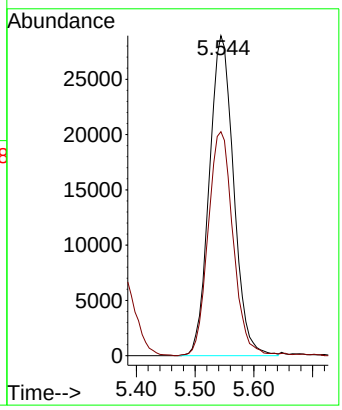




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:168 Resp: 8334

Ion	Ratio	Lower	Upper
168	100		
99	70.0	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
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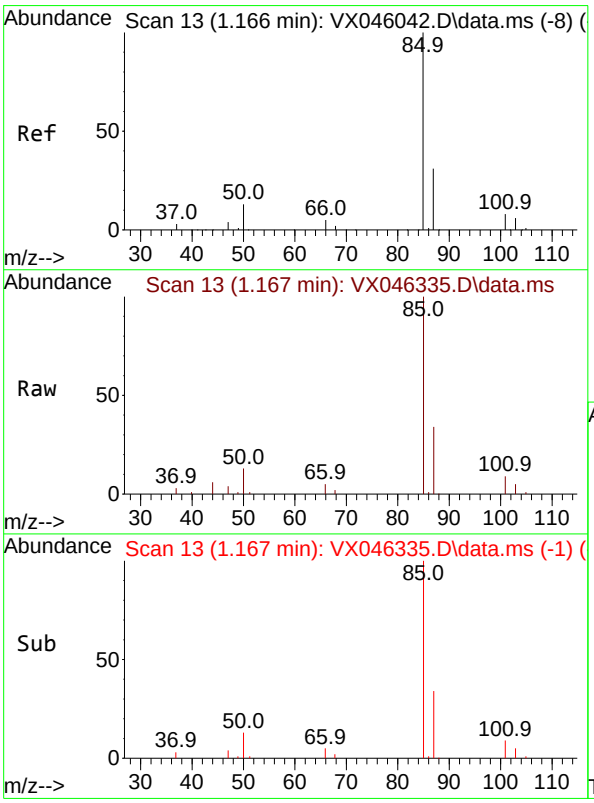
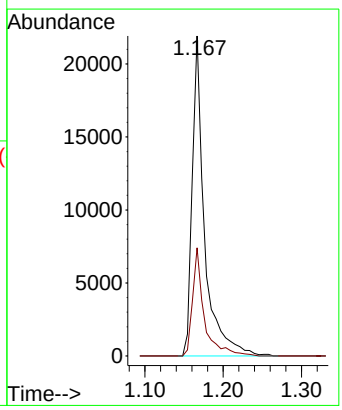
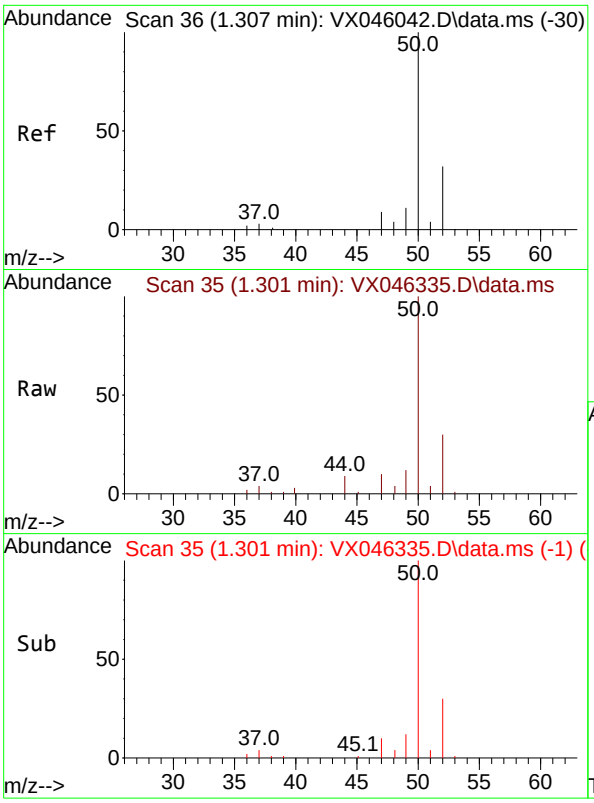


#2
Dichlorodifluoromethane
Concen: 18.824 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 85 Resp: 24012

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.7	47.1

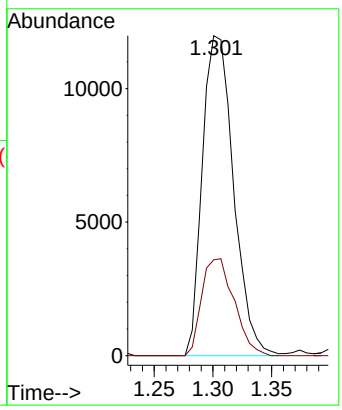




#3
Chloromethane
Concen: 17.899 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 50 Resp: 2214

Ion	Ratio	Lower	Upper
50	100		
52	29.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

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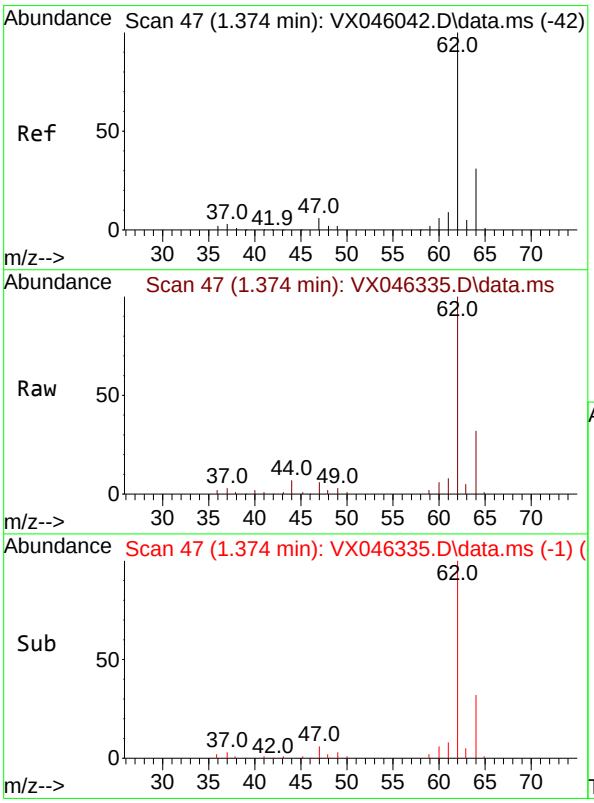
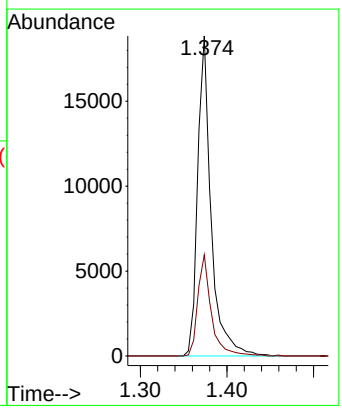
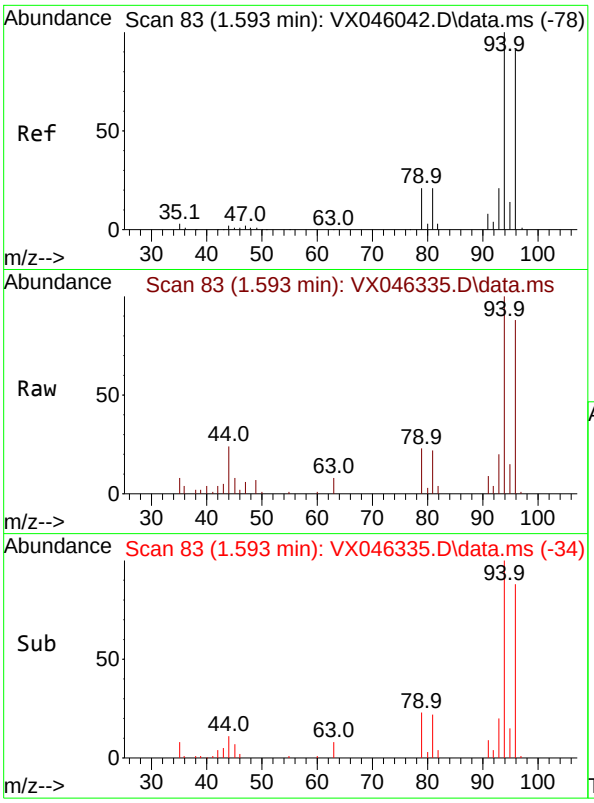


#4
Vinyl Chloride
Concen: 17.636 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 62 Resp: 20303

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.2	37.8





#5
Bromomethane
Concen: 17.853 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

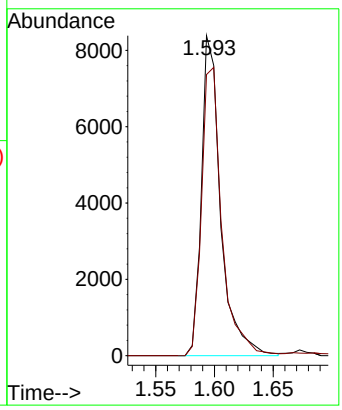
Tgt Ion: 94 Resp: 953

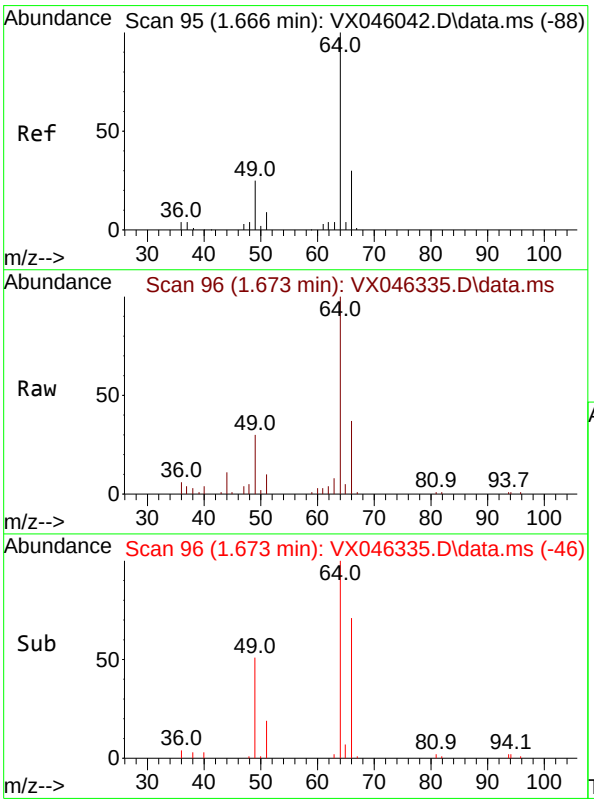
Ion	Ratio	Lower	Upper
94	100		
96	87.8	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

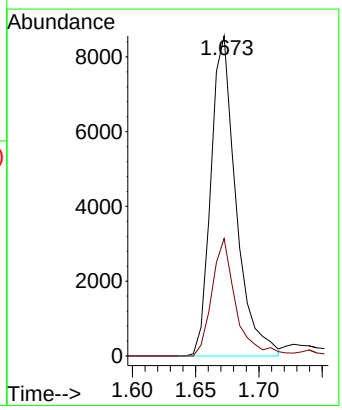


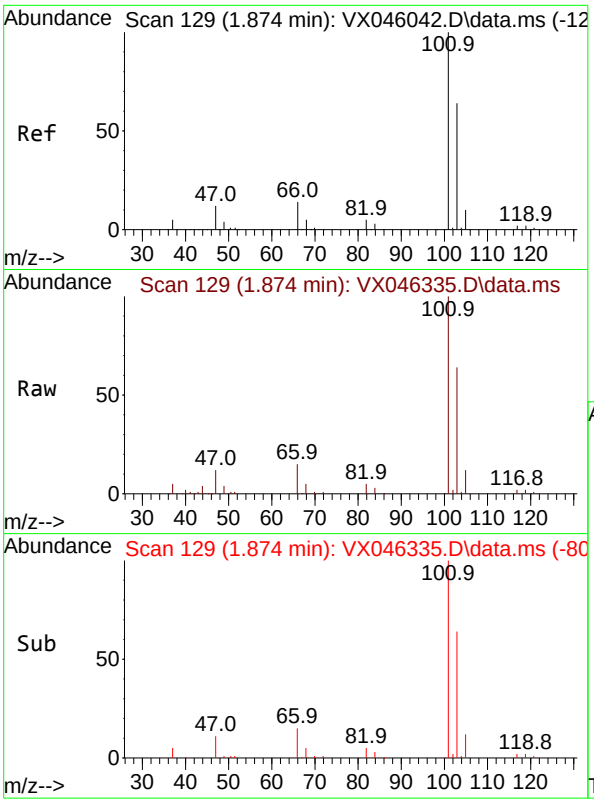


#6
Chloroethane
Concen: 19.205 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 64 Resp: 11803

Ion	Ratio	Lower	Upper
64	100		
66	36.7	24.3	36.5#





#7
Trichlorofluoromethane
Concen: 19.440 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

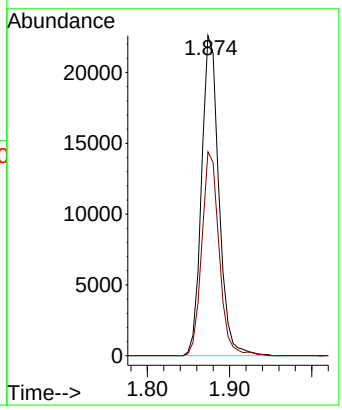
Tgt Ion:101 Resp: 3307

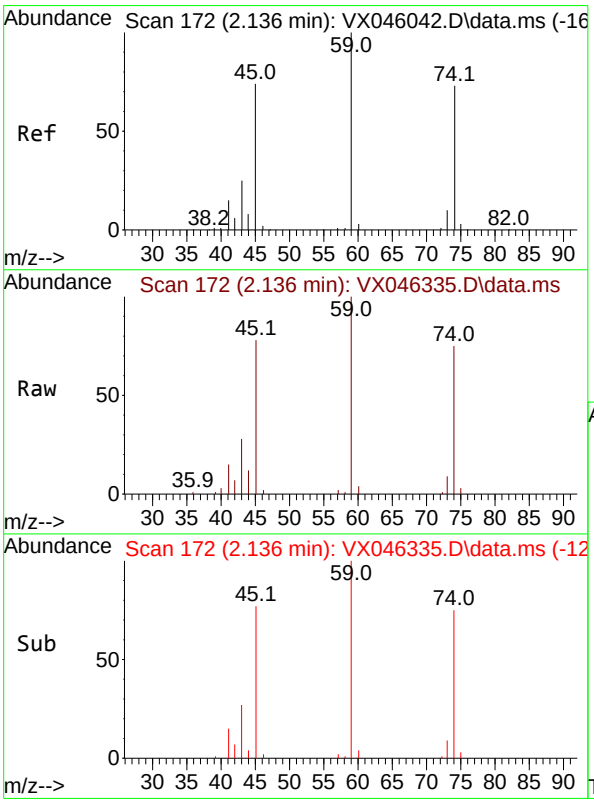
Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.4

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

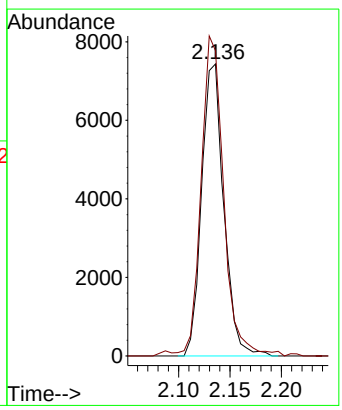


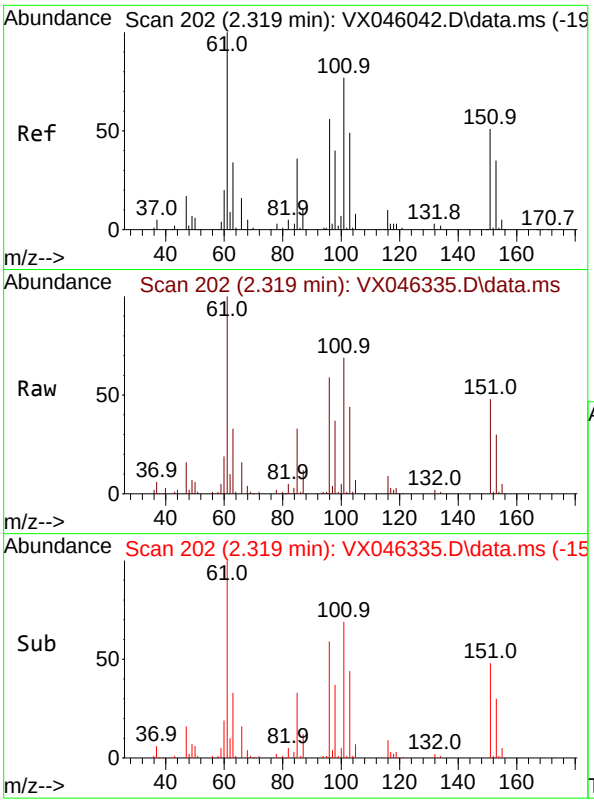


#8
Diethyl Ether
Concen: 19.316 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 74 Resp: 11188

Ion	Ratio	Lower	Upper
74	100		
45	111.5	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.479 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:101 Resp: 2051

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	73.0	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
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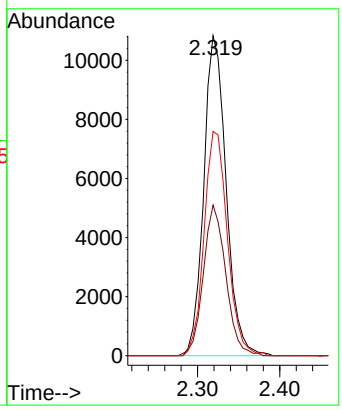
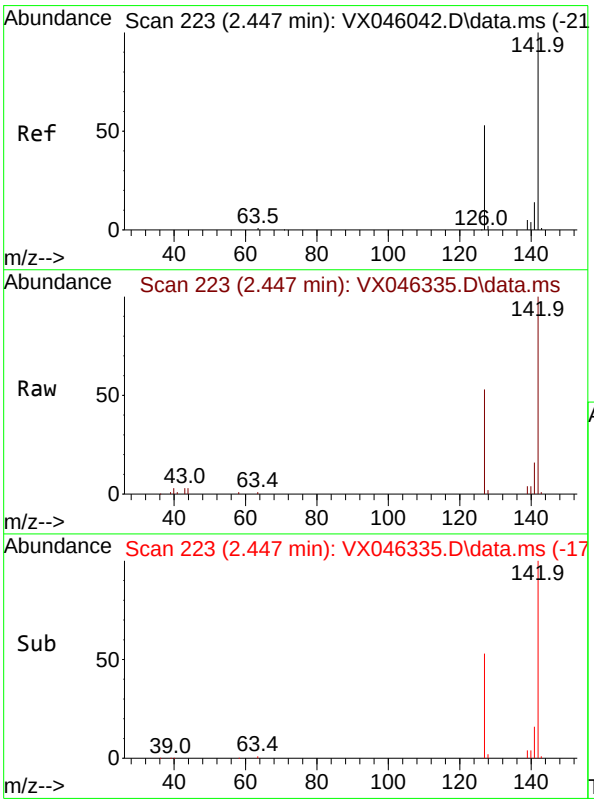
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

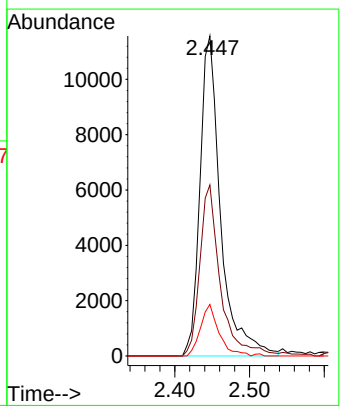


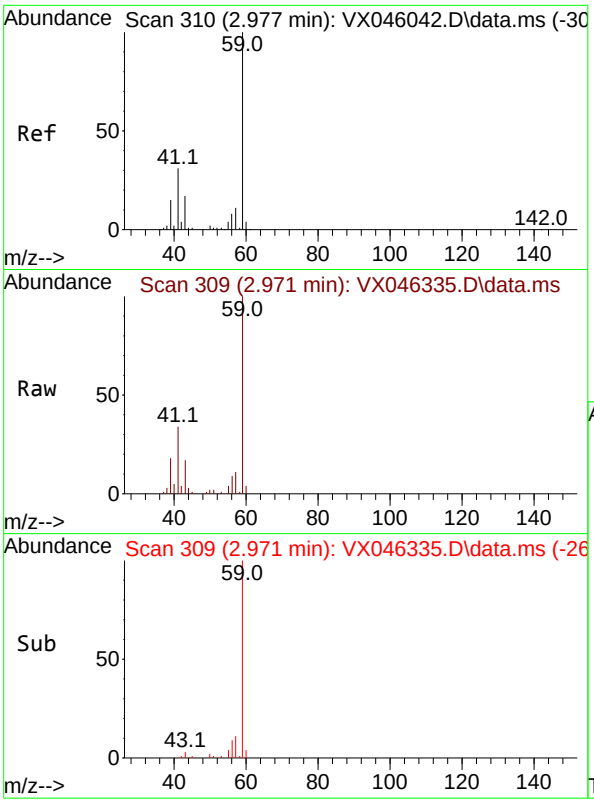


#10
Methyl Iodide
Concen: 17.832 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:142 Resp: 22217

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.3	11.5	17.3





#11
Tert butyl alcohol
Concen: 110.589 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 59 Resp: 2411

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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Reviewed By :Semsettin Yesilyurt 05/26/2025
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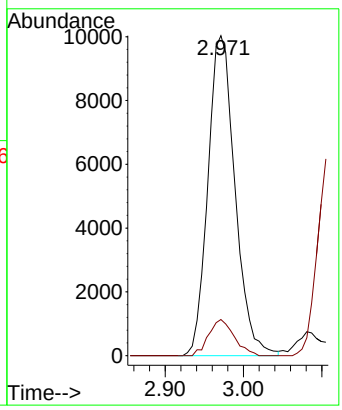
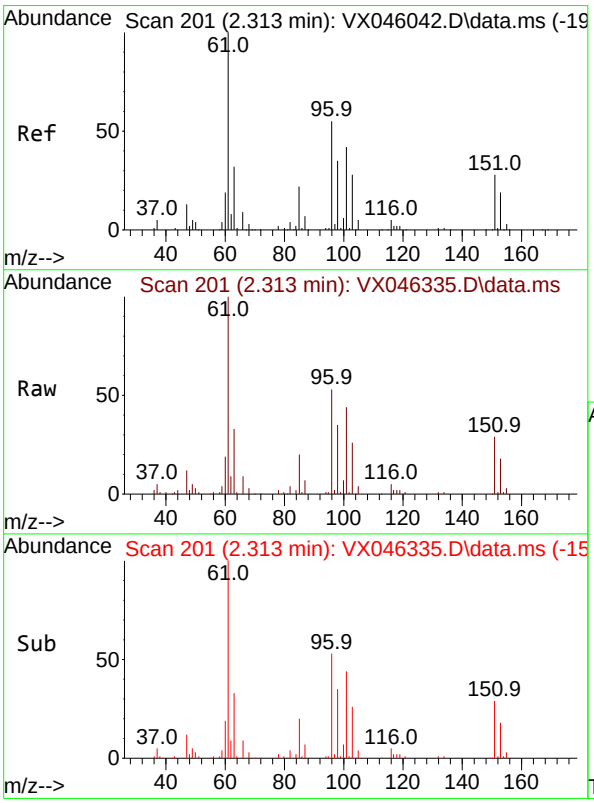
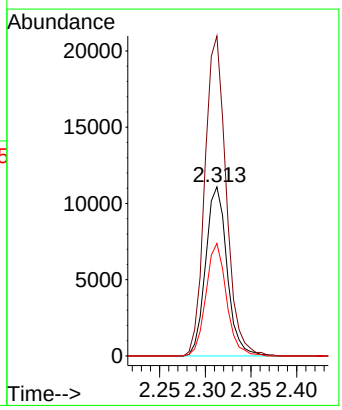


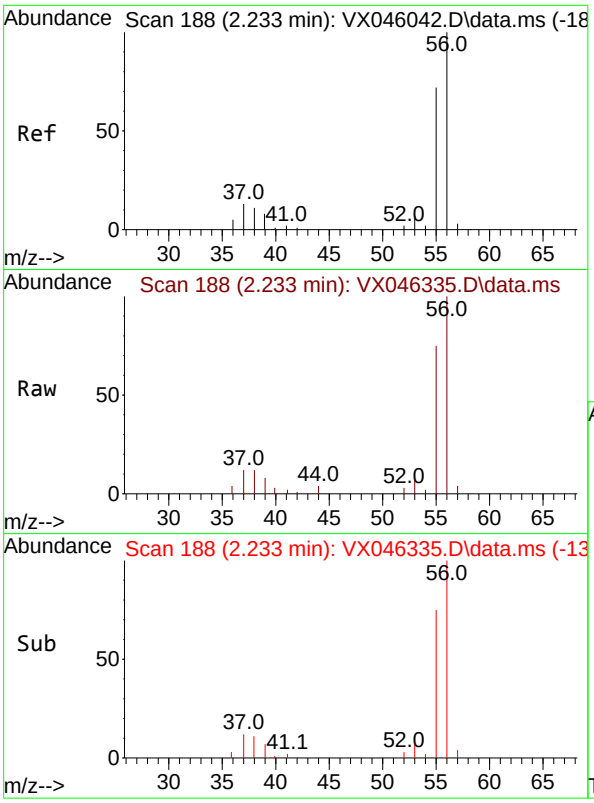


#12
1,1-Dichloroethene
Concen: 18.289 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 96 Resp: 18073

Ion	Ratio	Lower	Upper
96	100		
61	189.2	146.2	219.2
98	66.5	51.0	76.6

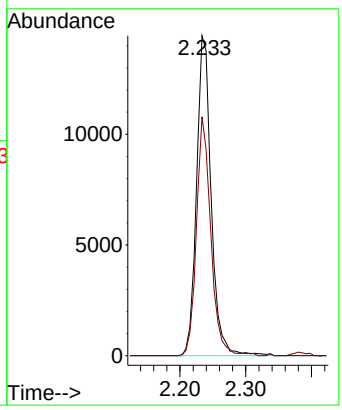




#13
Acrolein
Concen: 89.960 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 56 Resp: 2234

Ion	Ratio	Lower	Upper
56	100		
55	73.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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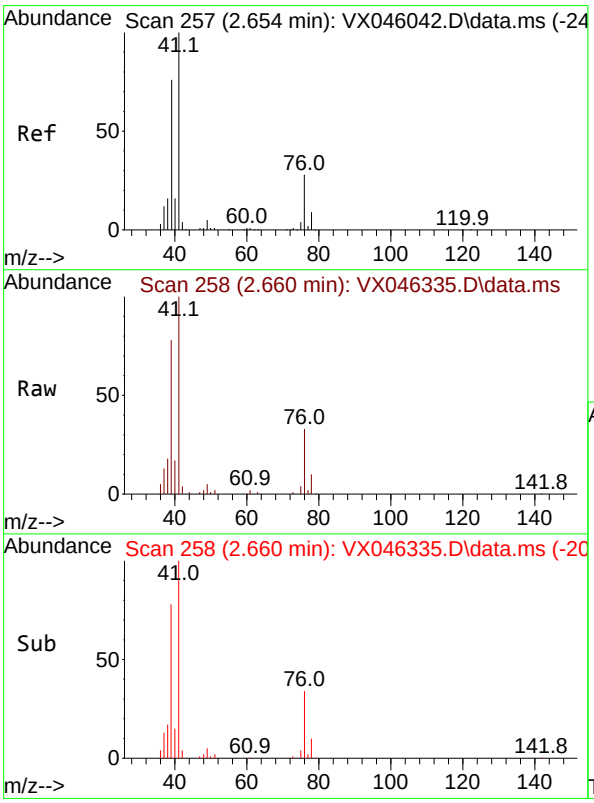
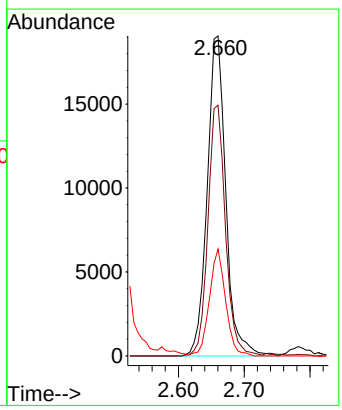
Supervised By :Mahesh Dadoda 05/26/2025

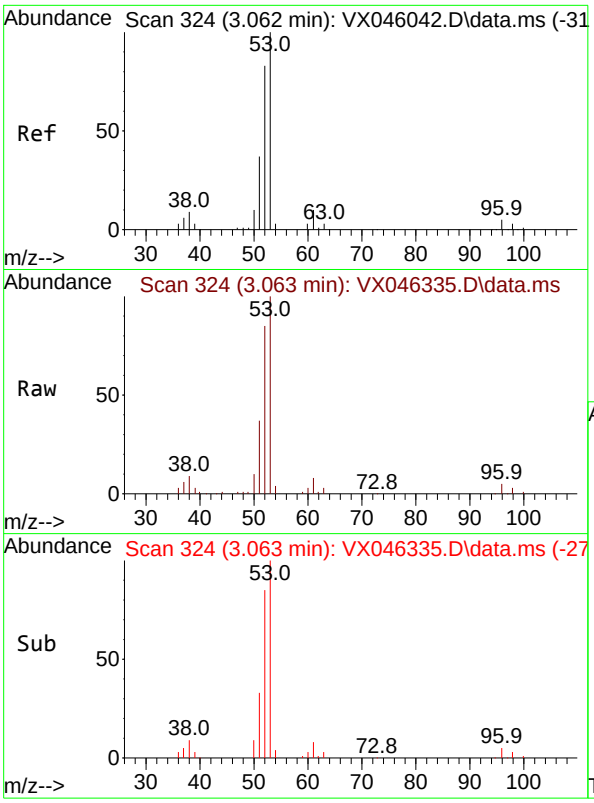


#14
Allyl chloride
Concen: 19.927 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 41 Resp: 37635

Ion	Ratio	Lower	Upper
41	100		
39	73.6	60.6	90.8
76	29.0	24.9	37.3

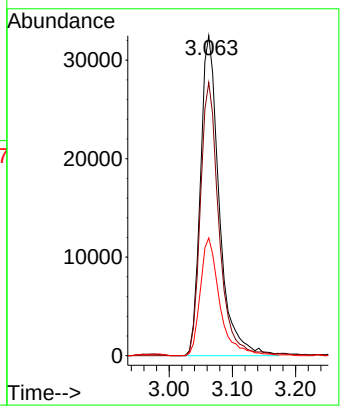




#15
Acrylonitrile
Concen: 107.745 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 53 Resp: 6719

Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.3	97.9
51	38.2	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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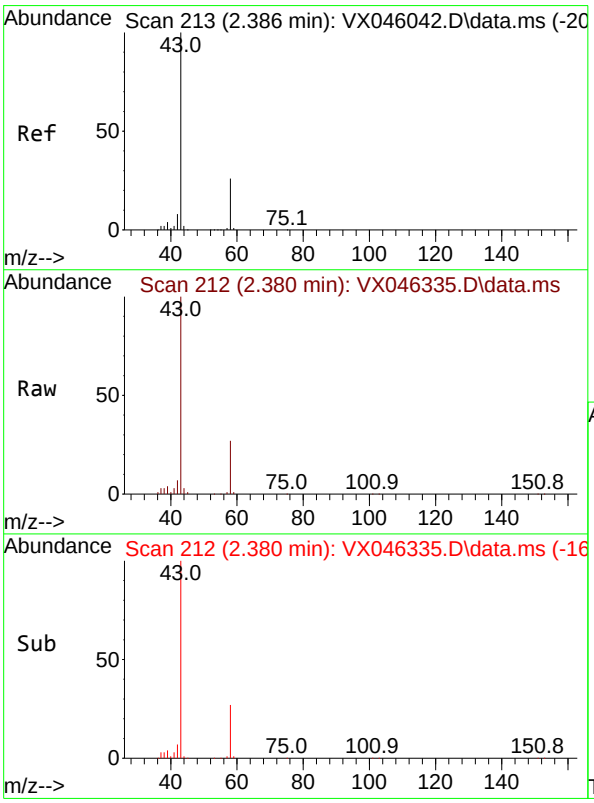
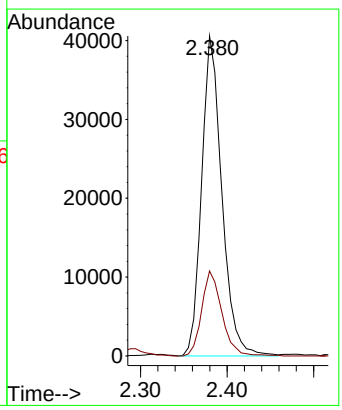
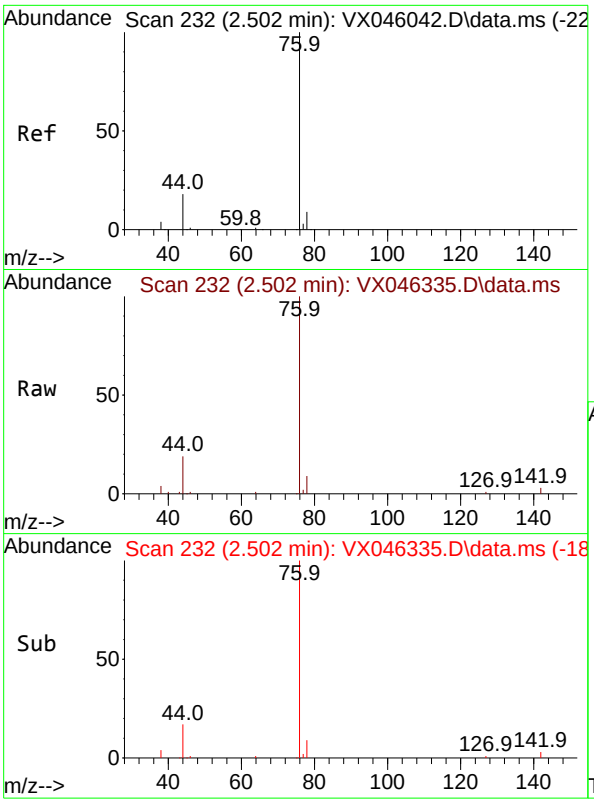


#16
Acetone
Concen: 105.763 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 65887

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17
Carbon Disulfide
Concen: 15.113 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 76 Resp: 3540

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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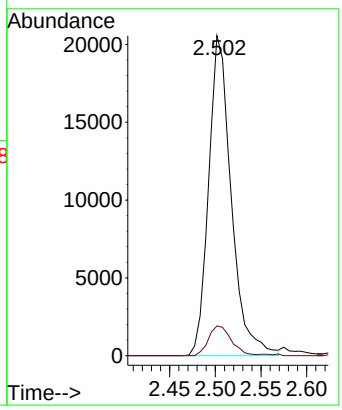
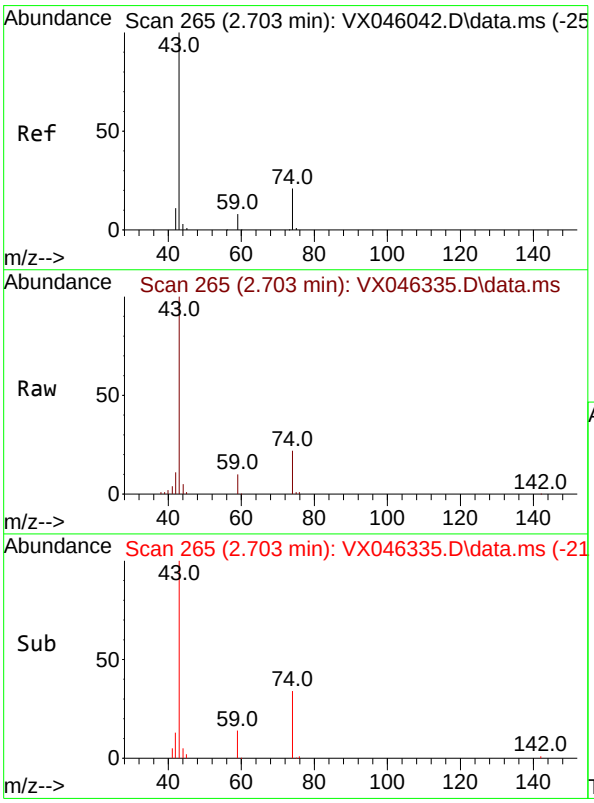
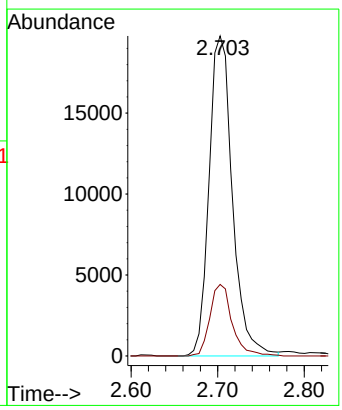


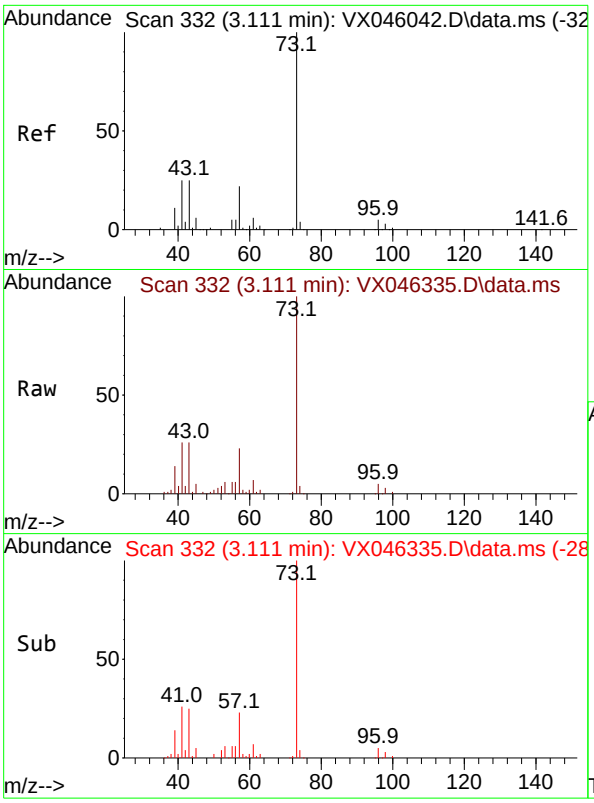


#18
Methyl Acetate
Concen: 25.610 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 37022

Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1

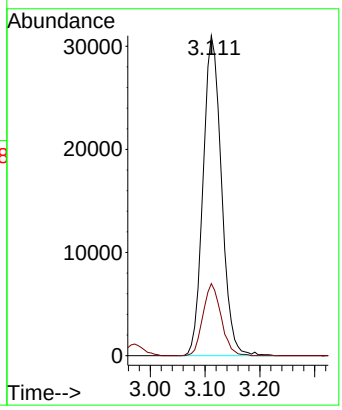




#19
Methyl tert-butyl Ether
Concen: 20.857 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 73 Resp: 7226

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
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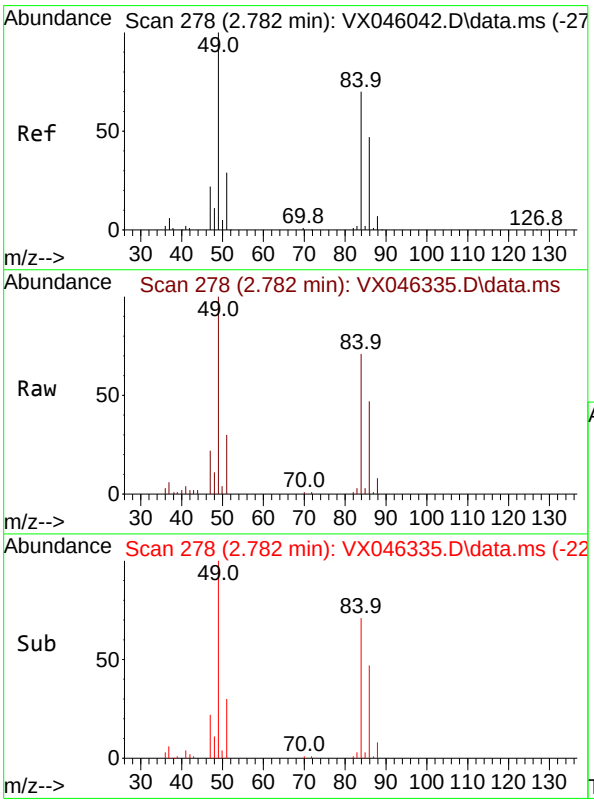
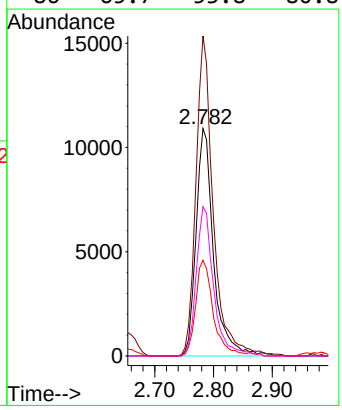
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

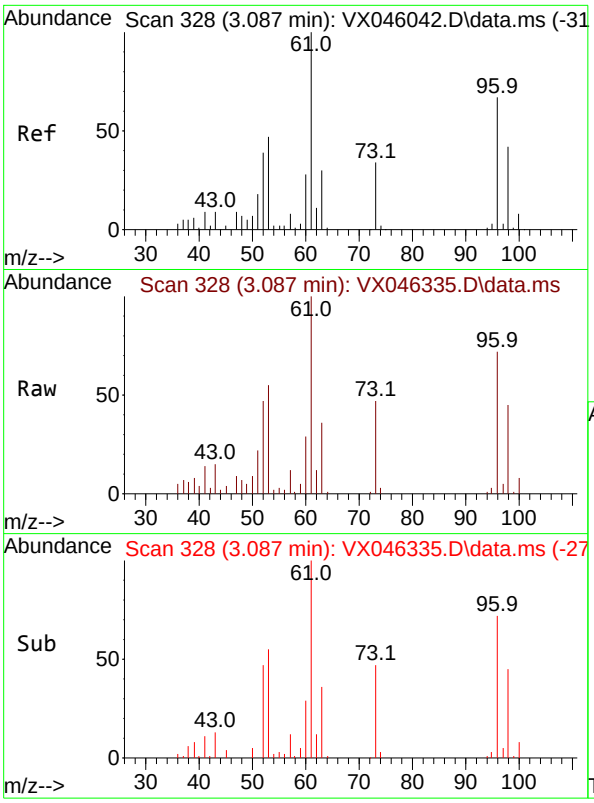


#20
Methylene Chloride
Concen: 18.892 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 84 Resp: 22554

Ion	Ratio	Lower	Upper
84	100		
49	140.7	113.9	170.9
51	42.0	33.5	50.3
86	65.7	53.8	80.8

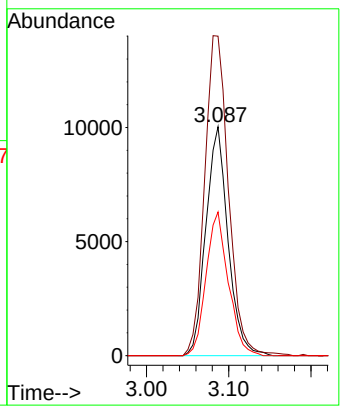




#21
trans-1,2-Dichloroethene
Concen: 18.908 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 96 Resp: 1879

Ion	Ratio	Lower	Upper
96	100		
61	139.6	119.5	179.3
98	62.8	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
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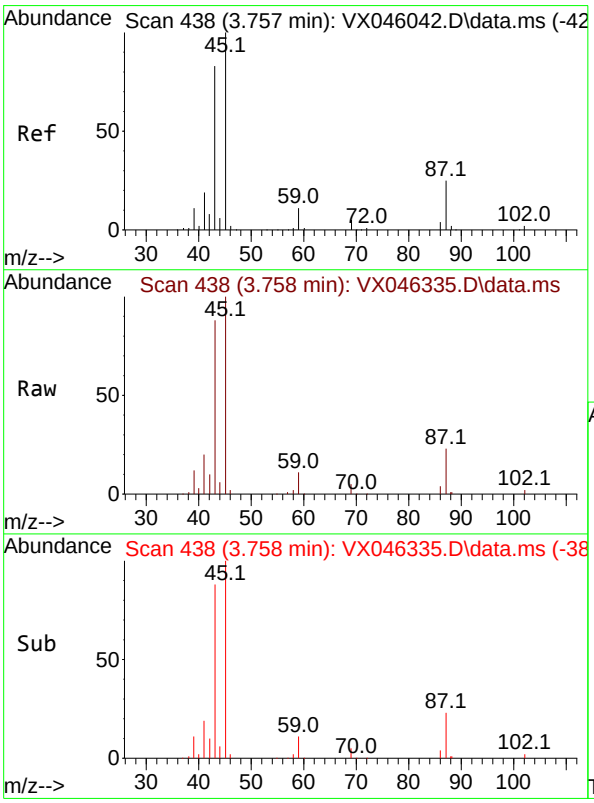
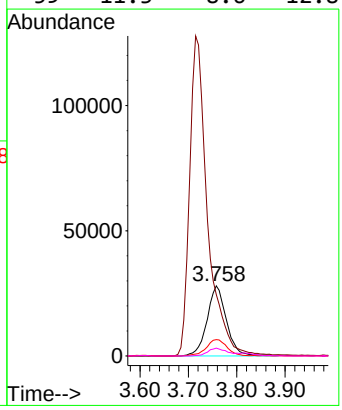
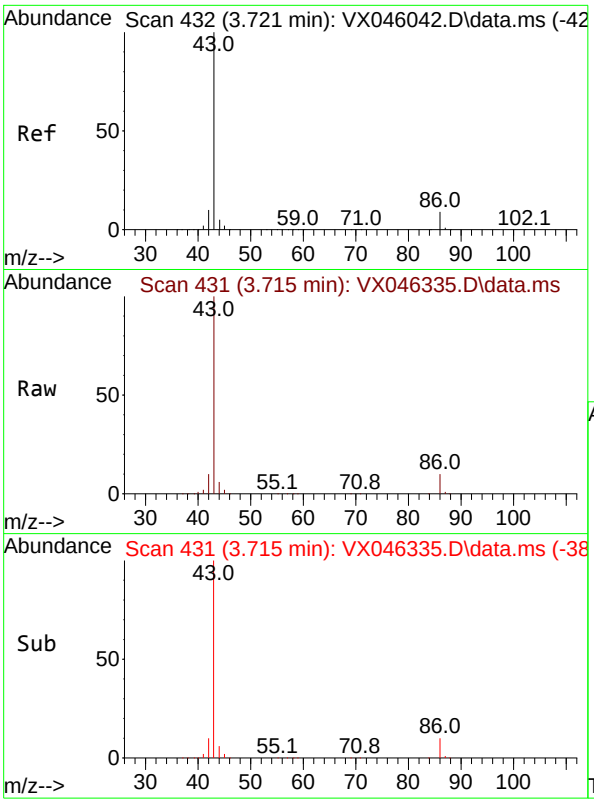


#22
Diisopropyl ether
Concen: 21.349 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 45 Resp: 77884

Ion	Ratio	Lower	Upper
45	100		
43	85.8	66.6	100.0
87	23.4	19.8	29.6
59	11.3	8.6	12.8





#23
Vinyl Acetate
Concen: 102.717 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 32958

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
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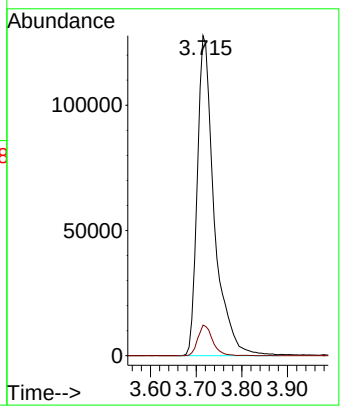
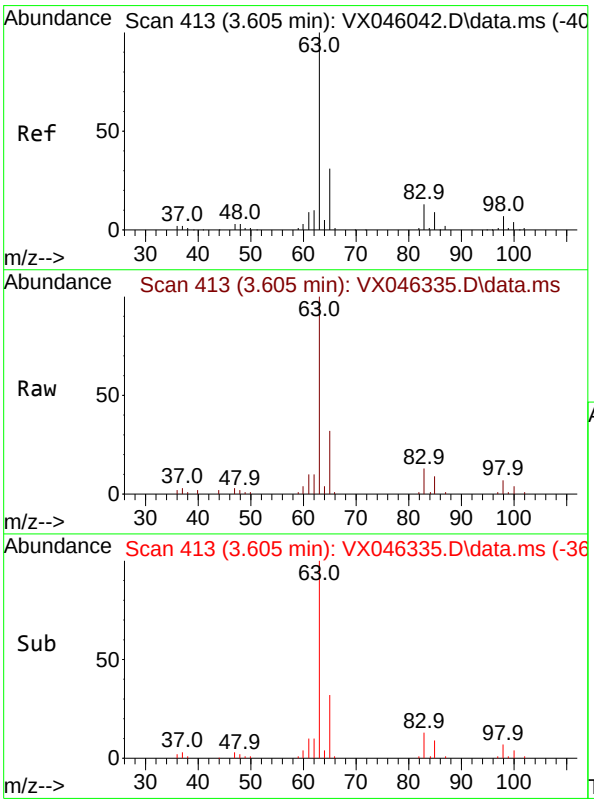
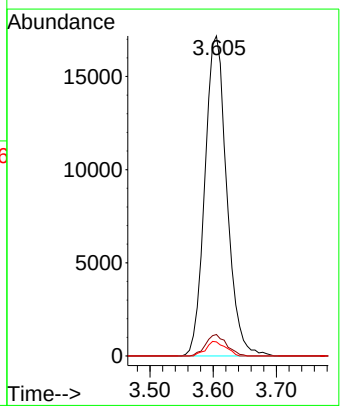


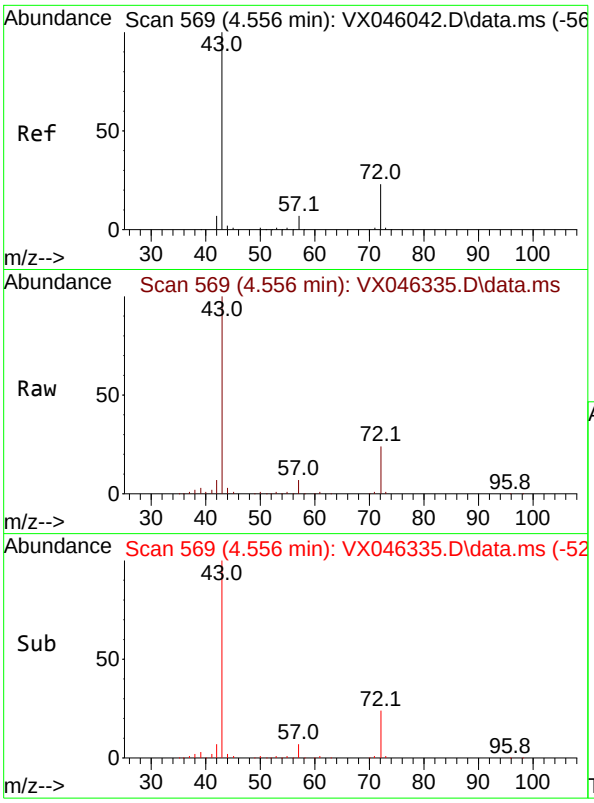


#24
1,1-Dichloroethane
Concen: 20.374 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 63 Resp: 41400

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.6	10.8
100	4.4	2.1	6.3





#25
2-Butanone
Concen: 108.788 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 9839

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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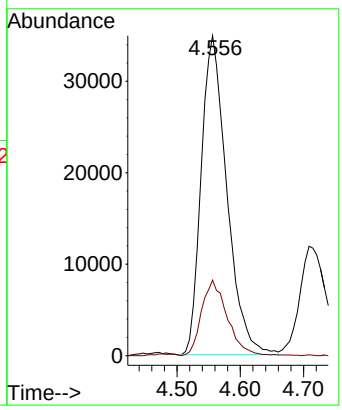
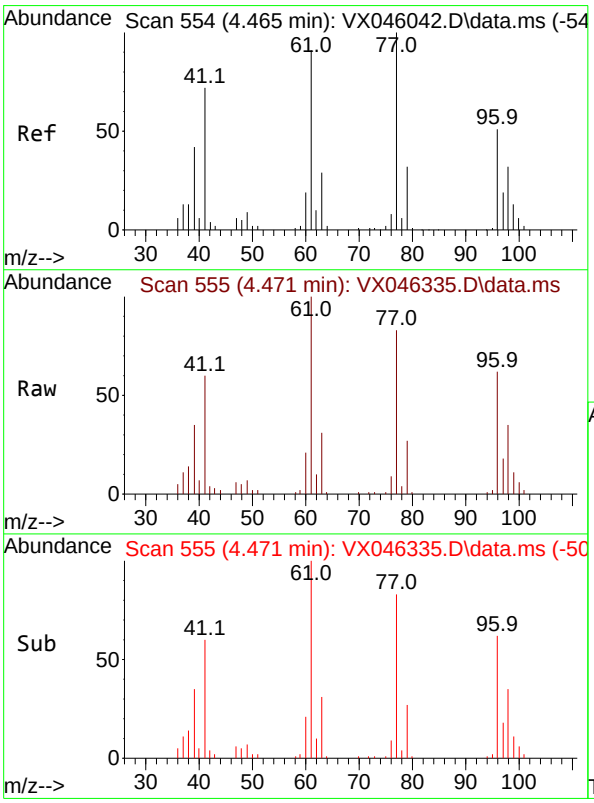
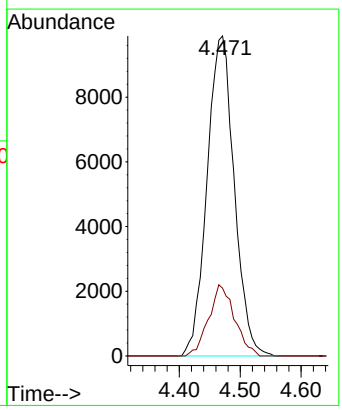


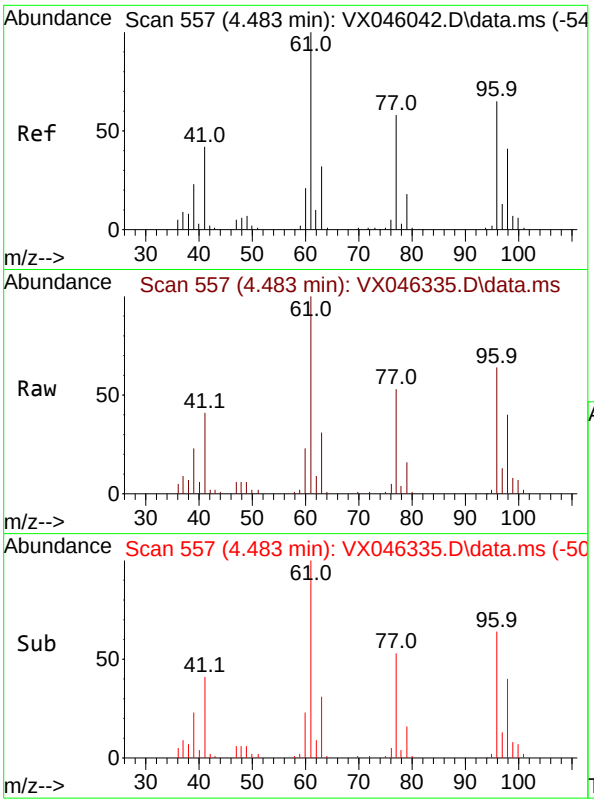


#26
2,2-Dichloropropane
Concen: 19.275 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 77 Resp: 30656

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 20.160 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

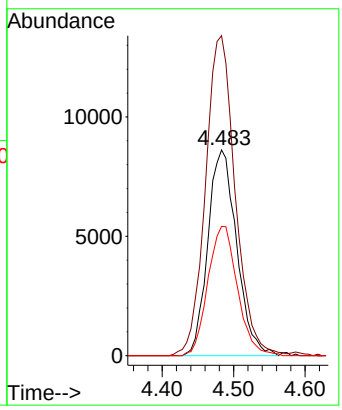
Tgt Ion: 96 Resp: 2411

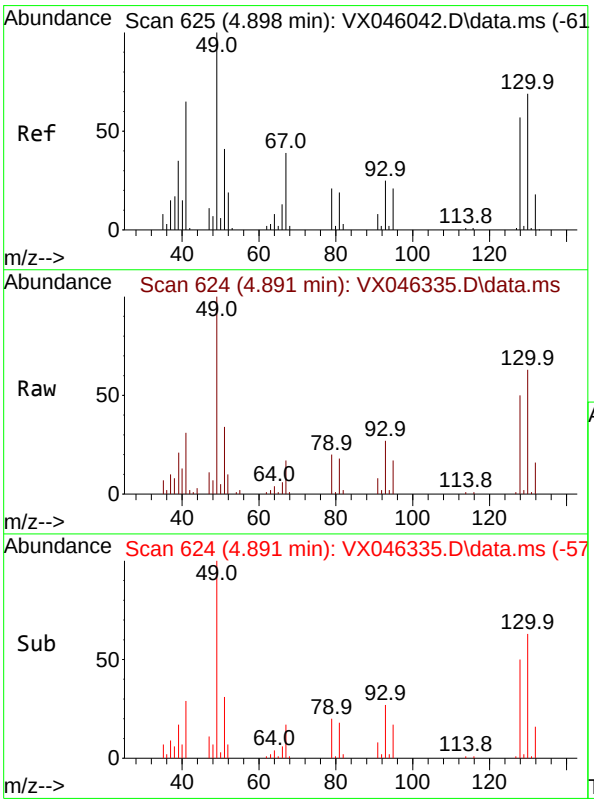
Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	322.8
98	64.4	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

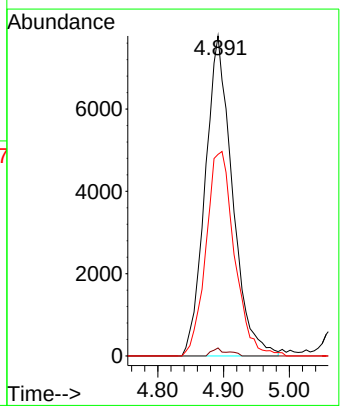


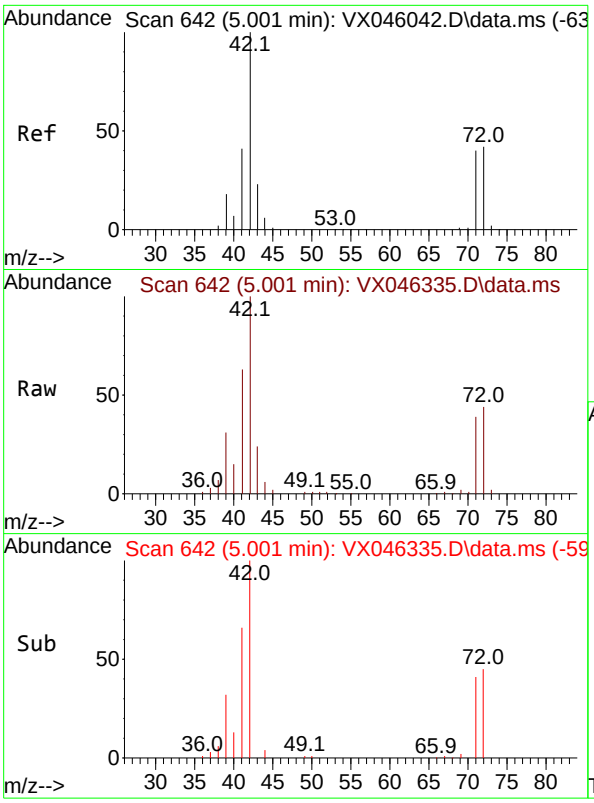


#28
Bromochloromethane
Concen: 22.890 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 49 Resp: 22388

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.0
130	66.9	56.2	84.2

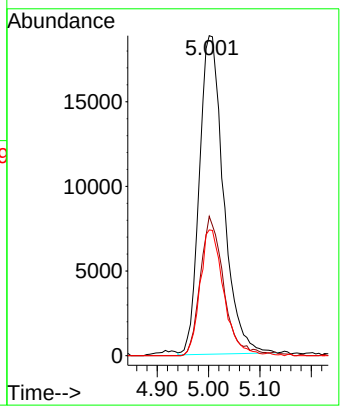




#29
Tetrahydrofuran
Concen: 108.434 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 42 Resp: 6145

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	38.7	31.4	47.2



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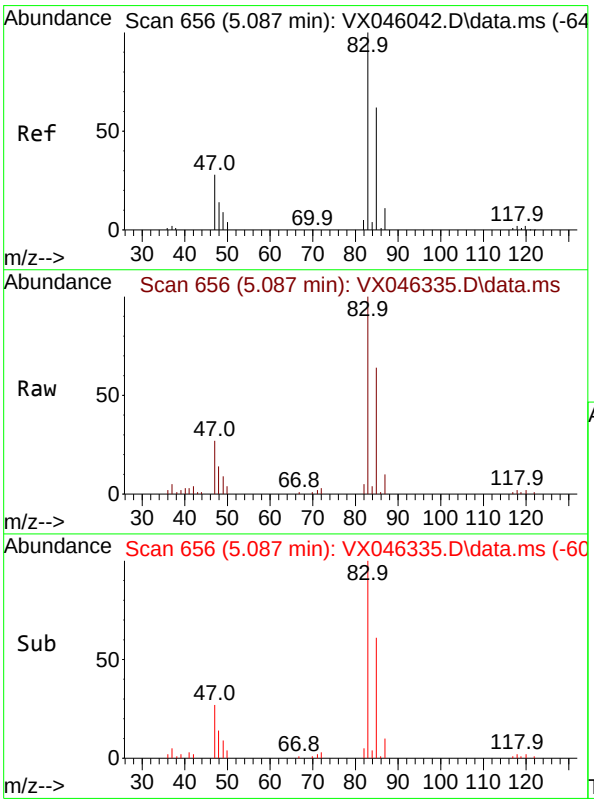
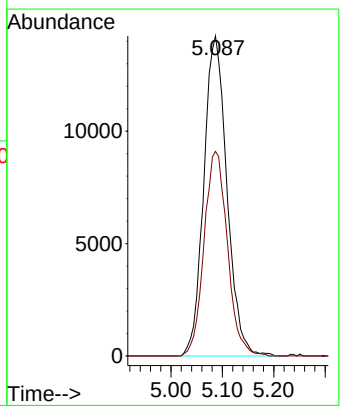
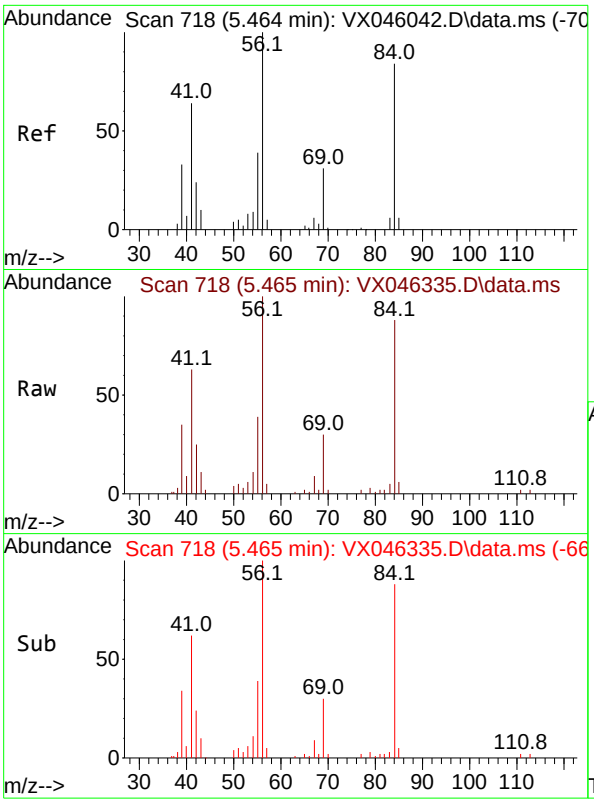


#30
Chloroform
Concen: 21.036 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 83 Resp: 44553

Ion	Ratio	Lower	Upper
83	100		
85	64.0	49.3	73.9





#31
Cyclohexane
Concen: 18.629 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 56 Resp: 3449

Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.4	36.6
84	85.5	66.9	100.3

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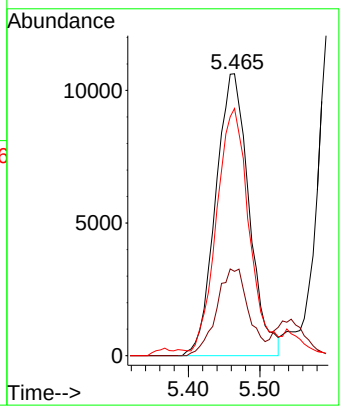
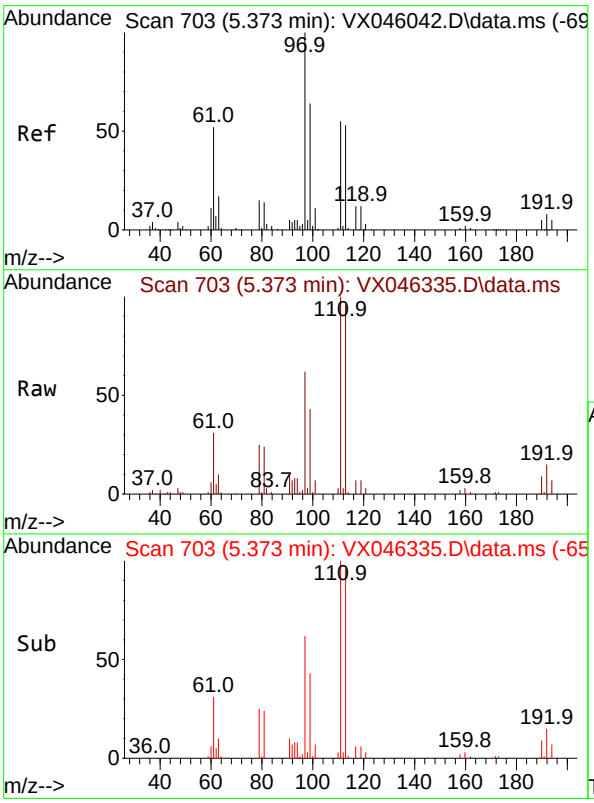
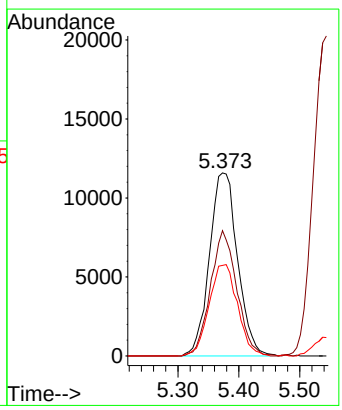


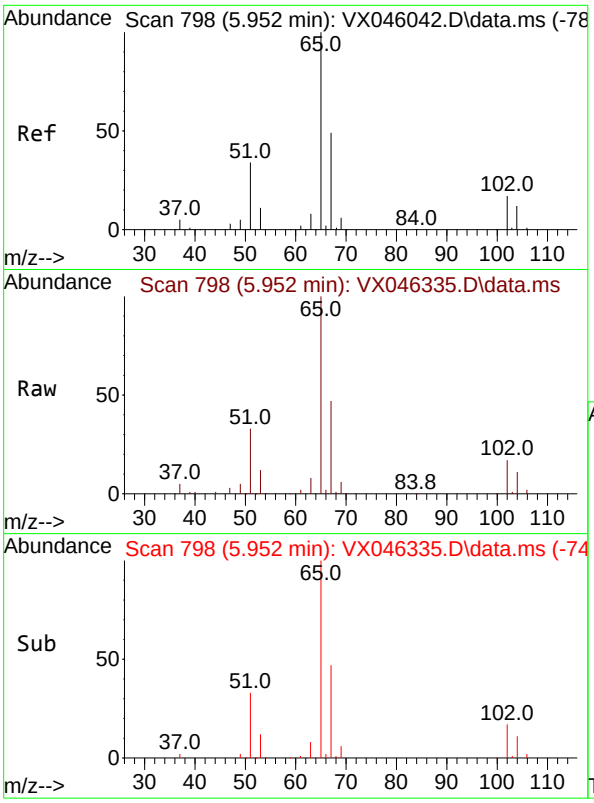


#32
1,1,1-Trichloroethane
Concen: 20.251 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 97 Resp: 37180

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	50.4	40.1	60.1





#33
1,2-Dichloroethane-d4
Concen: 52.000 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 65 Resp: 8079

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.0

Instrument :
MSVOA_X
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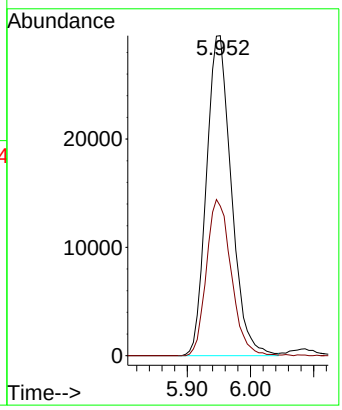
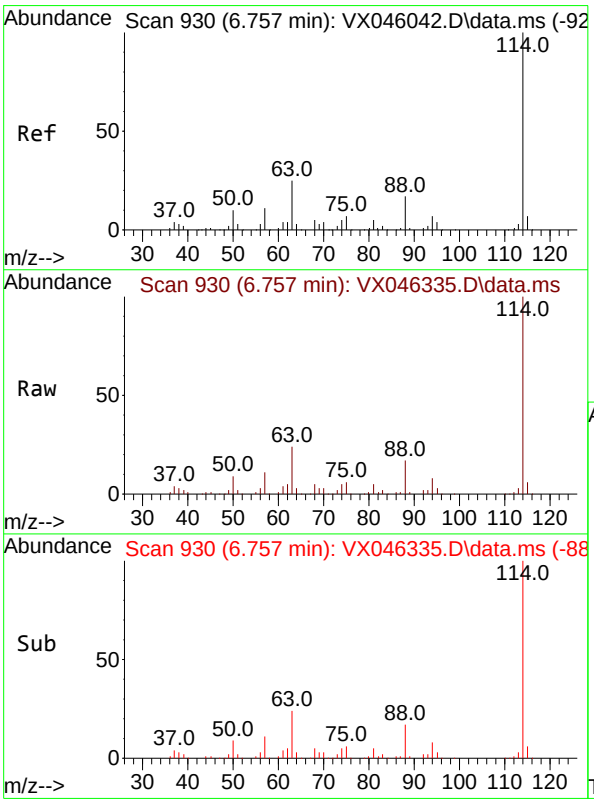
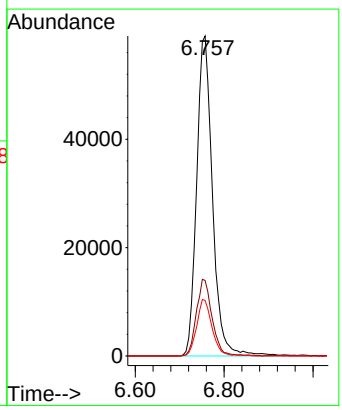


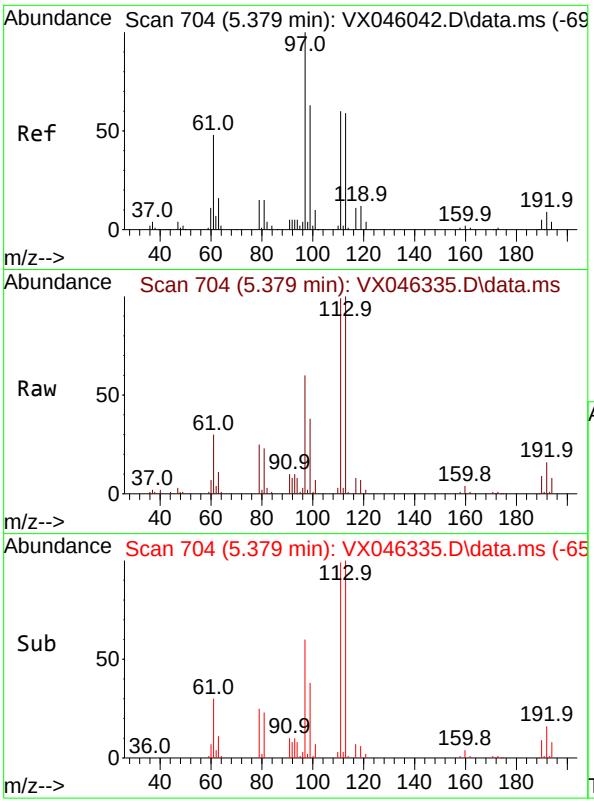


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:114 Resp: 146324

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	49.2
88	17.3	0.0	33.6

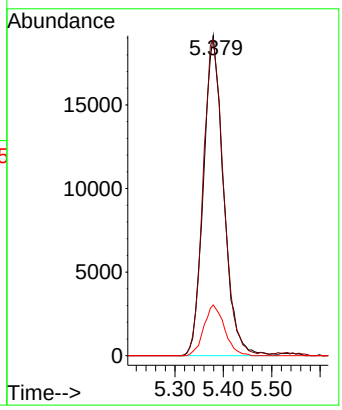




#35
Dibromofluoromethane
Concen: 52.404 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:113 Resp: 5521

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	16.3	13.3	19.9



Instrument :
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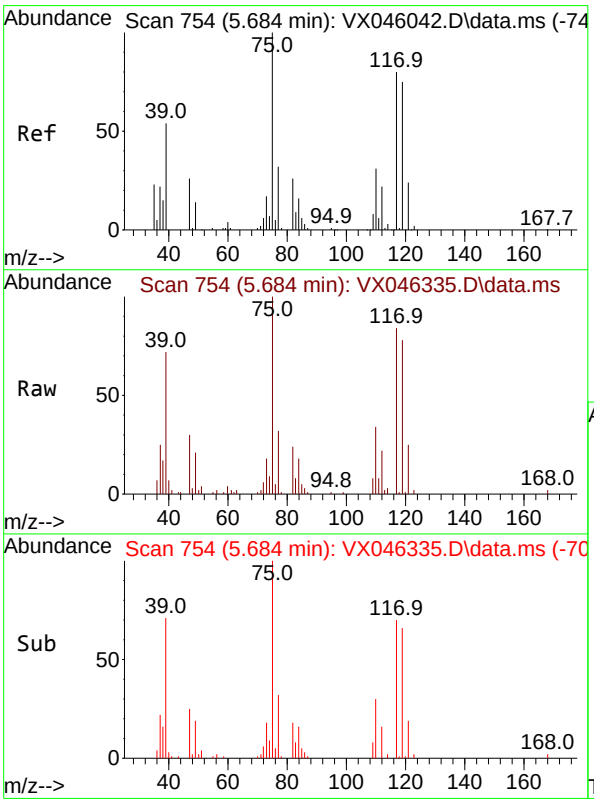
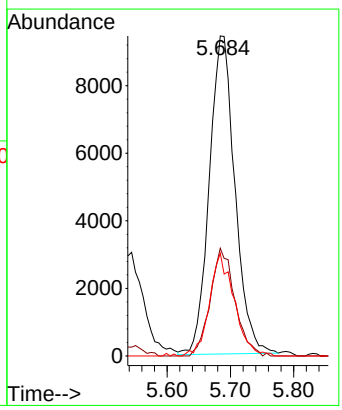
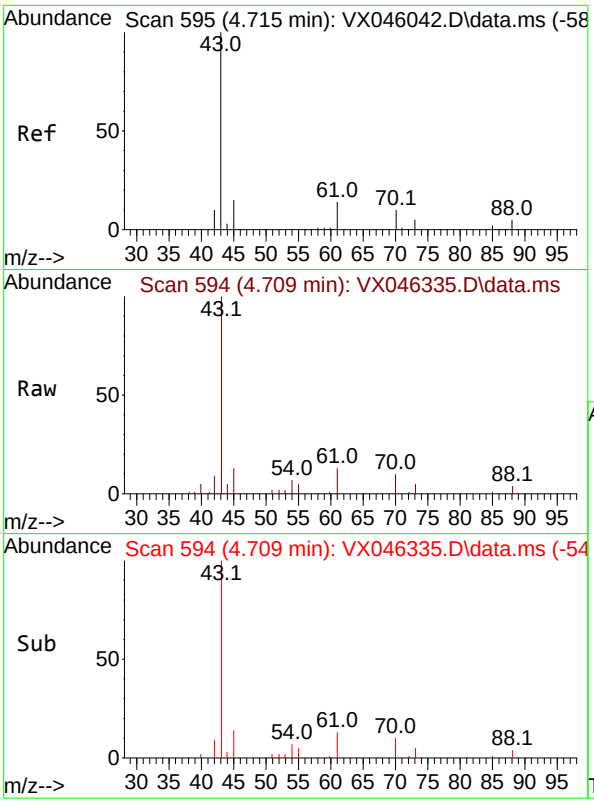


#36
1,1-Dichloropropene
Concen: 18.693 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 75 Resp: 26465

Ion	Ratio	Lower	Upper
75	100		
110	32.5	16.3	48.9
77	31.2	24.3	36.5

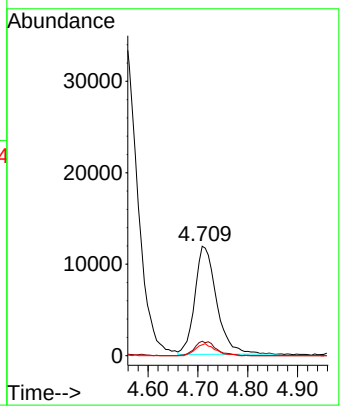




#37
Ethyl Acetate
Concen: 20.482 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 3582

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	9.9	7.9	11.9



Instrument :
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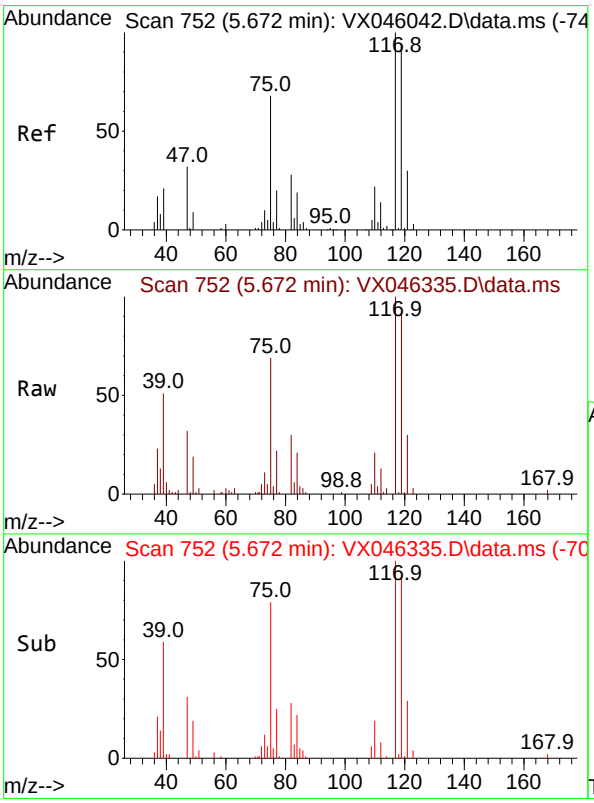
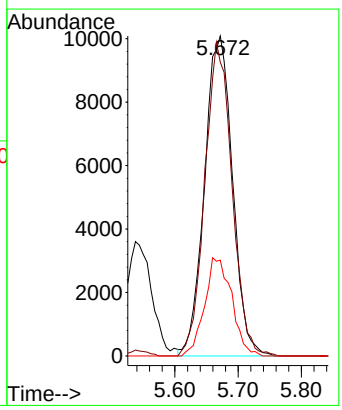
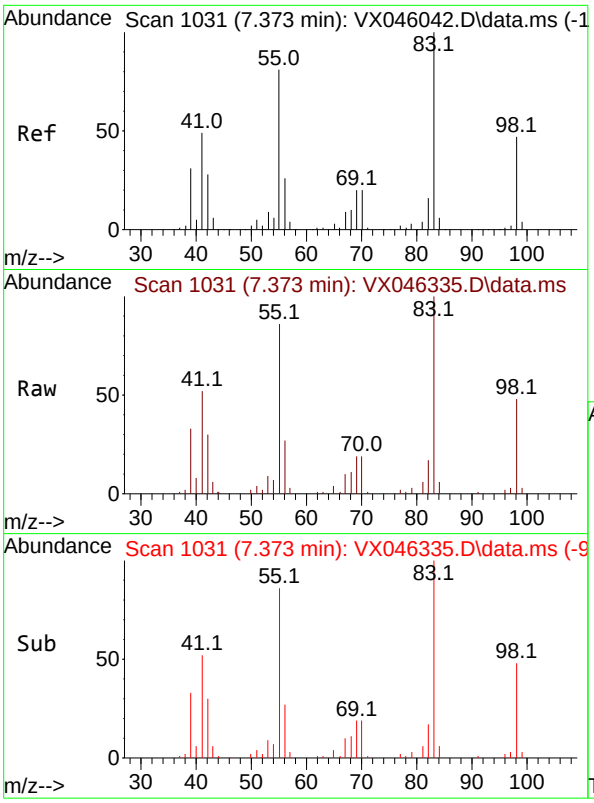


#38
Carbon Tetrachloride
Concen: 19.529 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:117 Resp: 31065

Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.2	112.8
121	30.0	24.2	36.4





#39
Methylcyclohexane
Concen: 18.653 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 83 Resp: 3399

Ion	Ratio	Lower	Upper
83	100		
55	86.4	64.7	97.1
98	47.8	37.4	56.2

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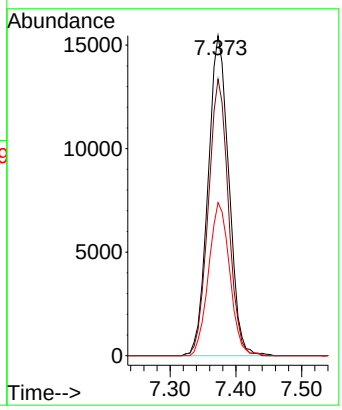
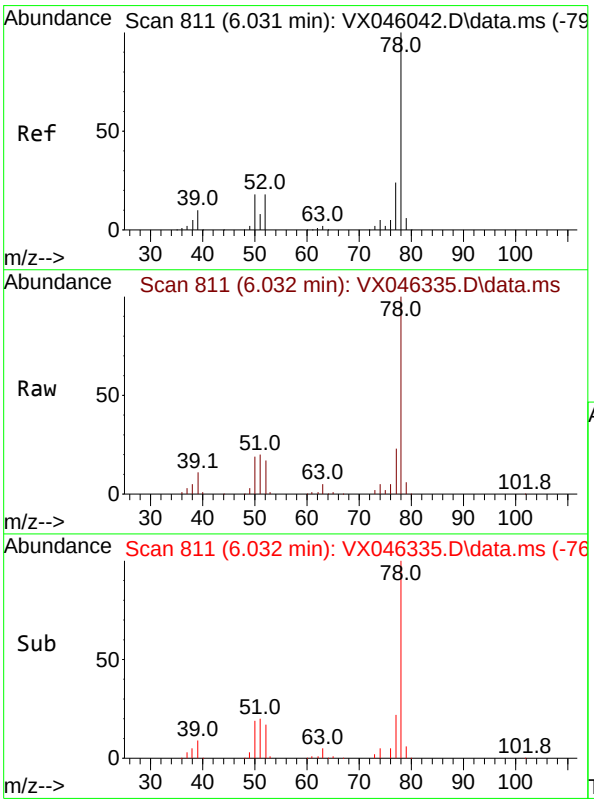
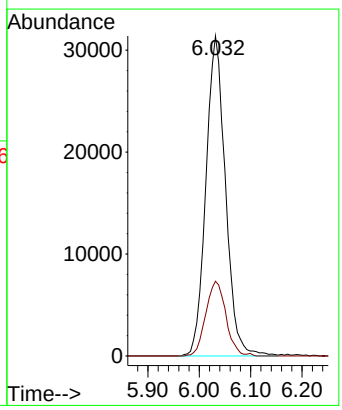


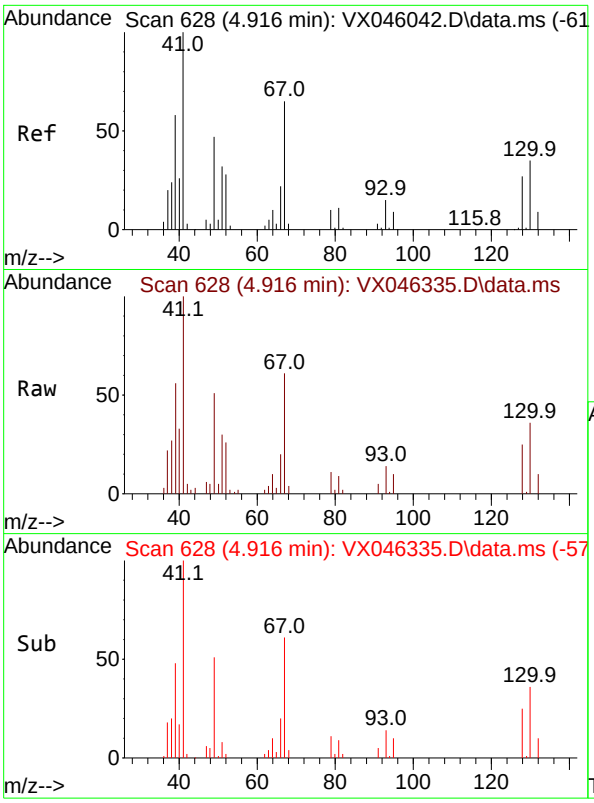


#40
Benzene
Concen: 20.005 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 78 Resp: 82957

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4

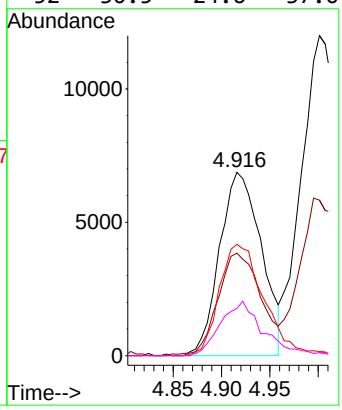




#41
Methacrylonitrile
Concen: 22.583 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 41 Resp: 2066

Ion	Ratio	Lower	Upper
41	100		
39	57.7	47.2	70.8
67	64.8	50.7	76.1
52	30.5	24.6	37.0



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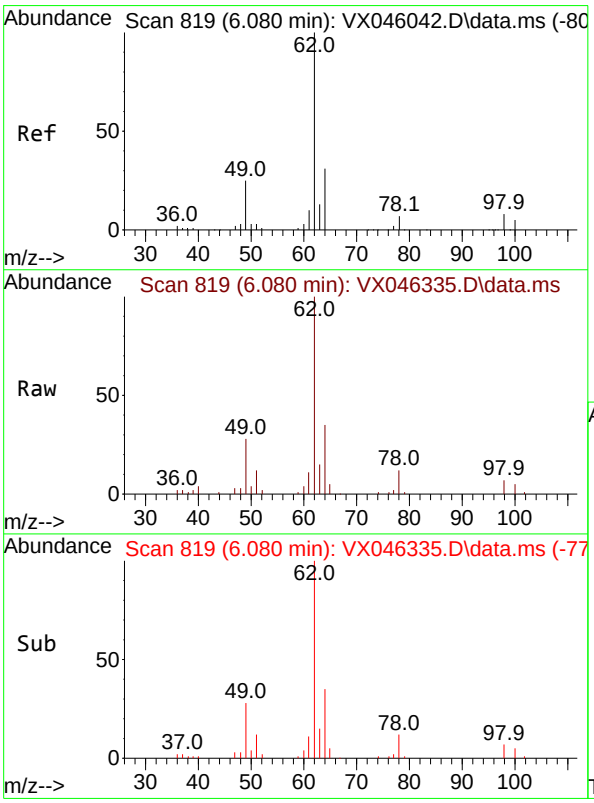
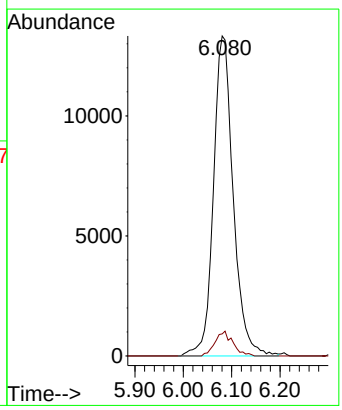
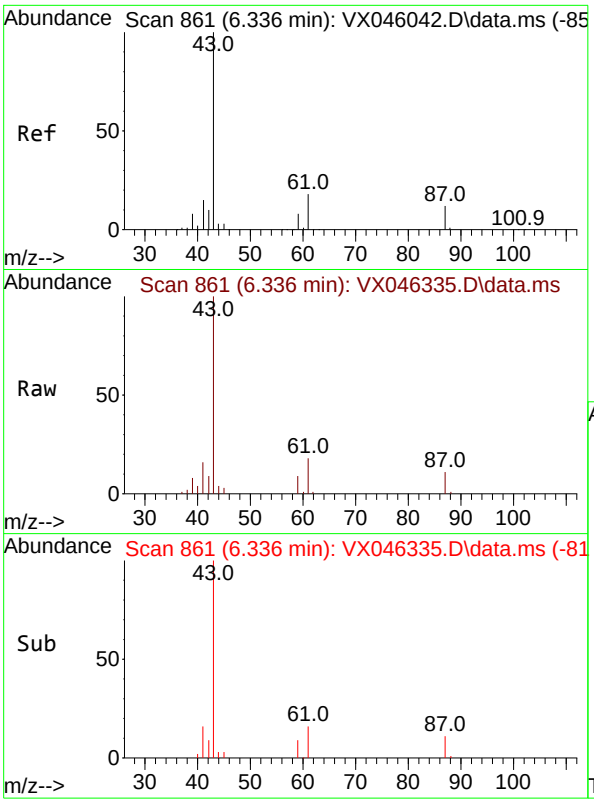


#42
1,2-Dichloroethane
Concen: 21.156 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 62 Resp: 37863

Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	15.2





#43
Isopropyl Acetate
Concen: 21.467 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 5728

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.3	21.5
87	11.7	9.5	14.3

Instrument :
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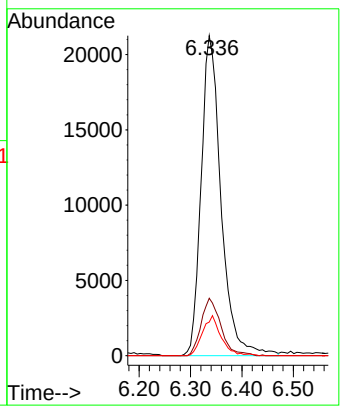
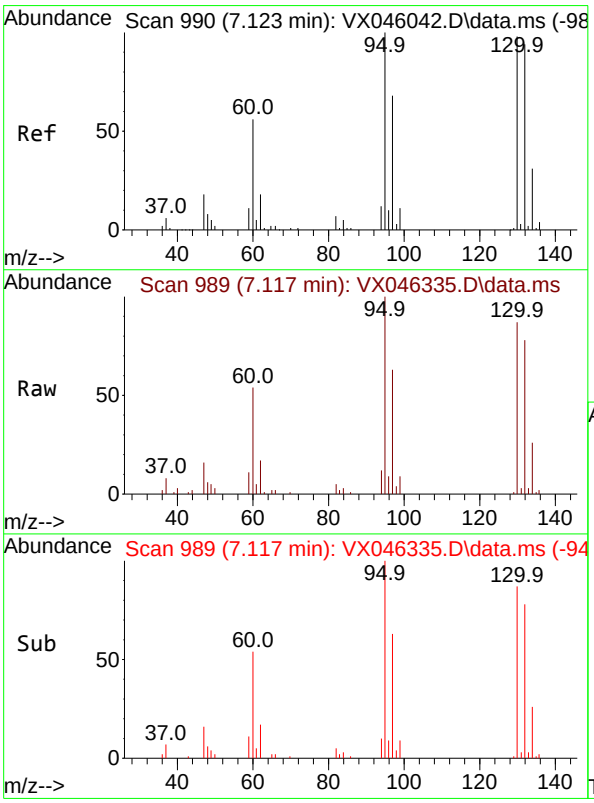
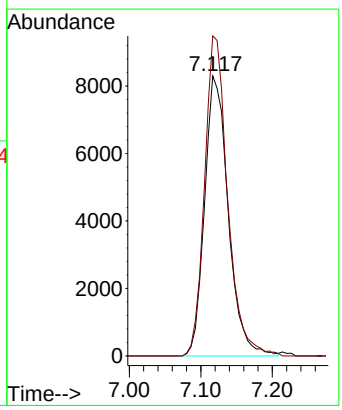


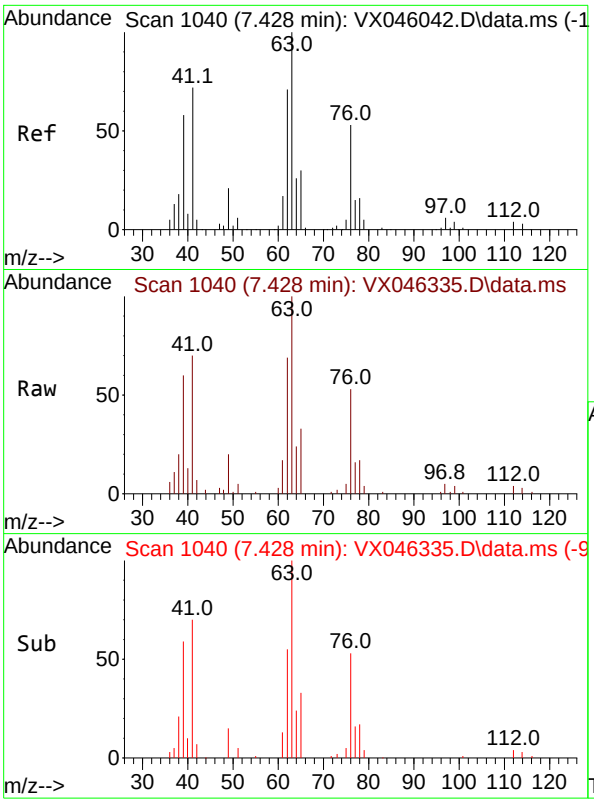


#44
Trichloroethene
Concen: 19.115 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:130 Resp: 19078

Ion	Ratio	Lower	Upper
130	100		
95	114.3	0.0	204.2





#45
1,2-Dichloropropane
Concen: 21.740 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 63 Resp: 2241

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
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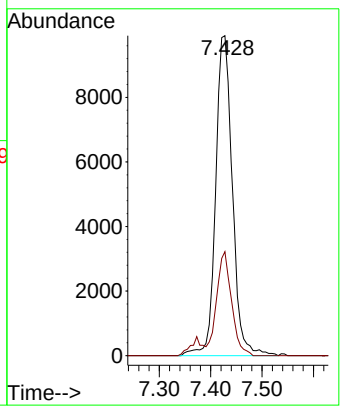
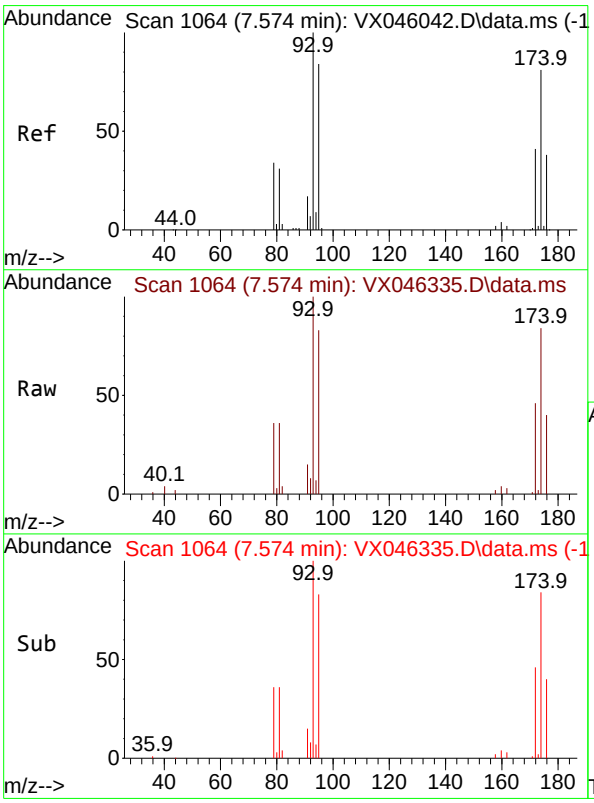
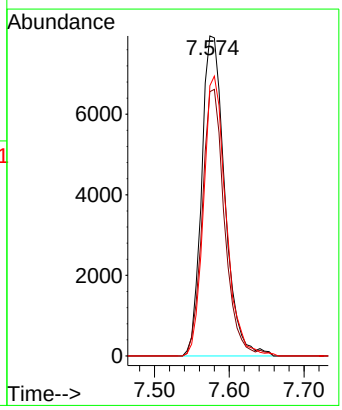


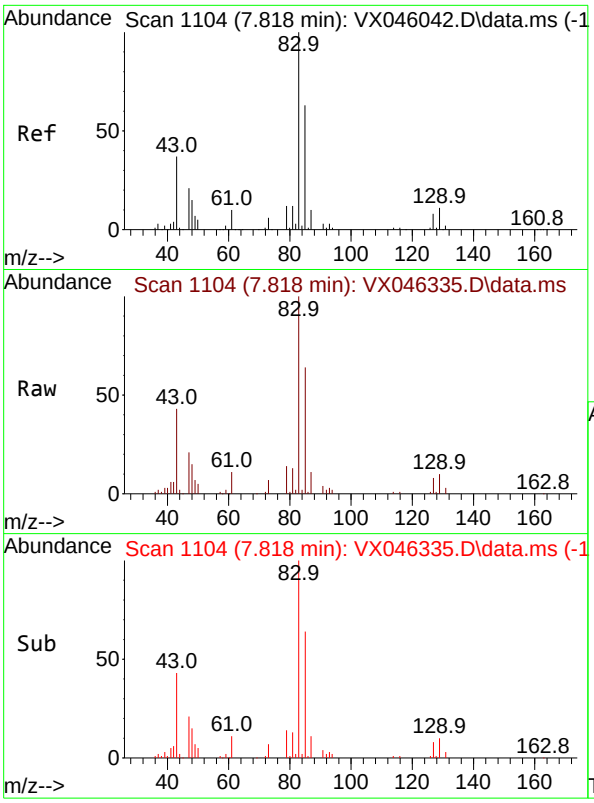


#46
Dibromomethane
Concen: 20.991 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 93 Resp: 17071

Ion	Ratio	Lower	Upper
93	100		
95	80.4	65.6	98.4
174	84.5	68.2	102.2

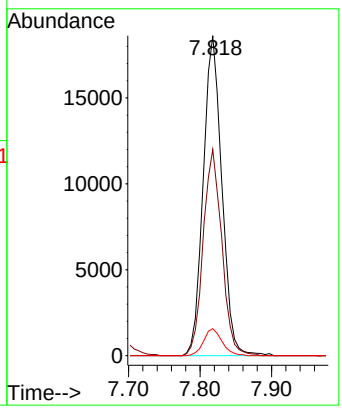




#47
Bromodichloromethane
Concen: 21.058 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 83 Resp: 3373

Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.5	75.7
127	8.5	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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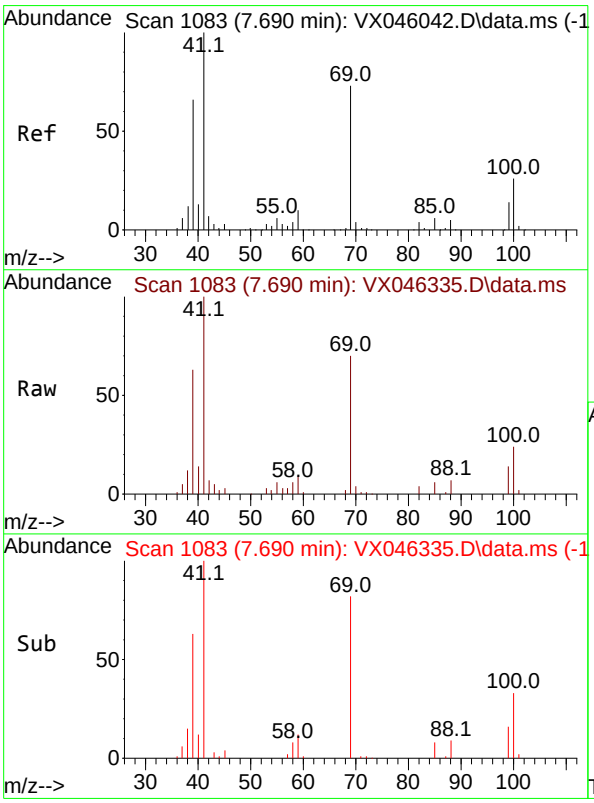
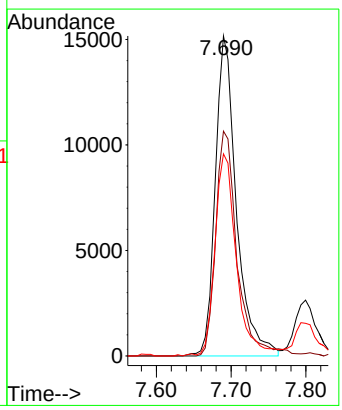
Supervised By :Mahesh Dadoda 05/26/2025

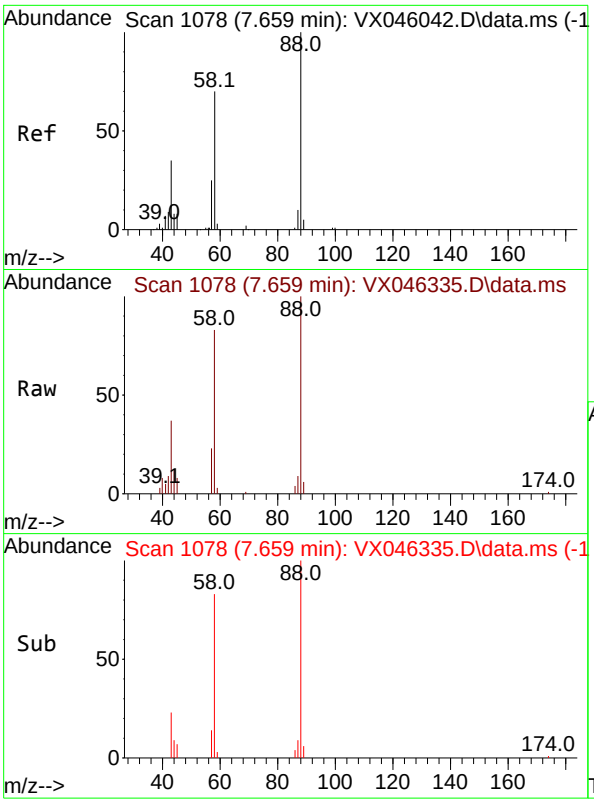


#48
Methyl methacrylate
Concen: 21.887 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 41 Resp: 29827

Ion	Ratio	Lower	Upper
41	100		
69	71.4	58.5	87.7
39	64.2	51.7	77.5





#49
1,4-Dioxane
Concen: 455.874 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 88 Resp: 1179

Ion	Ratio	Lower	Upper
88	100		
43	43.7	33.4	50.2
58	77.7	58.6	88.0

Instrument :
MSVOA_X
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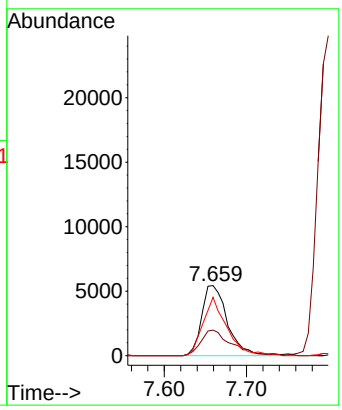
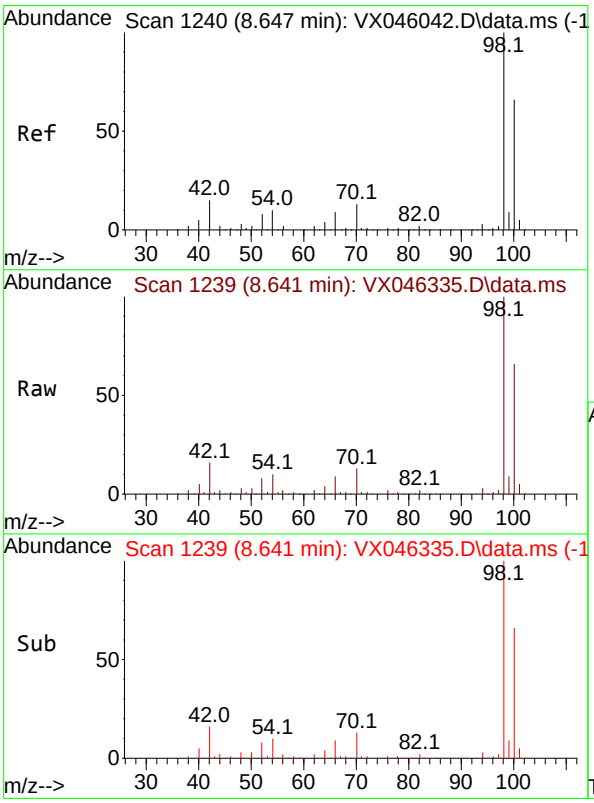
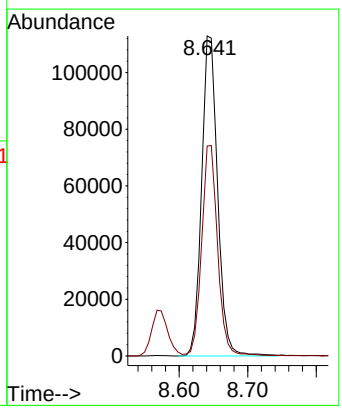


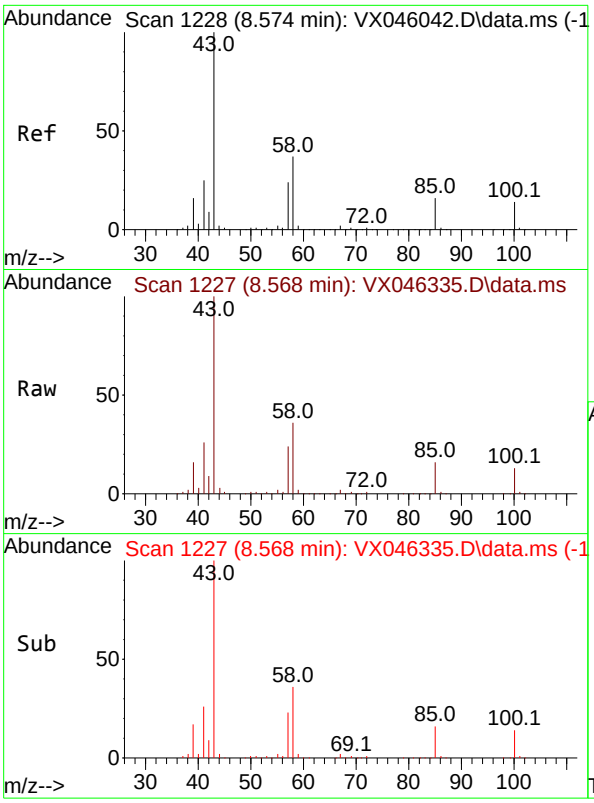


#50
Toluene-d8
Concen: 50.285 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 98 Resp: 183386

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3

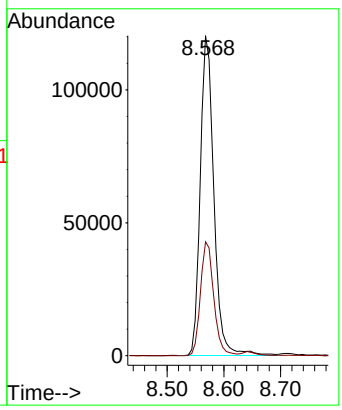




#51
4-Methyl-2-Pentanone
Concen: 113.201 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 20050

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
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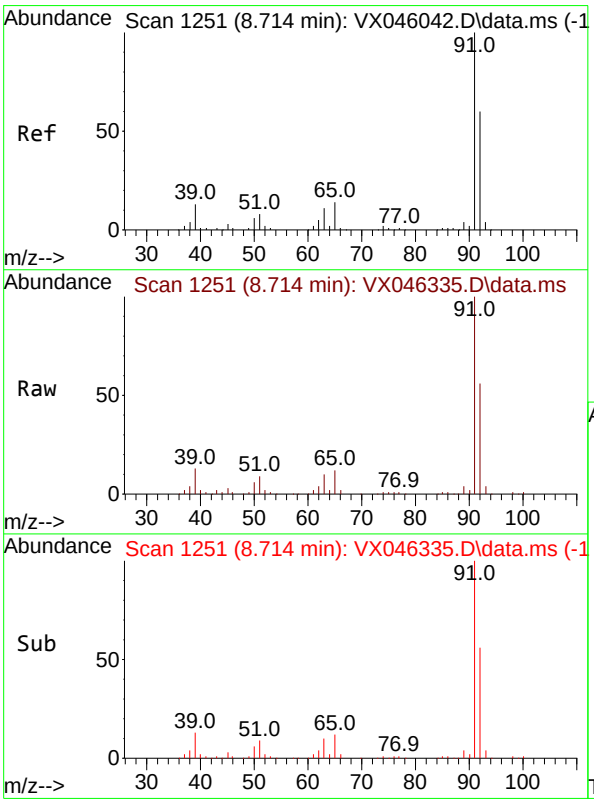
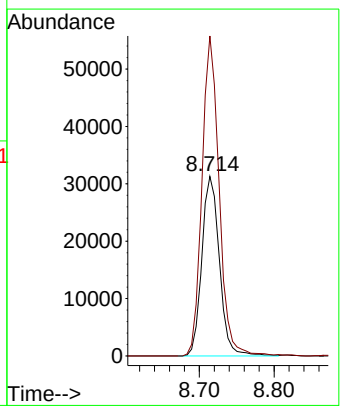
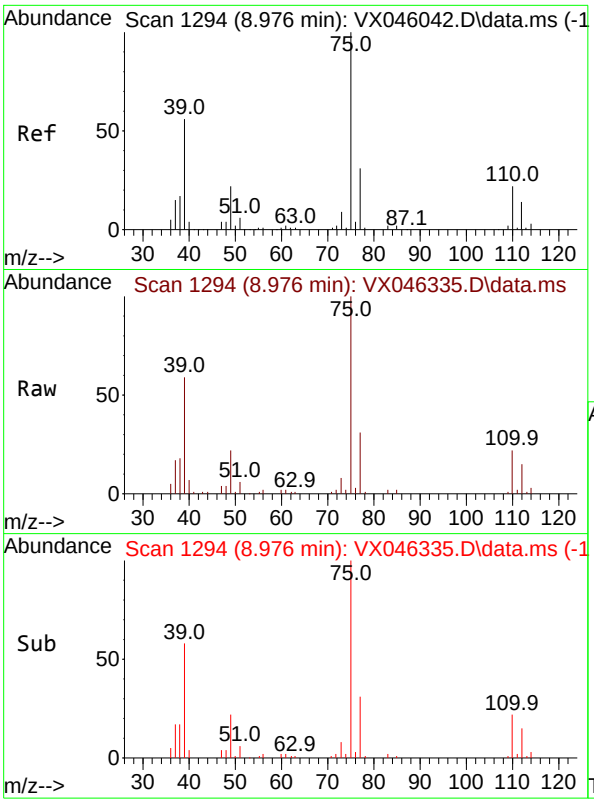


#52
Toluene
Concen: 20.154 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 92 Resp: 51247

Ion	Ratio	Lower	Upper
92	100		
91	173.8	136.6	205.0

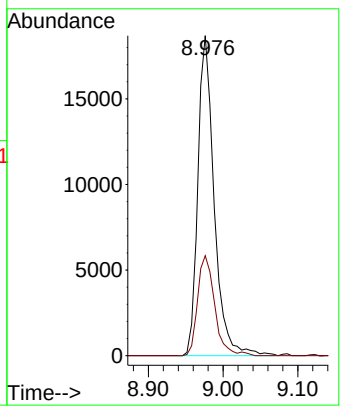




#53
t-1,3-Dichloropropene
Concen: 19.867 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 75 Resp: 2828

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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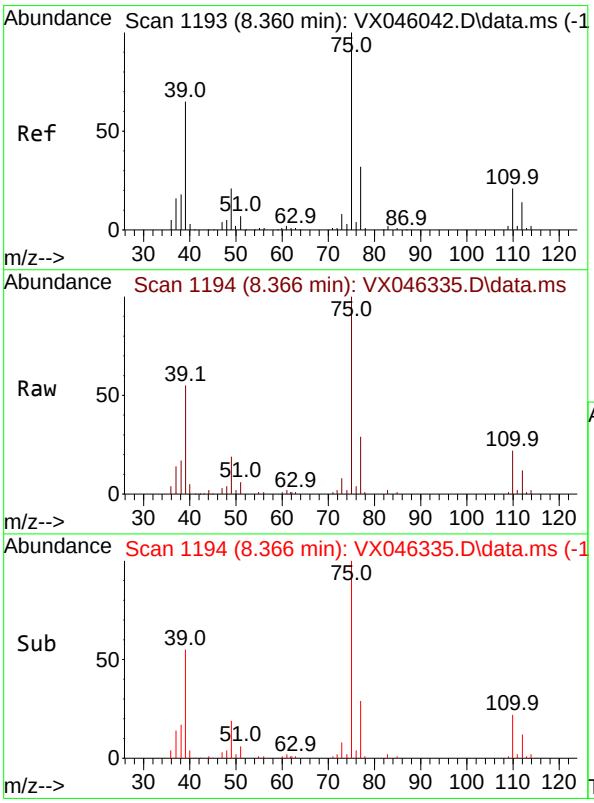
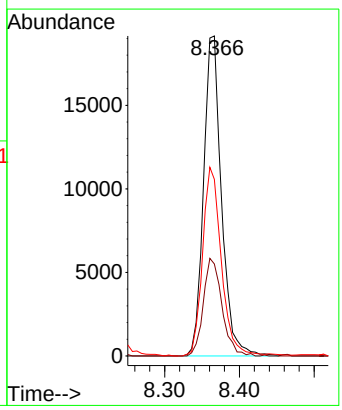
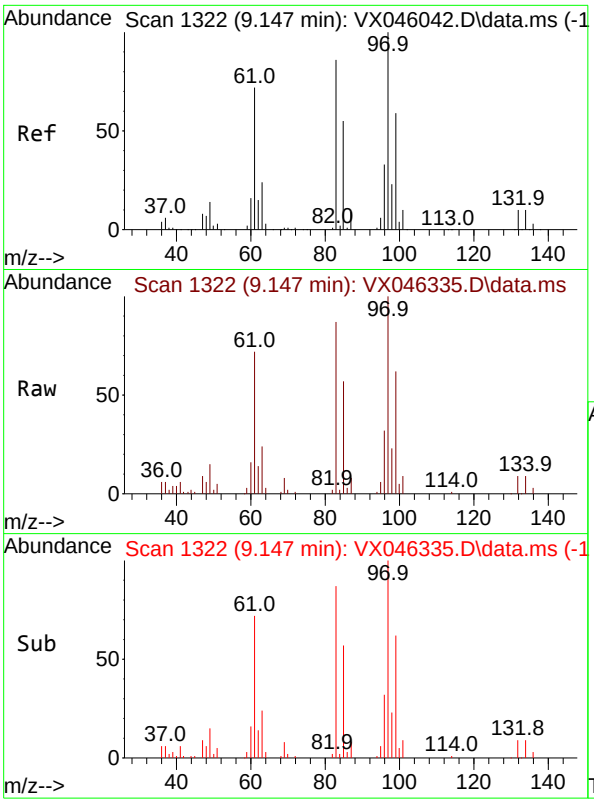


#54
cis-1,3-Dichloropropene
Concen: 20.317 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 75 Resp: 31971

Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.4	38.0
39	55.2	52.2	78.4

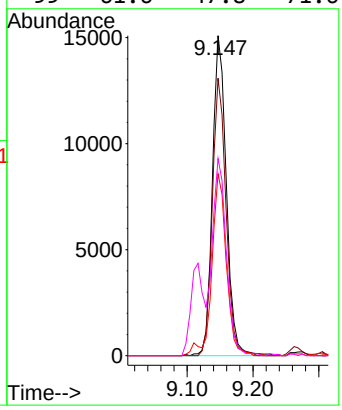




#55
1,1,2-Trichloroethane
Concen: 22.173 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 97 Resp: 2223

Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.0	103.6
85	56.9	44.3	66.5
99	61.6	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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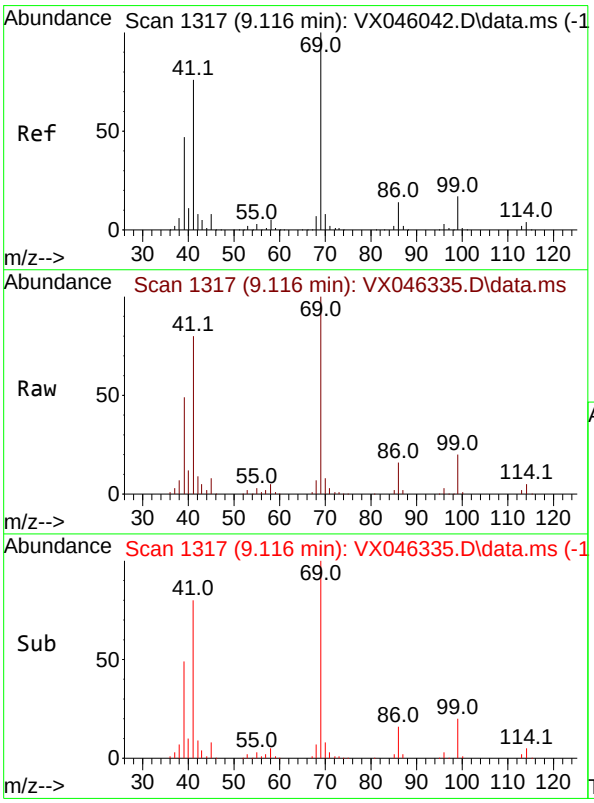
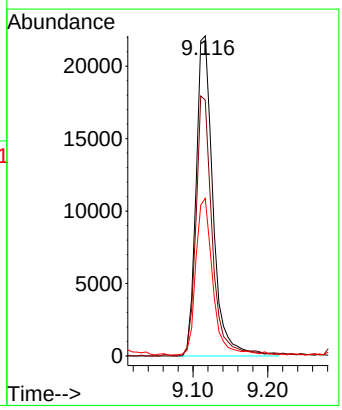
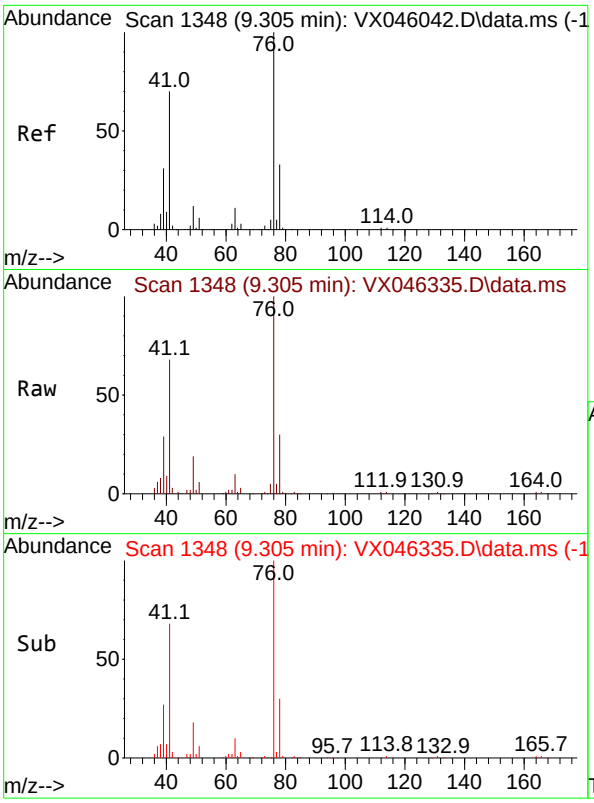


#56
Ethyl methacrylate
Concen: 21.764 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 69 Resp: 34778

Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.8	91.2
39	48.4	39.0	58.6





#57
1,3-Dichloropropane
Concen: 21.364 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 76 Resp: 3846

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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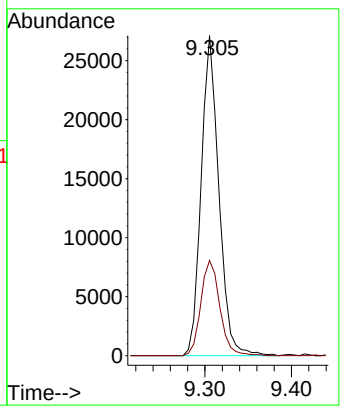
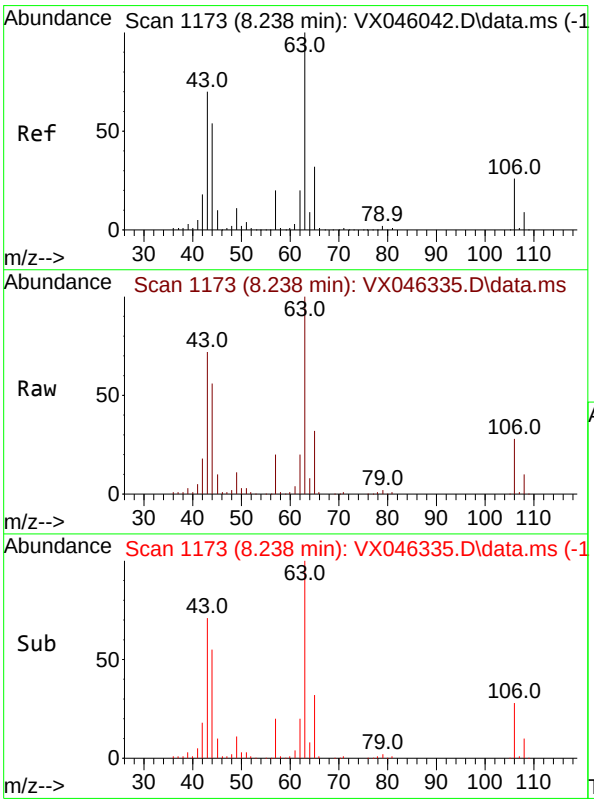
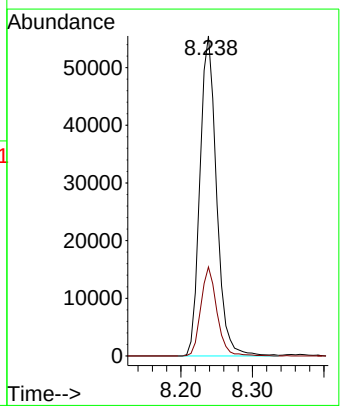


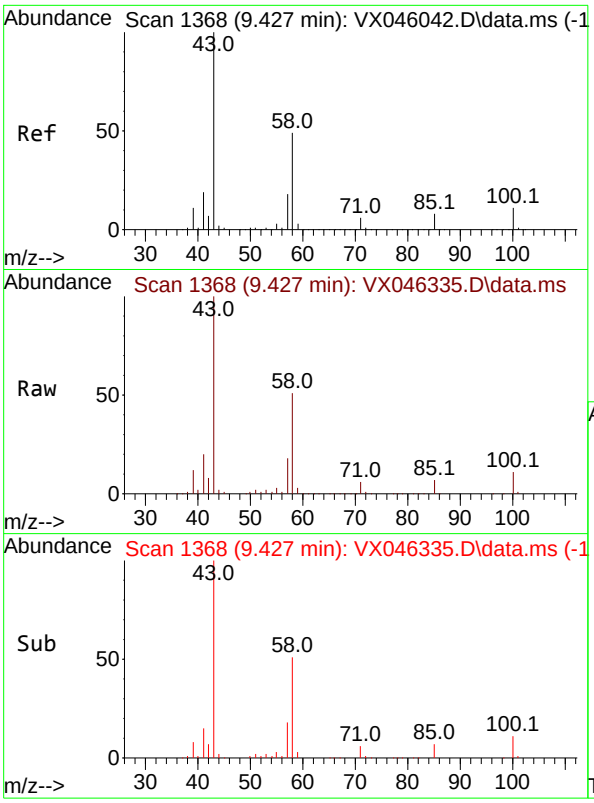


#58
2-Chloroethyl Vinyl ether
Concen: 110.078 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 63 Resp: 89677

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3





#59
2-Hexanone
Concen: 113.742 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 14905

Ion	Ratio	Lower	Upper
43	100		
58	50.0	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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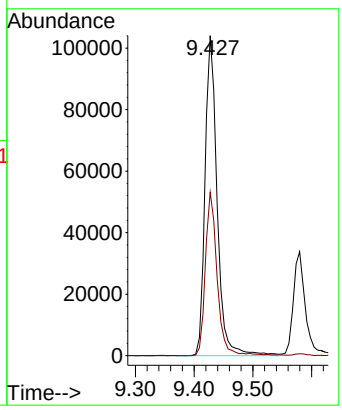
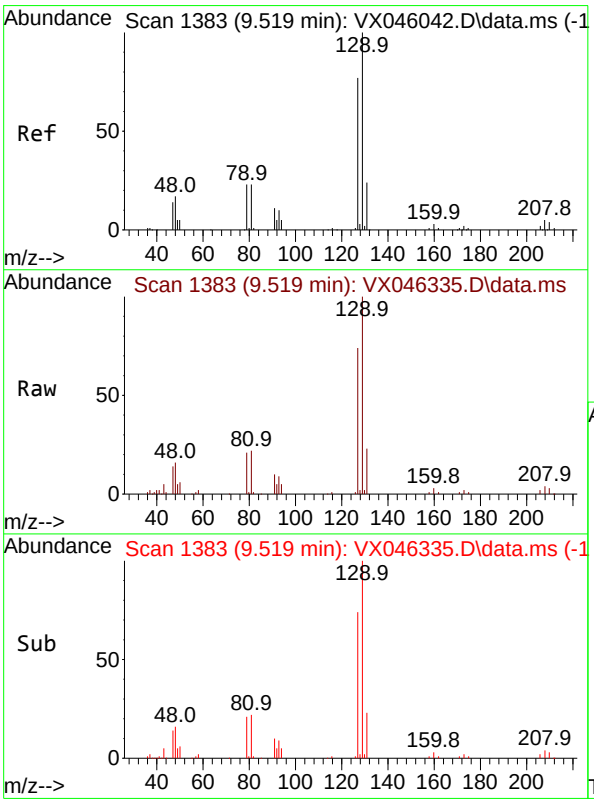
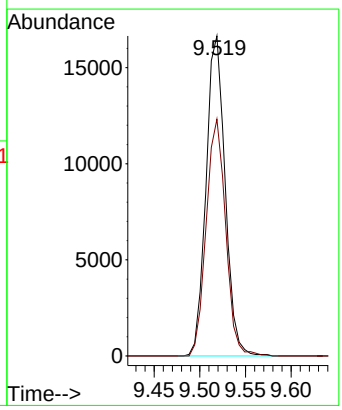


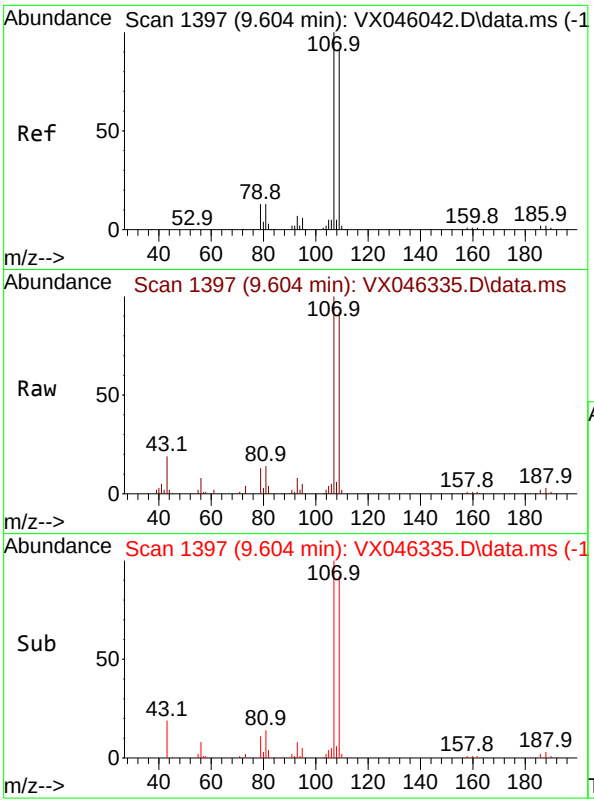


#60
Dibromochloromethane
Concen: 21.873 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:129 Resp: 24084

Ion	Ratio	Lower	Upper
129	100		
127	75.5	39.3	117.8

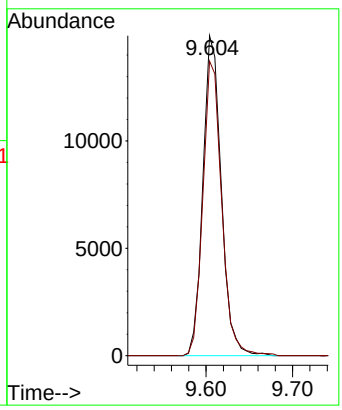




#61
1,2-Dibromoethane
Concen: 21.048 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:107 Resp: 2193

Ion	Ratio	Lower	Upper
107	100		
109	94.4	73.3	109.9



Instrument :
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ClientSampleId :
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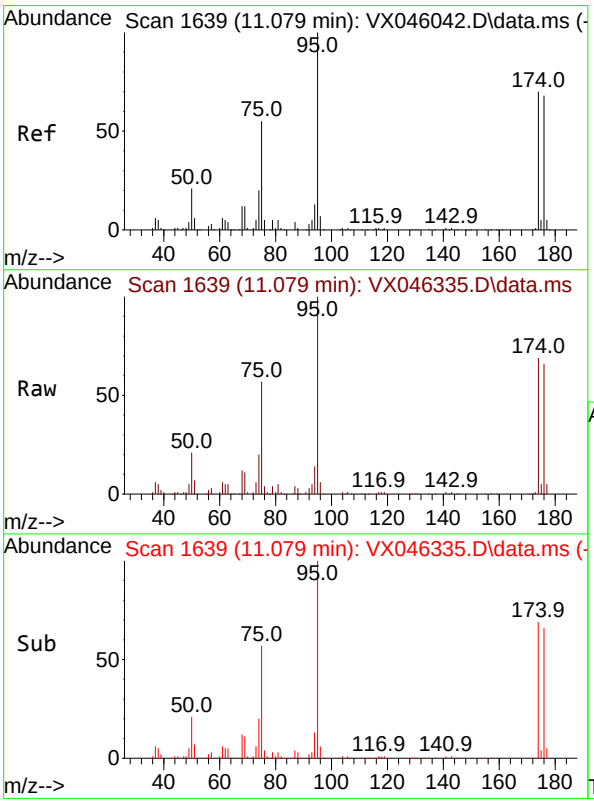
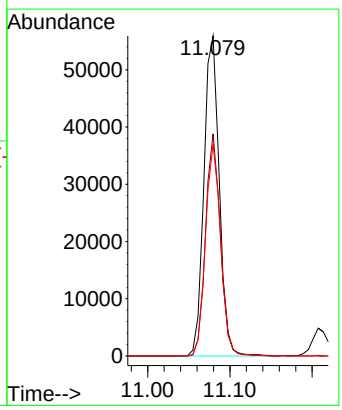
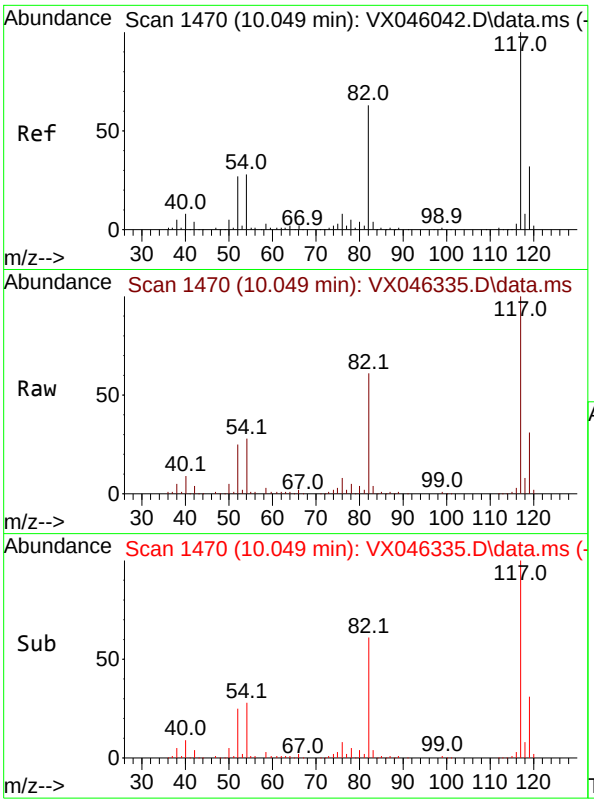


#62
4-Bromofluorobenzene
Concen: 51.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 95 Resp: 72498

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	65.2	0.0	131.4

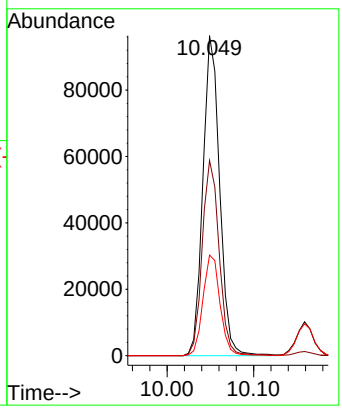




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:117 Resp: 12942

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	31.4	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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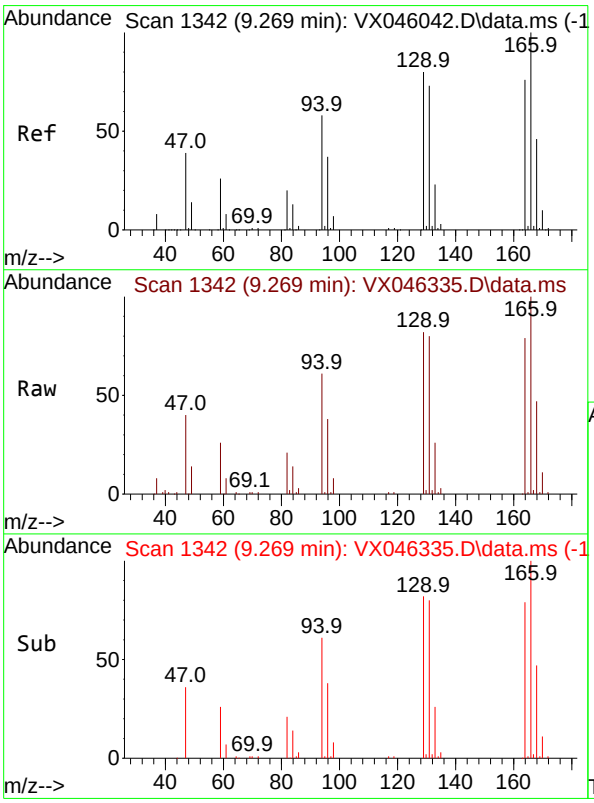
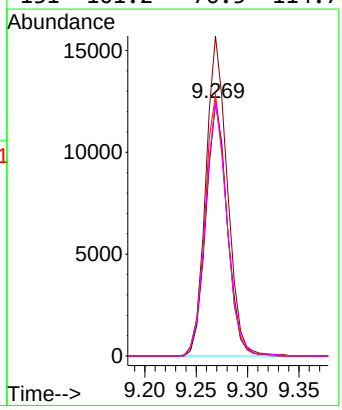
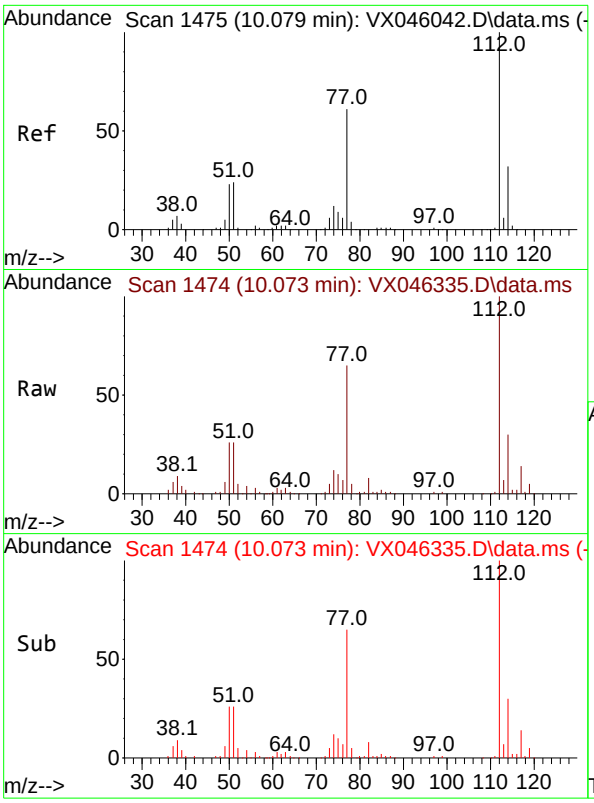


#64
Tetrachloroethene
Concen: 19.627 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:164 Resp: 17973

Ion	Ratio	Lower	Upper
164	100		
166	126.5	105.0	157.6
129	103.1	83.5	125.3
131	101.2	76.5	114.7

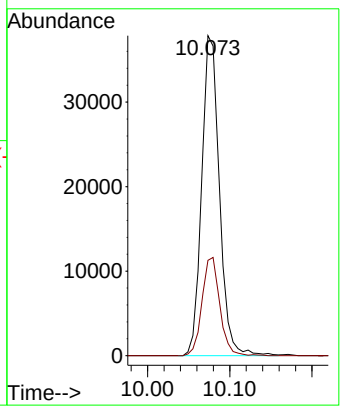




#65
Chlorobenzene
Concen: 20.010 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:112 Resp: 5668

Ion	Ratio	Lower	Upper
112	100		
114	29.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
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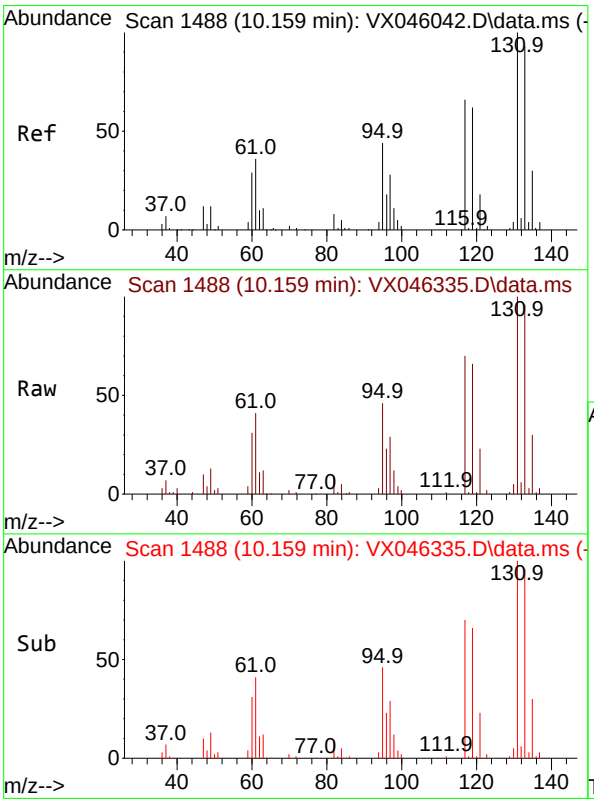
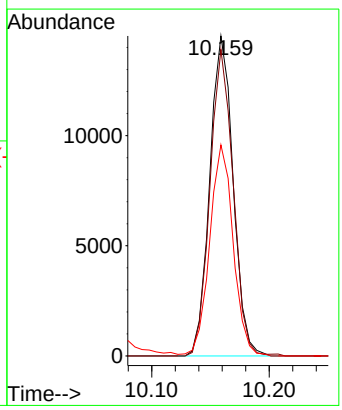
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

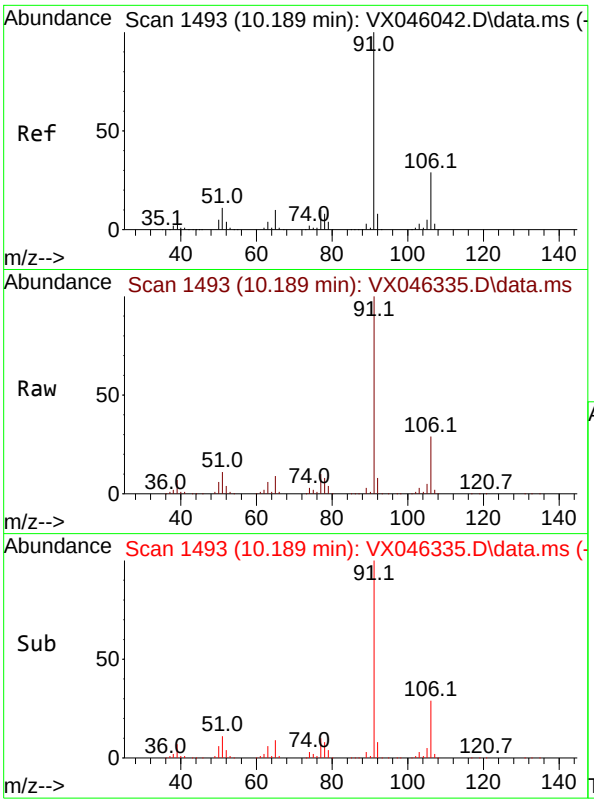


#66
1,1,1,2-Tetrachloroethane
Concen: 20.742 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:131 Resp: 20064

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.3	141.9
119	66.3	31.6	95.0

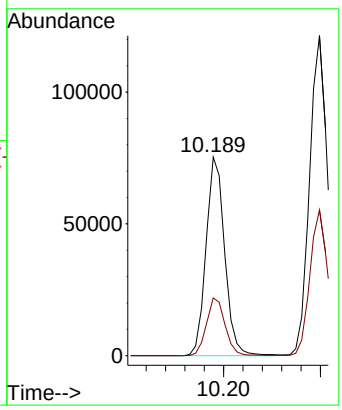




#67
Ethyl Benzene
Concen: 20.233 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 91 Resp: 10103

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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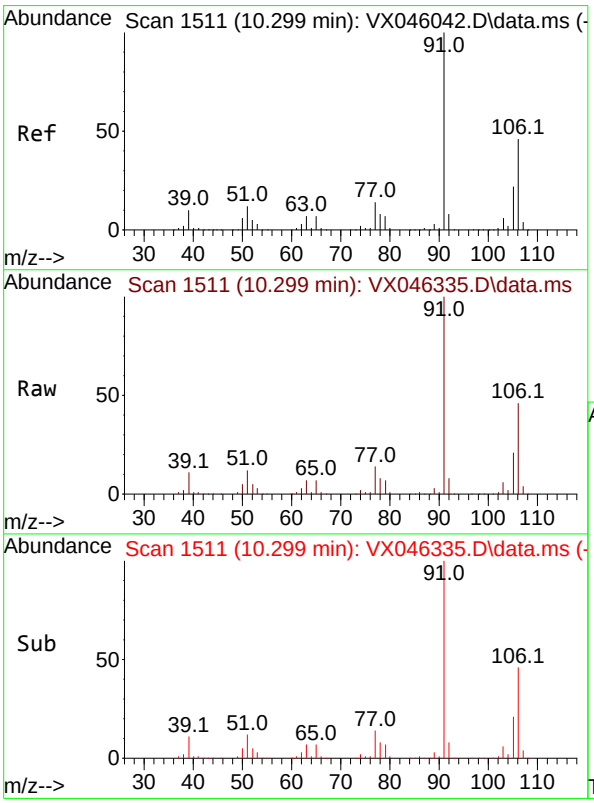
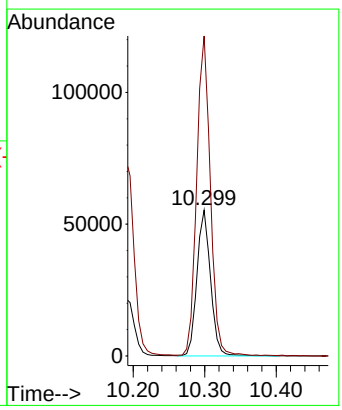
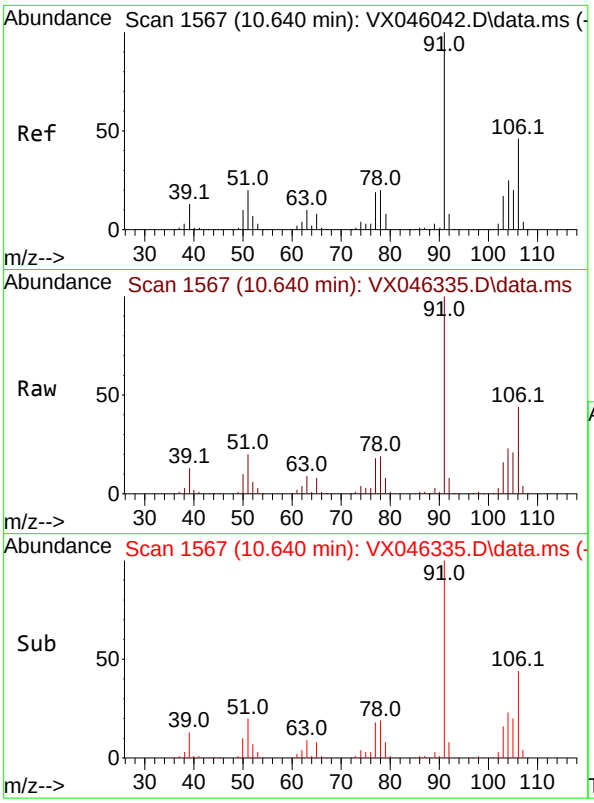


#68
m/p-Xylenes
Concen: 40.007 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:106 Resp: 73066

Ion	Ratio	Lower	Upper
106	100		
91	220.0	171.2	256.8

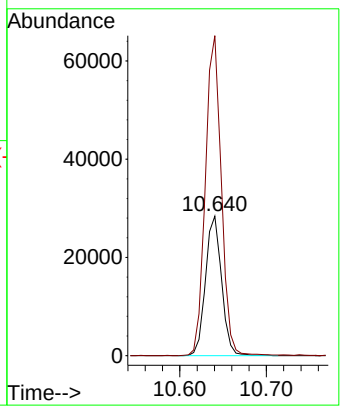




#69
o-Xylene
Concen: 20.562 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:106 Resp: 3661

Ion	Ratio	Lower	Upper
106	100		
91	228.0	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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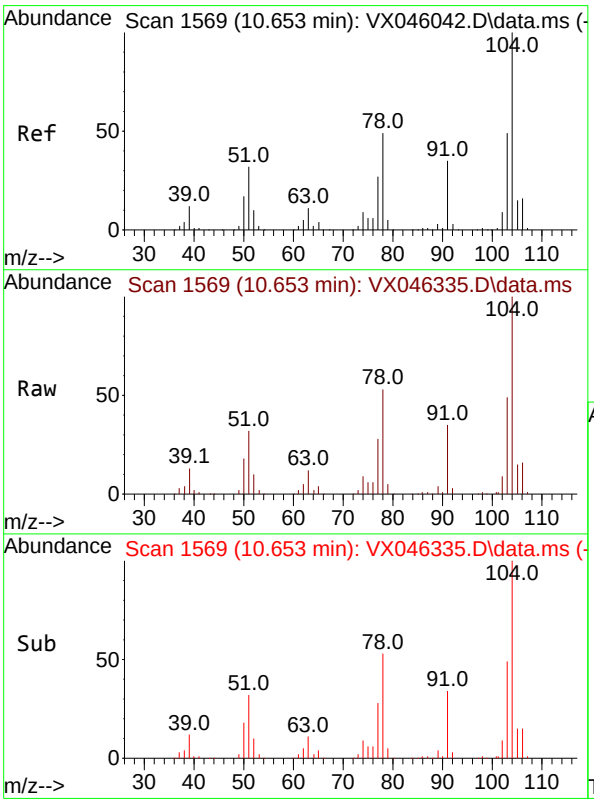
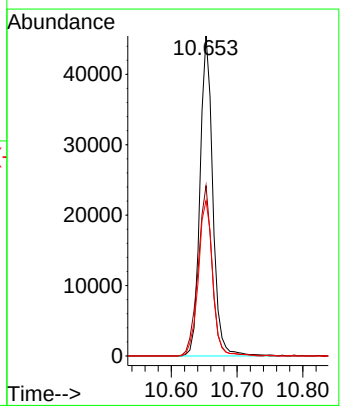
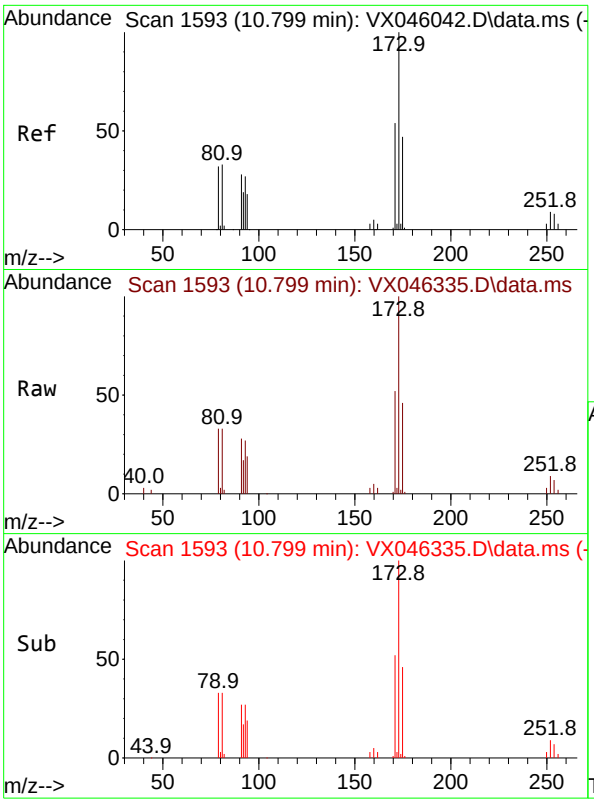


#70
Styrene
Concen: 21.074 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:104 Resp: 61465

Ion	Ratio	Lower	Upper
104	100		
78	58.4	45.7	68.5
103	54.4	43.7	65.5

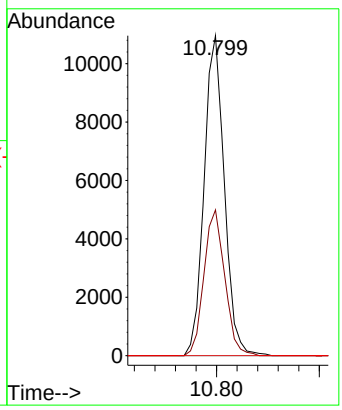




#71
Bromoform
Concen: 20.611 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:173 Resp: 1496

Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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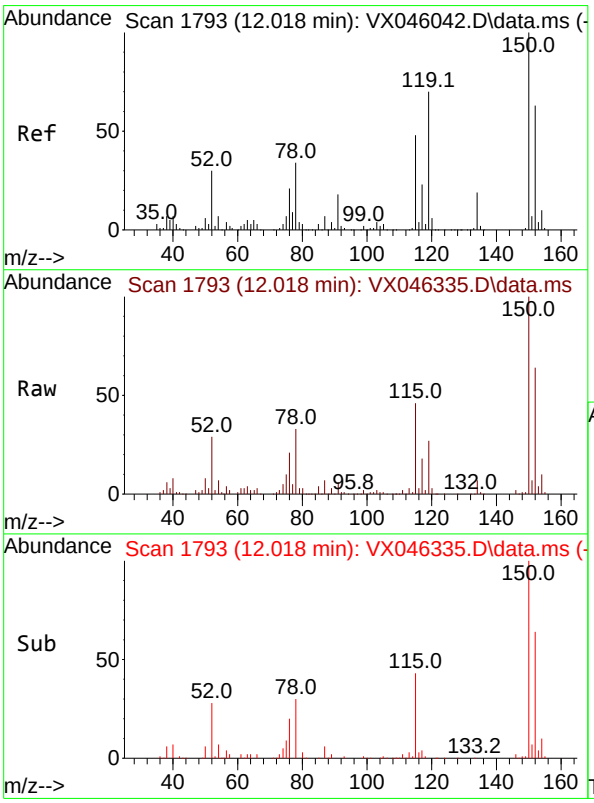
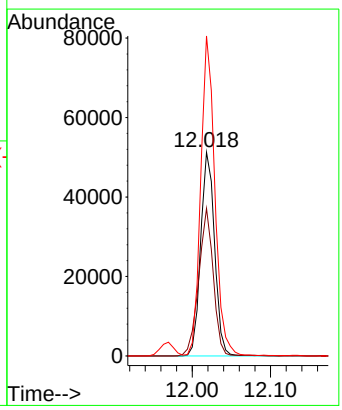
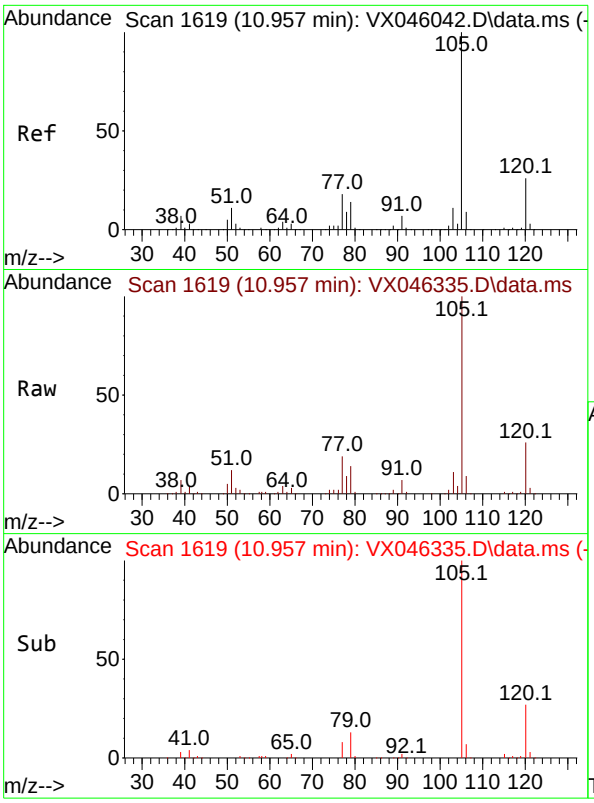


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:152 Resp: 63342

Ion	Ratio	Lower	Upper
152	100		
115	76.0	46.9	140.7
150	158.5	0.0	351.0





#73
Isopropylbenzene
Concen: 20.038 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:105 Resp: 9881

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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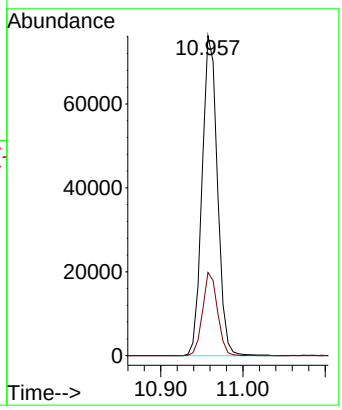
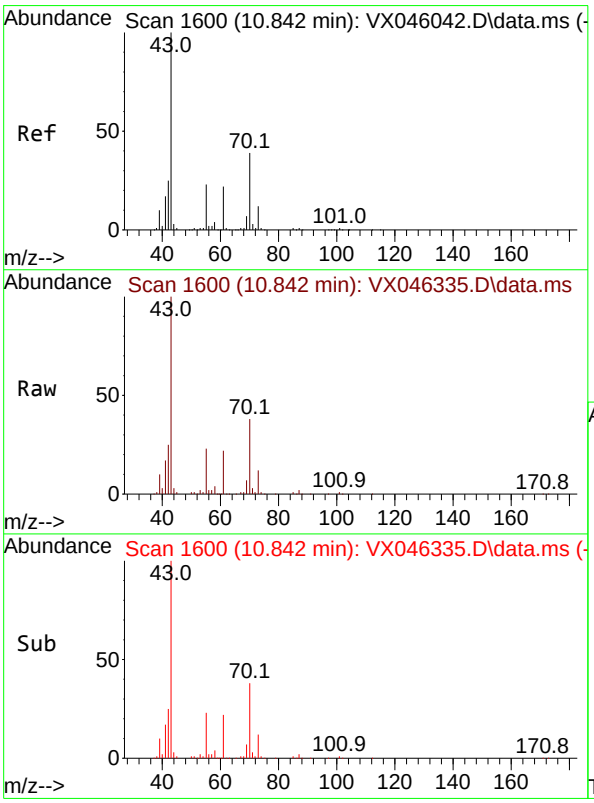
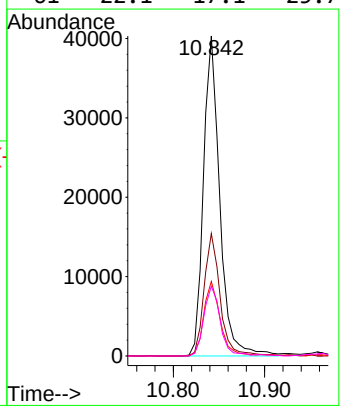


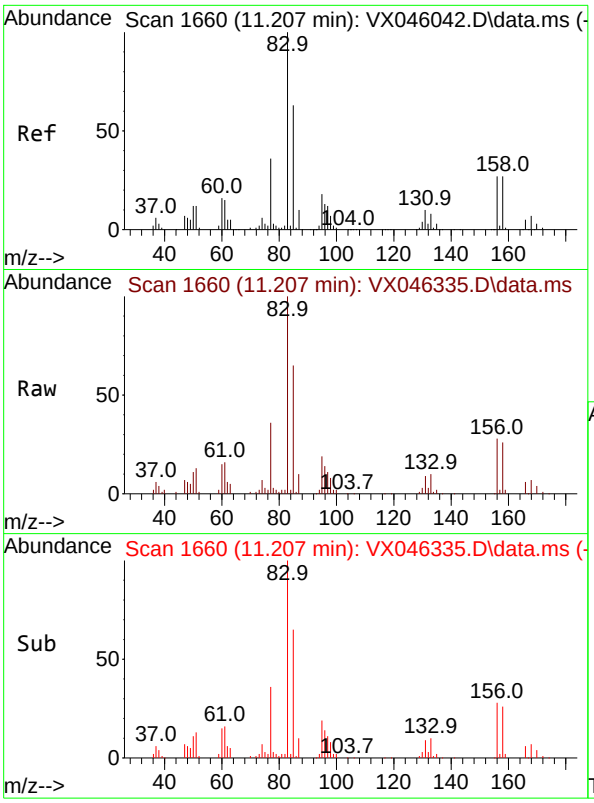


#74
N-amyl acetate
Concen: 20.434 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 43 Resp: 49793

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	23.2	18.7	28.1
61	22.1	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.182 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 83 Resp: 3487

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	66.3	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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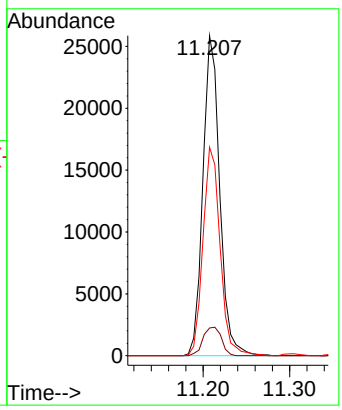
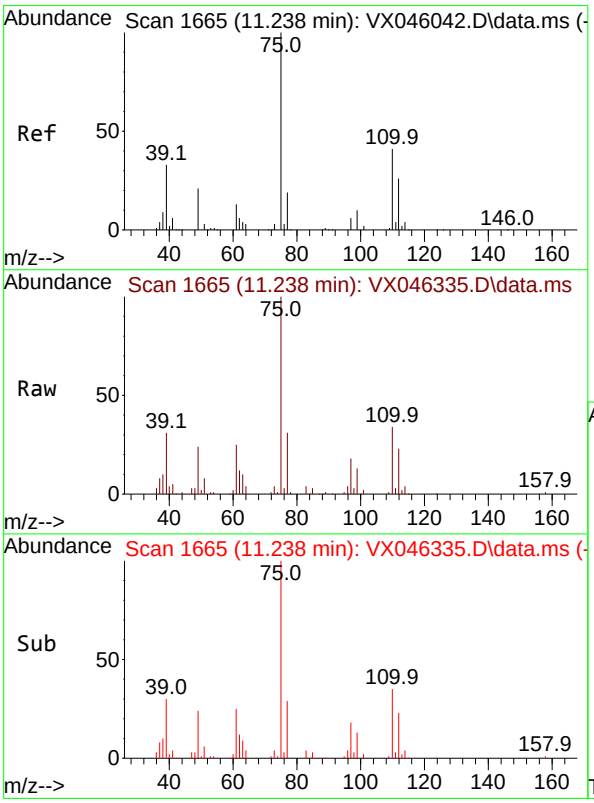
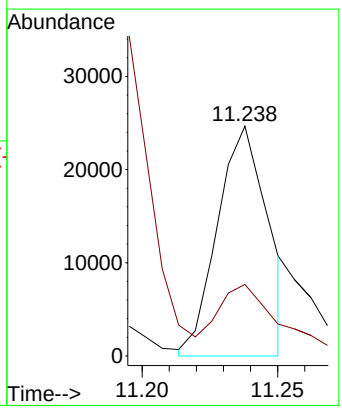


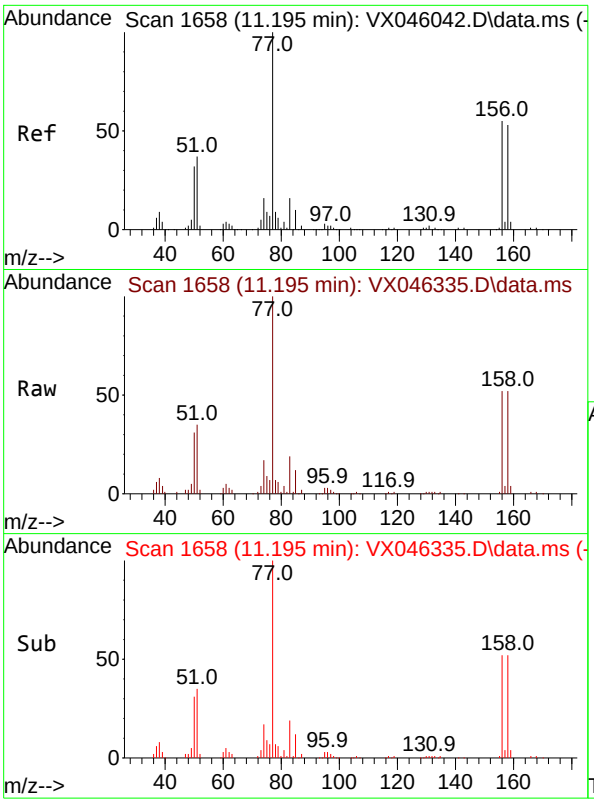


#76
1,2,3-Trichloropropane
Concen: 20.845 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 75 Resp: 31782

Ion	Ratio	Lower	Upper
75	100		
77	39.4	20.5	61.5

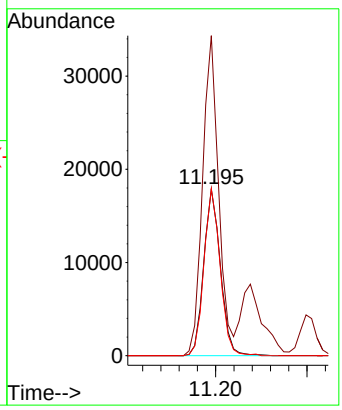




#77
Bromobenzene
Concen: 19.759 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:156 Resp: 2262

Ion	Ratio	Lower	Upper
156	100		
77	184.8	92.8	278.3
158	97.3	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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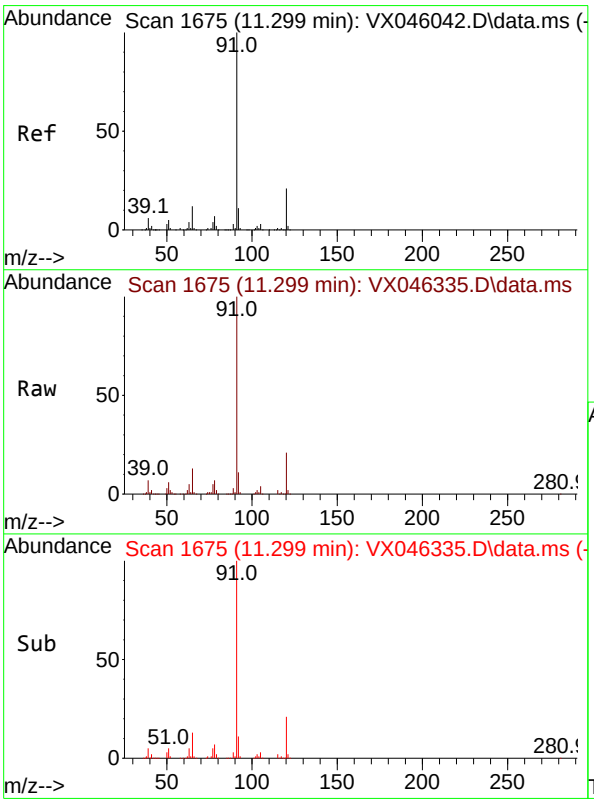
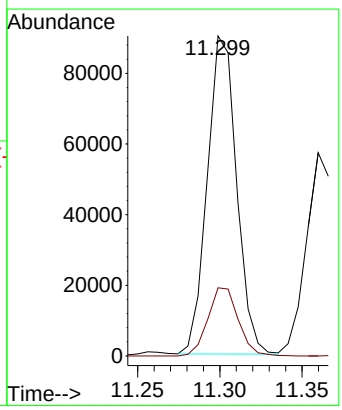
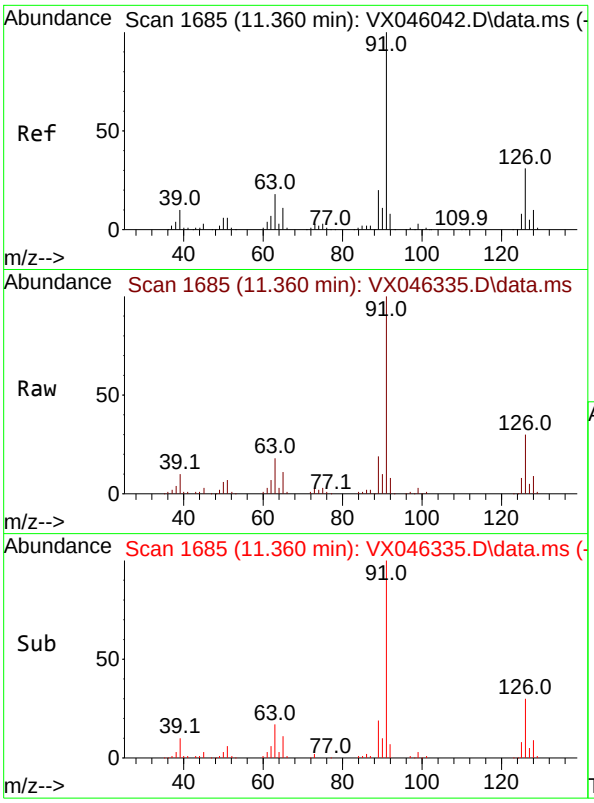


#78
n-propylbenzene
Concen: 19.493 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 91 Resp: 111773

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4

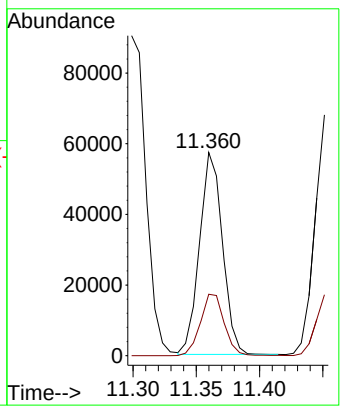




#79
2-Chlorotoluene
Concen: 19.546 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 91 Resp: 7228

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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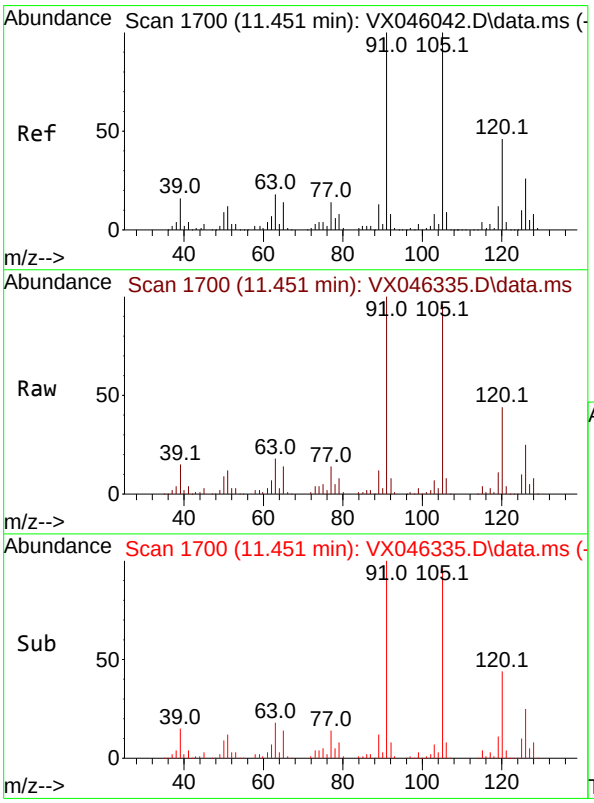
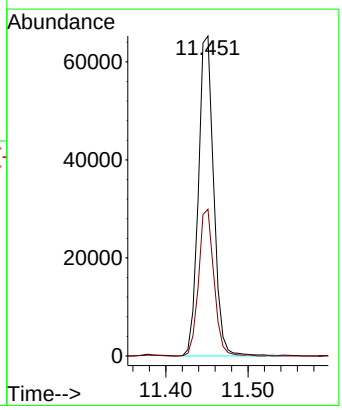
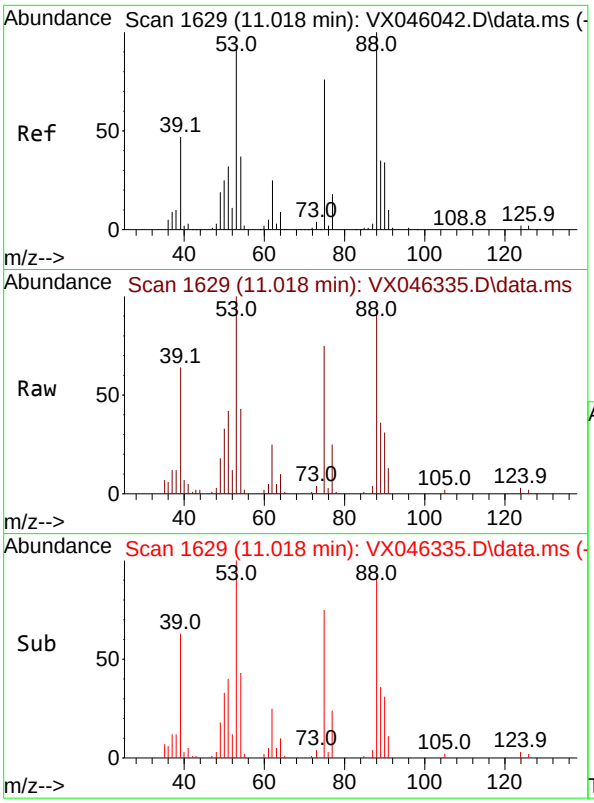


#80
1,3,5-Trimethylbenzene
Concen: 20.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:105 Resp: 84521

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.513 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 75 Resp: 867

Ion	Ratio	Lower	Upper
75	100		
53	129.7	100.5	150.7
89	46.5	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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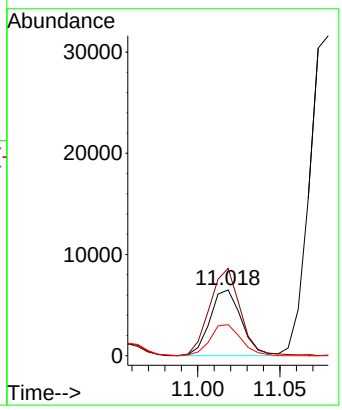
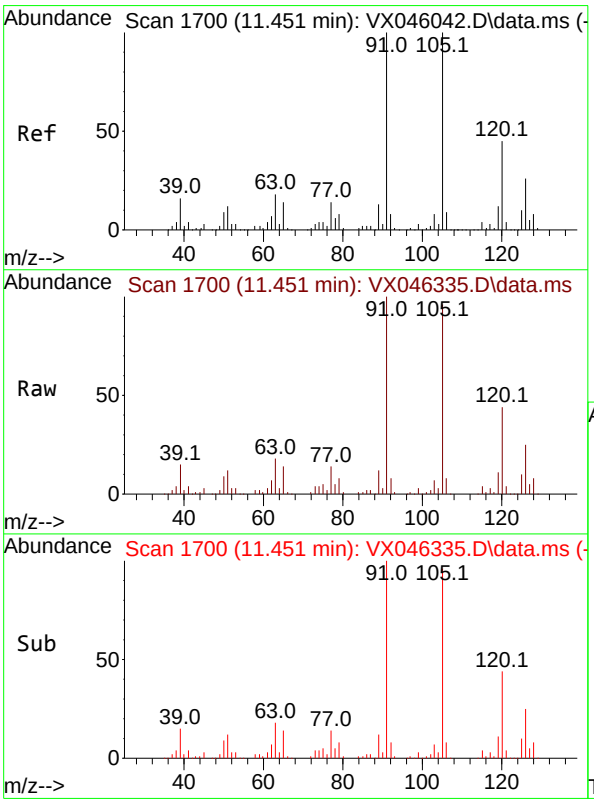
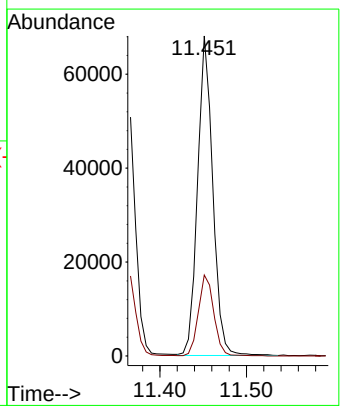


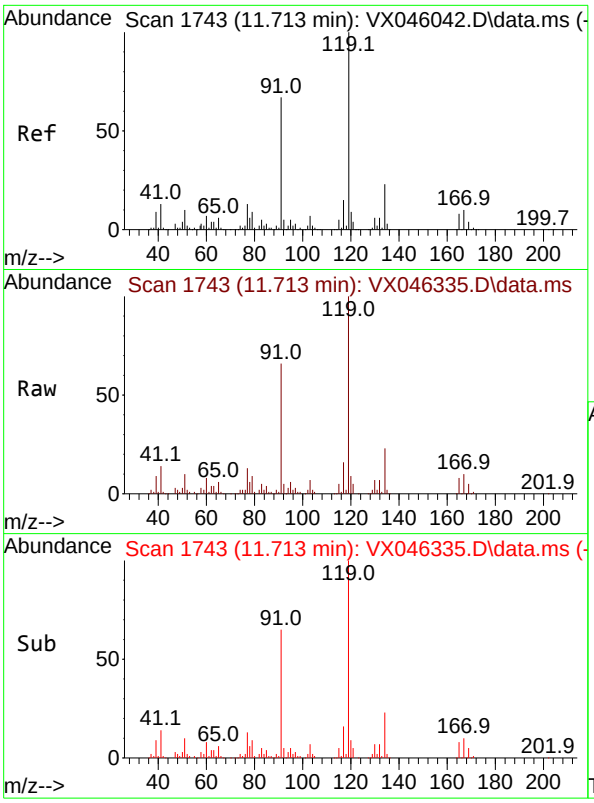


#82
4-Chlorotoluene
Concen: 20.173 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 91 Resp: 82736

Ion	Ratio	Lower	Upper
91	100		
126	25.9	13.3	39.8





#83
tert-Butylbenzene
Concen: 20.111 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:119 Resp: 8345

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.9	98.7
134	22.8	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

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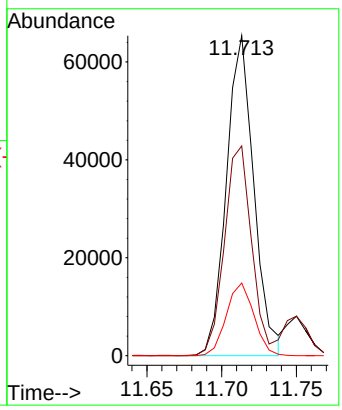
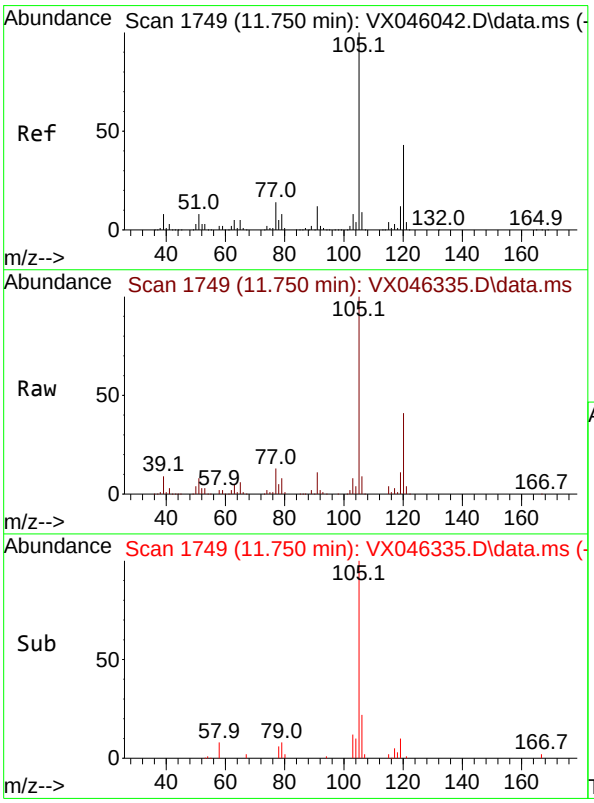
Supervised By :Mahesh Dadoda 05/26/2025

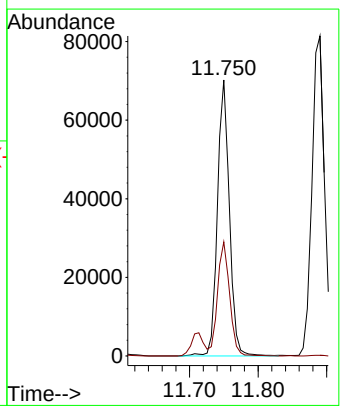


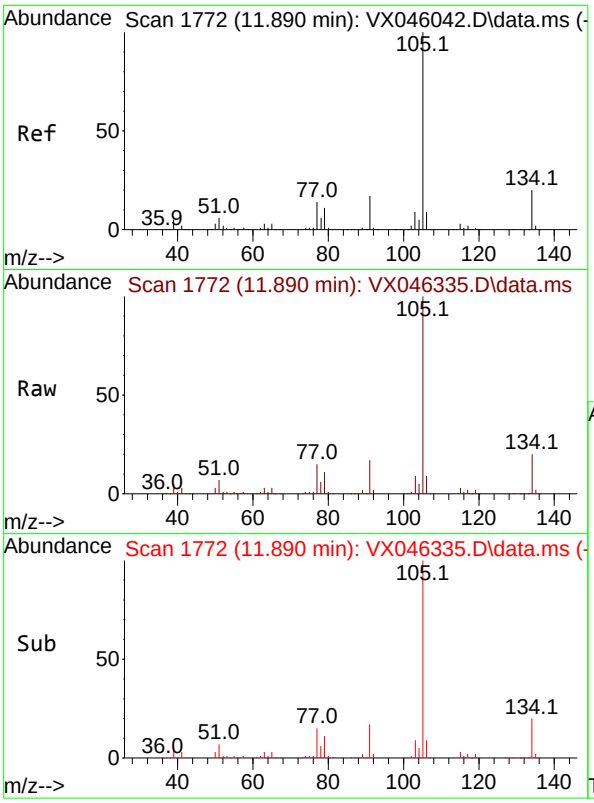


#84
1,2,4-Trimethylbenzene
Concen: 20.352 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:105 Resp: 84911

Ion	Ratio	Lower	Upper
105	100		
120	41.9	21.2	63.6





#85
sec-Butylbenzene
Concen: 20.232 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

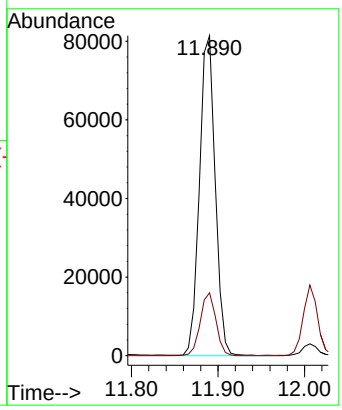
Tgt Ion:105 Resp: 10308

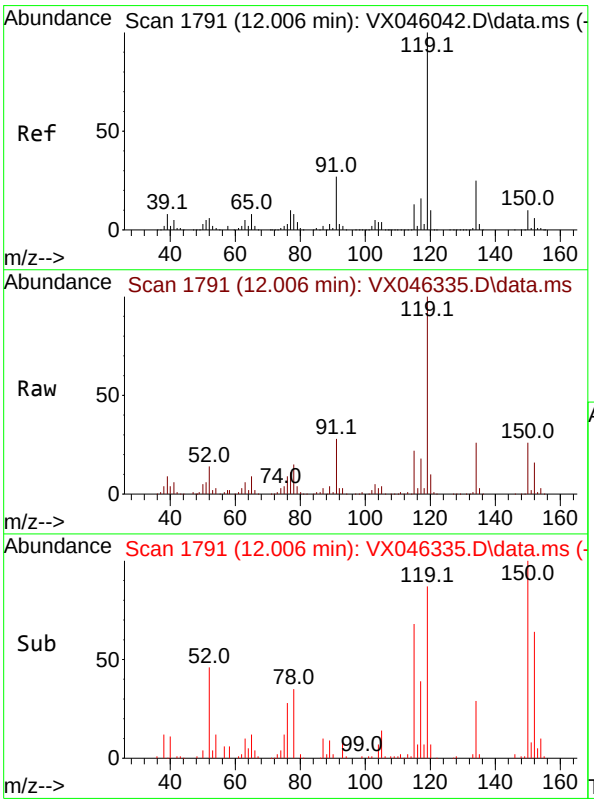
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

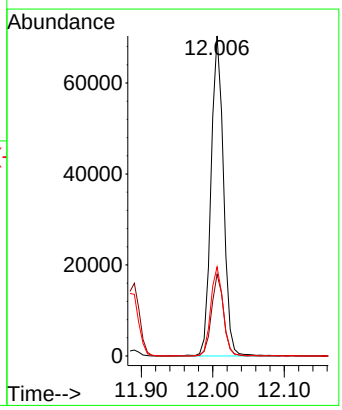


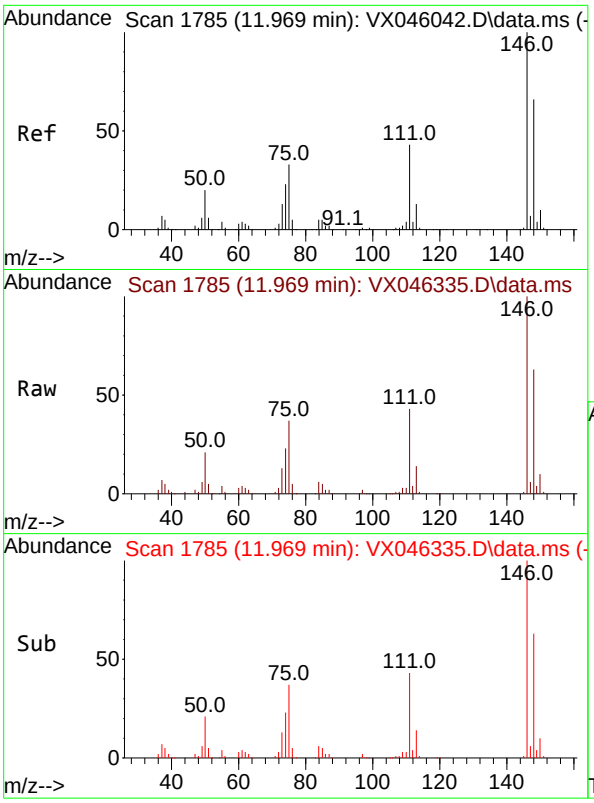


#86
p-Isopropyltoluene
Concen: 20.187 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:119 Resp: 84901

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	27.5	13.8	41.4

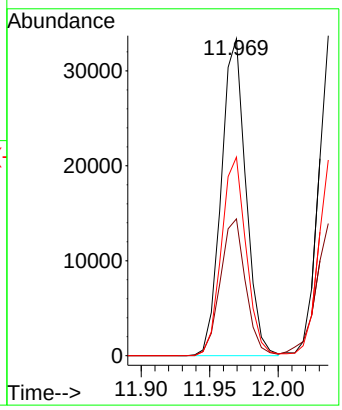




#87
1,3-Dichlorobenzene
Concen: 19.957 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:146 Resp: 4169

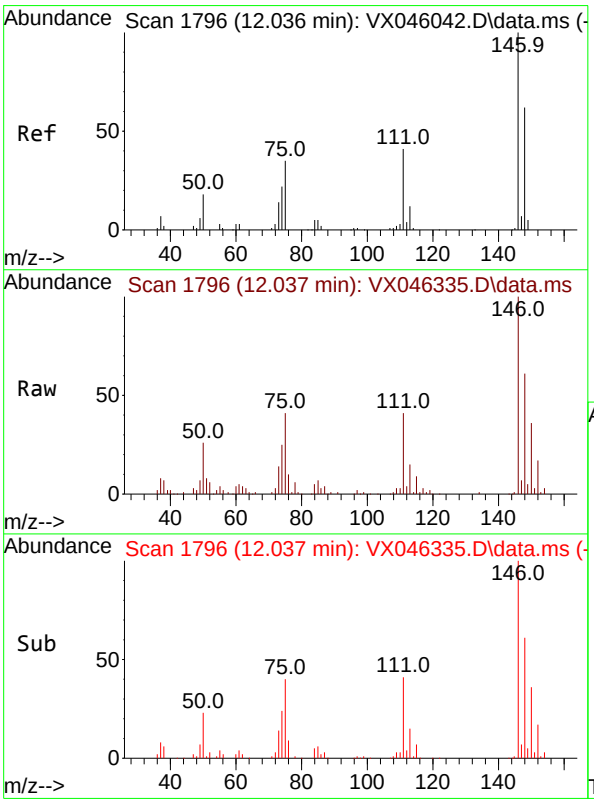
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.1	66.3
148	63.1	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

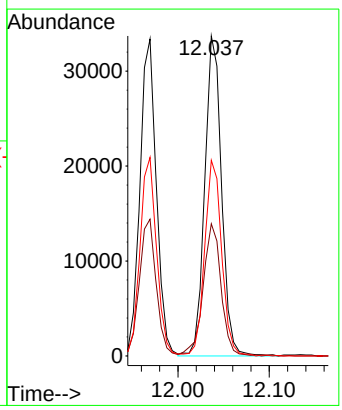
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

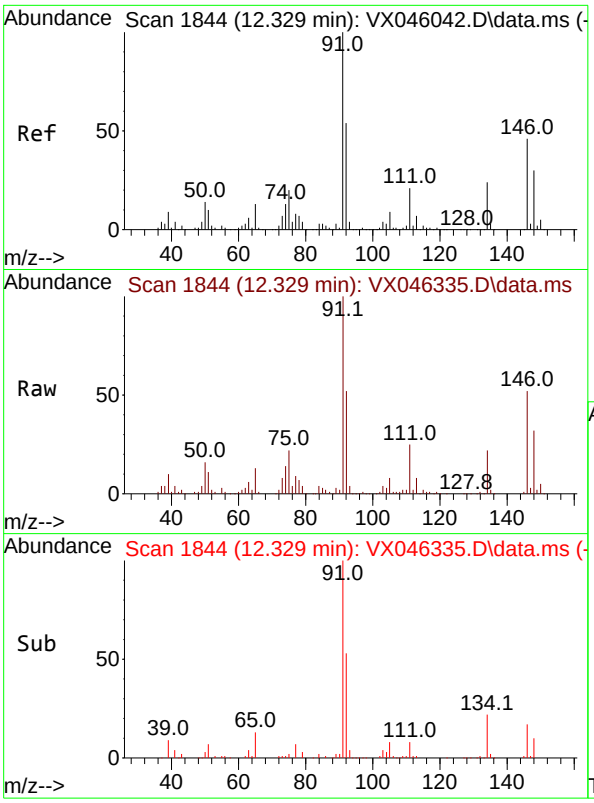


#88
1,4-Dichlorobenzene
Concen: 20.100 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:146 Resp: 42891

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.3	63.9
148	62.2	31.9	95.5

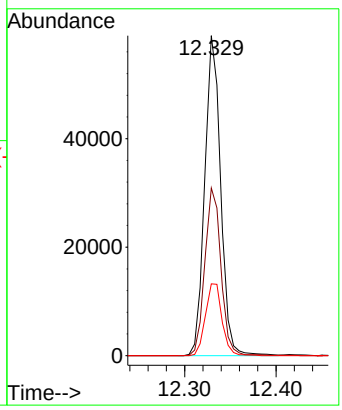




#89
n-Butylbenzene
Concen: 19.320 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 91 Resp: 7127

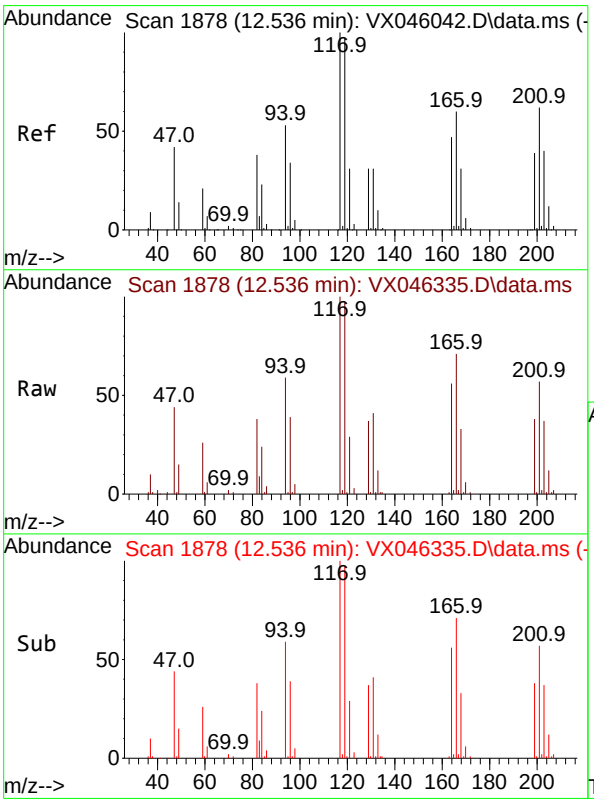
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.9	80.7
134	23.4	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

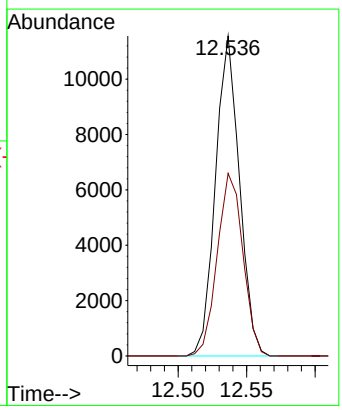
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

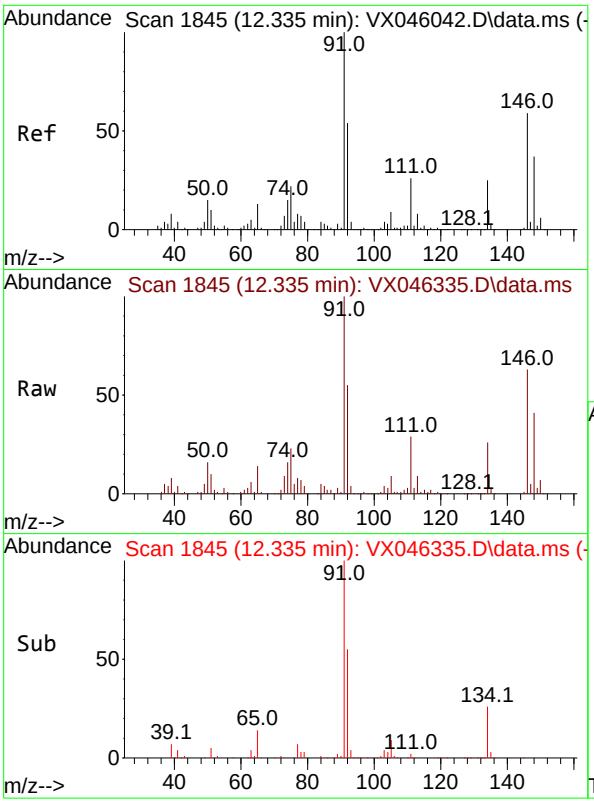


#90
Hexachloroethane
Concen: 18.934 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:117 Resp: 14029

Ion	Ratio	Lower	Upper
117	100		
201	61.2	31.6	94.7

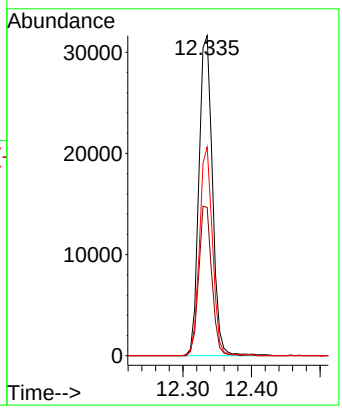




#91
1,2-Dichlorobenzene
Concen: 20.768 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:146 Resp: 4354

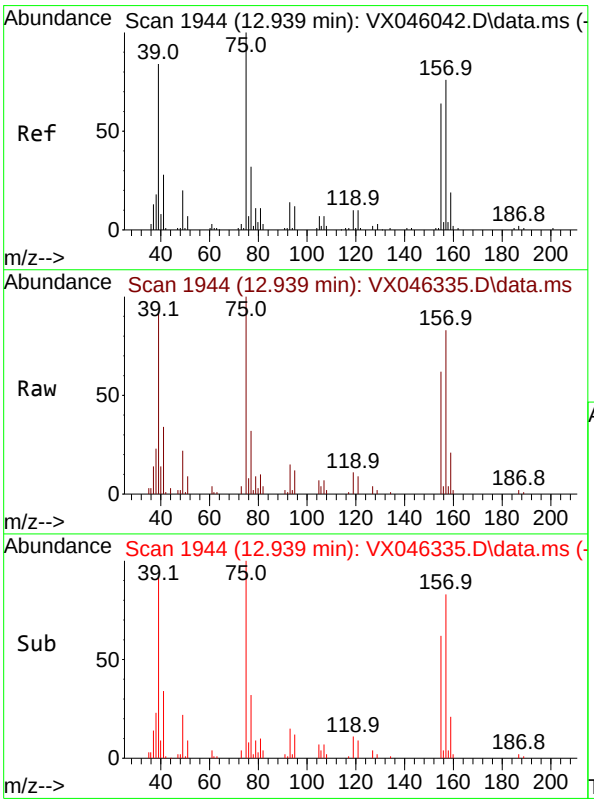
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.4	67.3
148	62.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

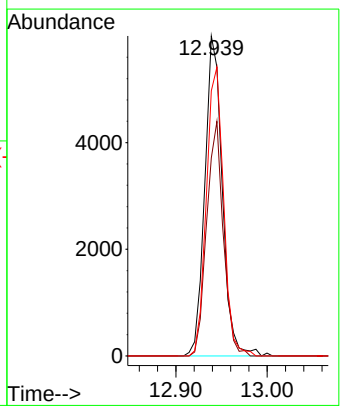
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

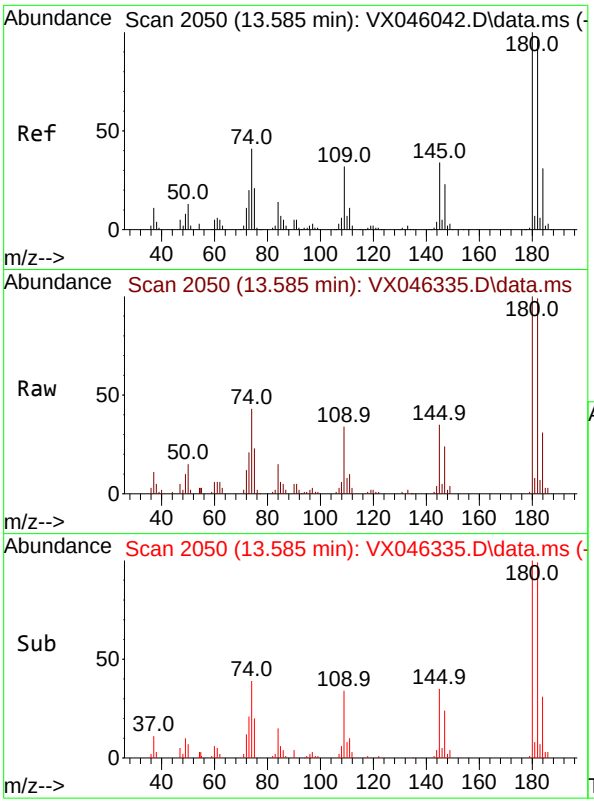


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.852 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion: 75 Resp: 7983

Ion	Ratio	Lower	Upper
75	100		
155	69.8	34.9	104.8
157	88.6	43.8	131.4

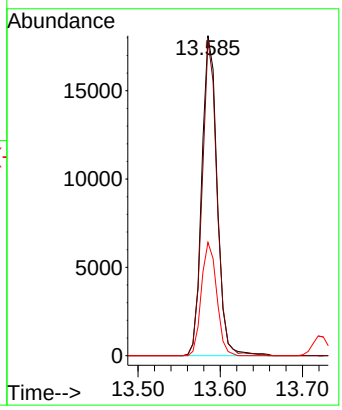




#93
1,2,4-Trichlorobenzene
Concen: 19.456 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:180 Resp: 2343

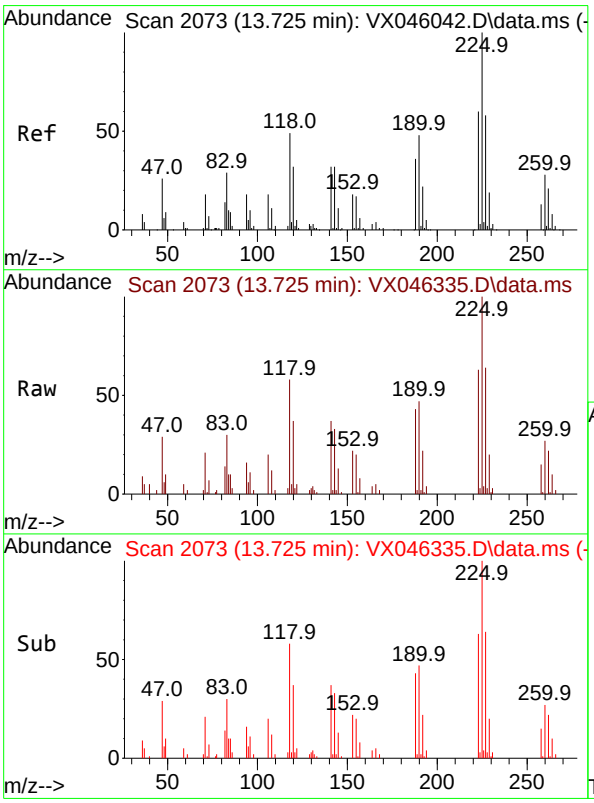
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	35.2	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

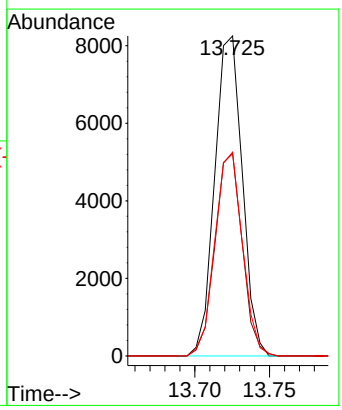
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025

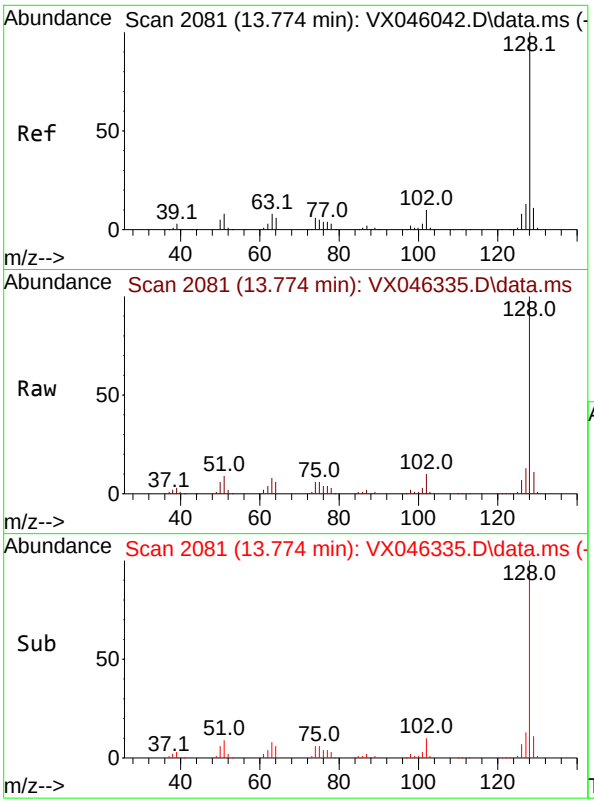


#94
Hexachlorobutadiene
Concen: 20.131 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:225 Resp: 10588

Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.8	92.4
227	63.6	30.9	92.7

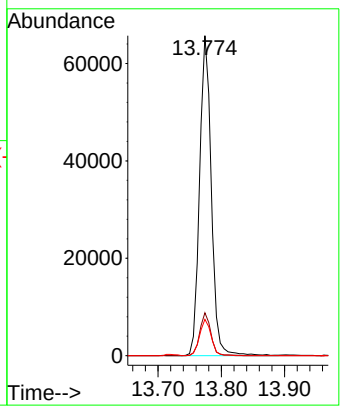




#95
Naphthalene
Concen: 19.233 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:128 Resp: 8495

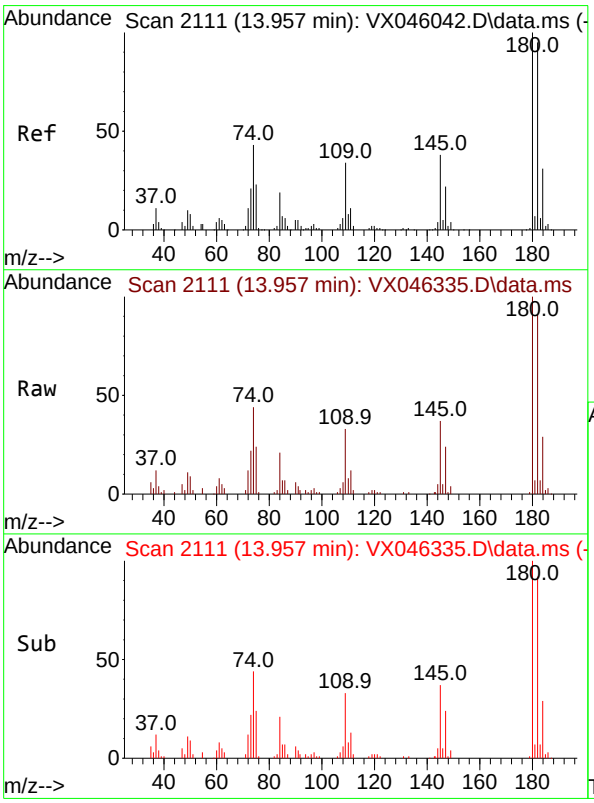
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.2	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0523MBS01

Manual Integrations
APPROVED

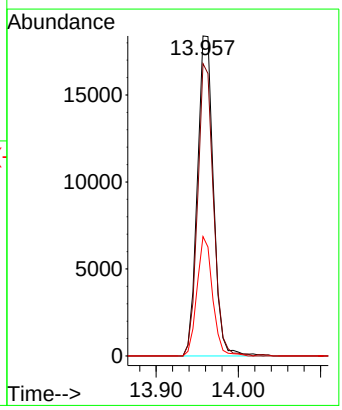
Reviewed By :Semsettin Yesilyurt 05/26/2025
Supervised By :Mahesh Dadoda 05/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.055 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046335.D
Acq: 23 May 2025 11:23

Tgt Ion:180 Resp: 24921

Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.8	143.3
145	36.1	18.1	54.3



Raw Data: **VY022331.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0520SBS01	SDG No.:	Q2075
Lab Sample ID:	VY0520SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022331.D	1		05/20/25 10:21	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	59.8		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	20.3		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	19.5		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.8		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	19.3		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	20.0		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.3		0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	19.7		1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		63 - 155	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	7.707			
540-36-3	1,4-Difluorobenzene	281000	8.616			
3114-55-4	Chlorobenzene-d5	237000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.347			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	162404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	280923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	236555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	111469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	93712	52.798	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.634	113	87259	52.042	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.080%			
50) Toluene-d8	10.103	98	353867	51.531	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.408	95	103841	47.707	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35898	21.184	ug/l	98
3) Chloromethane	2.068	50	106010	29.739	ug/l	96
4) Vinyl Chloride	2.202	62	121528	30.514	ug/l	99
5) Bromomethane	2.592	94	123030	37.947	ug/l	93
6) Chloroethane	2.733	64	86905	35.075	ug/l	97
7) Trichlorofluoromethane	3.044	101	115381	28.614	ug/l	96
8) Diethyl Ether	3.452	74	21262	21.972	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39180	22.382	ug/l	98
10) Methyl Iodide	4.001	142	39806	19.647	ug/l	97
11) Tert butyl alcohol	4.885	59	15076	111.229	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	38409	22.110	ug/l	99
13) Acrolein	3.653	56	14505	73.203	ug/l	92
14) Allyl chloride	4.379	41	58664	19.259	ug/l	91
15) Acrylonitrile	5.055	53	44040	110.449	ug/l	99
16) Acetone	3.873	43	33441	100.481	ug/l	96
17) Carbon Disulfide	4.104	76	121089	21.376	ug/l	100
18) Methyl Acetate	4.391	43	22221	21.176	ug/l	94
19) Methyl tert-butyl Ether	5.116	73	105578	22.042	ug/l	100
20) Methylene Chloride	4.616	84	43159	20.069	ug/l	92
21) trans-1,2-Dichloroethene	5.110	96	41335	21.557	ug/l	94
22) Diisopropyl ether	6.013	45	129506	20.133	ug/l	94
23) Vinyl Acetate	5.958	43	393589	101.282	ug/l	97
24) 1,1-Dichloroethane	5.909	63	76757	21.359	ug/l	99
25) 2-Butanone	6.897	43	57164	102.685	ug/l	99
26) 2,2-Dichloropropane	6.884	77	65941	20.630	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	47974	21.681	ug/l	98
28) Bromochloromethane	7.244	49	32721	21.346	ug/l	98
29) Tetrahydrofuran	7.262	42	38507	107.516	ug/l	95
30) Chloroform	7.421	83	76921	22.315	ug/l	97
31) Cyclohexane	7.701	56	74031	20.618	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	67990	21.499	ug/l	99
36) 1,1-Dichloropropene	7.835	75	54092	19.586	ug/l	96
37) Ethyl Acetate	6.982	43	27235	20.496	ug/l	97
38) Carbon Tetrachloride	7.817	117	59086	20.669	ug/l	100
39) Methylcyclohexane	9.110	83	75810	20.432	ug/l	95
40) Benzene	8.079	78	170661	20.845	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15384	17.453 ug/l #	84
42) 1,2-Dichloroethane	8.158	62	47209	21.323 ug/l	99
43) Isopropyl Acetate	8.195	43	58799	20.290 ug/l	97
44) Trichloroethene	8.866	130	41880	20.573 ug/l	96
45) 1,2-Dichloropropane	9.140	63	40216	20.374 ug/l	96
46) Dibromomethane	9.231	93	22879	21.490 ug/l	98
47) Bromodichloromethane	9.420	83	57637	20.869 ug/l	99
48) Methyl methacrylate	9.219	41	26138	19.286 ug/l	92
49) 1,4-Dioxane	9.238	88	5078	422.215 ug/l #	88
51) 4-Methyl-2-Pentanone	10.000	43	142570	100.263 ug/l	97
52) Toluene	10.170	92	103885	20.038 ug/l	99
53) t-1,3-Dichloropropene	10.396	75	54150	20.090 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	62298	20.174 ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	28800	21.126 ug/l	97
56) Ethyl methacrylate	10.439	69	43432	20.452 ug/l	96
57) 1,3-Dichloropropane	10.719	76	51011	21.060 ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	83740	87.855 ug/l	99
59) 2-Hexanone	10.762	43	93178	97.733 ug/l	96
60) Dibromochloromethane	10.908	129	36043	20.369 ug/l	98
61) 1,2-Dibromoethane	11.012	107	27035	21.277 ug/l	99
64) Tetrachloroethene	10.646	164	47128	21.554 ug/l	98
65) Chlorobenzene	11.438	112	109284	20.477 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	36824	20.070 ug/l	99
67) Ethyl Benzene	11.518	91	198160	19.826 ug/l	98
68) m/p-Xylenes	11.627	106	149258	39.630 ug/l	98
69) o-Xylene	11.957	106	71971	20.198 ug/l	97
70) Styrene	11.969	104	118483	19.712 ug/l	99
71) Bromoform	12.133	173	20531	20.732 ug/l #	98
73) Isopropylbenzene	12.255	105	185361	20.072 ug/l	99
74) N-amyl acetate	12.072	43	50457	19.104 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	29407	20.706 ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	24209m	21.437 ug/l	
77) Bromobenzene	12.530	156	39771	20.164 ug/l	99
78) n-propylbenzene	12.597	91	226302	20.317 ug/l	100
79) 2-Chlorotoluene	12.682	91	120639	19.708 ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	145541	19.524 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	10455	18.754 ug/l	98
82) 4-Chlorotoluene	12.780	91	123547	19.623 ug/l	98
83) tert-Butylbenzene	12.999	119	131465	19.842 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	142982	19.322 ug/l	97
85) sec-Butylbenzene	13.176	105	196521	19.981 ug/l	100
86) p-Isopropyltoluene	13.292	119	160020	19.345 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	77805	19.324 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	77620	20.041 ug/l	97
89) n-Butylbenzene	13.615	91	154259	19.712 ug/l	99
90) Hexachloroethane	13.877	117	32205	19.287 ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	67307	19.901 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5031	21.968 ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	37416	19.152 ug/l	98
94) Hexachlorobutadiene	15.023	225	20316	18.648 ug/l	99
95) Naphthalene	15.145	128	72453	19.543 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	31537	19.029 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022331.D
Acq On : 20 May 2025 10:21
Operator : SY/MD
Sample : VY0520SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Time: May 21 01:43:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
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Instrument :
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ClientSampleId :
VY0520SBS01

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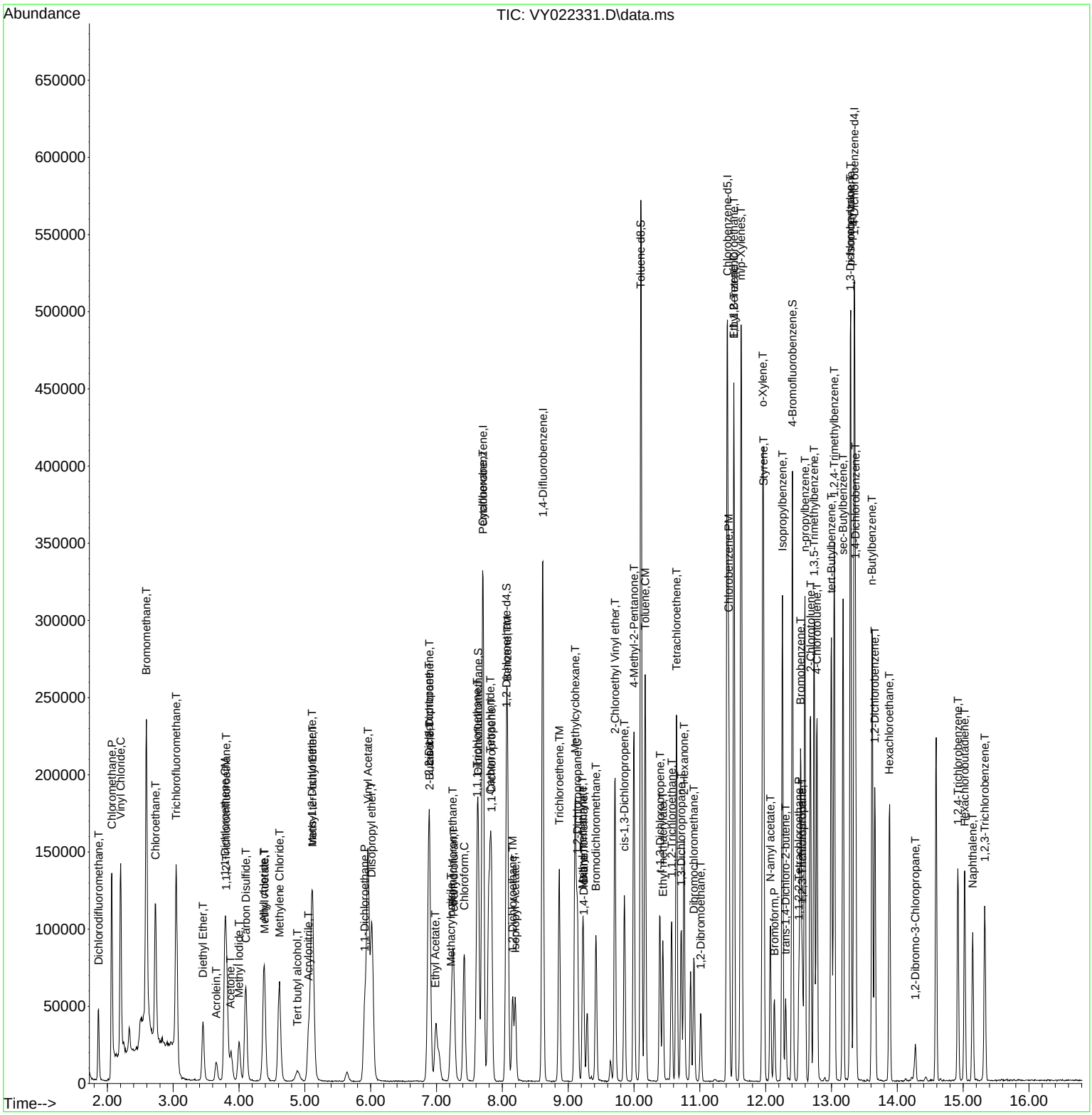

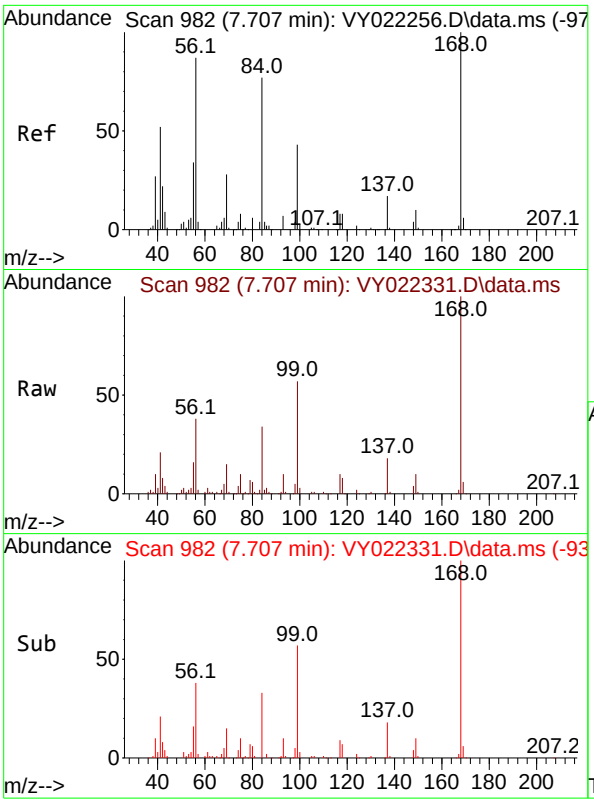

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:168 Resp: 16240

Ion	Ratio	Lower	Upper
168	100		
99	56.6	44.2	66.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
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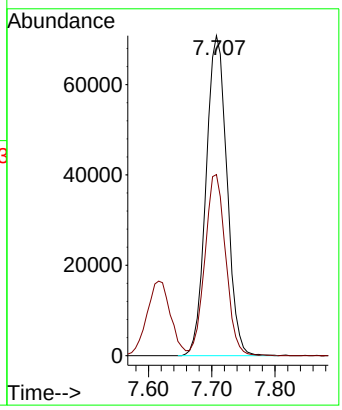
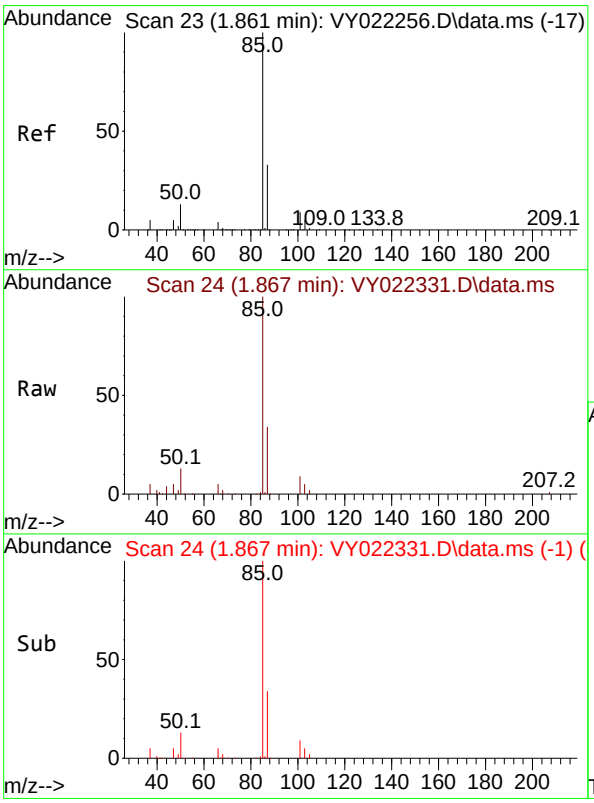
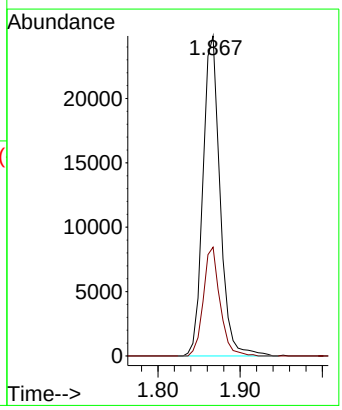


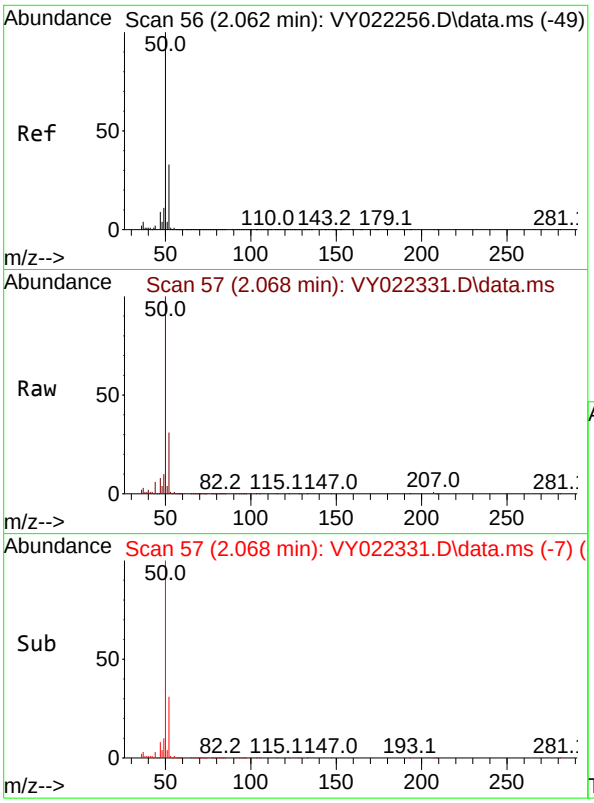


#2
Dichlorodifluoromethane
Concen: 21.184 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 85 Resp: 35898

Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.5	49.5

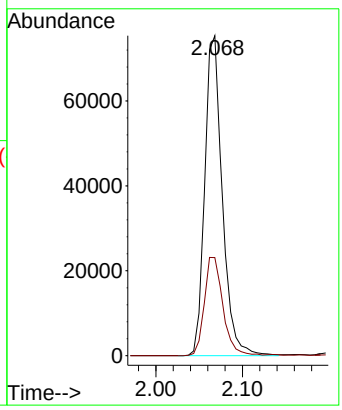




#3
Chloromethane
Concen: 29.739 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 50 Resp: 10601

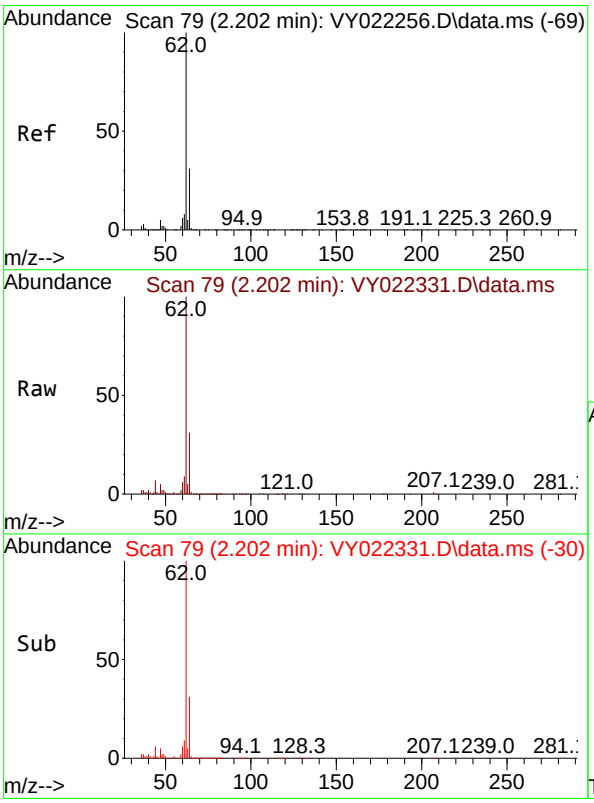
Ion	Ratio	Lower	Upper
50	100		
52	30.7	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

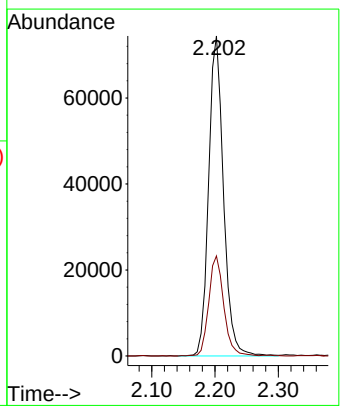
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

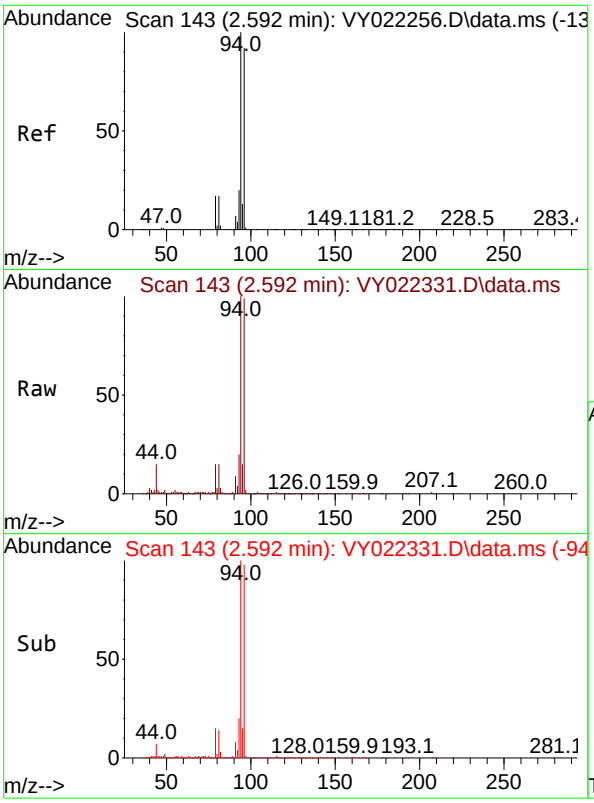


#4
Vinyl Chloride
Concen: 30.514 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 62 Resp: 121528

Ion	Ratio	Lower	Upper
62	100		
64	31.3	24.5	36.7





#5
Bromomethane
Concen: 37.947 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 94 Resp: 12303

Ion	Ratio	Lower	Upper
94	100		
96	98.4	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

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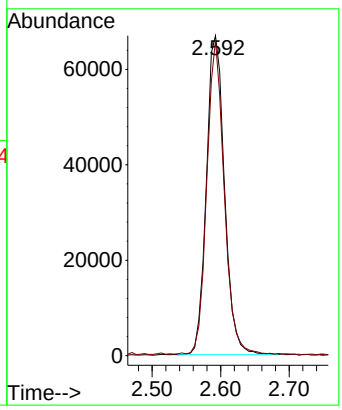
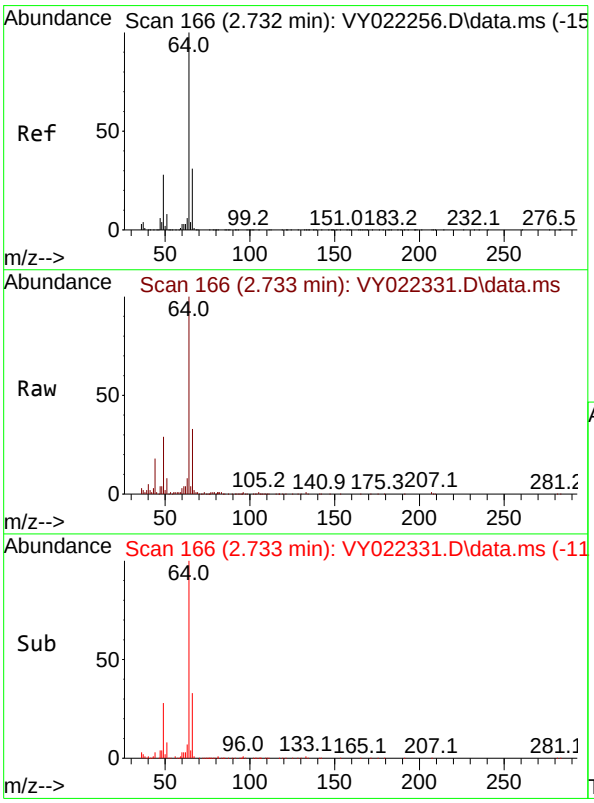
Supervised By :Semsettin Yesilyurt 05/21/2025

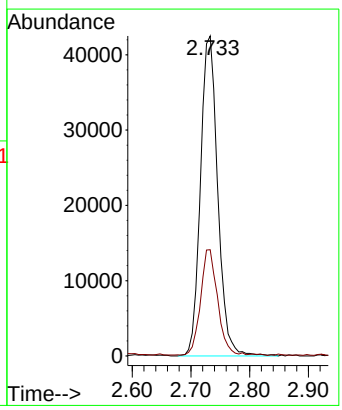


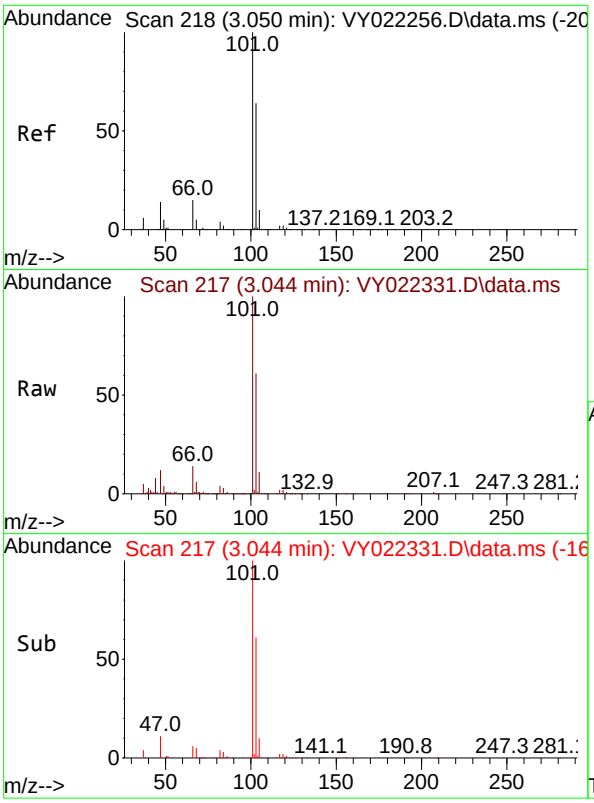


#6
Chloroethane
Concen: 35.075 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 64 Resp: 86905

Ion	Ratio	Lower	Upper
64	100		
66	32.8	24.8	37.2

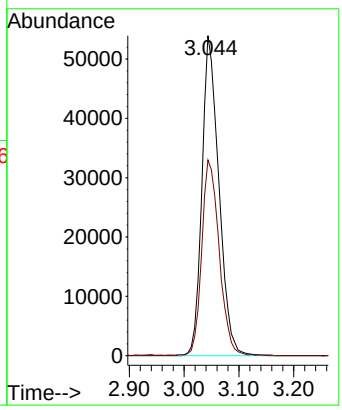




#7
Trichlorofluoromethane
Concen: 28.614 ug/l
RT: 3.044 min Scan# 2
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:101 Resp: 11538

Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

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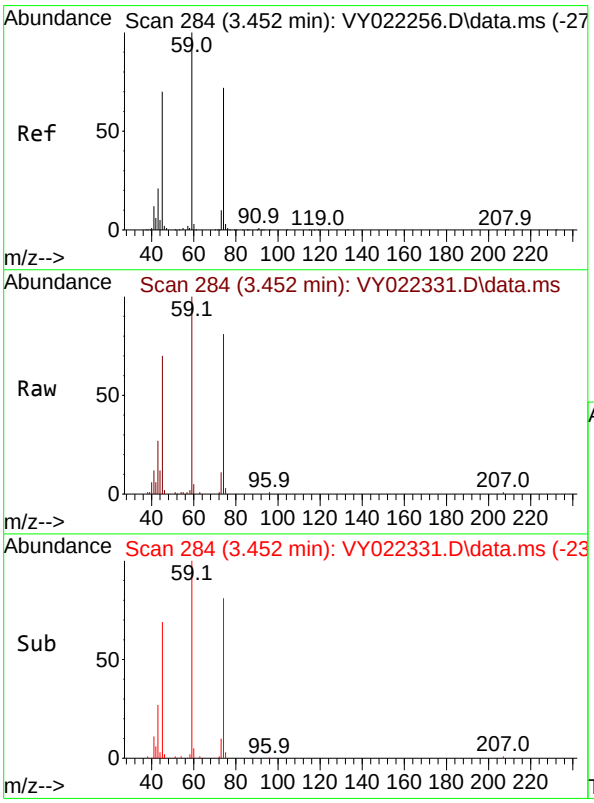
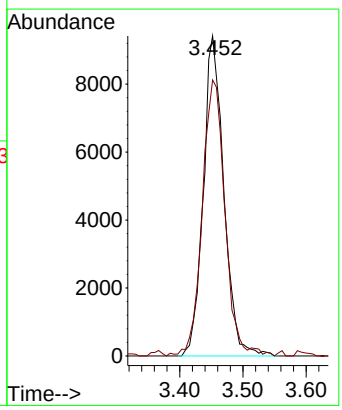
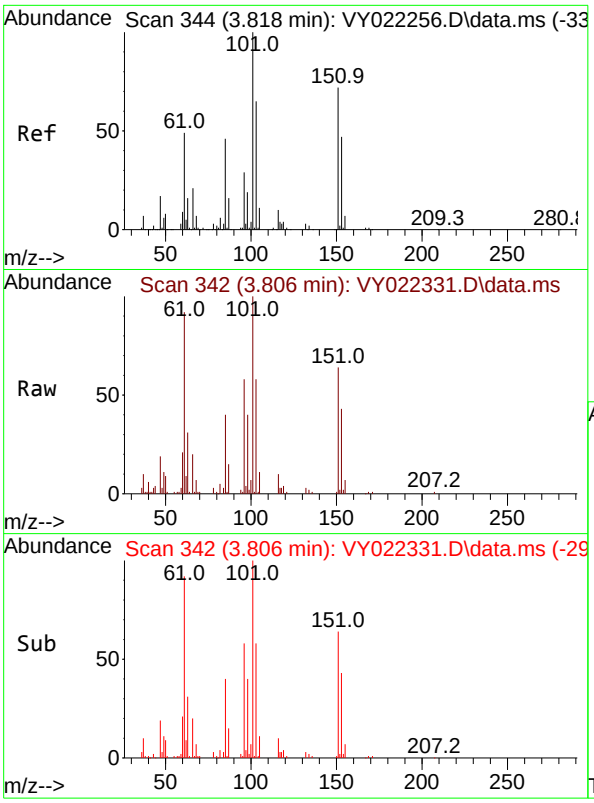


#8
Diethyl Ether
Concen: 21.972 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 74 Resp: 21262

Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.382 ug/l
RT: 3.806 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Tgt Ion:101 Resp: 3918

Ion	Ratio	Lower	Upper
101	100		
85	48.5	38.6	58.0
151	71.5	59.7	89.5

Manual Integrations
APPROVED

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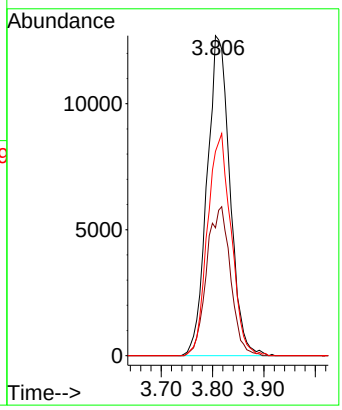
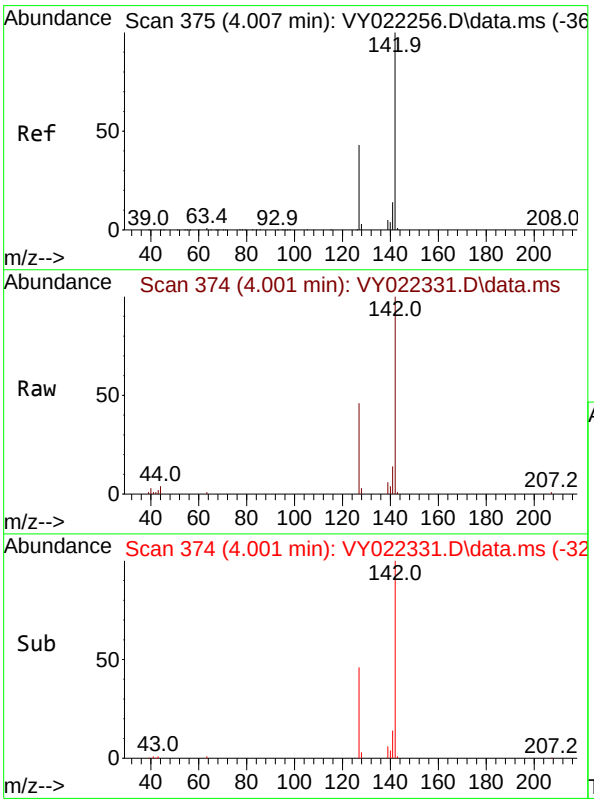
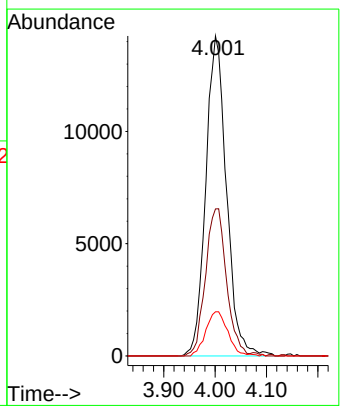


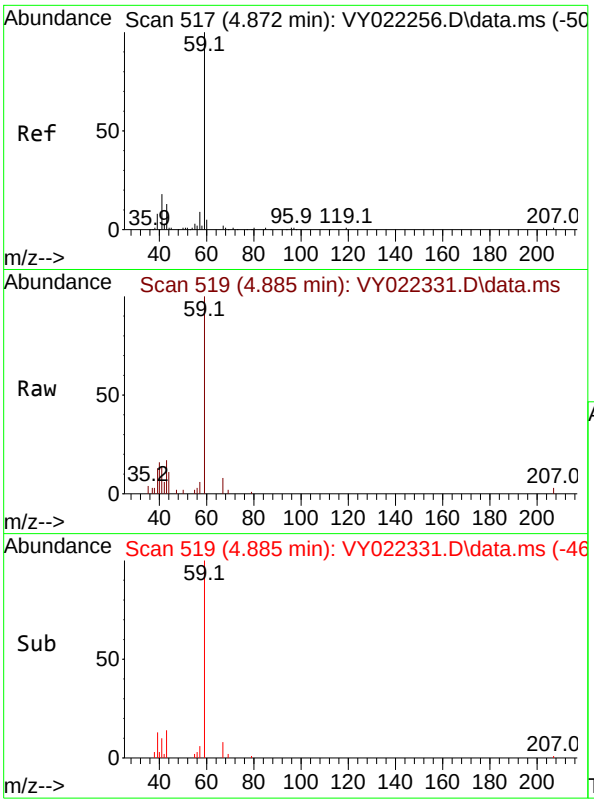


#10
Methyl Iodide
Concen: 19.647 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:142 Resp: 39806

Ion	Ratio	Lower	Upper
142	100		
127	46.8	35.7	53.5
141	14.8	11.1	16.7





#11
Tert butyl alcohol
Concen: 111.229 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 59 Resp: 1507

Ion	Ratio	Lower	Upper
59	100		
57	5.9	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

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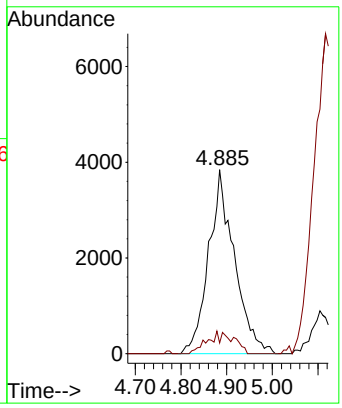
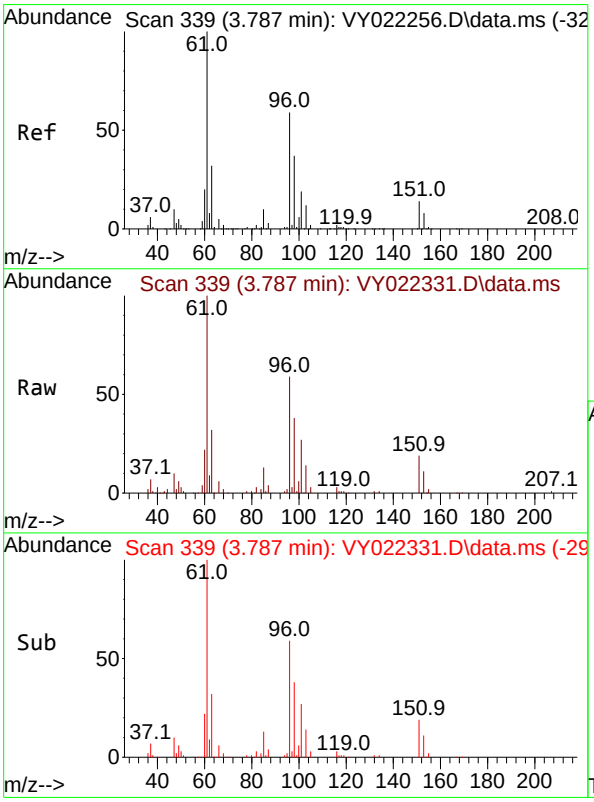
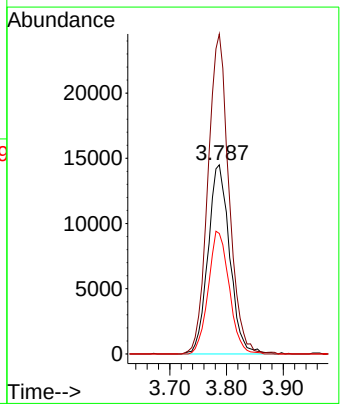


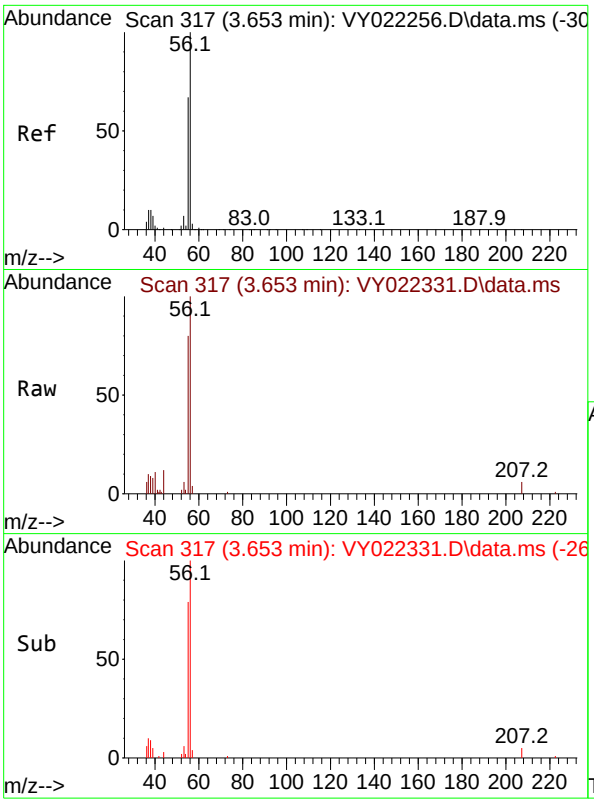


#12
1,1-Dichloroethene
Concen: 22.110 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 96 Resp: 38409

Ion	Ratio	Lower	Upper
96	100		
61	169.2	134.9	202.3
98	63.7	49.9	74.9

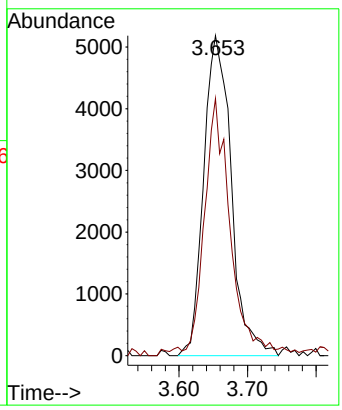




#13
Acrolein
Concen: 73.203 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 56 Resp: 1450

Ion	Ratio	Lower	Upper
56	100		
55	76.2	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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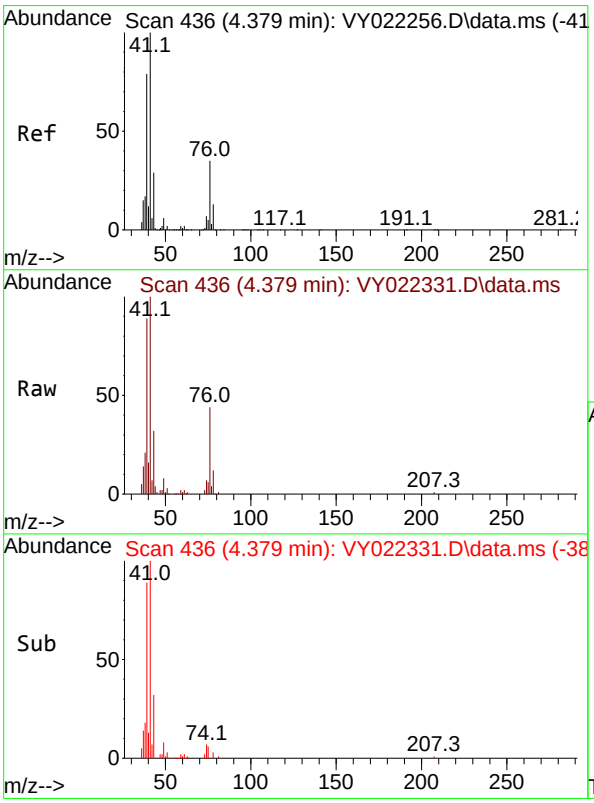
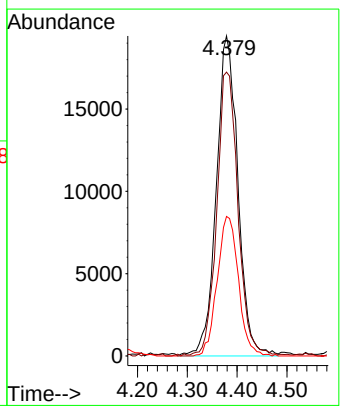
Supervised By :Semsettin Yesilyurt 05/21/2025

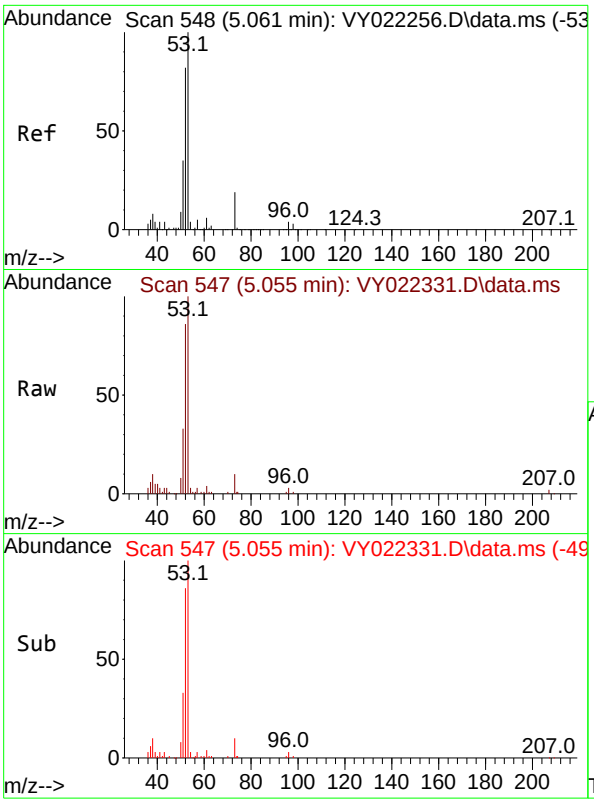


#14
Allyl chloride
Concen: 19.259 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 41 Resp: 58664

Ion	Ratio	Lower	Upper
41	100		
39	87.2	63.4	95.0
76	42.8	29.5	44.3

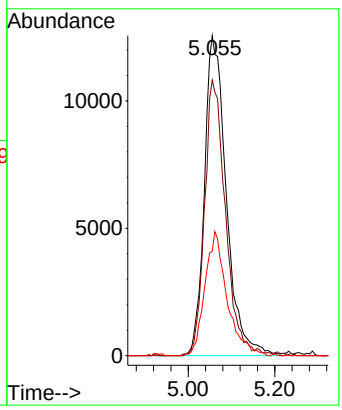




#15
Acrylonitrile
Concen: 110.449 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 53 Resp: 4404

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	39.2	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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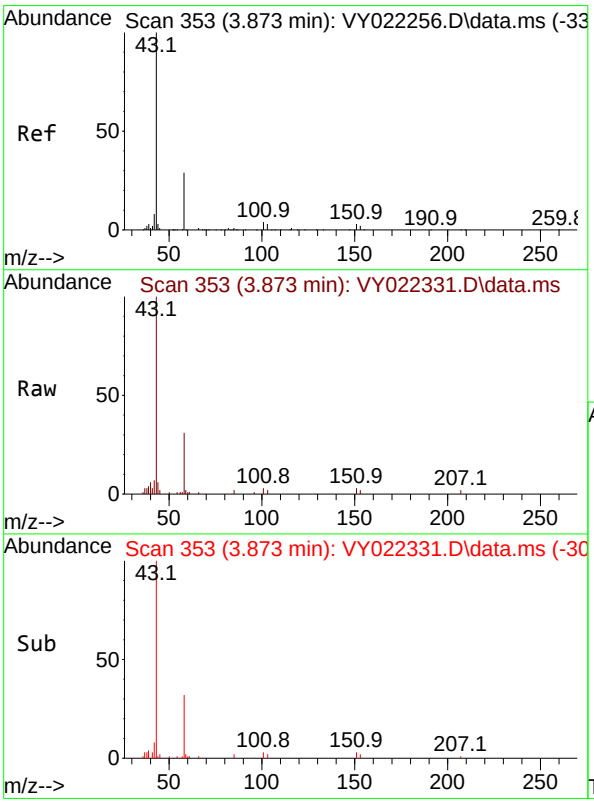
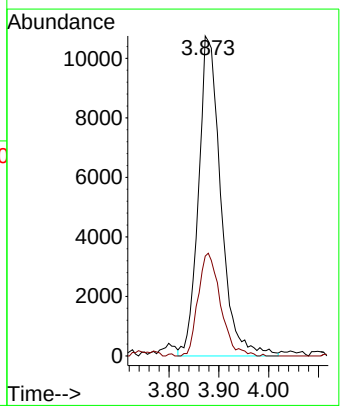
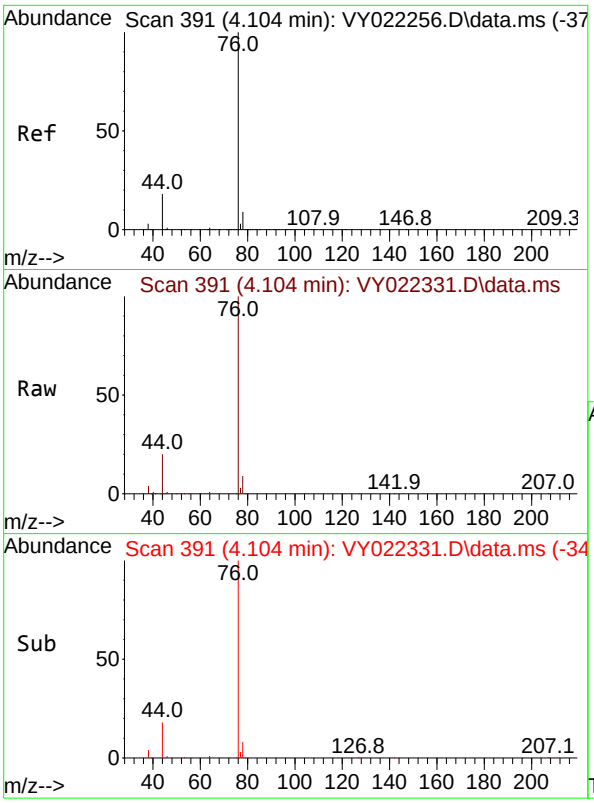


#16
Acetone
Concen: 100.481 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 33441

Ion	Ratio	Lower	Upper
43	100		
58	31.5	23.6	35.4

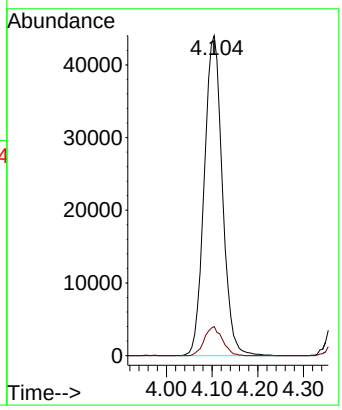




#17
Carbon Disulfide
Concen: 21.376 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 76 Resp: 12108

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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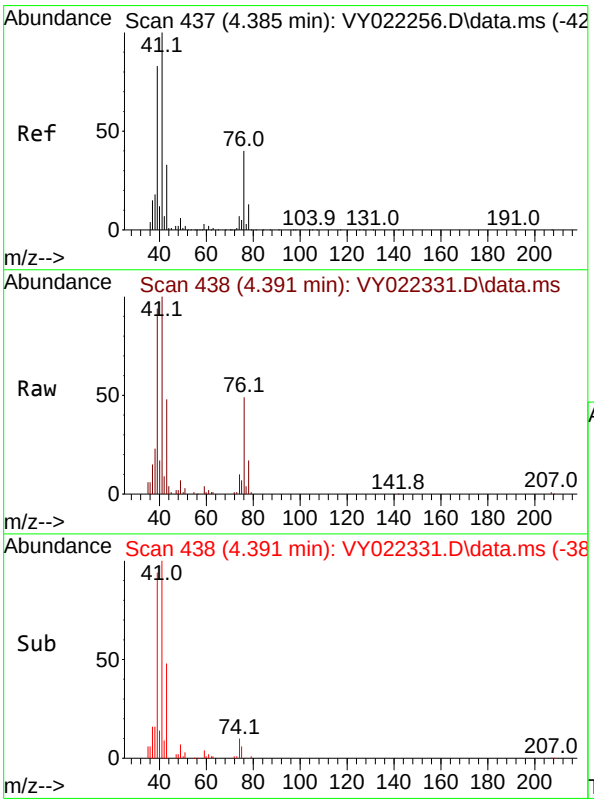
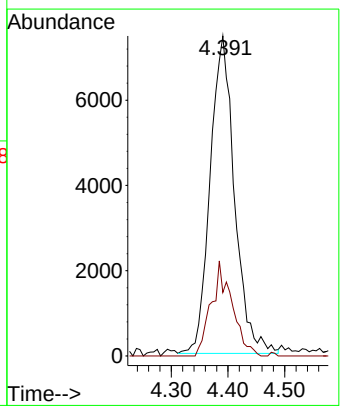
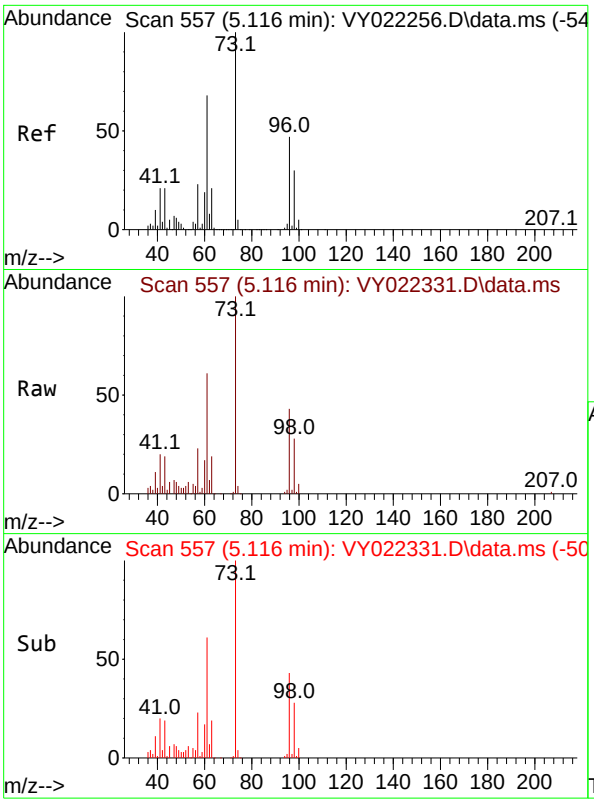


#18
Methyl Acetate
Concen: 21.176 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 22221

Ion	Ratio	Lower	Upper
43	100		
74	25.7	18.2	27.4

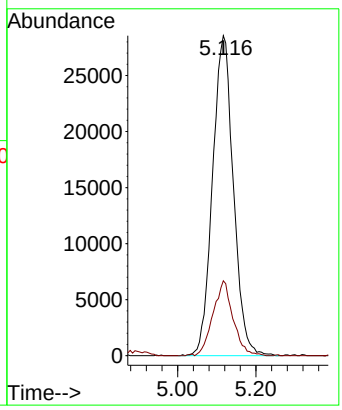




#19
Methyl tert-butyl Ether
Concen: 22.042 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 73 Resp: 10557

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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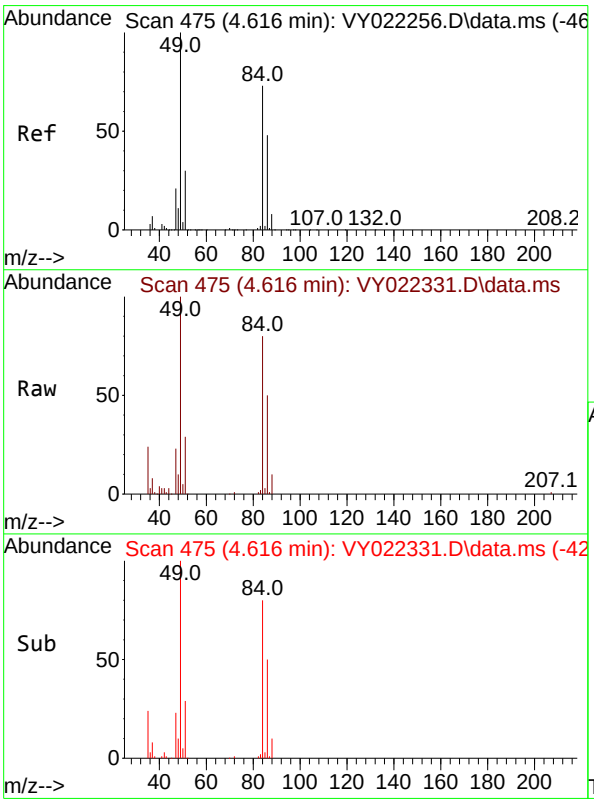
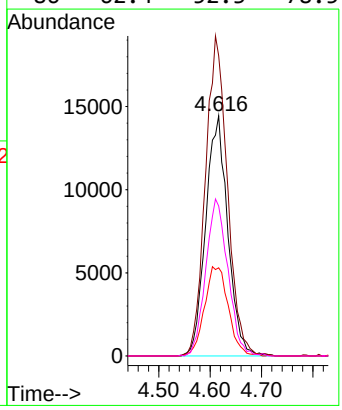
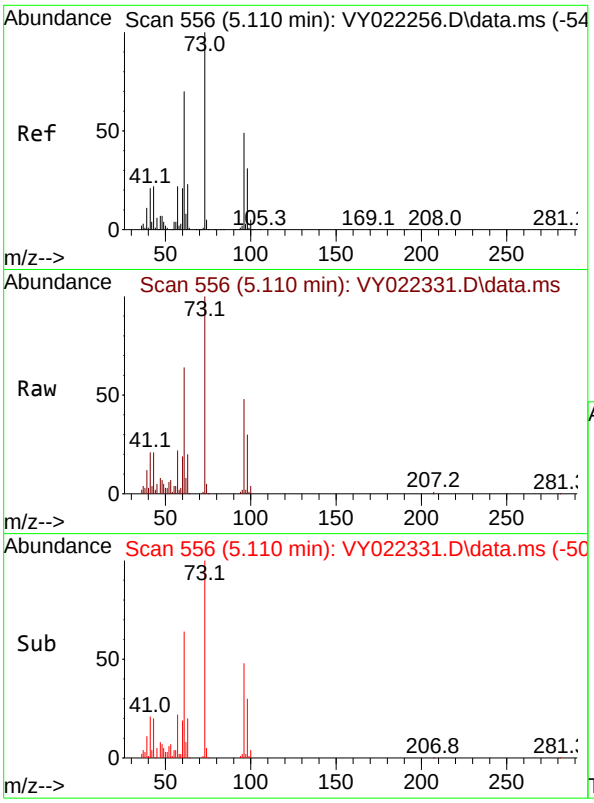


#20
Methylene Chloride
Concen: 20.069 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 84 Resp: 43159

Ion	Ratio	Lower	Upper
84	100		
49	125.0	109.6	164.4
51	36.7	32.4	48.6
86	62.4	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 21.557 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 96 Resp: 4133

Ion	Ratio	Lower	Upper
96	100		
61	132.6	113.4	170.0
98	61.3	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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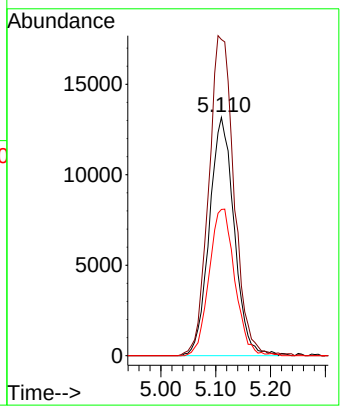
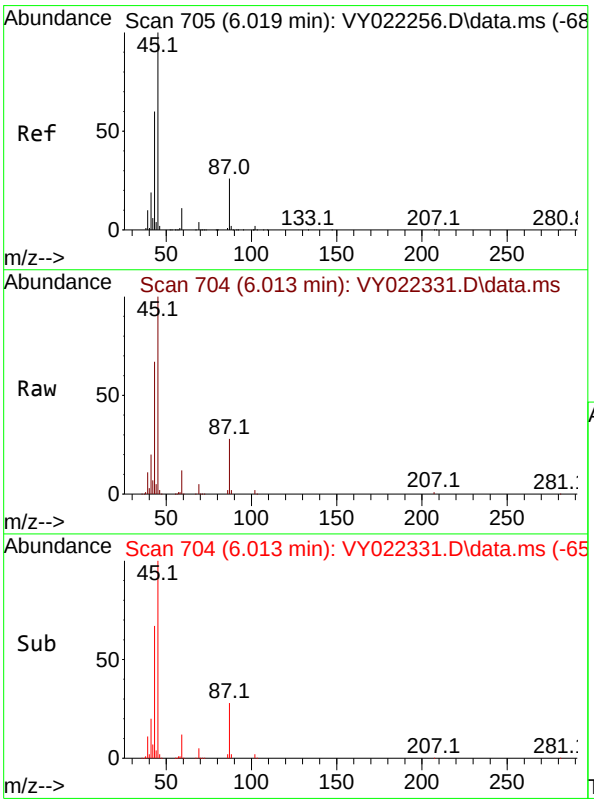
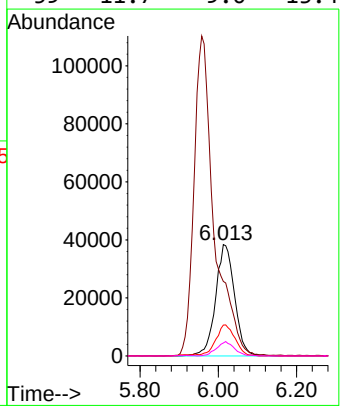


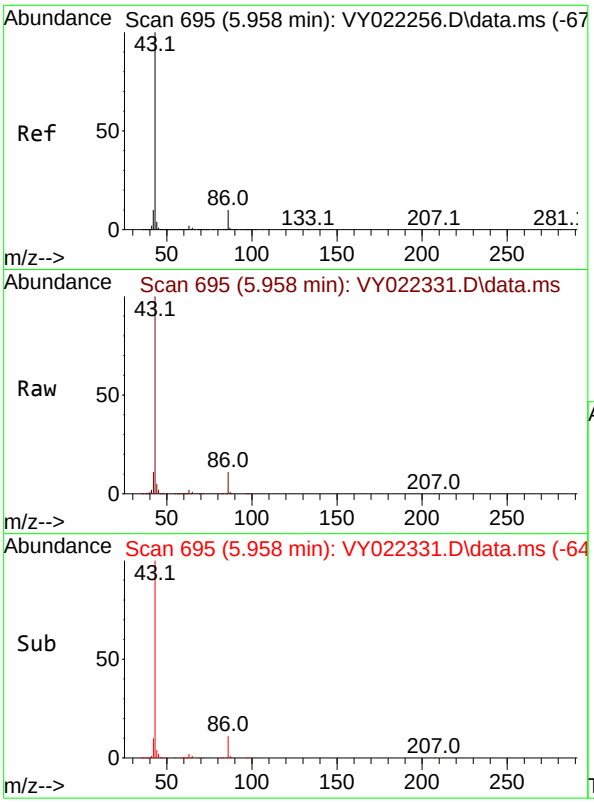


#22
Diisopropyl ether
Concen: 20.133 ug/l
RT: 6.013 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 45 Resp: 129506

Ion	Ratio	Lower	Upper
45	100		
43	66.5	48.2	72.2
87	27.7	21.4	32.0
59	11.7	9.0	13.4





#23
Vinyl Acetate
Concen: 101.282 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 39358

Ion	Ratio	Lower	Upper
43	100		
86	11.0	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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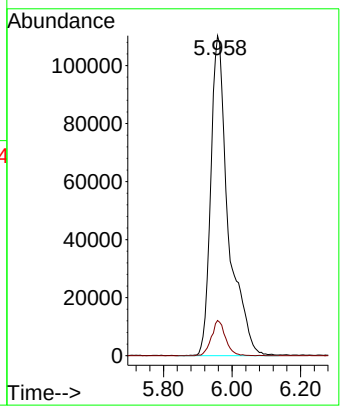
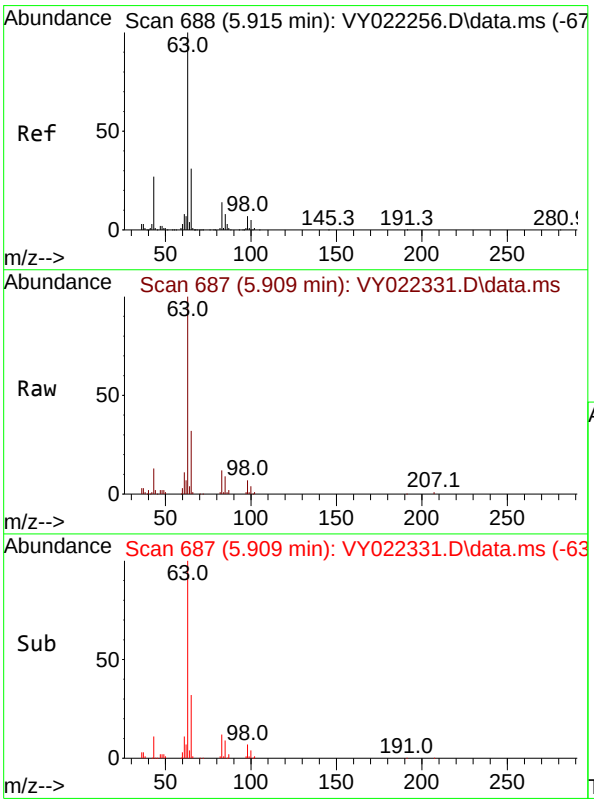
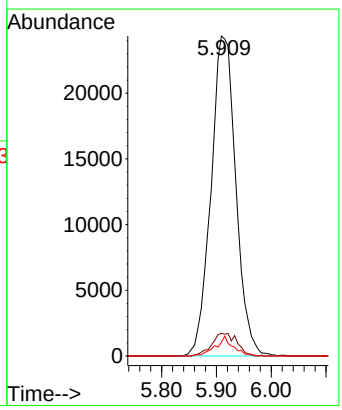


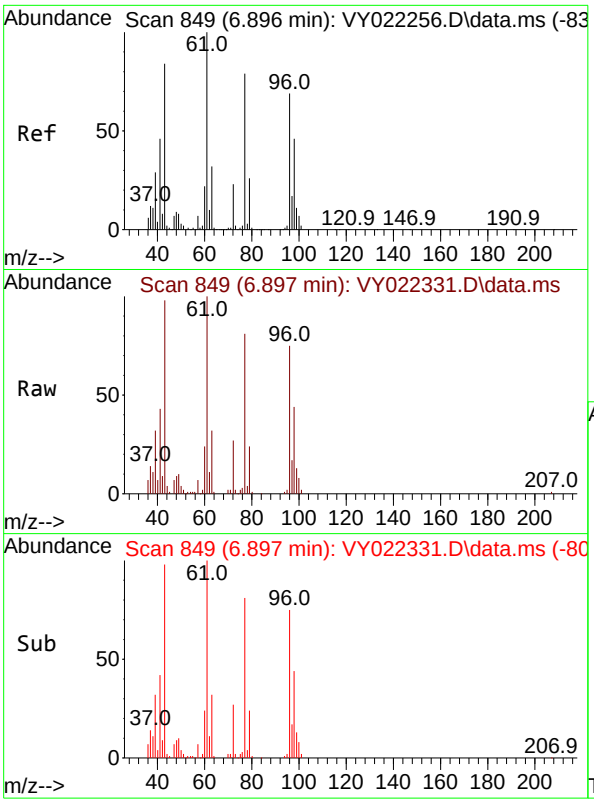


#24
1,1-Dichloroethane
Concen: 21.359 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 63 Resp: 76757

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 102.685 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 5716

Ion	Ratio	Lower	Upper
43	100		
72	27.0	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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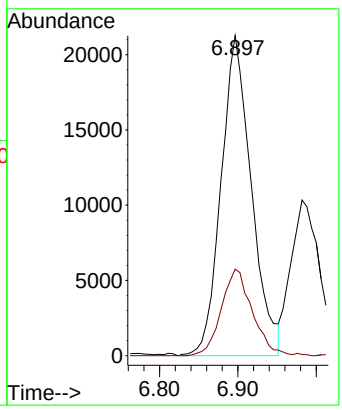
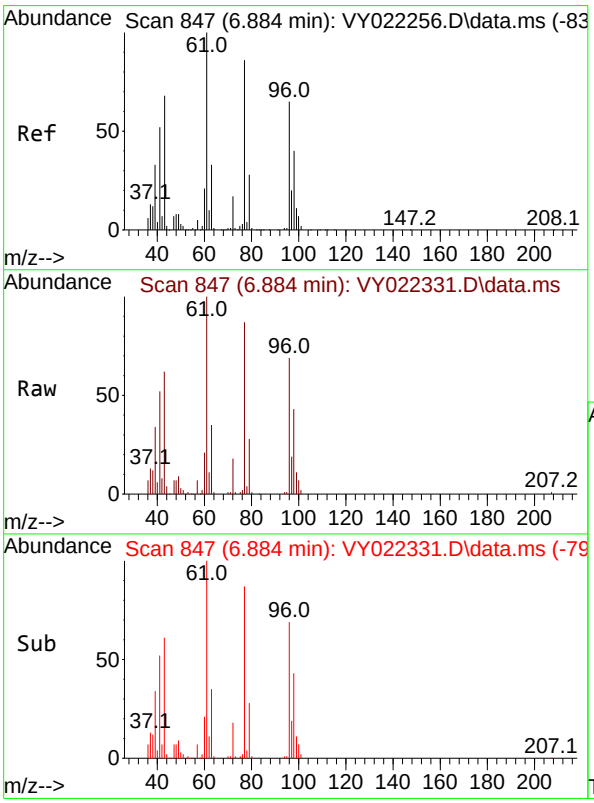
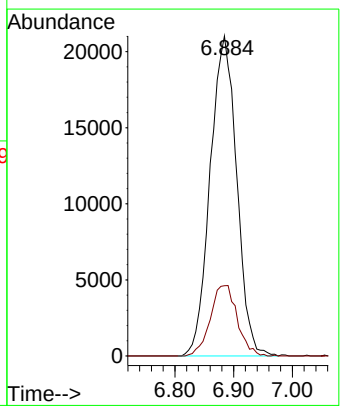


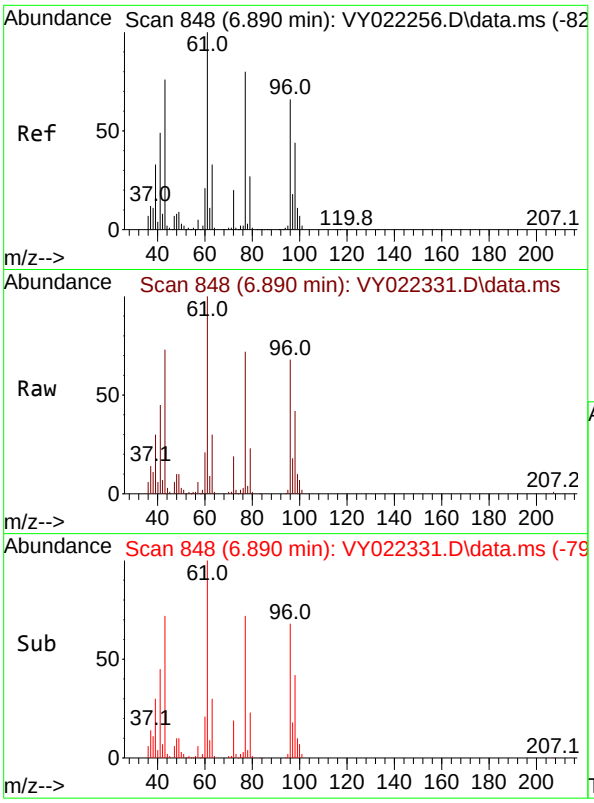


#26
2,2-Dichloropropane
Concen: 20.630 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 77 Resp: 65941

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 21.681 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 96 Resp: 4797

Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	302.6
98	62.6	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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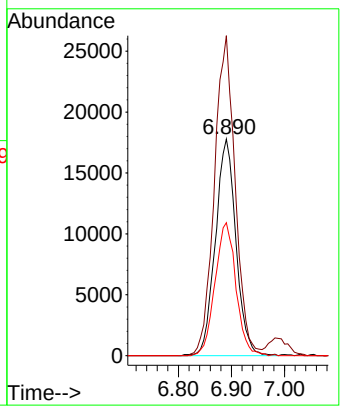
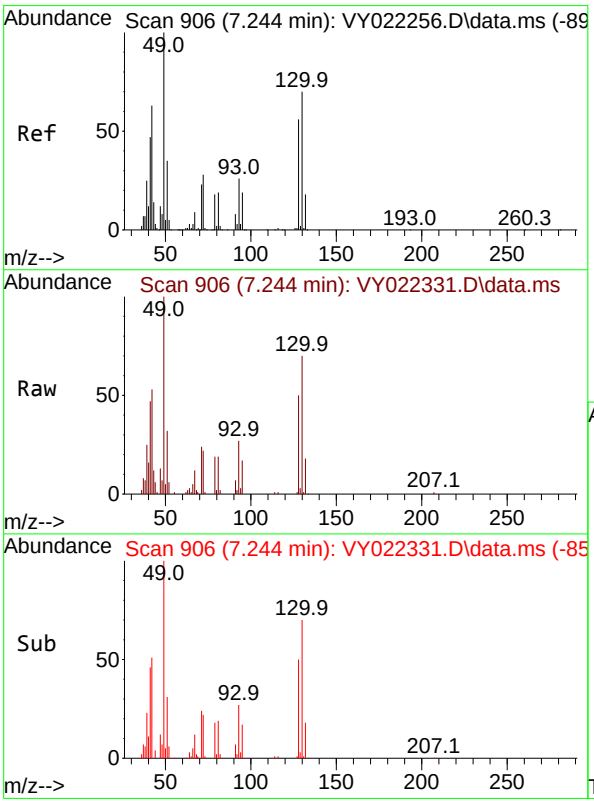
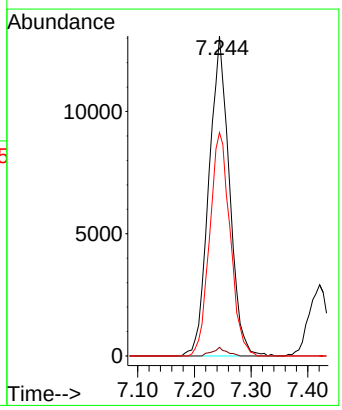


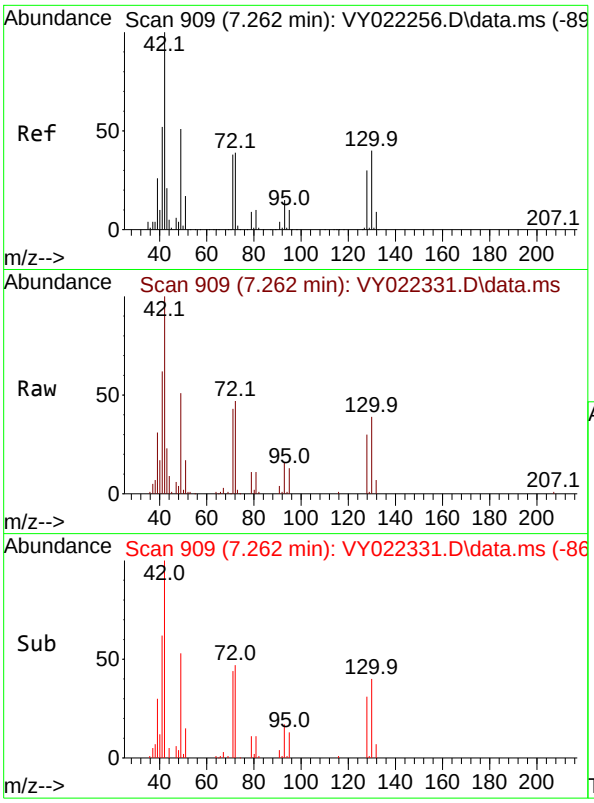


#28
Bromochloromethane
Concen: 21.346 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 49 Resp: 32721

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	69.9	54.7	82.1





#29
Tetrahydrofuran
Concen: 107.516 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 42 Resp: 3850

Ion	Ratio	Lower	Upper
42	100		
72	45.7	33.8	50.6
71	42.7	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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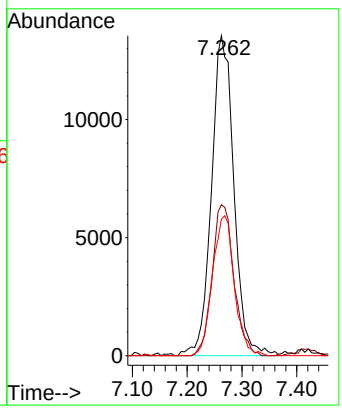
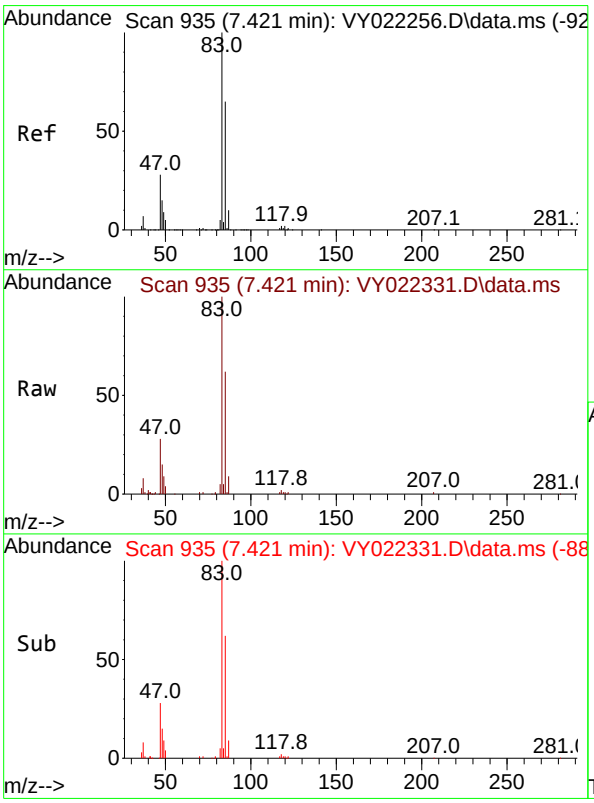
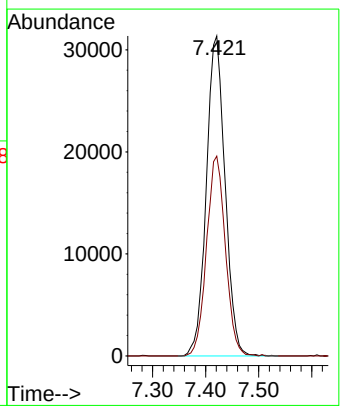


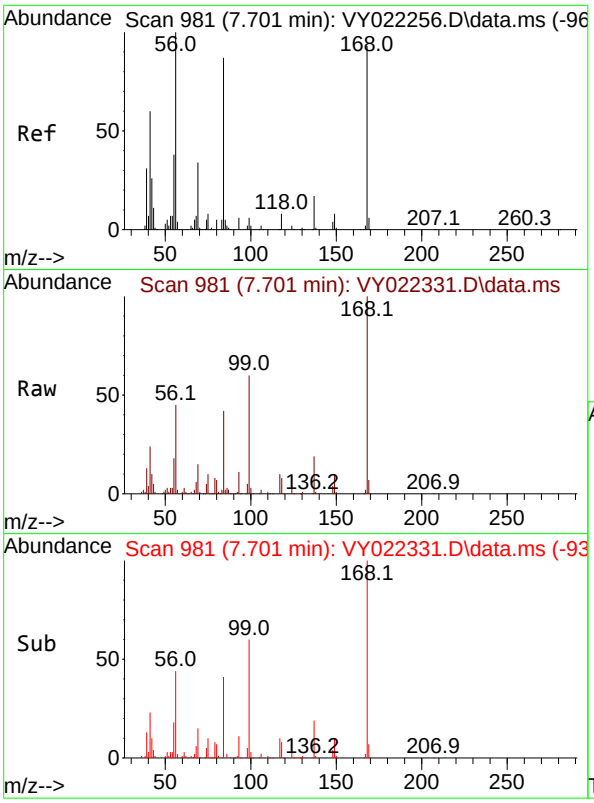


#30
Chloroform
Concen: 22.315 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 83 Resp: 76921

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.8





#31
Cyclohexane
Concen: 20.618 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 56 Resp: 7403

Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.4	41.2
84	93.9	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
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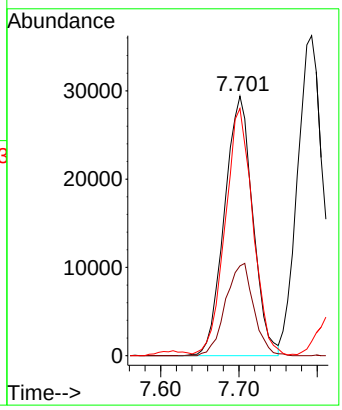
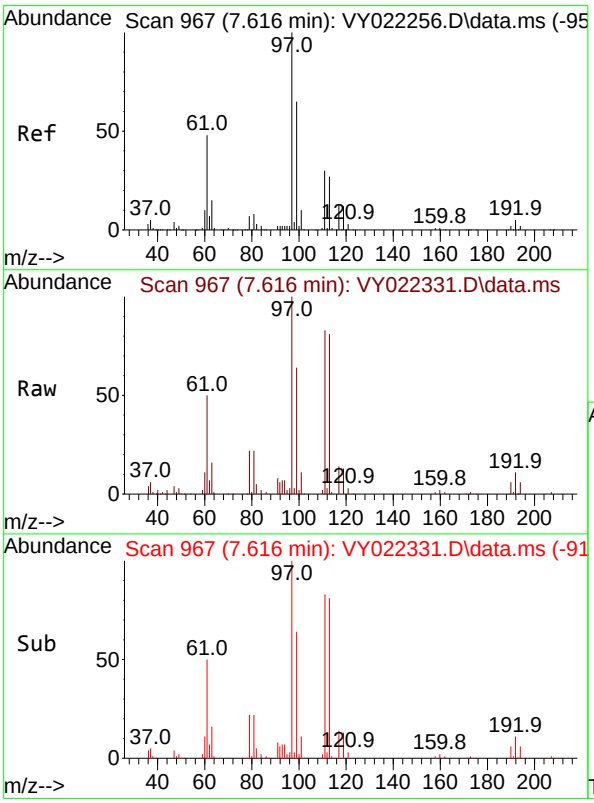
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

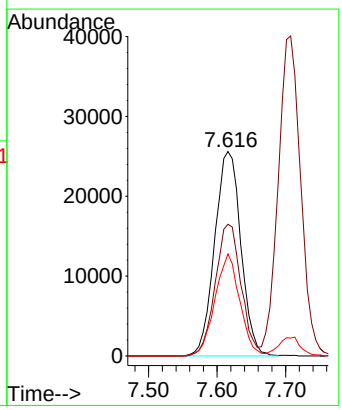


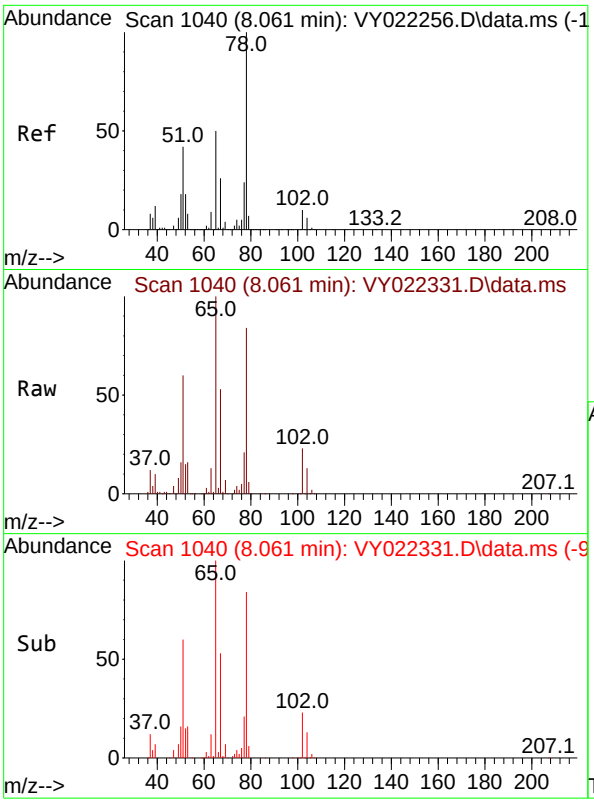


#32
1,1,1-Trichloroethane
Concen: 21.499 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 97 Resp: 67990

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.0
61	47.1	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 52.798 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 65 Resp: 9371

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	104.6

Instrument :
MSVOA_Y
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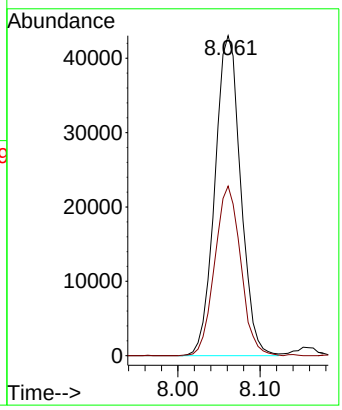
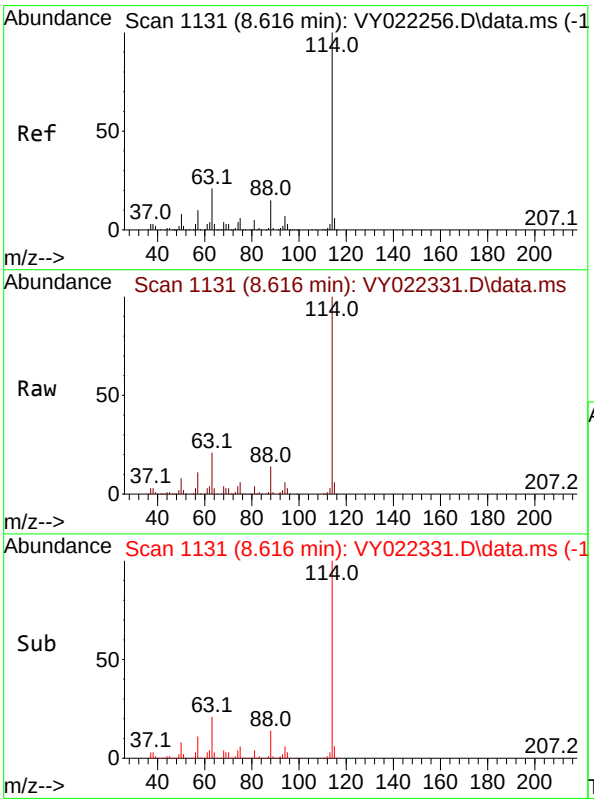
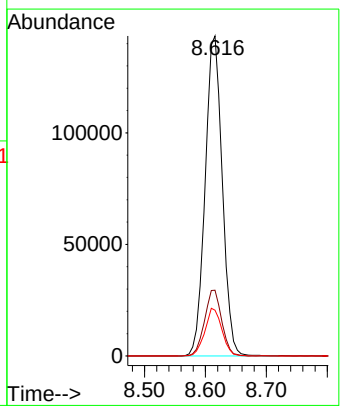


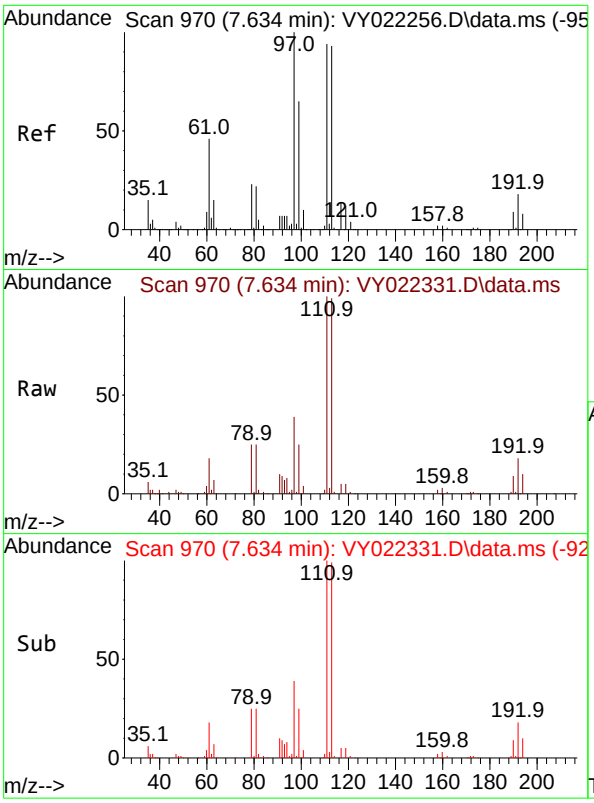


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:114 Resp: 280923

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	41.0
88	14.3	0.0	29.4

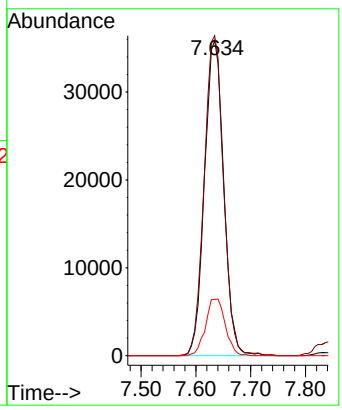




#35
Dibromofluoromethane
Concen: 52.042 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:113 Resp: 8725

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	18.5	15.2	22.8



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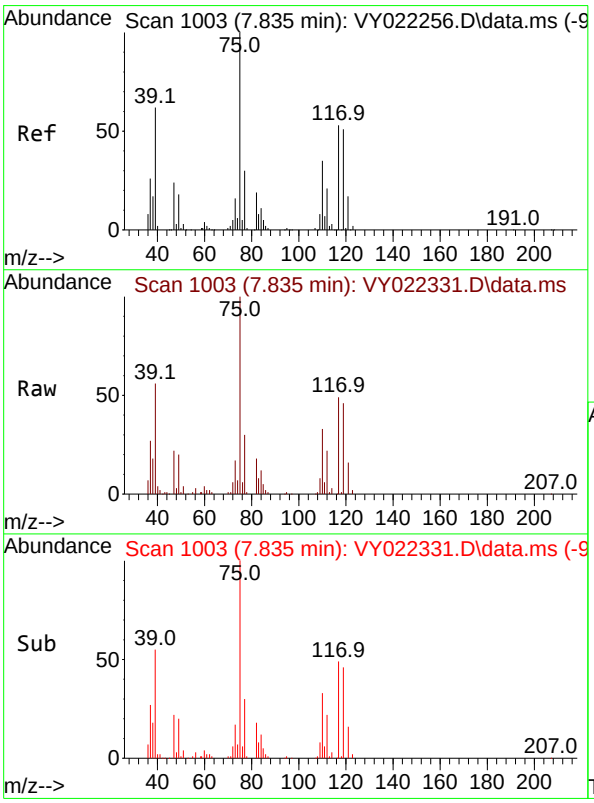
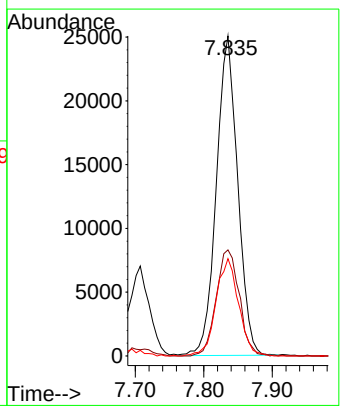
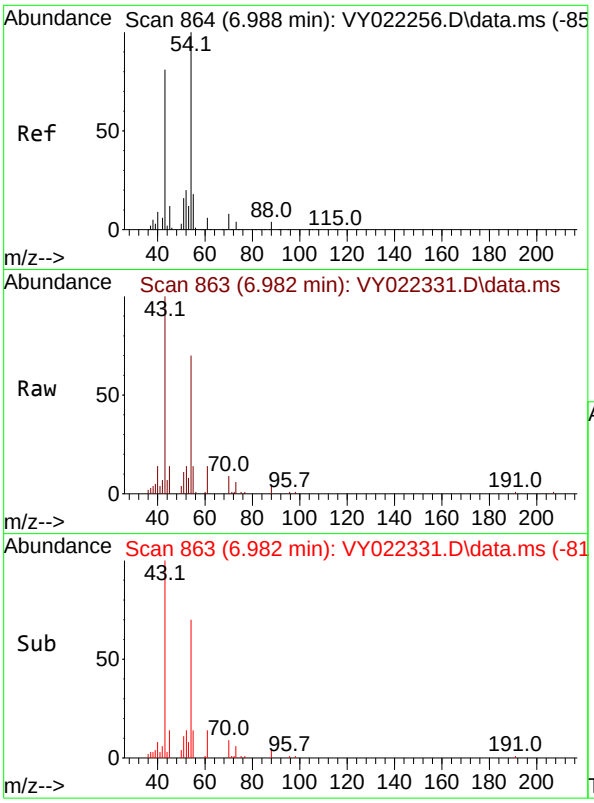


#36
1,1-Dichloropropene
Concen: 19.586 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 75 Resp: 54092

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.6	49.8
77	32.3	24.6	37.0





#37
Ethyl Acetate
Concen: 20.496 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 2723

Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.2
70	10.1	7.6	11.4

Instrument :
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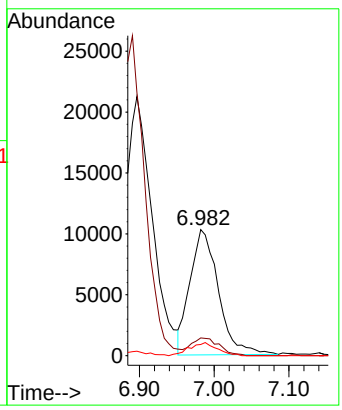
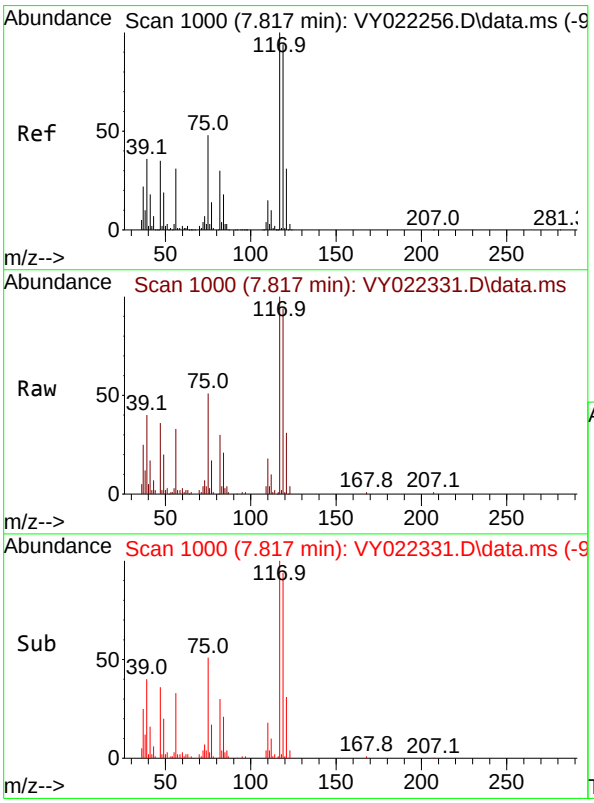
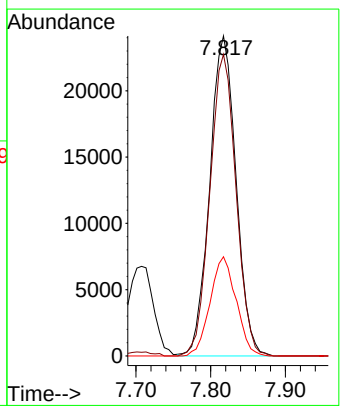


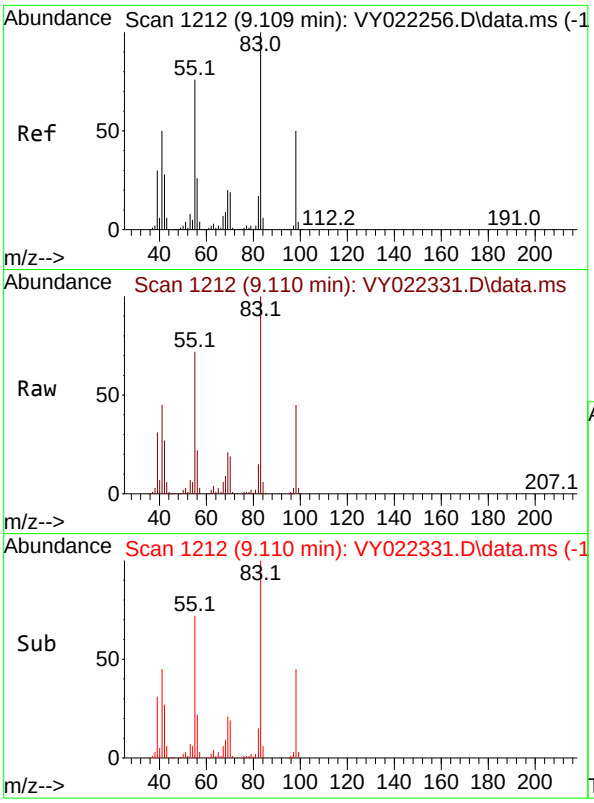


#38
Carbon Tetrachloride
Concen: 20.669 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:117 Resp: 59086

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.3	112.9
121	31.0	24.7	37.1





#39
Methylcyclohexane
Concen: 20.432 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 83 Resp: 7581

Ion	Ratio	Lower	Upper
83	100		
55	72.1	60.6	90.8
98	44.9	40.0	60.0

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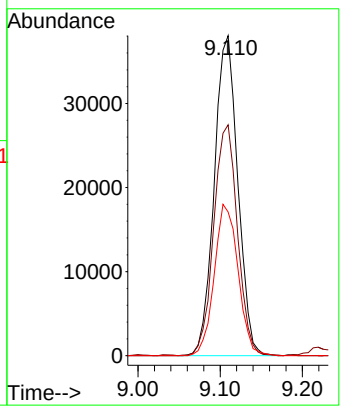
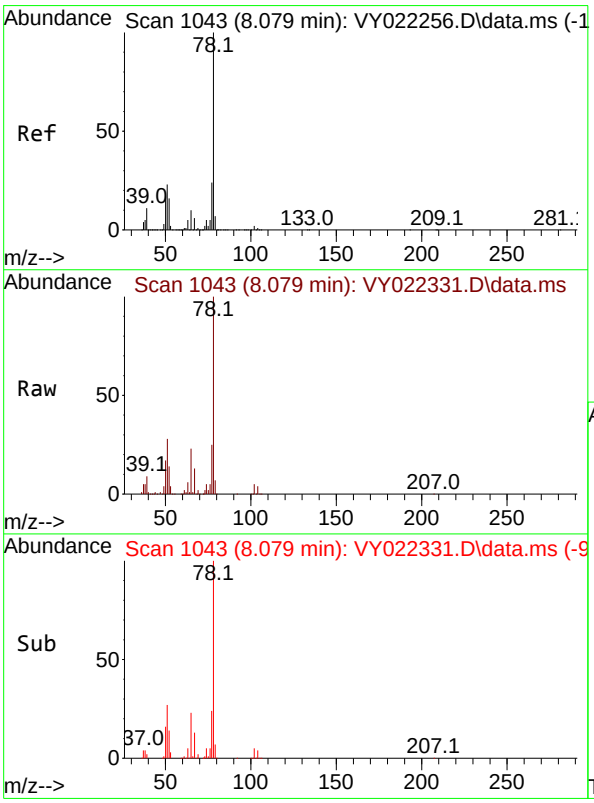
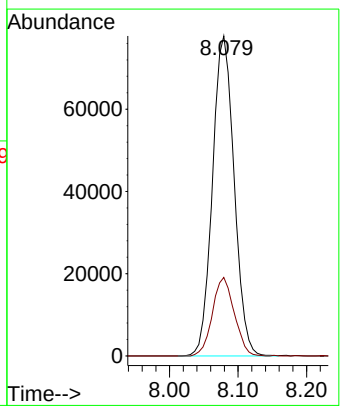


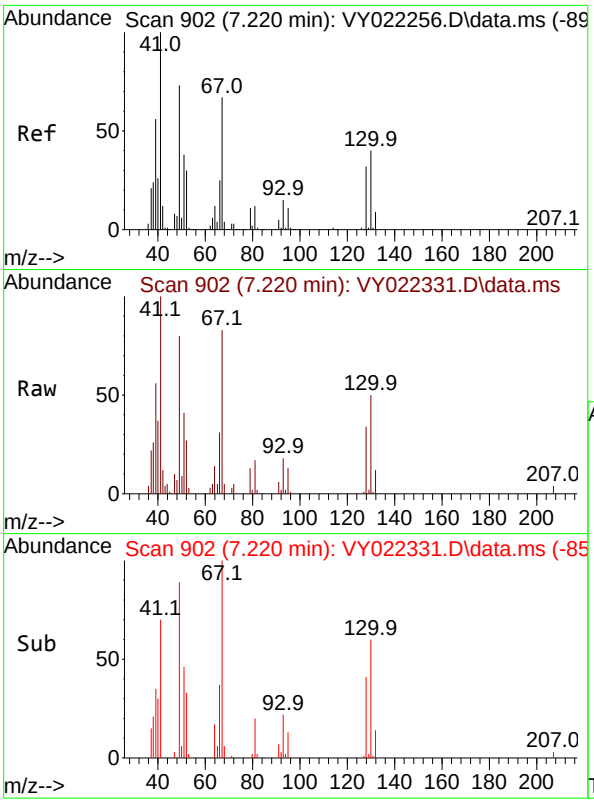


#40
Benzene
Concen: 20.845 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 78 Resp: 170661

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3

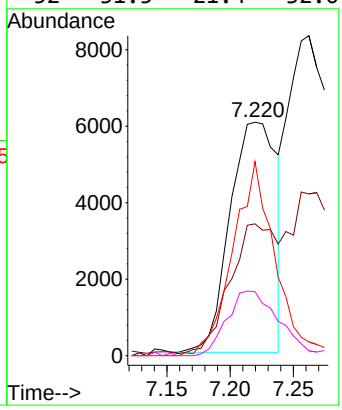




#41
Methacrylonitrile
Concen: 17.453 ug/l
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 41 Resp: 1538

Ion	Ratio	Lower	Upper
41	100		
39	56.5	39.1	58.7
67	76.9	47.1	70.7
52	31.5	21.4	32.0



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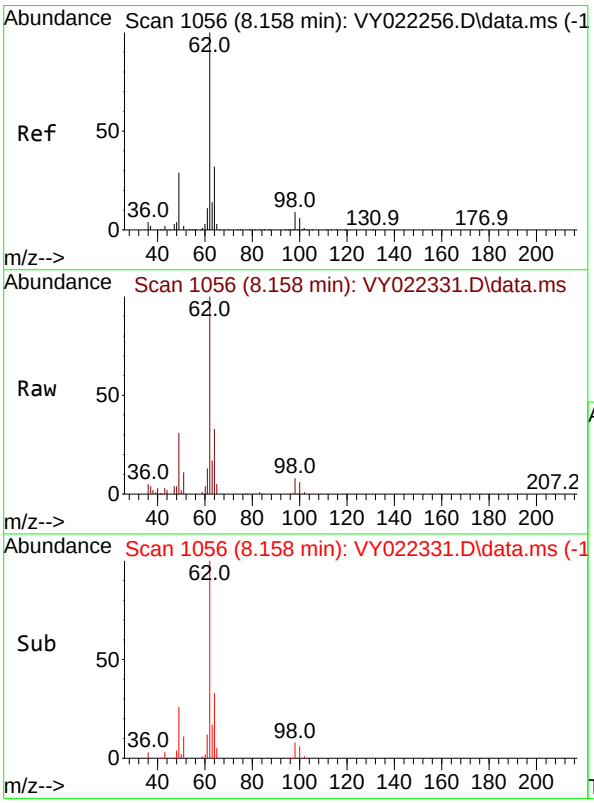
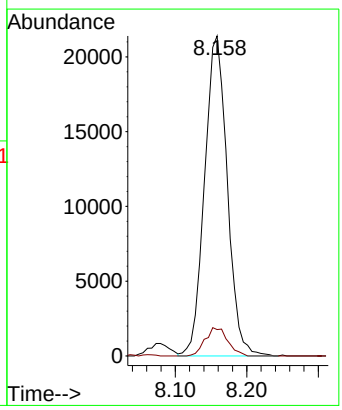
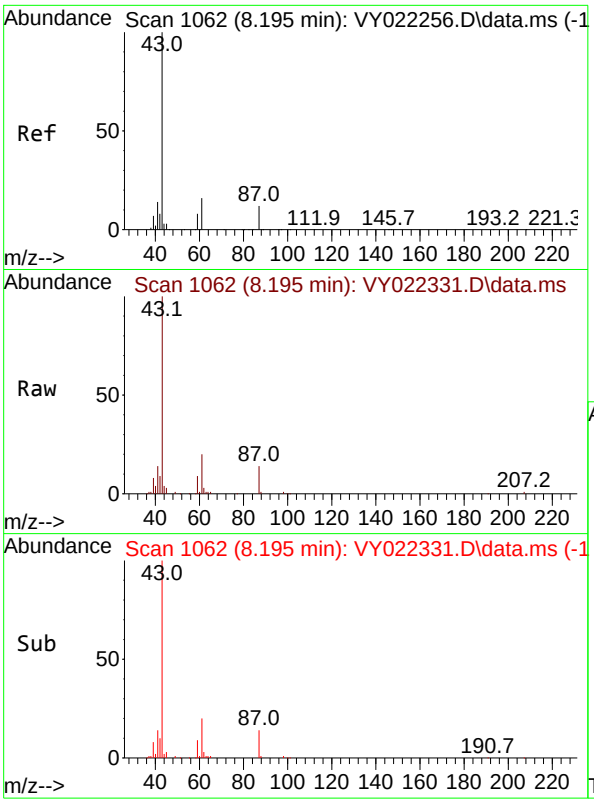


#42
1,2-Dichloroethane
Concen: 21.323 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 62 Resp: 47209

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





#43
Isopropyl Acetate
Concen: 20.290 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 5879

Ion	Ratio	Lower	Upper
43	100		
61	17.5	15.1	22.7
87	12.8	9.7	14.5

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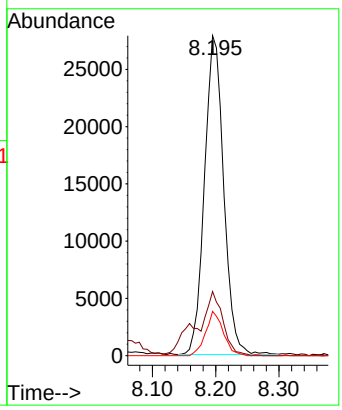
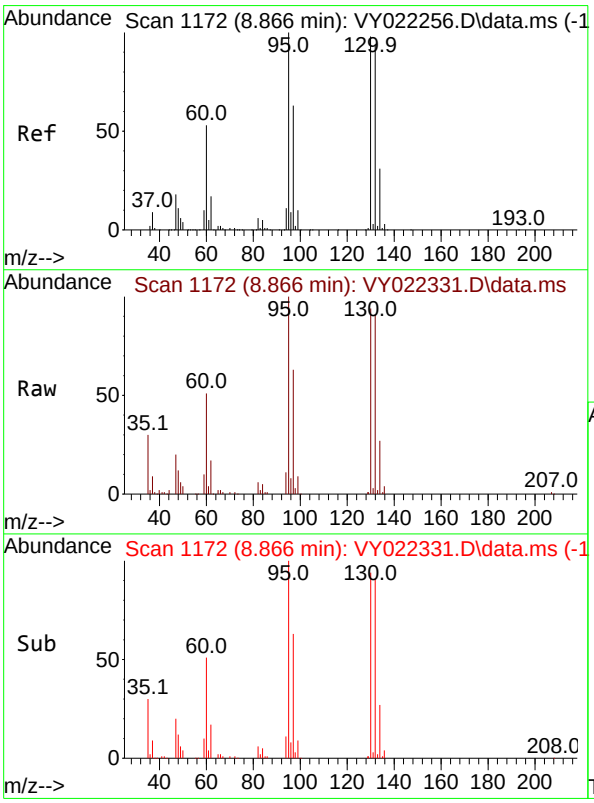
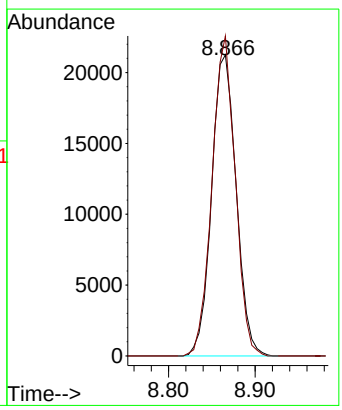


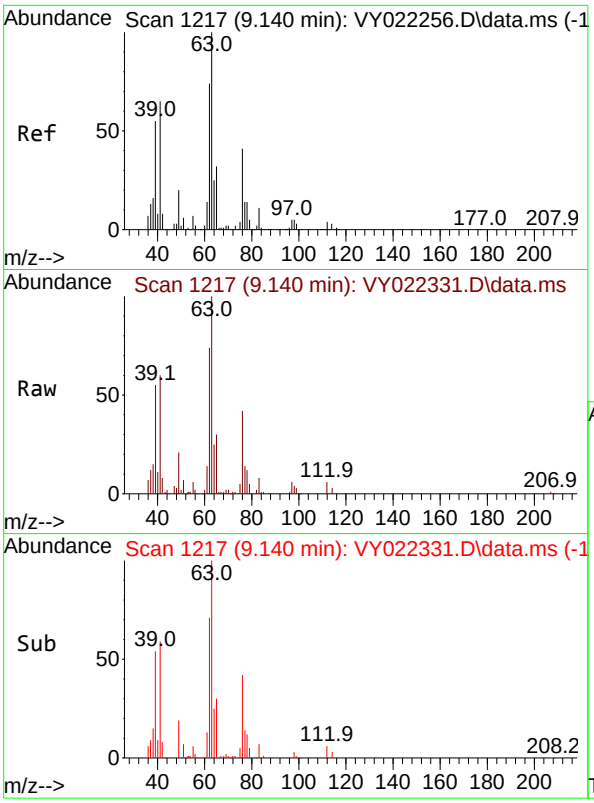


#44
Trichloroethene
Concen: 20.573 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:130 Resp: 41880

Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	204.8





#45
1,2-Dichloropropane
Concen: 20.374 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 63 Resp: 4021

Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.7	38.5

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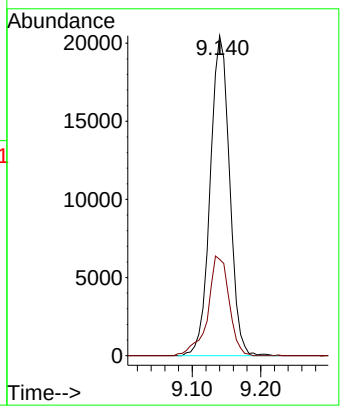
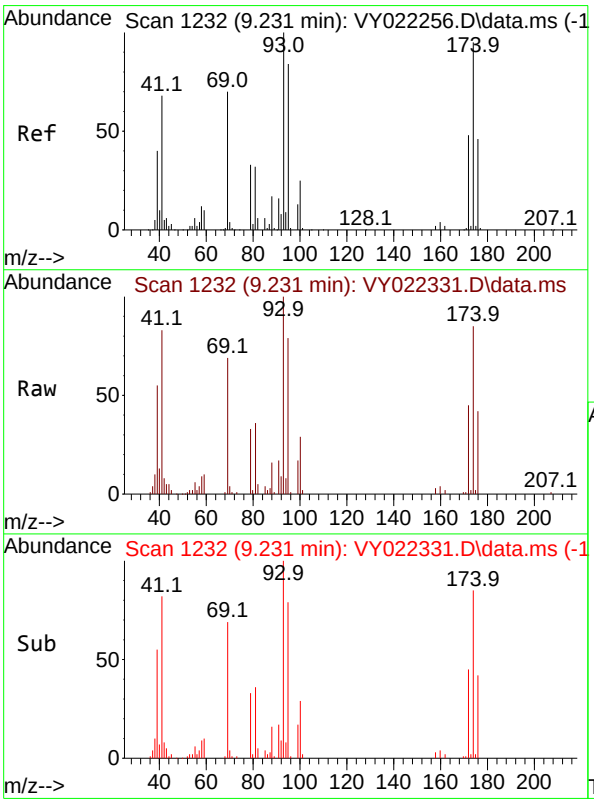
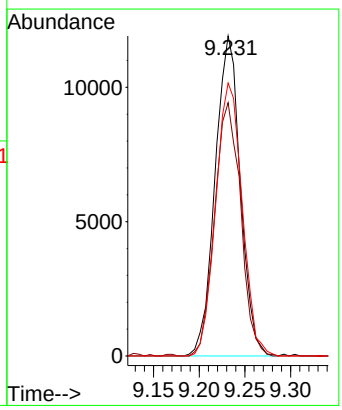


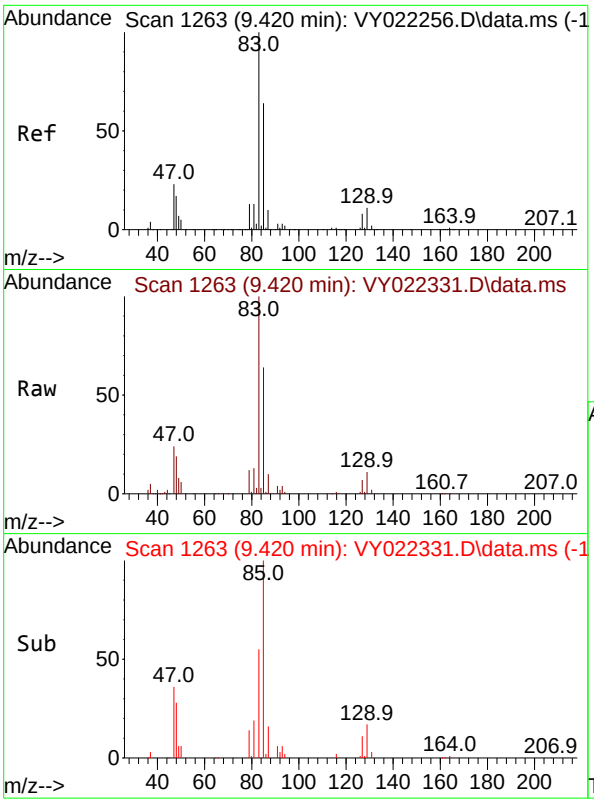


#46
Dibromomethane
Concen: 21.490 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 93 Resp: 22879

Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.2	97.8
174	89.3	74.3	111.5

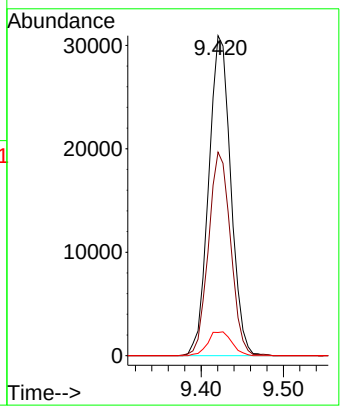




#47
Bromodichloromethane
Concen: 20.869 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 83 Resp: 5763

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7
127	7.2	6.6	10.0



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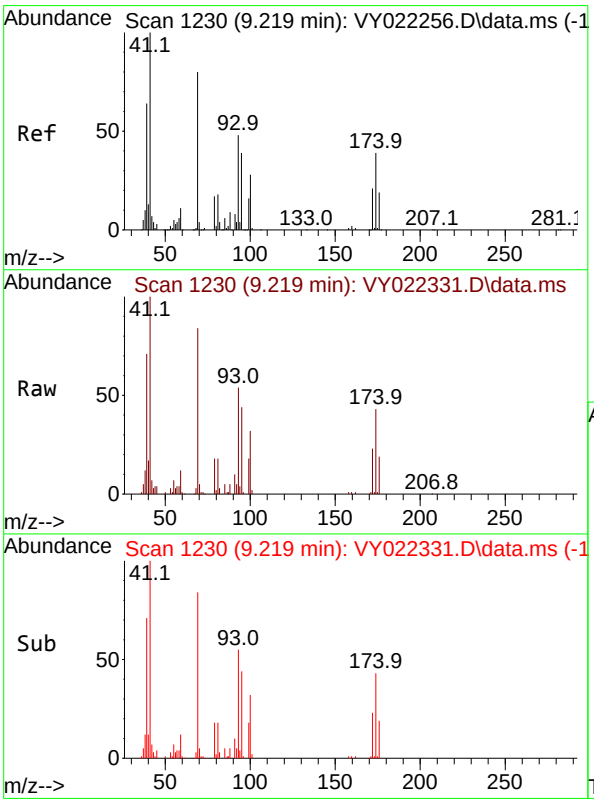
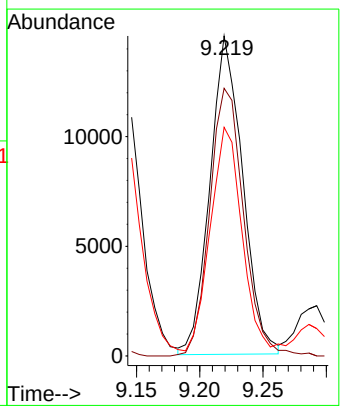
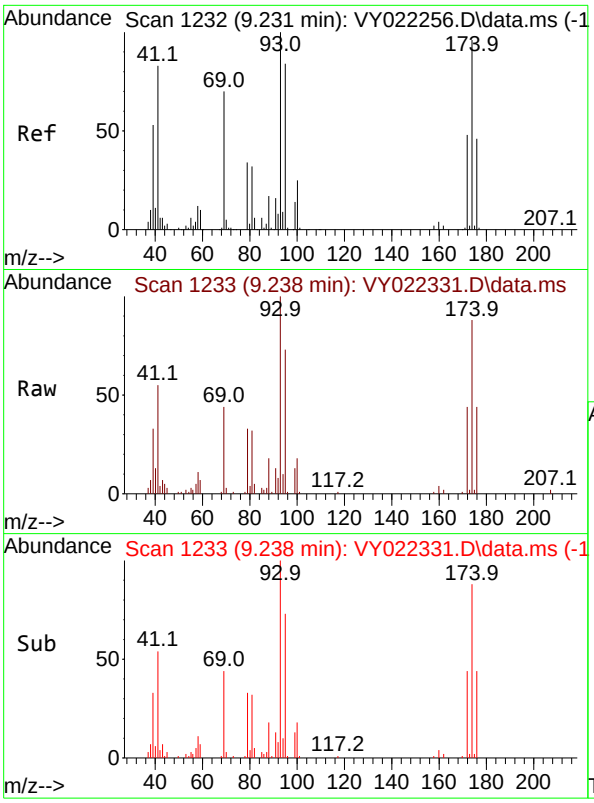


#48
Methyl methacrylate
Concen: 19.286 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 41 Resp: 26138

Ion	Ratio	Lower	Upper
41	100		
69	87.1	63.5	95.3
39	68.2	50.8	76.2

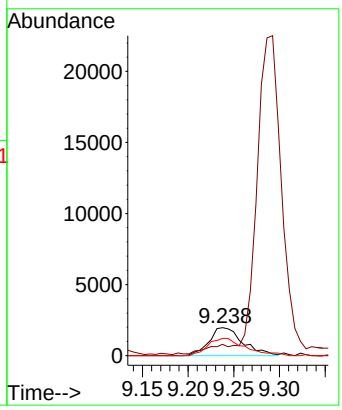




#49
1,4-Dioxane
Concen: 422.215 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 88 Resp: 507

Ion	Ratio	Lower	Upper
88	100		
43	26.4	28.5	42.7
58	68.2	61.4	92.2



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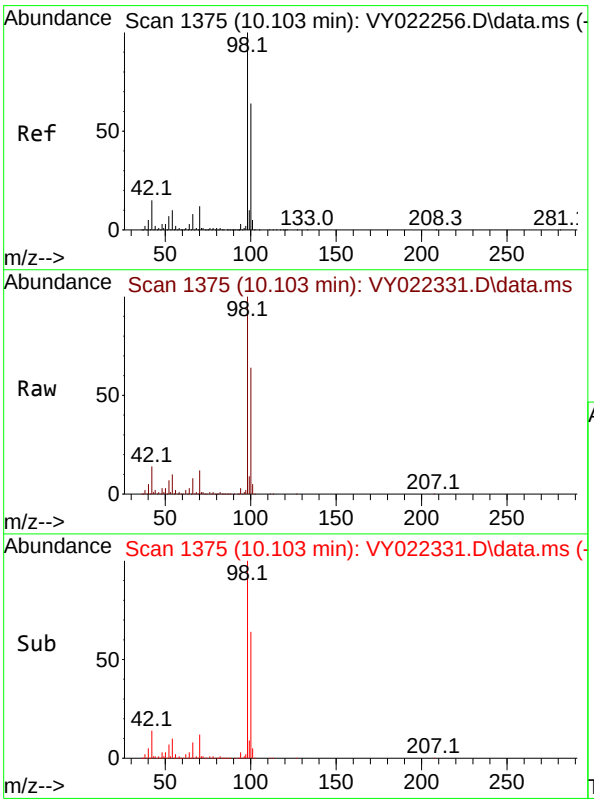
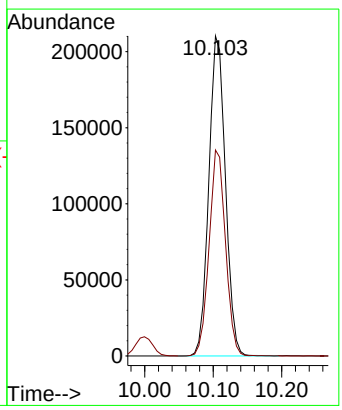
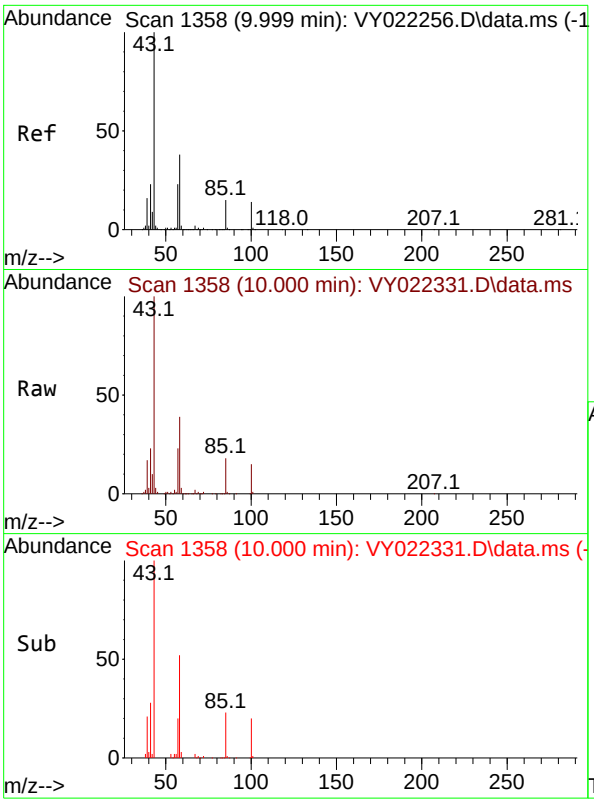


#50
Toluene-d8
Concen: 51.531 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 98 Resp: 353867

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8

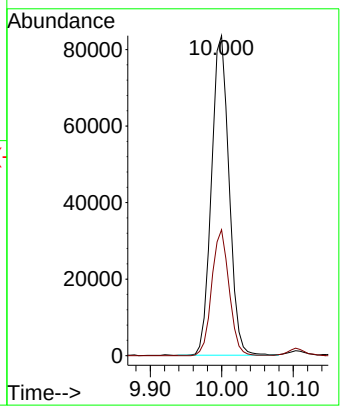




#51
4-Methyl-2-Pentanone
Concen: 100.263 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 14257

Ion	Ratio	Lower	Upper
43	100		
58	38.8	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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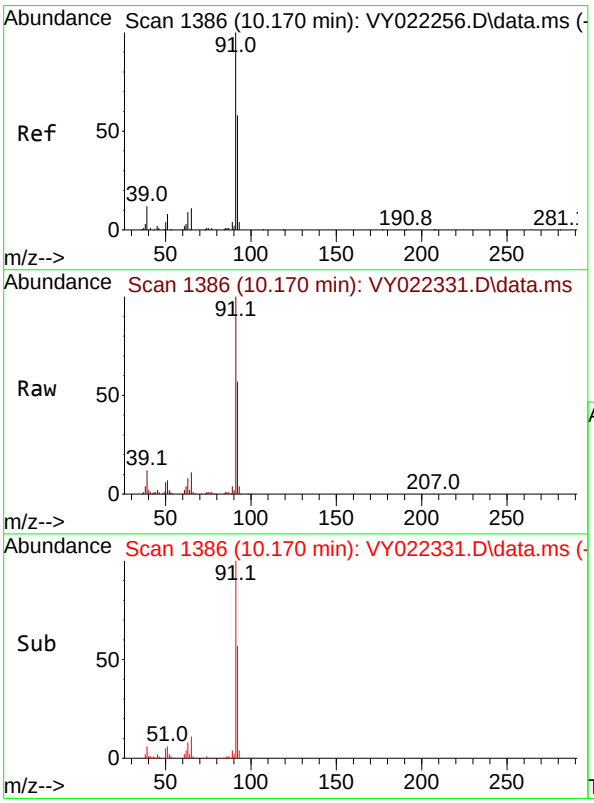
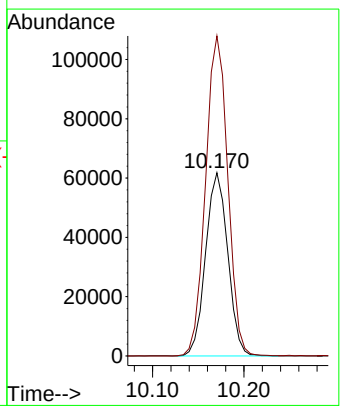
Supervised By :Semsettin Yesilyurt 05/21/2025

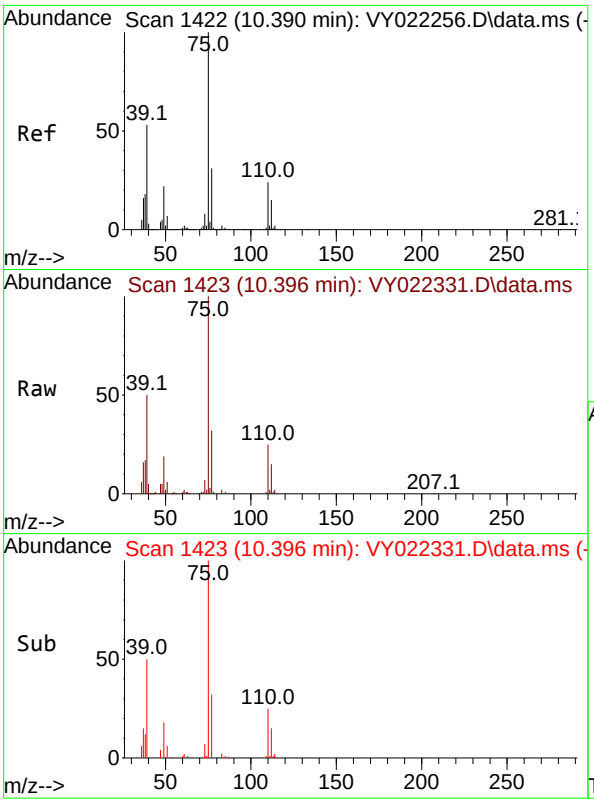


#52
Toluene
Concen: 20.038 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 92 Resp: 103885

Ion	Ratio	Lower	Upper
92	100		
91	175.3	139.1	208.7





#53
t-1,3-Dichloropropene
Concen: 20.090 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 75 Resp: 5415(

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
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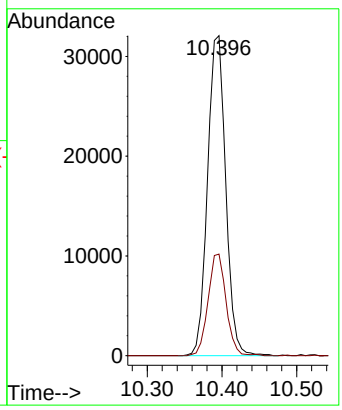
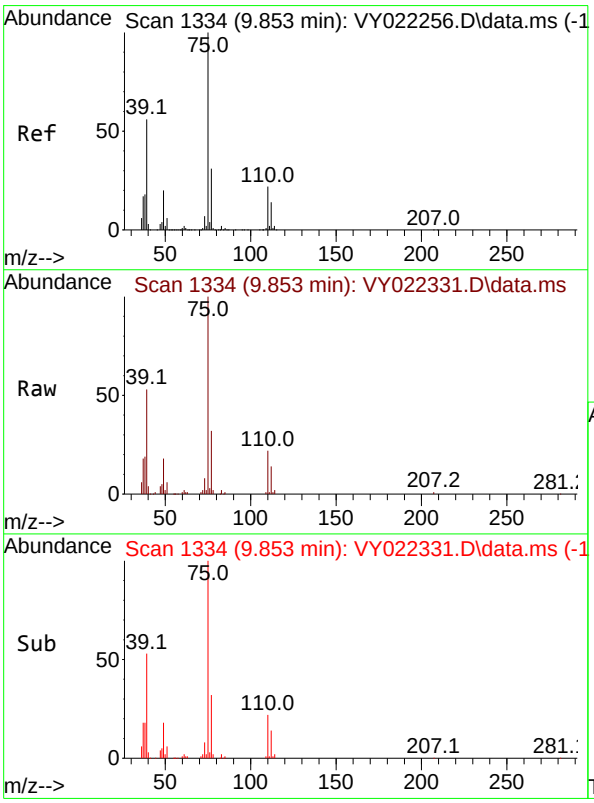
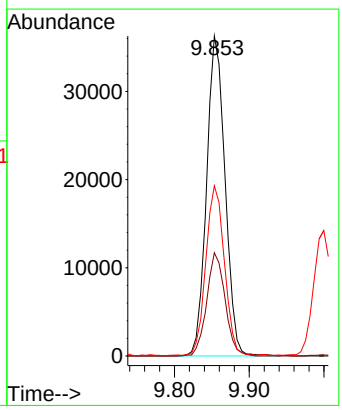


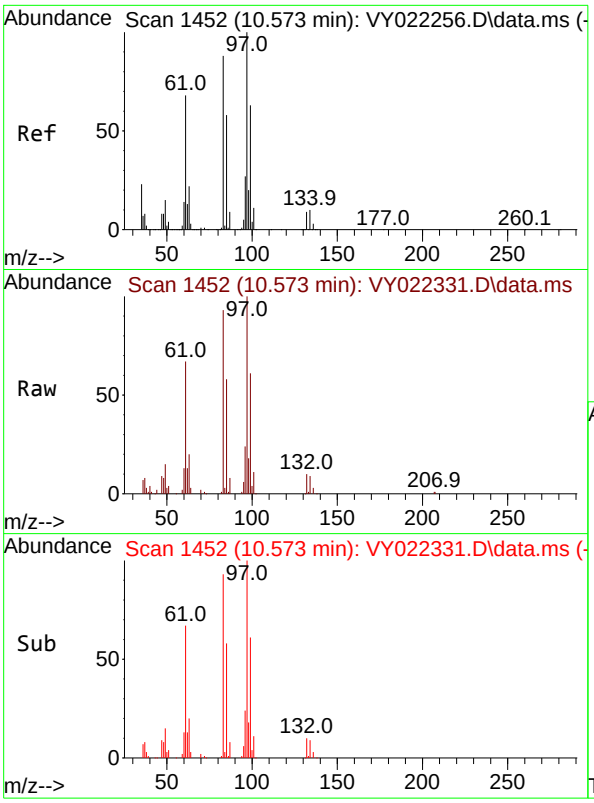


#54
cis-1,3-Dichloropropene
Concen: 20.174 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 75 Resp: 62298

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	52.9	44.5	66.7

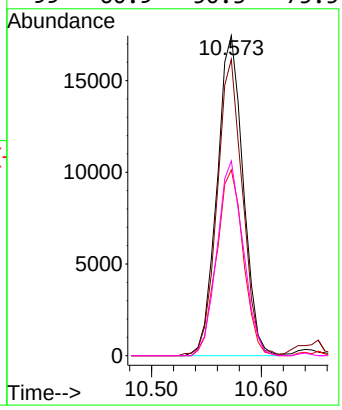




#55
1,1,2-Trichloroethane
Concen: 21.126 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 97 Resp: 2880

Ion	Ratio	Lower	Upper
97	100		
83	92.6	70.3	105.5
85	58.0	46.2	69.4
99	60.9	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
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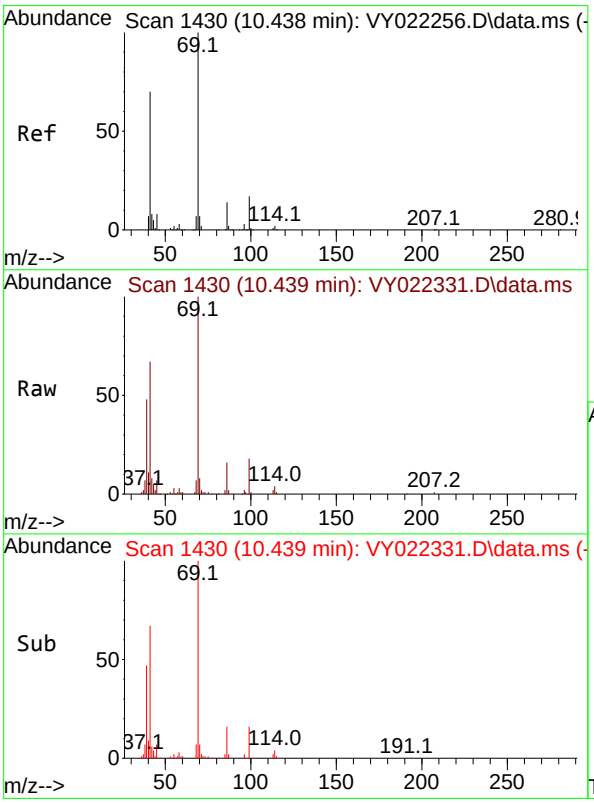
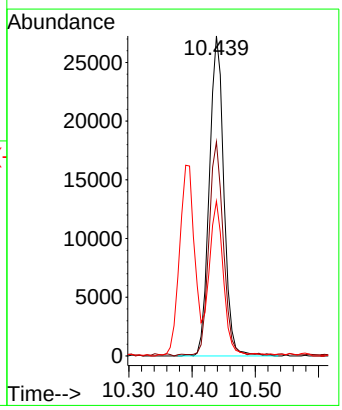
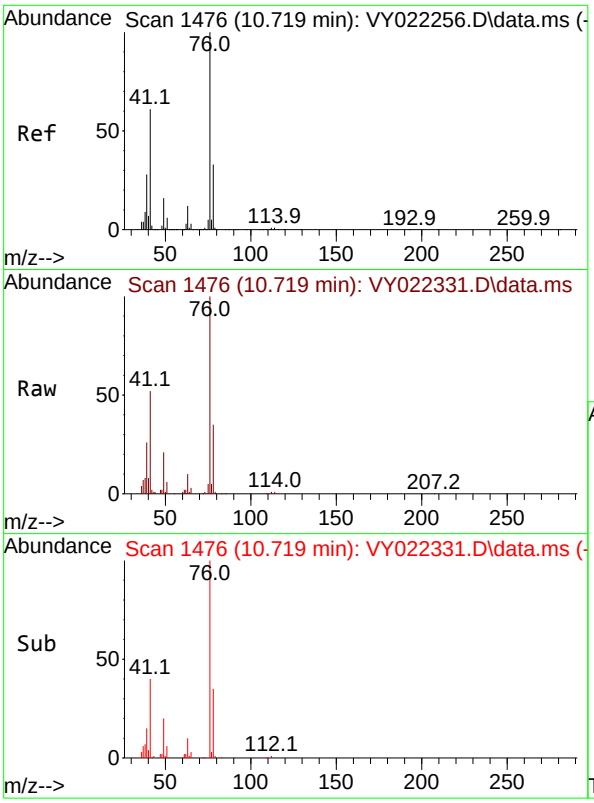


#56
Ethyl methacrylate
Concen: 20.452 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 69 Resp: 43432

Ion	Ratio	Lower	Upper
69	100		
41	65.1	56.5	84.7
39	46.1	37.1	55.7





#57
1,3-Dichloropropane
Concen: 21.060 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 76 Resp: 5101

Ion	Ratio	Lower	Upper
76	100		
78	33.9	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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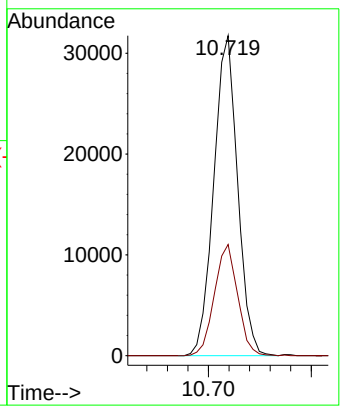
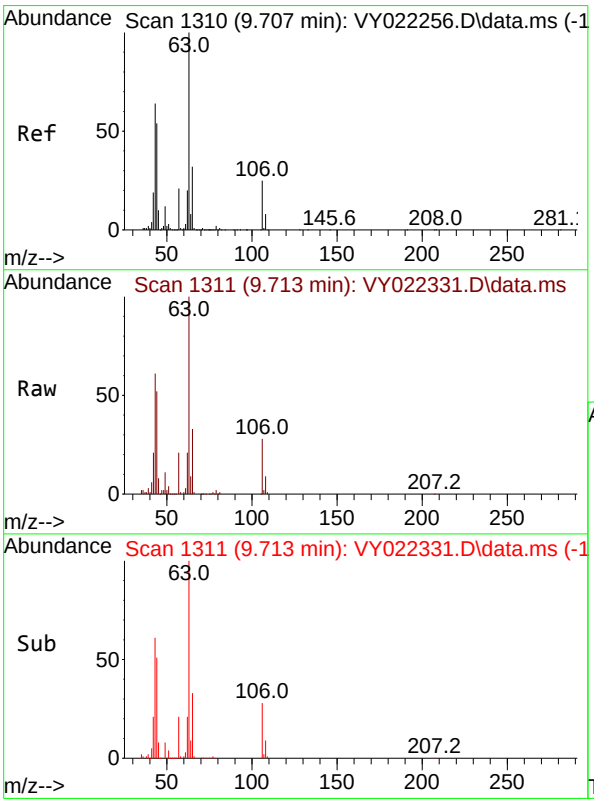
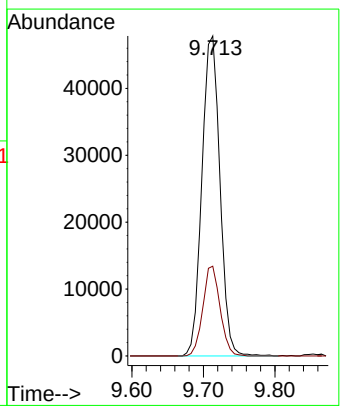


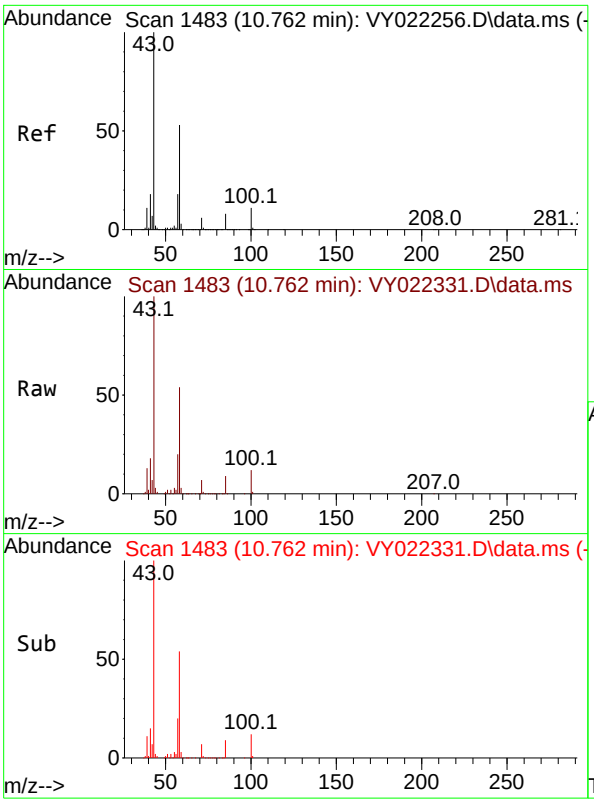


#58
2-Chloroethyl Vinyl ether
Concen: 87.855 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 63 Resp: 83740

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.0	31.4





#59
2-Hexanone
Concen: 97.733 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 9317

Ion	Ratio	Lower	Upper
43	100		
58	55.0	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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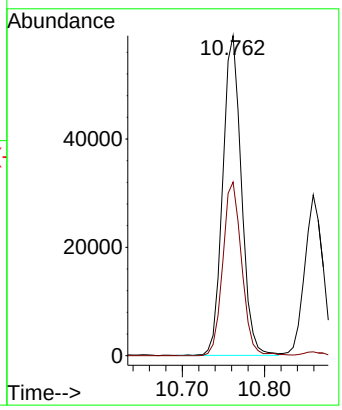
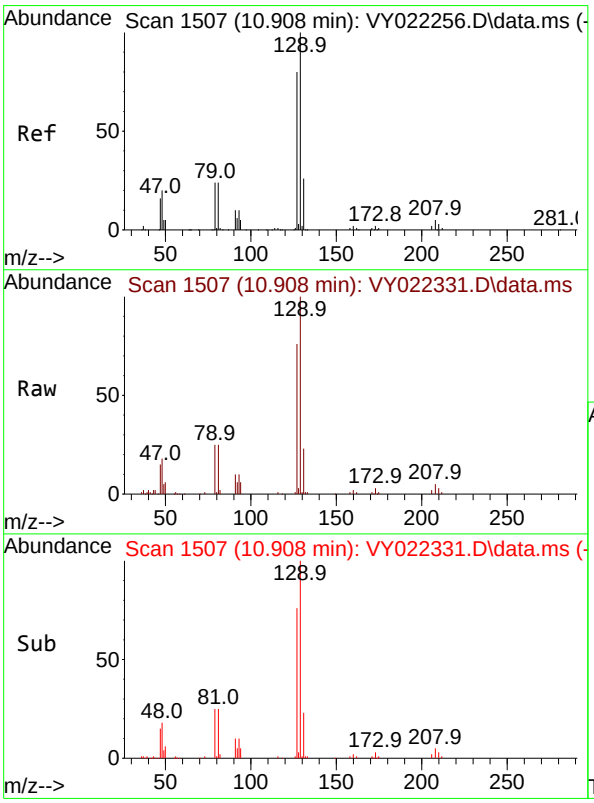
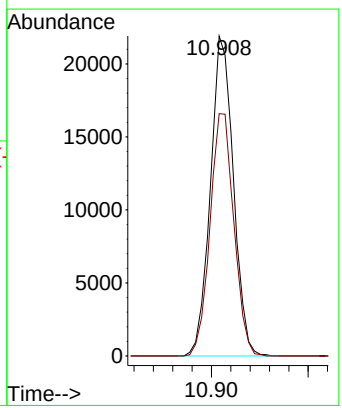


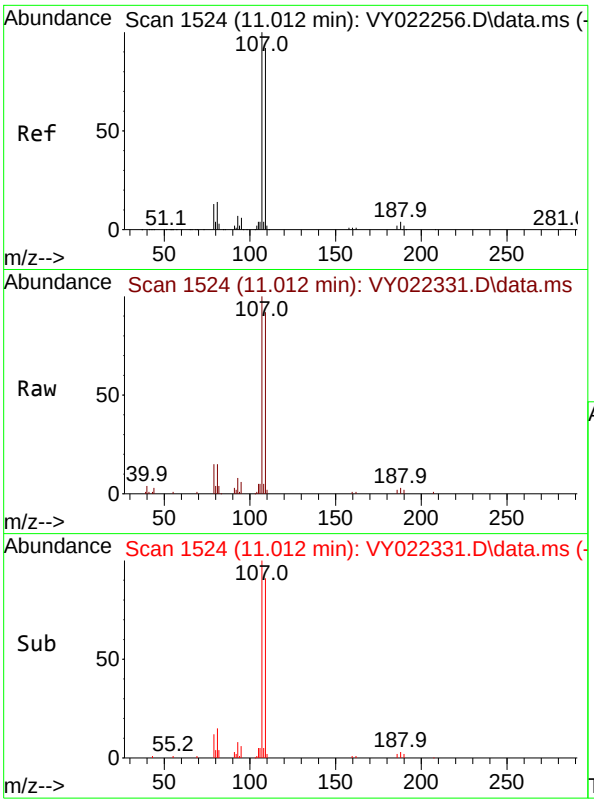


#60
Dibromochloromethane
Concen: 20.369 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:129 Resp: 36043

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.6	115.7

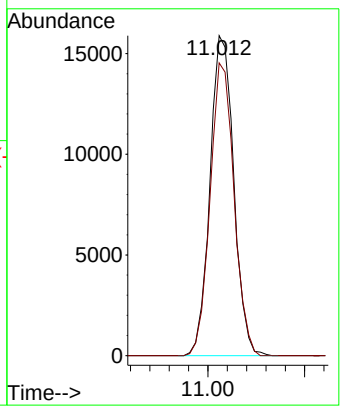




#61
1,2-Dibromoethane
Concen: 21.277 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:107 Resp: 2703

Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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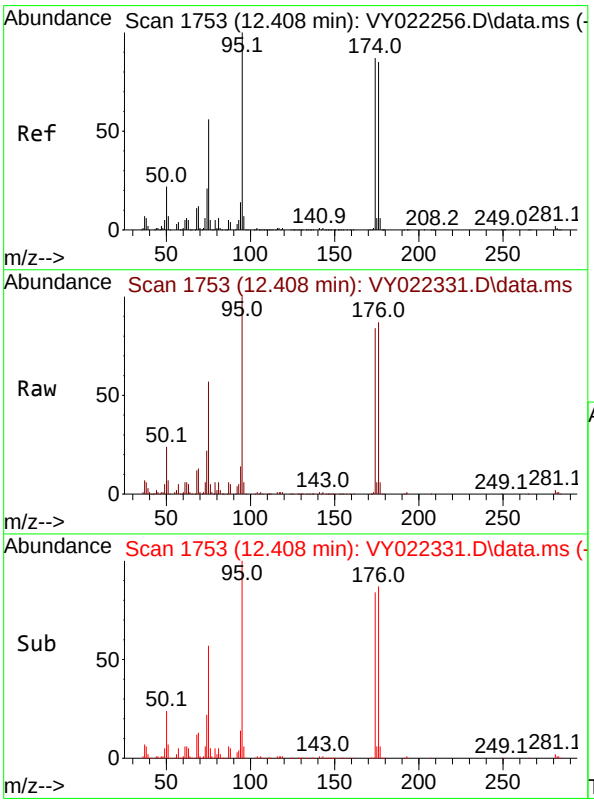
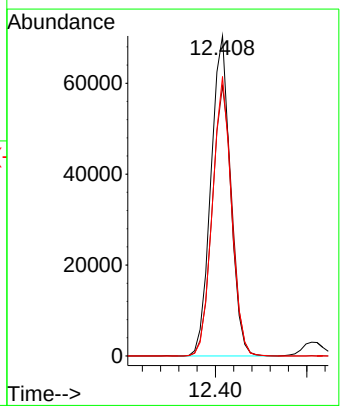
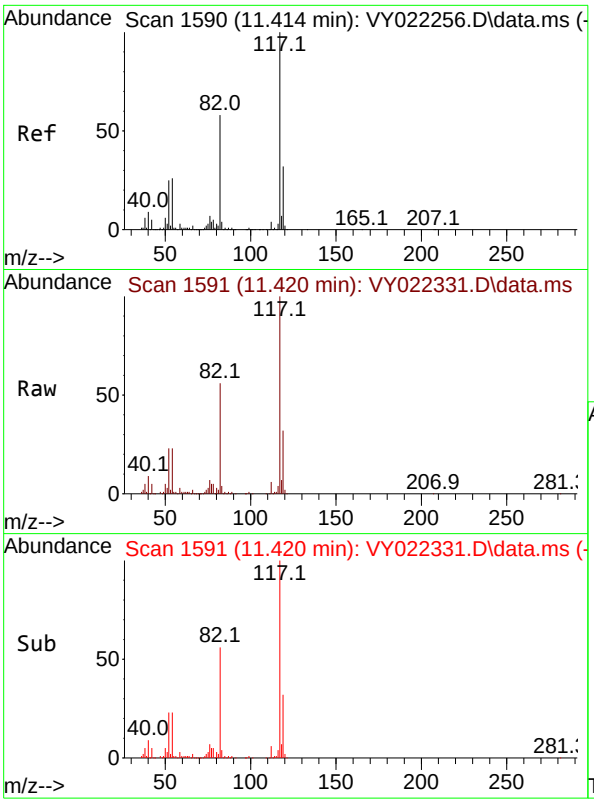


#62
4-Bromofluorobenzene
Concen: 47.707 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 95 Resp: 103841

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	166.8
176	85.4	0.0	160.8

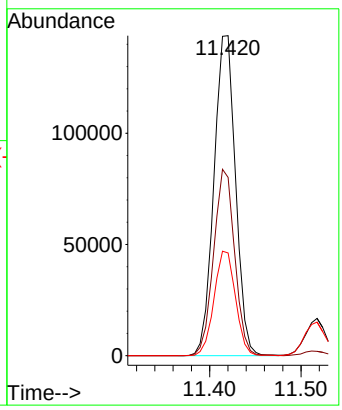




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:117 Resp: 23655

Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.6	70.0
119	32.1	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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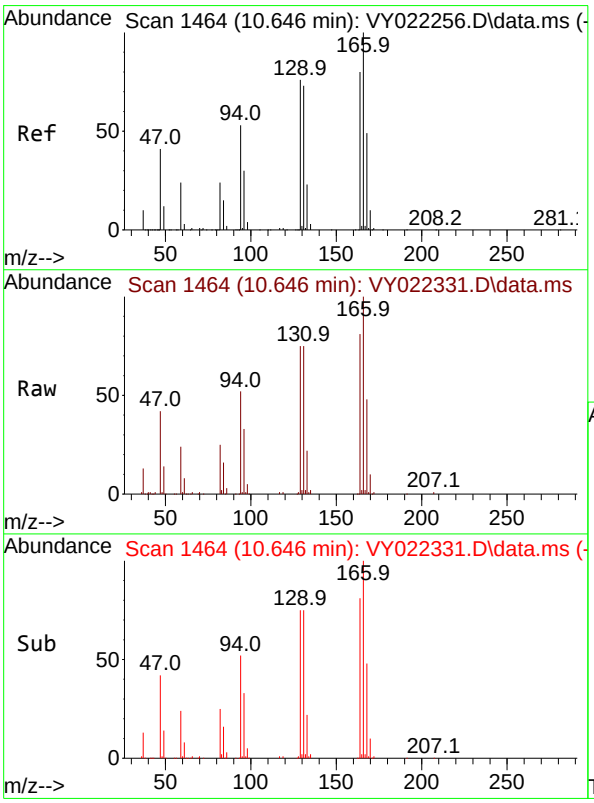
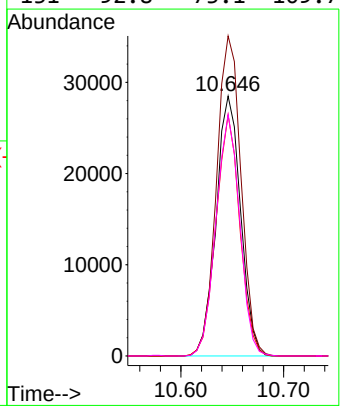
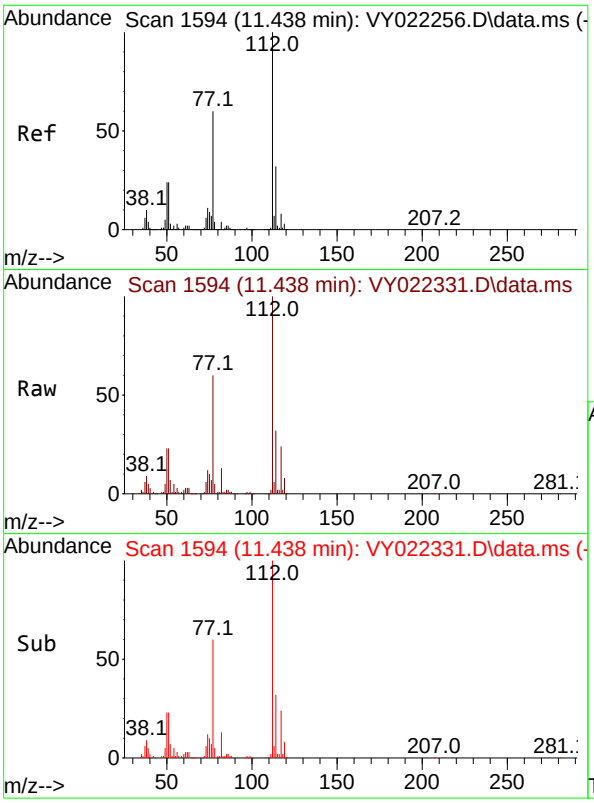


#64
Tetrachloroethene
Concen: 21.554 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:164 Resp: 47128

Ion	Ratio	Lower	Upper
164	100		
166	123.1	100.4	150.6
129	92.7	76.4	114.6
131	92.8	73.1	109.7

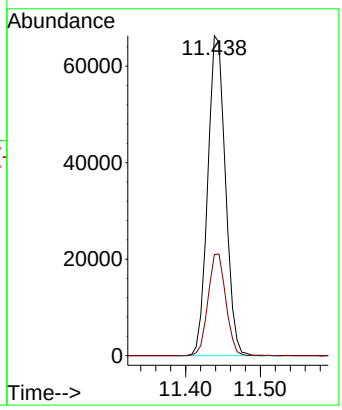




#65
Chlorobenzene
Concen: 20.477 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:112 Resp: 10928

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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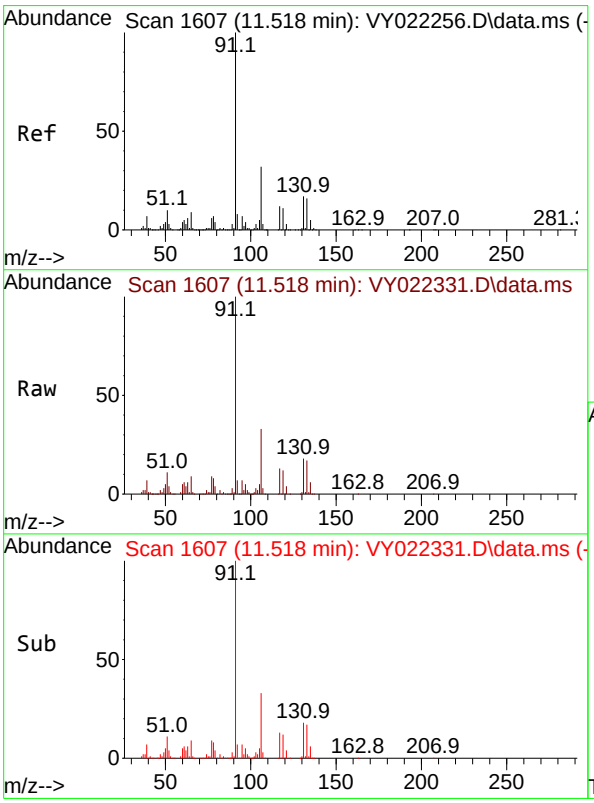
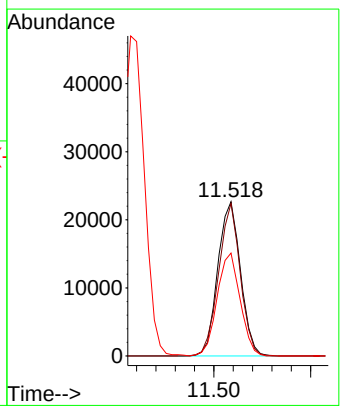
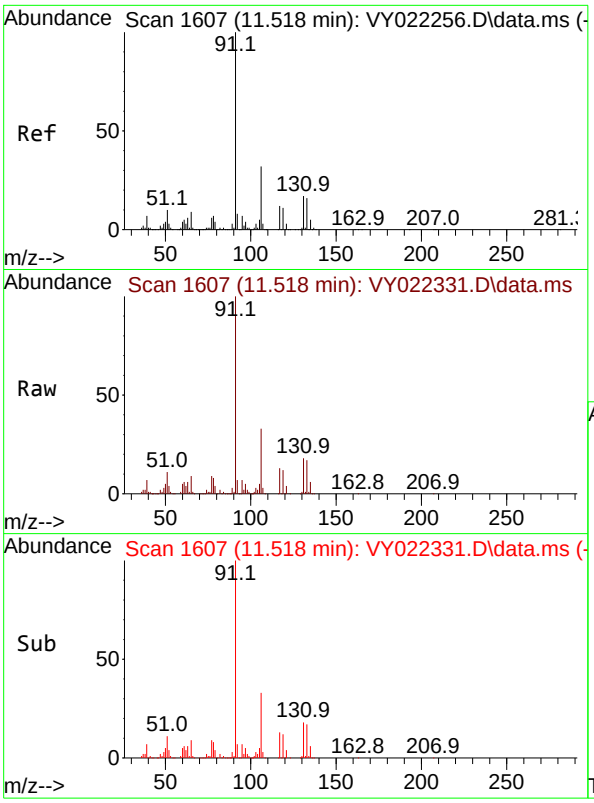


#66
1,1,1,2-Tetrachloroethane
Concen: 20.070 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:131 Resp: 36824

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.3	141.9
119	67.7	33.1	99.2





#67
Ethyl Benzene
Concen: 19.826 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 91 Resp: 19816

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.4	38.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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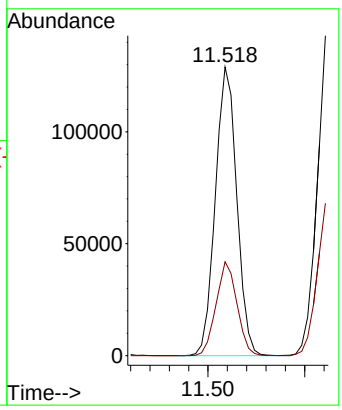
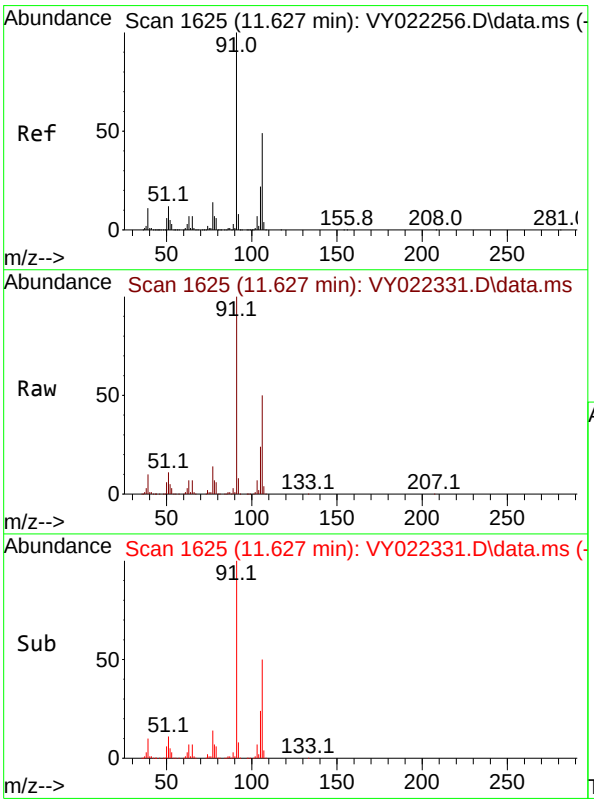
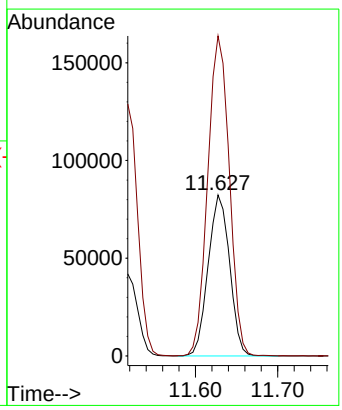


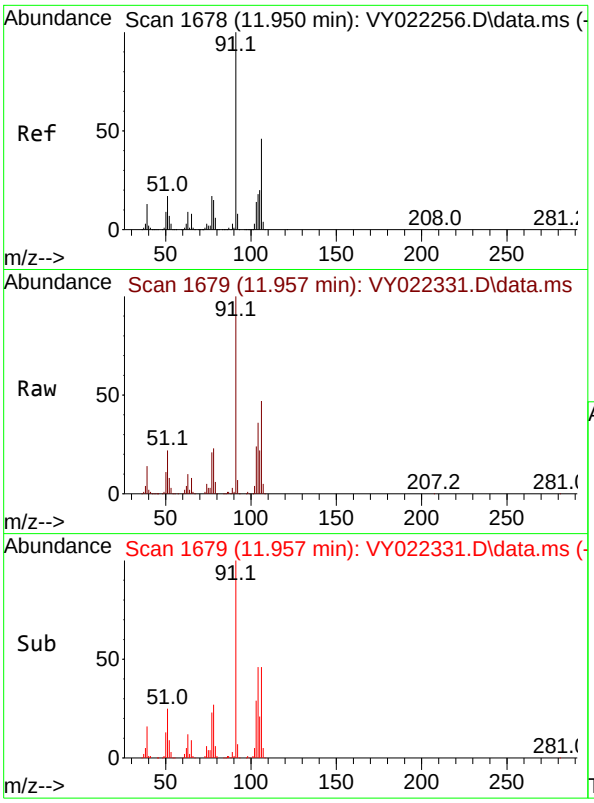


#68
m/p-Xylenes
Concen: 39.630 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:106 Resp: 149258

Ion	Ratio	Lower	Upper
106	100		
91	200.2	163.0	244.4

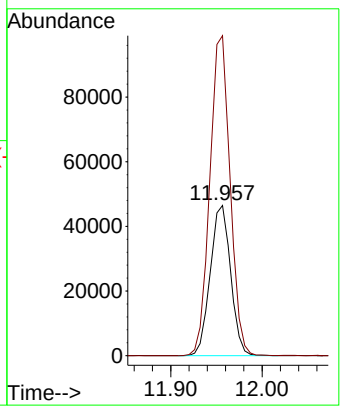




#69
o-Xylene
Concen: 20.198 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:106 Resp: 7197

Ion	Ratio	Lower	Upper
106	100		
91	211.6	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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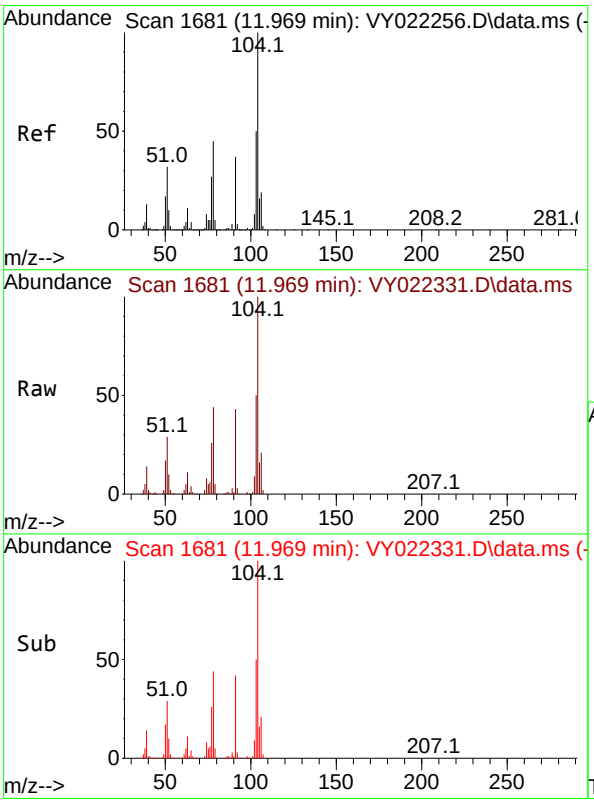
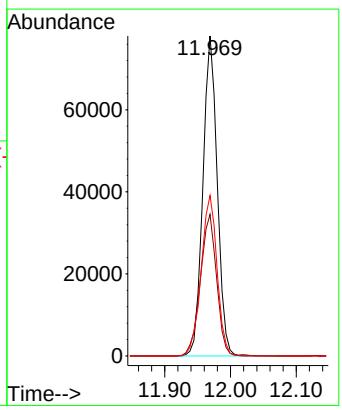
Supervised By :Semsettin Yesilyurt 05/21/2025

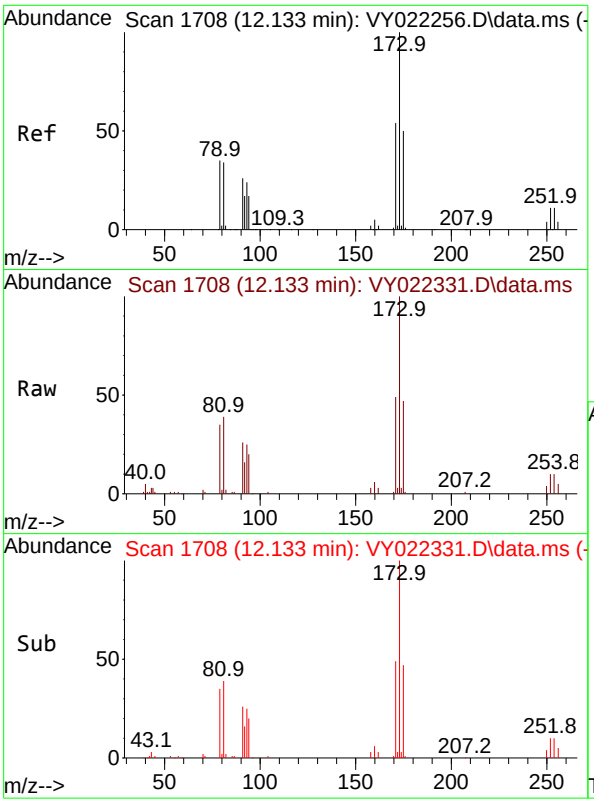


#70
Styrene
Concen: 19.712 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:104 Resp: 118483

Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.9	61.3
103	55.4	43.7	65.5

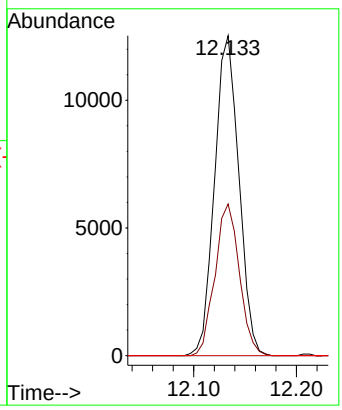




#71
Bromoform
Concen: 20.732 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:173 Resp: 2053

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.7	74.1
254	0.0	0.0	0.0



Instrument :
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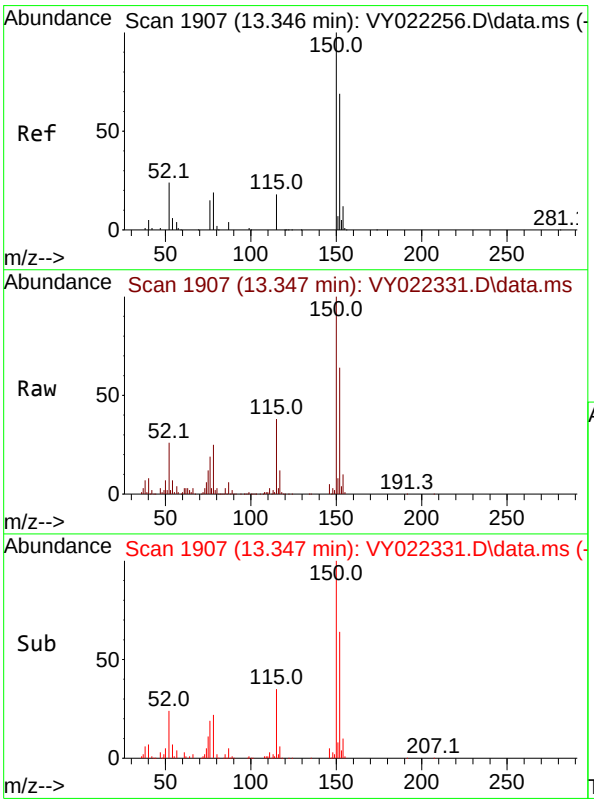
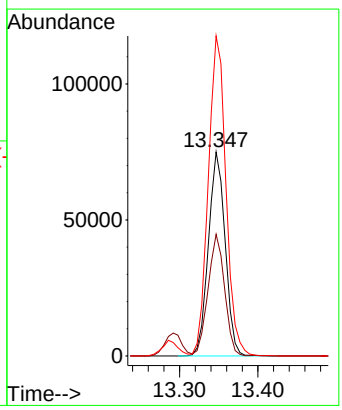
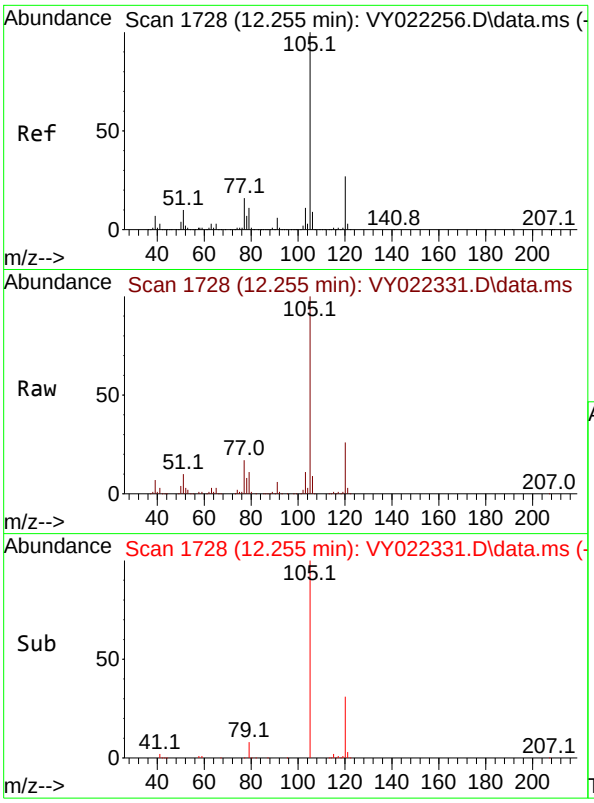


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:152 Resp: 111469

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	165.1	0.0	353.8

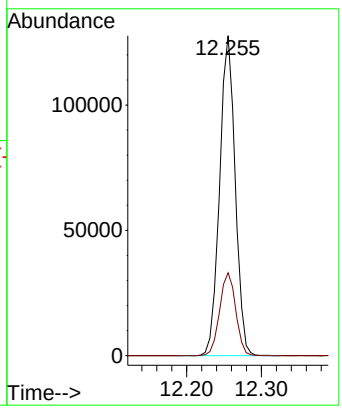




#73
Isopropylbenzene
Concen: 20.072 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:105 Resp: 18536

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.6



Instrument :
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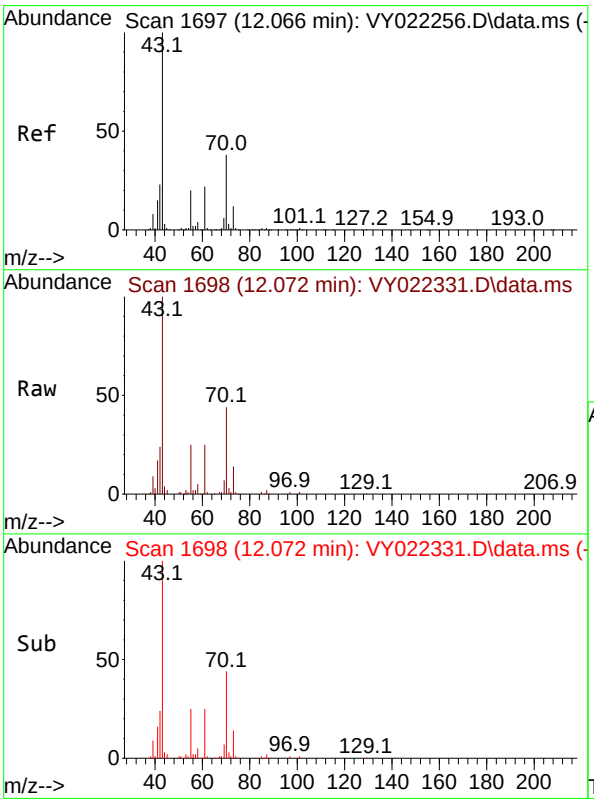
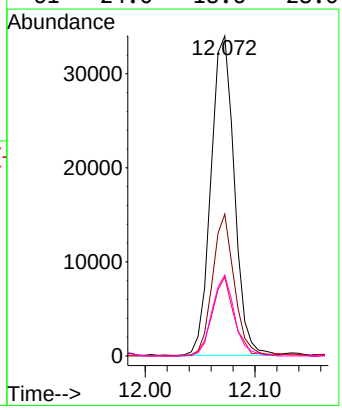
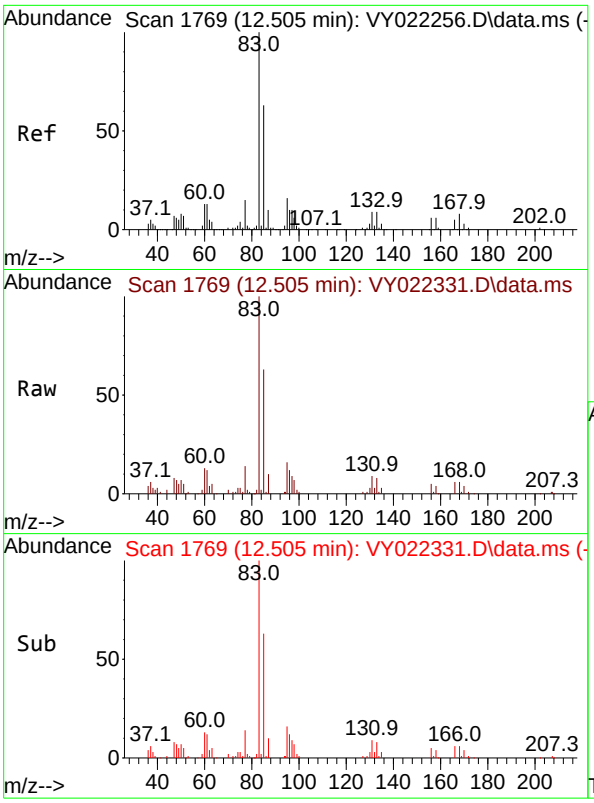


#74
N-amyl acetate
Concen: 19.104 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 43 Resp: 50457

Ion	Ratio	Lower	Upper
43	100		
70	41.5	31.4	47.0
55	24.0	17.0	25.6
61	24.0	18.6	28.0

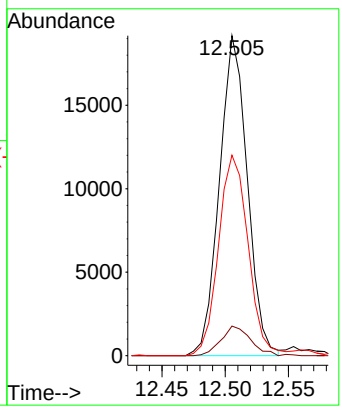




#75
1,1,2,2-Tetrachloroethane
Concen: 20.706 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 83 Resp: 2940

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	66.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
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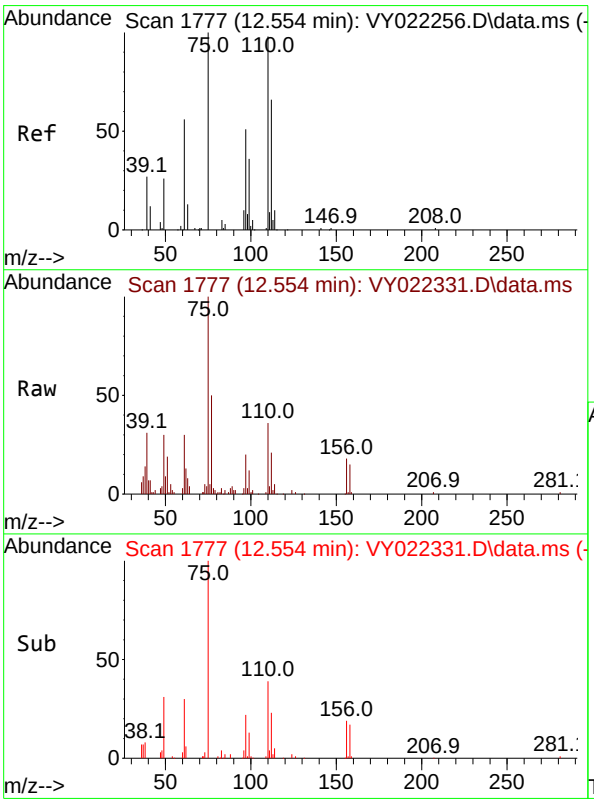
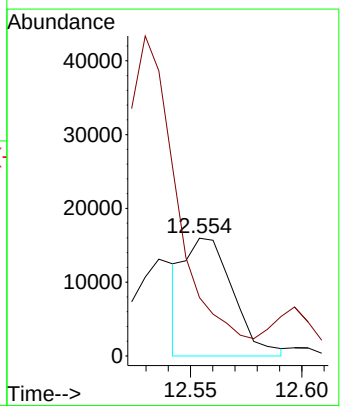
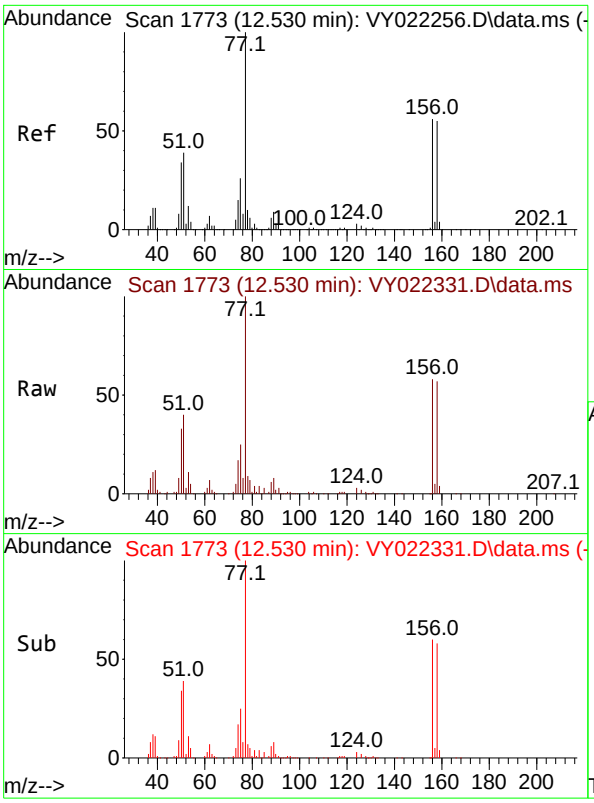


#76
1,2,3-Trichloropropane
Concen: 21.437 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 75 Resp: 24209

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

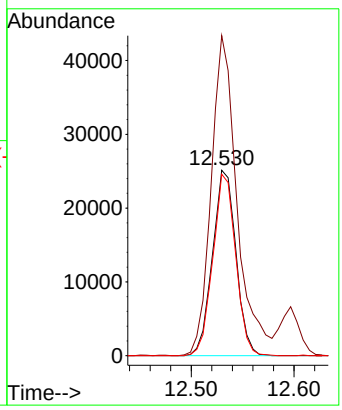




#77
Bromobenzene
Concen: 20.164 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:156 Resp: 3977

Ion	Ratio	Lower	Upper
156	100		
77	190.6	94.5	283.6
158	95.4	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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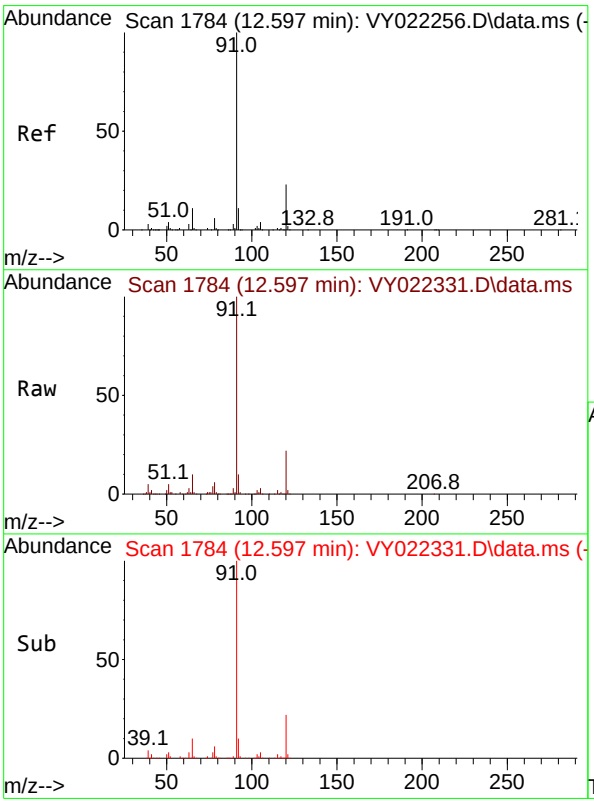
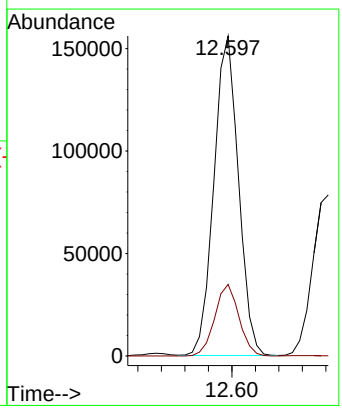
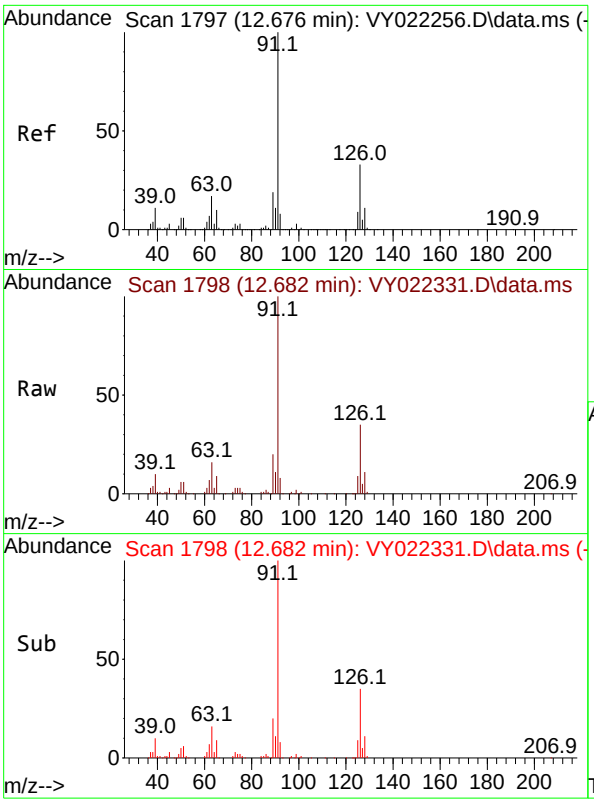


#78
n-propylbenzene
Concen: 20.317 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 91 Resp: 226302

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.3

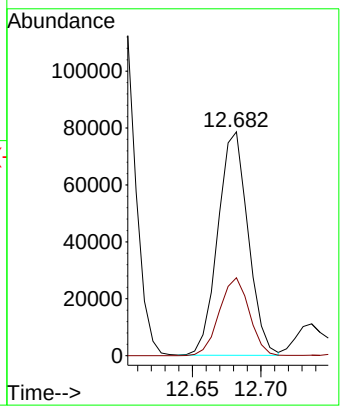




#79
2-Chlorotoluene
Concen: 19.708 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 91 Resp: 12063

Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

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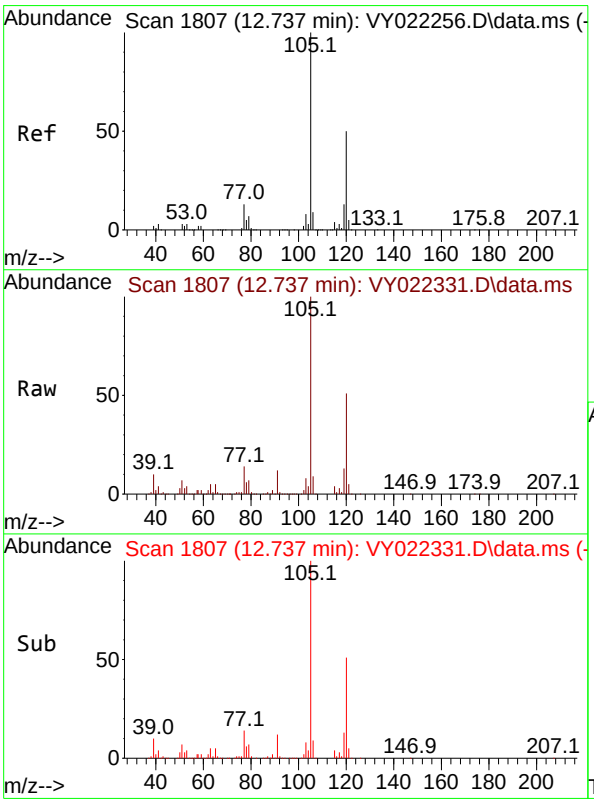
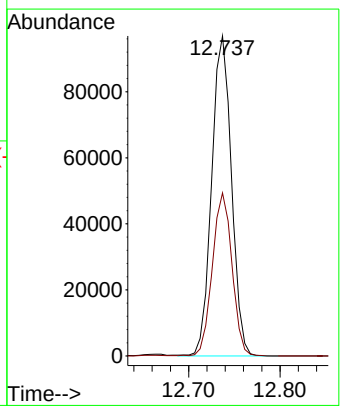
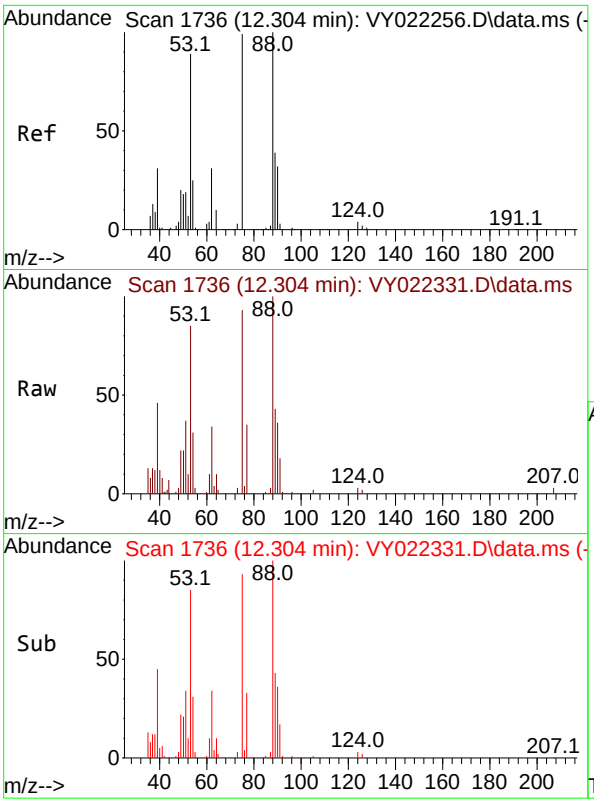


#80
1,3,5-Trimethylbenzene
Concen: 19.524 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:105 Resp: 145541

Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 18.754 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 75 Resp: 1045

Ion	Ratio	Lower	Upper
75	100		
53	93.1	75.8	113.8
89	47.4	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
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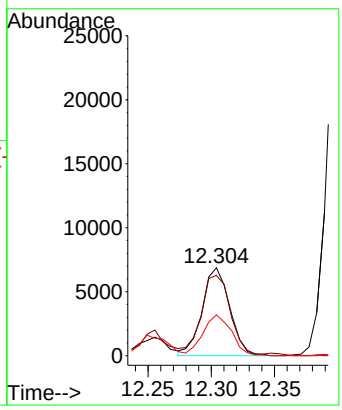
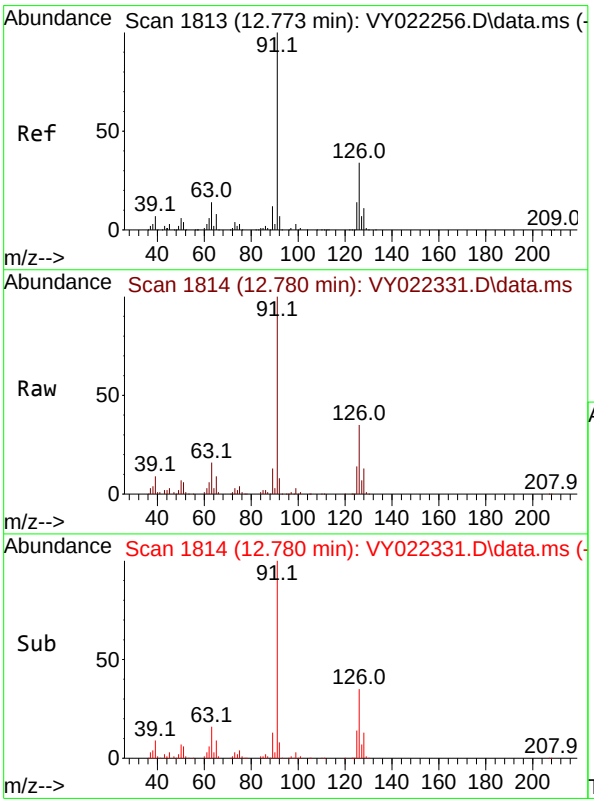
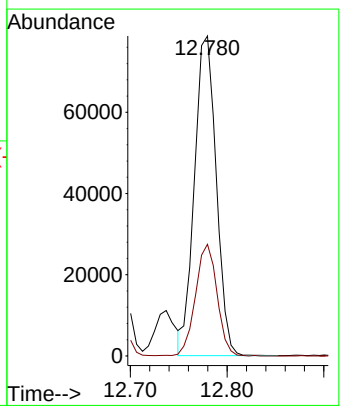


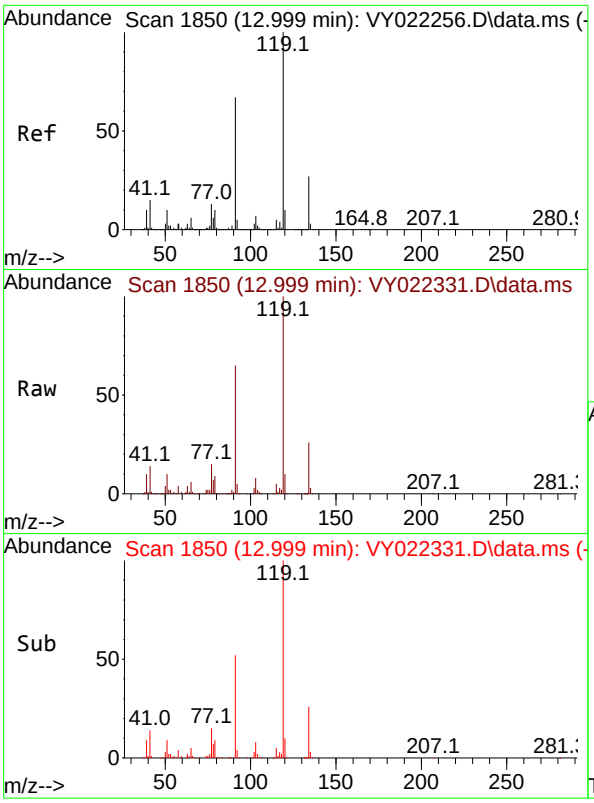


#82
4-Chlorotoluene
Concen: 19.623 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 91 Resp: 123547

Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.8	50.4

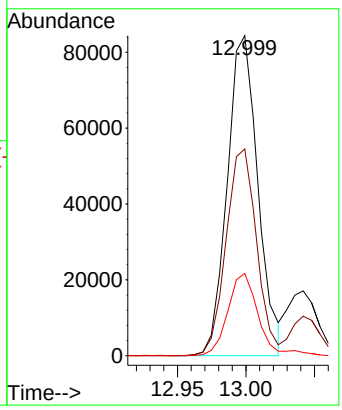




#83
tert-Butylbenzene
Concen: 19.842 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:119 Resp: 13146

Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.8	98.3
134	25.6	12.9	38.6



Instrument :
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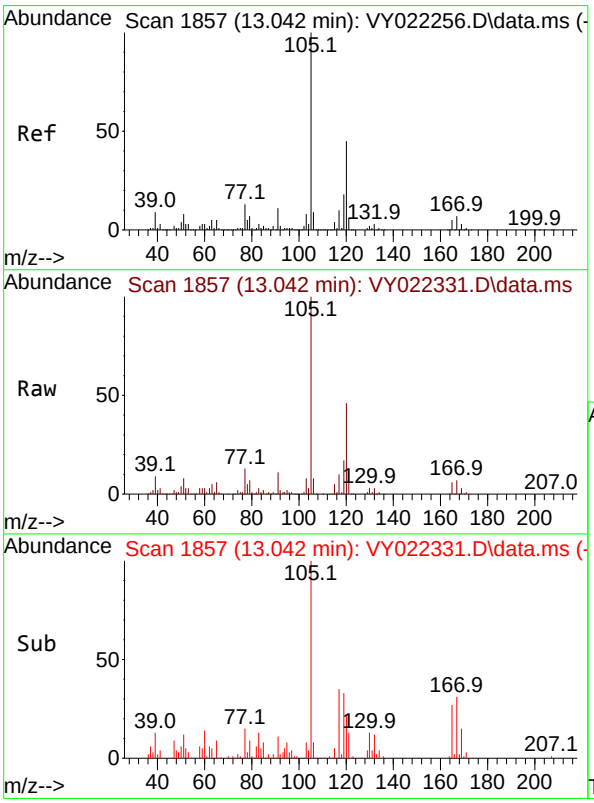
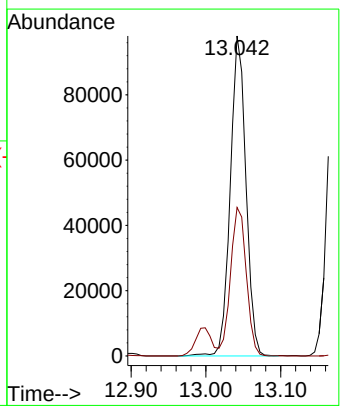
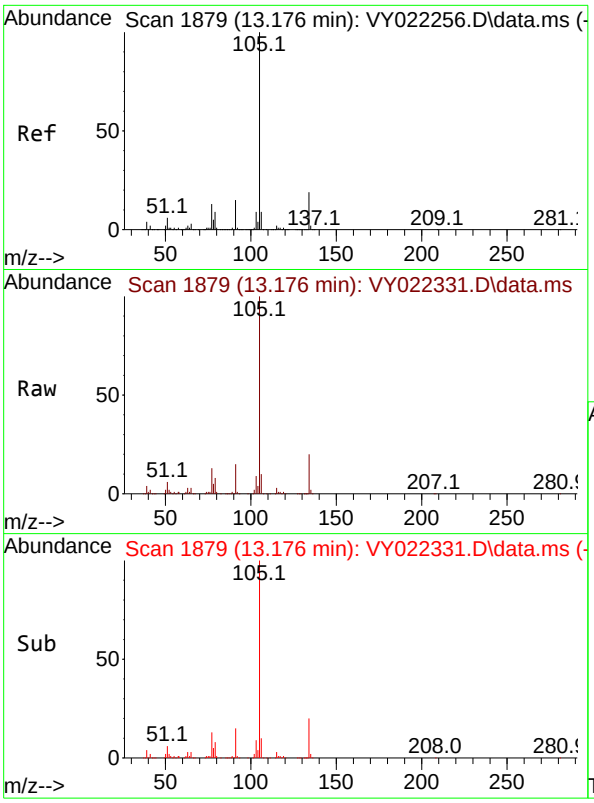


#84
1,2,4-Trimethylbenzene
Concen: 19.322 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:105 Resp: 142982

Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.3	66.9

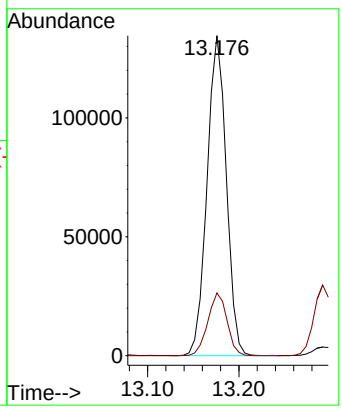




#85
sec-Butylbenzene
Concen: 19.981 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:105 Resp: 19652

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
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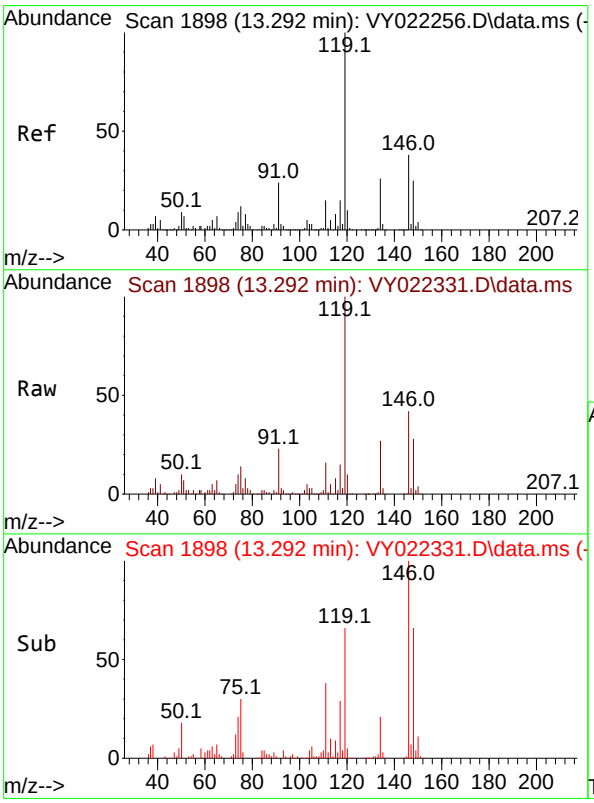
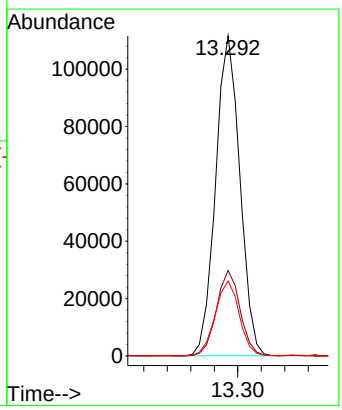
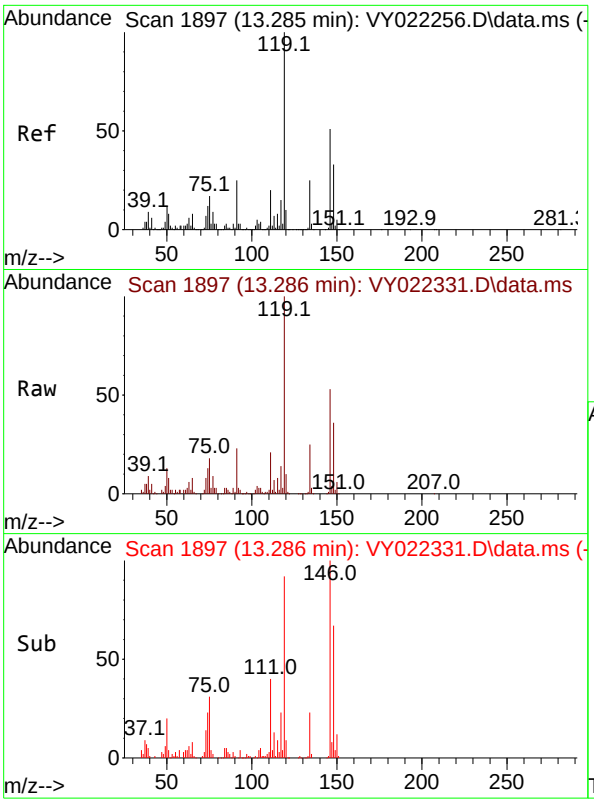


#86
p-Isopropyltoluene
Concen: 19.345 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:119 Resp: 160020

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	23.1	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 19.324 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:146 Resp: 7780

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	64.6	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
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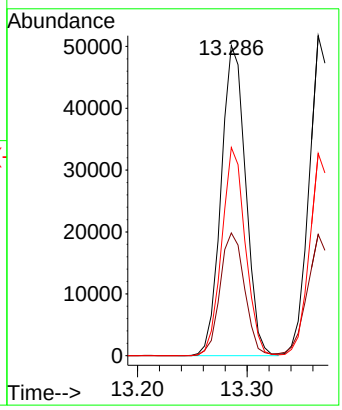
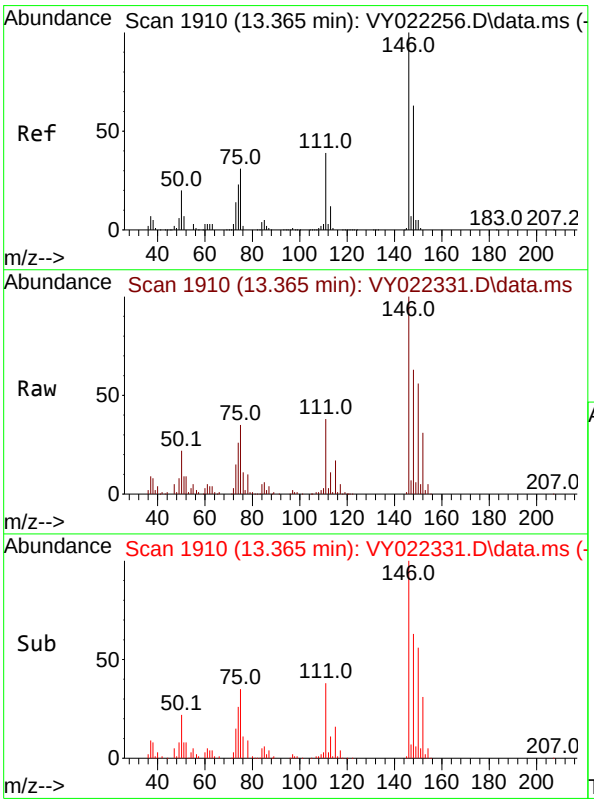
Supervised By :Semsettin Yesilyurt 05/21/2025

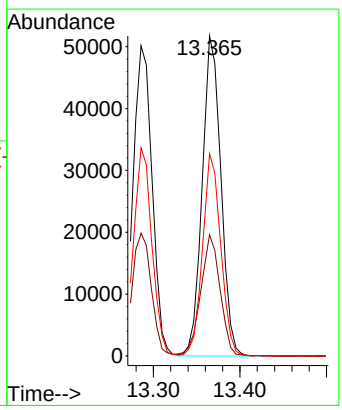


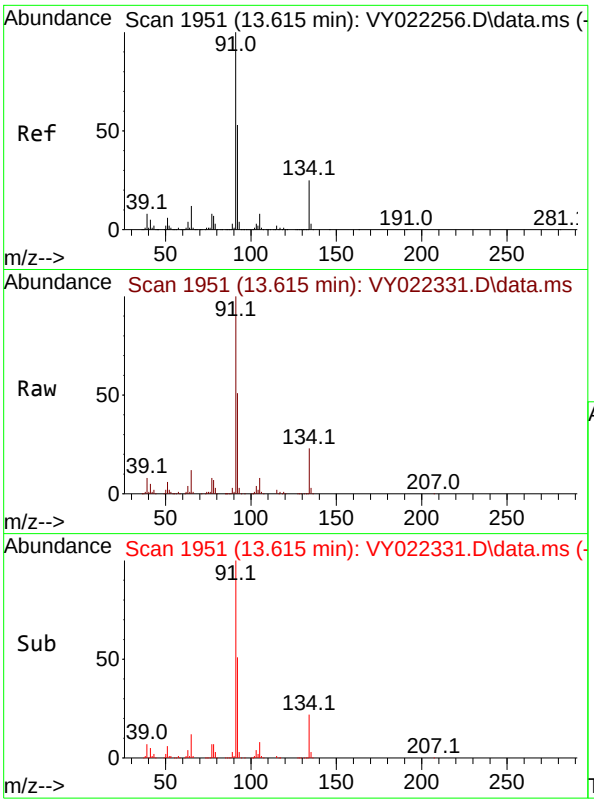


#88
1,4-Dichlorobenzene
Concen: 20.041 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:146 Resp: 77620

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	61.5	32.1	96.5

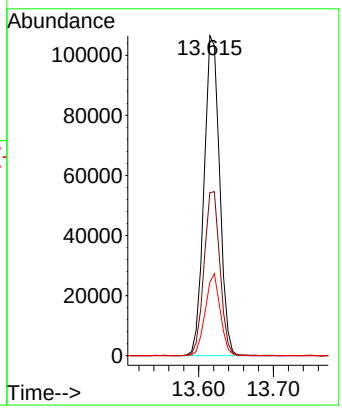




#89
n-Butylbenzene
Concen: 19.712 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 91 Resp: 15425

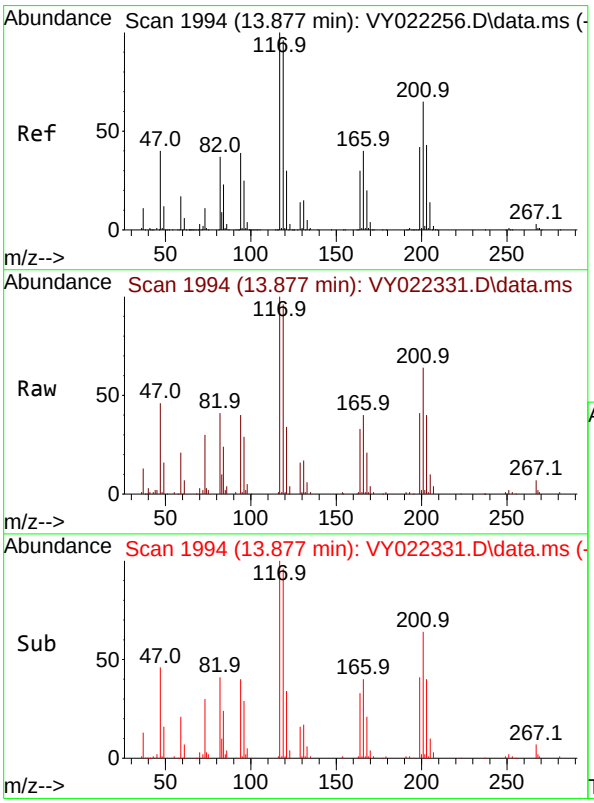
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	24.7	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

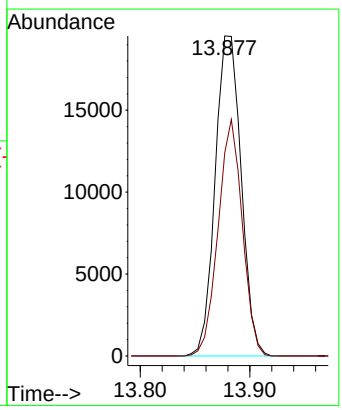
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

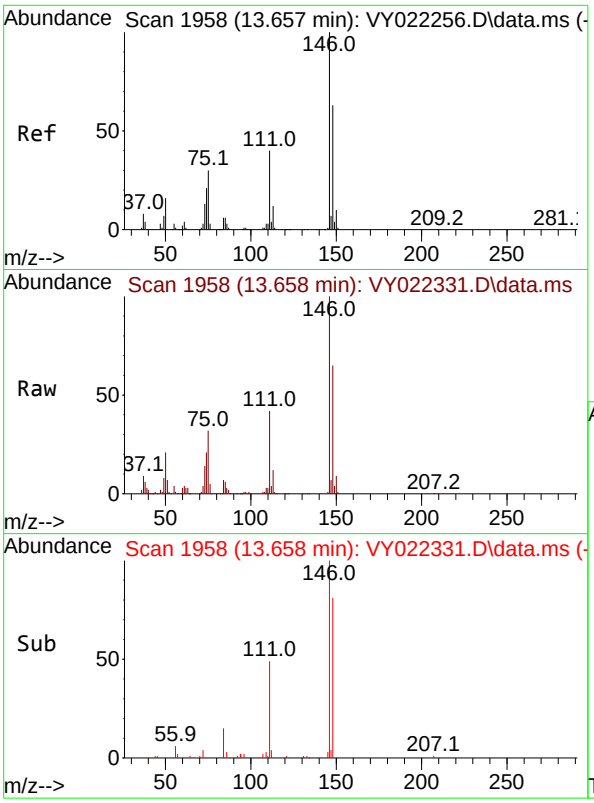


#90
Hexachloroethane
Concen: 19.287 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:117 Resp: 32205

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.2	105.6

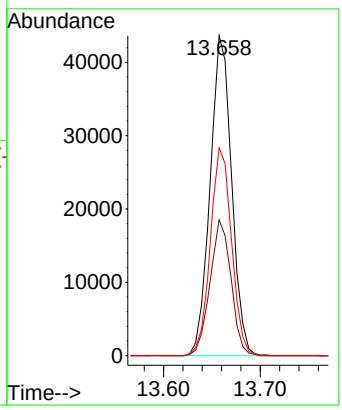




#91
1,2-Dichlorobenzene
Concen: 19.901 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:146 Resp: 6730

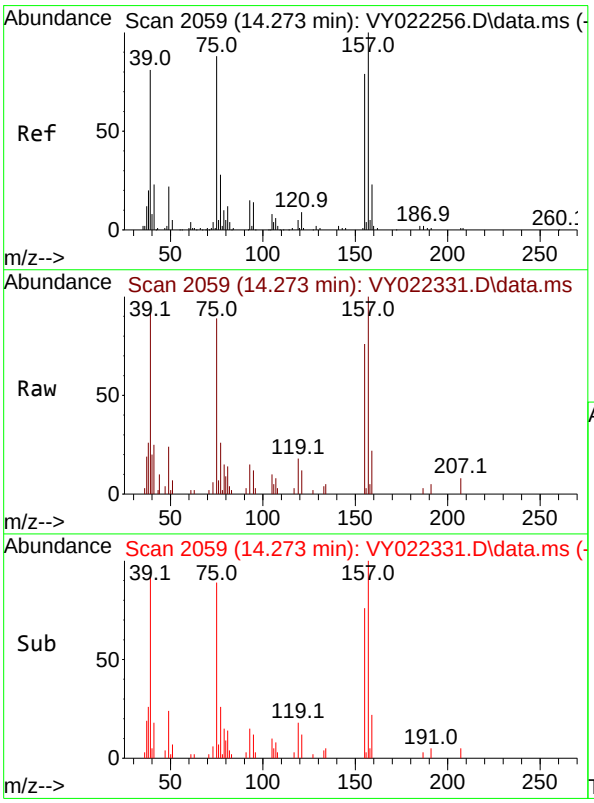
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	64.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

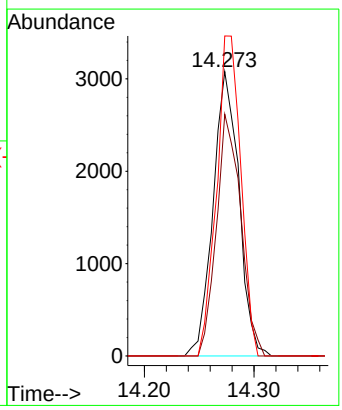
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

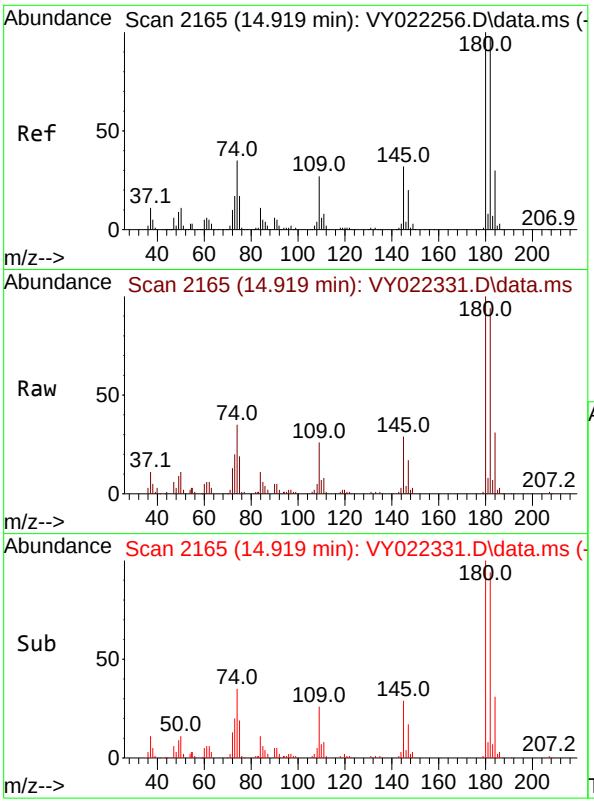


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.968 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion: 75 Resp: 5031

Ion	Ratio	Lower	Upper
75	100		
155	80.4	43.4	130.1
157	105.9	54.6	163.9

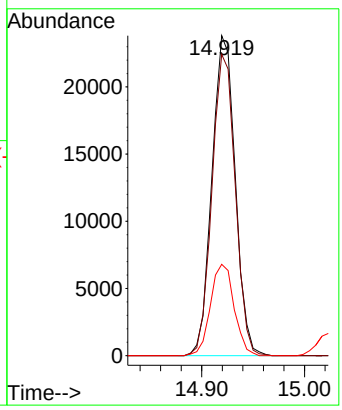




#93
1,2,4-Trichlorobenzene
Concen: 19.152 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:180 Resp: 3741

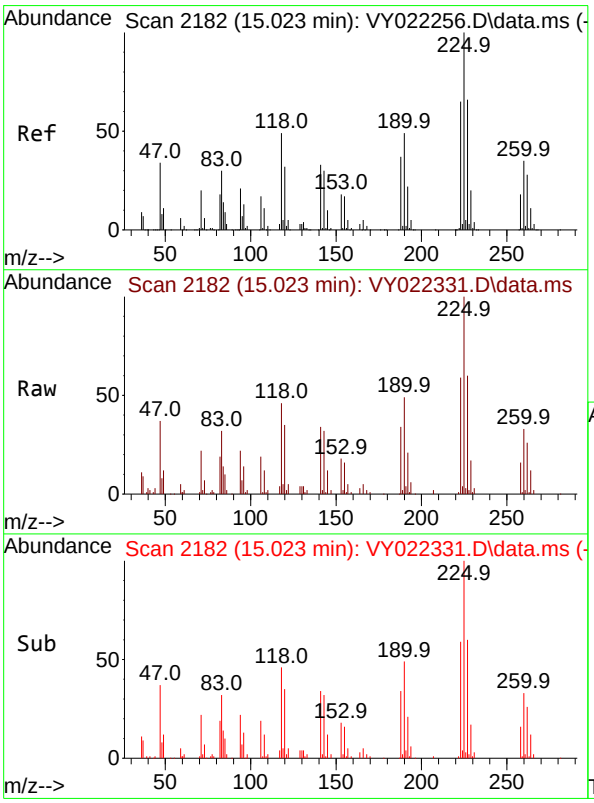
Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.0	144.0
145	29.0	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

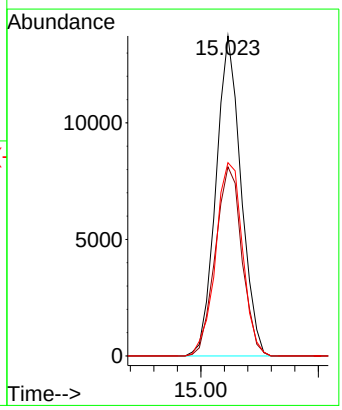
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

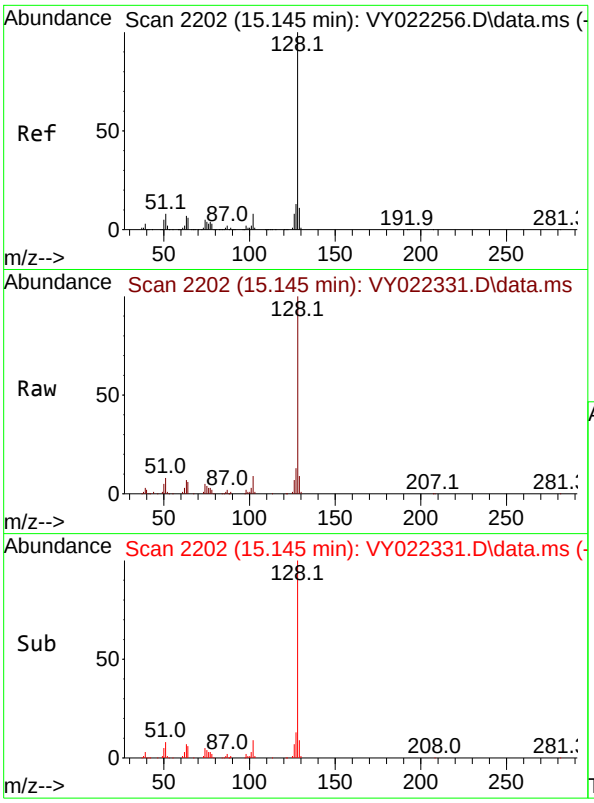


#94
Hexachlorobutadiene
Concen: 18.648 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:225 Resp: 20316

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	65.1	32.1	96.3

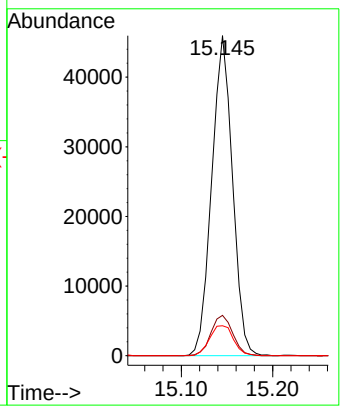




#95
Naphthalene
Concen: 19.543 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:128 Resp: 7245

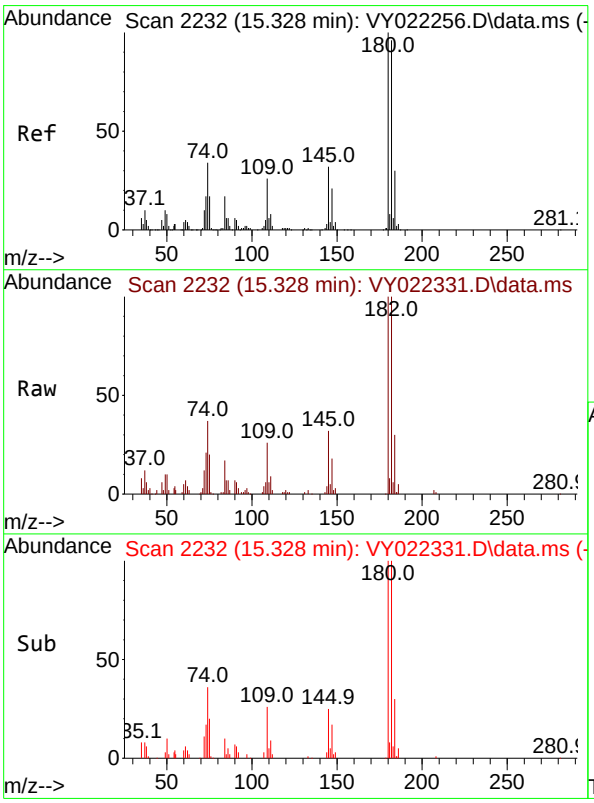
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0520SBS01

Manual Integrations
APPROVED

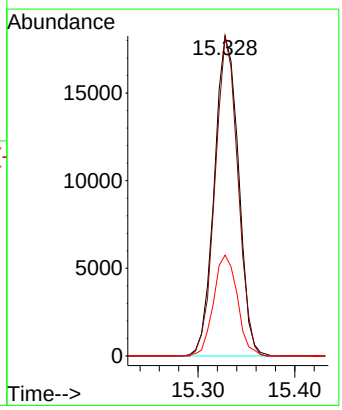
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.029 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022331.D
Acq: 20 May 2025 10:21

Tgt Ion:180 Resp: 31537

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.3
145	31.2	15.9	47.6



Raw Data: **VY022382.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VY0522SBS01	SDG No.:	Q2075
Lab Sample ID:	VY0522SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022382.D	1		05/22/25 09:36	VY052225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	19.5		0.79	5.00	ug/Kg
108-88-3	Toluene	19.4		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	56.8		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
103-65-1	n-propylbenzene	19.4		0.73	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	18.9		0.82	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.2		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	18.8		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.4		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.0		0.62	5.00	ug/Kg
104-51-8	n-Butylbenzene	19.3		1.50	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.719			
540-36-3	1,4-Difluorobenzene	294000	8.622			
3114-55-4	Chlorobenzene-d5	251000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.353			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022382.D
Acq On : 22 May 2025 09:36
Operator : SY/MD
Sample : VY0522SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	174604	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	293942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	250842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	118480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	92313	48.376	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.760%			
35) Dibromofluoromethane	7.646	113	88232	50.291	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.580%			
50) Toluene-d8	10.115	98	361670	50.334	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.660%			
62) 4-Bromofluorobenzene	12.414	95	108691	47.724	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35700	19.595	ug/l	100
3) Chloromethane	2.074	50	89428	23.334	ug/l	96
4) Vinyl Chloride	2.208	62	106584	24.892	ug/l	98
5) Bromomethane	2.598	94	120242	34.496	ug/l	100
6) Chloroethane	2.739	64	75963	28.516	ug/l	99
7) Trichlorofluoromethane	3.056	101	101302	23.367	ug/l	96
8) Diethyl Ether	3.464	74	20744	19.939	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.824	101	39378	20.923	ug/l	99
10) Methyl Iodide	4.013	142	39404	18.090	ug/l	98
11) Tert butyl alcohol	4.891	59	13893	95.339	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	38242	20.476	ug/l	94
13) Acrolein	3.665	56	11668	54.771	ug/l	97
14) Allyl chloride	4.397	41	57800	17.650	ug/l	93
15) Acrylonitrile	5.067	53	41413	96.604	ug/l	99
16) Acetone	3.885	43	37784	105.597	ug/l	96
17) Carbon Disulfide	4.116	76	117567	19.304	ug/l	99
18) Methyl Acetate	4.403	43	18733	16.605	ug/l #	89
19) Methyl tert-butyl Ether	5.128	73	100940	19.601	ug/l	98
20) Methylene Chloride	4.629	84	43819	18.952	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	40647	19.717	ug/l	95
22) Diisopropyl ether	6.031	45	124864	18.055	ug/l	98
23) Vinyl Acetate	5.970	43	370765	88.742	ug/l	96
24) 1,1-Dichloroethane	5.927	63	75035	19.421	ug/l	99
25) 2-Butanone	6.909	43	57111	95.421	ug/l	95
26) 2,2-Dichloropropane	6.890	77	69084	20.103	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	47248	19.861	ug/l	97
28) Bromochloromethane	7.256	49	30609	18.573	ug/l	96
29) Tetrahydrofuran	7.280	42	35533	92.280	ug/l	94
30) Chloroform	7.433	83	74530	20.111	ug/l	99
31) Cyclohexane	7.713	56	72006	18.653	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	66206	19.472	ug/l	99
36) 1,1-Dichloropropene	7.847	75	56933	19.702	ug/l	99
37) Ethyl Acetate	6.994	43	26743	19.234	ug/l	97
38) Carbon Tetrachloride	7.829	117	59138	19.771	ug/l	97
39) Methylcyclohexane	9.116	83	74349	19.151	ug/l	97
40) Benzene	8.091	78	167114	19.508	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022382.D
Acq On : 22 May 2025 09:36
Operator : SY/MD
Sample : VY0522SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 23 03:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	14142	15.333	ug/l	#	82
42) 1,2-Dichloroethane	8.171	62	44204	19.081	ug/l		98
43) Isopropyl Acetate	8.207	43	52844	17.427	ug/l		98
44) Trichloroethene	8.872	130	42833	20.109	ug/l		96
45) 1,2-Dichloropropane	9.152	63	39408	19.081	ug/l		97
46) Dibromomethane	9.237	93	22173	19.905	ug/l		97
47) Bromodichloromethane	9.433	83	55825	19.317	ug/l		98
48) Methyl methacrylate	9.231	41	24395	17.203	ug/l		94
49) 1,4-Dioxane	9.250	88	5019	398.826	ug/l		89
51) 4-Methyl-2-Pentanone	10.006	43	132300	88.920	ug/l		96
52) Toluene	10.176	92	105474	19.443	ug/l		98
53) t-1,3-Dichloropropene	10.402	75	52289	18.540	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	60767	18.806	ug/l		95
55) 1,1,2-Trichloroethane	10.579	97	27910	19.566	ug/l		99
56) Ethyl methacrylate	10.445	69	41592	18.718	ug/l		95
57) 1,3-Dichloropropane	10.725	76	50921	20.091	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	80535	80.750	ug/l		97
59) 2-Hexanone	10.768	43	89261	89.478	ug/l		95
60) Dibromochloromethane	10.920	129	36931	19.947	ug/l		100
61) 1,2-Dibromoethane	11.024	107	26053	19.596	ug/l		99
64) Tetrachloroethene	10.652	164	46204	19.928	ug/l		96
65) Chlorobenzene	11.450	112	111687	19.735	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.524	131	36492	18.757	ug/l		98
67) Ethyl Benzene	11.524	91	198411	18.720	ug/l		99
68) m/p-Xylenes	11.633	106	151710	37.987	ug/l		97
69) o-Xylene	11.963	106	71140	18.827	ug/l		100
70) Styrene	11.975	104	121069	18.995	ug/l		97
71) Bromoform	12.139	173	20171	19.208	ug/l	#	99
73) Isopropylbenzene	12.261	105	189456	19.302	ug/l		100
74) N-amyl acetate	12.078	43	47777	17.019	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.511	83	29957	19.845	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	22658m	18.877	ug/l		
77) Bromobenzene	12.536	156	39583	18.881	ug/l		98
78) n-propylbenzene	12.603	91	229385	19.375	ug/l		100
79) 2-Chlorotoluene	12.682	91	120979	18.594	ug/l		98
80) 1,3,5-Trimethylbenzene	12.743	105	149426	18.859	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.310	75	10636	17.950	ug/l		97
82) 4-Chlorotoluene	12.780	91	123043	18.386	ug/l		99
83) tert-Butylbenzene	12.999	119	134904	19.156	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	147645	18.771	ug/l		99
85) sec-Butylbenzene	13.182	105	202478	19.368	ug/l		100
86) p-Isopropyltoluene	13.298	119	166855	18.977	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	80701	18.857	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	78194	18.995	ug/l		99
89) n-Butylbenzene	13.621	91	160206	19.260	ug/l		100
90) Hexachloroethane	13.883	117	33947	19.127	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	68652	19.098	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4780	19.637	ug/l		99
93) 1,2,4-Trichlorobenzene	14.925	180	40453	19.482	ug/l		99
94) Hexachlorobutadiene	15.029	225	21731	18.766	ug/l		98
95) Naphthalene	15.151	128	76320	19.368	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	33805	19.191	ug/l		99

Sample Results: **VY022382.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022382.D
Acq On : 22 May 2025 09:36
Operator : SY/MD
Sample : VY0522SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 03:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Sample Results: **VY022382.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022382.D
Acq On : 22 May 2025 09:36
Operator : SY/MD
Sample : VY0522SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 23 03:32:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations APPROVED

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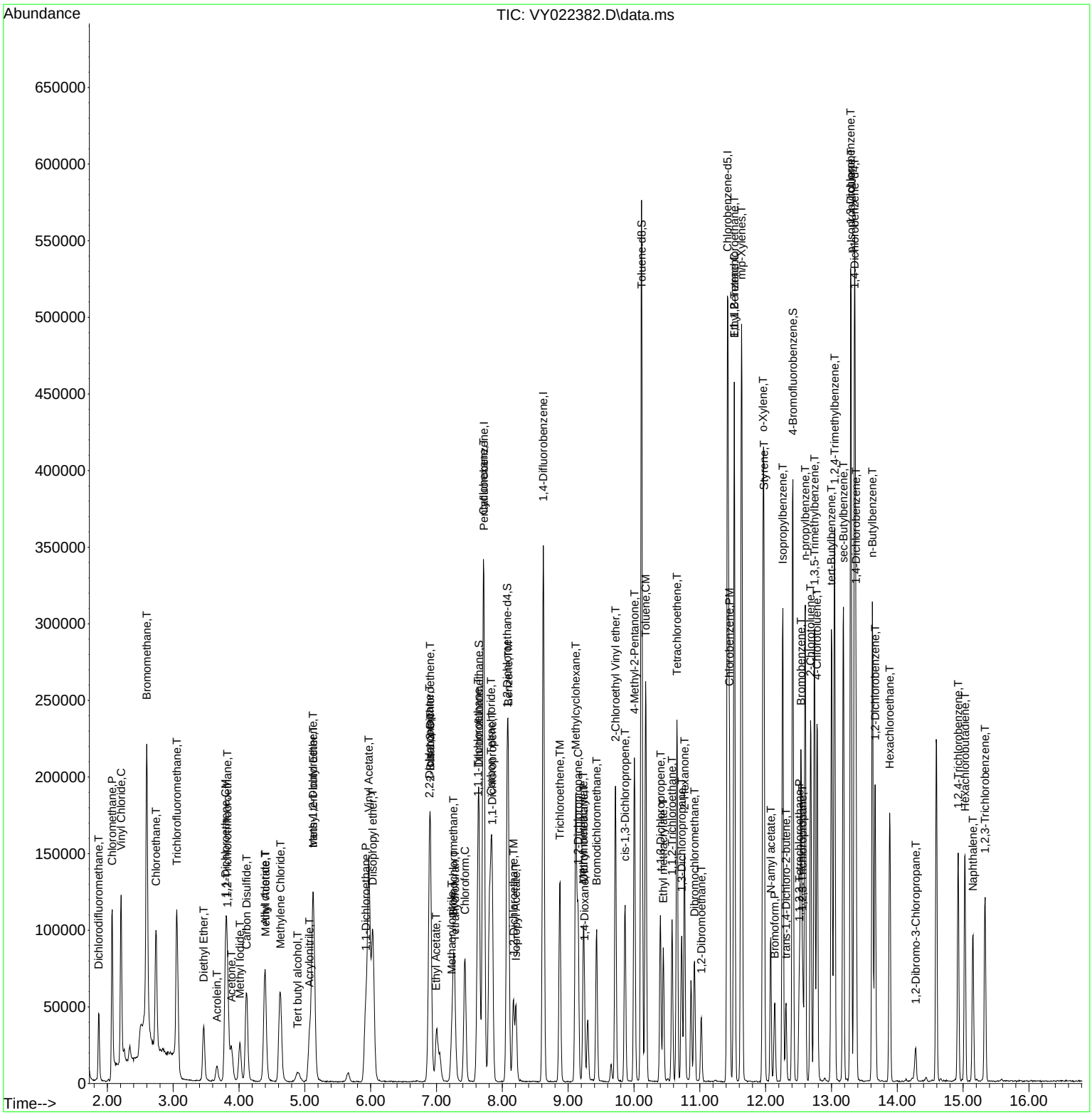
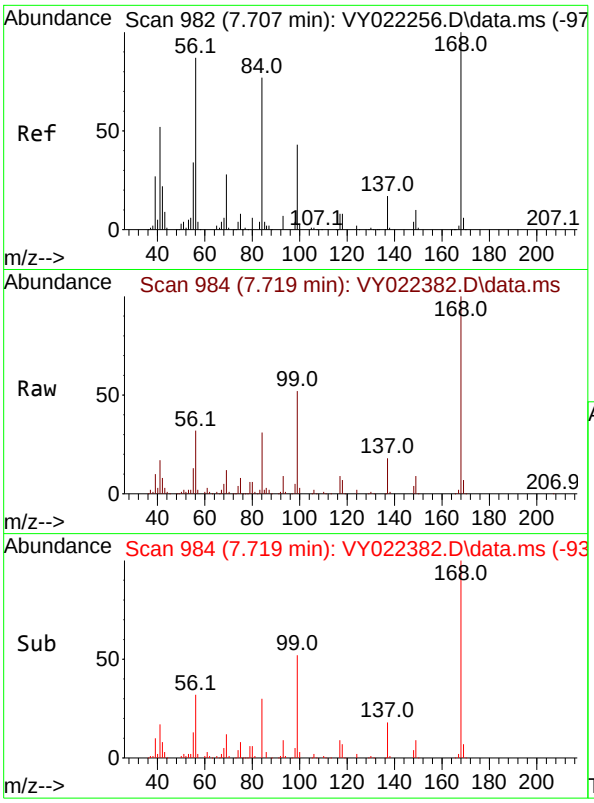
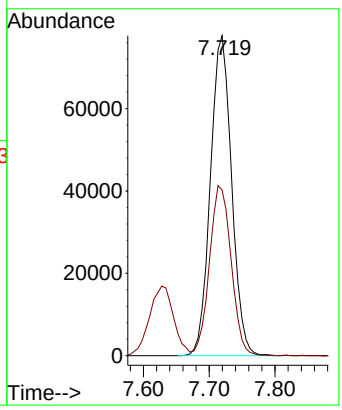




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:168 Resp: 17460

Ion	Ratio	Lower	Upper
168	100		
99	51.8	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
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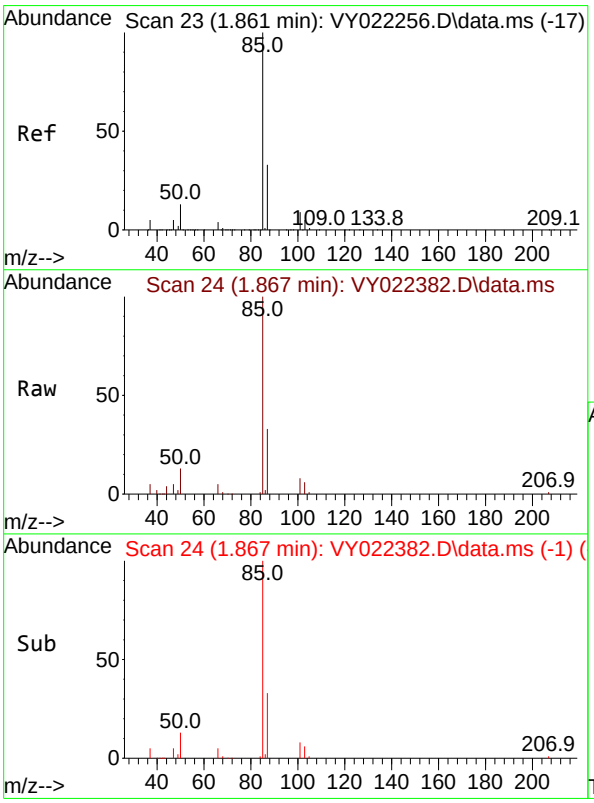
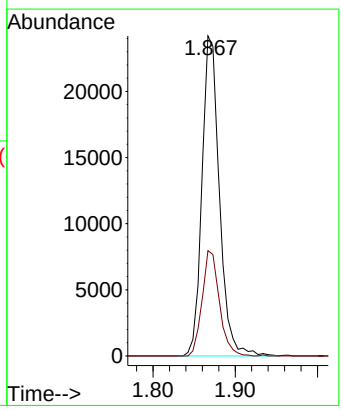
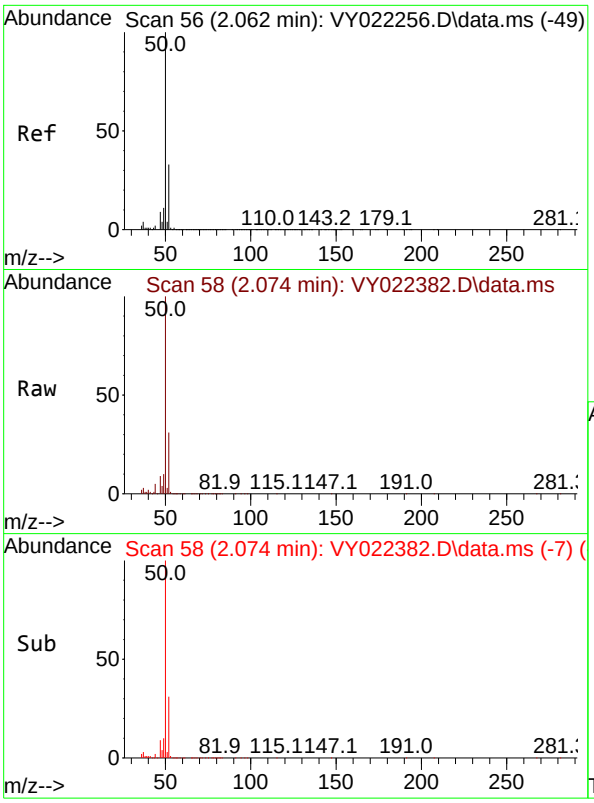


#2
Dichlorodifluoromethane
Concen: 19.595 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 85 Resp: 35700

Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.5	49.5

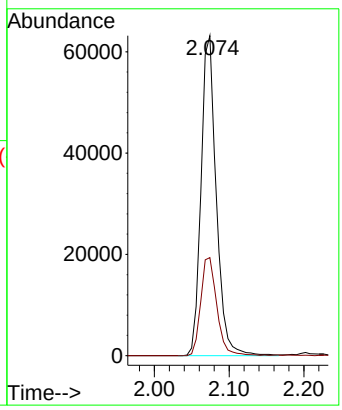




#3
Chloromethane
Concen: 23.334 ug/l
RT: 2.074 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 50 Resp: 8942

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
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Reviewed By :John Carlone 05/23/2025
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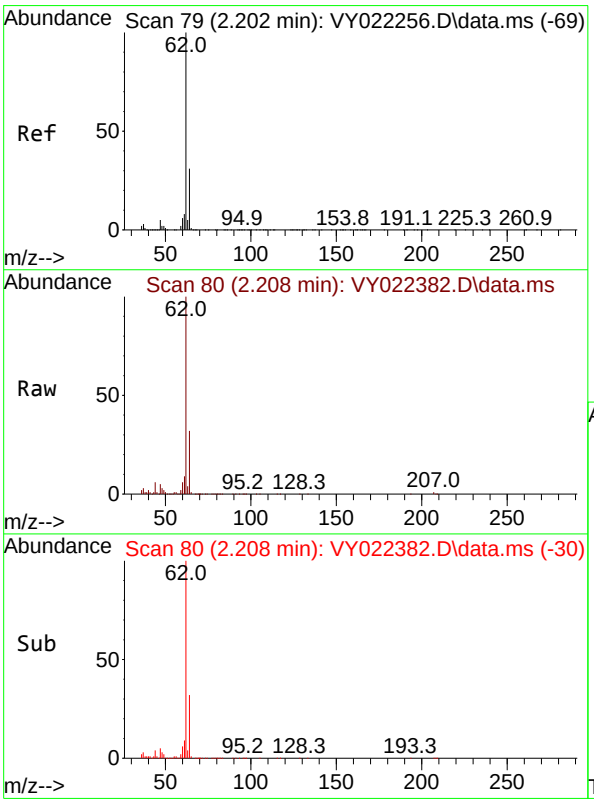
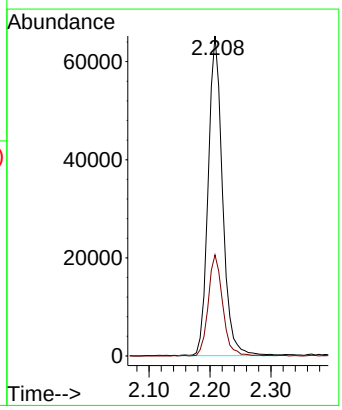
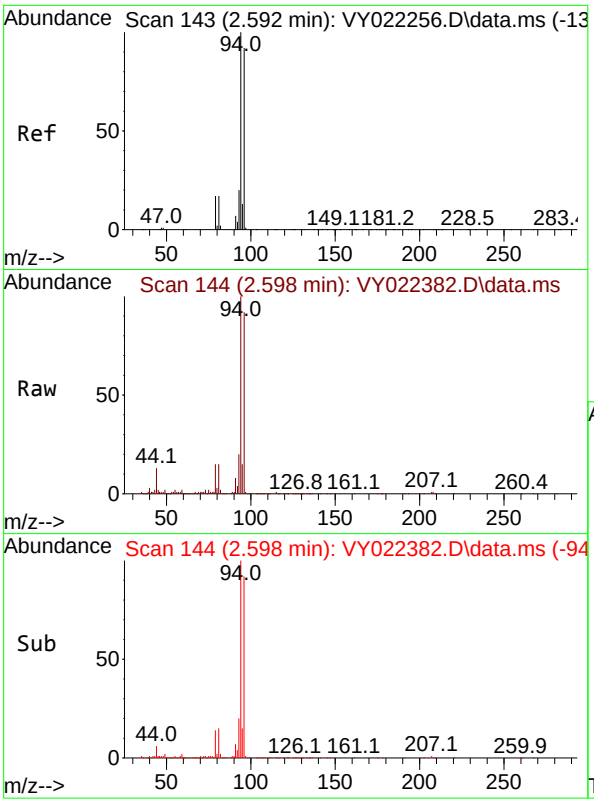


#4
Vinyl Chloride
Concen: 24.892 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 62 Resp: 106584

Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.5	36.7





#5
Bromomethane
Concen: 34.496 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 94 Resp: 12024

Ion	Ratio	Lower	Upper
94	100		
96	91.8	73.4	110.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
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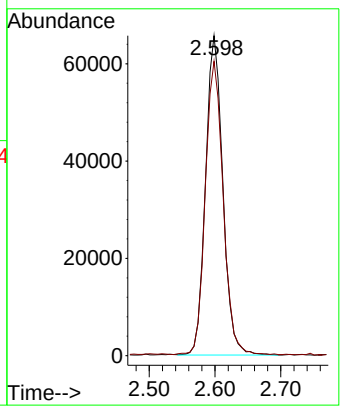
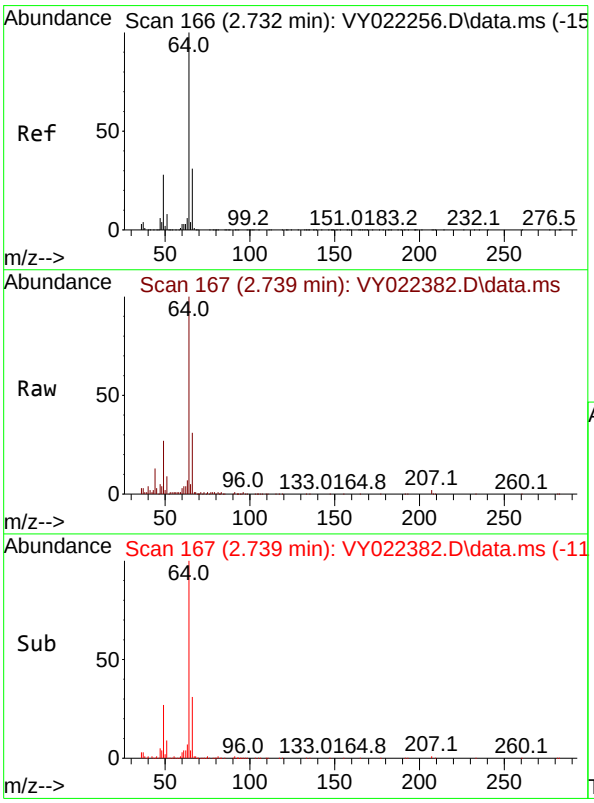
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

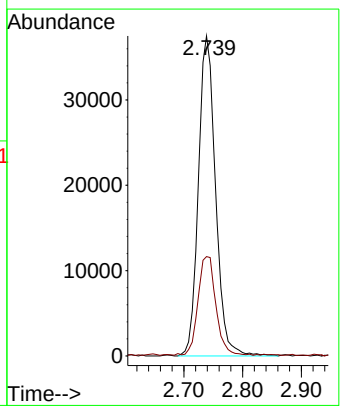


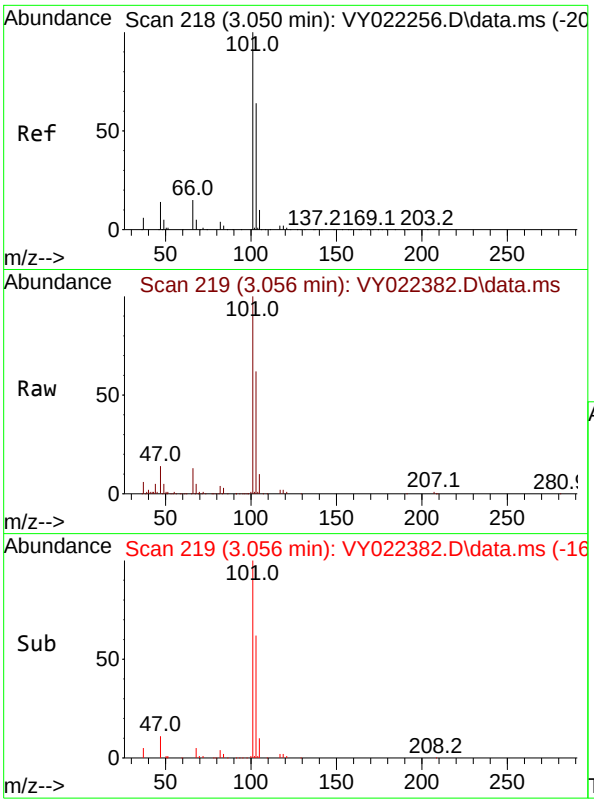


#6
Chloroethane
Concen: 28.516 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 64 Resp: 75963

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.8	37.2





#7
Trichlorofluoromethane
Concen: 23.367 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:101 Resp: 10130

Ion	Ratio	Lower	Upper
101	100		
103	61.7	51.7	77.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
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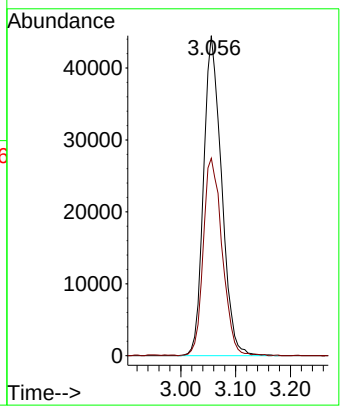
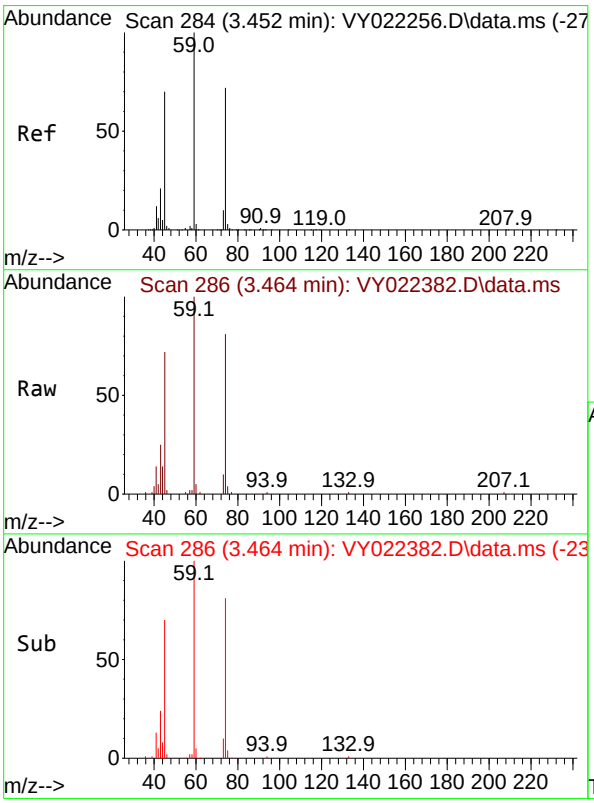
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

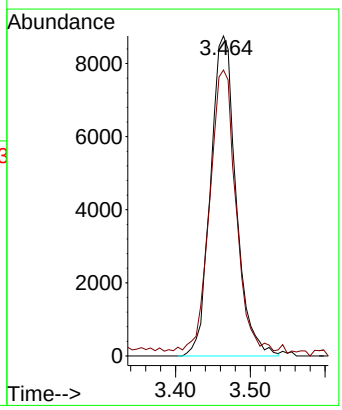


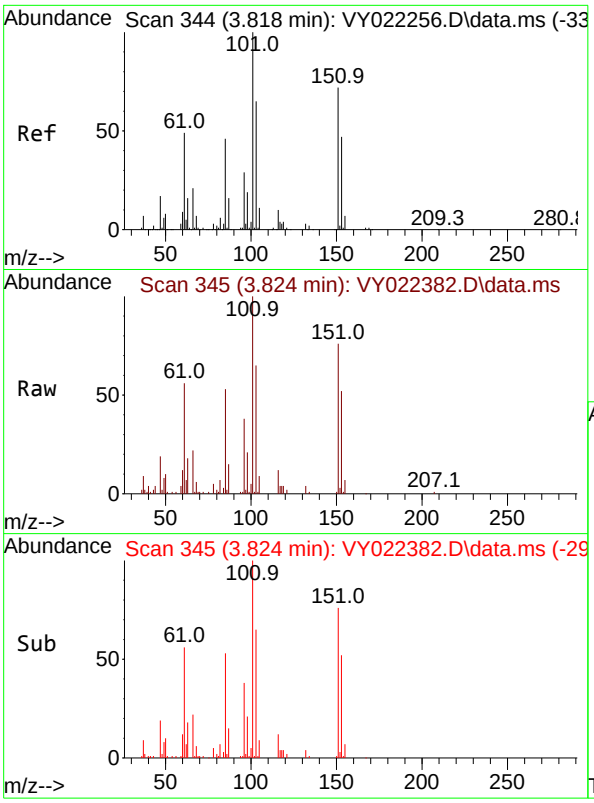


#8
Diethyl Ether
Concen: 19.939 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 74 Resp: 20744

Ion	Ratio	Lower	Upper
74	100		
45	89.0	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.923 ug/l
RT: 3.824 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

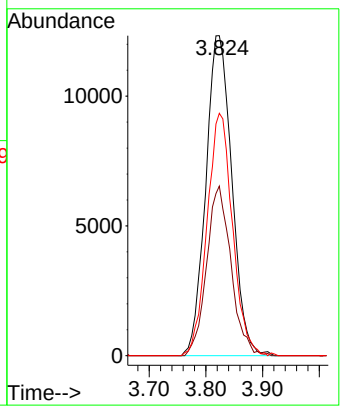
Tgt Ion:101 Resp: 3937

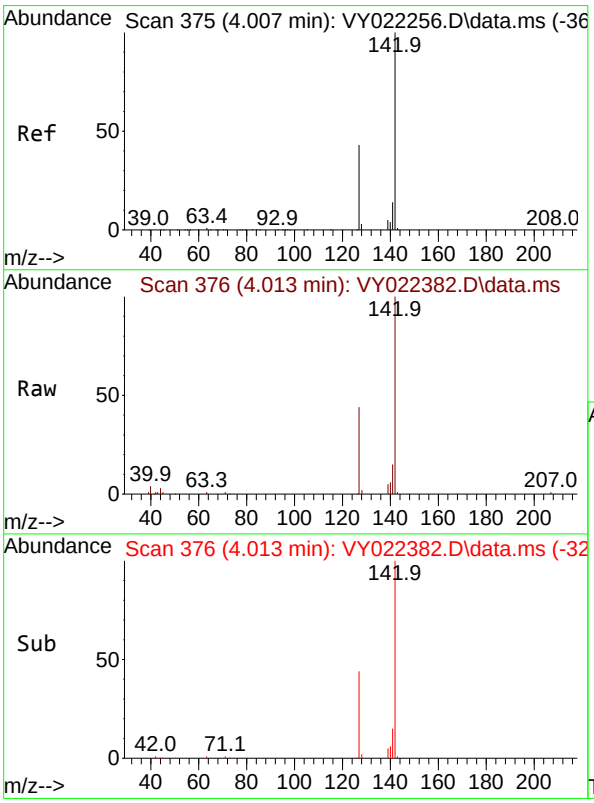
Ion	Ratio	Lower	Upper
101	100		
85	49.6	38.6	58.0
151	73.6	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

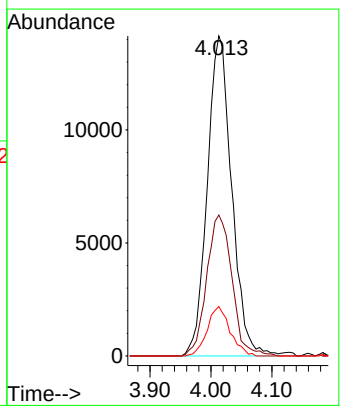


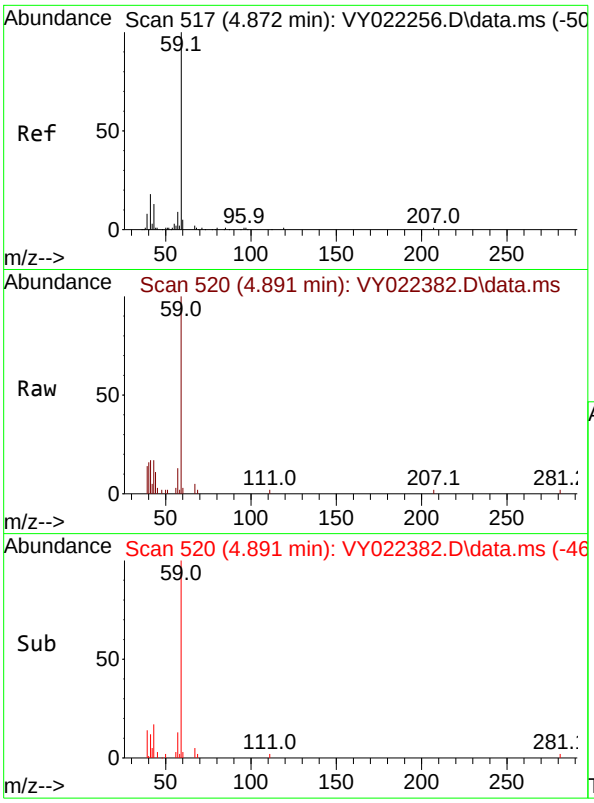


#10
Methyl Iodide
Concen: 18.090 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:142 Resp: 39404

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.7	53.5
141	14.5	11.1	16.7





#11
Tert butyl alcohol
Concen: 95.339 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.018 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 59 Resp: 1389

Ion	Ratio	Lower	Upper
59	100		
57	6.7	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

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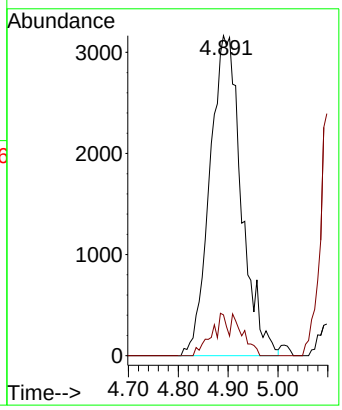
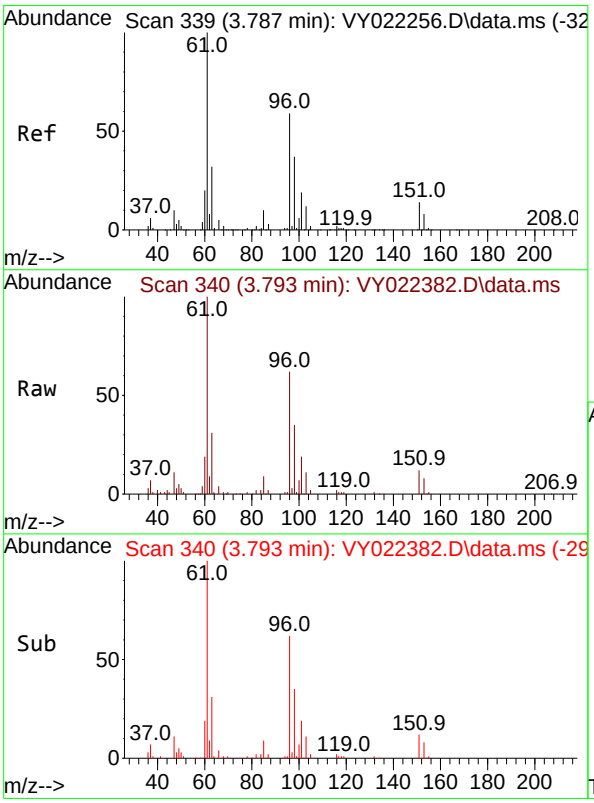
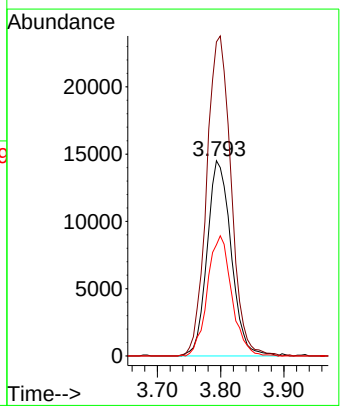


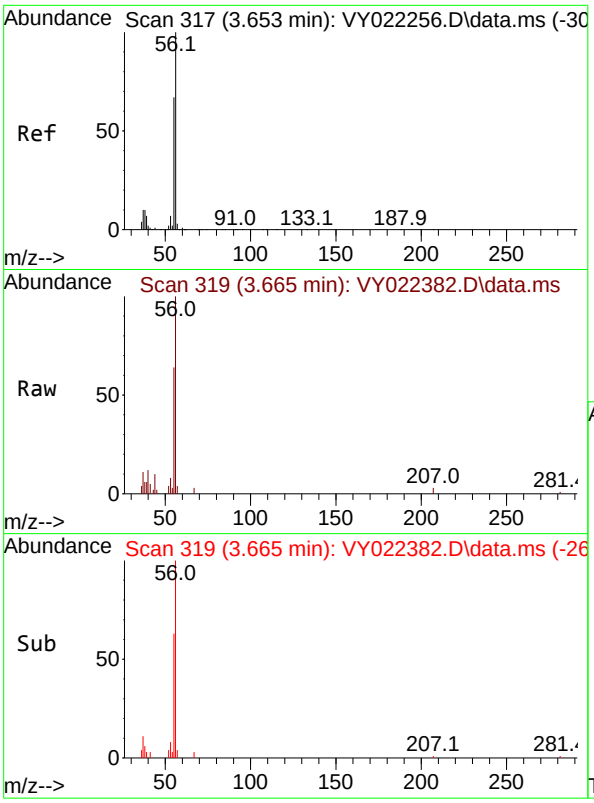


#12
1,1-Dichloroethene
Concen: 20.476 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 96 Resp: 38242

Ion	Ratio	Lower	Upper
96	100		
61	160.9	134.9	202.3
98	57.0	49.9	74.9

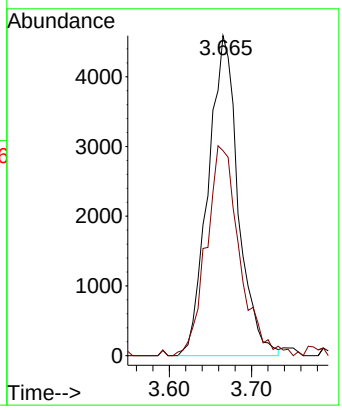




#13
Acrolein
Concen: 54.771 ug/l
RT: 3.665 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 56 Resp: 1166

Ion	Ratio	Lower	Upper
56	100		
55	72.3	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/23/2025
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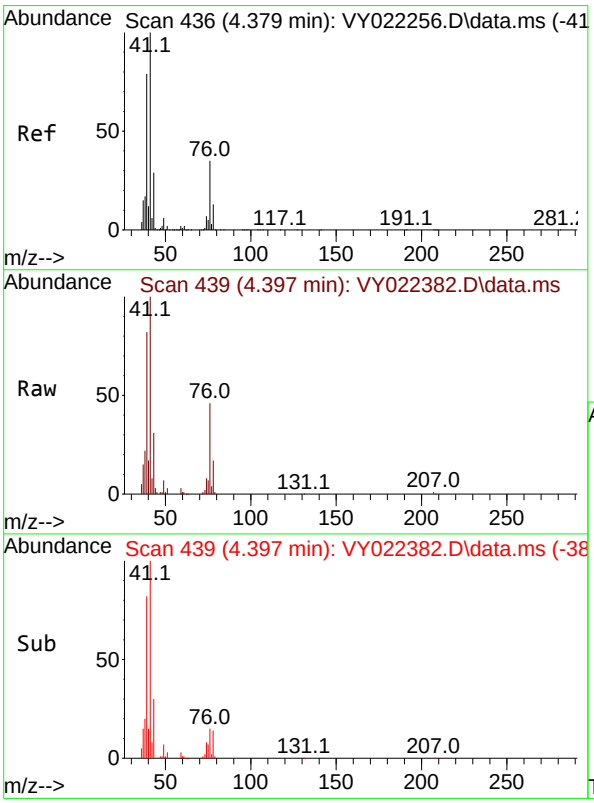
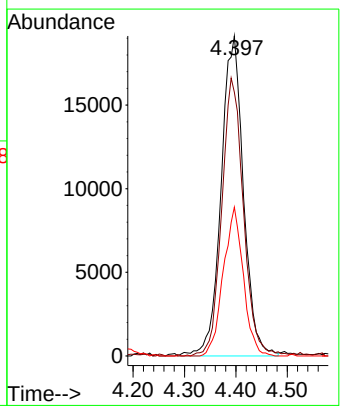
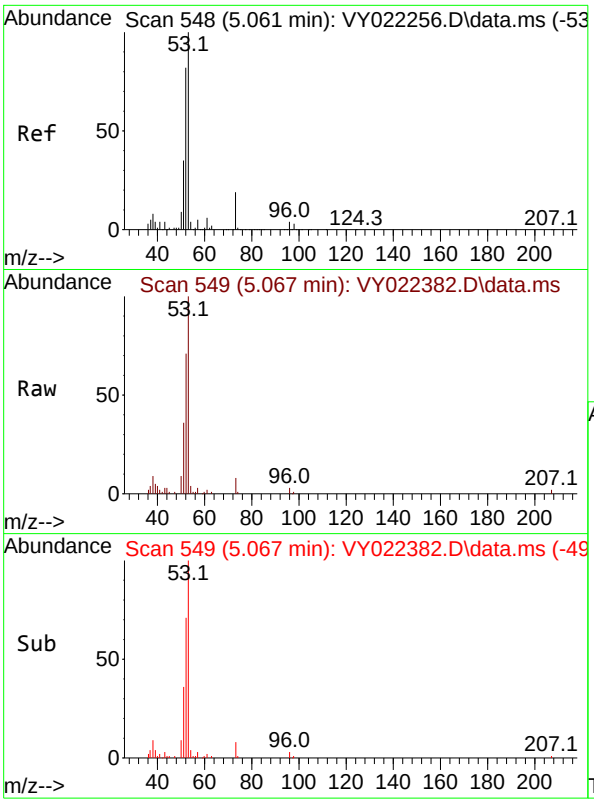


#14
Allyl chloride
Concen: 17.650 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.018 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 41 Resp: 57800

Ion	Ratio	Lower	Upper
41	100		
39	84.4	63.4	95.0
76	41.7	29.5	44.3

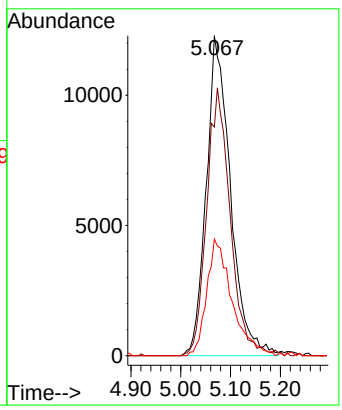




#15
Acrylonitrile
Concen: 96.604 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 53 Resp: 4141

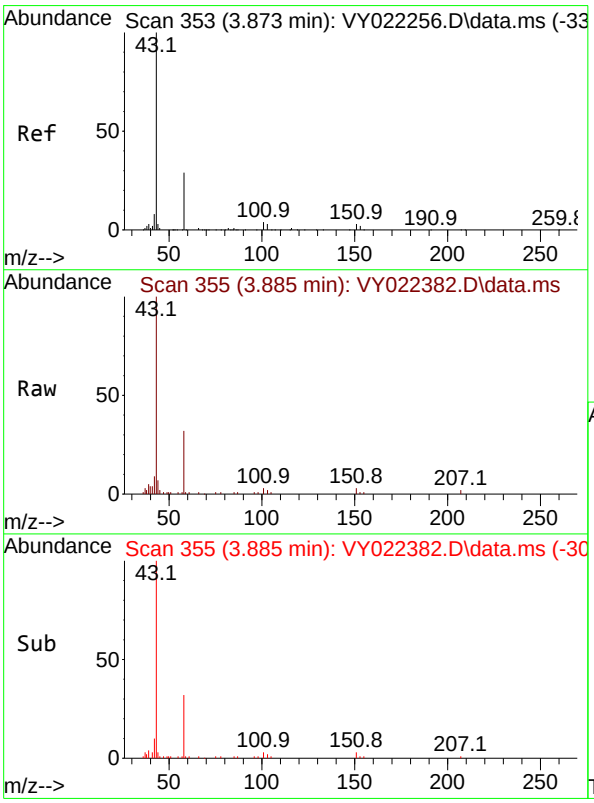
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.1	99.1
51	38.2	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

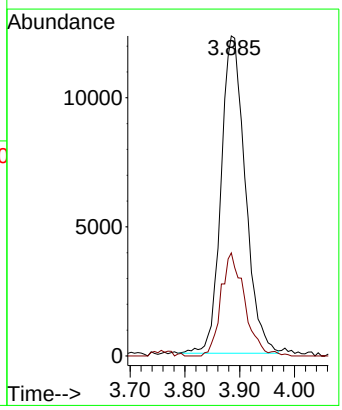
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

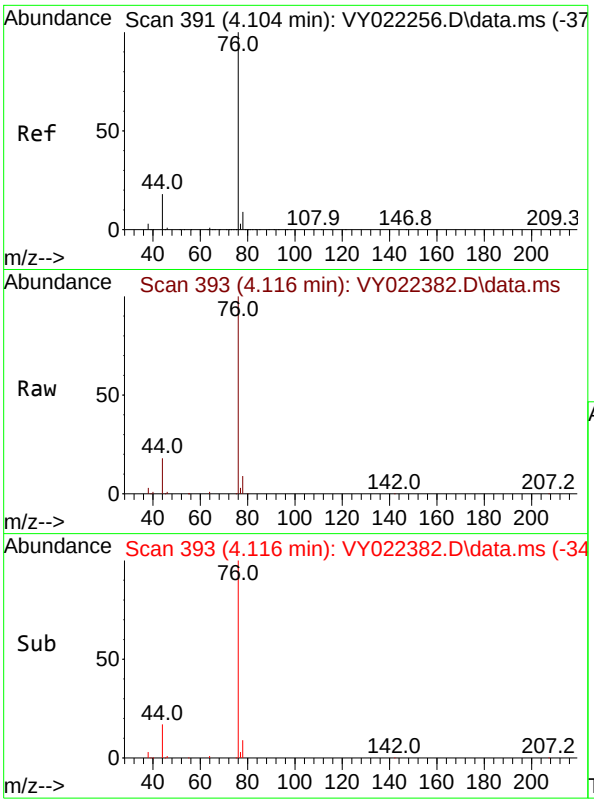


#16
Acetone
Concen: 105.597 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 37784

Ion	Ratio	Lower	Upper
43	100		
58	31.9	23.6	35.4

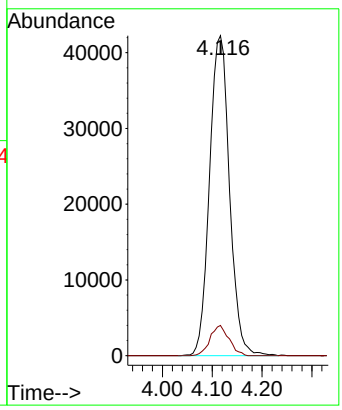




#17
Carbon Disulfide
Concen: 19.304 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 76 Resp: 11756

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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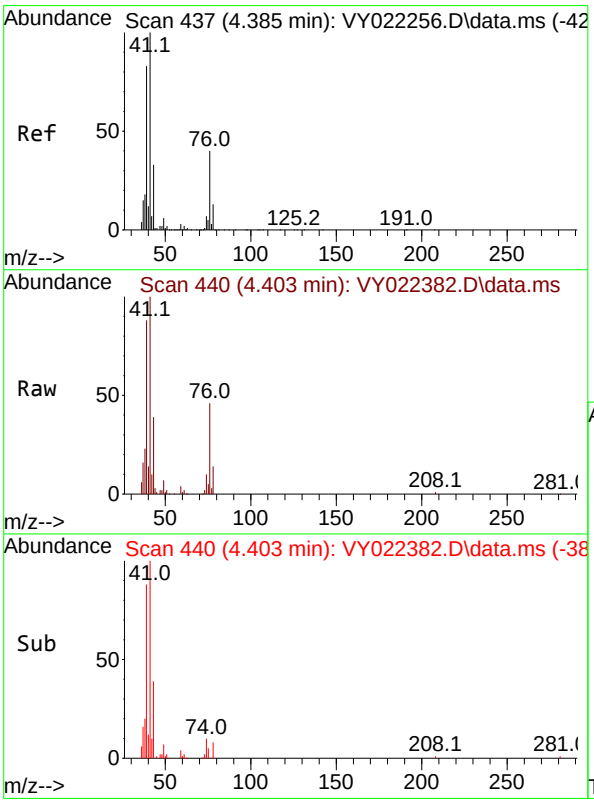
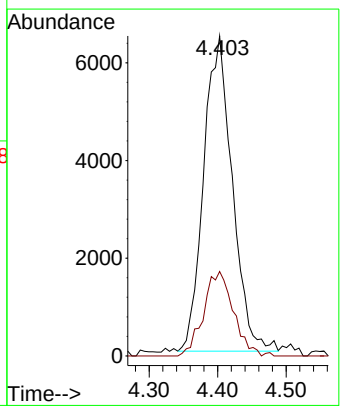
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

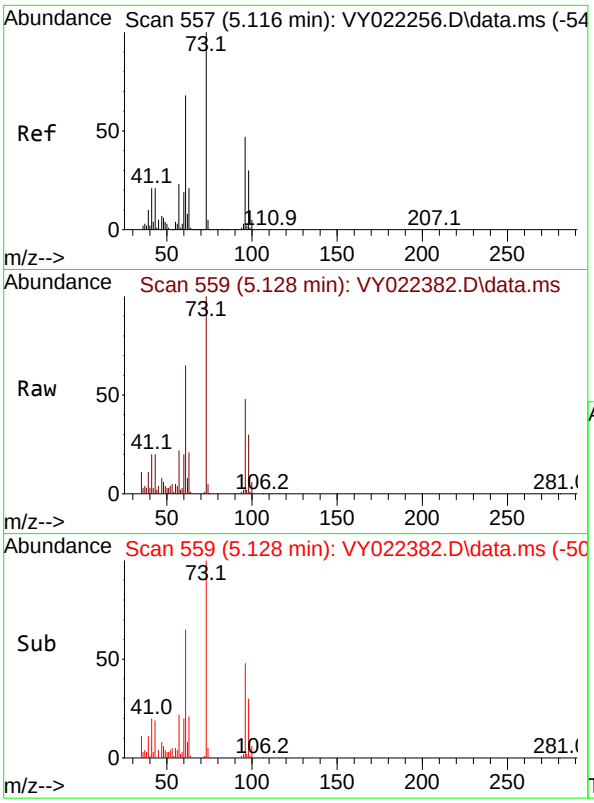


#18
Methyl Acetate
Concen: 16.605 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 18733

Ion	Ratio	Lower	Upper
43	100		
74	27.9	18.2	27.4#

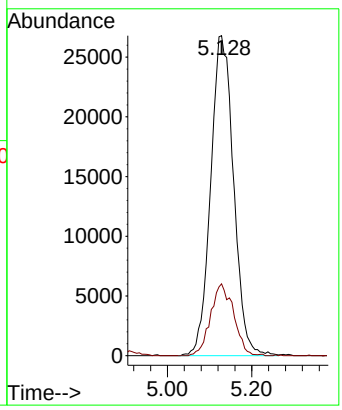




#19
Methyl tert-butyl Ether
Concen: 19.601 ug/l
RT: 5.128 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 73 Resp: 10094

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
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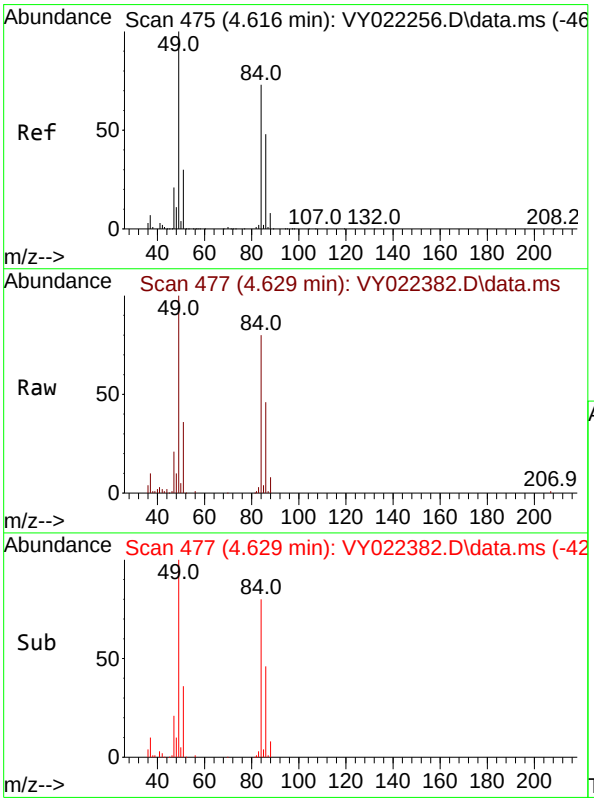
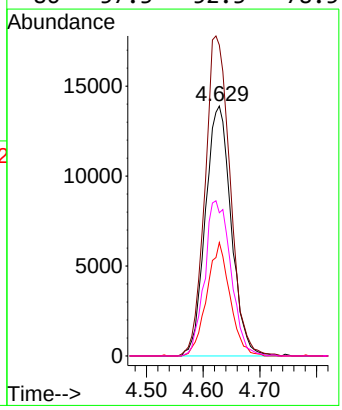
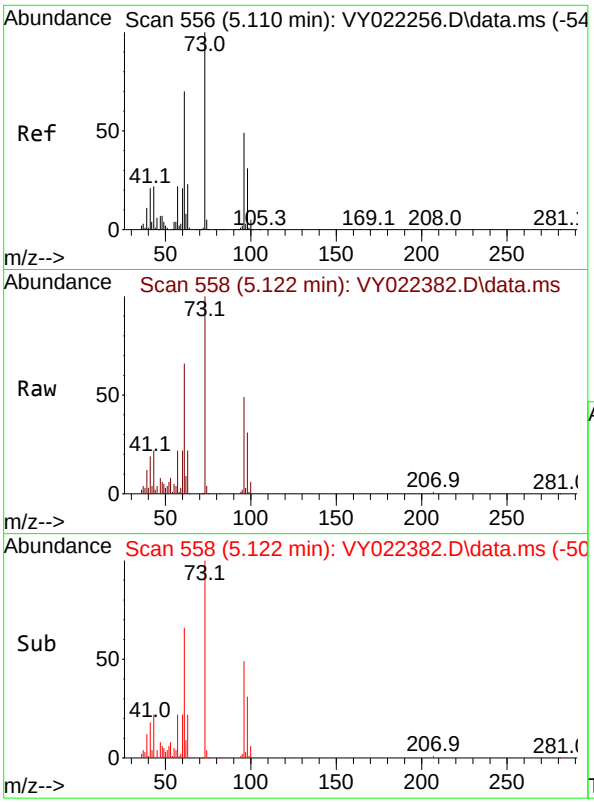


#20
Methylene Chloride
Concen: 18.952 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 84 Resp: 43819

Ion	Ratio	Lower	Upper
84	100		
49	124.4	109.6	164.4
51	45.3	32.4	48.6
86	57.3	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 19.717 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 96 Resp: 4064

Ion	Ratio	Lower	Upper
96	100		
61	133.2	113.4	170.0
98	63.9	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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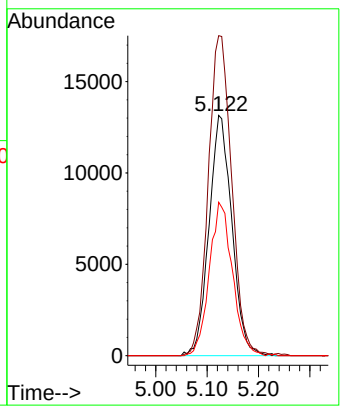
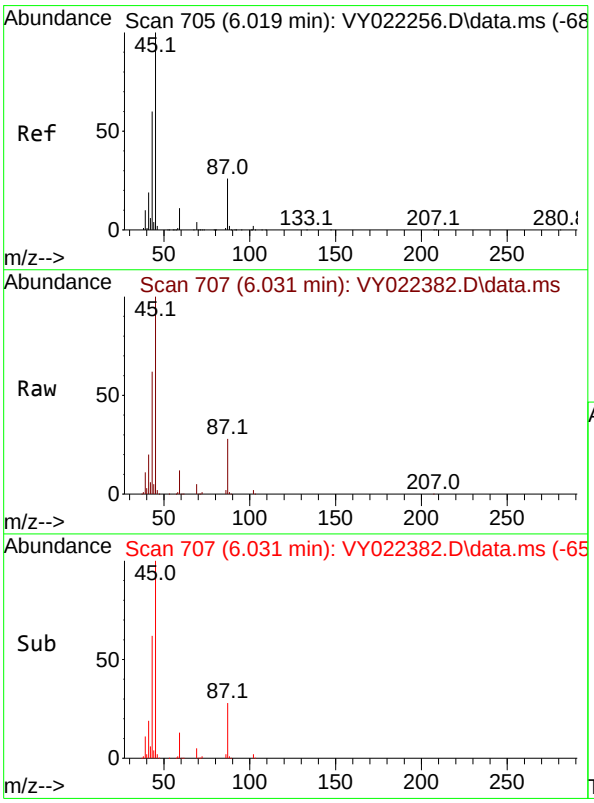
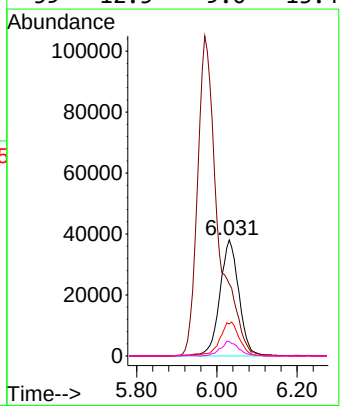


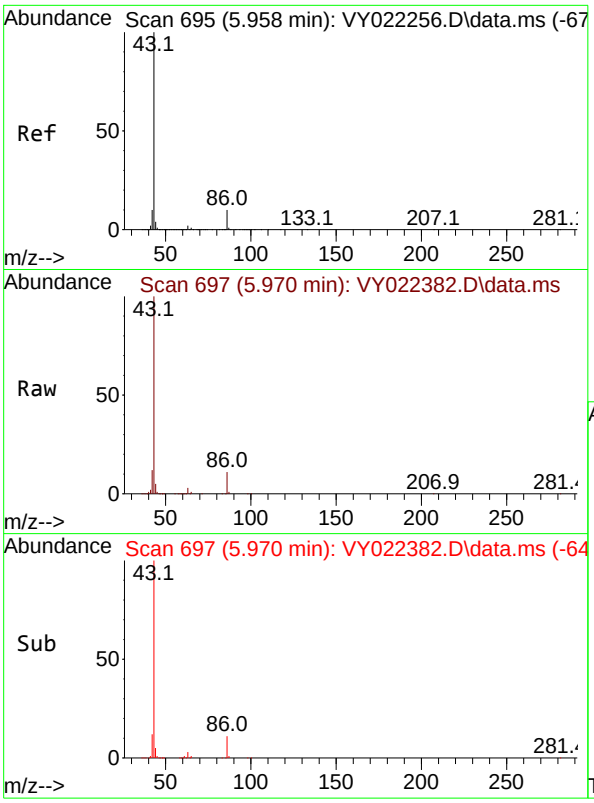


#22
Diisopropyl ether
Concen: 18.055 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 45 Resp: 124864

Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.2	72.2
87	27.6	21.4	32.0
59	12.5	9.0	13.4





#23
Vinyl Acetate
Concen: 88.742 ug/l
RT: 5.970 min Scan# 6
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 37076

Ion	Ratio	Lower	Upper
43	100		
86	11.3	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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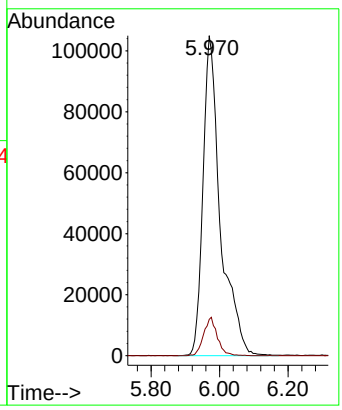
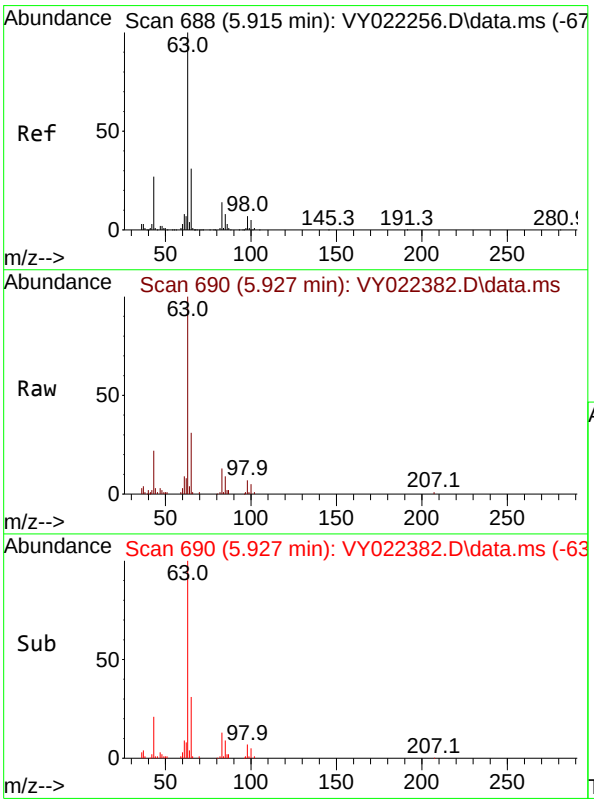
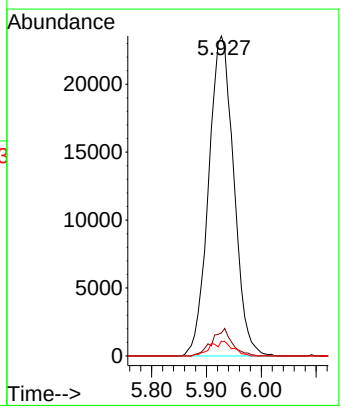


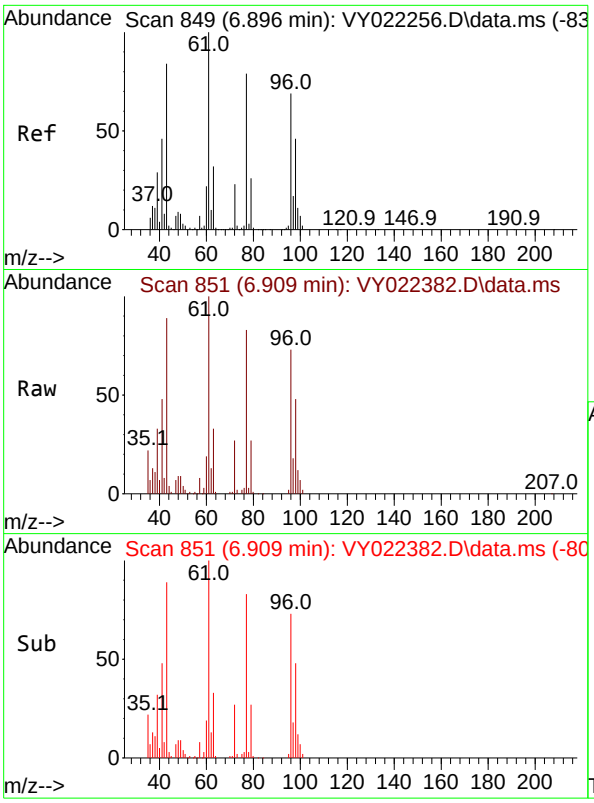


#24
1,1-Dichloroethane
Concen: 19.421 ug/l
RT: 5.927 min Scan# 690
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 63 Resp: 75035

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.5
100	4.6	2.4	7.2





#25
2-Butanone
Concen: 95.421 ug/l
RT: 6.909 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 5711

Ion	Ratio	Lower	Upper
43	100		
72	30.2	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
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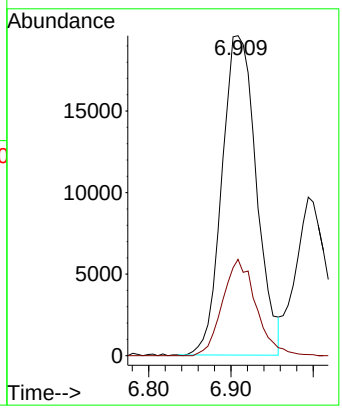
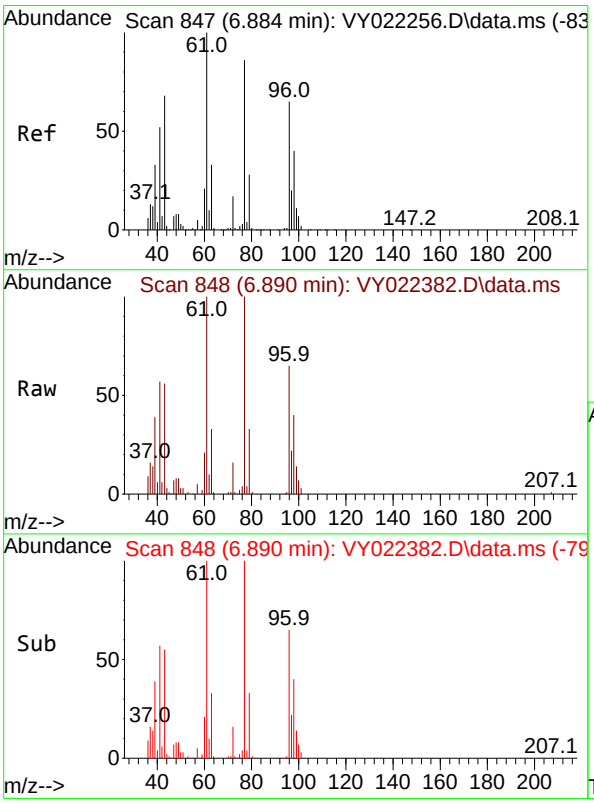
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

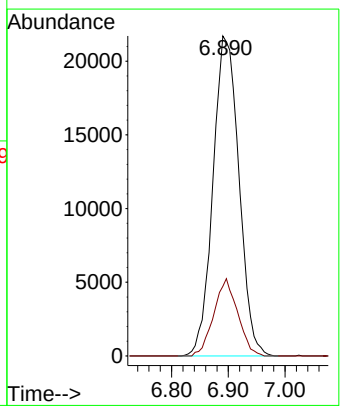


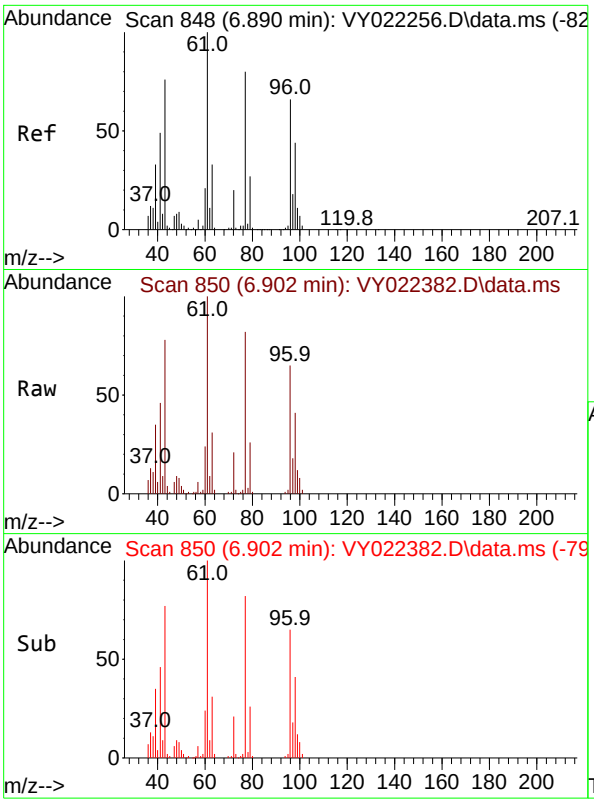


#26
2,2-Dichloropropane
Concen: 20.103 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 77 Resp: 69084

Ion	Ratio	Lower	Upper
77	100		
97	22.3	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 19.861 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 96 Resp: 4724

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	302.6
98	63.4	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
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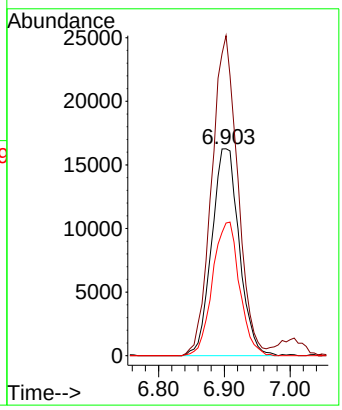
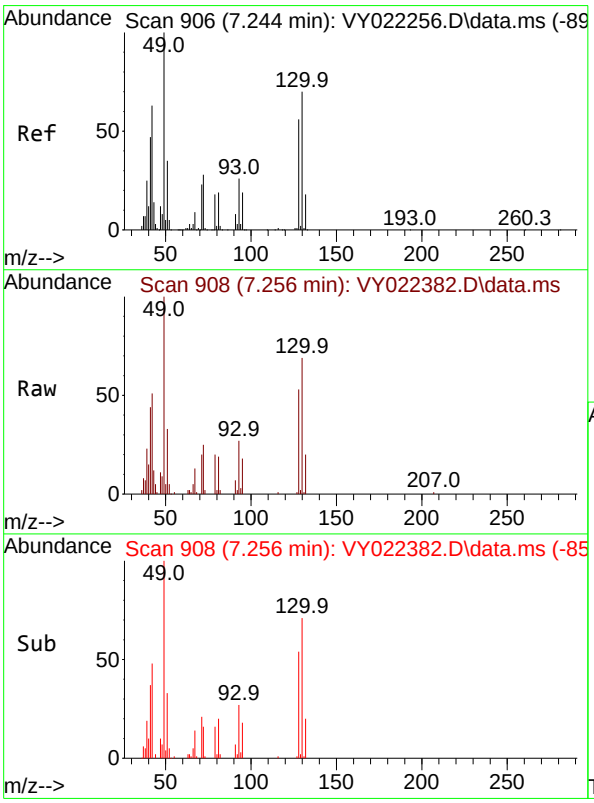
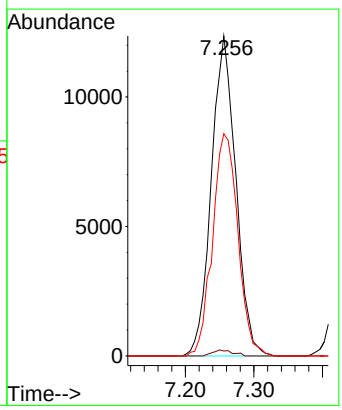


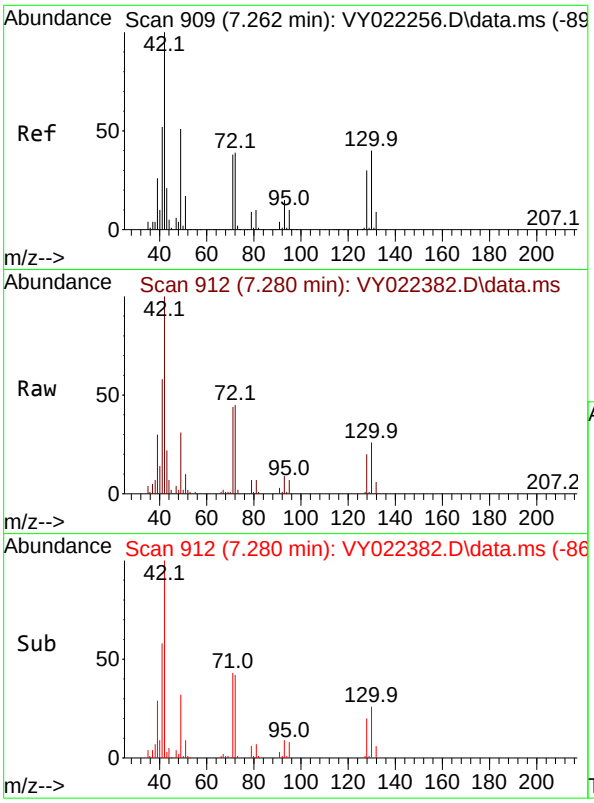


#28
Bromochloromethane
Concen: 18.573 ug/l
RT: 7.256 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 49 Resp: 30609

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.6
130	72.1	54.7	82.1





#29
Tetrahydrofuran
Concen: 92.280 ug/l
RT: 7.280 min Scan# 9
Delta R.T. 0.018 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 42 Resp: 3553

Ion	Ratio	Lower	Upper
42	100		
72	44.5	33.8	50.6
71	44.0	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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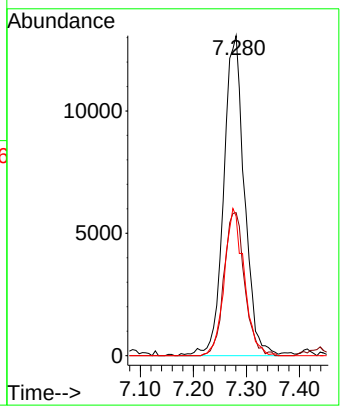
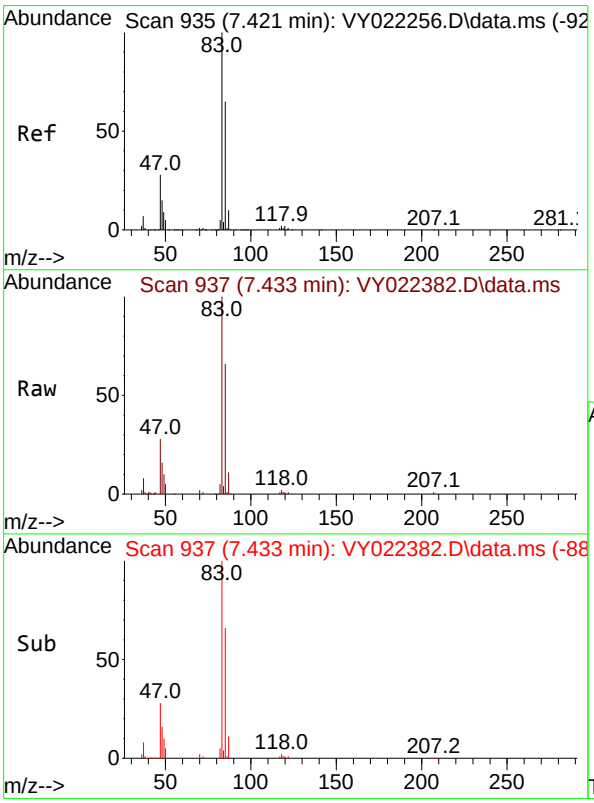
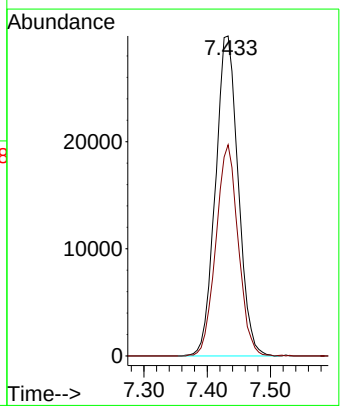


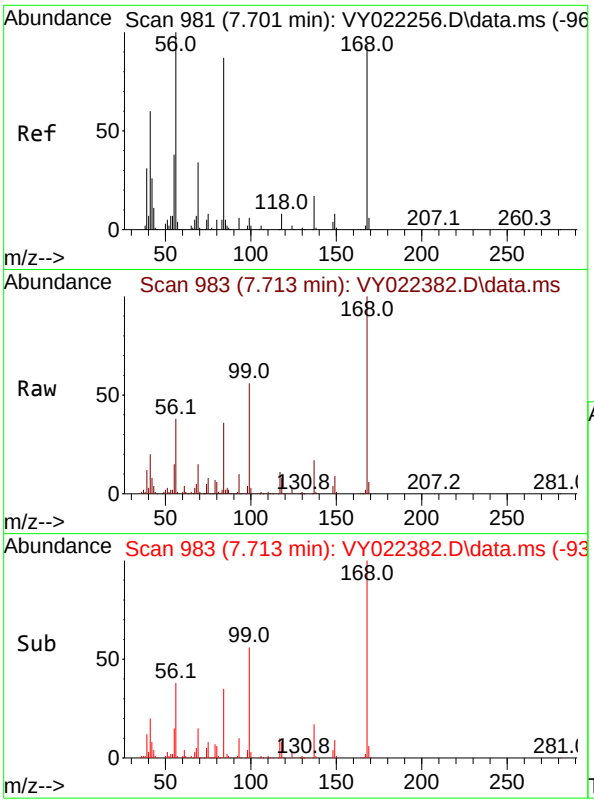


#30
Chloroform
Concen: 20.111 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 83 Resp: 74530

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8





#31
Cyclohexane
Concen: 18.653 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 56 Resp: 7200

Ion	Ratio	Lower	Upper
56	100		
69	39.5	27.4	41.2
84	91.1	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
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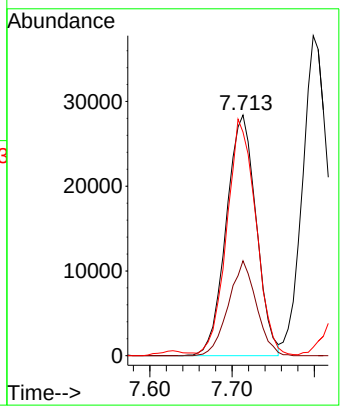
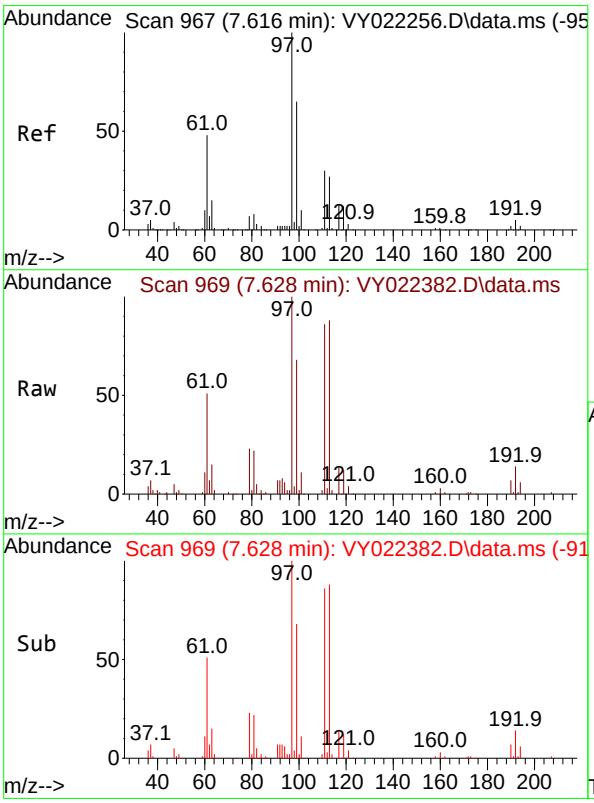
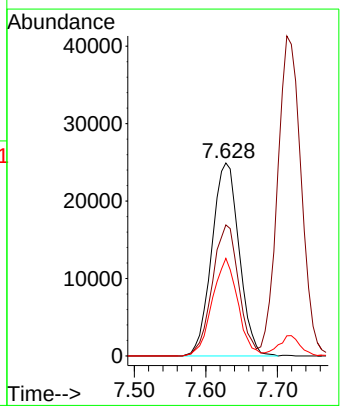


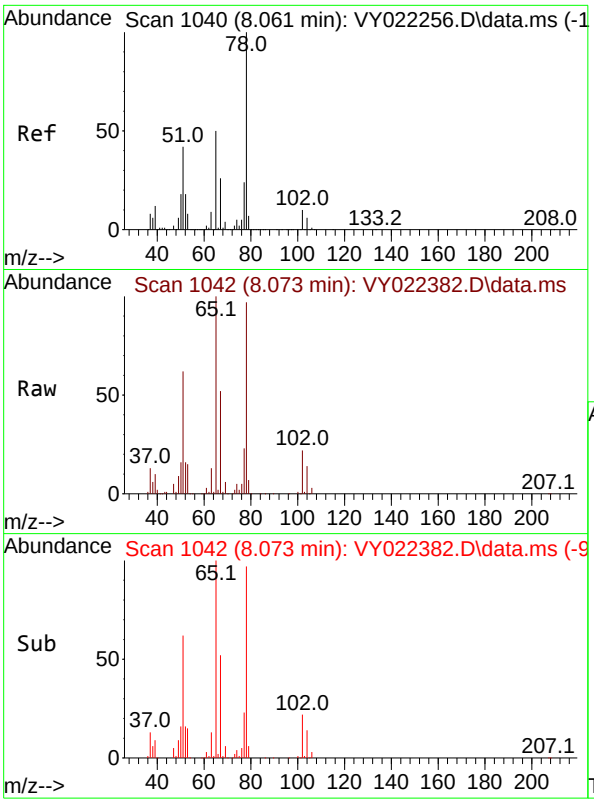


#32
1,1,1-Trichloroethane
Concen: 19.472 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 97 Resp: 66206

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	47.2	38.1	57.1

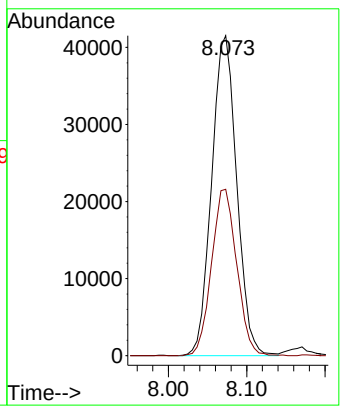




#33
1,2-Dichloroethane-d4
Concen: 48.376 ug/l
RT: 8.073 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 65 Resp: 9231

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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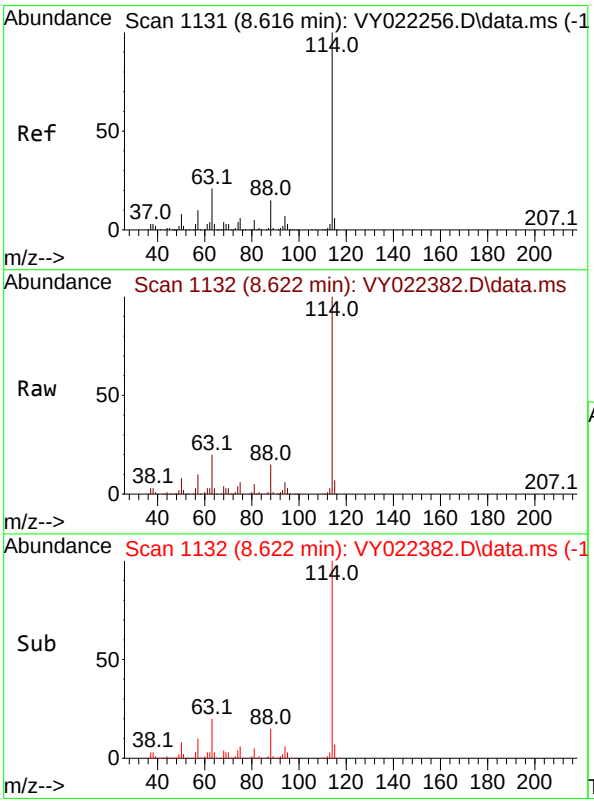
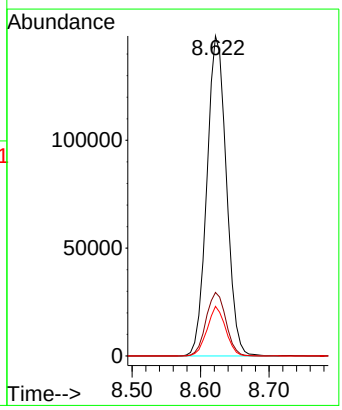
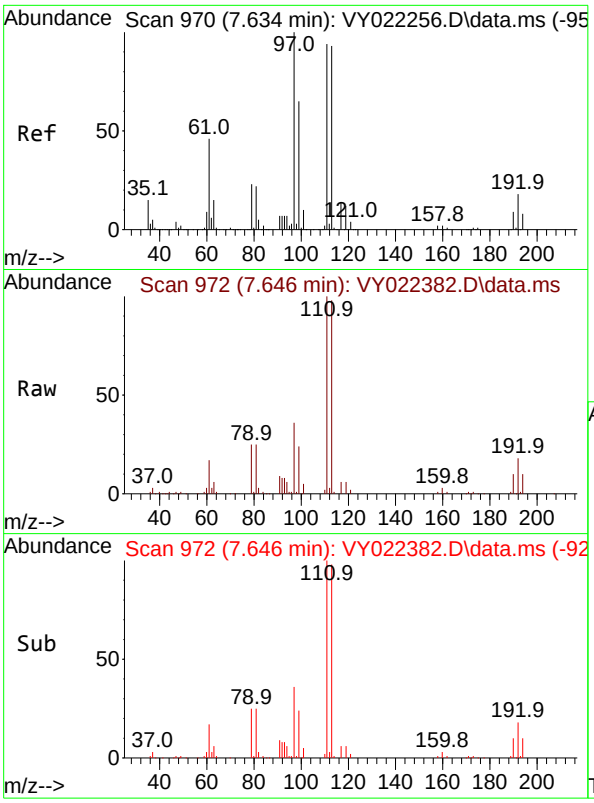


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:114 Resp: 293942

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.0
88	15.5	0.0	29.4

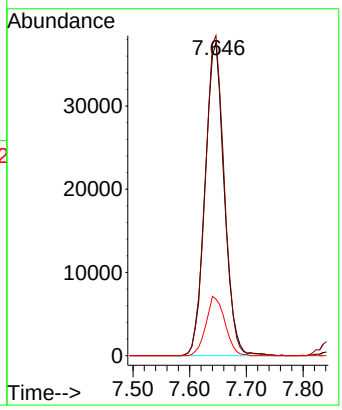




#35
Dibromofluoromethane
Concen: 50.291 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:113 Resp: 8823

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	18.8	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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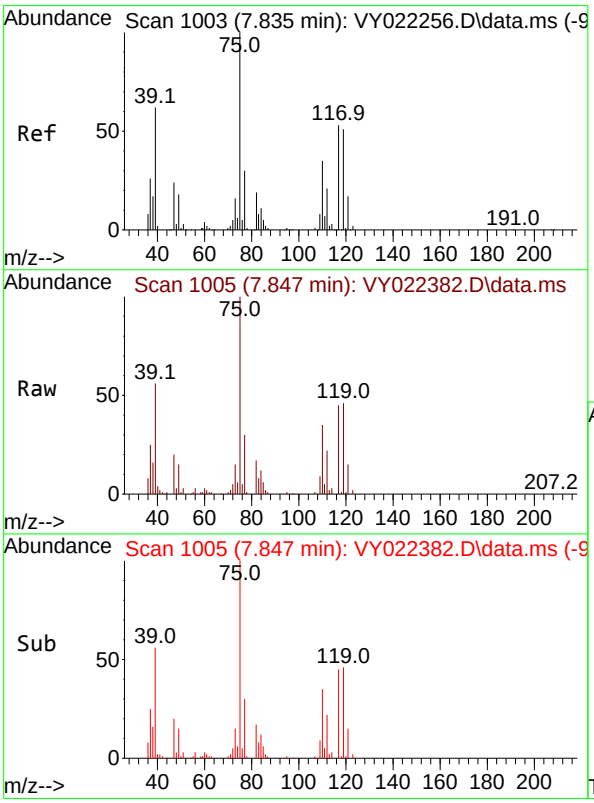
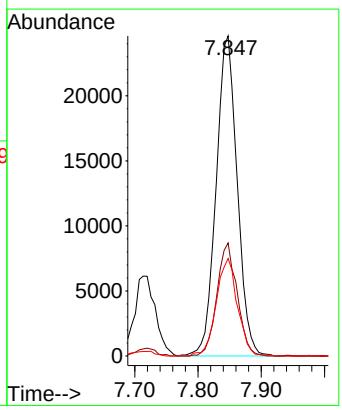
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

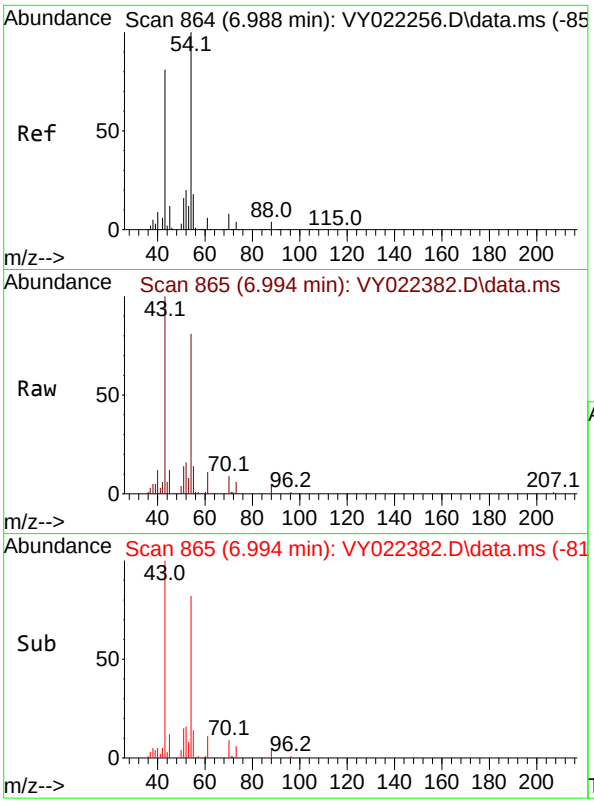


#36
1,1-Dichloropropene
Concen: 19.702 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 75 Resp: 56933

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.6	49.8
77	30.6	24.6	37.0

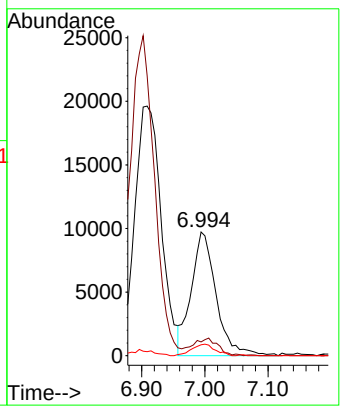




#37
Ethyl Acetate
Concen: 19.234 ug/l
RT: 6.994 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 2674

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.2	15.2
70	8.7	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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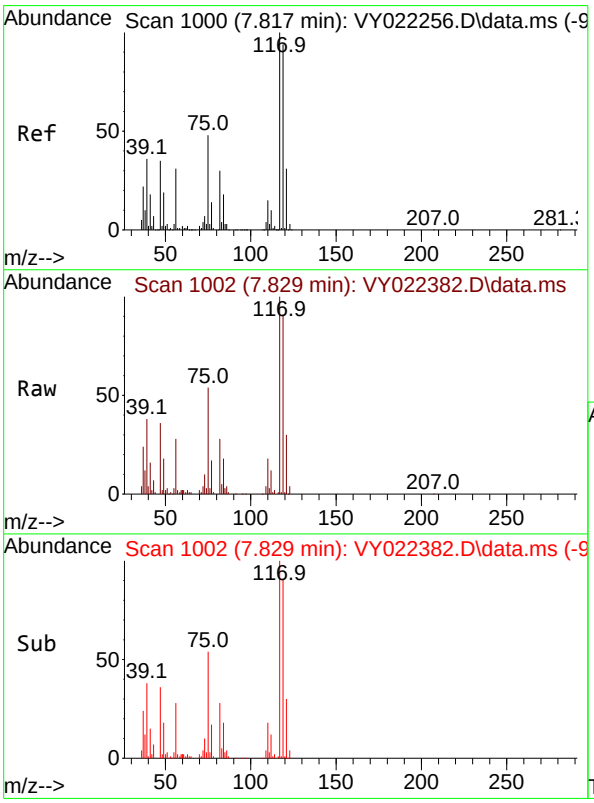
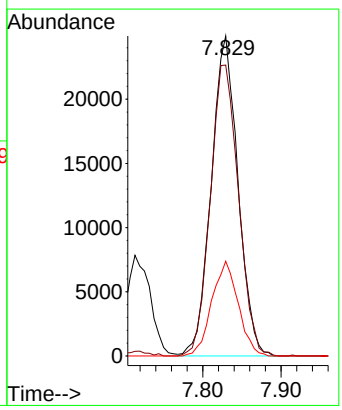
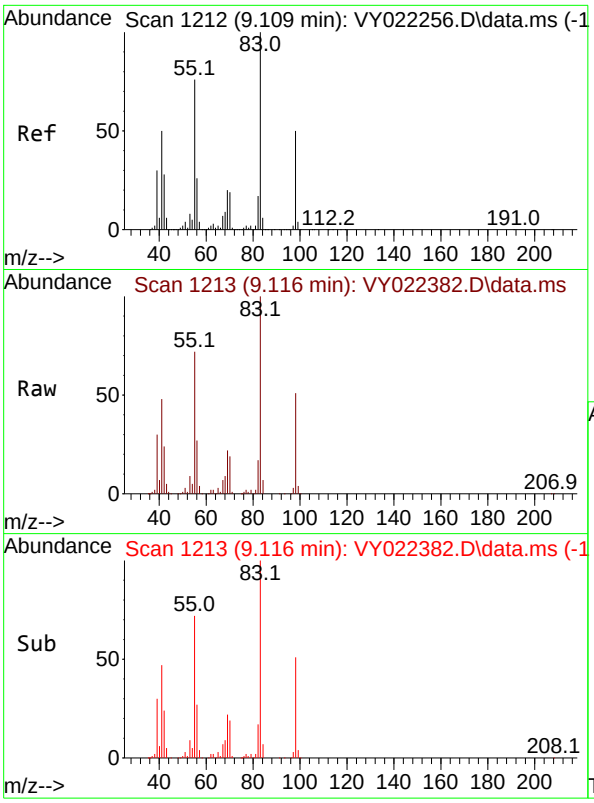


#38
Carbon Tetrachloride
Concen: 19.771 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:117 Resp: 59138

Ion	Ratio	Lower	Upper
117	100		
119	90.9	75.3	112.9
121	29.6	24.7	37.1





#39
Methylcyclohexane
Concen: 19.151 ug/l
RT: 9.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 83 Resp: 7434

Ion	Ratio	Lower	Upper
83	100		
55	72.2	60.6	90.8
98	50.7	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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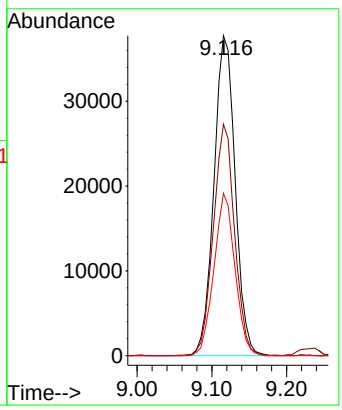
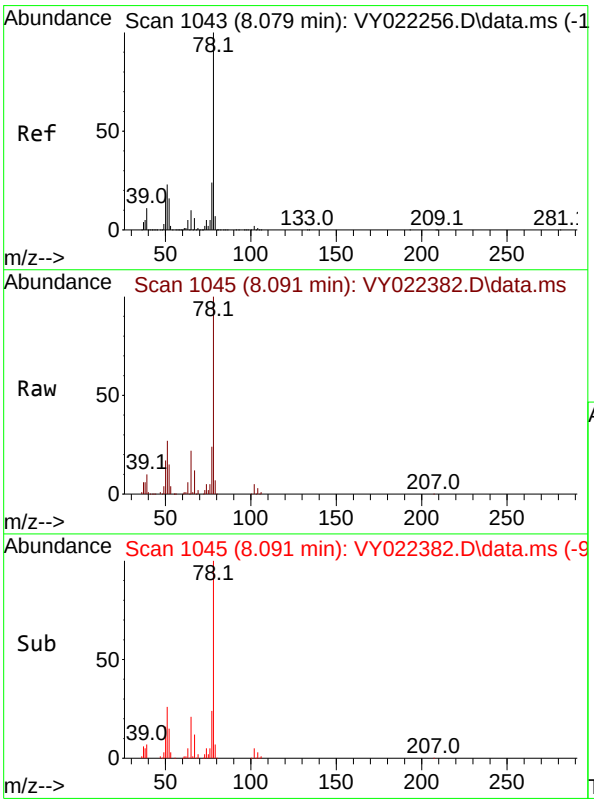
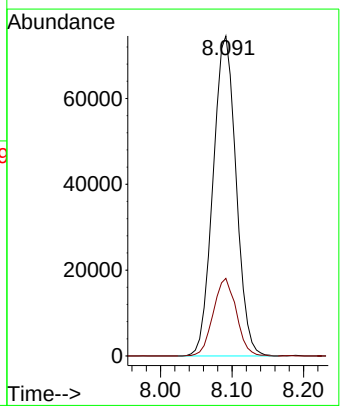


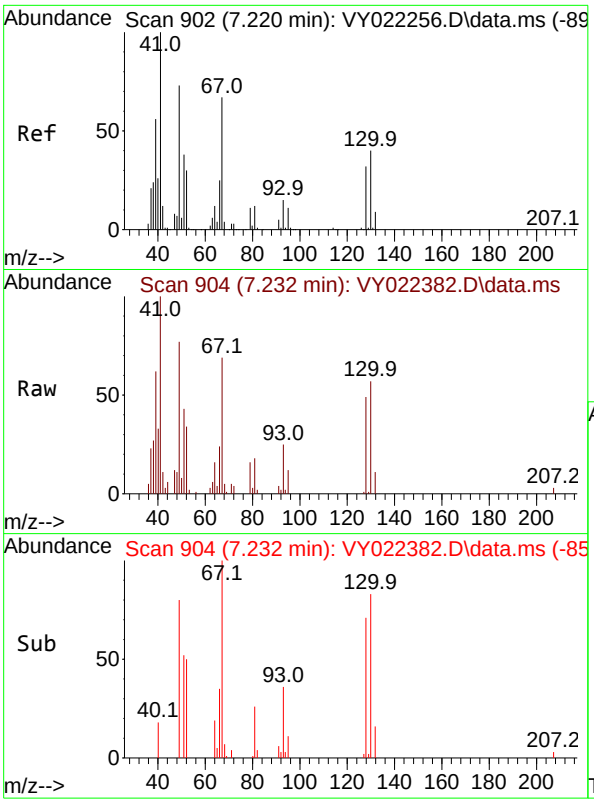


#40
Benzene
Concen: 19.508 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 78 Resp: 167114

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.9	28.3

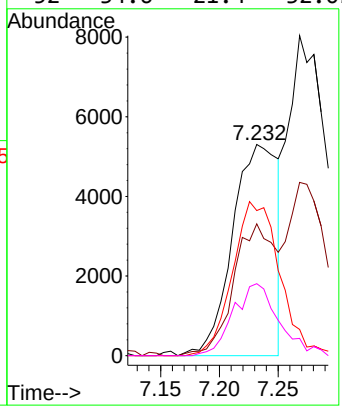




#41
Methacrylonitrile
Concen: 15.333 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 41 Resp: 1414

Ion	Ratio	Lower	Upper
41	100		
39	57.8	39.1	58.7
67	76.4	47.1	70.7#
52	34.6	21.4	32.0#



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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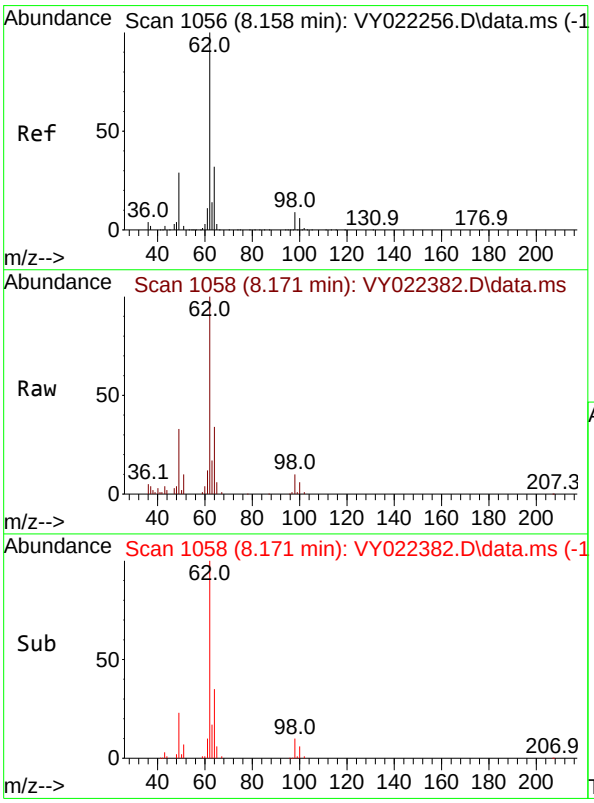
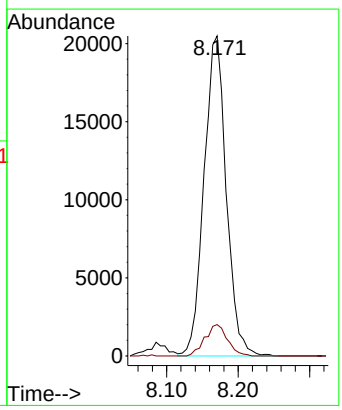
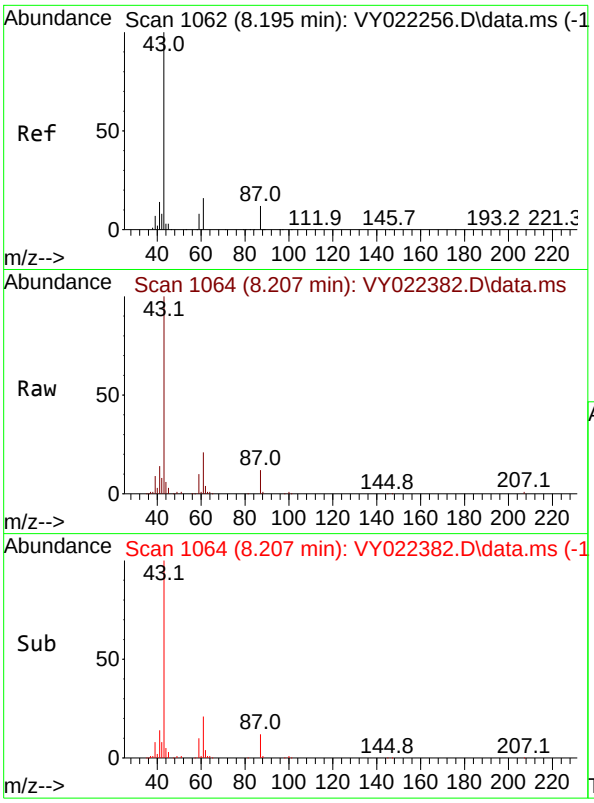


#42
1,2-Dichloroethane
Concen: 19.081 ug/l
RT: 8.171 min Scan# 1058
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 62 Resp: 44204

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4

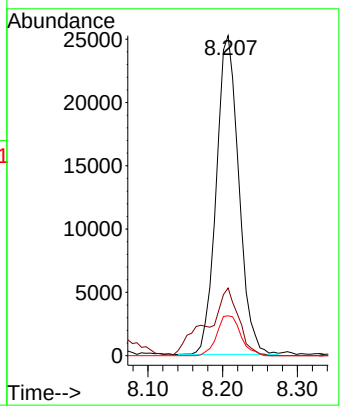




#43
Isopropyl Acetate
Concen: 17.427 ug/l
RT: 8.207 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 5284

Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.1	22.7
87	13.2	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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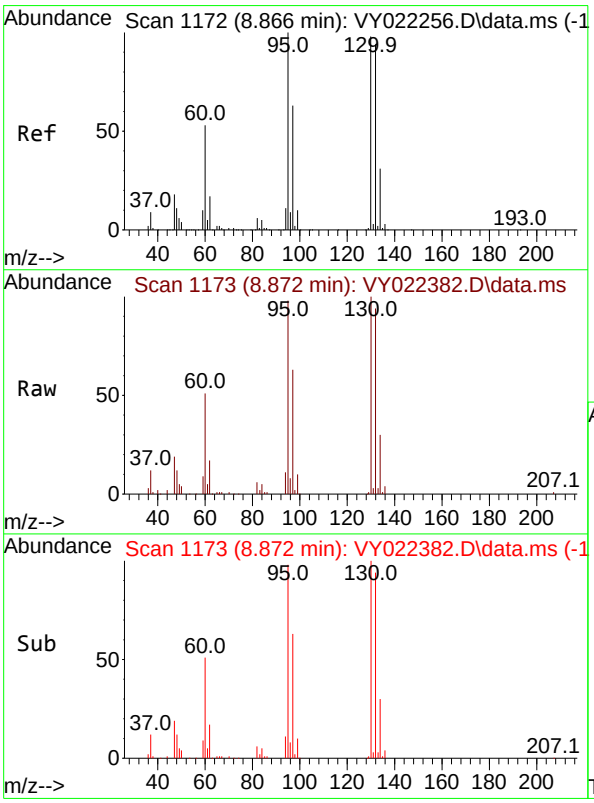
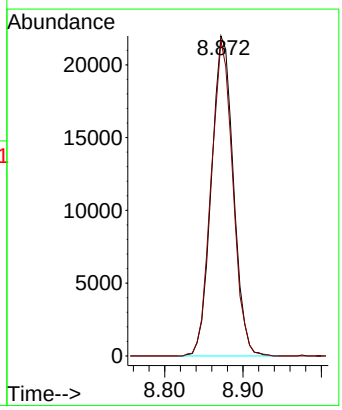
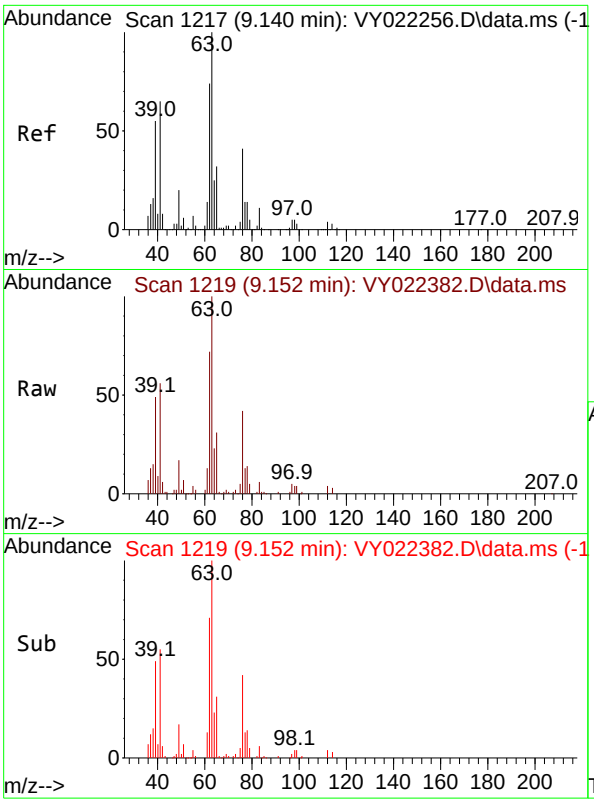


#44
Trichloroethene
Concen: 20.109 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:130 Resp: 42833

Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	204.8





#45
1,2-Dichloropropane
Concen: 19.081 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 63 Resp: 3940

Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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Reviewed By :John Carlone 05/23/2025
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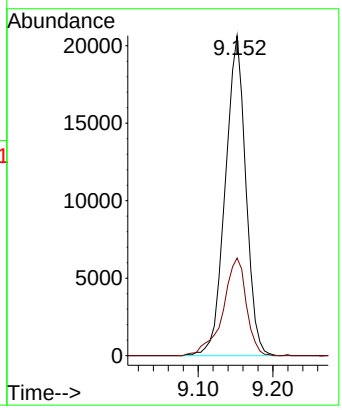
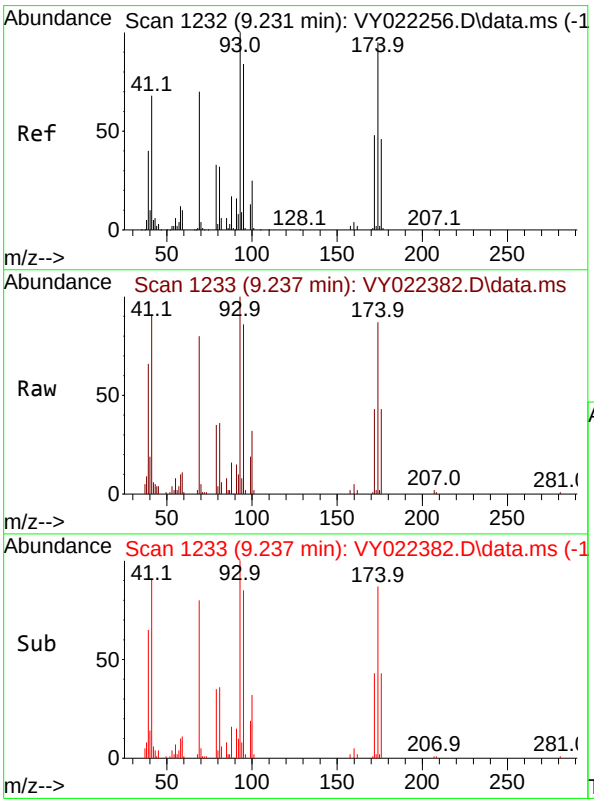
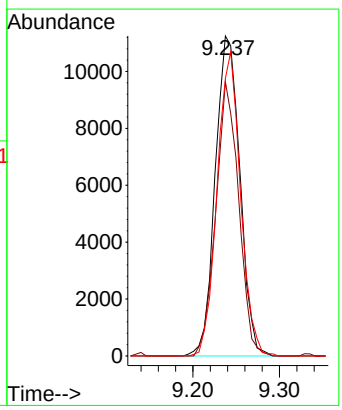


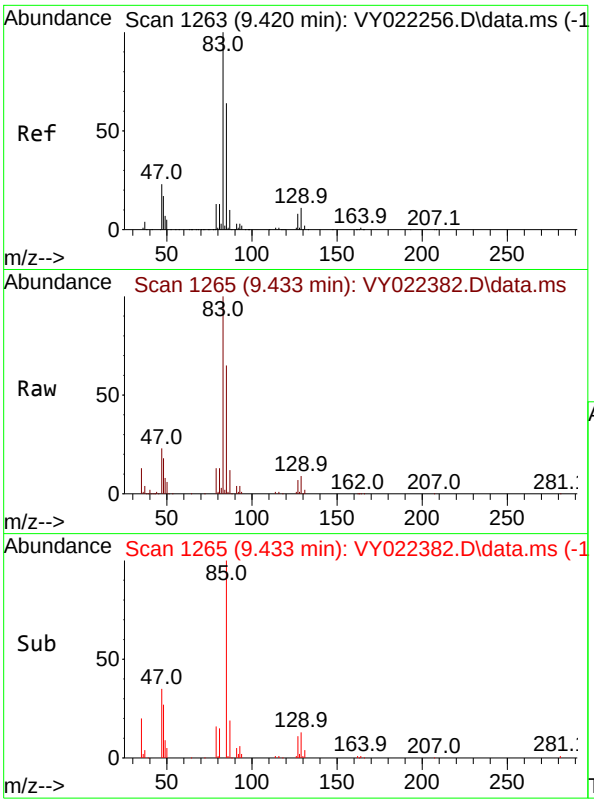


#46
Dibromomethane
Concen: 19.905 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 93 Resp: 22173

Ion	Ratio	Lower	Upper
93	100		
95	79.5	65.2	97.8
174	90.2	74.3	111.5

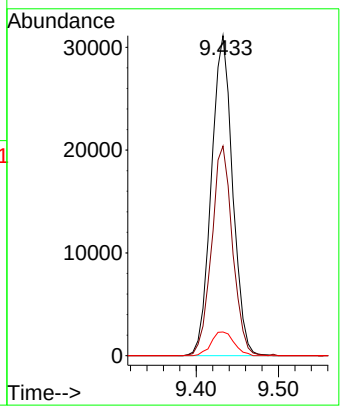




#47
Bromodichloromethane
Concen: 19.317 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 83 Resp: 5582

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	7.4	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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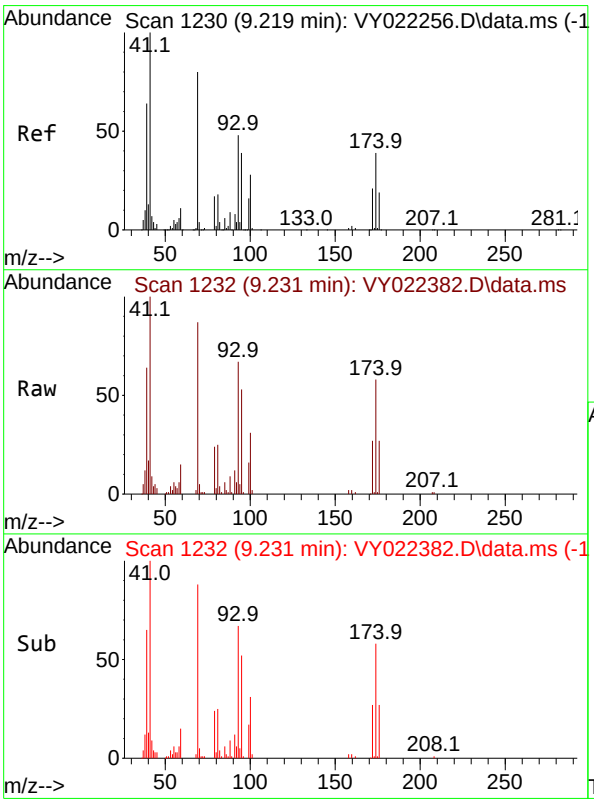
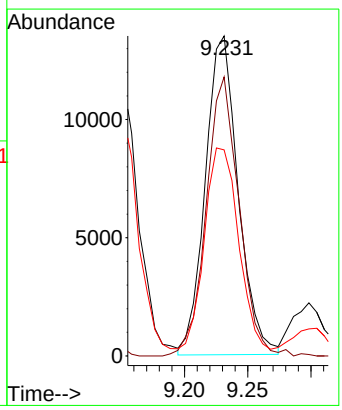
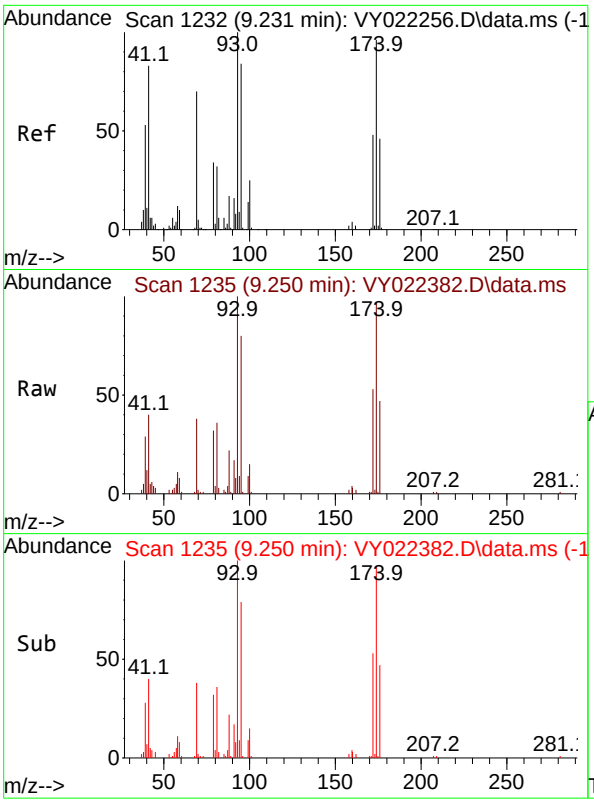


#48
Methyl methacrylate
Concen: 17.203 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 41 Resp: 24395

Ion	Ratio	Lower	Upper
41	100		
69	87.5	63.5	95.3
39	65.3	50.8	76.2

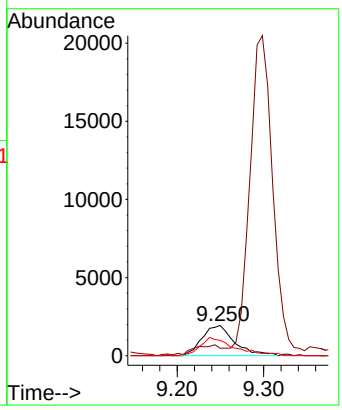




#49
1,4-Dioxane
Concen: 398.826 ug/l
RT: 9.250 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 88 Resp: 501

Ion	Ratio	Lower	Upper
88	100		
43	34.2	28.5	42.7
58	63.8	61.4	92.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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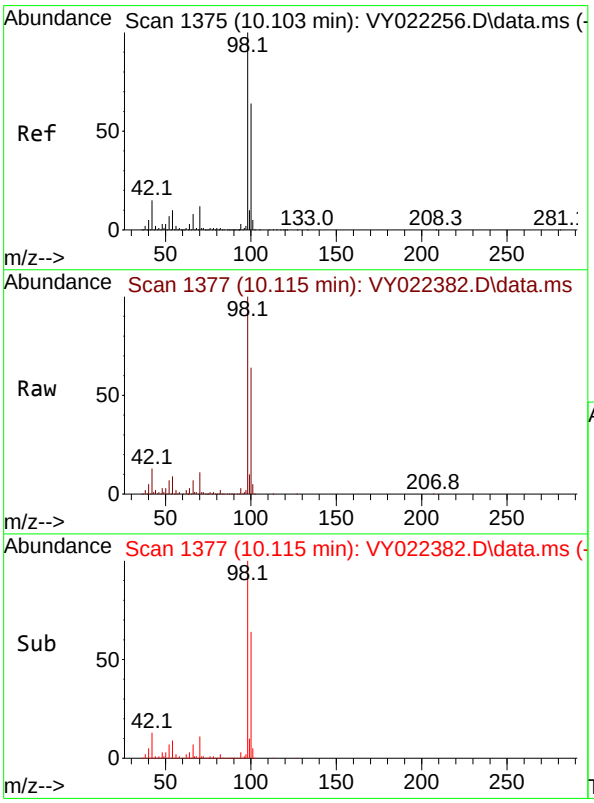
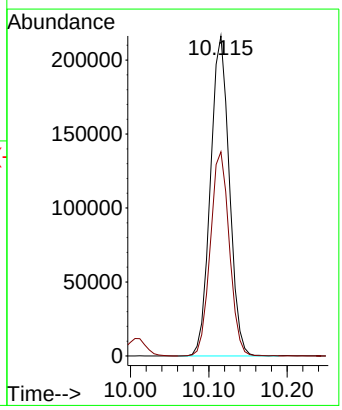
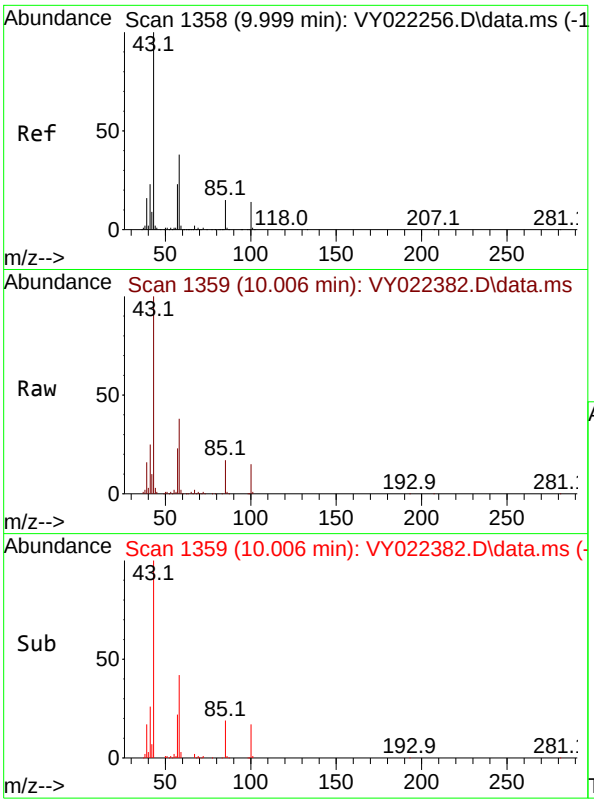


#50
Toluene-d8
Concen: 50.334 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 98 Resp: 361670

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#51
4-Methyl-2-Pentanone
Concen: 88.920 ug/l
RT: 10.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 13230

Ion	Ratio	Lower	Upper
43	100		
58	38.9	29.4	44.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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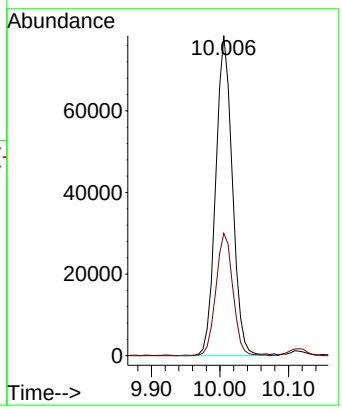
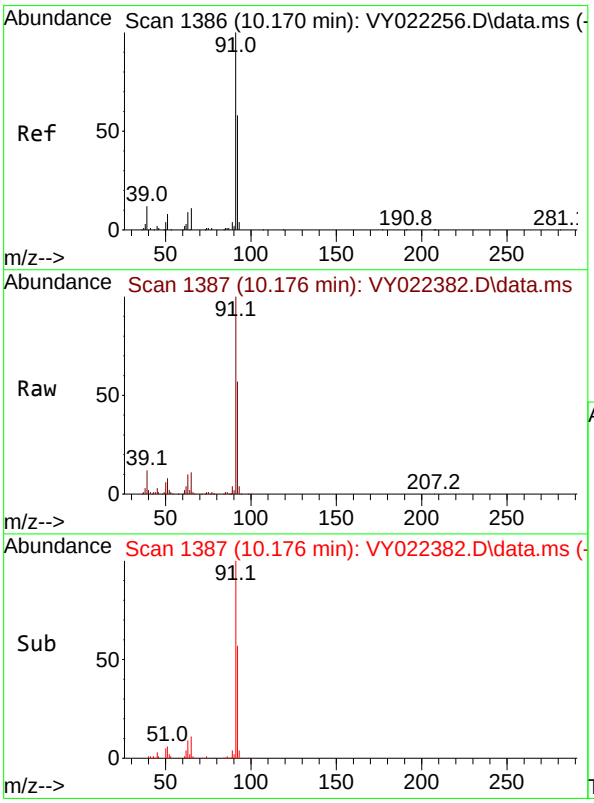
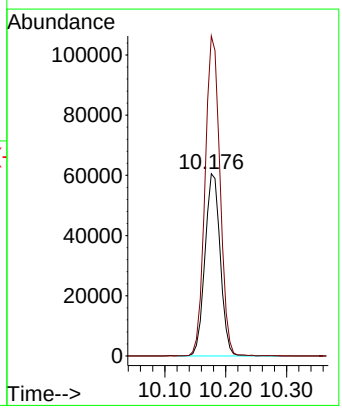


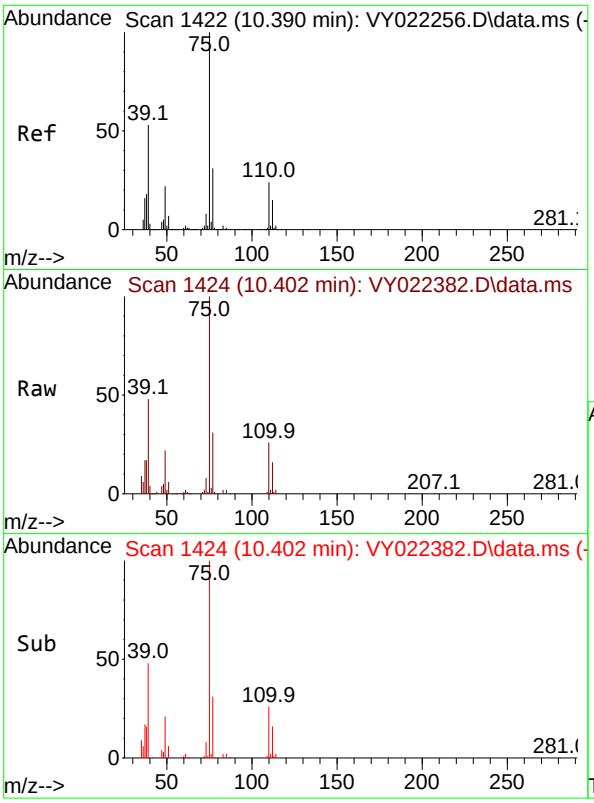


#52
Toluene
Concen: 19.443 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 92 Resp: 105474

Ion	Ratio	Lower	Upper
92	100		
91	171.8	139.1	208.7





#53
t-1,3-Dichloropropene
Concen: 18.540 ug/l
RT: 10.402 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 75 Resp: 5228

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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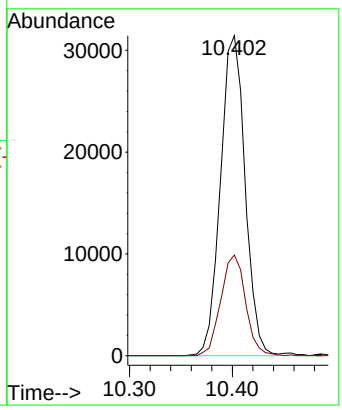
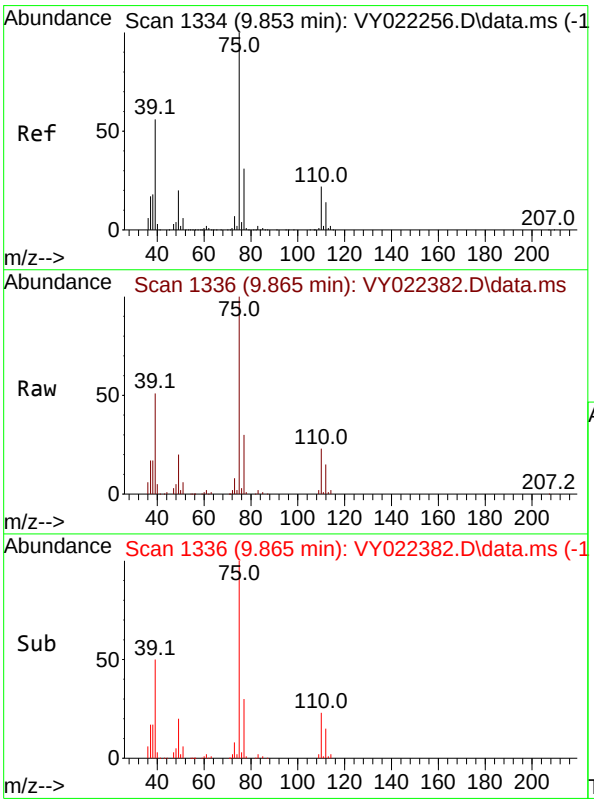
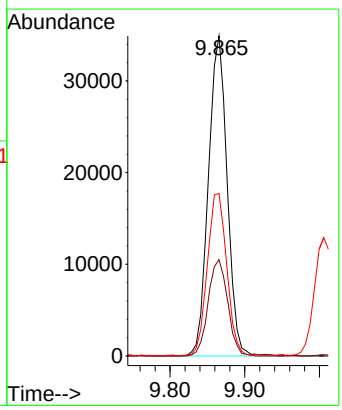


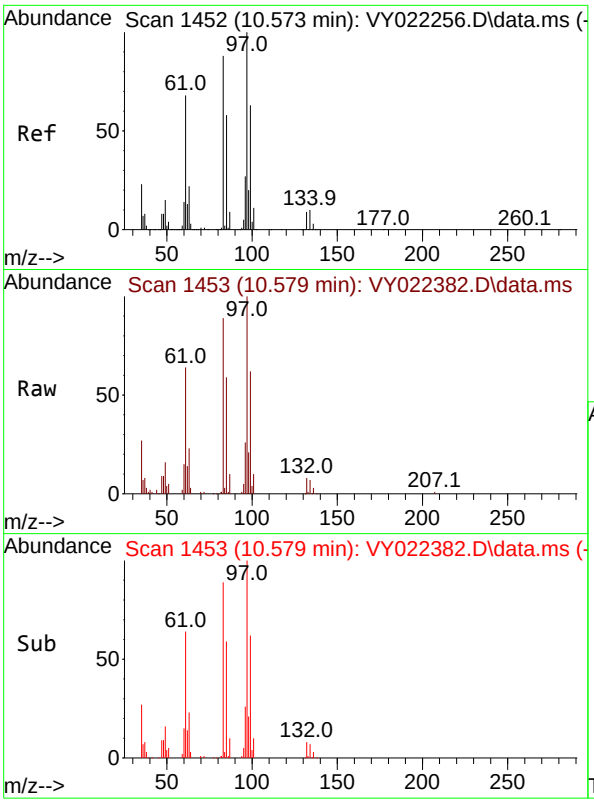


#54
cis-1,3-Dichloropropene
Concen: 18.806 ug/l
RT: 9.865 min Scan# 1336
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 75 Resp: 60767

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.1	37.7
39	50.7	44.5	66.7

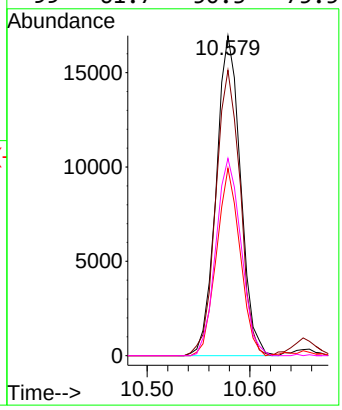




#55
1,1,2-Trichloroethane
Concen: 19.566 ug/l
RT: 10.579 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 97 Resp: 2791

Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.3	105.5
85	58.6	46.2	69.4
99	61.7	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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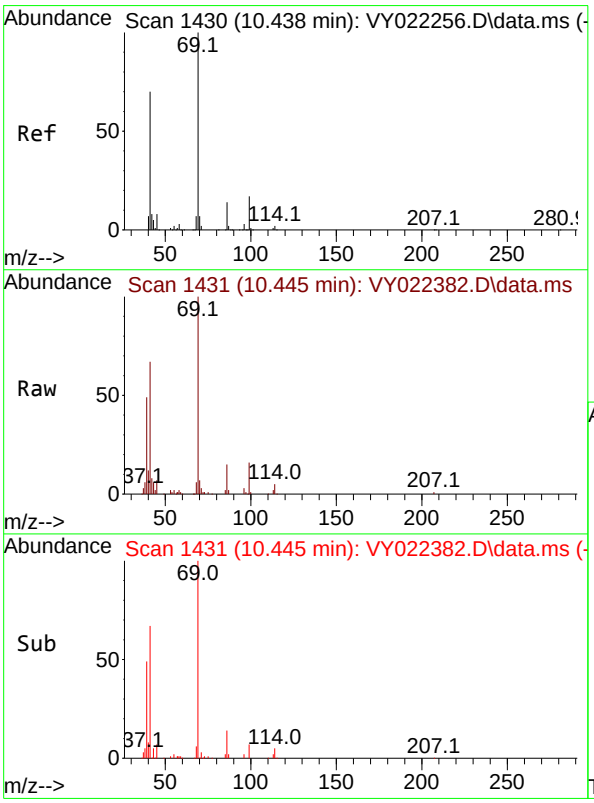
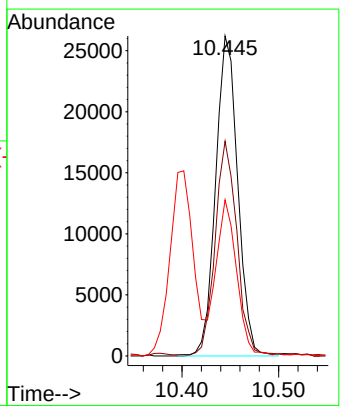
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

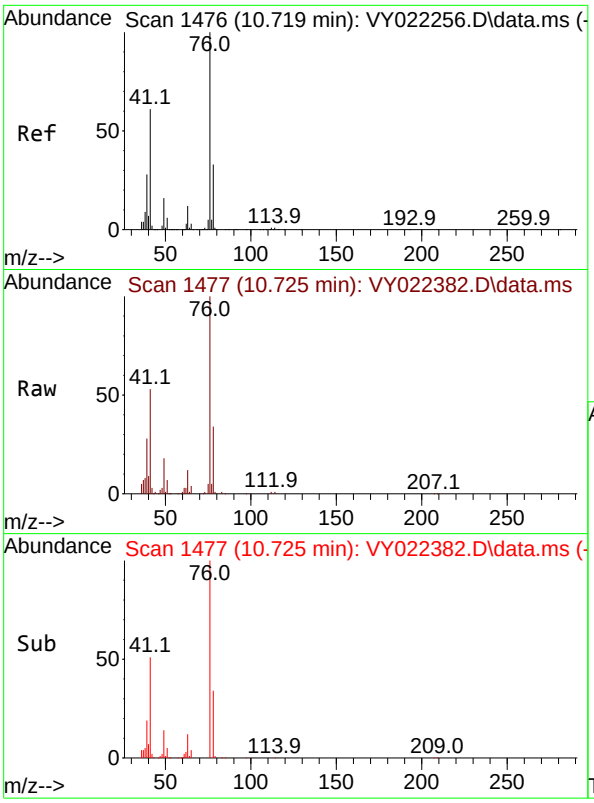


#56
Ethyl methacrylate
Concen: 18.718 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 69 Resp: 41592

Ion	Ratio	Lower	Upper
69	100		
41	65.1	56.5	84.7
39	44.1	37.1	55.7





#57
1,3-Dichloropropane
Concen: 20.091 ug/l
RT: 10.725 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 76 Resp: 5092

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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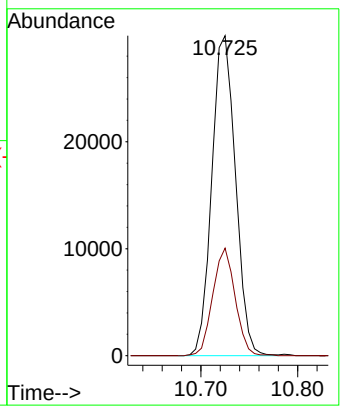
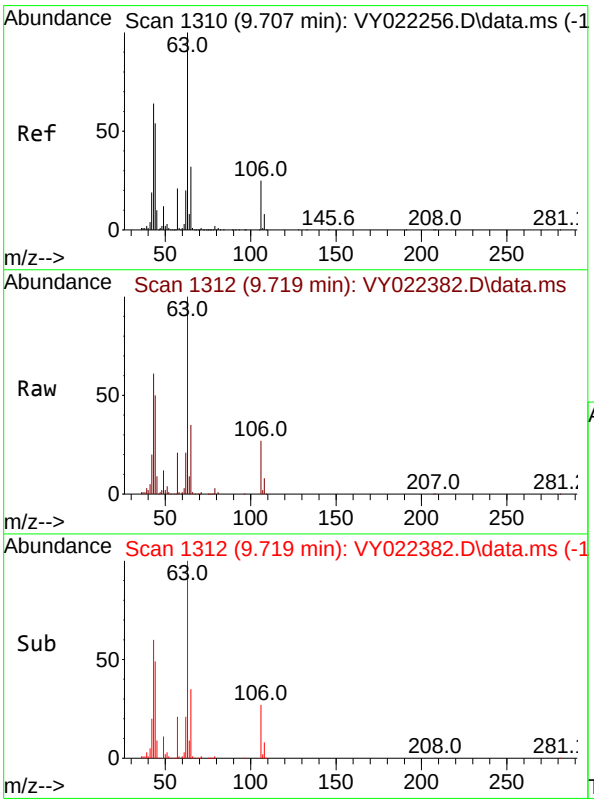
Supervised By :Mahesh Dadoda 05/23/2025

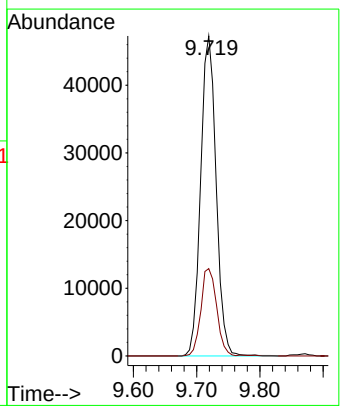


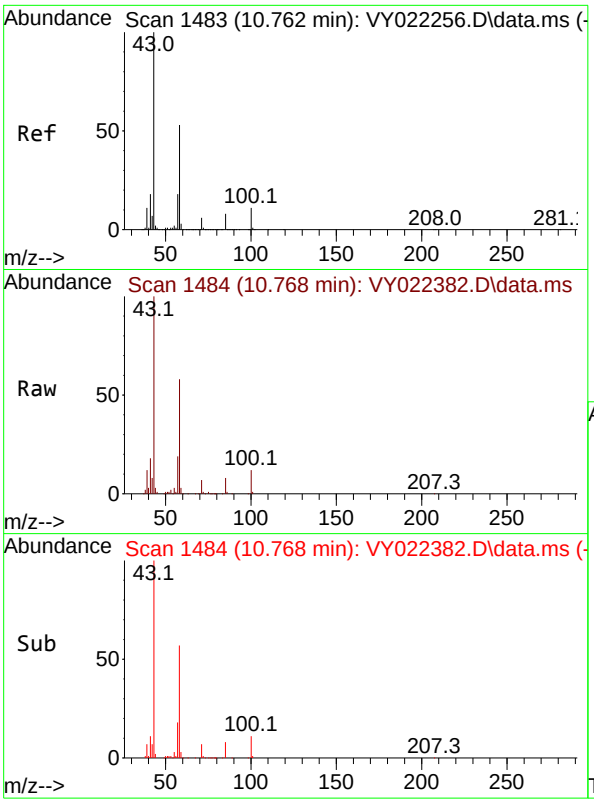


#58
2-Chloroethyl Vinyl ether
Concen: 80.750 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 63 Resp: 80535

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.0	31.4





#59
2-Hexanone
Concen: 89.478 ug/l
RT: 10.768 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 8926

Ion	Ratio	Lower	Upper
43	100		
58	55.9	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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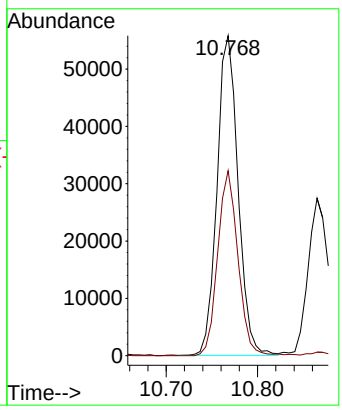
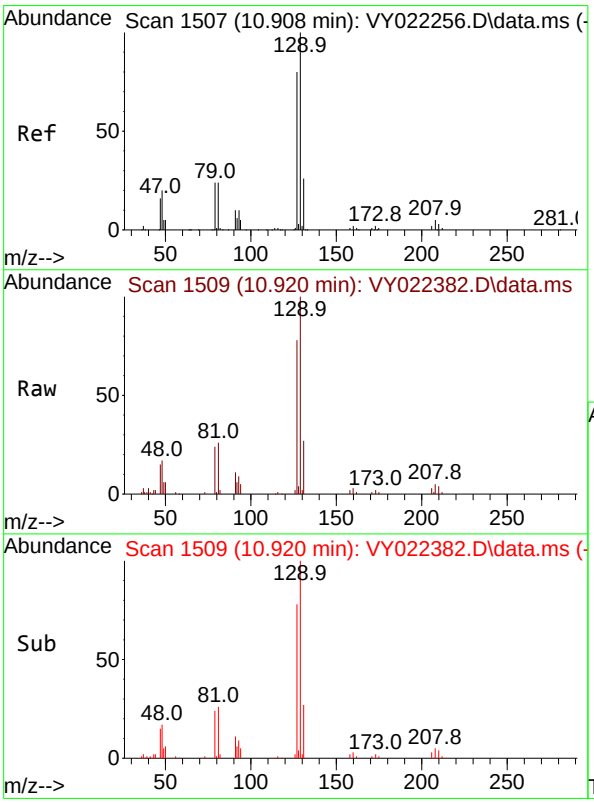
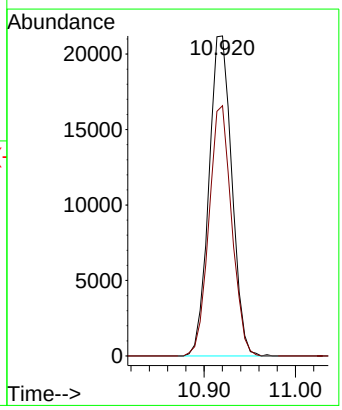


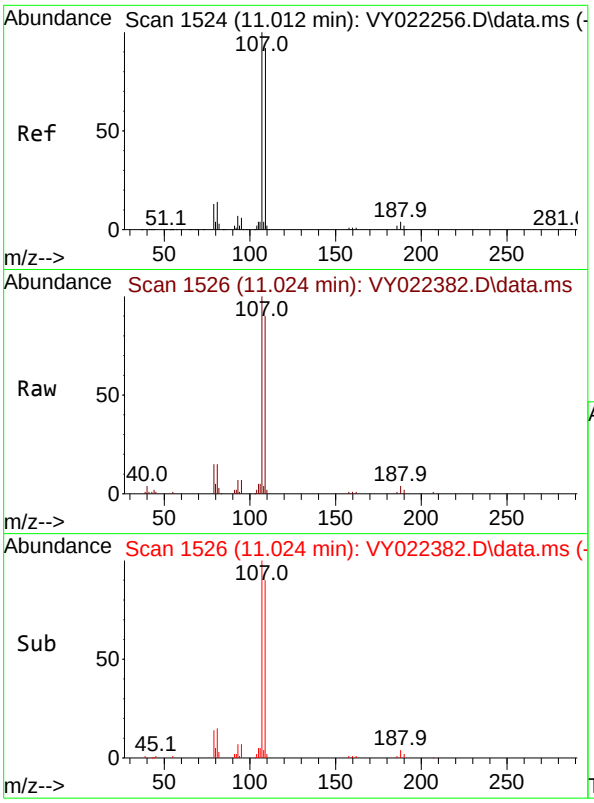


#60
Dibromochloromethane
Concen: 19.947 ug/l
RT: 10.920 min Scan# 1509
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:129 Resp: 36931

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.7





#61
1,2-Dibromoethane
Concen: 19.596 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:107 Resp: 2605

Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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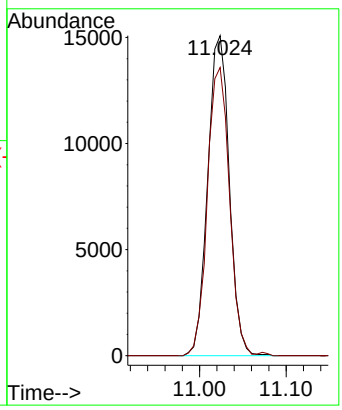
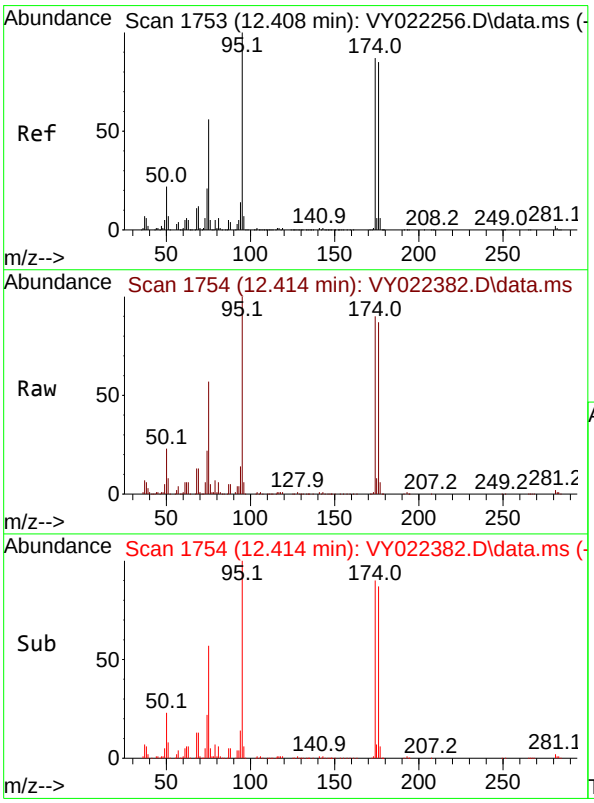
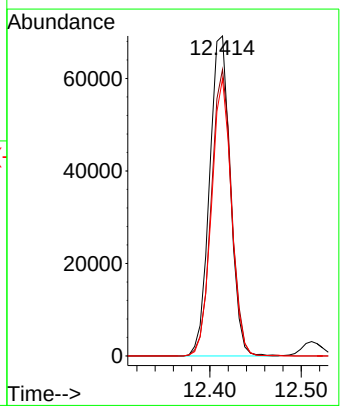


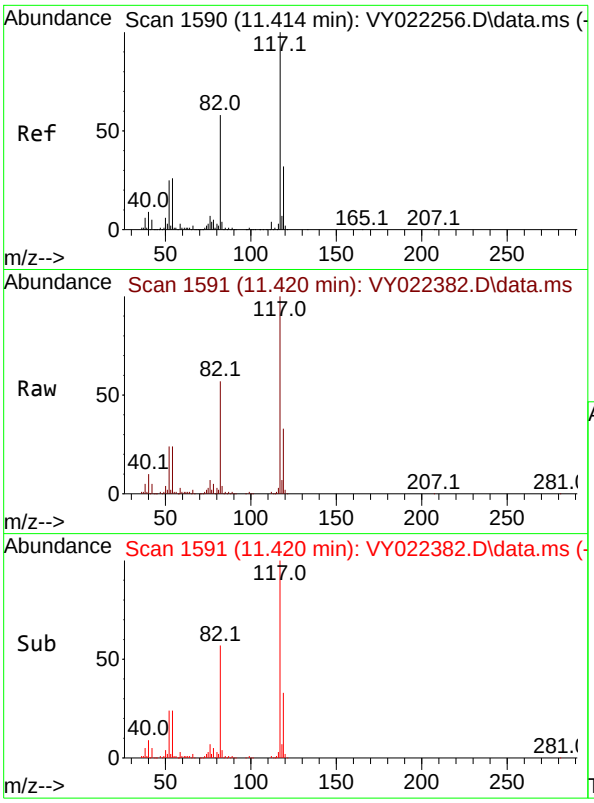


#62
4-Bromofluorobenzene
Concen: 47.724 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 95 Resp: 108691

Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	166.8
176	83.4	0.0	160.8

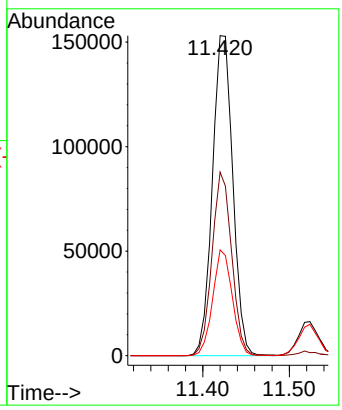




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:117 Resp: 25084

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.6	70.0
119	33.0	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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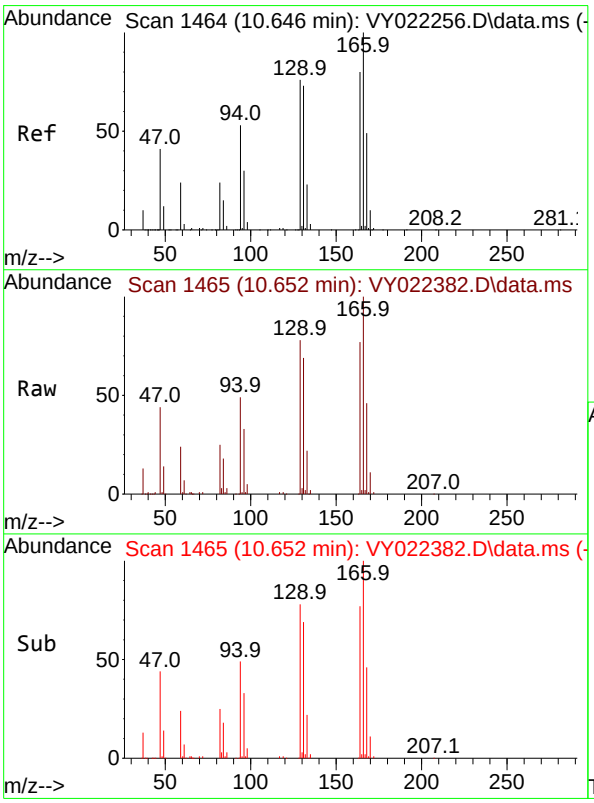
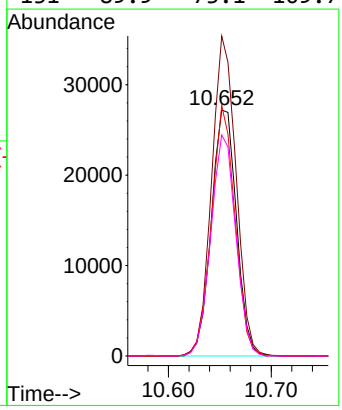
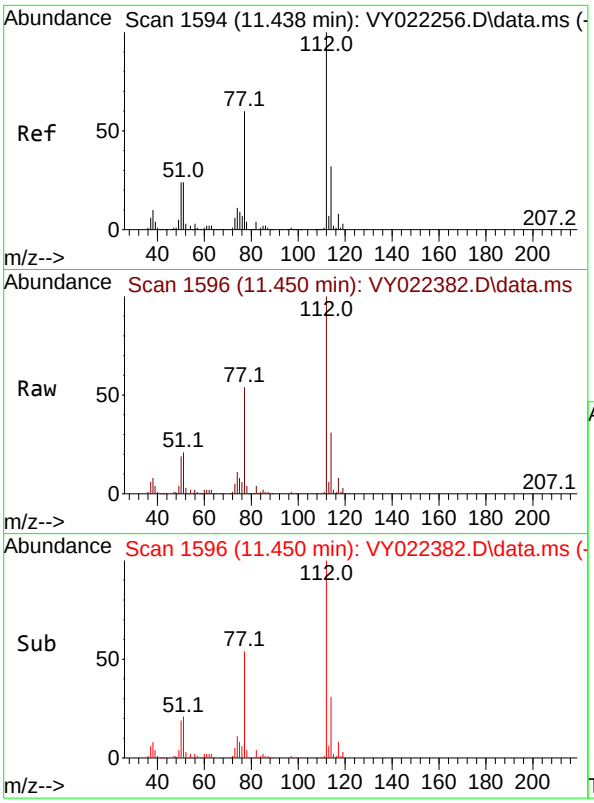


#64
Tetrachloroethene
Concen: 19.928 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:164 Resp: 46204

Ion	Ratio	Lower	Upper
164	100		
166	130.1	100.4	150.6
129	101.8	76.4	114.6
131	89.9	73.1	109.7

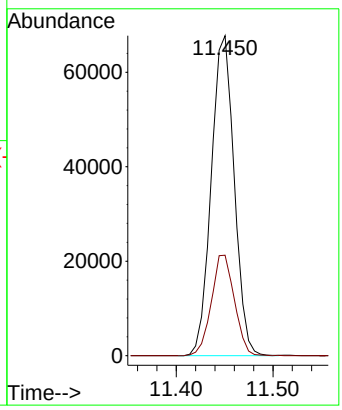




#65
Chlorobenzene
Concen: 19.735 ug/l
RT: 11.450 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:112 Resp: 11168

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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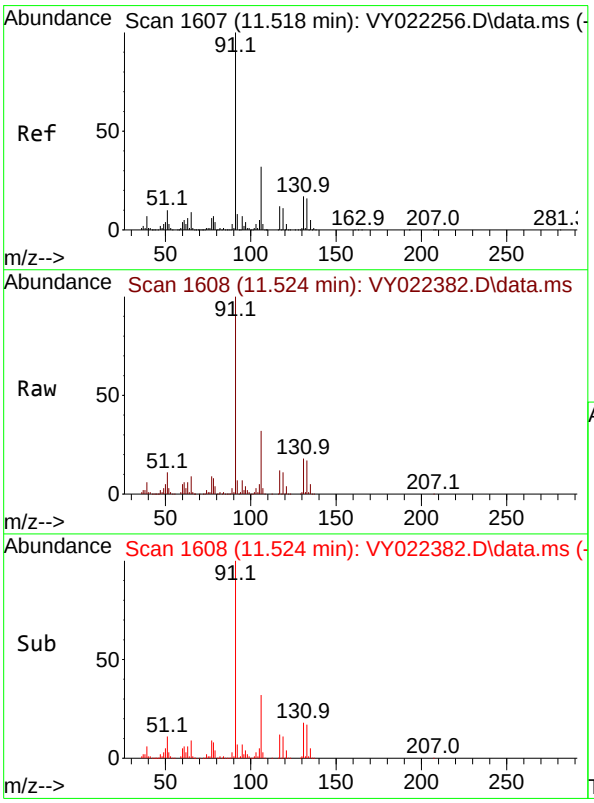
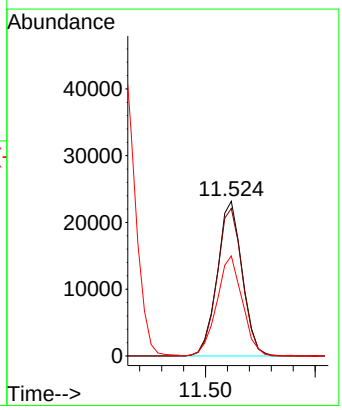
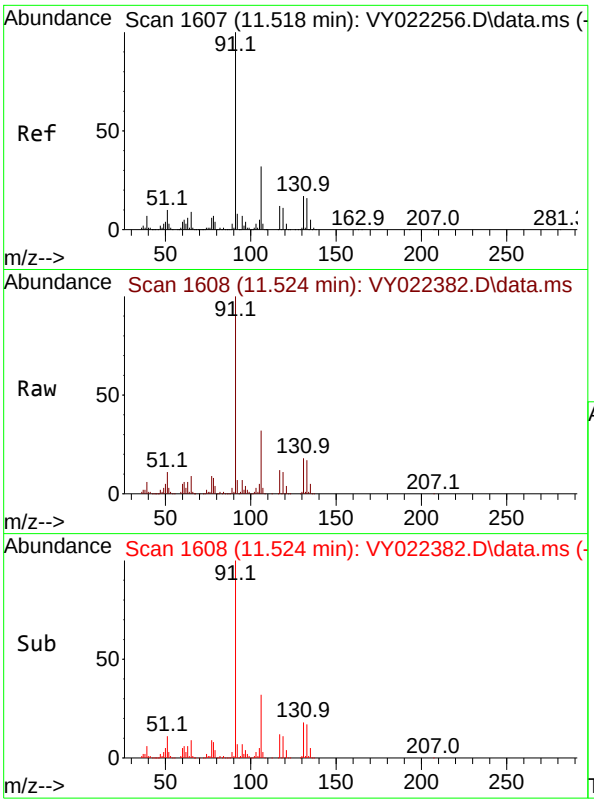


#66
1,1,1,2-Tetrachloroethane
Concen: 18.757 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:131 Resp: 36492

Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	141.9
119	66.5	33.1	99.2

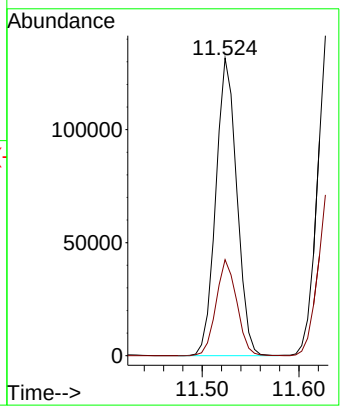




#67
Ethyl Benzene
Concen: 18.720 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 91 Resp: 19841

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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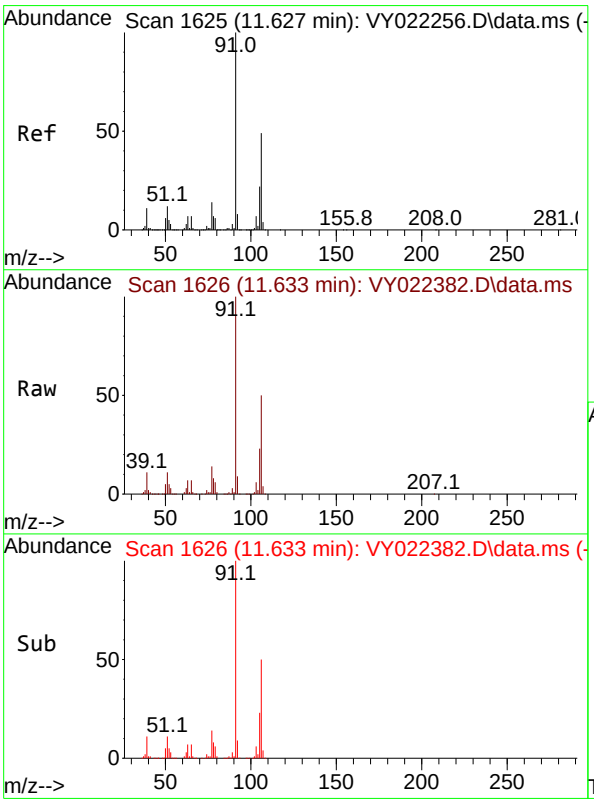
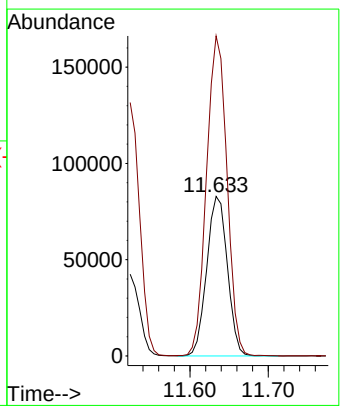
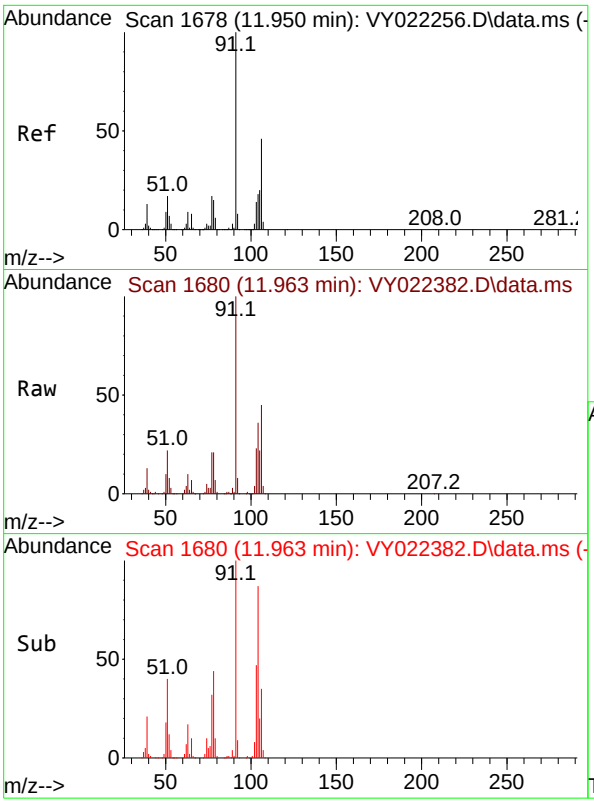


#68
m/p-Xylenes
Concen: 37.987 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:106 Resp: 151710

Ion	Ratio	Lower	Upper
106	100		
91	199.2	163.0	244.4

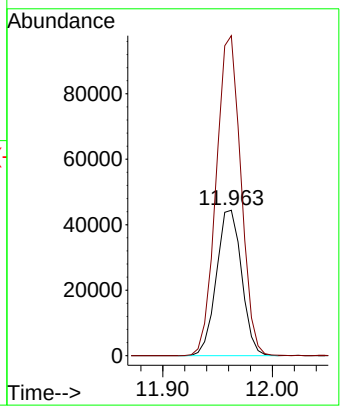




#69
o-Xylene
Concen: 18.827 ug/l
RT: 11.963 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:106 Resp: 7114

Ion	Ratio	Lower	Upper
106	100		
91	215.8	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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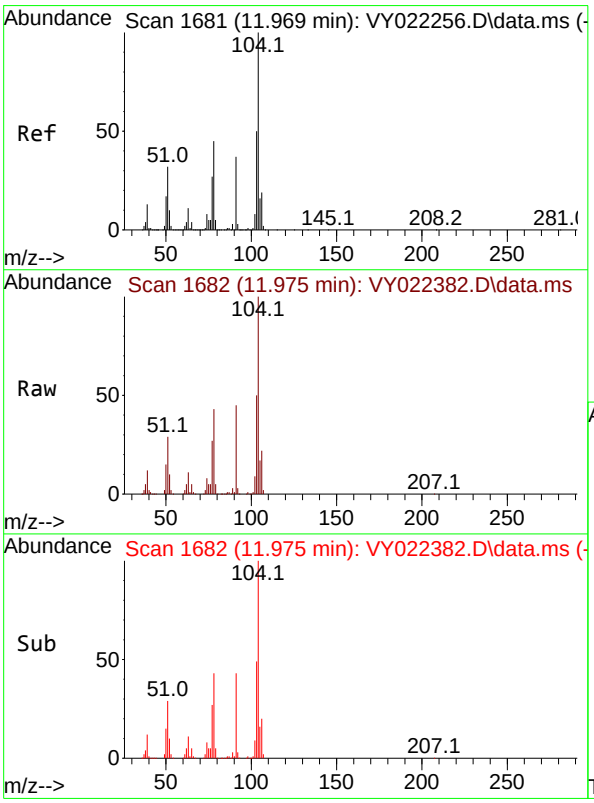
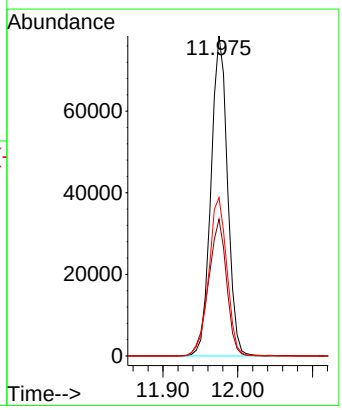
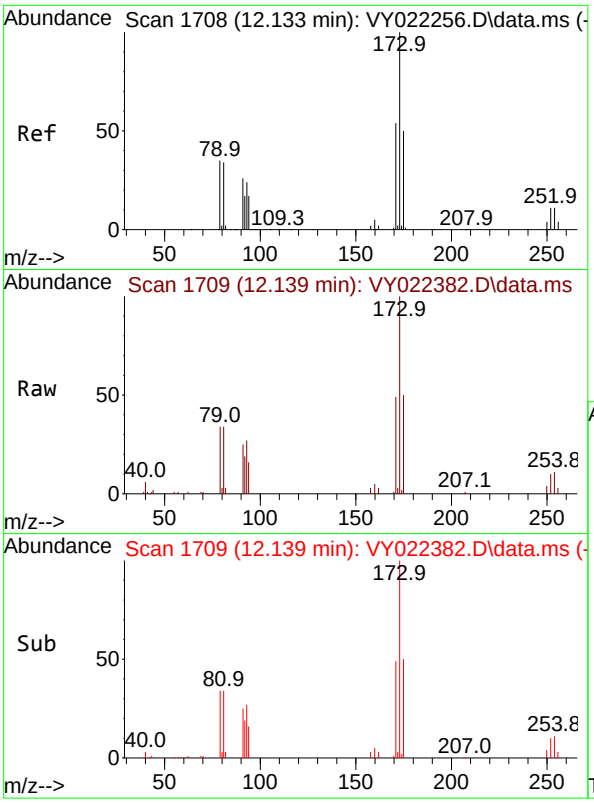


#70
Styrene
Concen: 18.995 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:104 Resp: 121069

Ion	Ratio	Lower	Upper
104	100		
78	46.7	40.9	61.3
103	54.1	43.7	65.5

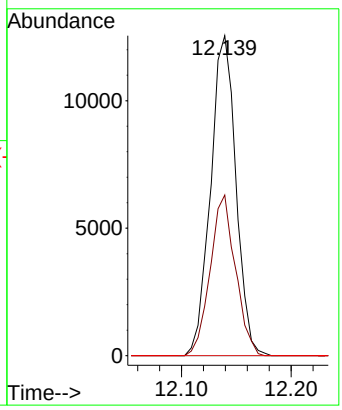




#71
Bromoform
Concen: 19.208 ug/l
RT: 12.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:173 Resp: 2017

Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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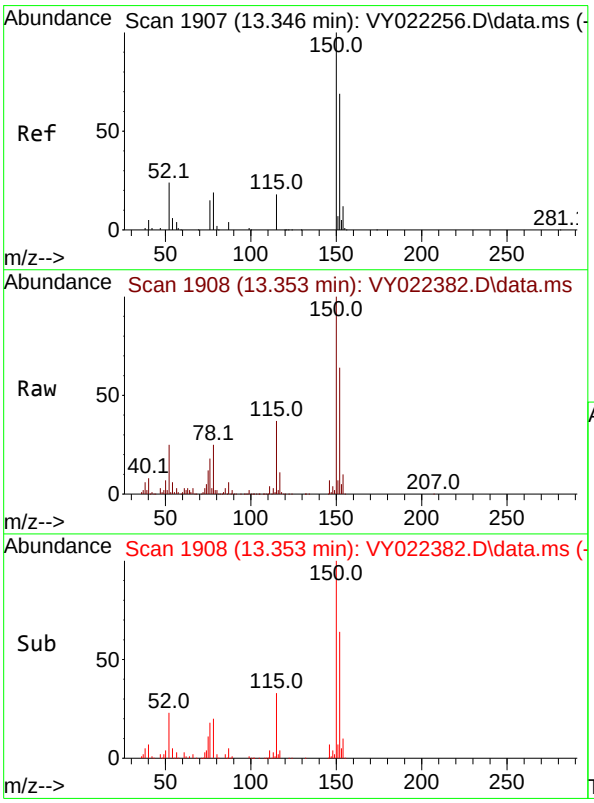
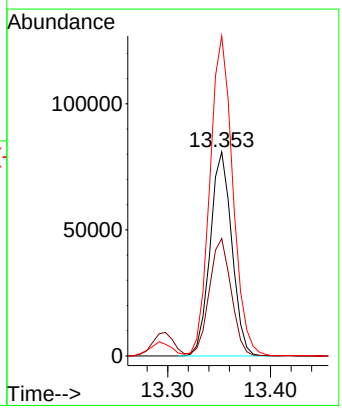
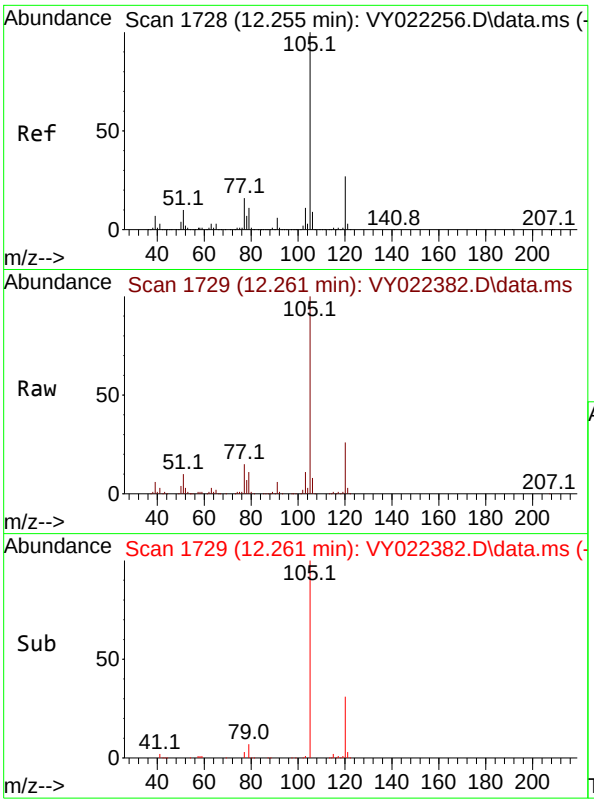


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:152 Resp: 118480

Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.4	88.2
150	165.6	0.0	353.8

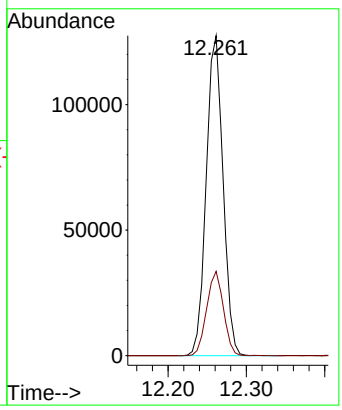




#73
Isopropylbenzene
Concen: 19.302 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:105 Resp: 18945

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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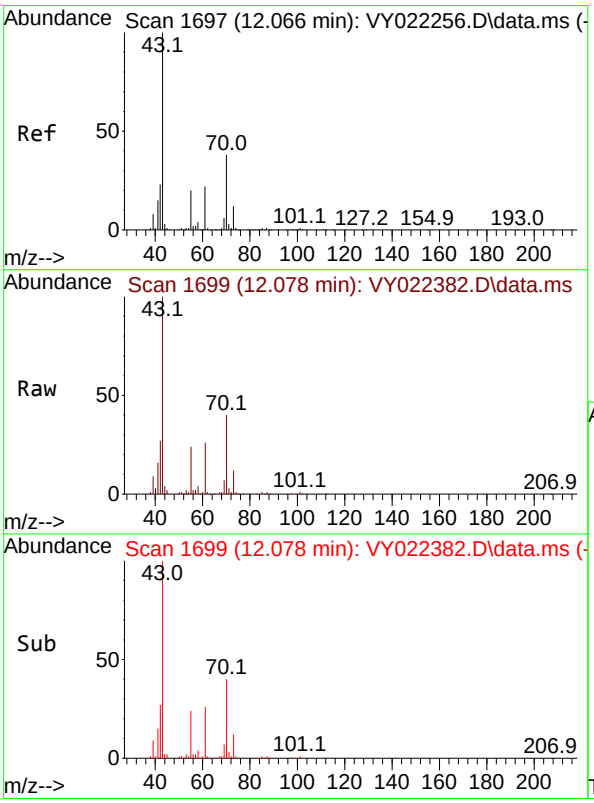
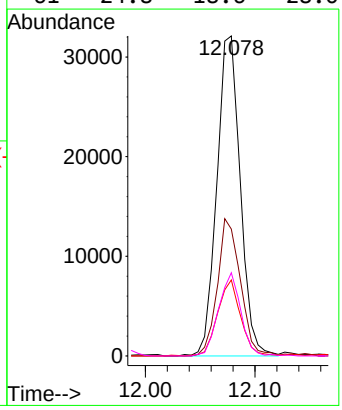
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

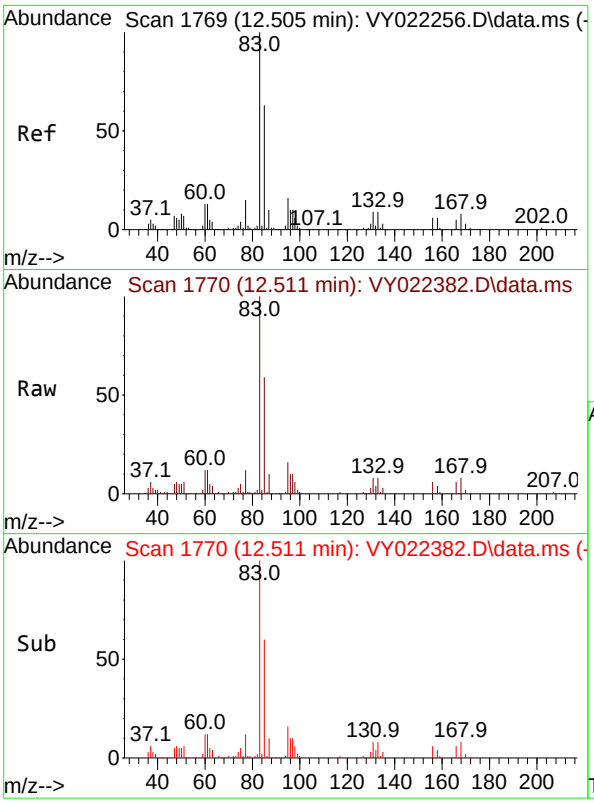


#74
N-amyl acetate
Concen: 17.019 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.012 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 43 Resp: 47777

Ion	Ratio	Lower	Upper
43	100		
70	42.2	31.4	47.0
55	23.4	17.0	25.6
61	24.8	18.6	28.0

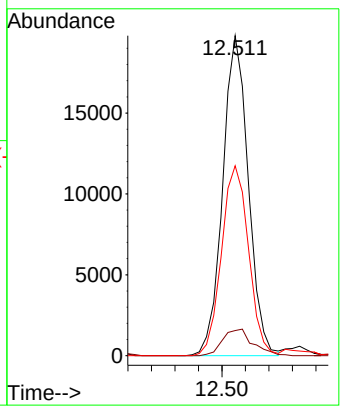




#75
1,1,2,2-Tetrachloroethane
Concen: 19.845 ug/l
RT: 12.511 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 83 Resp: 2995

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	62.6	32.0	96.0



Instrument :
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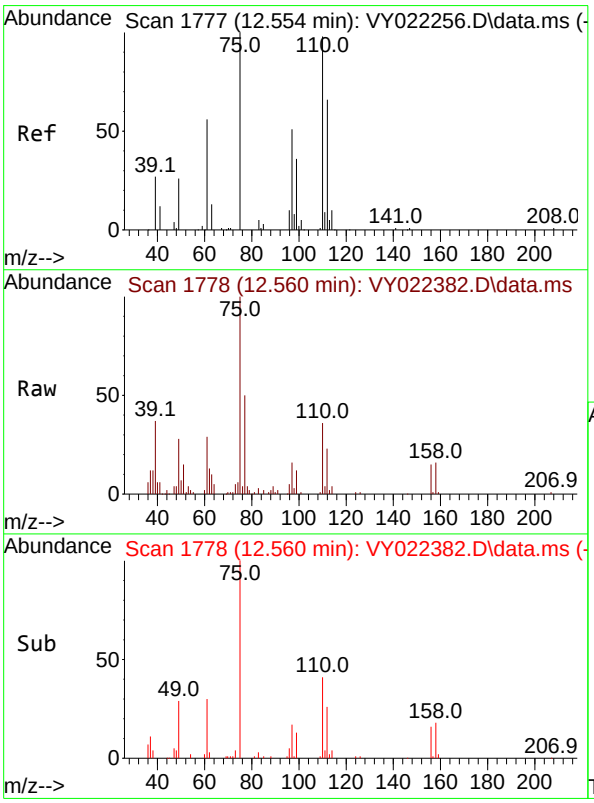
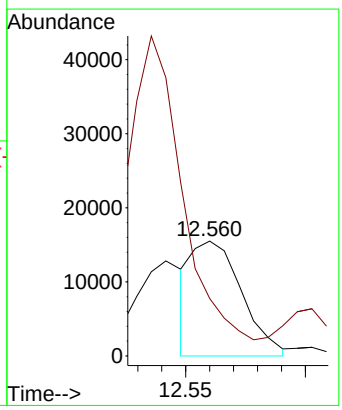
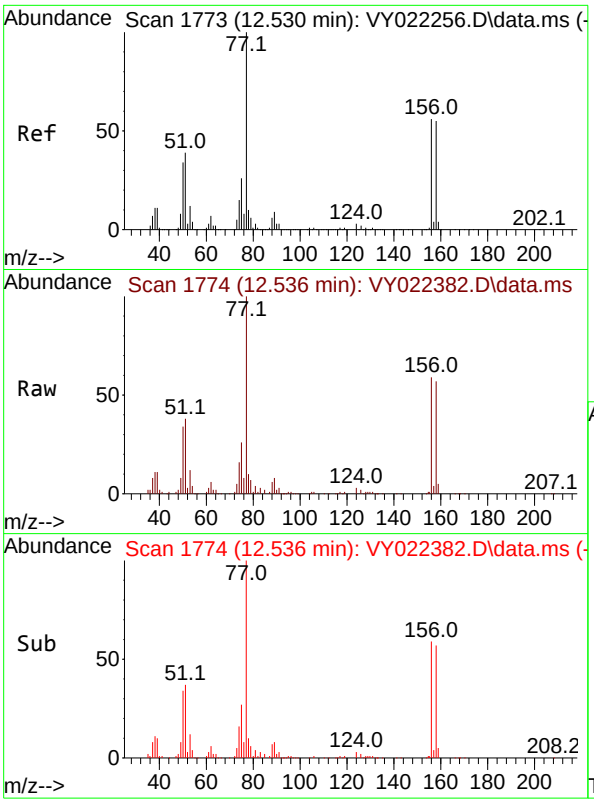


#76
1,2,3-Trichloropropane
Concen: 18.877 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 75 Resp: 22658

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

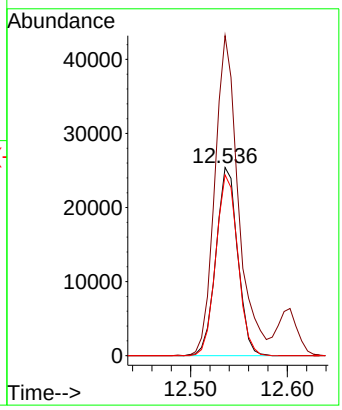




#77
Bromobenzene
Concen: 18.881 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:156 Resp: 3958

Ion	Ratio	Lower	Upper
156	100		
77	184.7	94.5	283.6
158	97.4	48.4	145.3



Instrument :
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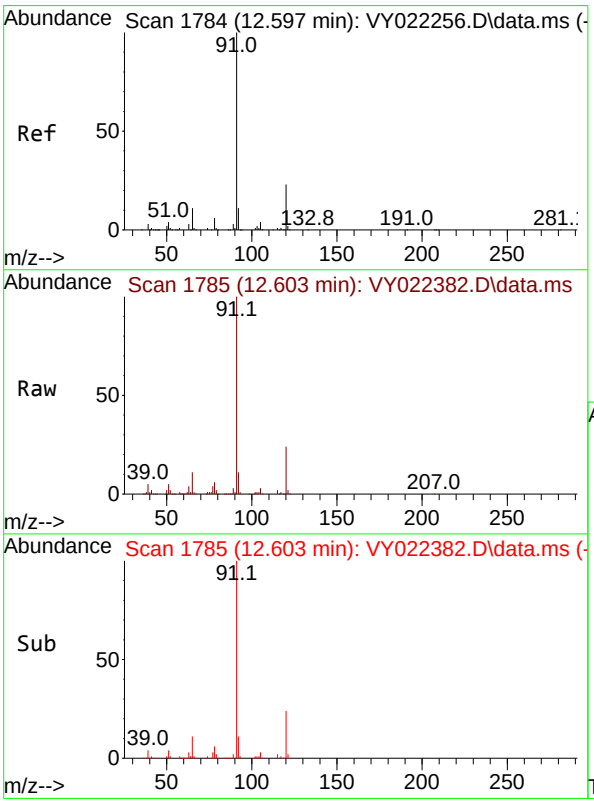
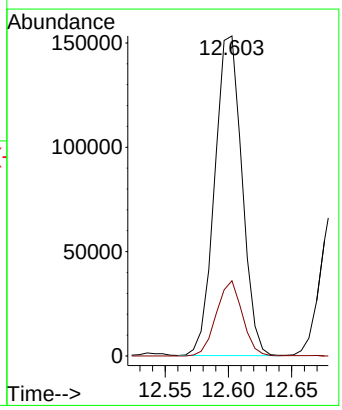
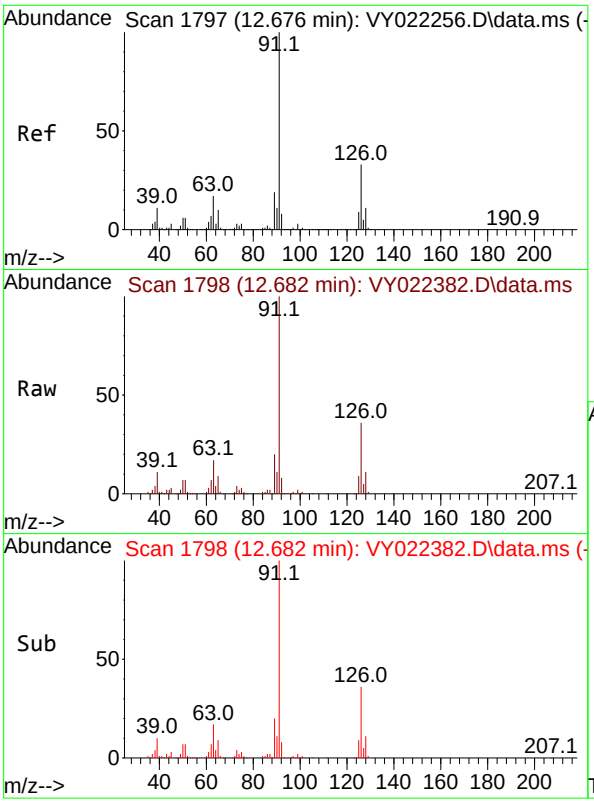


#78
n-propylbenzene
Concen: 19.375 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 91 Resp: 229385

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.3

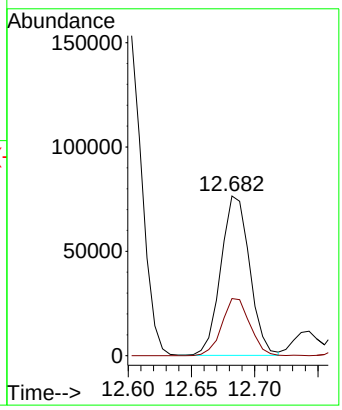




#79
2-Chlorotoluene
Concen: 18.594 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 91 Resp: 12097

Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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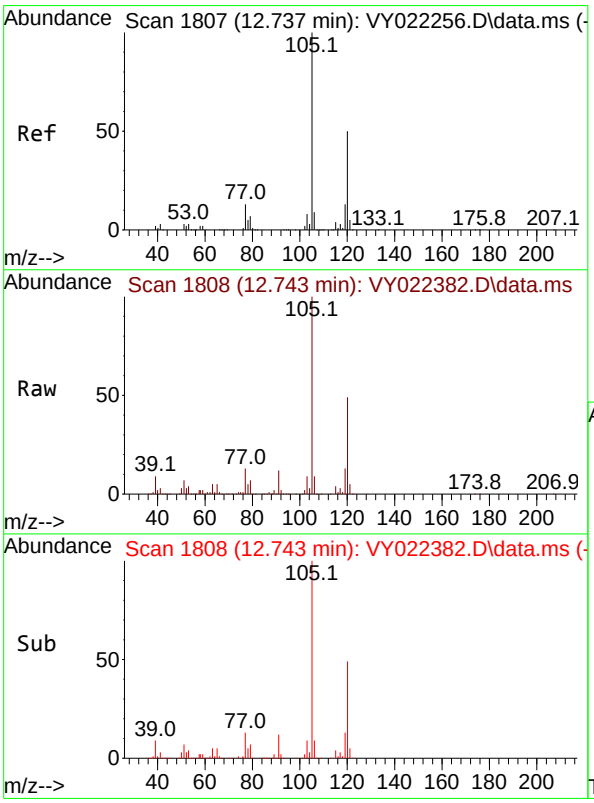
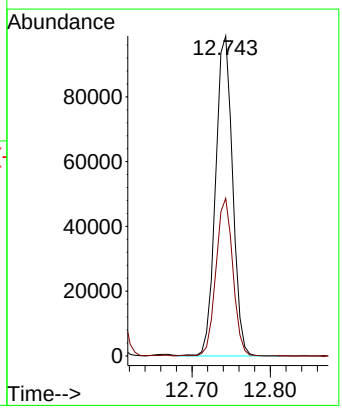
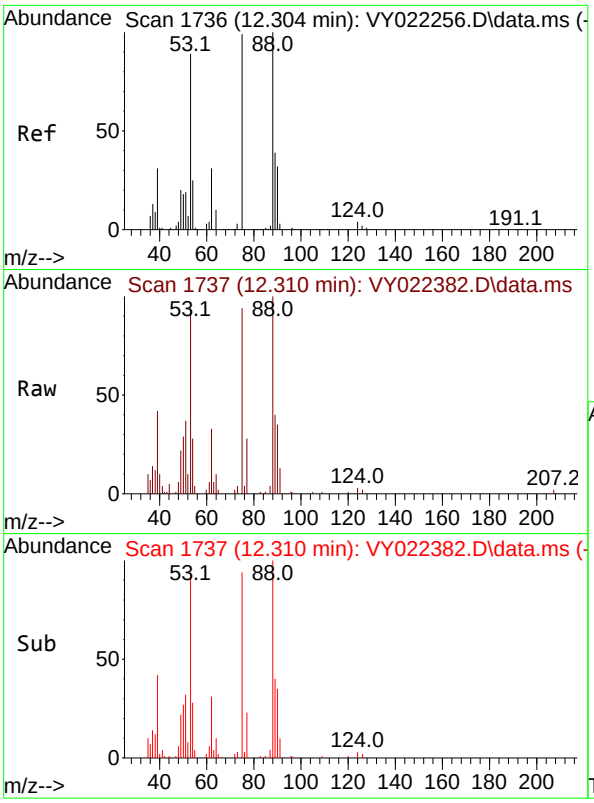


#80
1,3,5-Trimethylbenzene
Concen: 18.859 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:105 Resp: 149426

Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 17.950 ug/l
RT: 12.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 75 Resp: 1063

Ion	Ratio	Lower	Upper
75	100		
53	91.8	75.8	113.8
89	44.0	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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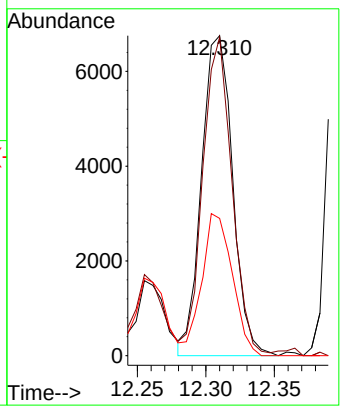
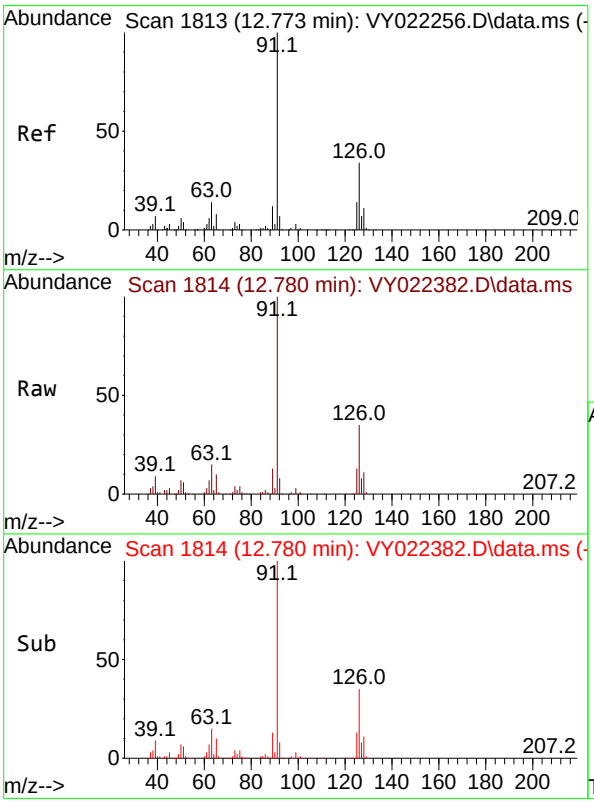
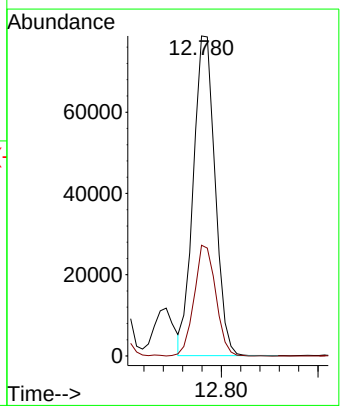


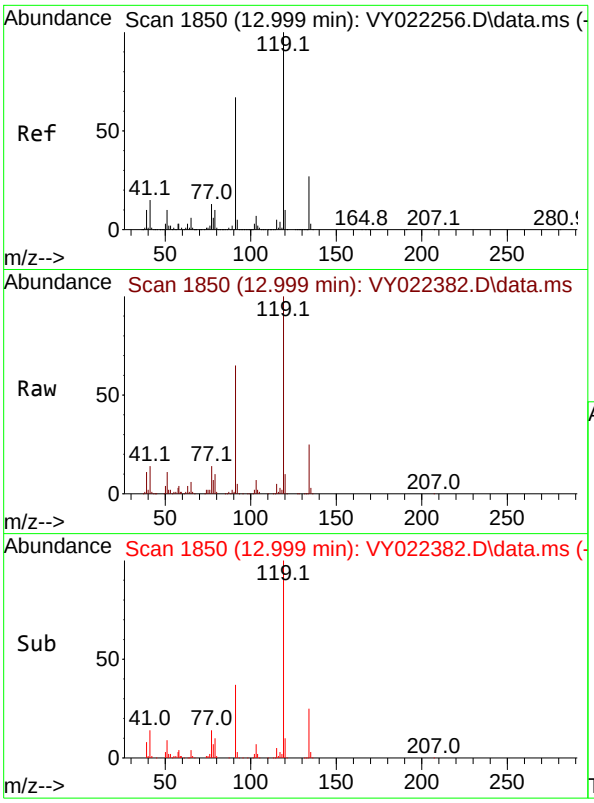


#82
4-Chlorotoluene
Concen: 18.386 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 91 Resp: 123043

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.8	50.4





#83
tert-Butylbenzene
Concen: 19.156 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:119 Resp: 13490

Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.8	98.3
134	25.8	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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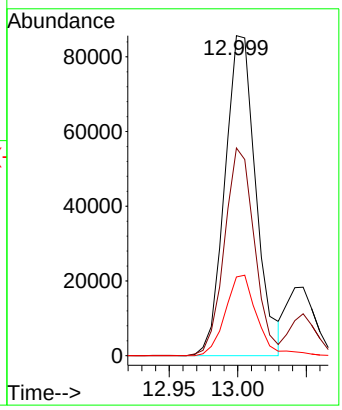
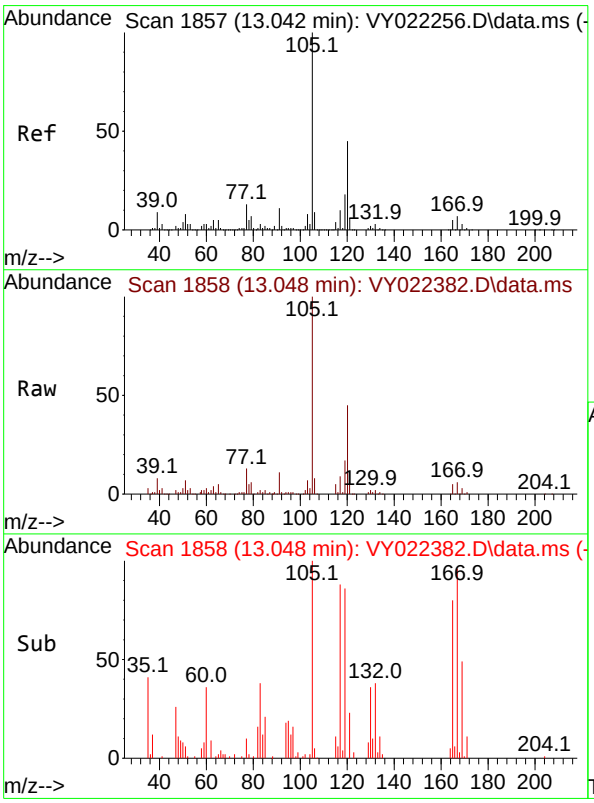
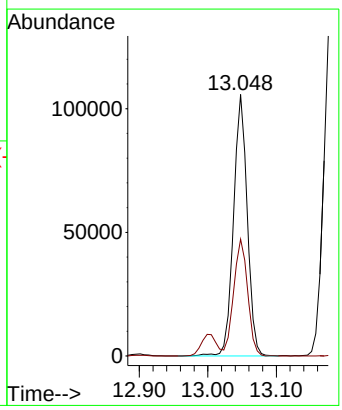


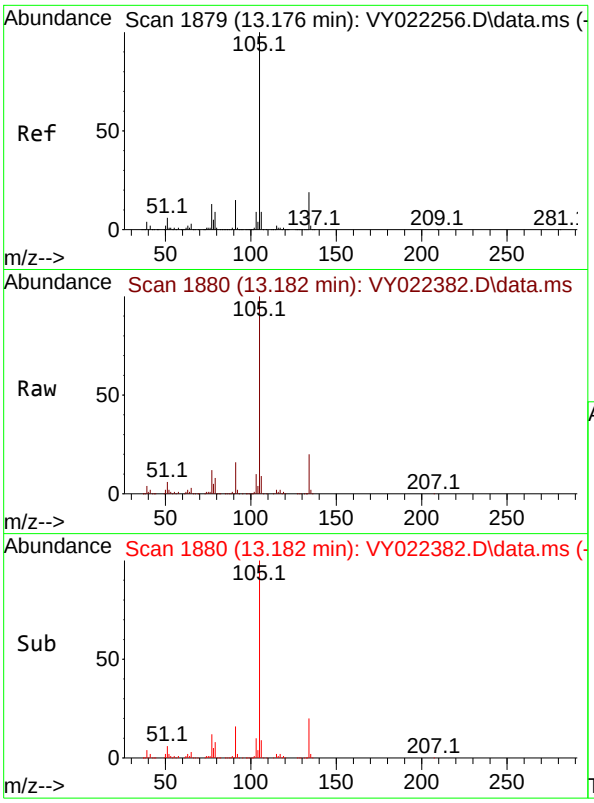


#84
1,2,4-Trimethylbenzene
Concen: 18.771 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:105 Resp: 147645

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.9





#85
sec-Butylbenzene
Concen: 19.368 ug/l
RT: 13.182 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:105 Resp: 20247

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

Instrument :
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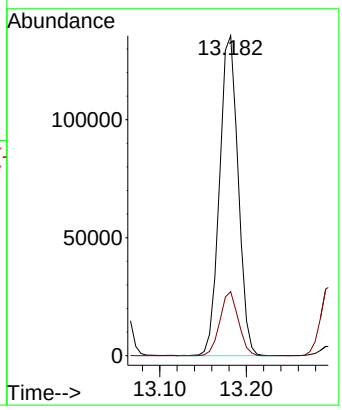
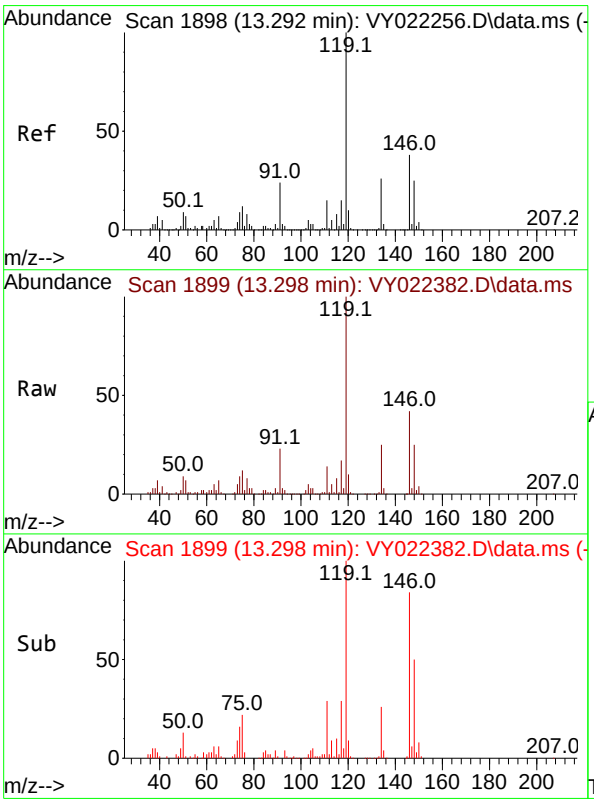
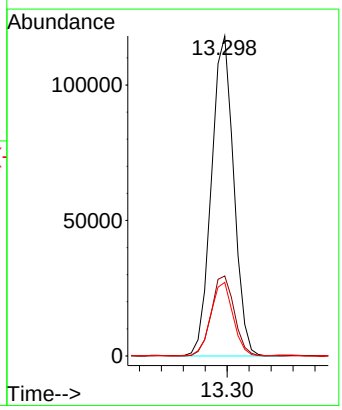


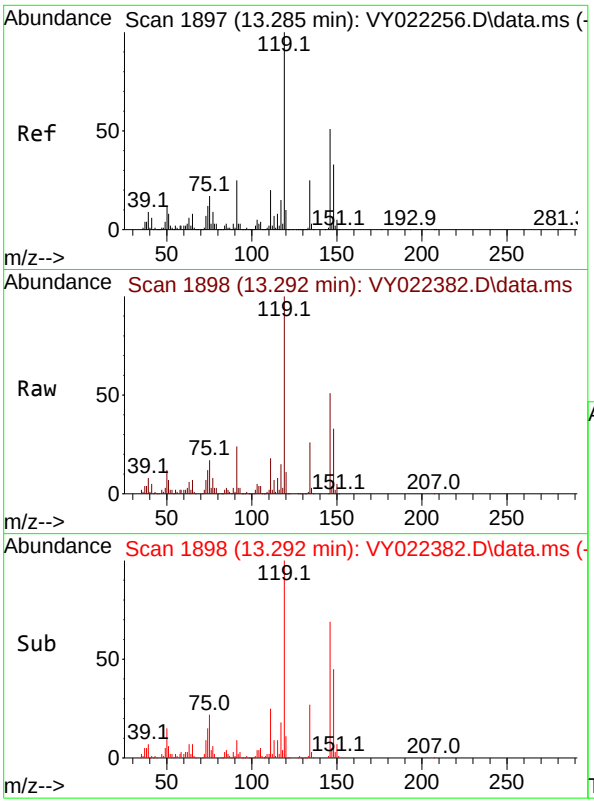


#86
p-Isopropyltoluene
Concen: 18.977 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:119 Resp: 166855

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	22.9	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 18.857 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:146 Resp: 8070

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.9	59.7
148	63.3	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
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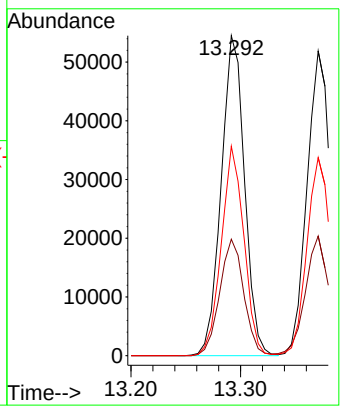
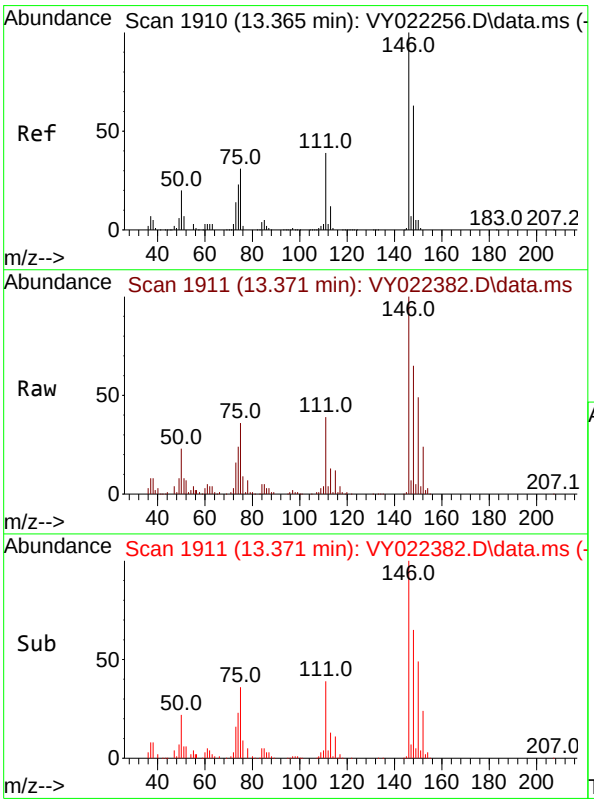
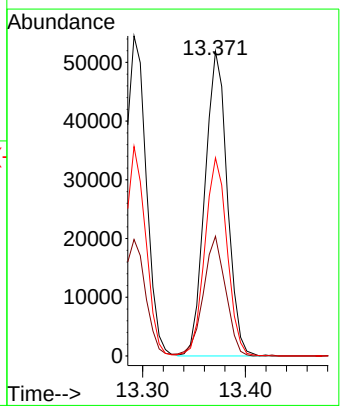


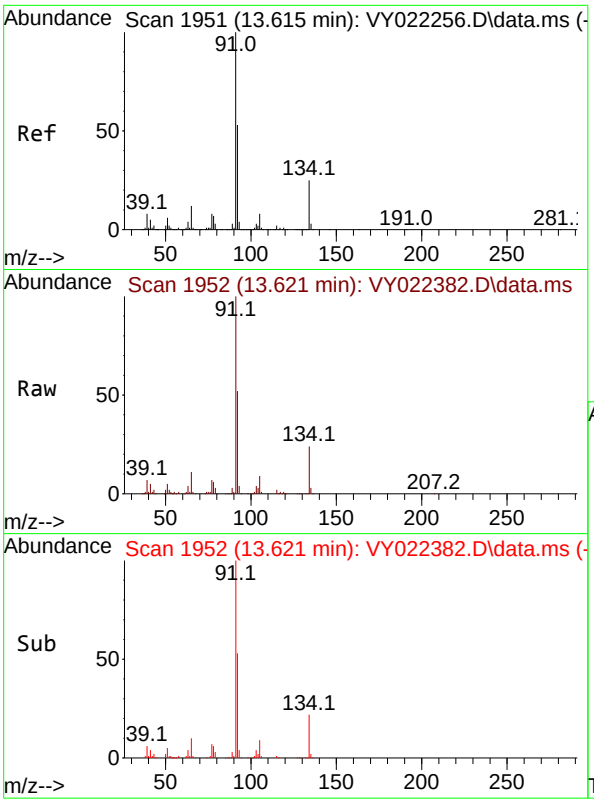


#88
1,4-Dichlorobenzene
Concen: 18.995 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:146 Resp: 78194

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	65.2	32.1	96.5

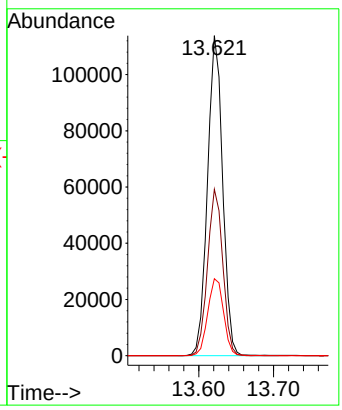




#89
n-Butylbenzene
Concen: 19.260 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 91 Resp: 16020

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.9
134	25.1	12.4	37.4



Instrument :
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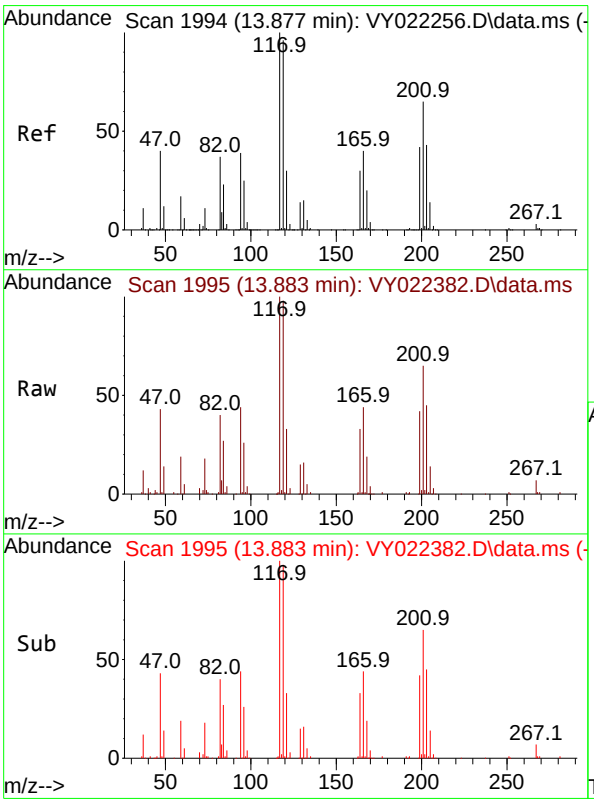
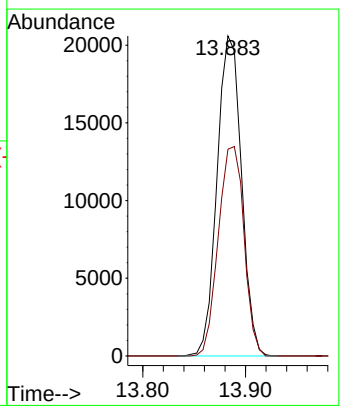
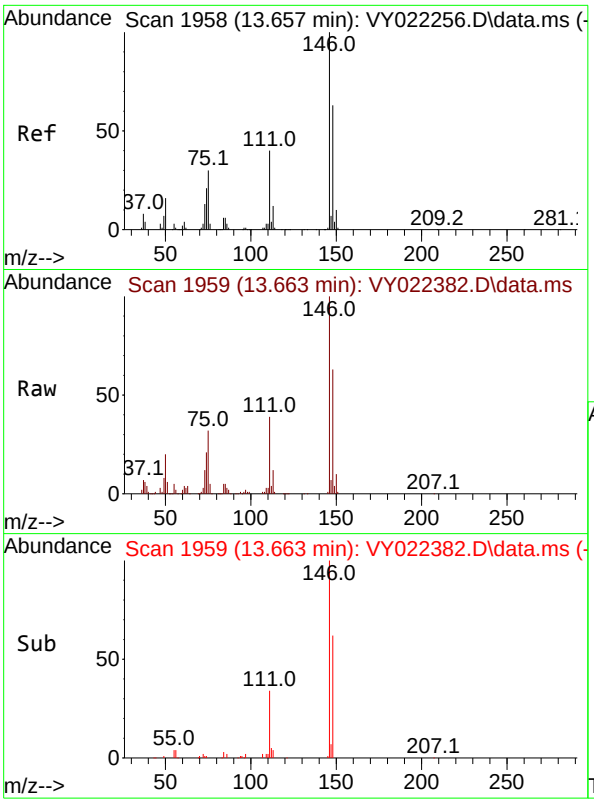


#90
Hexachloroethane
Concen: 19.127 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:117 Resp: 33947

Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.2	105.6

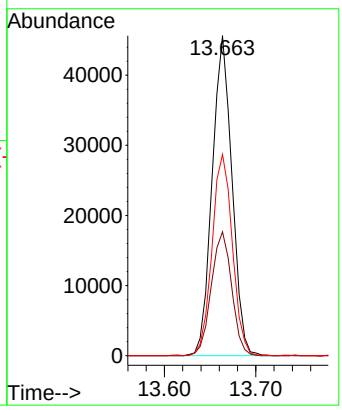




#91
1,2-Dichlorobenzene
Concen: 19.098 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:146 Resp: 6865

Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.5
148	64.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

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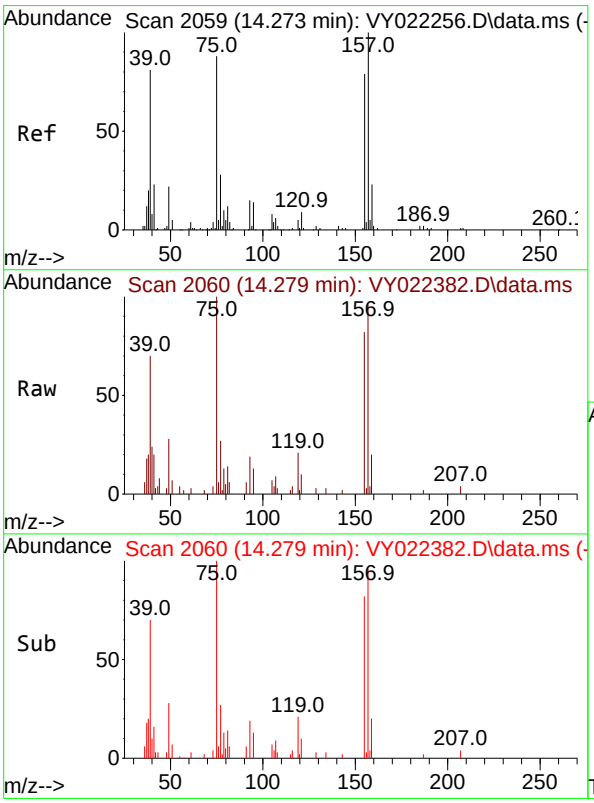
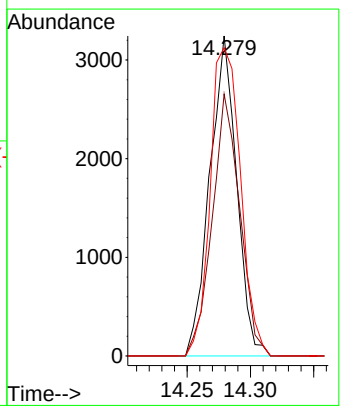
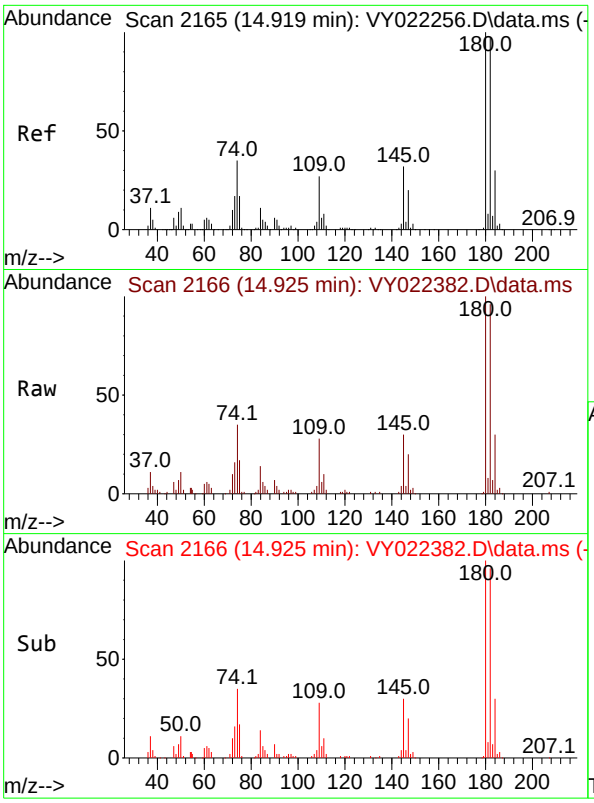


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.637 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion: 75 Resp: 4780

Ion	Ratio	Lower	Upper
75	100		
155	84.1	43.4	130.1
157	109.0	54.6	163.9

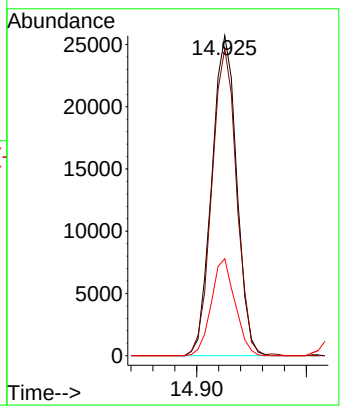




#93
1,2,4-Trichlorobenzene
Concen: 19.482 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:180 Resp: 4045

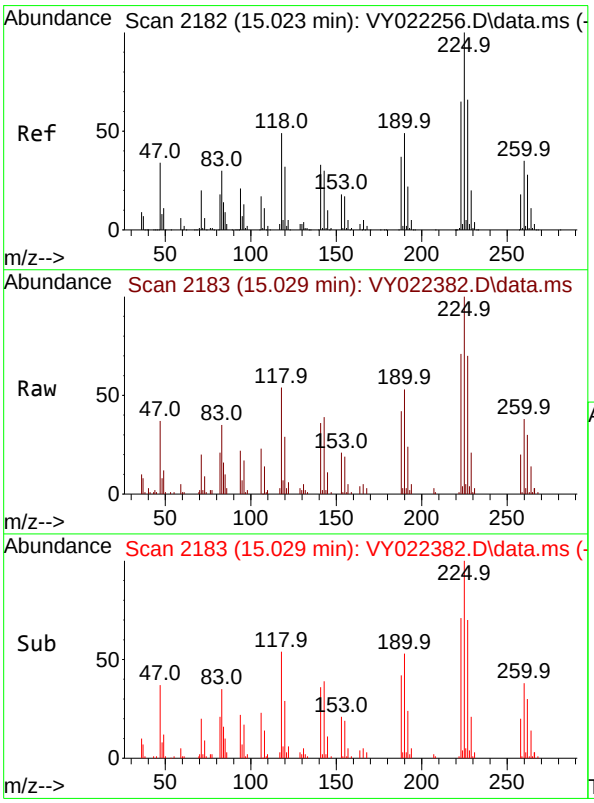
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.0
145	29.0	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

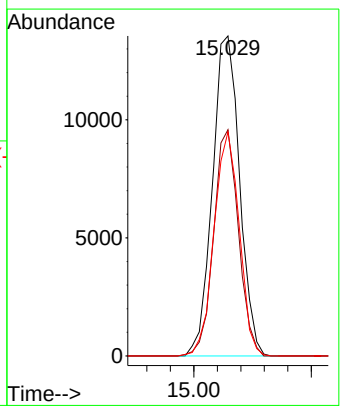
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

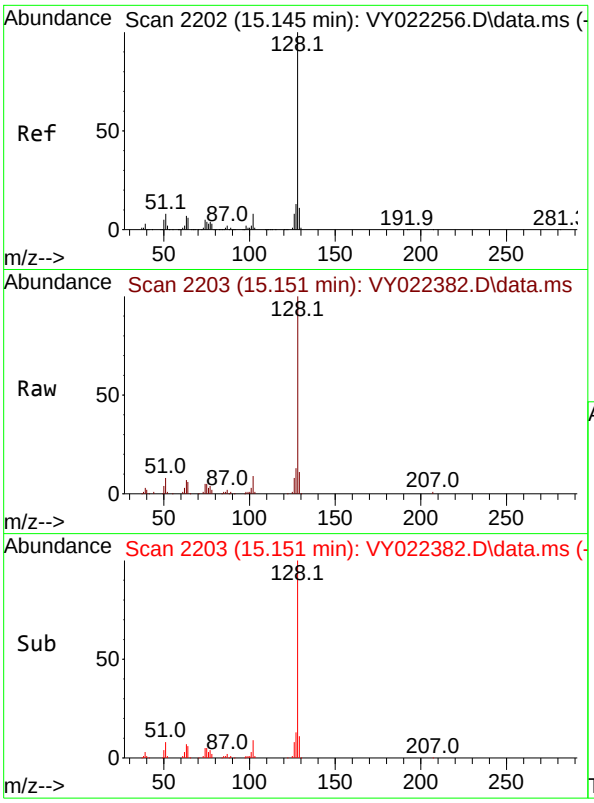


#94
Hexachlorobutadiene
Concen: 18.766 ug/l
RT: 15.029 min Scan# 2183
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:225 Resp: 21731

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.5	94.5
227	65.1	32.1	96.3

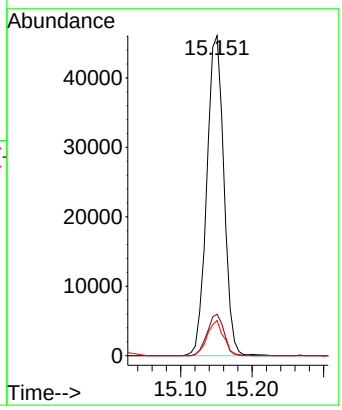




#95
Naphthalene
Concen: 19.368 ug/l
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:128 Resp: 7632

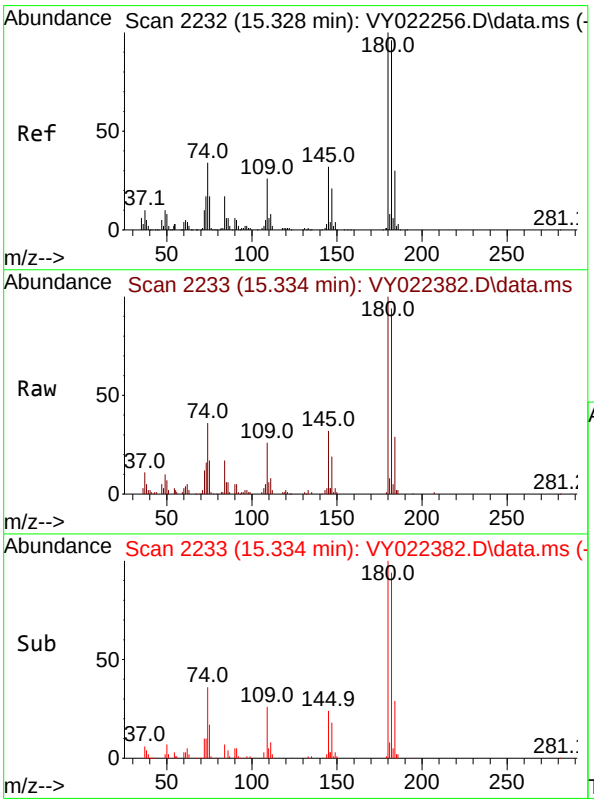
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0522SBS01

Manual Integrations
APPROVED

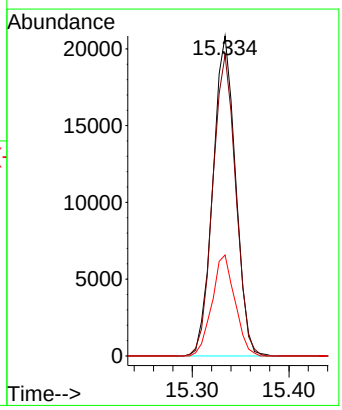
Reviewed By :John Carlone 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.191 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY022382.D
Acq: 22 May 2025 09:36

Tgt Ion:180 Resp: 33805

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	31.9	15.9	47.6



Raw Data: **VX046288.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	VX0521WBSD01	SDG No.:	Q2075
Lab Sample ID:	VX0521WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046288.D	1		05/21/25 11:36	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	20.4		0.15	1.00	ug/L
108-88-3	Toluene	21.1		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	1.00	ug/L
1330-20-7	Total Xylenes	62.1		0.36	3.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.12	1.00	ug/L
103-65-1	n-propylbenzene	20.7		0.13	1.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.0		0.15	1.00	ug/L
98-06-6	tert-Butylbenzene	20.5		0.14	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.9		0.14	1.00	ug/L
135-98-8	sec-Butylbenzene	21.1		0.13	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.7		0.13	1.00	ug/L
104-51-8	n-Butylbenzene	20.2		0.15	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		75 - 124	110%	SPK: 50
2037-26-5	Toluene-d8	54.1		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.8		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82700	5.544			
540-36-3	1,4-Difluorobenzene	142000	6.757			
3114-55-4	Chlorobenzene-d5	128000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	61000	12.018			

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046288.D
Acq On : 21 May 2025 11:36
Operator : JC/MD
Sample : VX0521WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 01:46:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	82656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83584	54.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.480%			
35) Dibromofluoromethane	5.379	113	56528	55.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.220%			
50) Toluene-d8	8.647	98	191946	54.067	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.140%			
62) 4-Bromofluorobenzene	11.079	95	75974	55.790	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24490	19.358	ug/l	96
3) Chloromethane	1.307	50	22507	18.346	ug/l	97
4) Vinyl Chloride	1.374	62	20344	17.817	ug/l	100
5) Bromomethane	1.599	94	9965	18.816	ug/l	100
6) Chloroethane	1.666	64	12137	19.912	ug/l	99
7) Trichlorofluoromethane	1.874	101	32612	19.326	ug/l	99
8) Diethyl Ether	2.136	74	11252	19.587	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	20926	20.038	ug/l	100
10) Methyl Iodide	2.447	142	22264	18.018	ug/l	100
11) Tert butyl alcohol	2.977	59	24113	111.476	ug/l	100
12) 1,1-Dichloroethene	2.313	96	18846	19.229	ug/l	94
13) Acrolein	2.233	56	25786	104.677	ug/l	97
14) Allyl chloride	2.660	41	37509	20.025	ug/l	98
15) Acrylonitrile	3.062	53	67614	109.317	ug/l	99
16) Acetone	2.380	43	64692	104.704	ug/l	99
17) Carbon Disulfide	2.502	76	37246	16.029	ug/l	100
18) Methyl Acetate	2.703	43	36070	25.158	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72930	21.224	ug/l	98
20) Methylene Chloride	2.782	84	22655	19.134	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	18684	18.956	ug/l	93
22) Diisopropyl ether	3.757	45	76975	21.274	ug/l	96
23) Vinyl Acetate	3.715	43	331115	104.047	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41115	20.402	ug/l	99
25) 2-Butanone	4.556	43	99981	111.462	ug/l	99
26) 2,2-Dichloropropane	4.471	77	30442	19.299	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24067	20.283	ug/l	99
28) Bromochloromethane	4.891	49	22324	23.013	ug/l	97
29) Tetrahydrofuran	5.001	42	62788	111.706	ug/l	97
30) Chloroform	5.086	83	44742	21.300	ug/l	98
31) Cyclohexane	5.458	56	34352	18.706	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37409	20.545	ug/l	98
36) 1,1-Dichloropropene	5.690	75	27211	19.744	ug/l	99
37) Ethyl Acetate	4.715	43	35103	20.616	ug/l	99
38) Carbon Tetrachloride	5.672	117	30855	19.926	ug/l	92
39) Methylcyclohexane	7.373	83	32873	18.528	ug/l	98
40) Benzene	6.031	78	82429	20.420	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046288.D
Acq On : 21 May 2025 11:36
Operator : JC/MD
Sample : VX0521WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 01:46:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	19792	22.220	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37969	21.793	ug/l		100
43) Isopropyl Acetate	6.336	43	58546	22.538	ug/l		99
44) Trichloroethene	7.117	130	19812	20.392	ug/l		100
45) 1,2-Dichloropropane	7.428	63	21442	21.361	ug/l		96
46) Dibromomethane	7.580	93	16936	21.392	ug/l		100
47) Bromodichloromethane	7.818	83	33671	21.594	ug/l		100
48) Methyl methacrylate	7.690	41	29893	22.533	ug/l		99
49) 1,4-Dioxane	7.659	88	11652	462.585	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	197701	114.659	ug/l		100
52) Toluene	8.714	92	52163	21.074	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28516	20.575	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	31756	20.731	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	22182	22.727	ug/l		97
56) Ethyl methacrylate	9.116	69	35144	22.593	ug/l		97
57) 1,3-Dichloropropane	9.305	76	37913	21.629	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	92402	116.515	ug/l		99
59) 2-Hexanone	9.427	43	147719	115.798	ug/l		99
60) Dibromochloromethane	9.519	129	23942	22.336	ug/l		99
61) 1,2-Dibromoethane	9.604	107	21638	21.330	ug/l		95
64) Tetrachloroethene	9.269	164	19011	21.054	ug/l		96
65) Chlorobenzene	10.073	112	56756	20.318	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19864	20.825	ug/l		98
67) Ethyl Benzene	10.189	91	100205	20.351	ug/l		100
68) m/p-Xylenes	10.299	106	74017	41.100	ug/l		97
69) o-Xylene	10.640	106	36854	20.991	ug/l		98
70) Styrene	10.653	104	61684	21.448	ug/l		99
71) Bromoform	10.799	173	14675	20.492	ug/l	#	97
73) Isopropylbenzene	10.957	105	98613	20.780	ug/l		99
74) N-amyl acetate	10.842	43	48166	20.540	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34432	20.705	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30516m	20.799	ug/l		
77) Bromobenzene	11.195	156	22527	20.447	ug/l		98
78) n-propylbenzene	11.299	91	114085	20.676	ug/l		99
79) 2-Chlorotoluene	11.360	91	72593	20.397	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	83425	21.043	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8892	19.731	ug/l		98
82) 4-Chlorotoluene	11.451	91	83368	21.123	ug/l		99
83) tert-Butylbenzene	11.713	119	81866	20.500	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	84105	20.949	ug/l		100
85) sec-Butylbenzene	11.890	105	103412	21.090	ug/l		99
86) p-Isopropyltoluene	12.006	119	83642	20.666	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	41719	20.748	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41622	20.269	ug/l		97
89) n-Butylbenzene	12.329	91	71821	20.230	ug/l		99
90) Hexachloroethane	12.536	117	13808	19.365	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	41689	20.661	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7612	20.662	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	22227	19.179	ug/l		99
94) Hexachlorobutadiene	13.725	225	10376	20.500	ug/l		94
95) Naphthalene	13.774	128	84035	19.771	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	23310	19.493	ug/l		99

Sample Results: **VX046288.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046288.D
Acq On : 21 May 2025 11:36
Operator : JC/MD
Sample : VX0521WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 01:46:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046288.D
Acq On : 21 May 2025 11:36
Operator : JC/MD
Sample : VX0521WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 01:46:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
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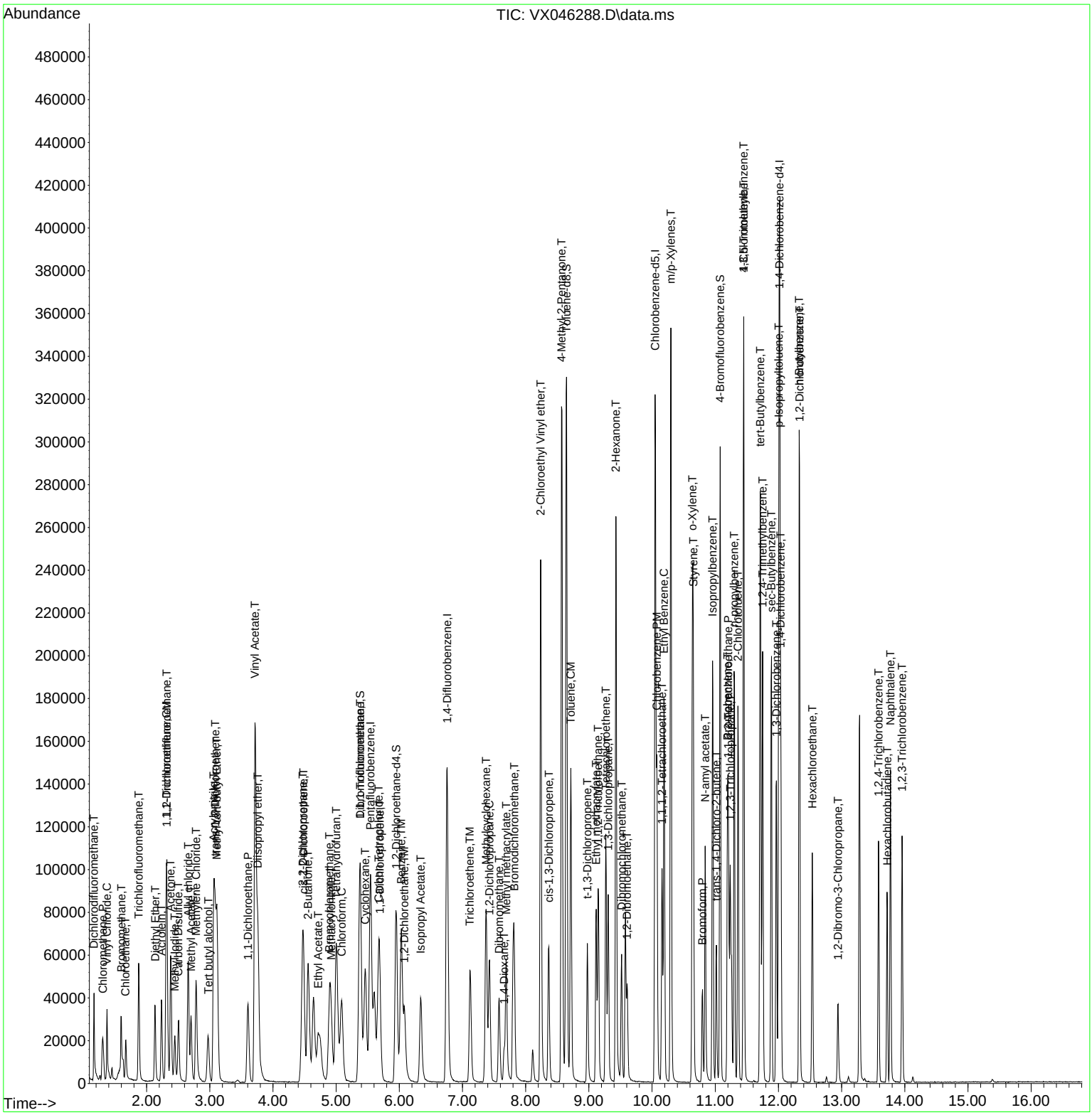
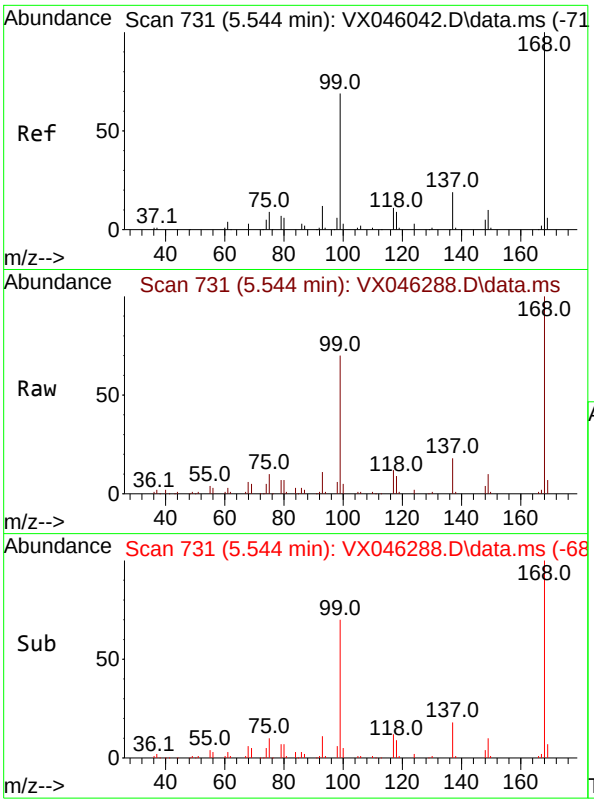
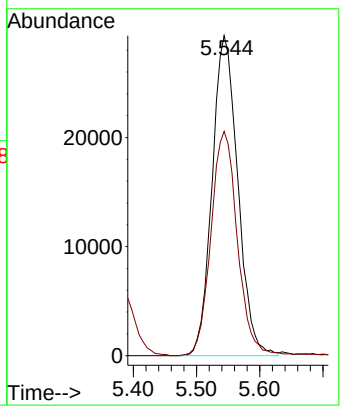




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:168 Resp: 8265

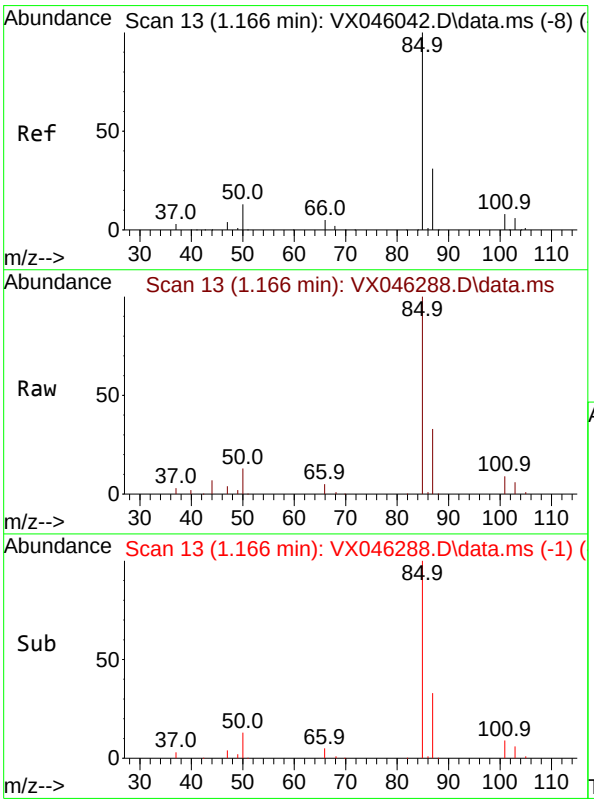
Ion	Ratio	Lower	Upper
168	100		
99	70.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
APPROVED

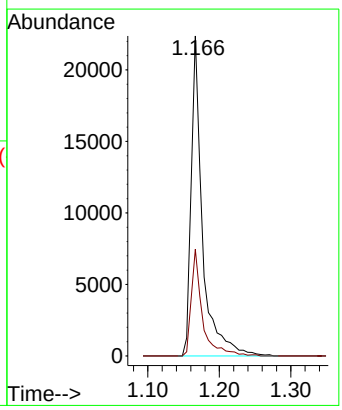
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

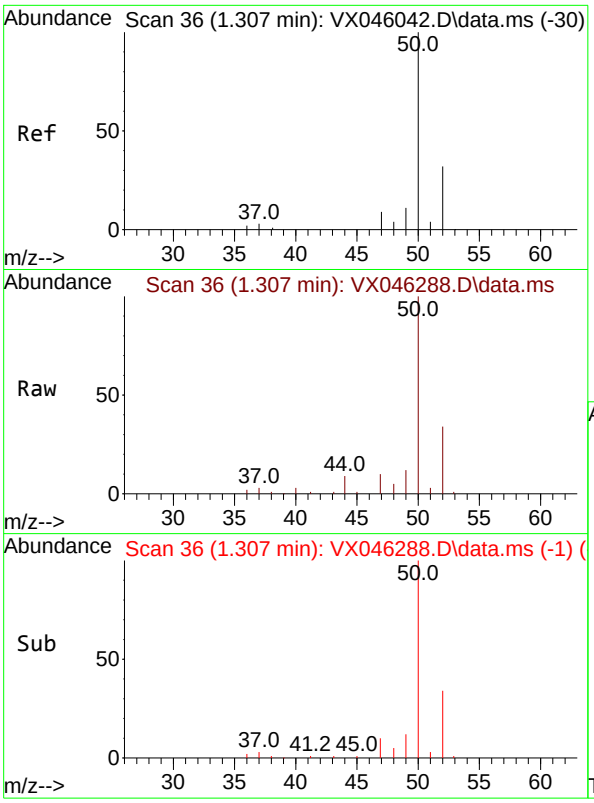


#2
Dichlorodifluoromethane
Concen: 19.358 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 85 Resp: 24490

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.7	47.1

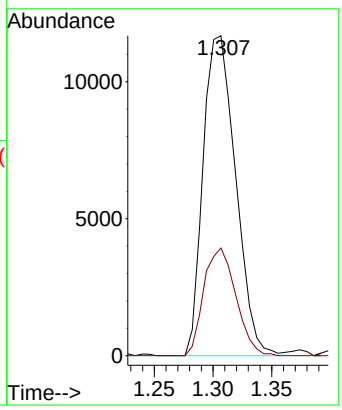




#3
Chloromethane
Concen: 18.346 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 50 Resp: 2250

Ion	Ratio	Lower	Upper
50	100		
52	33.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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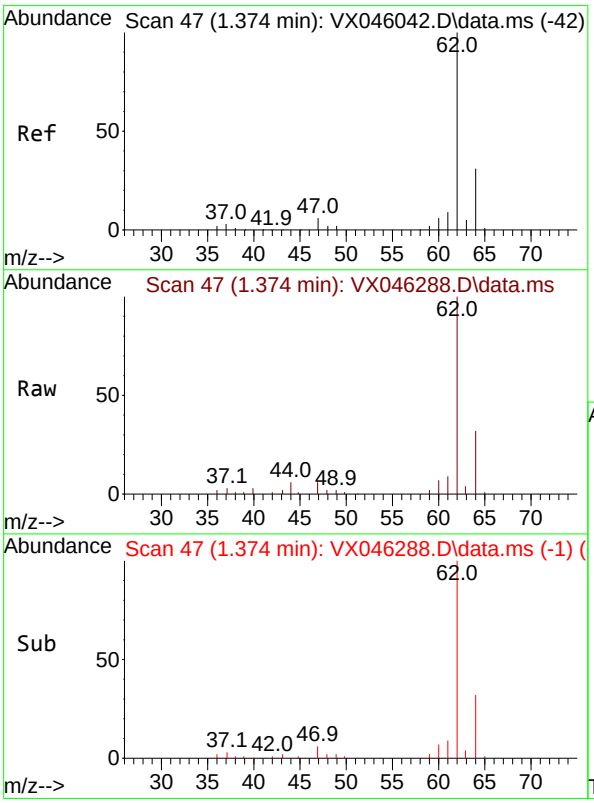
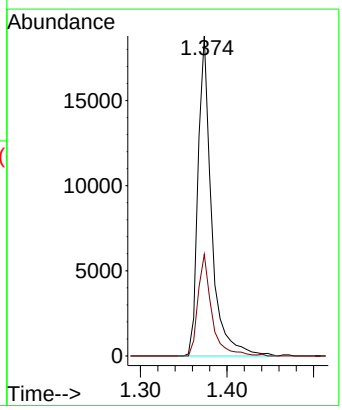
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

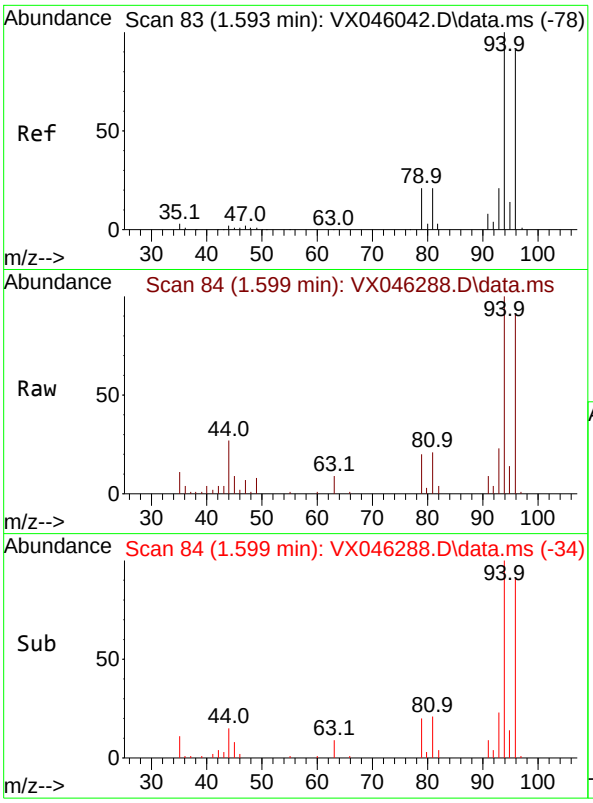


#4
Vinyl Chloride
Concen: 17.817 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 62 Resp: 20344

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.2	37.8





#5
Bromomethane
Concen: 18.816 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 94 Resp: 996

Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.8	109.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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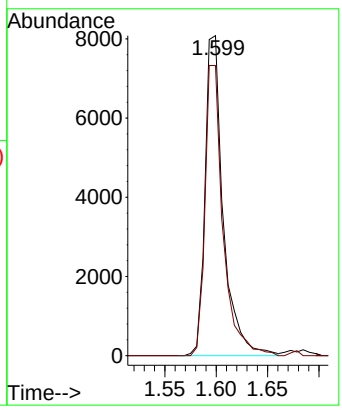
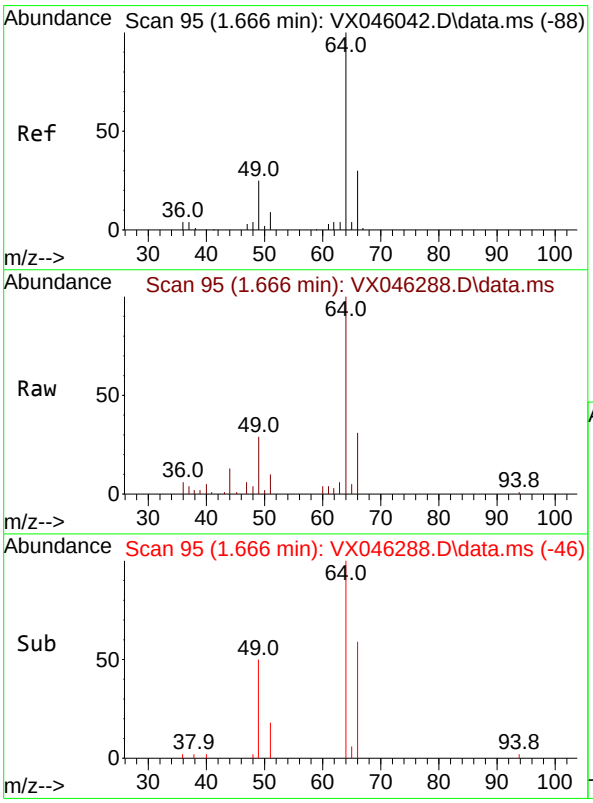
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

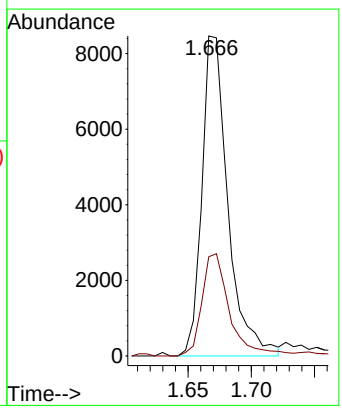


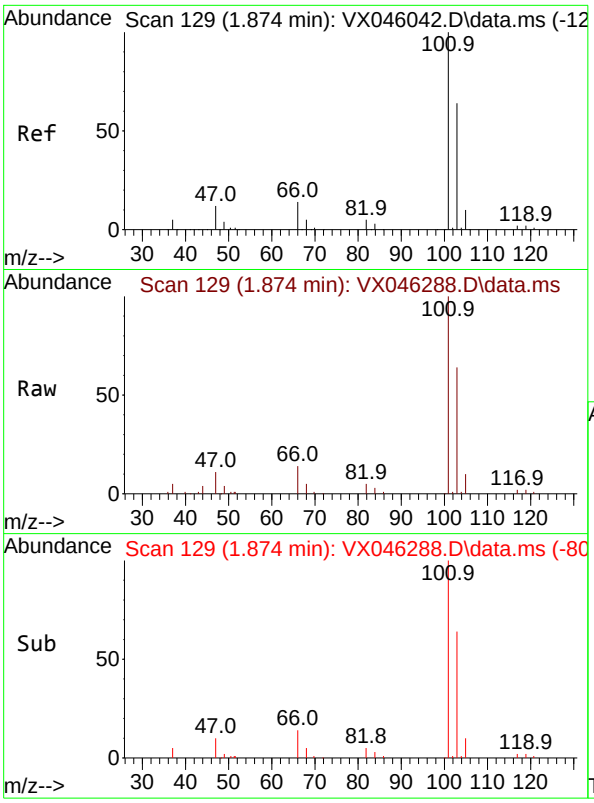


#6
Chloroethane
Concen: 19.912 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 64 Resp: 12137

Ion	Ratio	Lower	Upper
64	100		
66	31.0	24.3	36.5

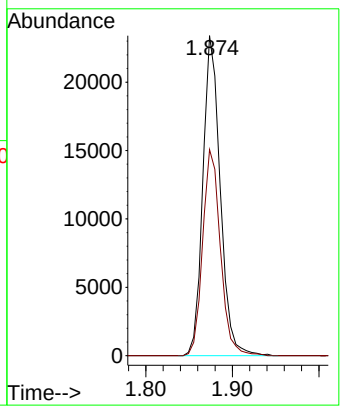




#7
Trichlorofluoromethane
Concen: 19.326 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:101 Resp: 3261

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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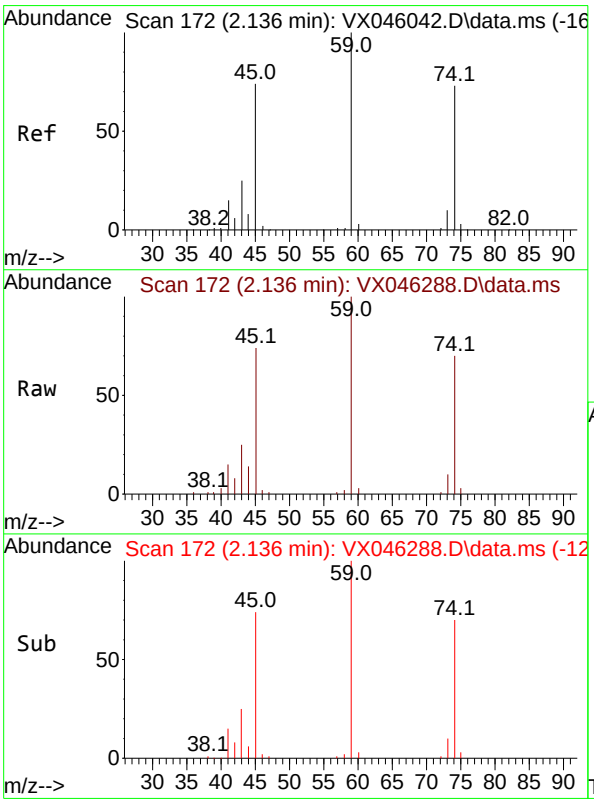
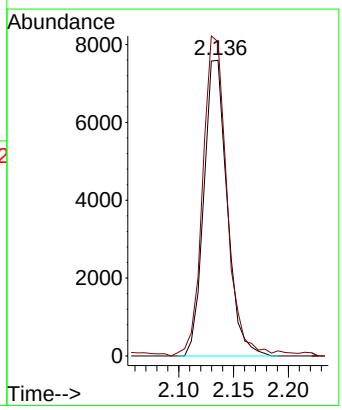
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

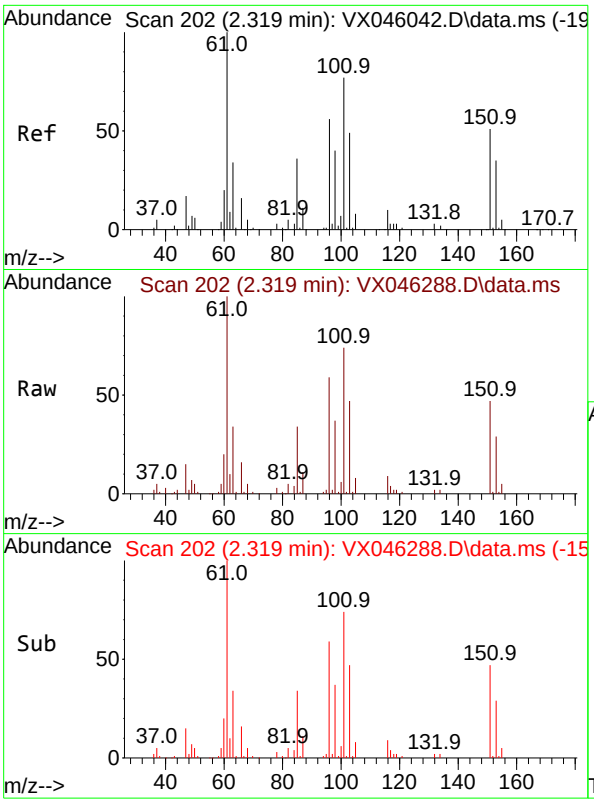


#8
Diethyl Ether
Concen: 19.587 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 74 Resp: 11252

Ion	Ratio	Lower	Upper
74	100		
45	113.6	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.038 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:101 Resp: 2092(

Ion	Ratio	Lower	Upper
101	100		
85	48.2	38.6	58.0
151	69.4	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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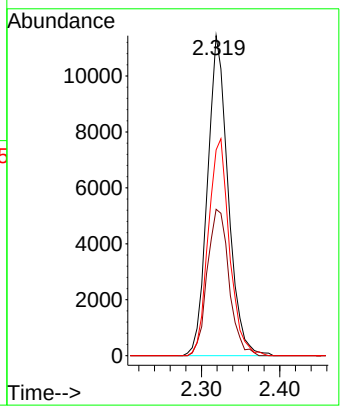
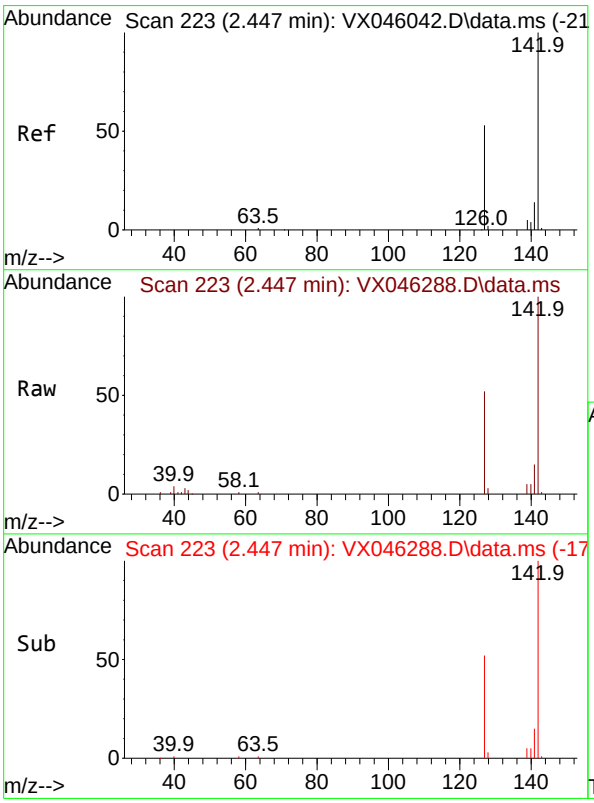
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

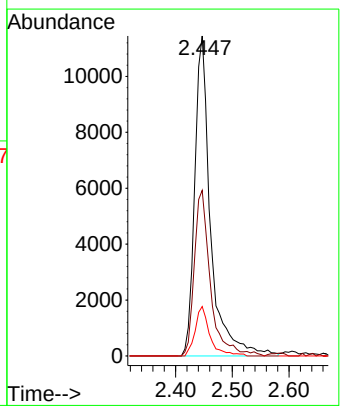


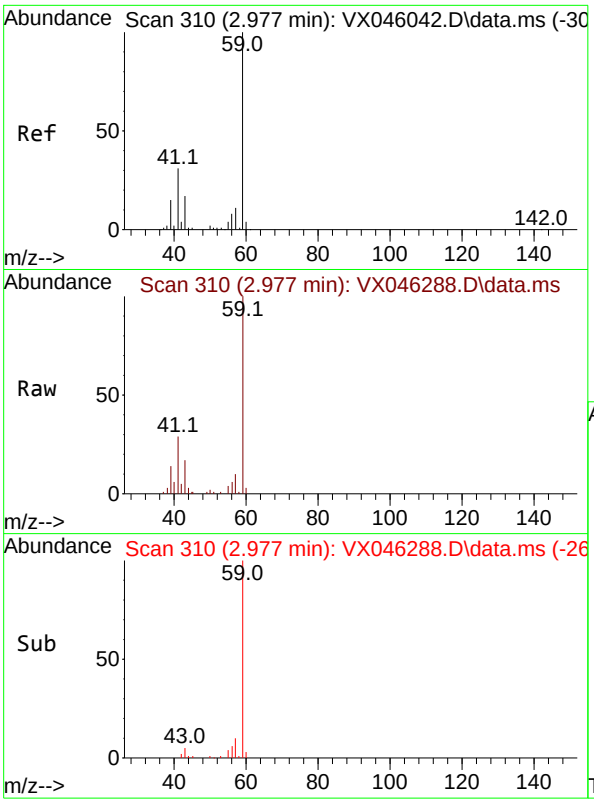


#10
Methyl Iodide
Concen: 18.018 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:142 Resp: 22264

Ion	Ratio	Lower	Upper
142	100		
127	52.5	41.7	62.5
141	14.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 111.476 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 59 Resp: 2411

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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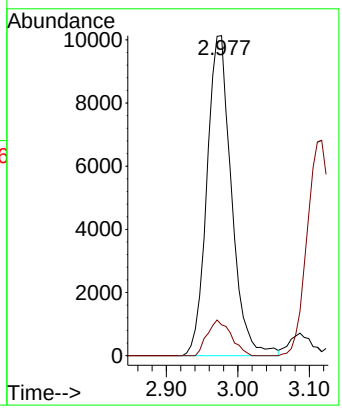
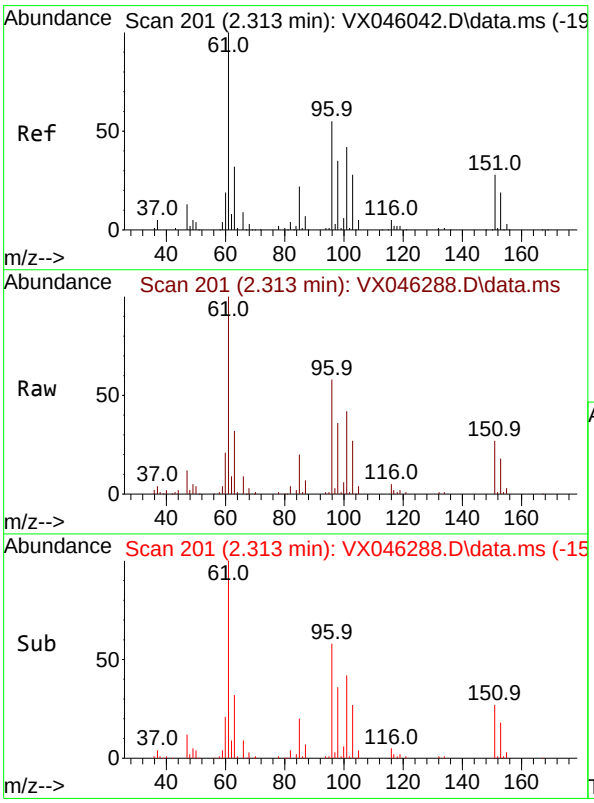
Supervised By :Mahesh Dadoda 05/22/2025

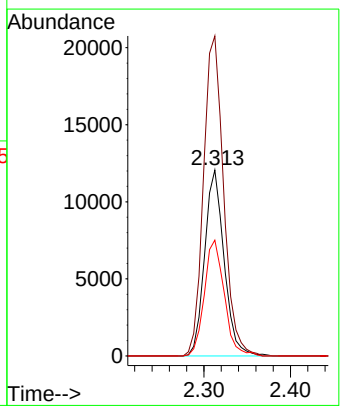


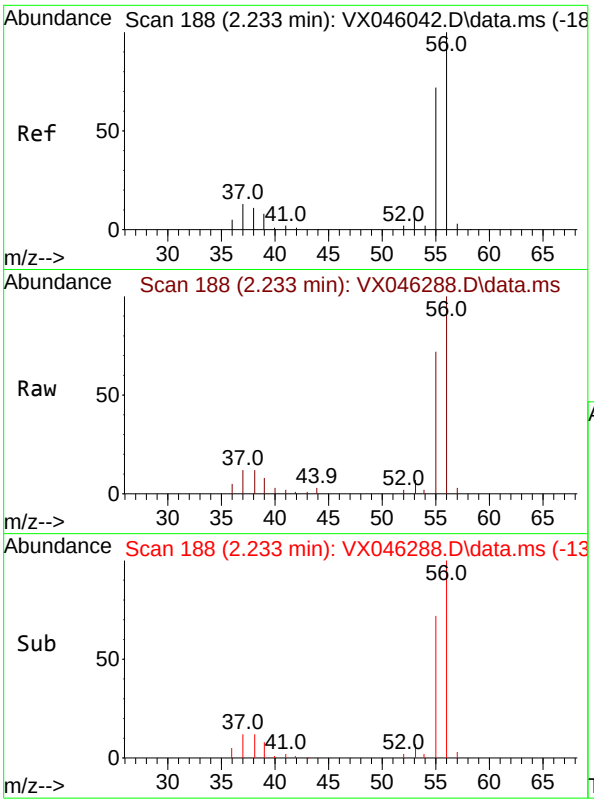


#12
1,1-Dichloroethene
Concen: 19.229 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 96 Resp: 18846

Ion	Ratio	Lower	Upper
96	100		
61	172.2	146.2	219.2
98	62.4	51.0	76.6





#13
Acrolein
Concen: 104.677 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 56 Resp: 2578

Ion	Ratio	Lower	Upper
56	100		
55	72.5	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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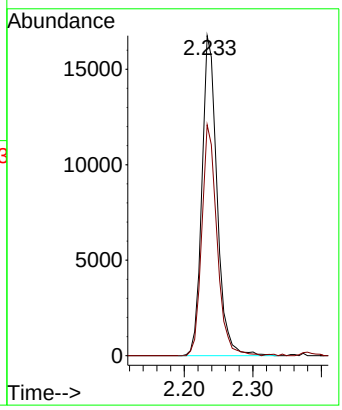
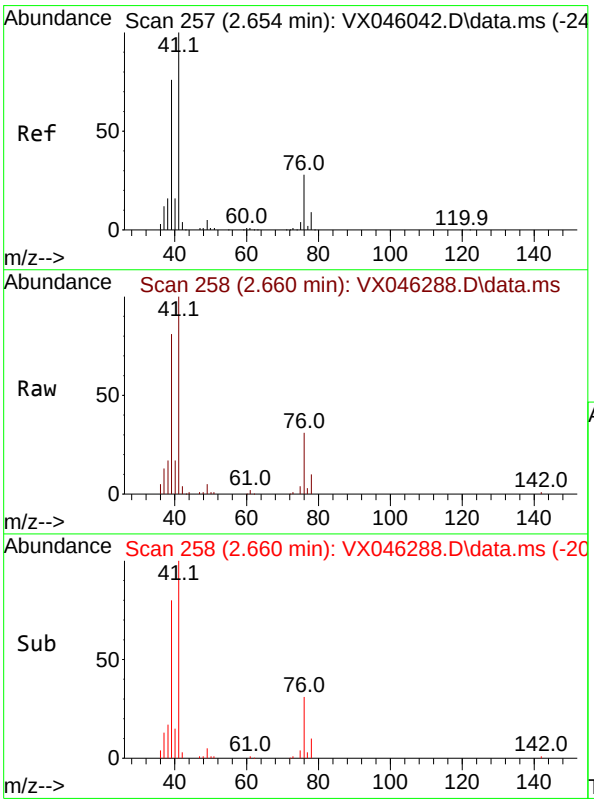
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

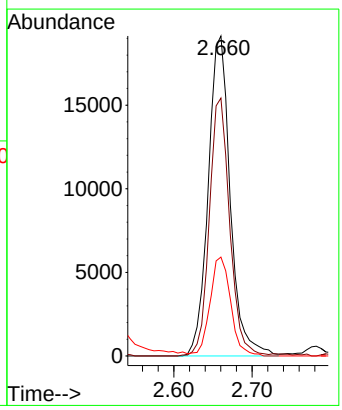


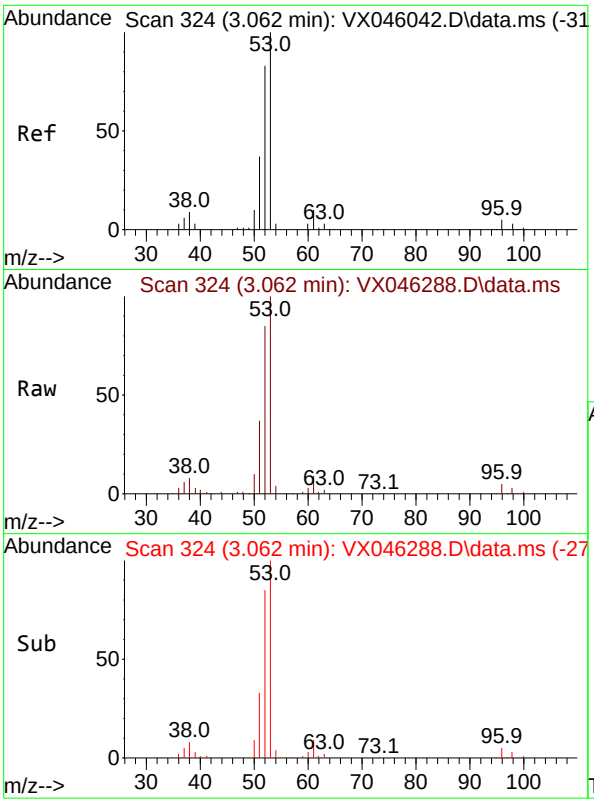


#14
Allyl chloride
Concen: 20.025 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 41 Resp: 37509

Ion	Ratio	Lower	Upper
41	100		
39	74.2	60.6	90.8
76	29.0	24.9	37.3

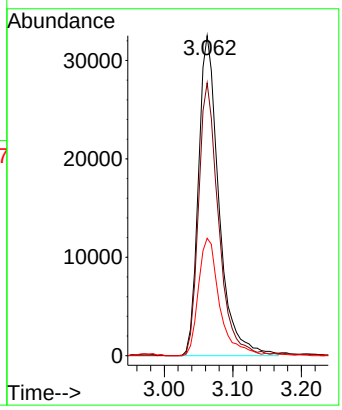




#15
Acrylonitrile
Concen: 109.317 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 53 Resp: 6761

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.3	97.9
51	37.8	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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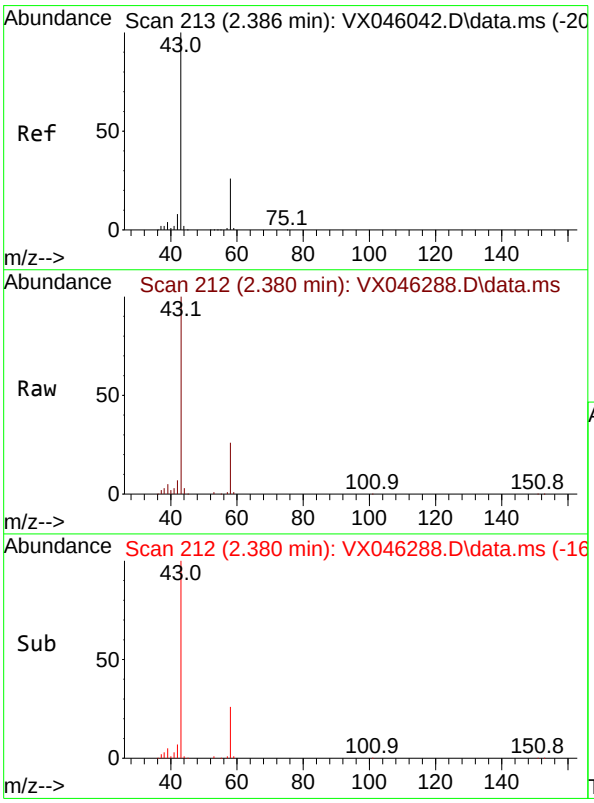
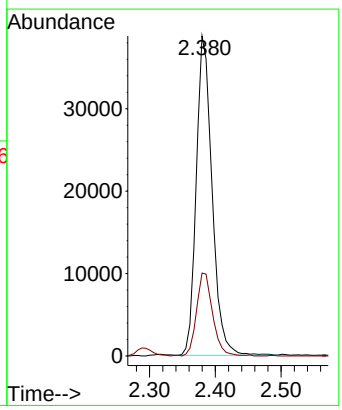
Supervised By :Mahesh Dadoda 05/22/2025

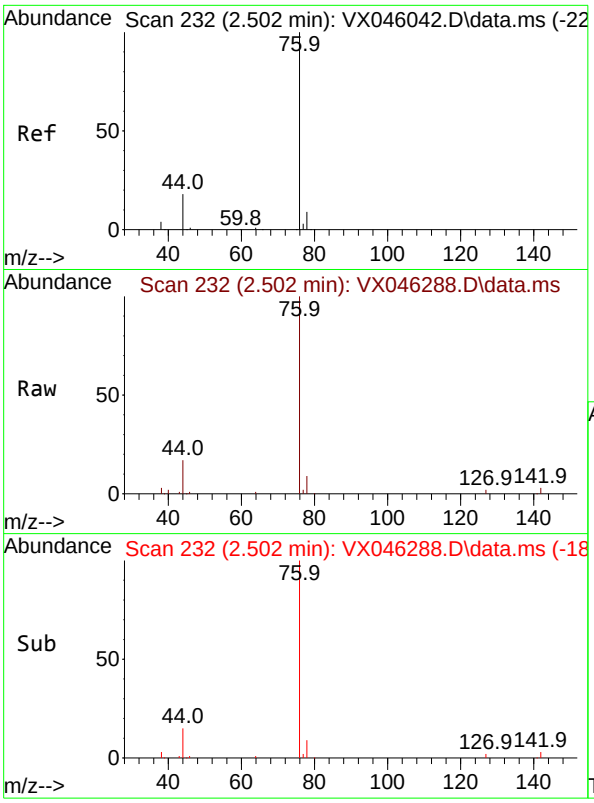


#16
Acetone
Concen: 104.704 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 64692

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8





#17
Carbon Disulfide
Concen: 16.029 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 76 Resp: 3724

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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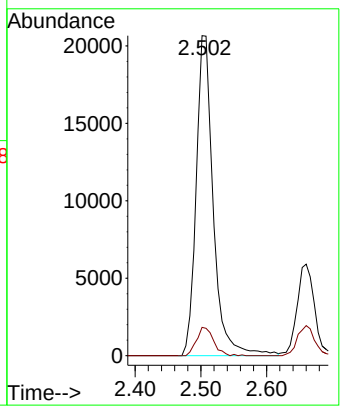
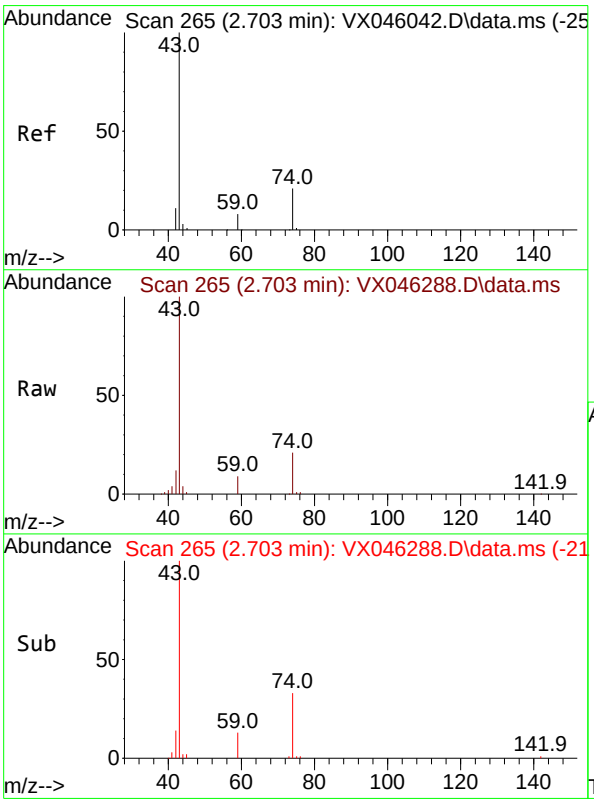
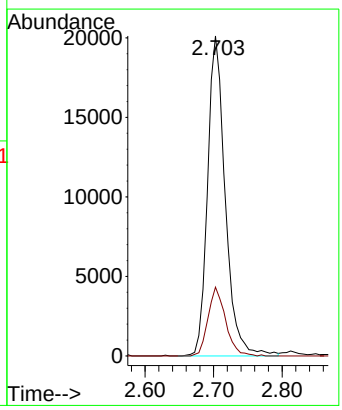


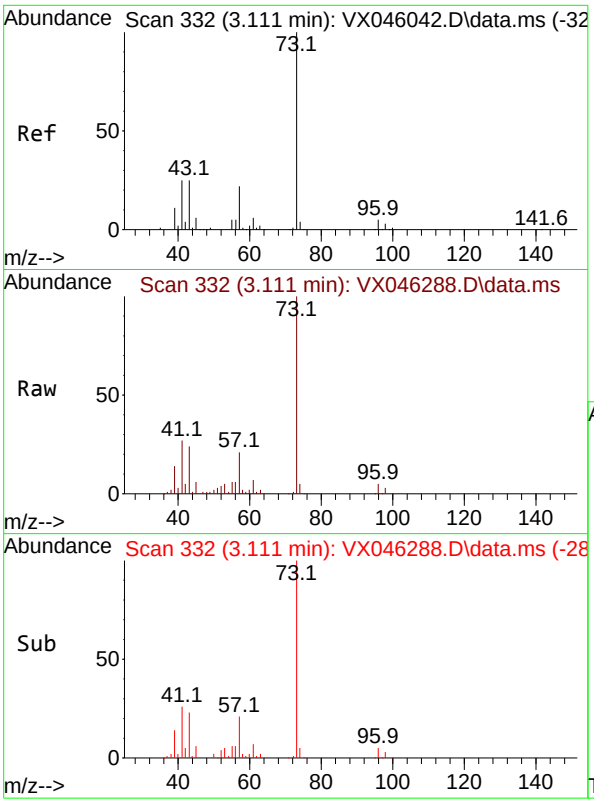


#18
Methyl Acetate
Concen: 25.158 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 36070

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 21.224 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 73 Resp: 7293

Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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Reviewed By :John Carlone 05/22/2025
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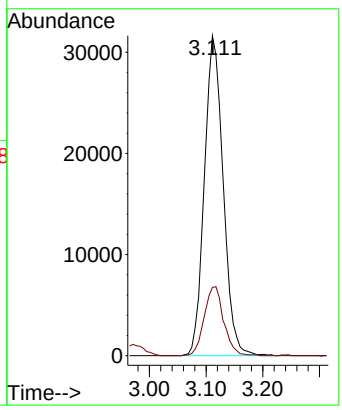
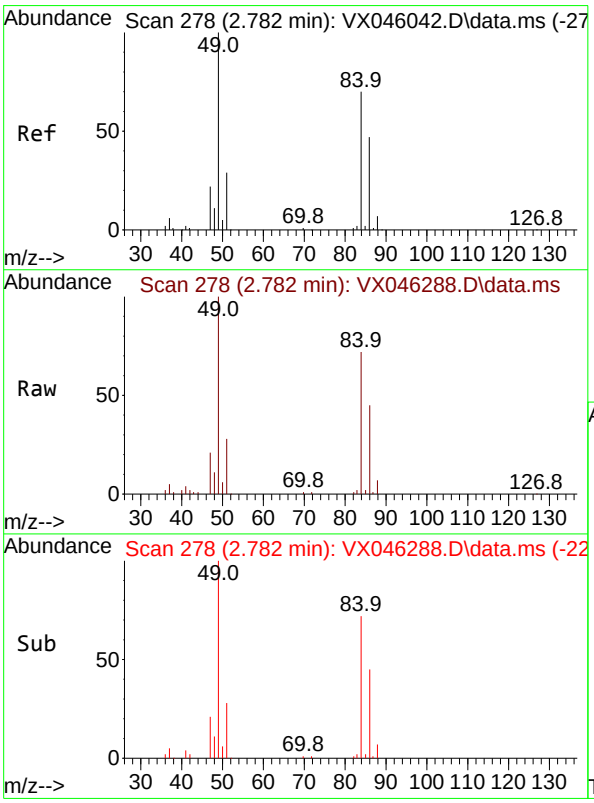
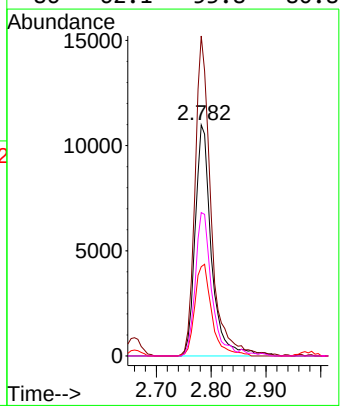


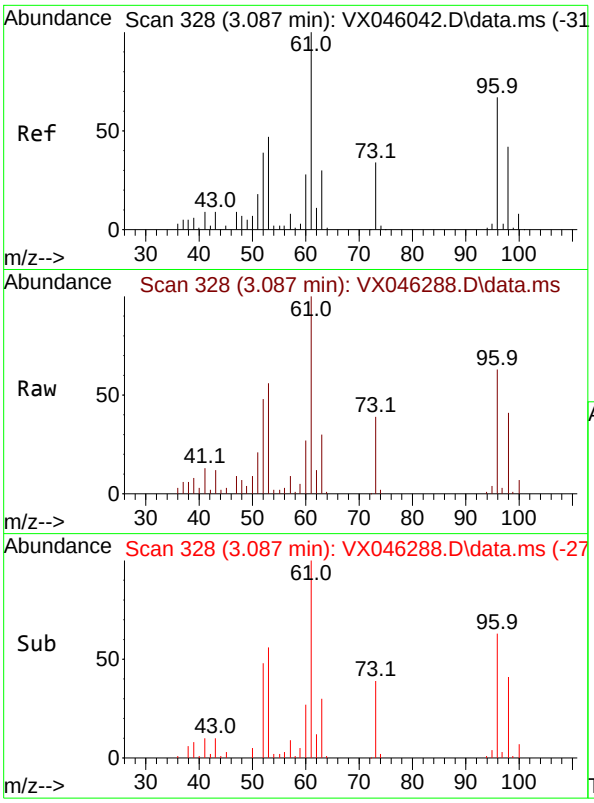


#20
Methylene Chloride
Concen: 19.134 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 84 Resp: 22655

Ion	Ratio	Lower	Upper
84	100		
49	138.5	113.9	170.9
51	38.7	33.5	50.3
86	62.1	53.8	80.8

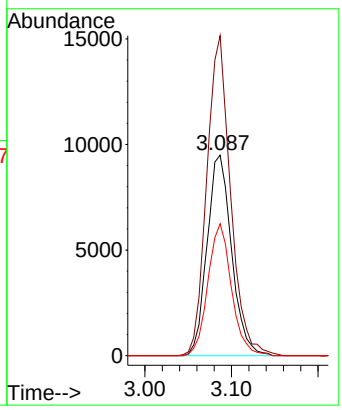




#21
trans-1,2-Dichloroethene
Concen: 18.956 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 96 Resp: 1868

Ion	Ratio	Lower	Upper
96	100		
61	159.6	119.5	179.3
98	65.8	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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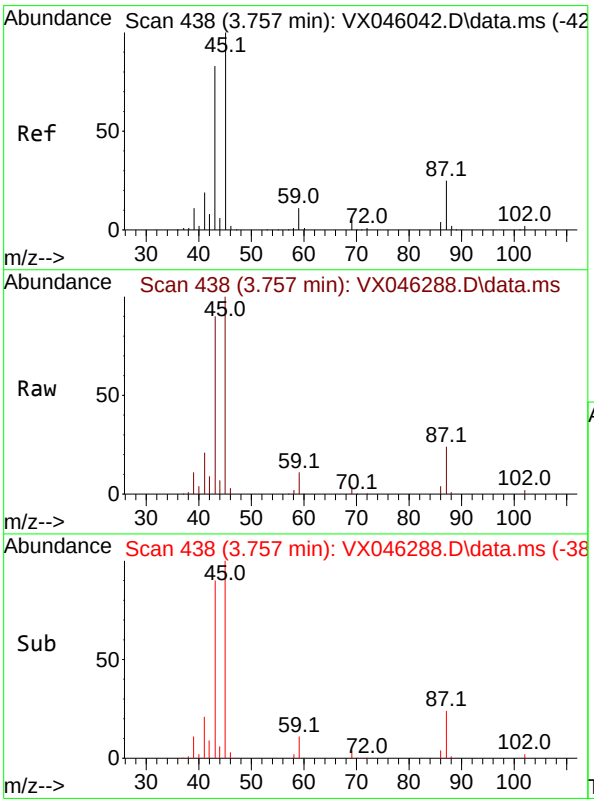
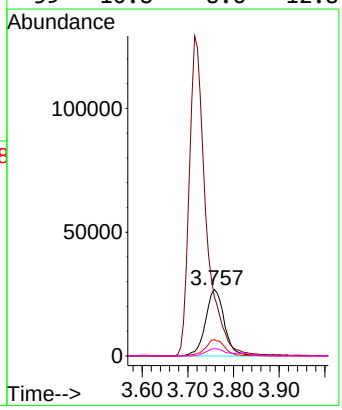
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

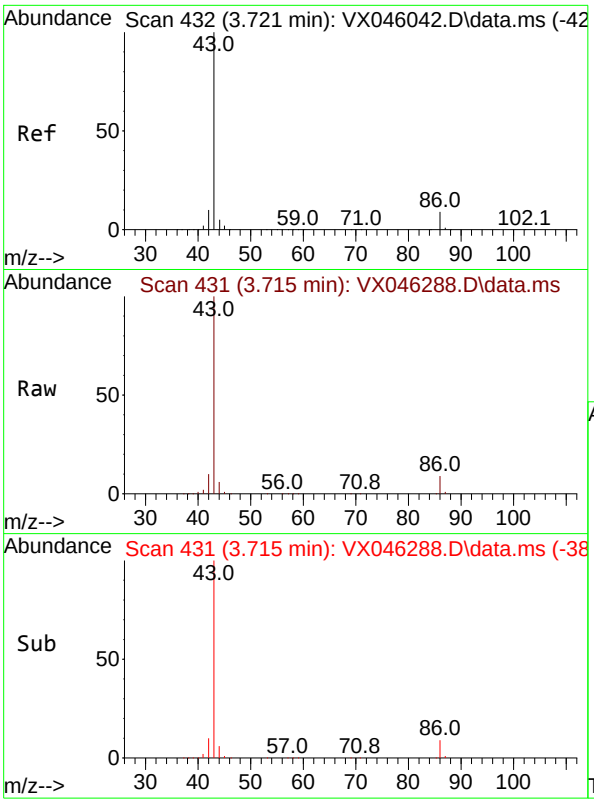


#22
Diisopropyl ether
Concen: 21.274 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 45 Resp: 76975

Ion	Ratio	Lower	Upper
45	100		
43	88.2	66.6	100.0
87	24.4	19.8	29.6
59	10.8	8.6	12.8





#23
Vinyl Acetate
Concen: 104.047 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 33111

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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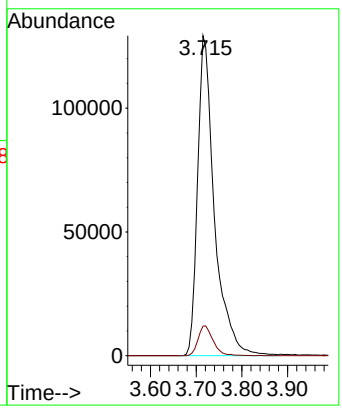
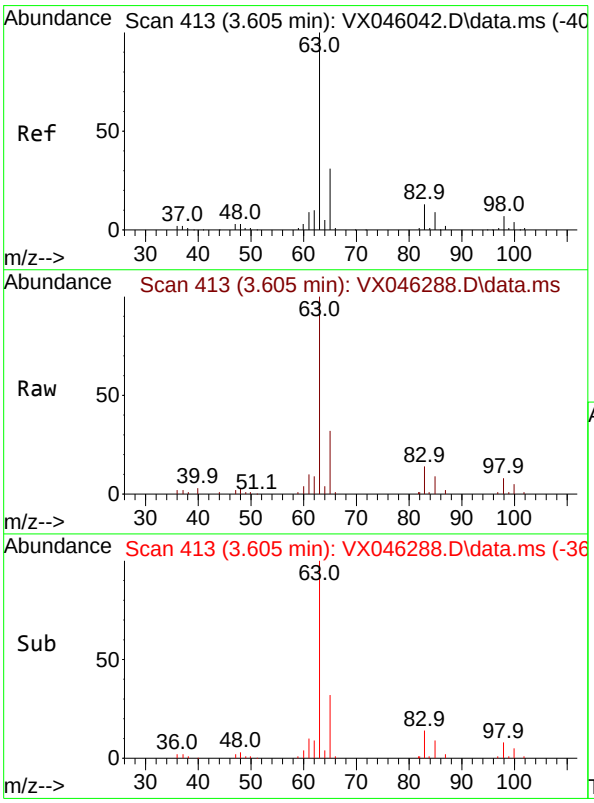
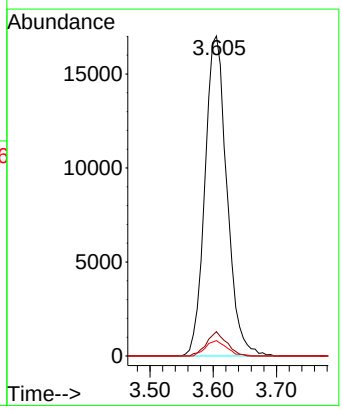


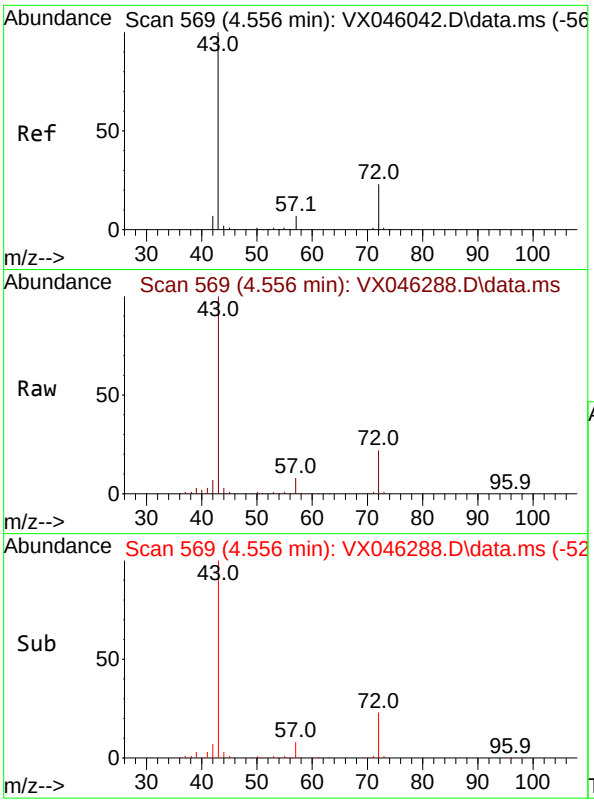


#24
1,1-Dichloroethane
Concen: 20.402 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 63 Resp: 41115

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.8
100	4.8	2.1	6.3

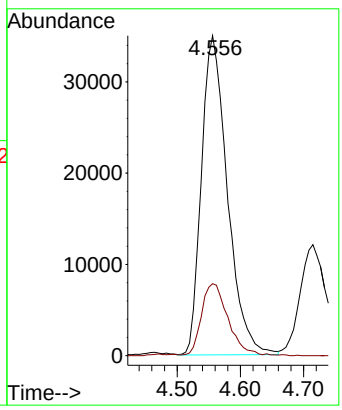




#25
2-Butanone
Concen: 111.462 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 9998

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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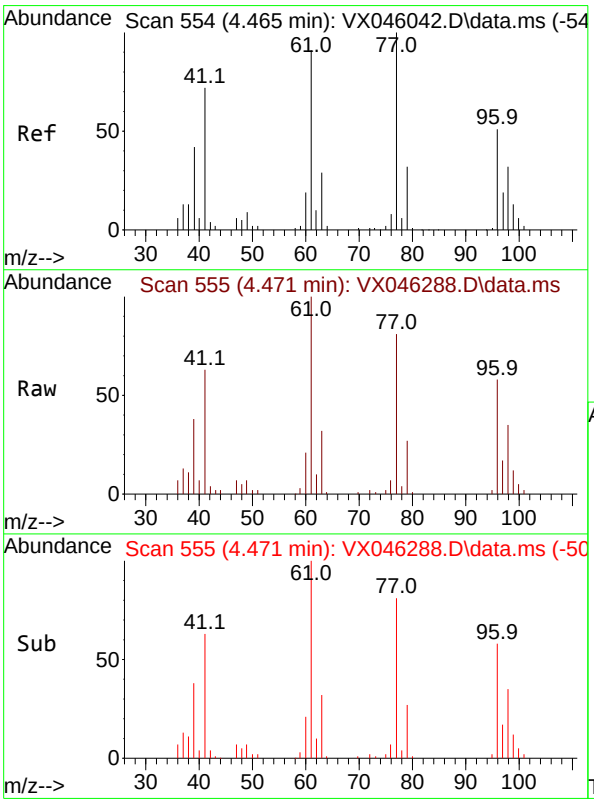
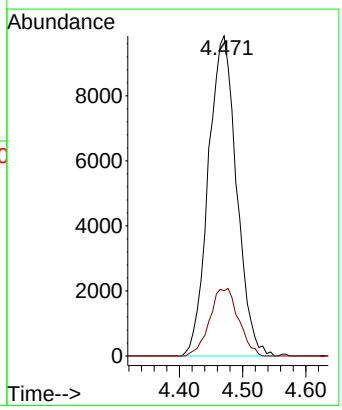
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

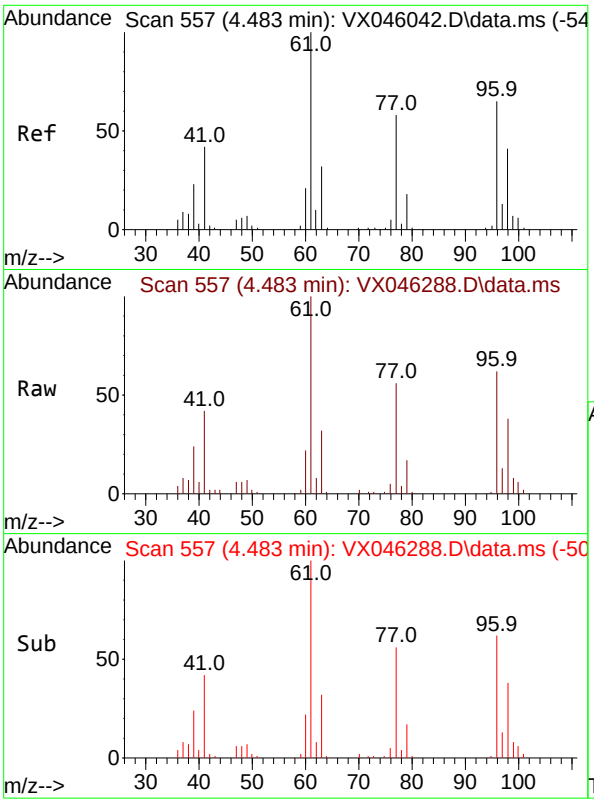


#26
2,2-Dichloropropane
Concen: 19.299 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 77 Resp: 30442

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.5	31.5

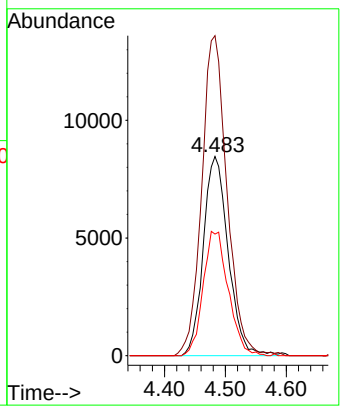




#27
cis-1,2-Dichloroethene
Concen: 20.283 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 96 Resp: 2406

Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	322.8
98	63.0	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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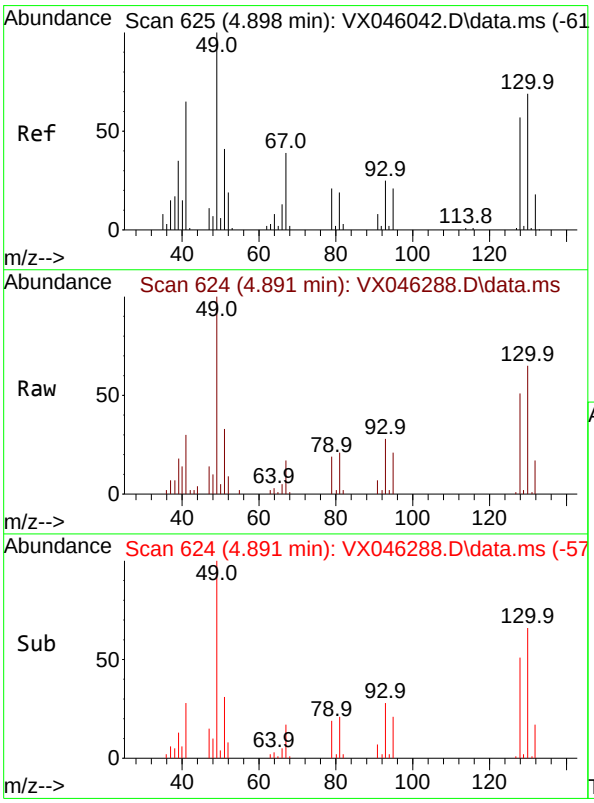
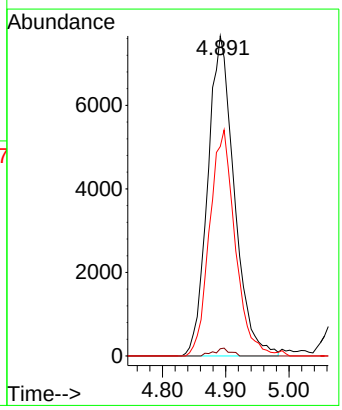
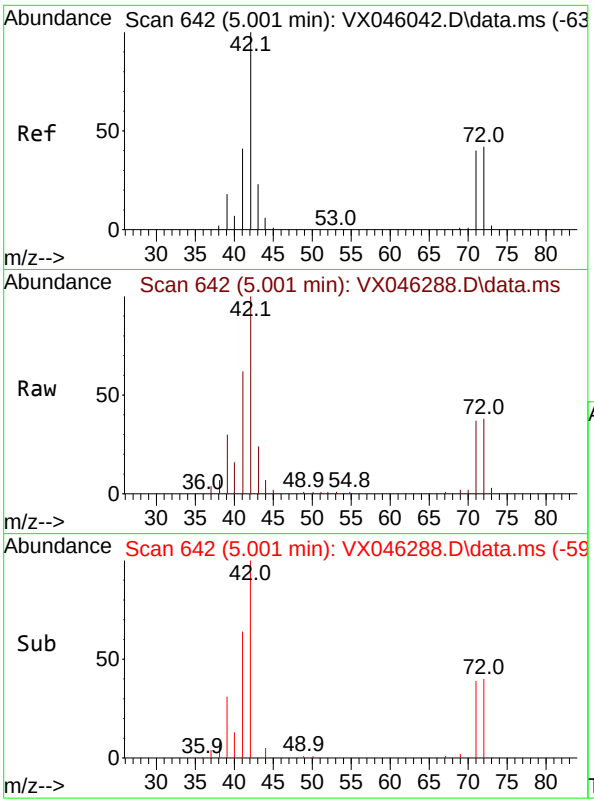


#28
Bromochloromethane
Concen: 23.013 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 49 Resp: 22324

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.0
130	67.8	56.2	84.2





#29
Tetrahydrofuran
Concen: 111.706 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 42 Resp: 6278

Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.7	50.5
71	37.8	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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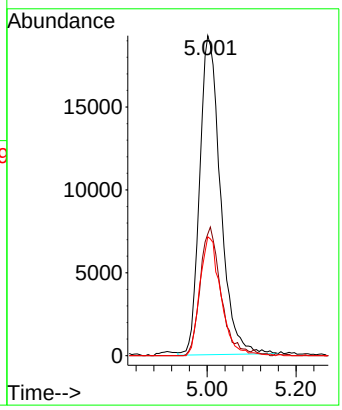
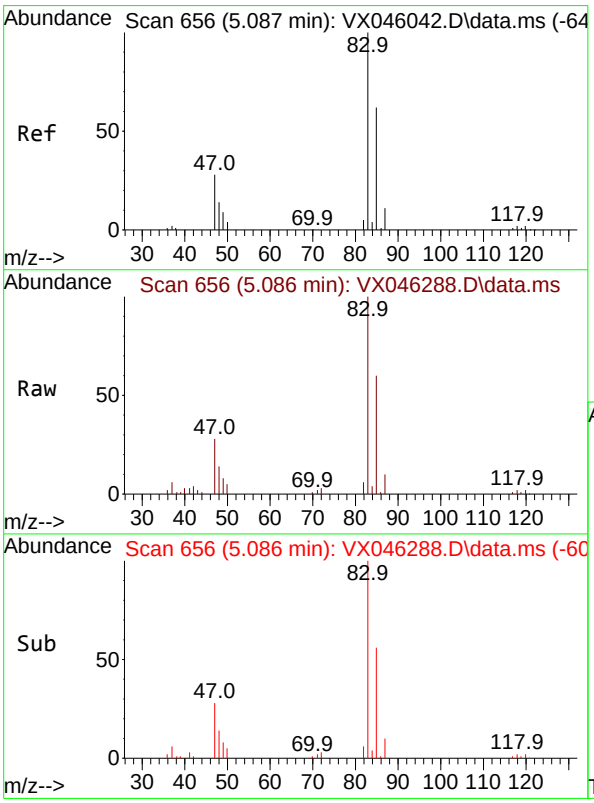
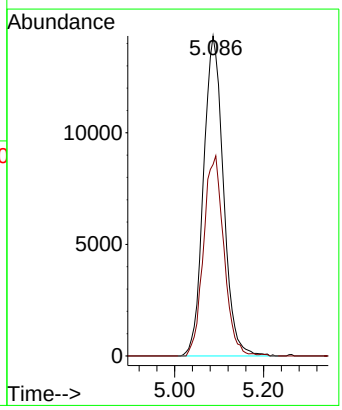


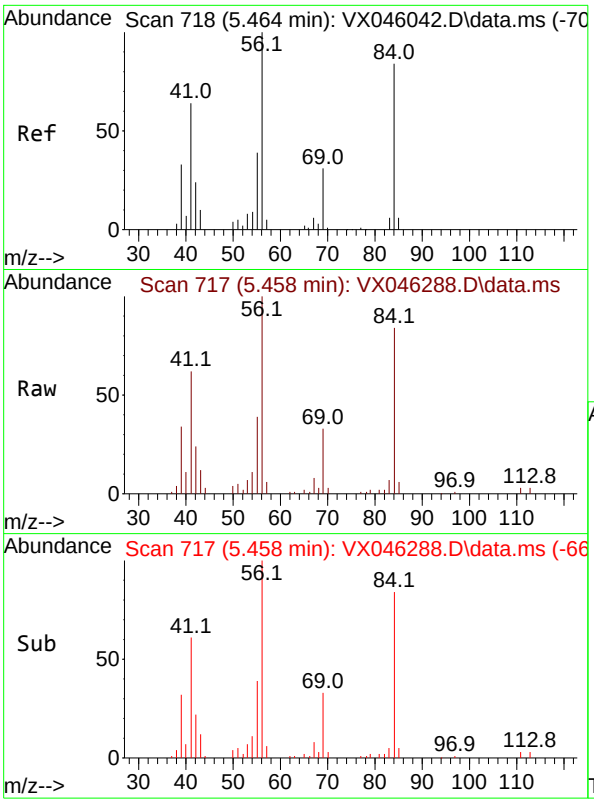


#30
Chloroform
Concen: 21.300 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 83 Resp: 44742

Ion	Ratio	Lower	Upper
83	100		
85	59.8	49.3	73.9





#31
Cyclohexane
Concen: 18.706 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 56 Resp: 3435

Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.4	36.6
84	82.9	66.9	100.3

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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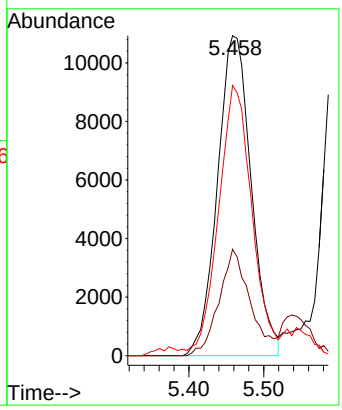
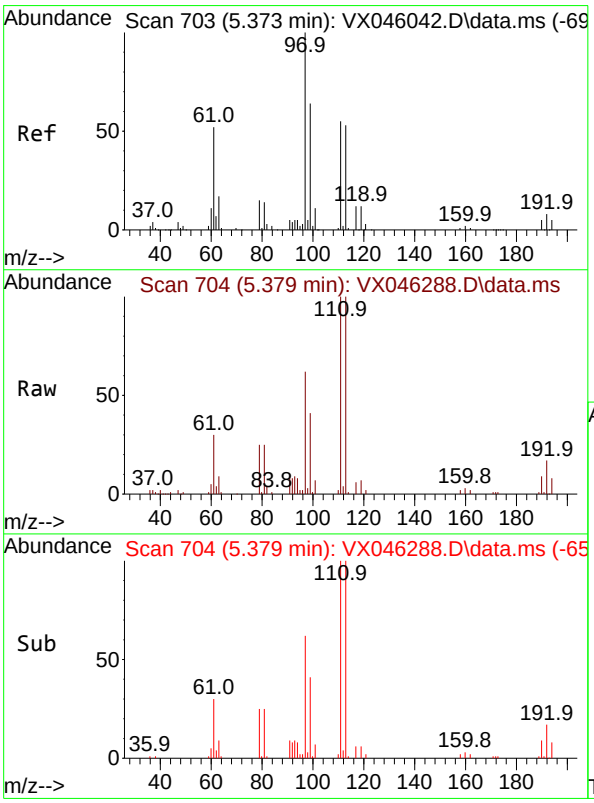
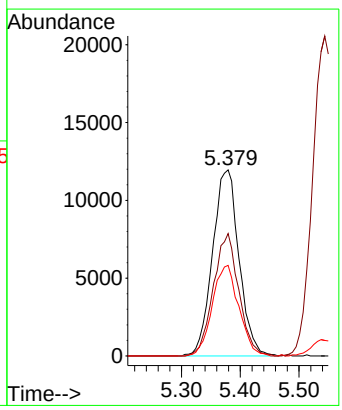


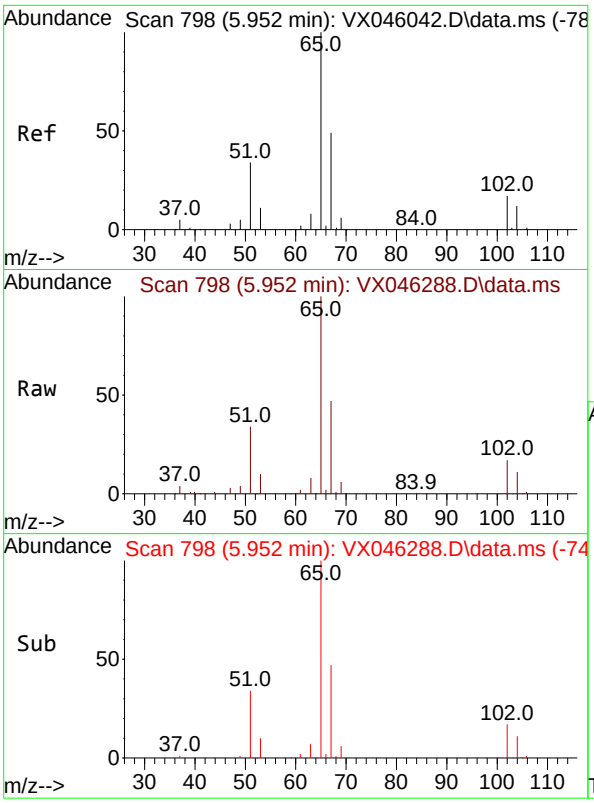


#32
1,1,1-Trichloroethane
Concen: 20.545 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 97 Resp: 37409

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.6
61	48.8	40.1	60.1

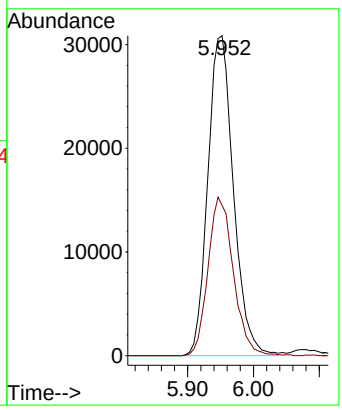




#33
1,2-Dichloroethane-d4
Concen: 54.241 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 65 Resp: 8358

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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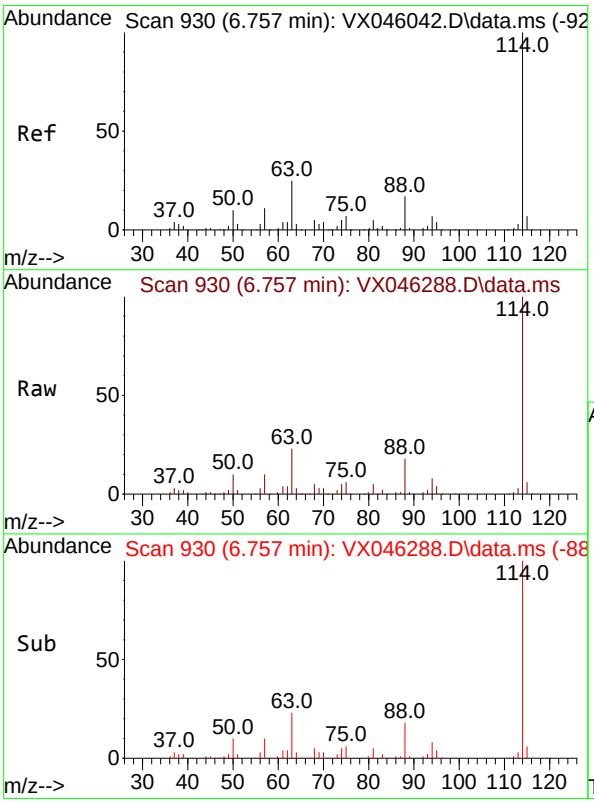
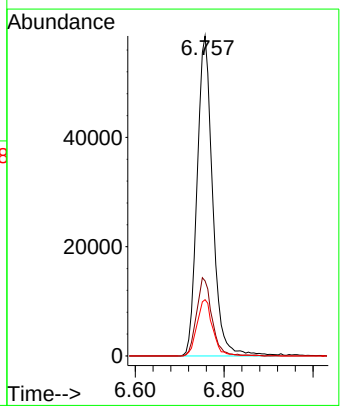
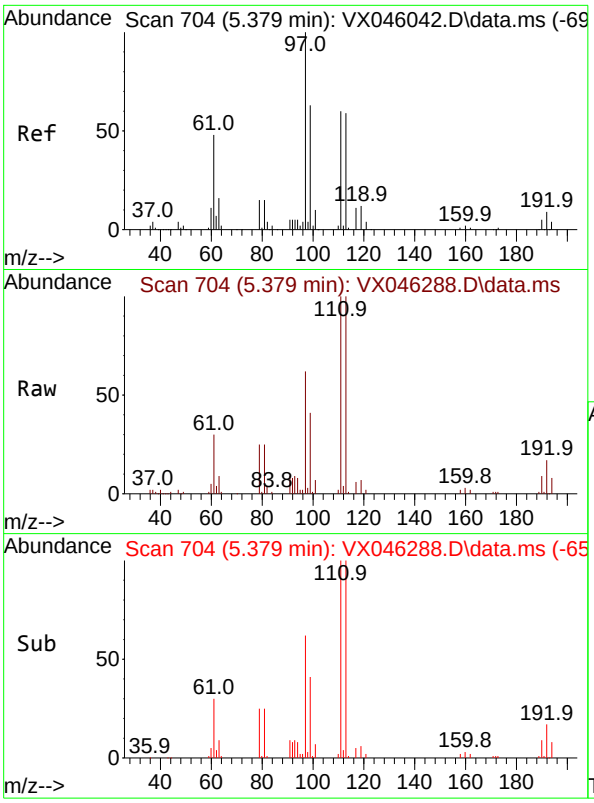


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:114 Resp: 142441

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	49.2
88	17.6	0.0	33.6

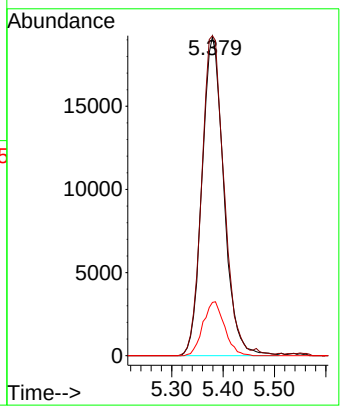




#35
Dibromofluoromethane
Concen: 55.110 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:113 Resp: 5652

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	16.7	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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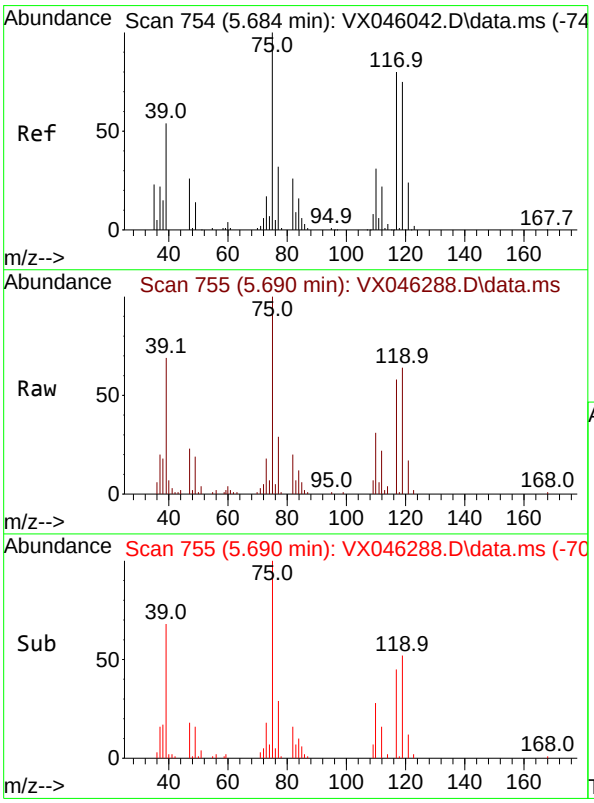
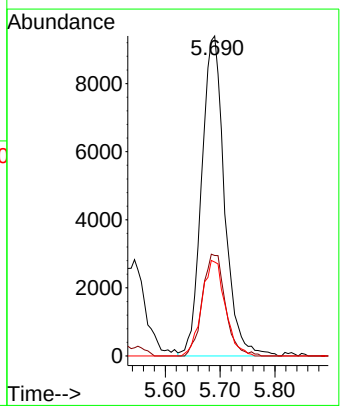
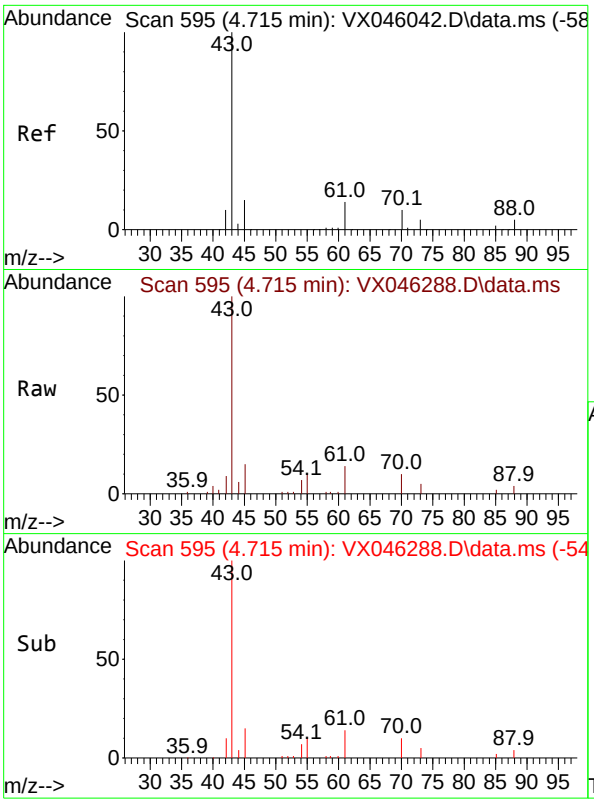


#36
1,1-Dichloropropene
Concen: 19.744 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 75 Resp: 27211

Ion	Ratio	Lower	Upper
75	100		
110	31.9	16.3	48.9
77	30.6	24.3	36.5

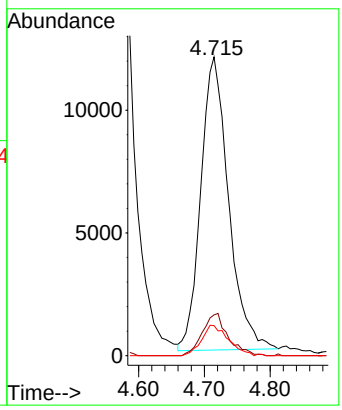




#37
Ethyl Acetate
Concen: 20.616 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 3510

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	10.1	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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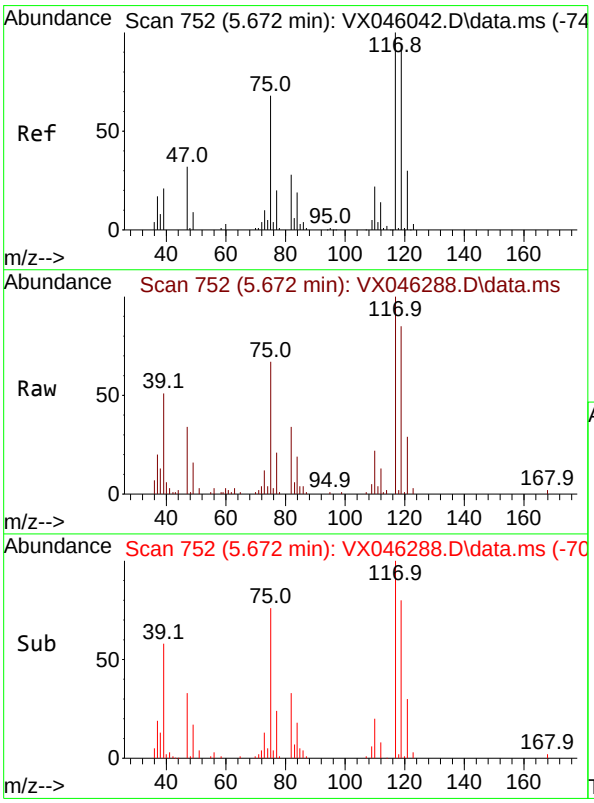
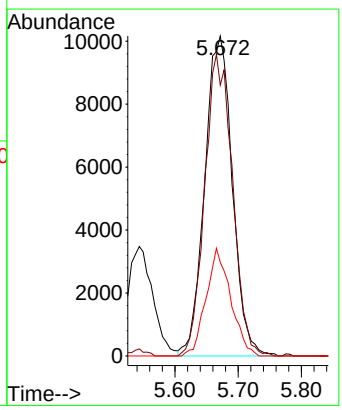
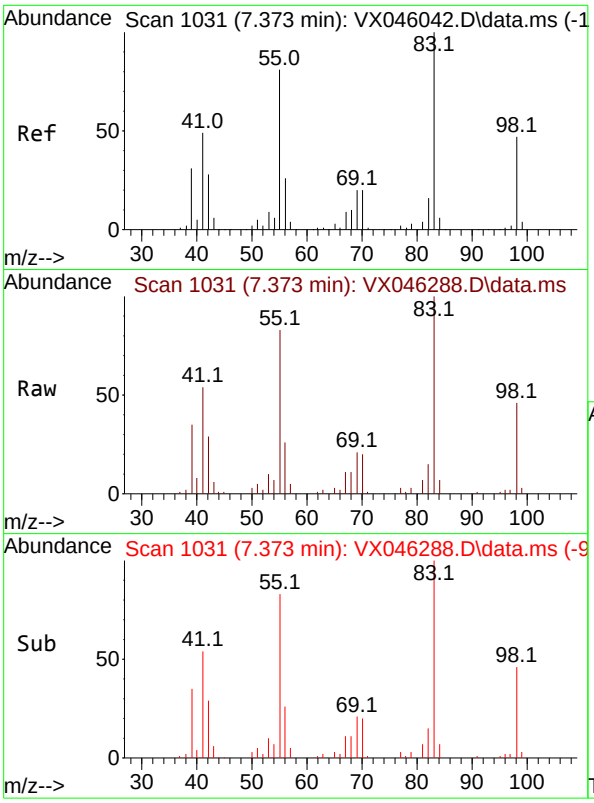


#38
Carbon Tetrachloride
Concen: 19.926 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:117 Resp: 30855

Ion	Ratio	Lower	Upper
117	100		
119	84.6	75.2	112.8
121	29.2	24.2	36.4





#39
Methylcyclohexane
Concen: 18.528 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 83 Resp: 3287

Ion	Ratio	Lower	Upper
83	100		
55	82.8	64.7	97.1
98	45.5	37.4	56.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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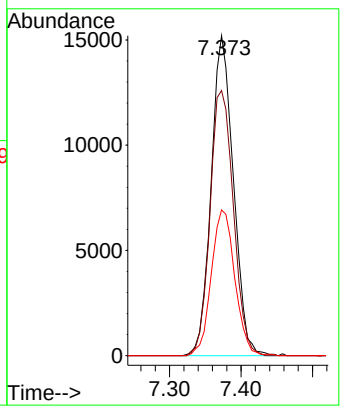
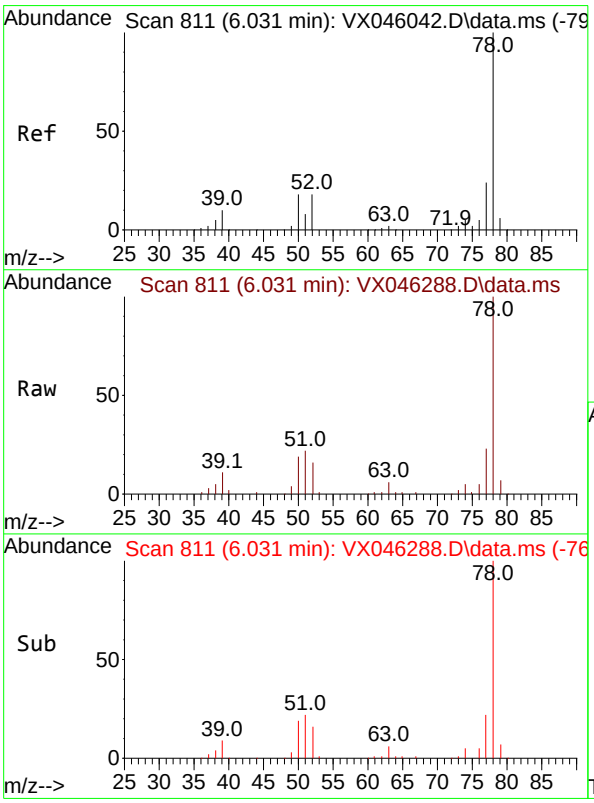
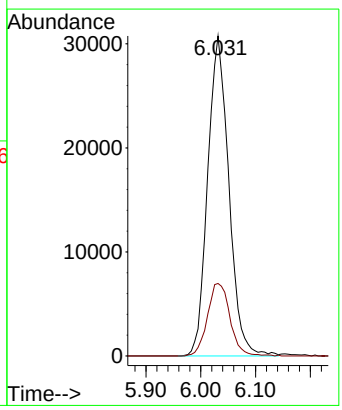


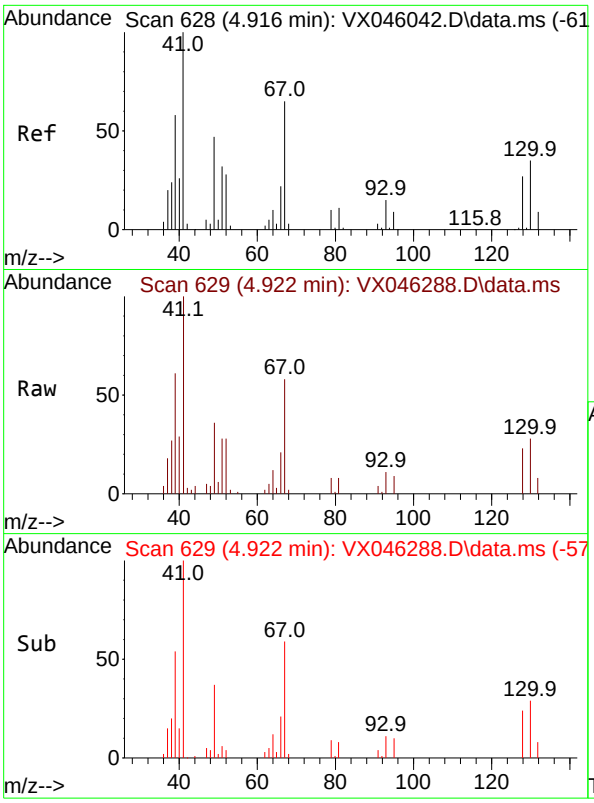


#40
Benzene
Concen: 20.420 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 78 Resp: 82429

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4

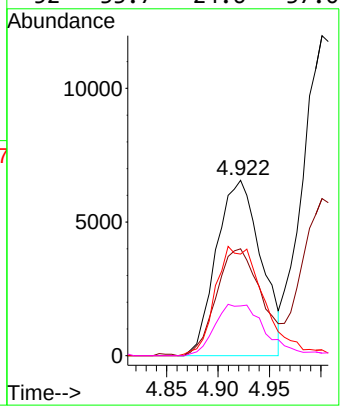




#41
Methacrylonitrile
Concen: 22.220 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 41 Resp: 1979

Ion	Ratio	Lower	Upper
41	100		
39	60.9	47.2	70.8
67	68.6	50.7	76.1
52	33.7	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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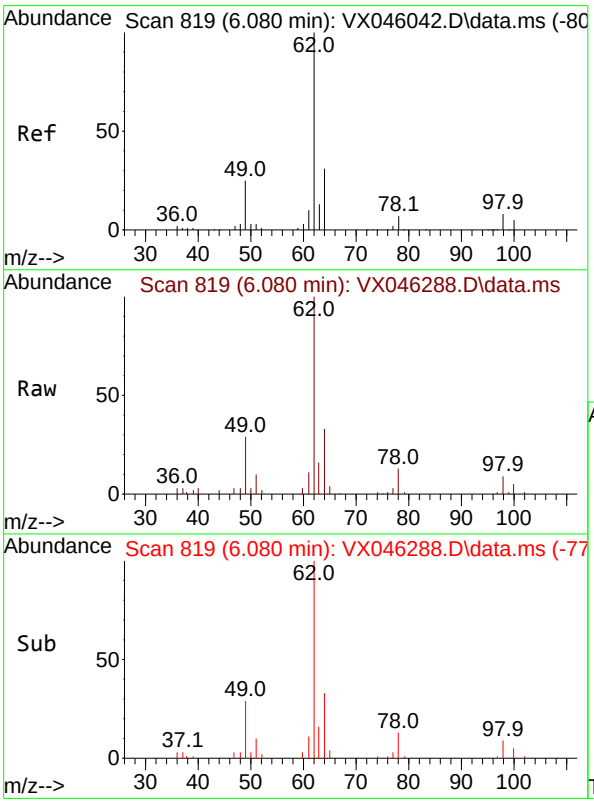
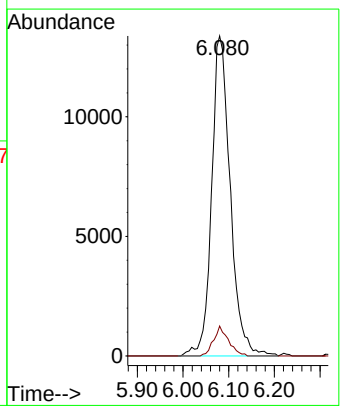
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

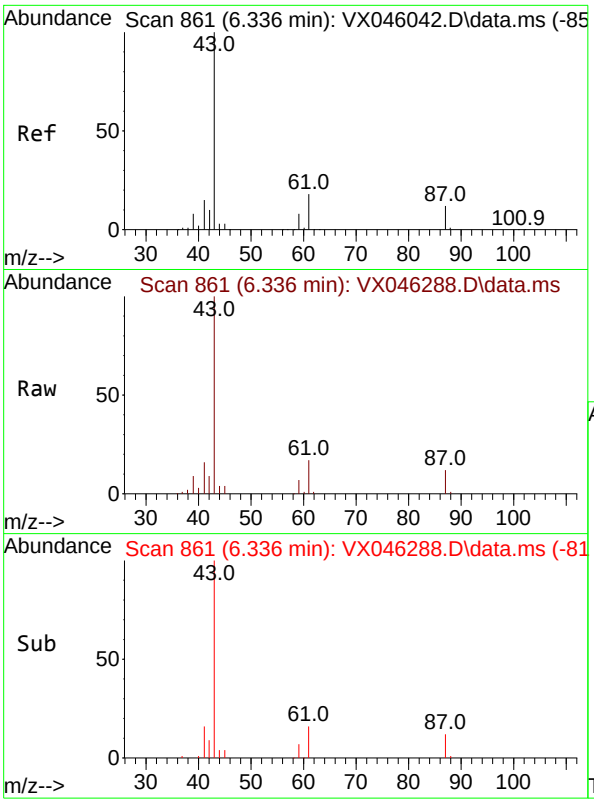


#42
1,2-Dichloroethane
Concen: 21.793 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 62 Resp: 37969

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.2





#43
Isopropyl Acetate
Concen: 22.538 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 5854

Ion	Ratio	Lower	Upper
43	100		
61	17.0	14.3	21.5
87	11.7	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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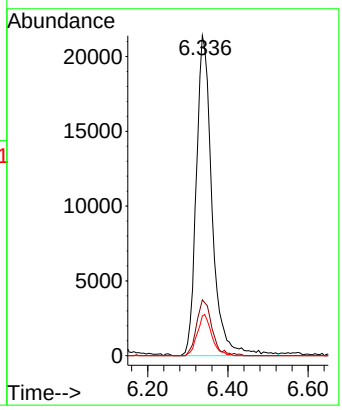
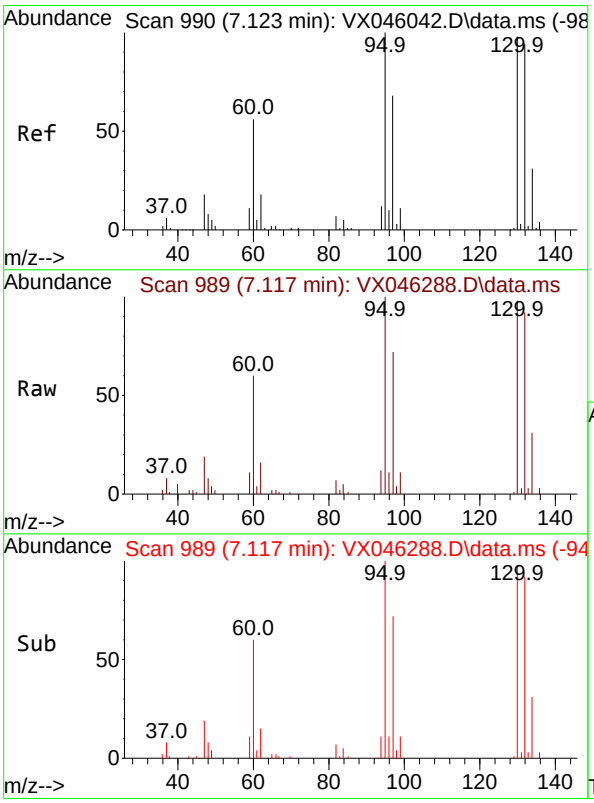
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

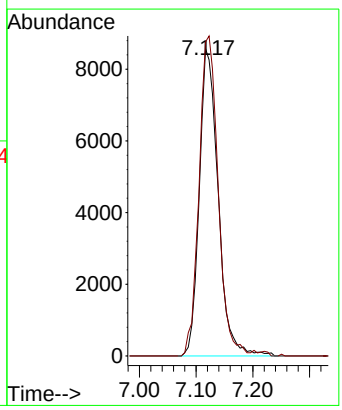


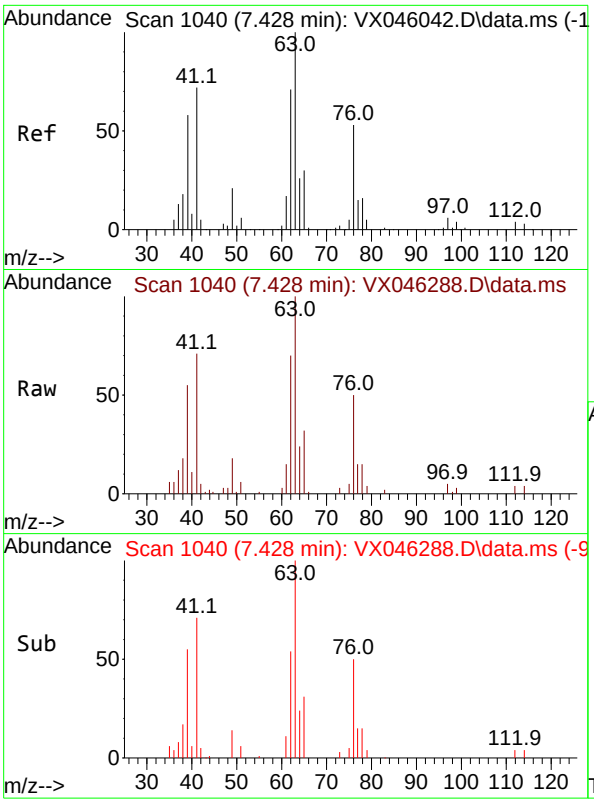


#44
Trichloroethene
Concen: 20.392 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:130 Resp: 19812

Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.2





#45
1,2-Dichloropropane
Concen: 21.361 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 63 Resp: 2144

Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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Reviewed By :John Carlone 05/22/2025
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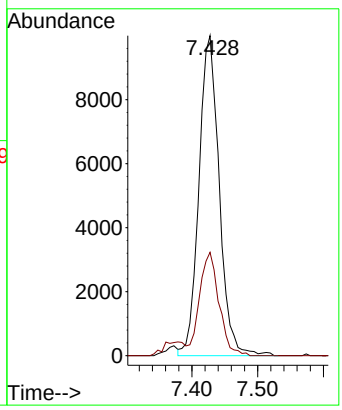
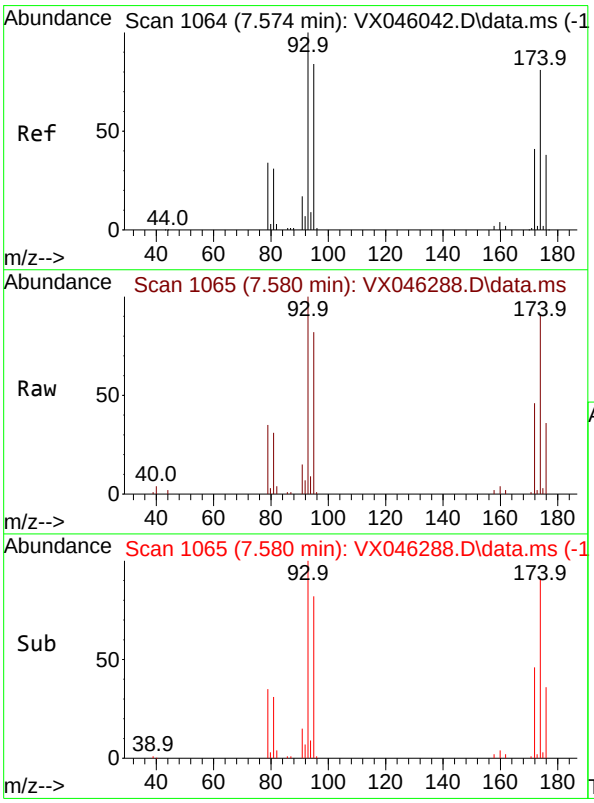
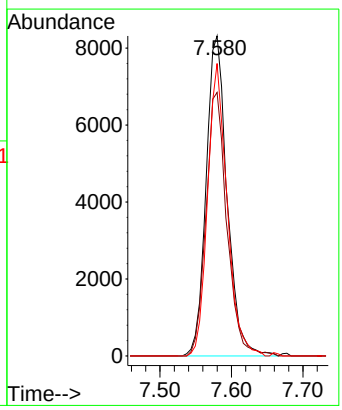


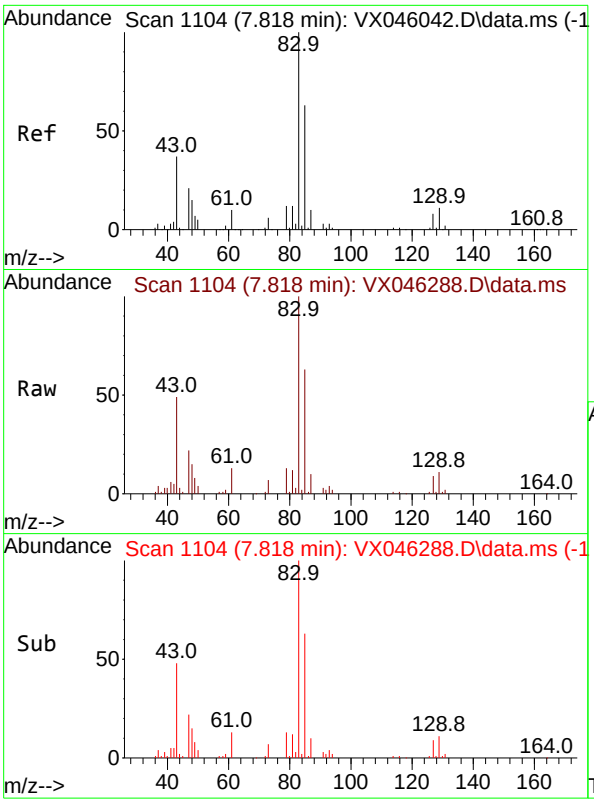


#46
Dibromomethane
Concen: 21.392 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 93 Resp: 16936

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.6	98.4
174	85.2	68.2	102.2

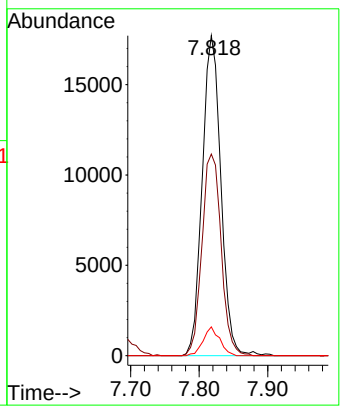




#47
Bromodichloromethane
Concen: 21.594 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 83 Resp: 3367

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	9.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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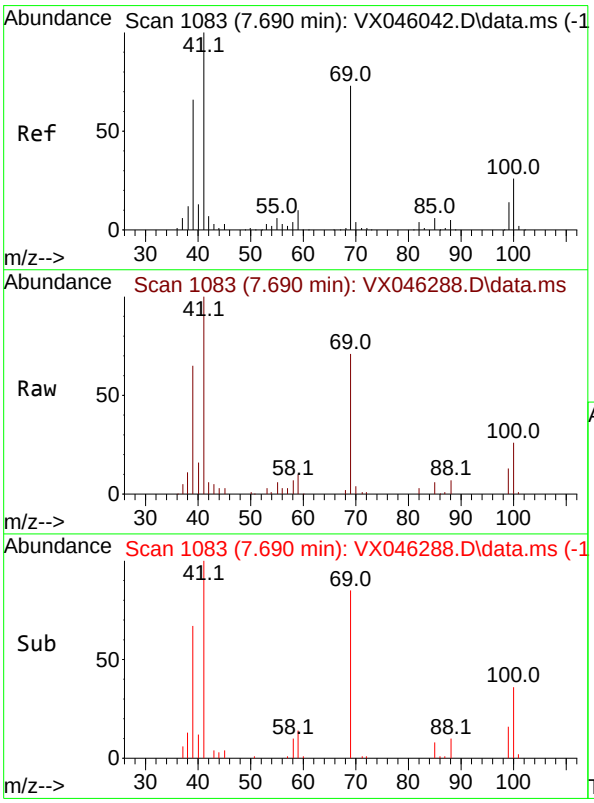
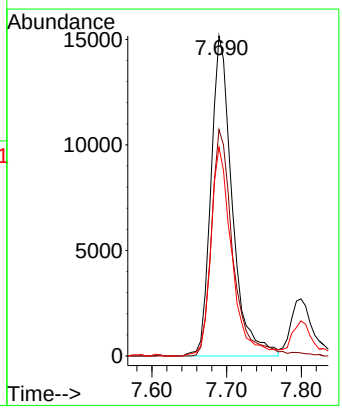
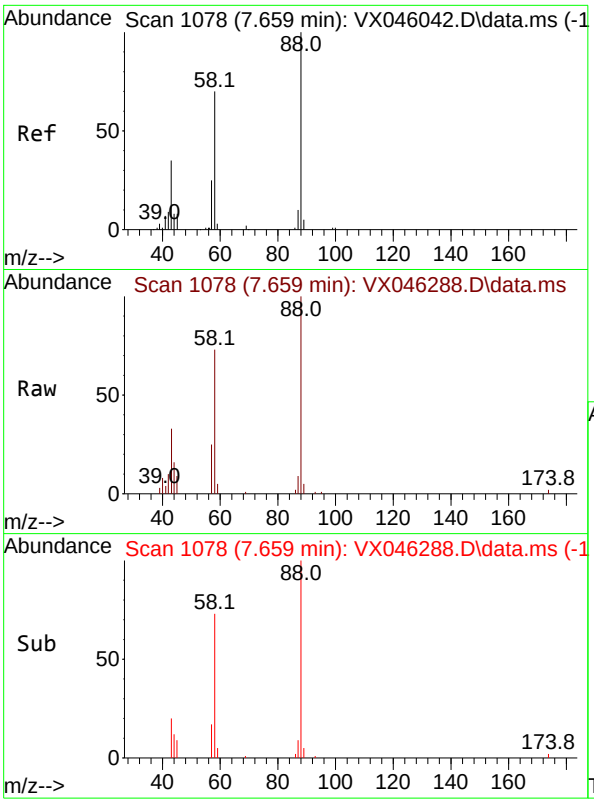


#48
Methyl methacrylate
Concen: 22.533 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 41 Resp: 29893

Ion	Ratio	Lower	Upper
41	100		
69	71.2	58.5	87.7
39	64.9	51.7	77.5





#49
1,4-Dioxane
Concen: 462.585 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 88 Resp: 1165

Ion	Ratio	Lower	Upper
88	100		
43	42.1	33.4	50.2
58	76.2	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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Reviewed By :John Carlone 05/22/2025
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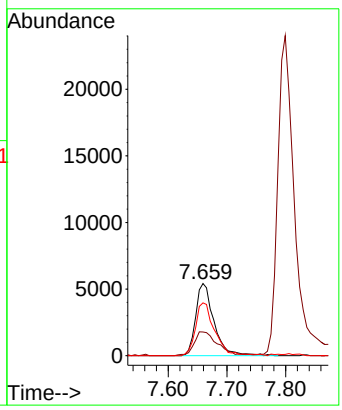
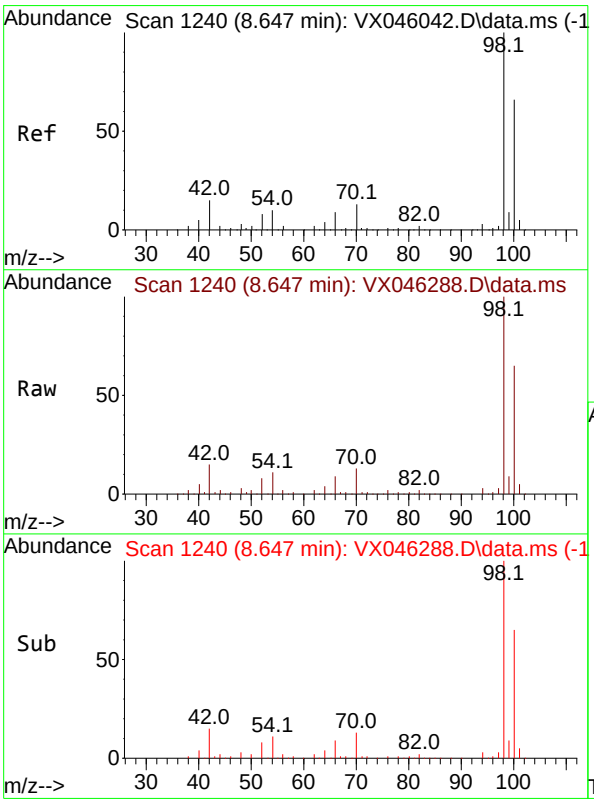
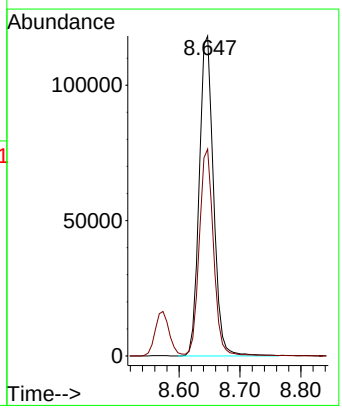


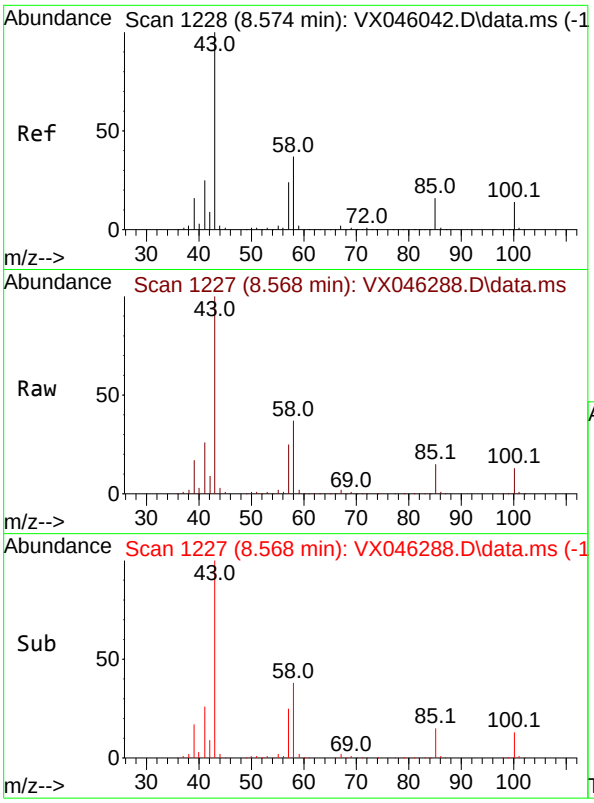


#50
Toluene-d8
Concen: 54.067 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 98 Resp: 191946

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3

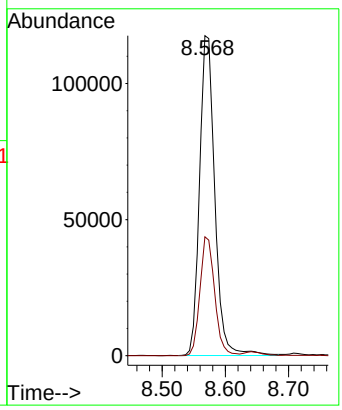




#51
4-Methyl-2-Pentanone
Concen: 114.659 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 19770

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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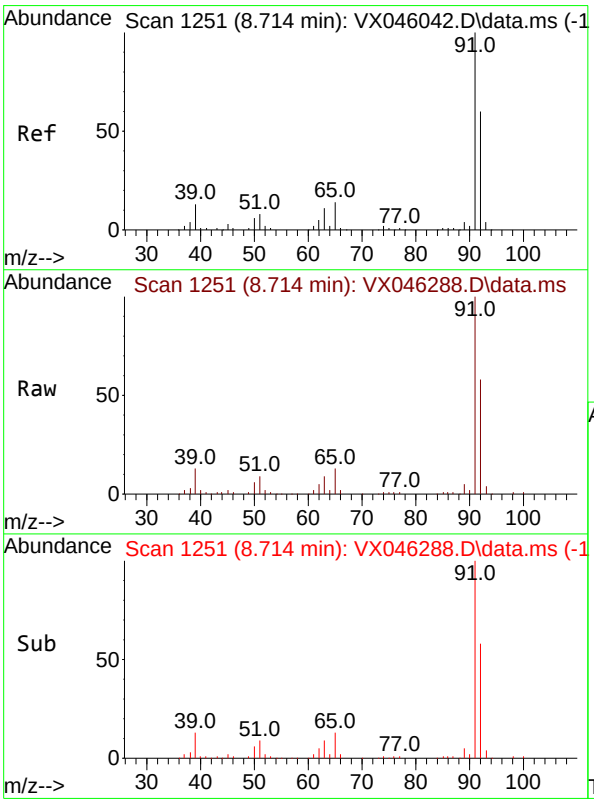
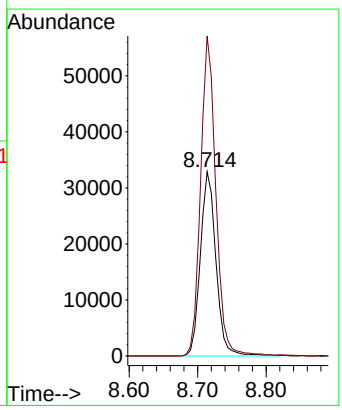
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

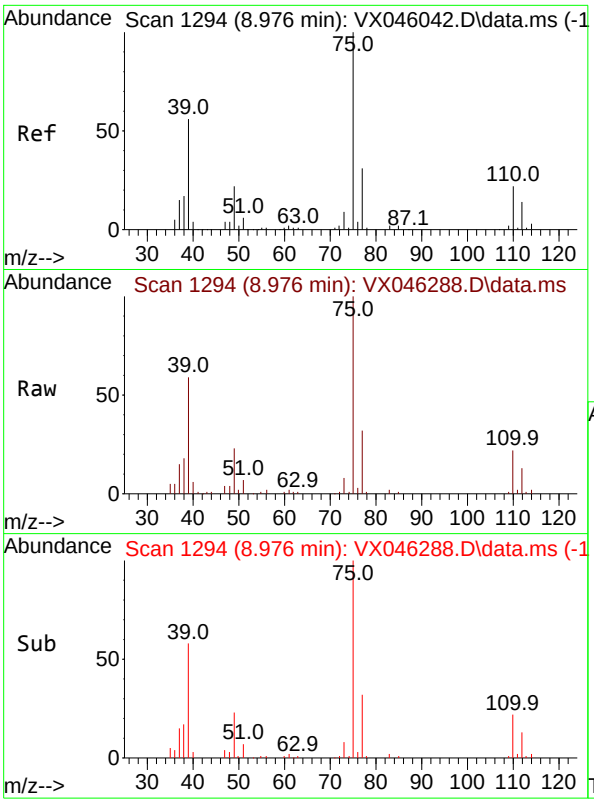


#52
Toluene
Concen: 21.074 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 92 Resp: 52163

Ion	Ratio	Lower	Upper
92	100		
91	169.5	136.6	205.0

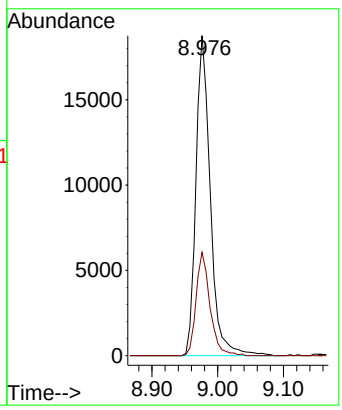




#53
t-1,3-Dichloropropene
Concen: 20.575 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 75 Resp: 2851

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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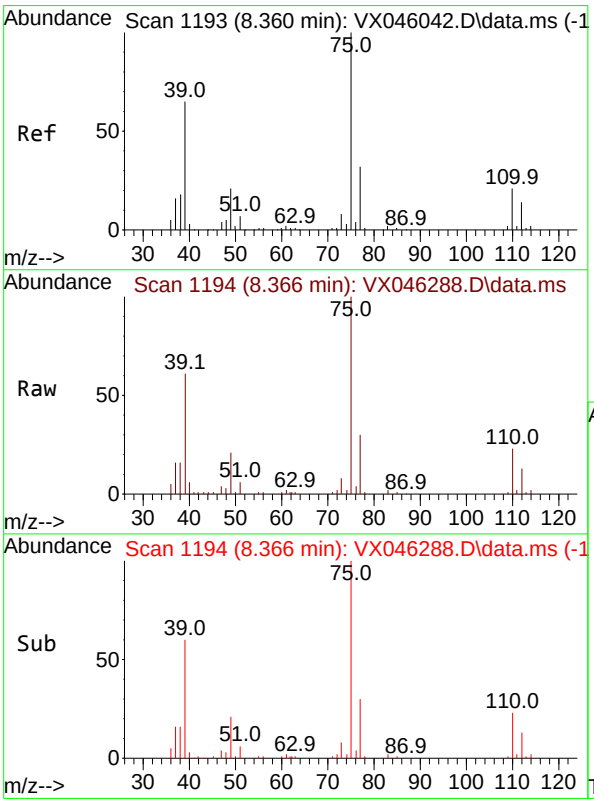
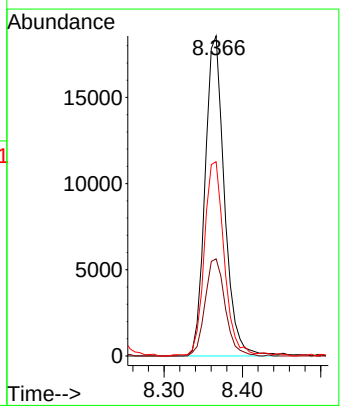
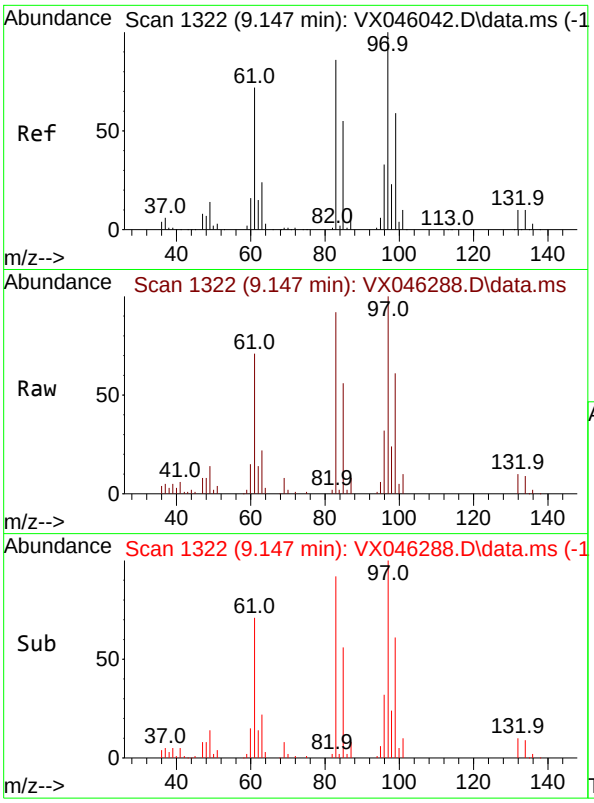


#54
cis-1,3-Dichloropropene
Concen: 20.731 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 75 Resp: 31756

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	60.3	52.2	78.4

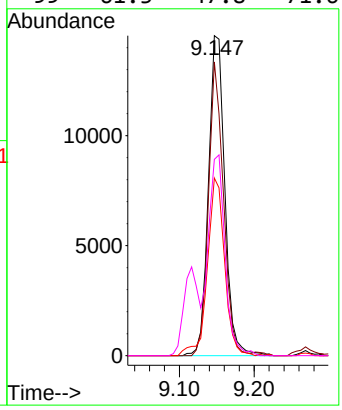




#55
1,1,2-Trichloroethane
Concen: 22.727 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 97 Resp: 2218

Ion	Ratio	Lower	Upper
97	100		
83	91.8	69.0	103.6
85	55.5	44.3	66.5
99	61.3	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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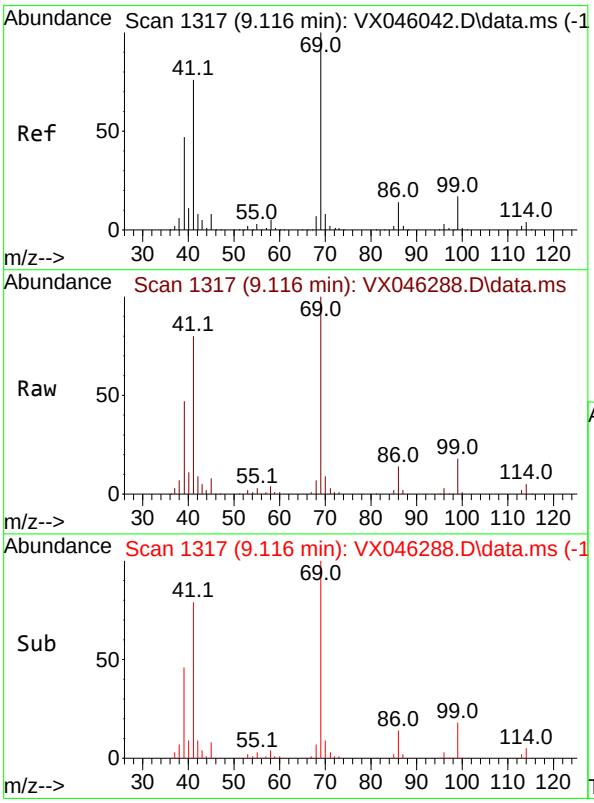
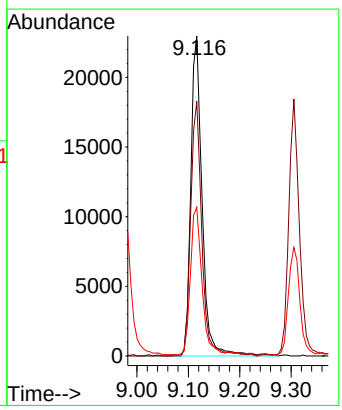
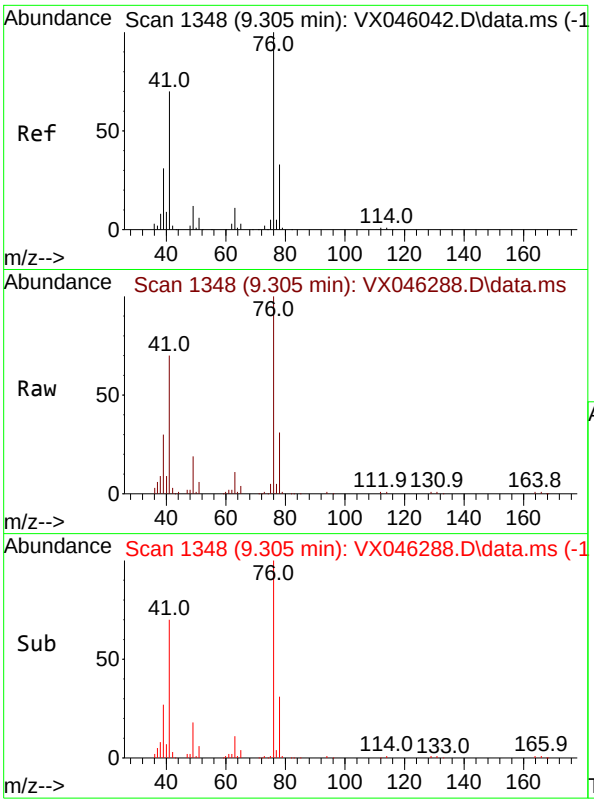


#56
Ethyl methacrylate
Concen: 22.593 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 69 Resp: 35144

Ion	Ratio	Lower	Upper
69	100		
41	78.8	60.8	91.2
39	47.1	39.0	58.6





#57
1,3-Dichloropropane
Concen: 21.629 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 76 Resp: 3791

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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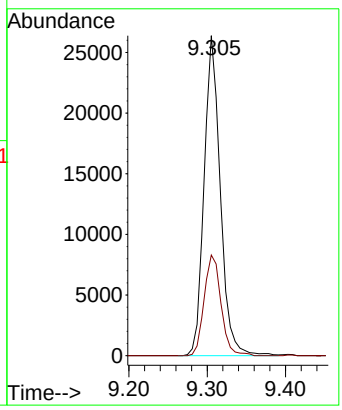
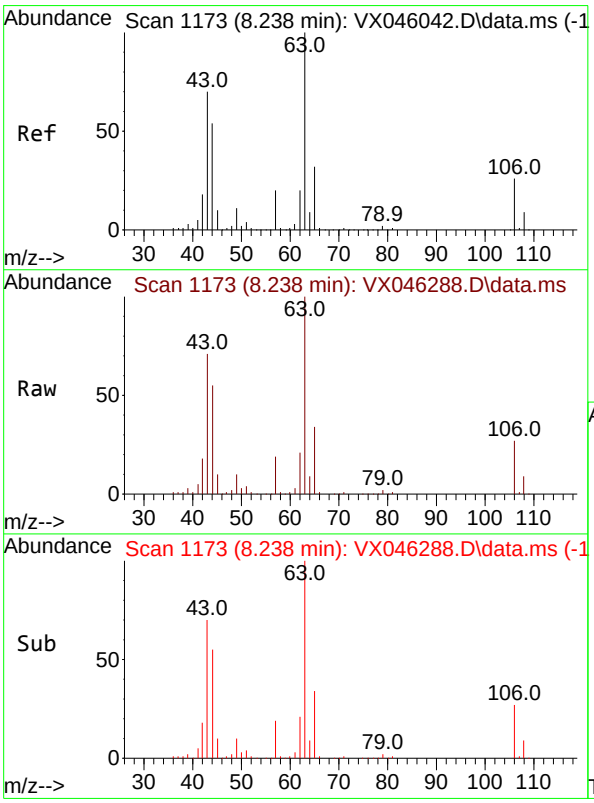
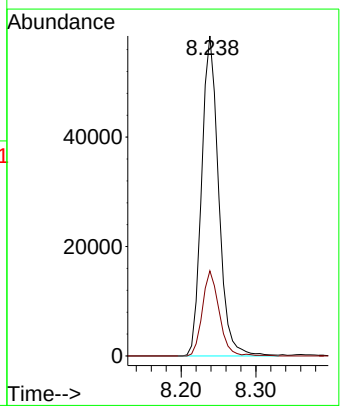


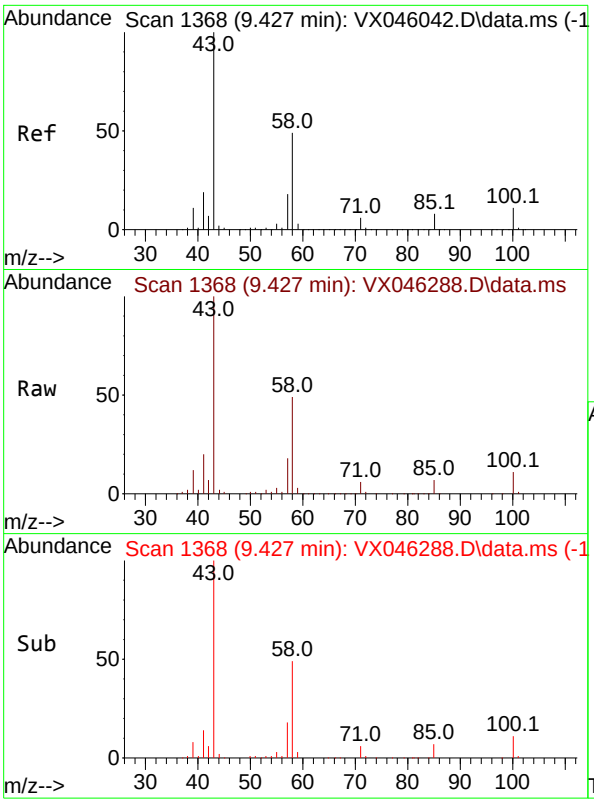


#58
2-Chloroethyl Vinyl ether
Concen: 116.515 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 63 Resp: 92402

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 115.798 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 14771

Ion	Ratio	Lower	Upper
43	100		
58	49.0	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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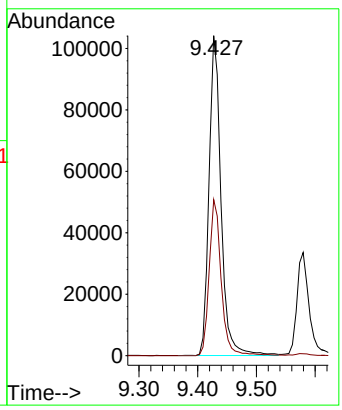
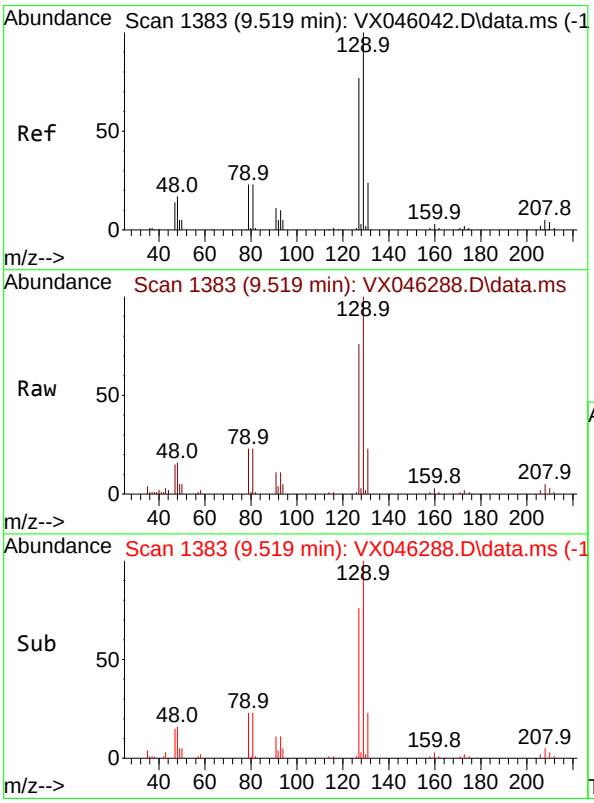
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

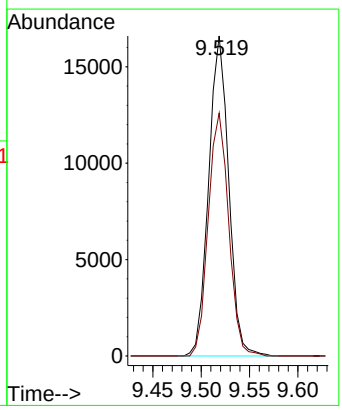


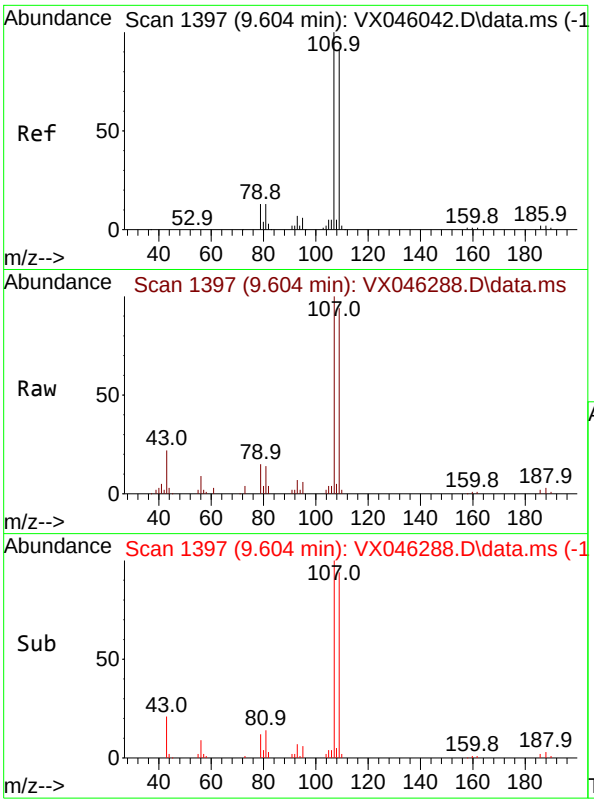


#60
Dibromochloromethane
Concen: 22.336 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:129 Resp: 23942

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.3	117.8





#61
1,2-Dibromoethane
Concen: 21.330 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:107 Resp: 2163

Ion	Ratio	Lower	Upper
107	100		
109	96.6	73.3	109.9

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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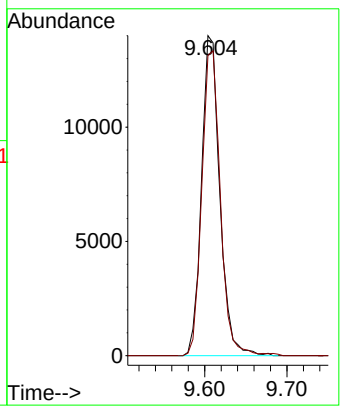
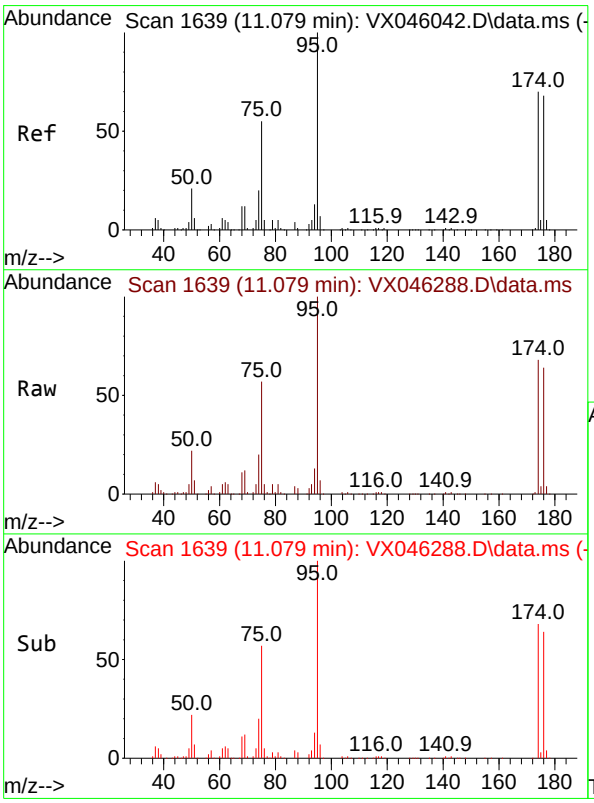
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

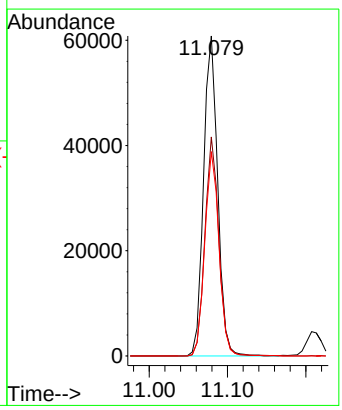


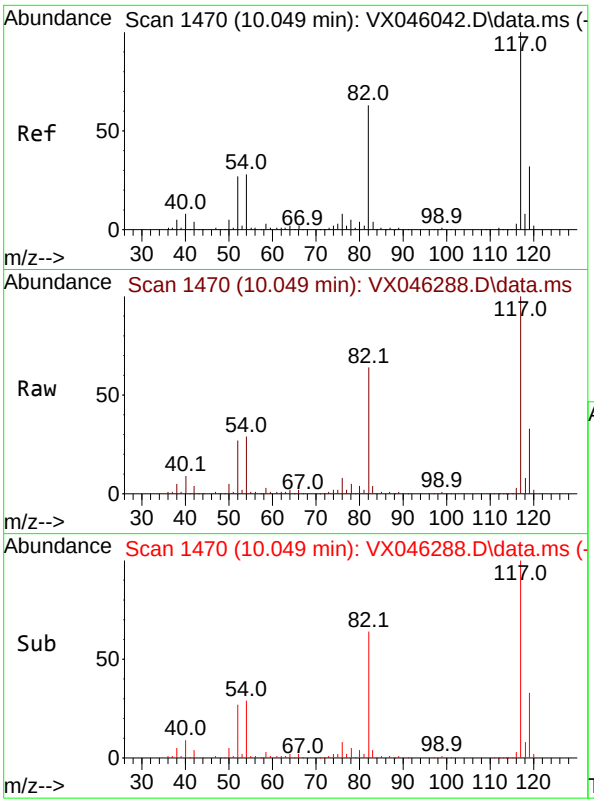


#62
4-Bromofluorobenzene
Concen: 55.790 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 95 Resp: 75974

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	135.8
176	64.1	0.0	131.4

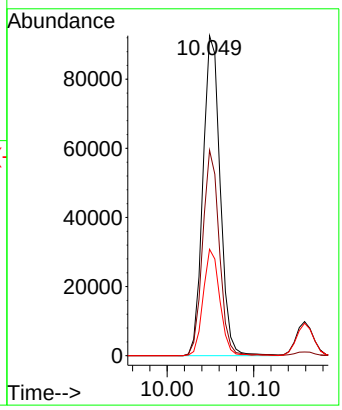




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:117 Resp: 12762

Ion	Ratio	Lower	Upper
117	100		
82	64.2	50.6	76.0
119	33.3	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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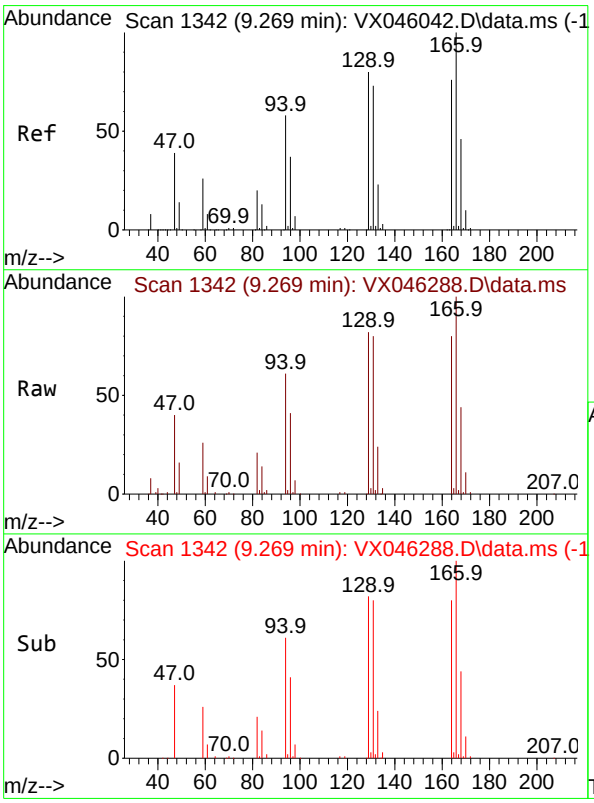
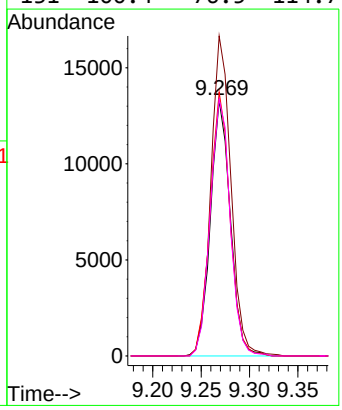
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

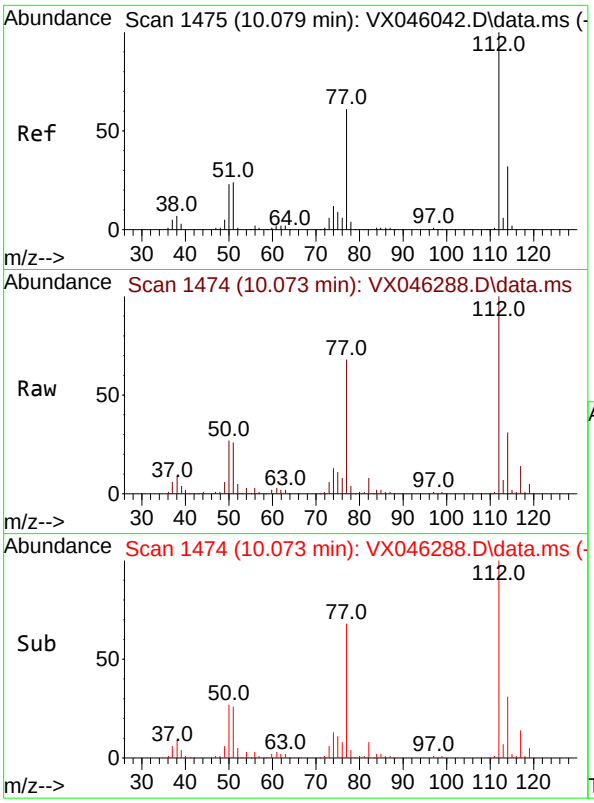


#64
Tetrachloroethene
Concen: 21.054 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:164 Resp: 19011

Ion	Ratio	Lower	Upper
164	100		
166	125.2	105.0	157.6
129	103.3	83.5	125.3
131	100.4	76.5	114.7





#65
Chlorobenzene
Concen: 20.318 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:112 Resp: 5675

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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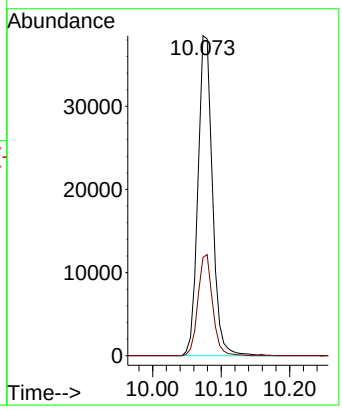
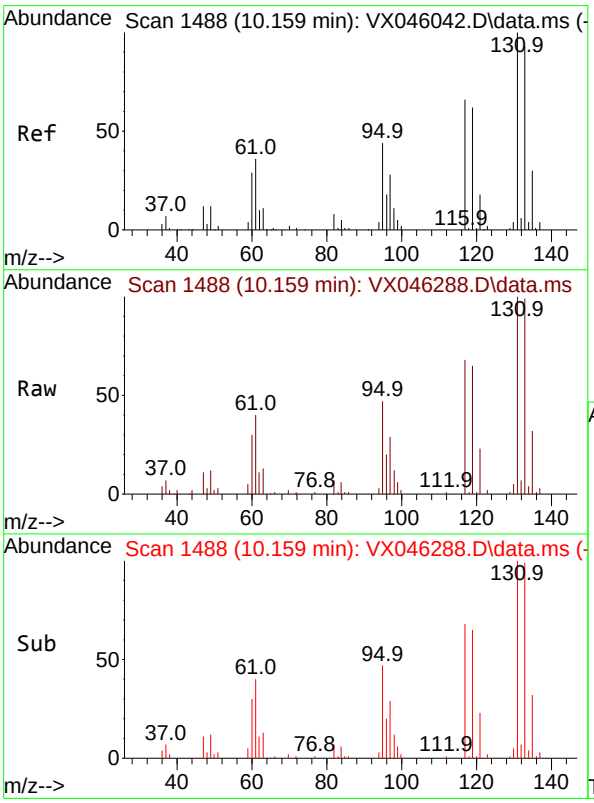
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

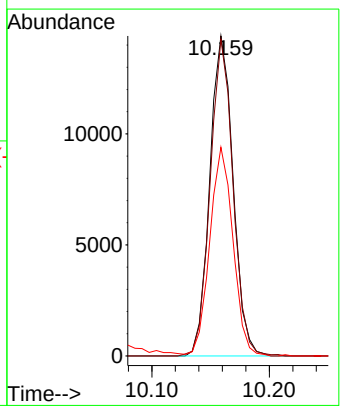


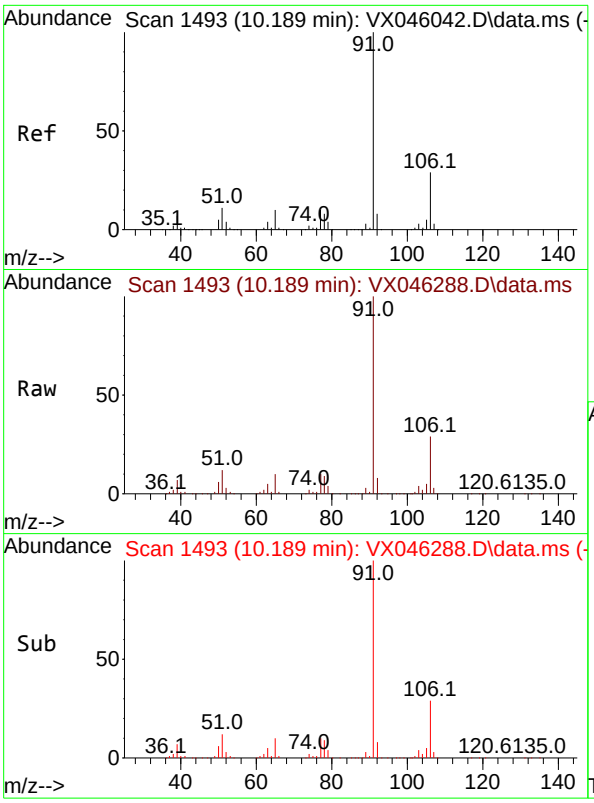


#66
1,1,1,2-Tetrachloroethane
Concen: 20.825 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:131 Resp: 19864

Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	141.9
119	65.0	31.6	95.0





#67
Ethyl Benzene
Concen: 20.351 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 91 Resp: 10020

Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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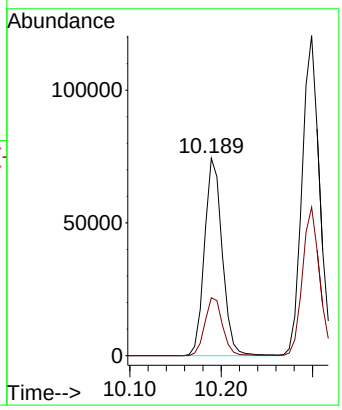
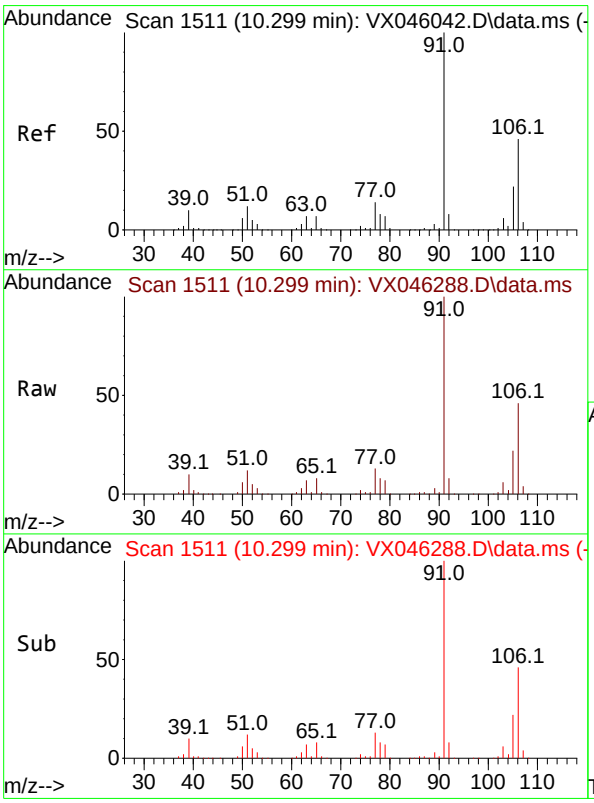
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

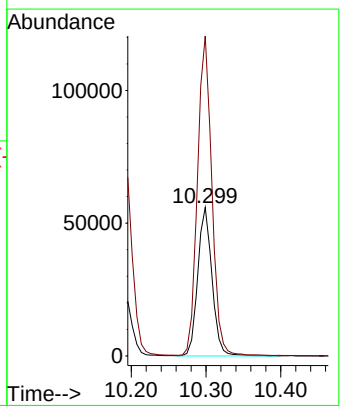


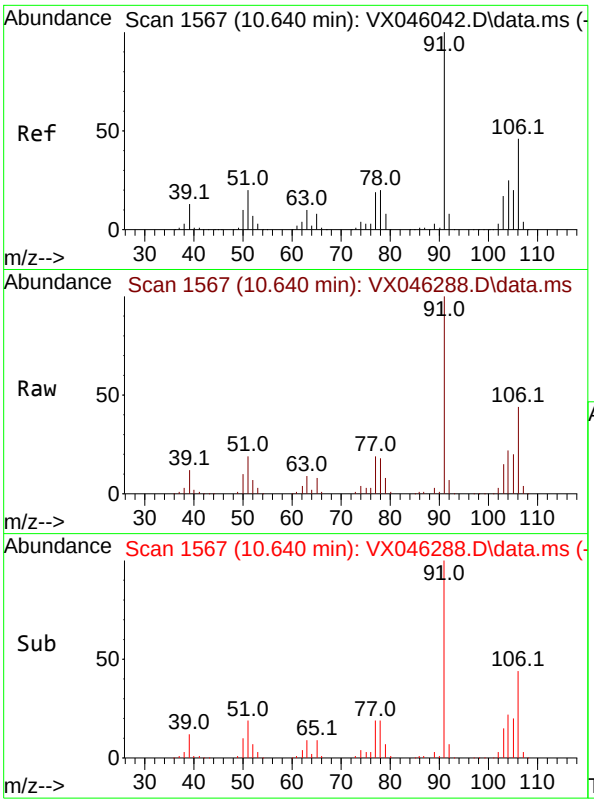


#68
m/p-Xylenes
Concen: 41.100 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:106 Resp: 74017

Ion	Ratio	Lower	Upper
106	100		
91	218.2	171.2	256.8

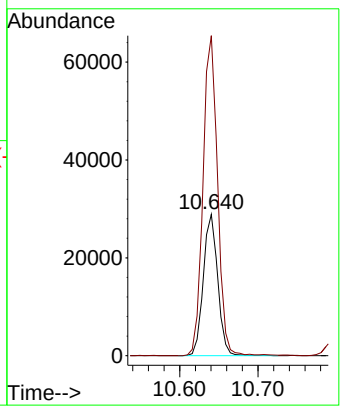




#69
o-Xylene
Concen: 20.991 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:106 Resp: 3685

Ion	Ratio	Lower	Upper
106	100		
91	228.4	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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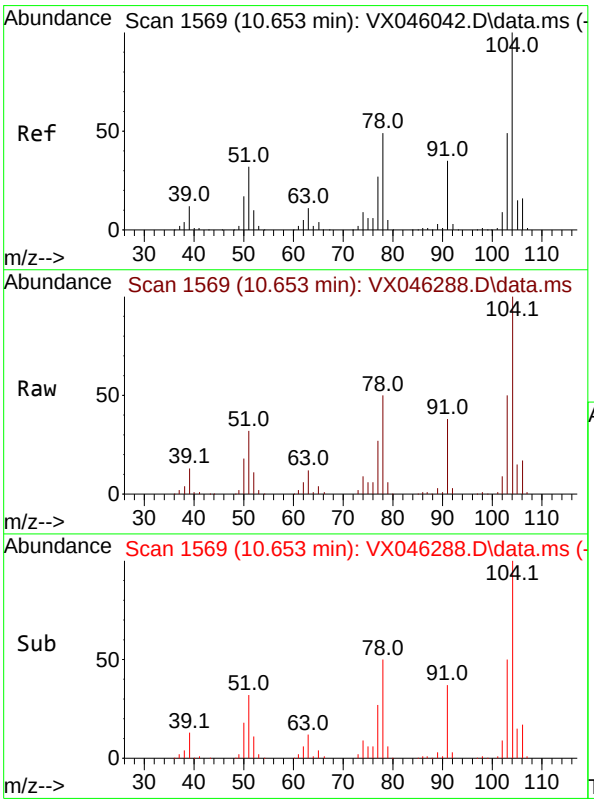
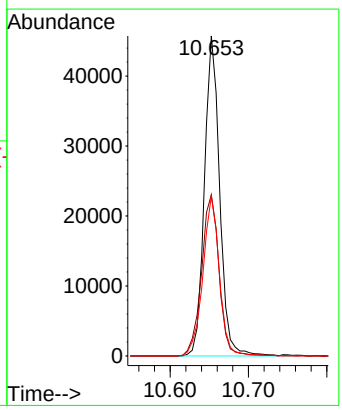
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

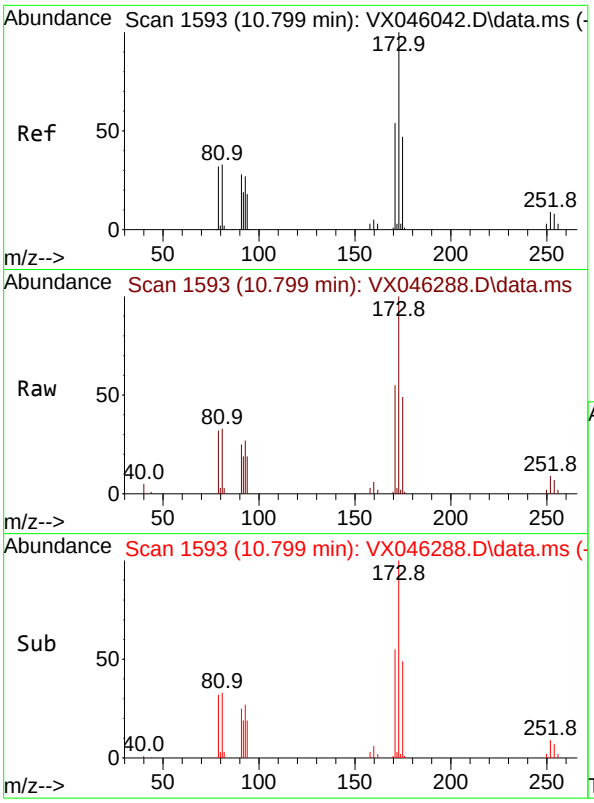


#70
Styrene
Concen: 21.448 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:104 Resp: 61684

Ion	Ratio	Lower	Upper
104	100		
78	58.1	45.7	68.5
103	54.3	43.7	65.5





#71
Bromoform
Concen: 20.492 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:173 Resp: 1467

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.4	70.0
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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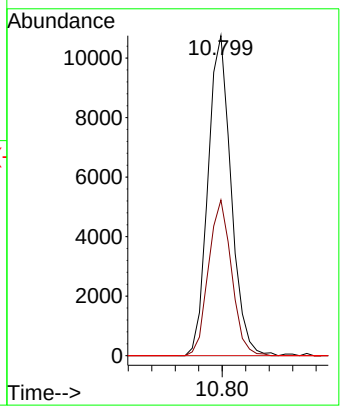
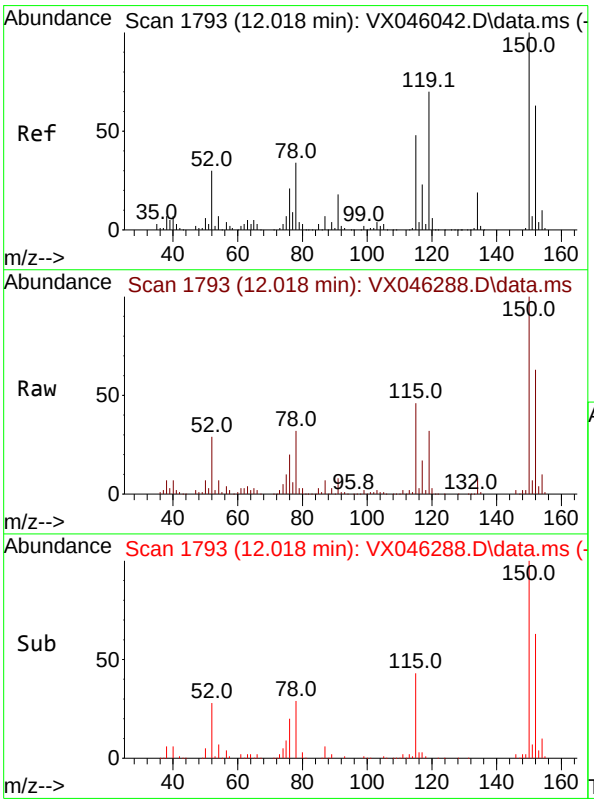
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

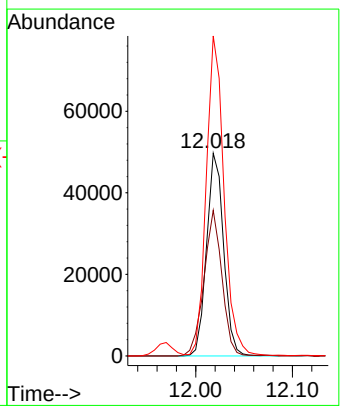


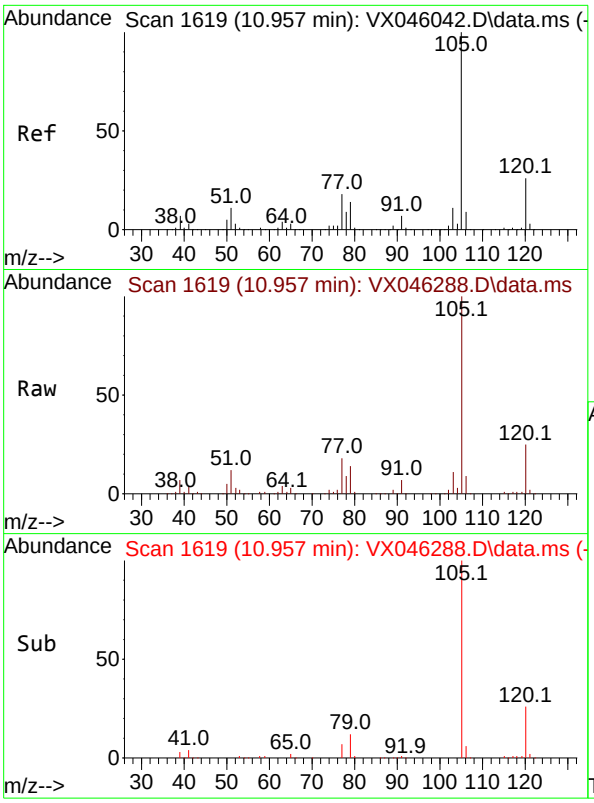


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:152 Resp: 60955

Ion	Ratio	Lower	Upper
152	100		
115	76.1	46.9	140.7
150	164.2	0.0	351.0





#73
Isopropylbenzene
Concen: 20.780 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:105 Resp: 9861

Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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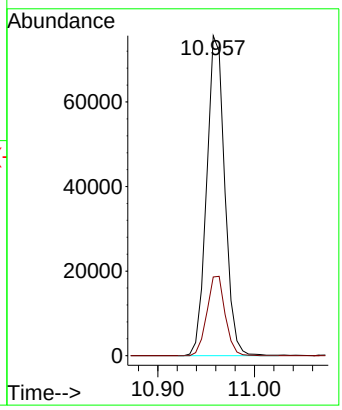
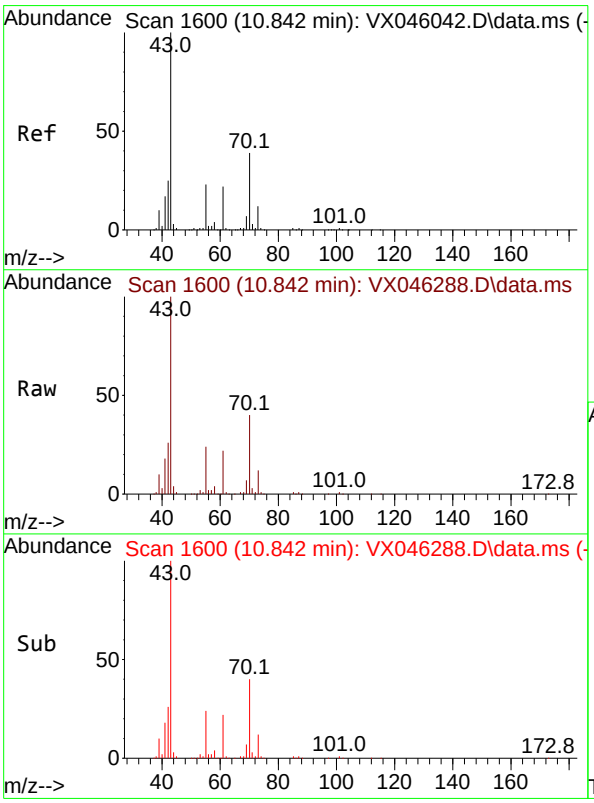
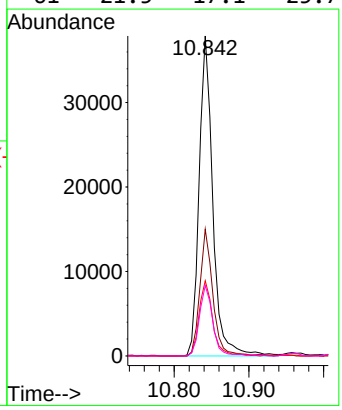


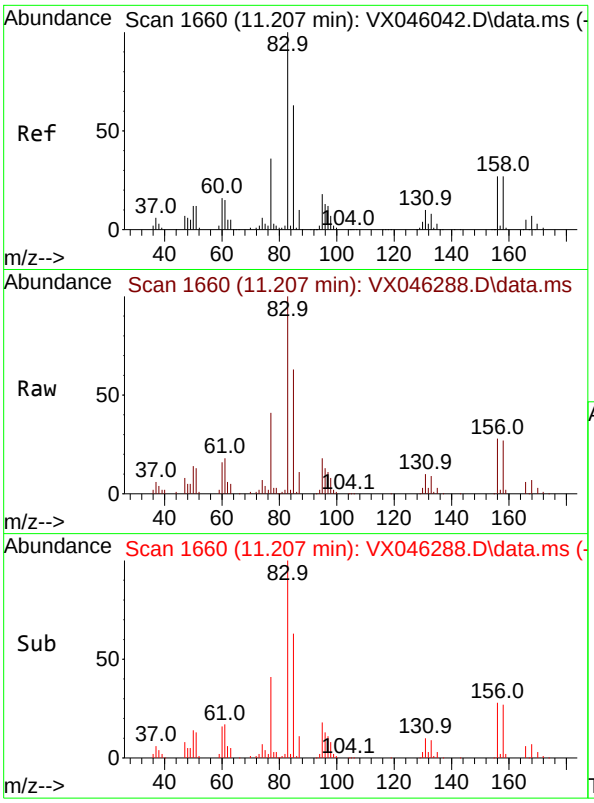


#74
N-amyl acetate
Concen: 20.540 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 43 Resp: 48166

Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.9	46.3
55	23.6	18.7	28.1
61	21.5	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.705 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 83 Resp: 3443

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.4	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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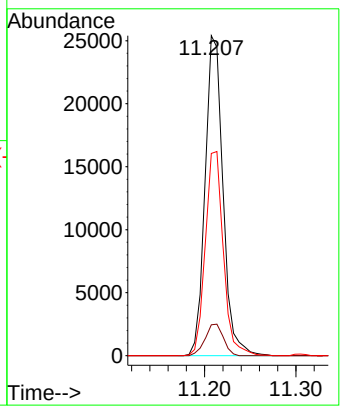
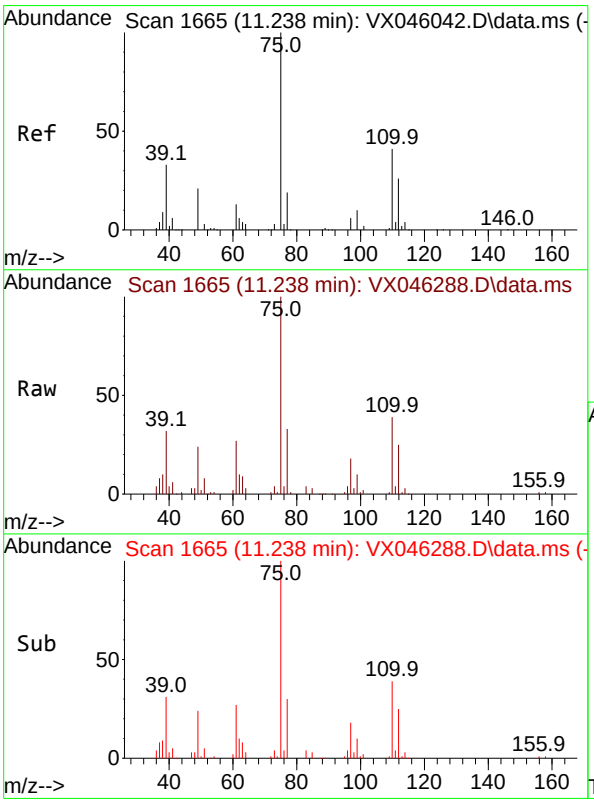
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

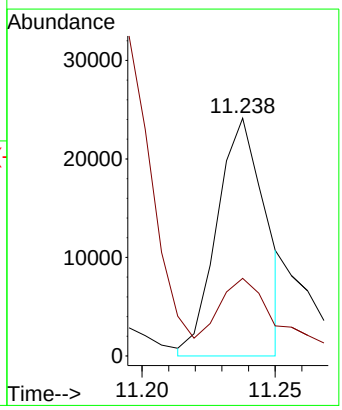


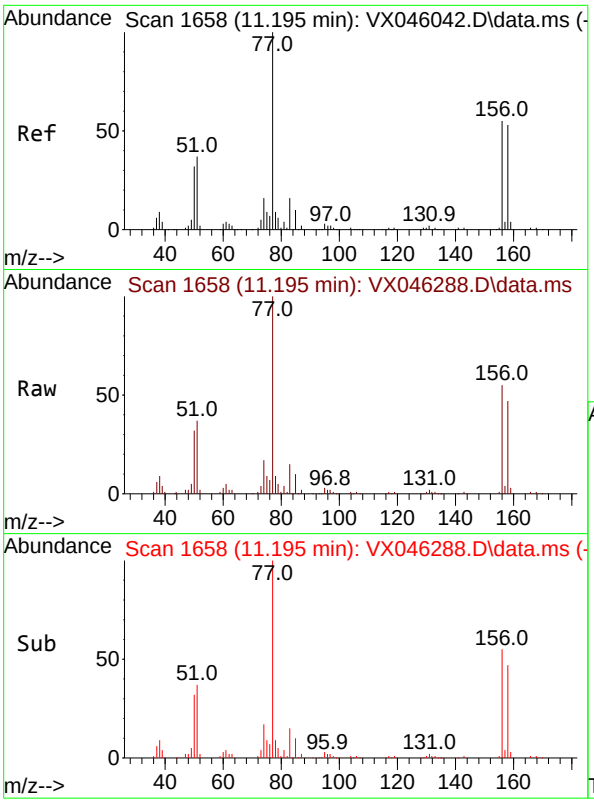


#76
1,2,3-Trichloropropane
Concen: 20.799 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 75 Resp: 30516

Ion	Ratio	Lower	Upper
75	100		
77	41.2	20.5	61.5

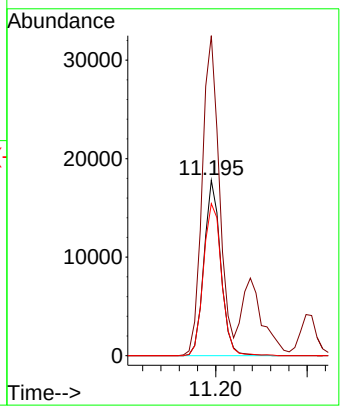




#77
Bromobenzene
Concen: 20.447 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:156 Resp: 2252

Ion	Ratio	Lower	Upper
156	100		
77	188.3	92.8	278.3
158	94.4	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

Manual Integrations
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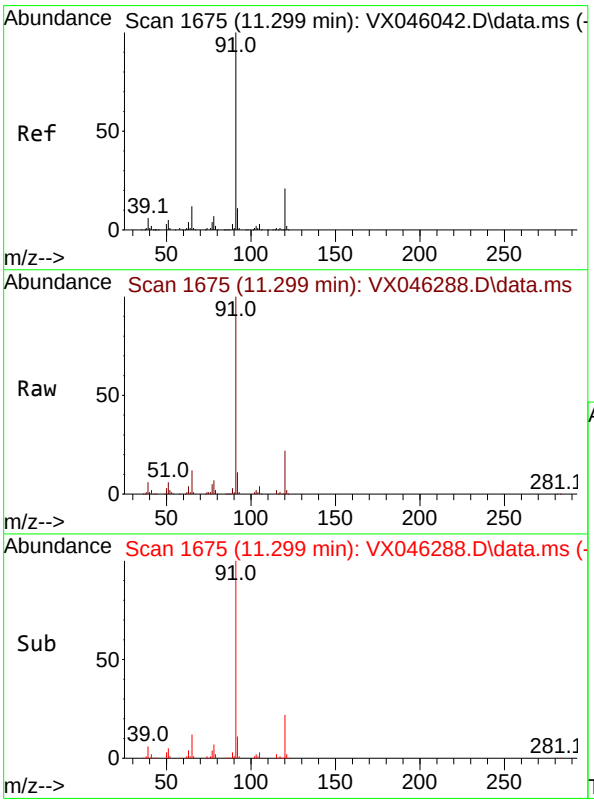
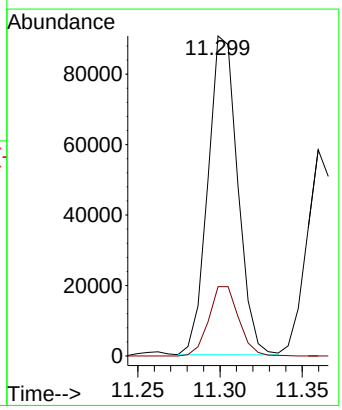
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

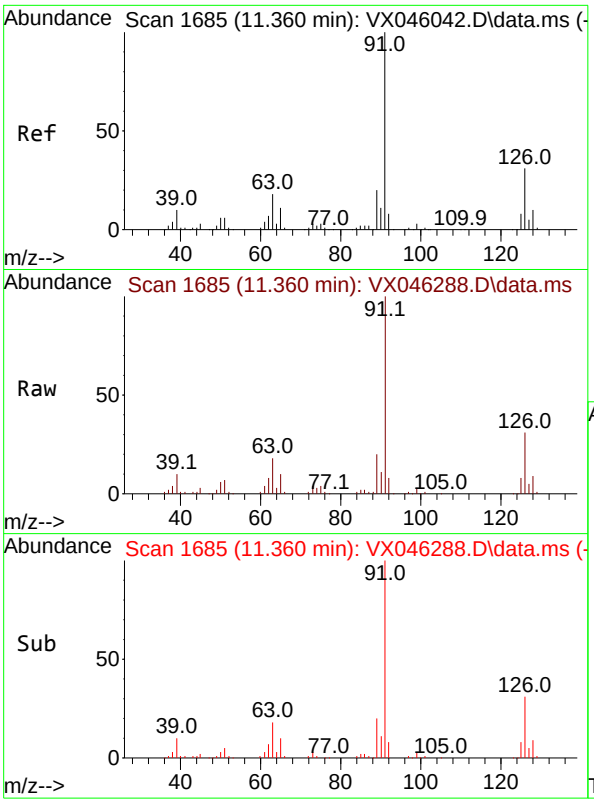


#78
n-propylbenzene
Concen: 20.676 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 91 Resp: 114085

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4





#79
2-Chlorotoluene
Concen: 20.397 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 91 Resp: 7259

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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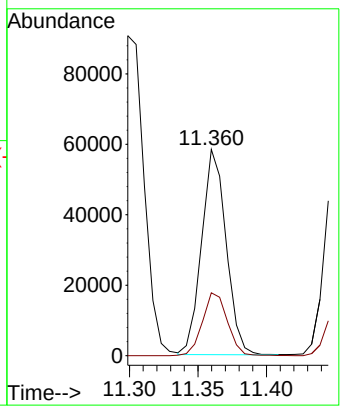
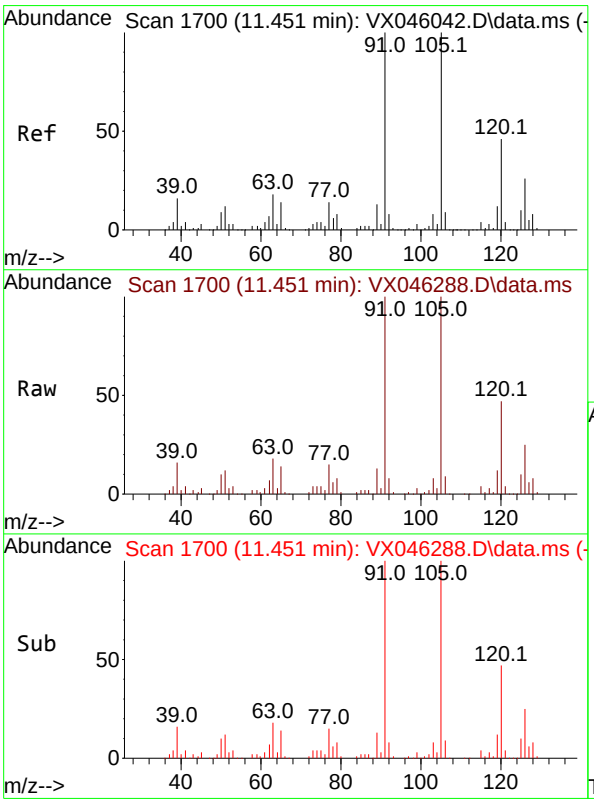
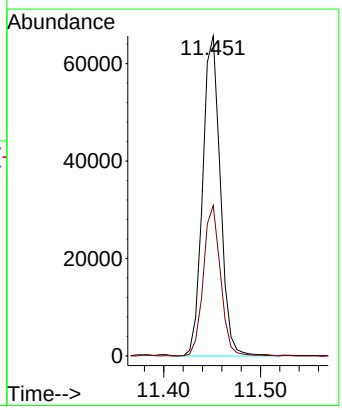


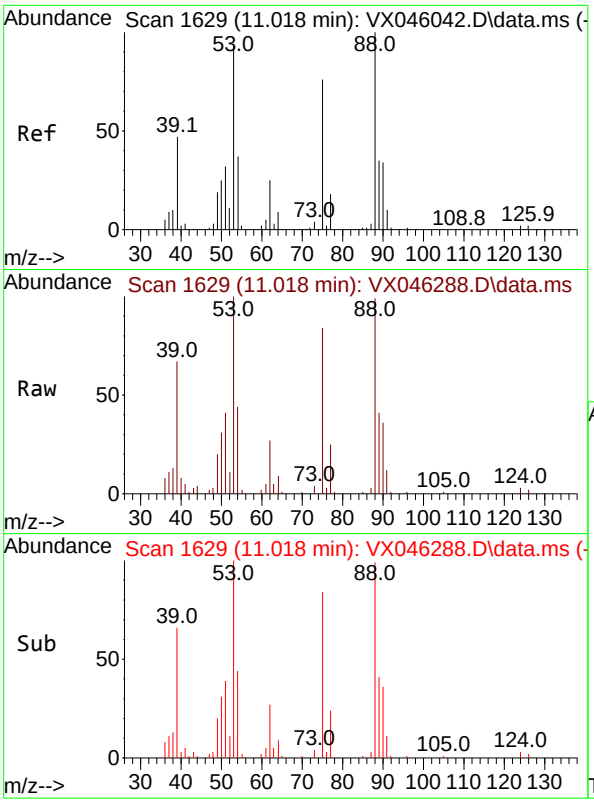


#80
1,3,5-Trimethylbenzene
Concen: 21.043 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:105 Resp: 83425

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.731 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 75 Resp: 889

Ion	Ratio	Lower	Upper
75	100		
53	128.1	100.5	150.7
89	46.5	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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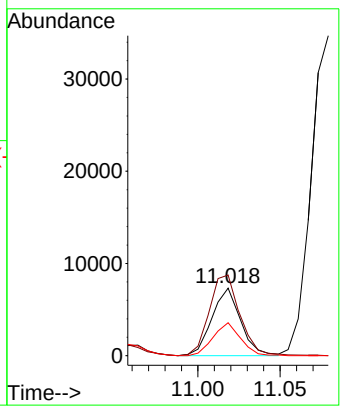
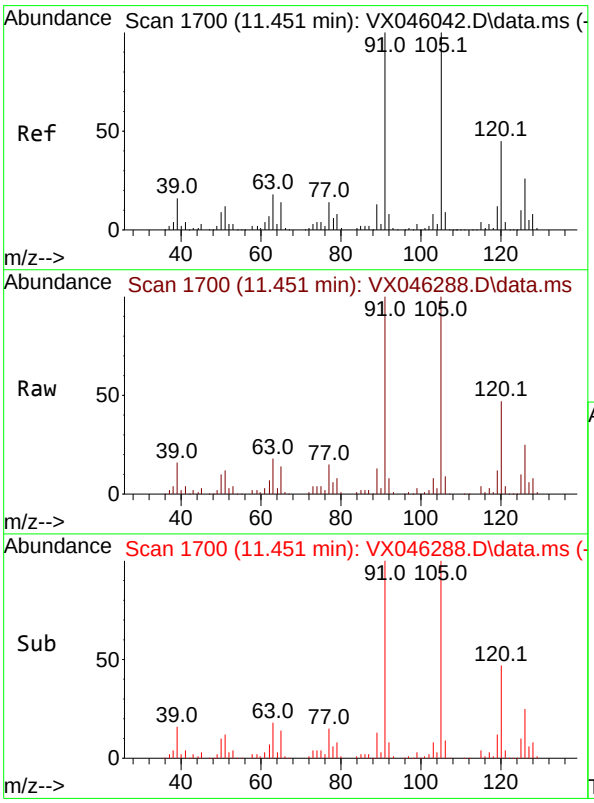
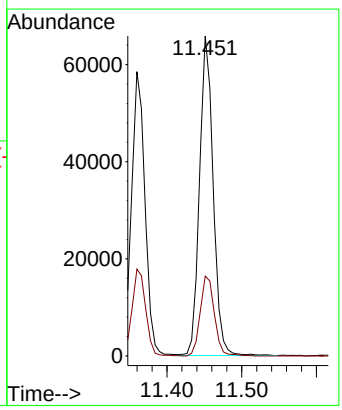


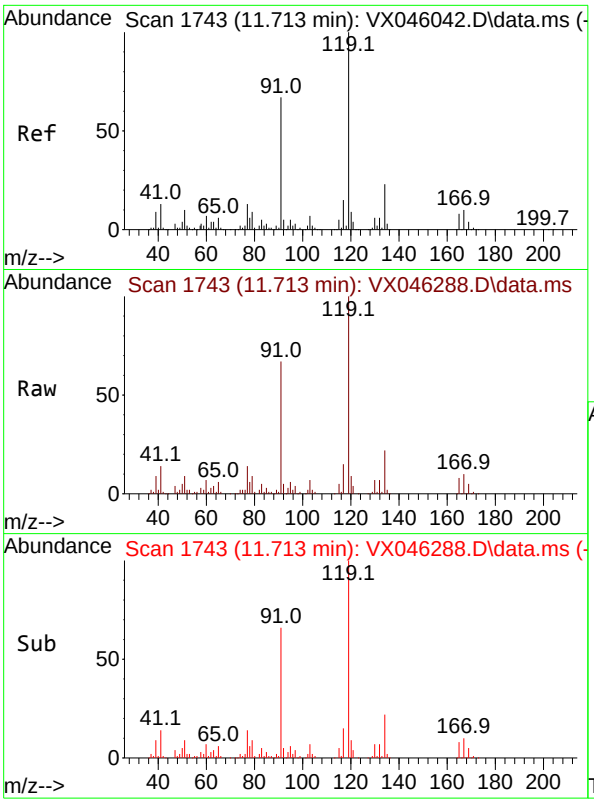


#82
4-Chlorotoluene
Concen: 21.123 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 91 Resp: 83368

Ion	Ratio	Lower	Upper
91	100		
126	25.9	13.3	39.8





#83
tert-Butylbenzene
Concen: 20.500 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:119 Resp: 8186

Ion	Ratio	Lower	Upper
119	100		
91	67.1	32.9	98.7
134	22.9	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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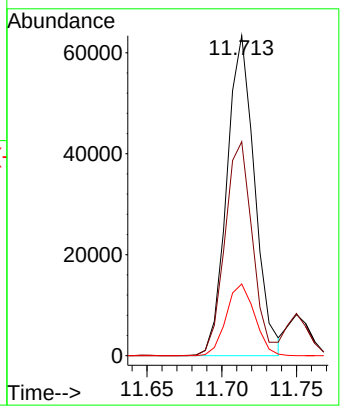
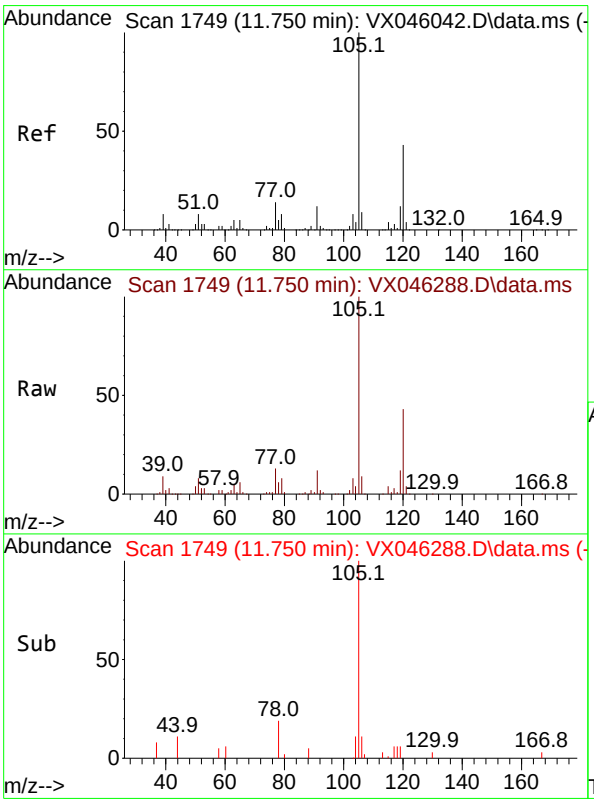
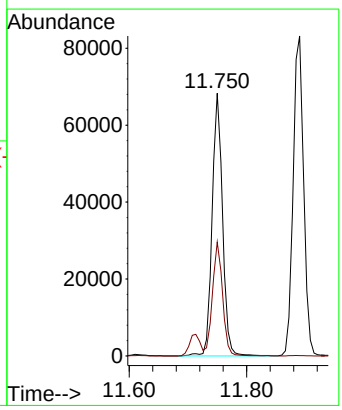


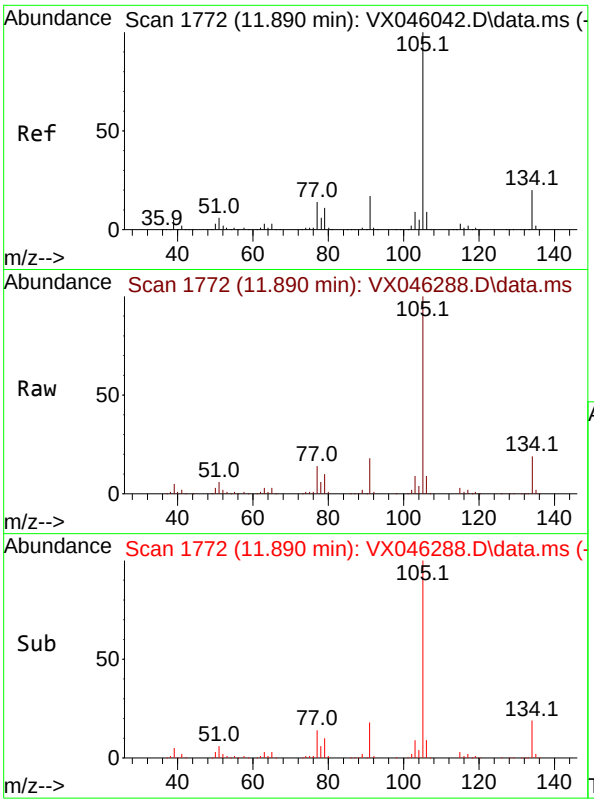


#84
1,2,4-Trimethylbenzene
Concen: 20.949 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:105 Resp: 84105

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6

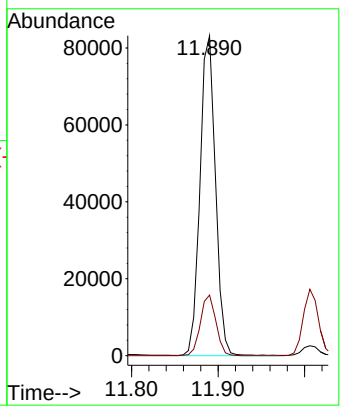




#85
sec-Butylbenzene
Concen: 21.090 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:105 Resp: 10341

Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
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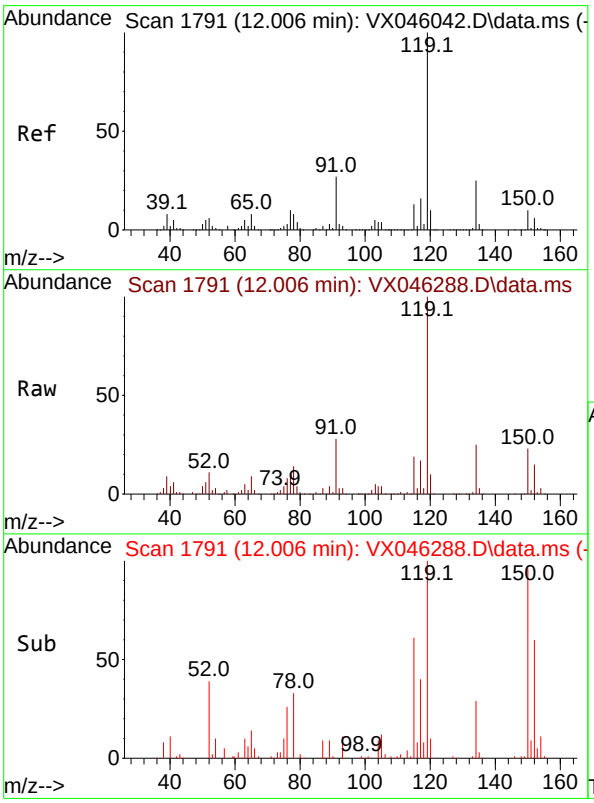
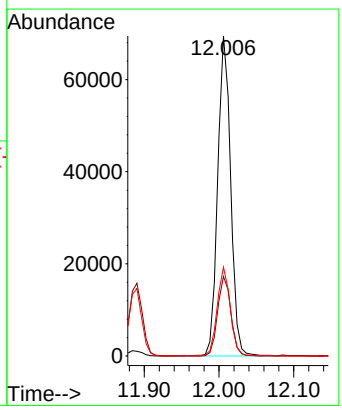
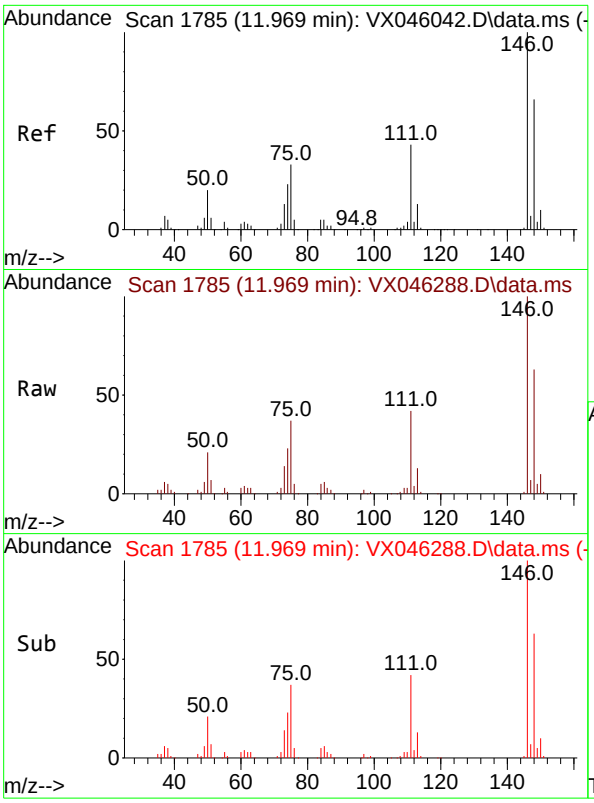


#86
p-Isopropyltoluene
Concen: 20.666 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:119 Resp: 83642

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	27.7	13.8	41.4





#87
1,3-Dichlorobenzene
Concen: 20.748 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:146 Resp: 4171

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.3
148	63.2	32.1	96.5

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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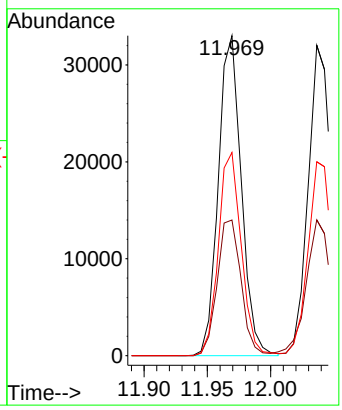
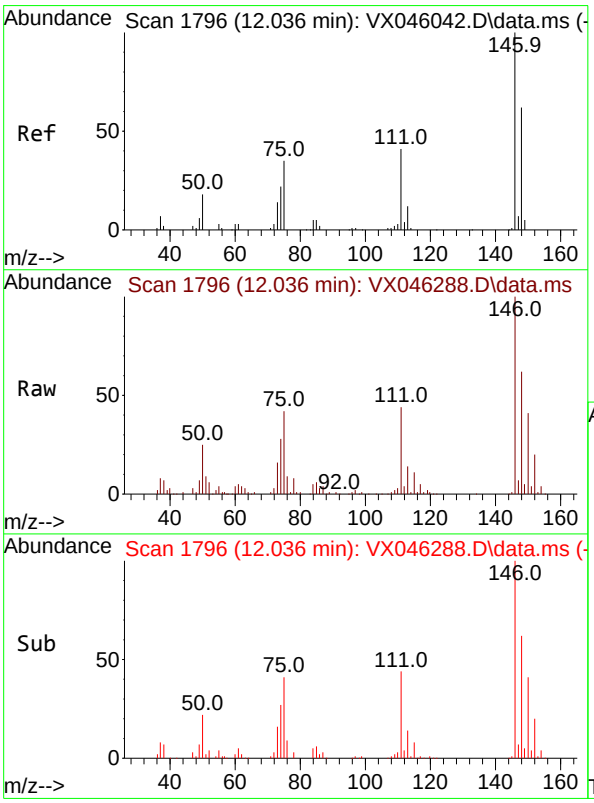
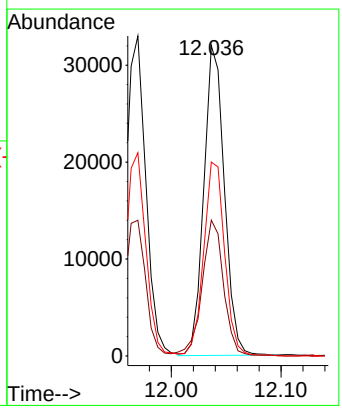


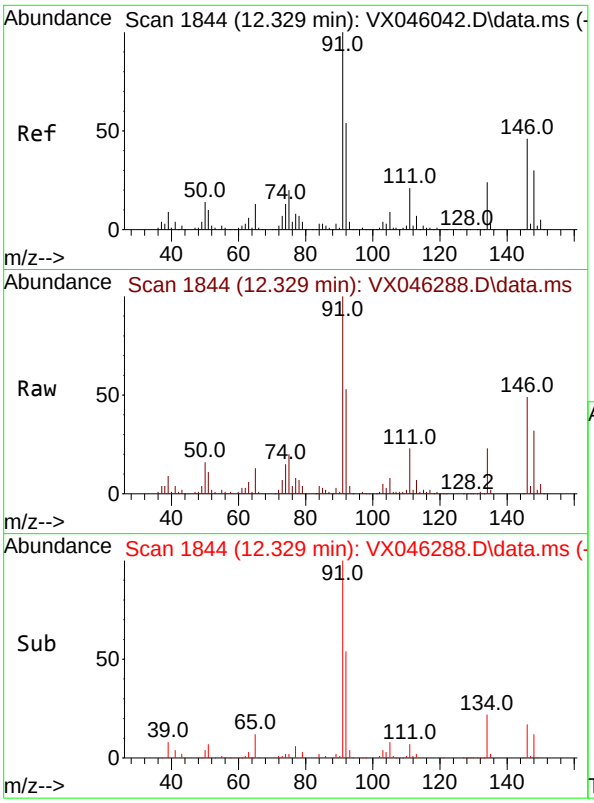


#88
1,4-Dichlorobenzene
Concen: 20.269 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:146 Resp: 41622

Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.3	63.9
148	64.3	31.9	95.5





#89
n-Butylbenzene
Concen: 20.230 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 91 Resp: 7182

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.9	80.7
134	23.5	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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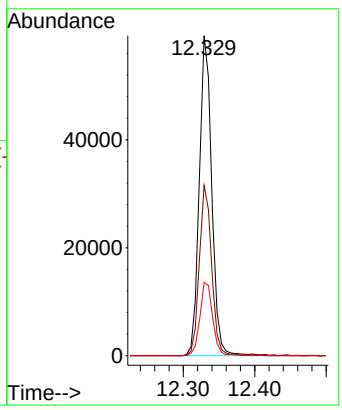
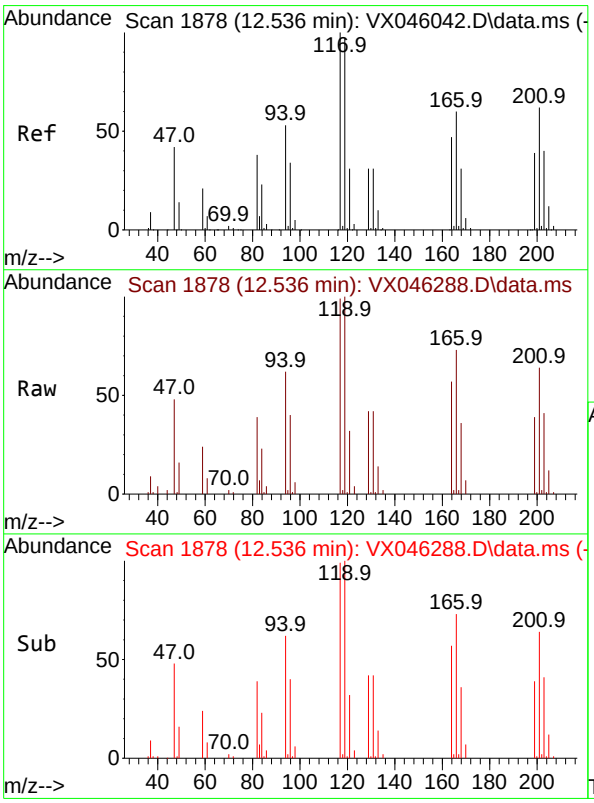
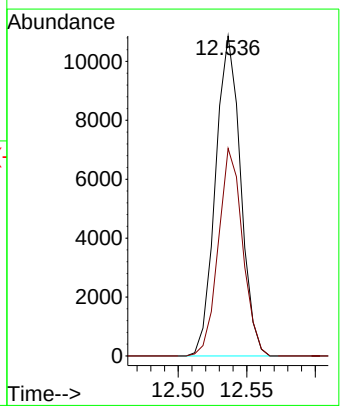


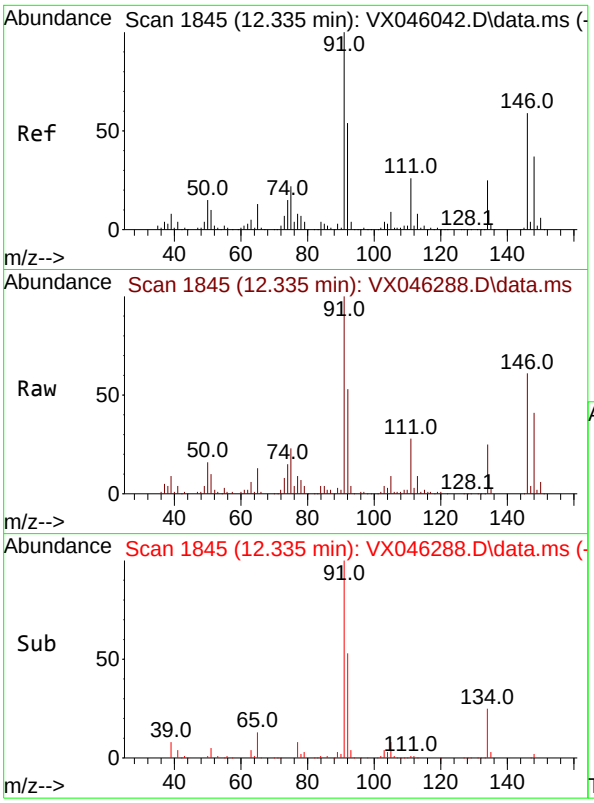


#90
Hexachloroethane
Concen: 19.365 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:117 Resp: 13808

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.6	94.7

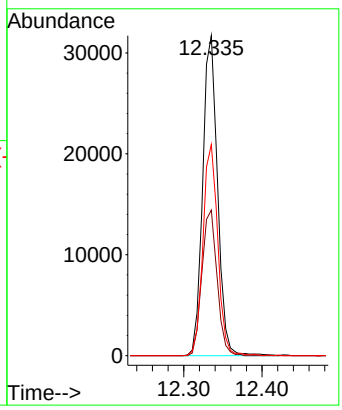




#91
1,2-Dichlorobenzene
Concen: 20.661 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:146 Resp: 4168

Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.4	67.3
148	65.8	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
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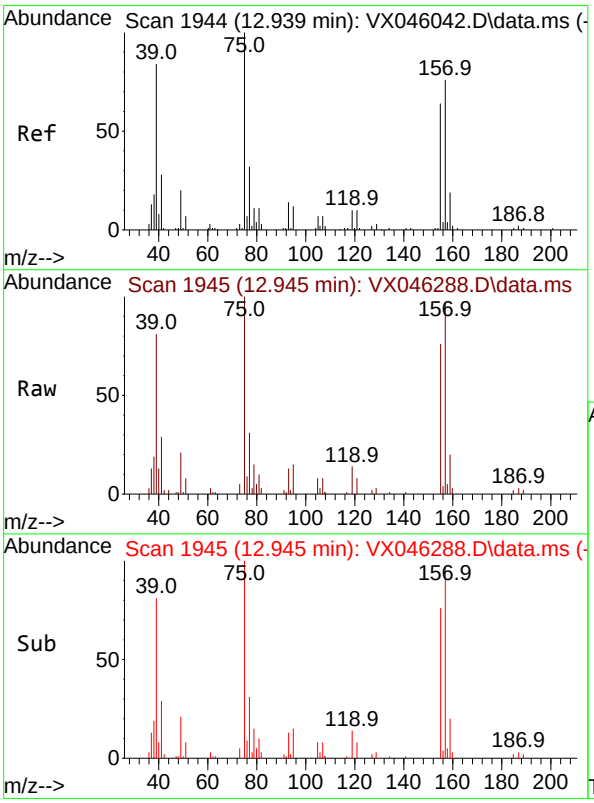
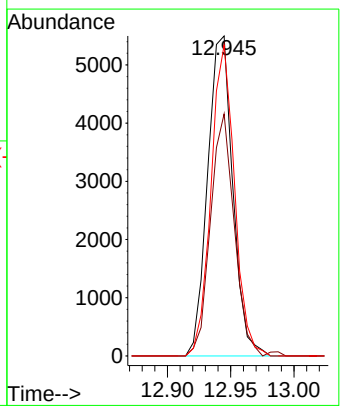
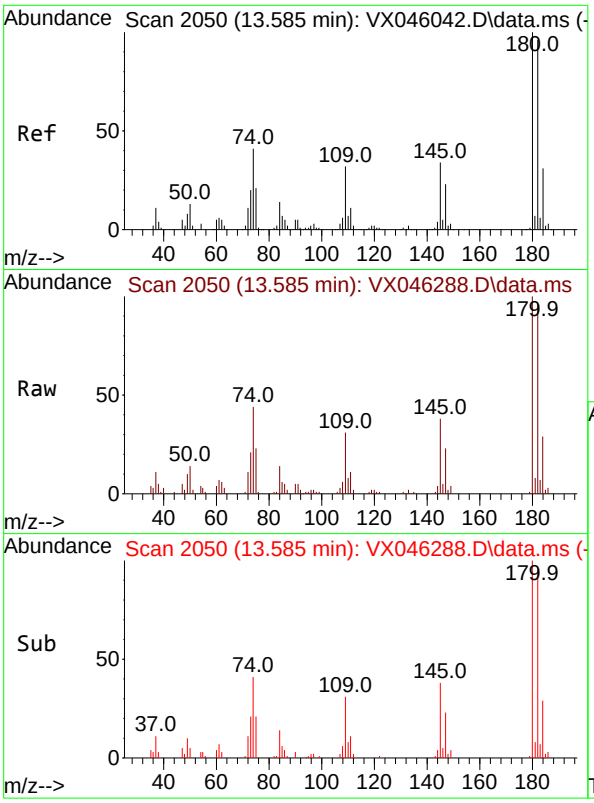


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.662 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion: 75 Resp: 7612

Ion	Ratio	Lower	Upper
75	100		
155	71.9	34.9	104.8
157	90.7	43.8	131.4

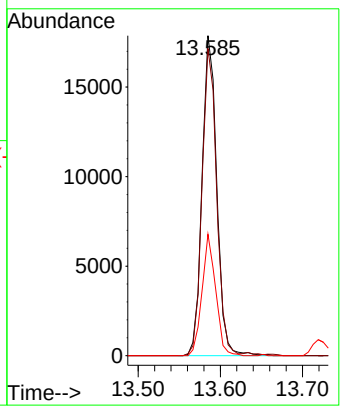




#93
1,2,4-Trichlorobenzene
Concen: 19.179 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:180 Resp: 2222

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	35.1	17.1	51.2



Instrument :
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ClientSampleId :
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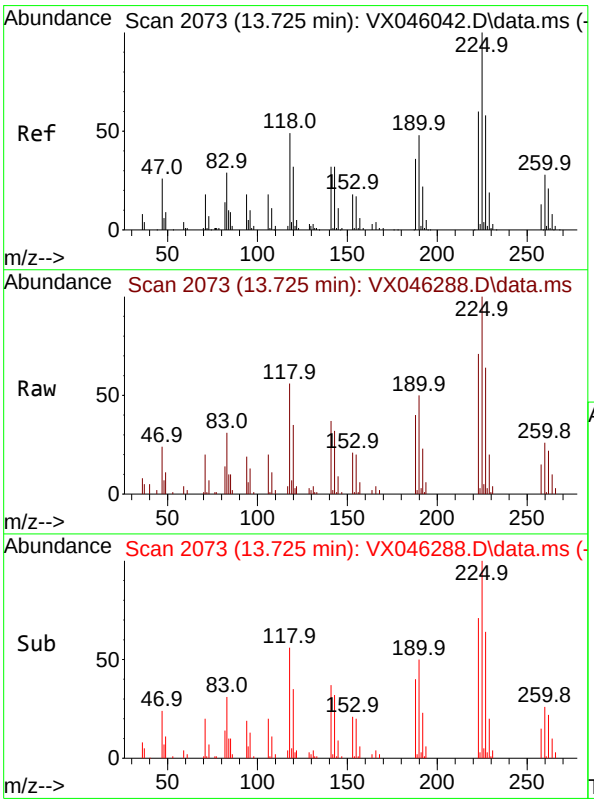
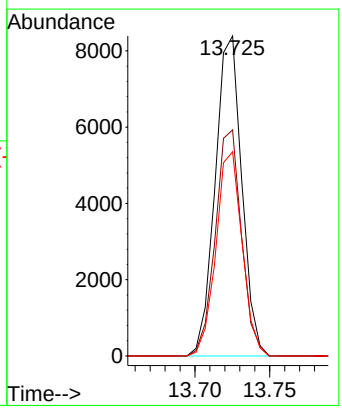
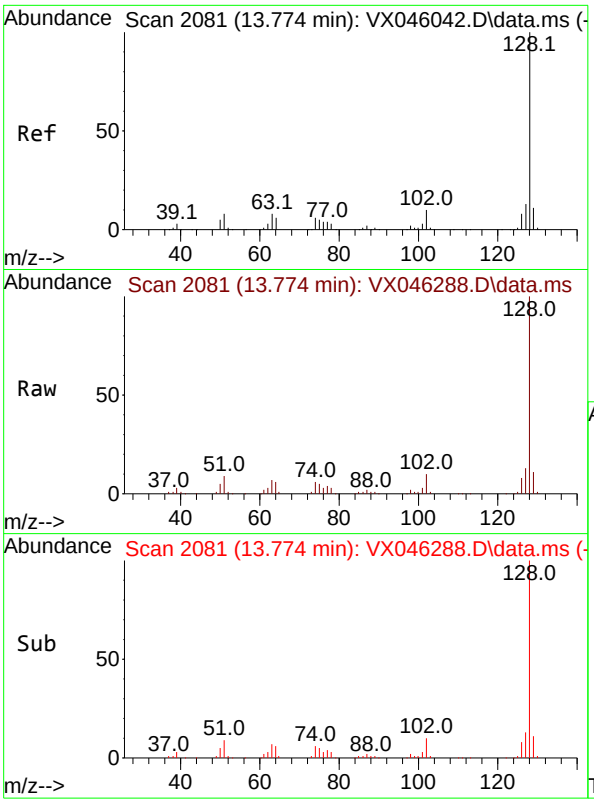


#94
Hexachlorobutadiene
Concen: 20.500 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:225 Resp: 10376

Ion	Ratio	Lower	Upper
225	100		
223	69.6	30.8	92.4
227	62.8	30.9	92.7

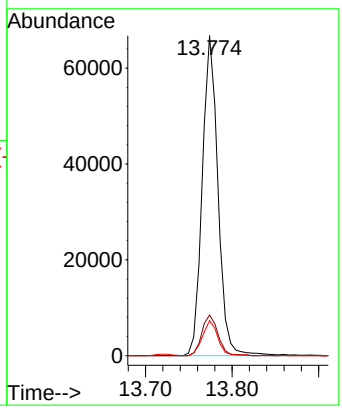




#95
Naphthalene
Concen: 19.771 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:128 Resp: 8403

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBSD01

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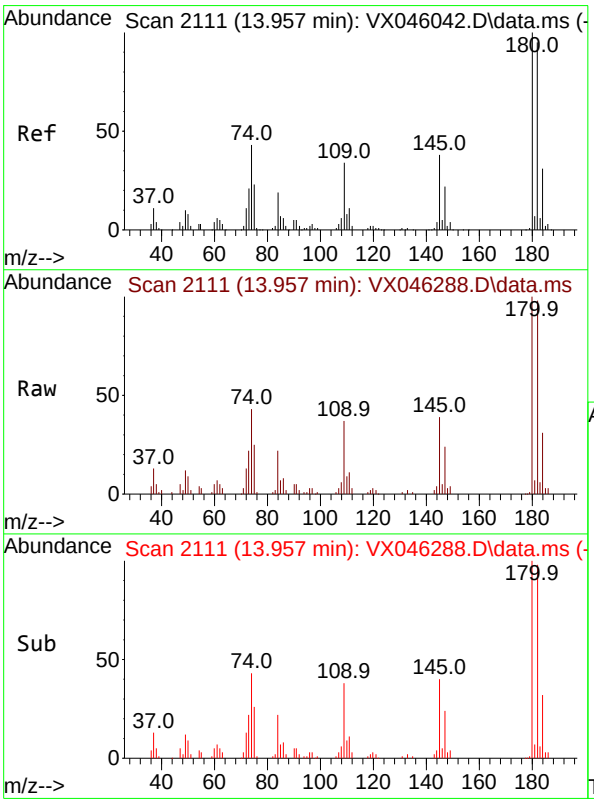
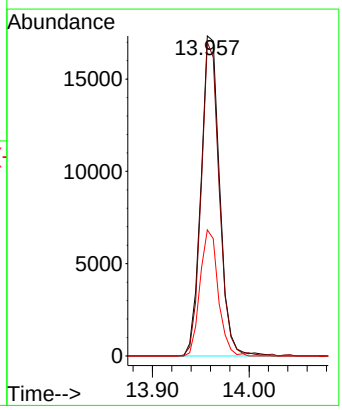


#96
1,2,3-Trichlorobenzene
Concen: 19.493 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046288.D
Acq: 21 May 2025 11:36

Tgt Ion:180 Resp: 23310

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	38.1	18.1	54.3



Raw Data: **VY022350.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-11MS	SDG No.:	Q2075
Lab Sample ID:	Q2075-04MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	8.42 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022350.D	1		05/20/25 18:04	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	31.6		0.54	3.40	ug/Kg
108-88-3	Toluene	40.1		0.53	3.40	ug/Kg
100-41-4	Ethyl Benzene	46.5		0.46	3.40	ug/Kg
1330-20-7	Total Xylenes	202		1.40	10.2	ug/Kg
98-82-8	Isopropylbenzene	34.0		0.53	3.40	ug/Kg
103-65-1	n-propylbenzene	39.5		0.50	3.40	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	47.6		0.56	3.40	ug/Kg
98-06-6	tert-Butylbenzene	28.7		0.46	3.40	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	120	E	0.43	3.40	ug/Kg
135-98-8	sec-Butylbenzene	30.9		0.45	3.40	ug/Kg
99-87-6	p-Isopropyltoluene	29.0		0.42	3.40	ug/Kg
104-51-8	n-Butylbenzene	30.5		0.99	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	42.1		70 - 134	84%	SPK: 50
2037-26-5	Toluene-d8	39.0		74 - 123	78%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.5		38 - 136	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	7.707			
540-36-3	1,4-Difluorobenzene	249000	8.616			
3114-55-4	Chlorobenzene-d5	211000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	91800	13.346			

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

Sample Results: **VY022350.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022350.D
Acq On : 20 May 2025 18:04
Operator : SY/MD
Sample : Q2075-04MS
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 21 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	134739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	248613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	210937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	91777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	72386	49.156	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.320%			
35) Dibromofluoromethane	7.634	113	62420	42.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 84.140%			
50) Toluene-d8	10.103	98	237206	39.032	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 78.060%			
62) 4-Bromofluorobenzene	12.402	95	70287	36.488	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	56348	40.078	ug/l	98
3) Chloromethane	2.068	50	123754	41.844	ug/l	97
4) Vinyl Chloride	2.202	62	174062	52.678	ug/l	99
5) Bromomethane	2.592	94	141829	52.728	ug/l	98
6) Chloroethane	2.733	64	122520	59.602	ug/l	96
7) Trichlorofluoromethane	3.050	101	156156	46.678	ug/l	98
8) Diethyl Ether	3.458	74	43057	53.630	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.812	101	66020	45.458	ug/l	99
10) Methyl Iodide	4.007	142	72138	42.915	ug/l	98
11) Tert butyl alcohol	4.854	59	35711	317.570	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	67155	46.595	ug/l	94
13) Acrolein	3.653	56	7463	45.397	ug/l	93
14) Allyl chloride	4.385	41	98704	39.058	ug/l	95
15) Acrylonitrile	5.061	53	103710	313.501	ug/l	99
16) Acetone	3.866	43	110655	400.754	ug/l	97
17) Carbon Disulfide	4.104	76	208241	44.308	ug/l	97
18) Methyl Acetate	4.385	43	84160	96.672	ug/l	95
19) Methyl tert-butyl Ether	5.110	73	218891	55.081	ug/l	97
20) Methylene Chloride	4.610	84	87018	48.772	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	73716	46.338	ug/l	93
22) Diisopropyl ether	6.019	45	245578	46.017	ug/l	96
23) Vinyl Acetate	5.958	43	330432m	102.488	ug/l	
24) 1,1-Dichloroethane	5.915	63	139506	46.790	ug/l	98
25) 2-Butanone	6.890	43	148252	320.987	ug/l	99
26) 2,2-Dichloropropane	6.884	77	112808	42.539	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	89679	48.851	ug/l	96
28) Bromochloromethane	7.244	49	64533	50.744	ug/l	95
29) Tetrahydrofuran	7.262	42	90620	304.973	ug/l	94
30) Chloroform	7.421	83	142853	49.952	ug/l	100
31) Cyclohexane	7.701	56	125366	42.084	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	119863	45.684	ug/l	99
36) 1,1-Dichloropropene	7.835	75	98113	40.143	ug/l	99
37) Ethyl Acetate	6.982	43	56188	47.780	ug/l	98
38) Carbon Tetrachloride	7.817	117	99798	39.447	ug/l	98
39) Methylcyclohexane	9.109	83	138464	42.168	ug/l	95
40) Benzene	8.079	78	337331	46.557	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022350.D
Acq On : 20 May 2025 18:04
Operator : SY/MD
Sample : Q2075-04MS
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 21 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	37494m	48.065	ug/l		
42) 1,2-Dichloroethane	8.158	62	93895	47.921	ug/l		99
43) Isopropyl Acetate	8.195	43	118747	46.301	ug/l		98
44) Trichloroethene	8.866	130	76767	42.611	ug/l		96
45) 1,2-Dichloropropane	9.140	63	77314	44.259	ug/l		100
46) Dibromomethane	9.231	93	47093	49.983	ug/l		98
47) Bromodichloromethane	9.420	83	110805	45.333	ug/l		97
48) Methyl methacrylate	9.219	41	61695	51.439	ug/l		93
49) 1,4-Dioxane	9.225	88	12584	1182.288	ug/l		87
51) 4-Methyl-2-Pentanone	9.993	43	331638	263.537	ug/l		96
52) Toluene	10.170	92	270916	59.047	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	100132	41.978	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	111408	40.765	ug/l		95
55) 1,1,2-Trichloroethane	10.573	97	63450	52.591	ug/l		97
56) Ethyl methacrylate	10.438	69	86668	46.116	ug/l		97
57) 1,3-Dichloropropane	10.713	76	106036	49.466	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	233392	276.682	ug/l		97
59) 2-Hexanone	10.755	43	229677	272.212	ug/l		98
60) Dibromochloromethane	10.908	129	74674	47.686	ug/l		99
61) 1,2-Dibromoethane	11.012	107	57989	51.569	ug/l		100
64) Tetrachloroethene	10.646	164	86840	44.540	ug/l		97
65) Chlorobenzene	11.438	112	202100	42.467	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	72002	44.010	ug/l		99
67) Ethyl Benzene	11.518	91	610361	68.483	ug/l		98
68) m/p-Xylenes	11.621	106	644327	191.856	ug/l		97
69) o-Xylene	11.950	106	336339	105.852	ug/l		97
70) Styrene	11.969	104	229737	42.862	ug/l		85
71) Bromoform	12.133	173	41163	46.614	ug/l	#	100
73) Isopropylbenzene	12.255	105	380671	50.067	ug/l		100
74) N-amyl acetate	12.066	43	39779	18.293	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	67117	57.399	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	49717m	53.471	ug/l		
77) Bromobenzene	12.530	156	74750	46.031	ug/l		100
78) n-propylbenzene	12.591	91	533019	58.120	ug/l		100
79) 2-Chlorotoluene	12.676	91	302269	59.976	ug/l		86
80) 1,3,5-Trimethylbenzene	12.737	105	429588	69.992	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.298	75	17234	37.548	ug/l		97
82) 4-Chlorotoluene	12.779	91	214721	41.421	ug/l		97
83) tert-Butylbenzene	12.993	119	230609	42.273	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1031502	169.301	ug/l		98
85) sec-Butylbenzene	13.176	105	368553	45.512	ug/l		100
86) p-Isopropyltoluene	13.292	119	291194	42.756	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	138719	41.845	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	134979	42.329	ug/l		99
89) n-Butylbenzene	13.615	91	289529	44.935	ug/l		90
90) Hexachloroethane	13.883	117	61677	44.862	ug/l		86
91) 1,2-Dichlorobenzene	13.657	146	121088	43.485	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11322	60.046	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	52505	32.643	ug/l	#	89
94) Hexachlorobutadiene	15.023	225	25002	27.873	ug/l		97
95) Naphthalene	15.145	128	206730	67.728	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	45418	33.285	ug/l	#	69

Sample Results: **VY022350.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022350.D
Acq On : 20 May 2025 18:04
Operator : SY/MD
Sample : Q2075-04MS
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Quant Time: May 21 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022350.D
Acq On : 20 May 2025 18:04
Operator : SY/MD
Sample : Q2075-04MS
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
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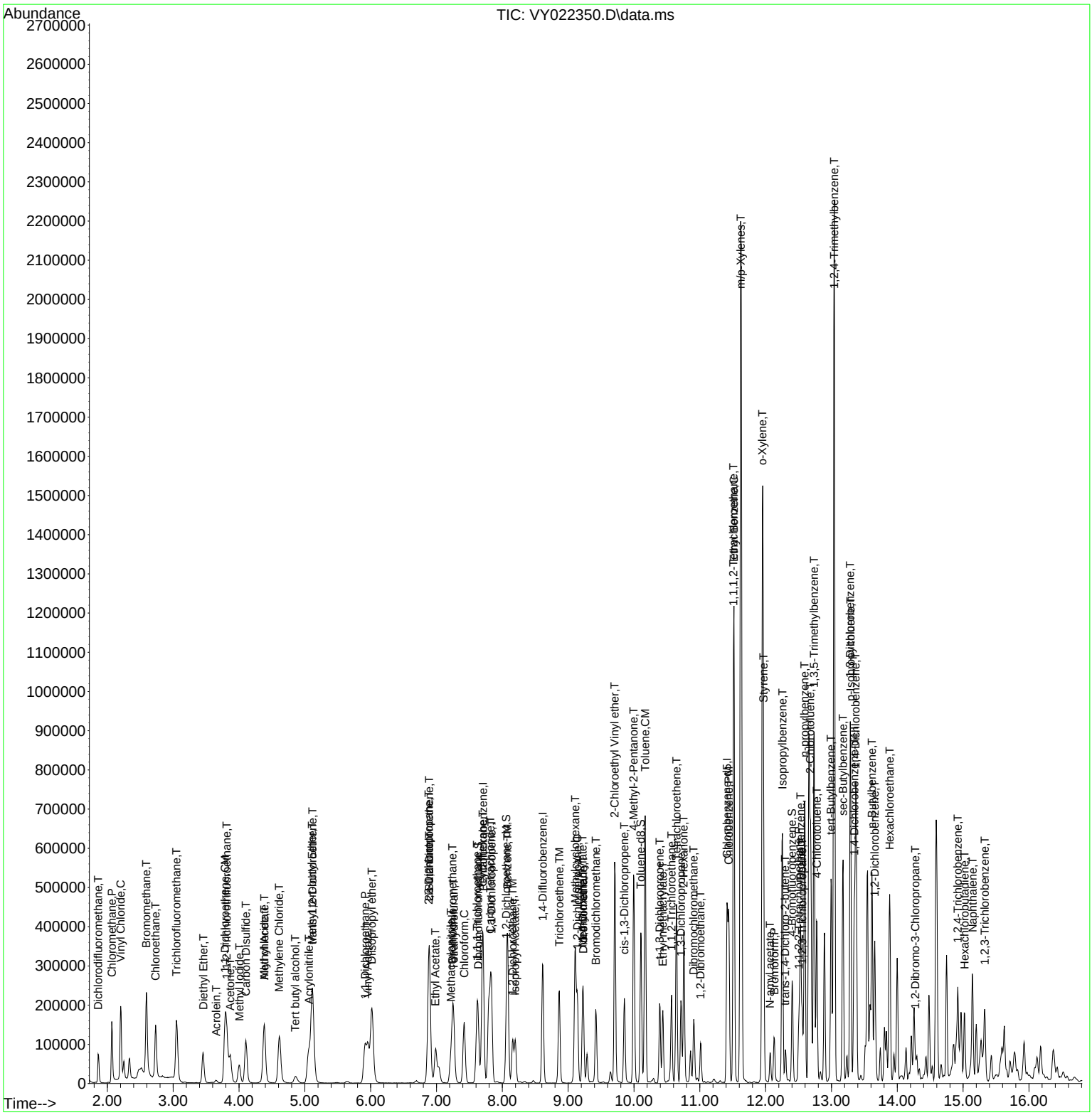
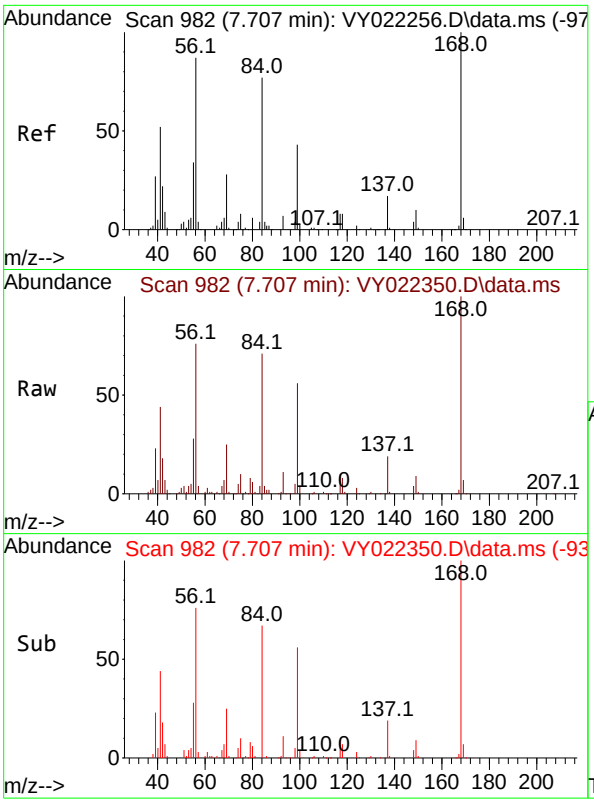
Quant Time: May 21 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

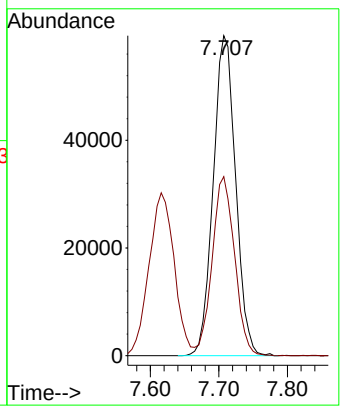




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:168 Resp: 13473

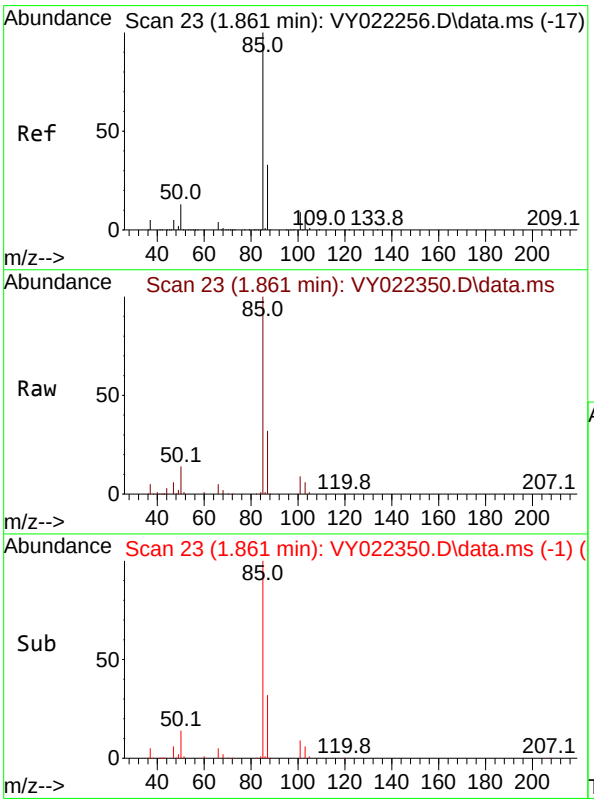
Ion	Ratio	Lower	Upper
168	100		
99	55.9	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
APPROVED

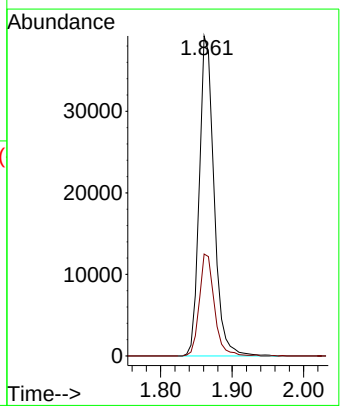
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

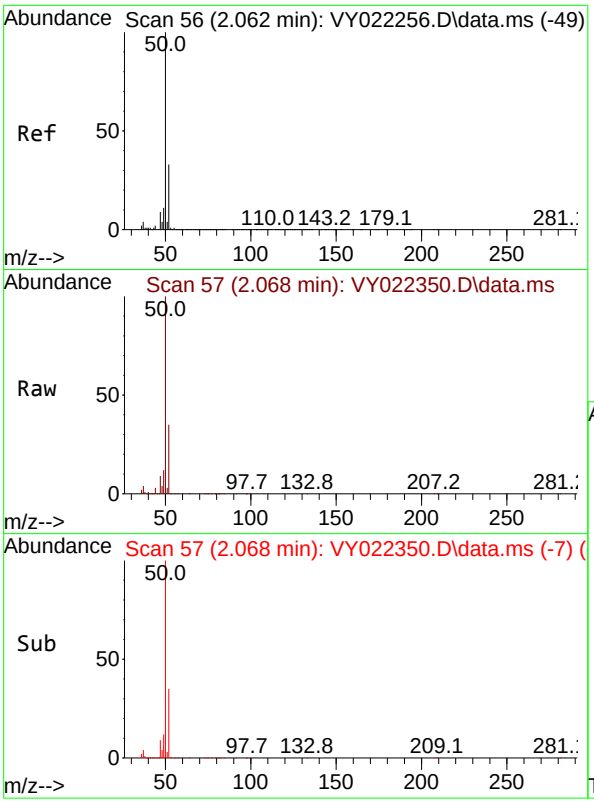


#2
Dichlorodifluoromethane
Concen: 40.078 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 85 Resp: 56348

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.5	49.5

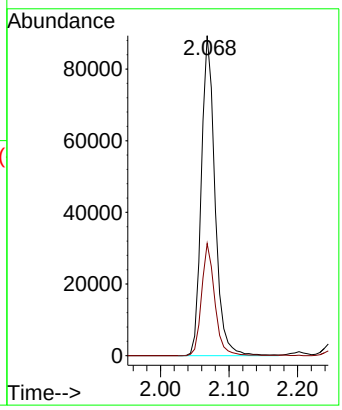




#3
Chloromethane
Concen: 41.844 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 50 Resp: 12375

Ion	Ratio	Lower	Upper
50	100		
52	35.1	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
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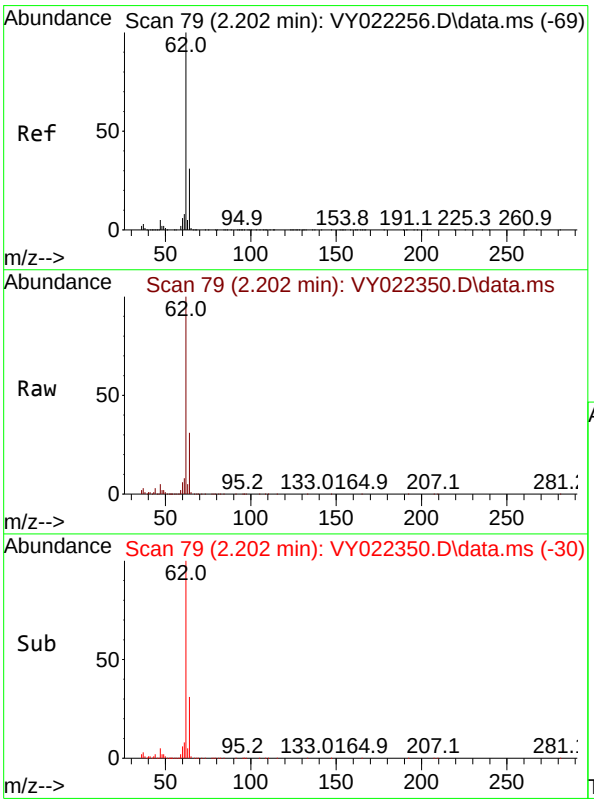
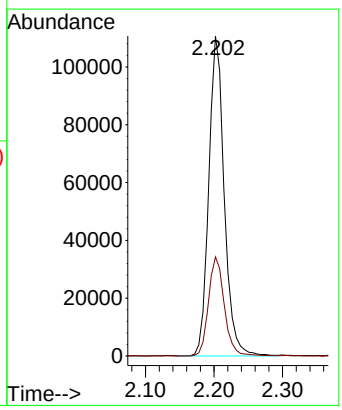
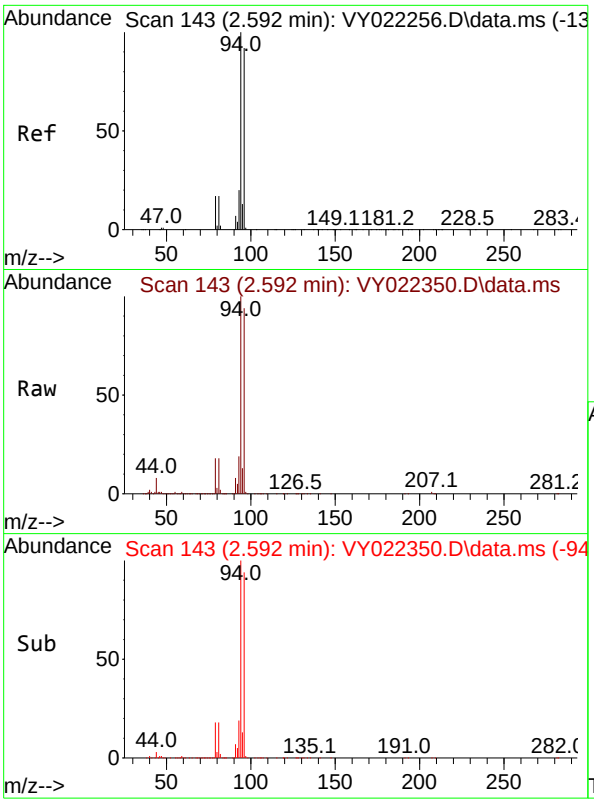


#4
Vinyl Chloride
Concen: 52.678 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 62 Resp: 174062

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.5	36.7

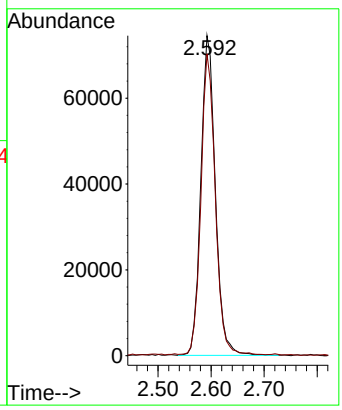




#5
Bromomethane
Concen: 52.728 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 94 Resp: 14182

Ion	Ratio	Lower	Upper
94	100		
96	94.1	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
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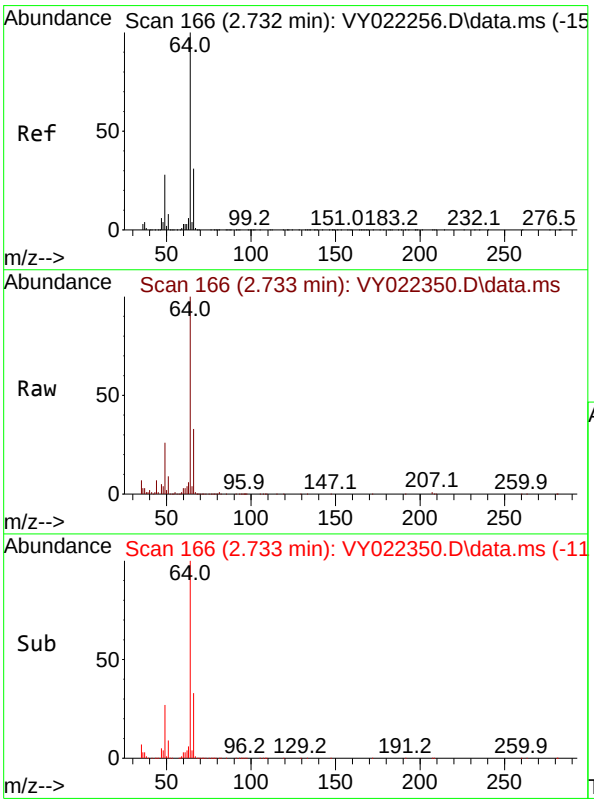
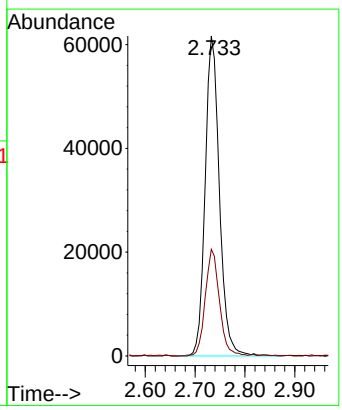
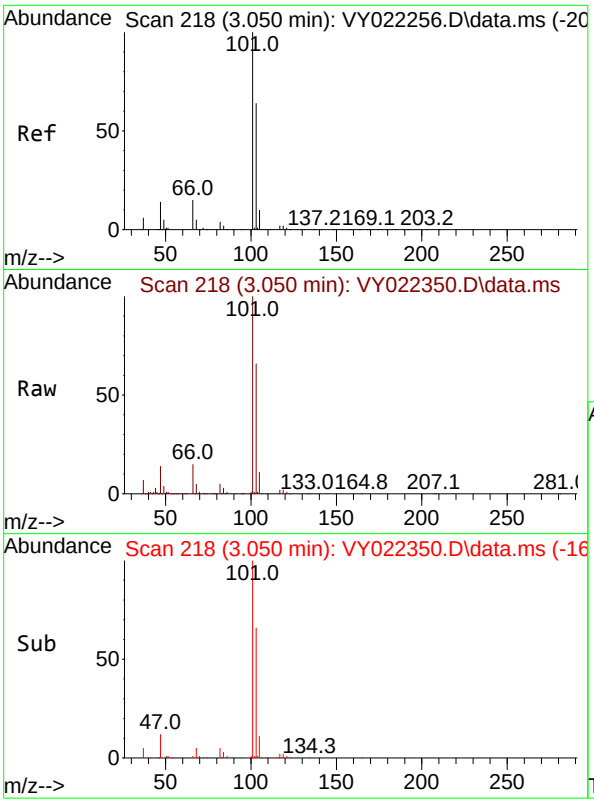


#6
Chloroethane
Concen: 59.602 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 64 Resp: 122520

Ion	Ratio	Lower	Upper
64	100		
66	33.3	24.8	37.2

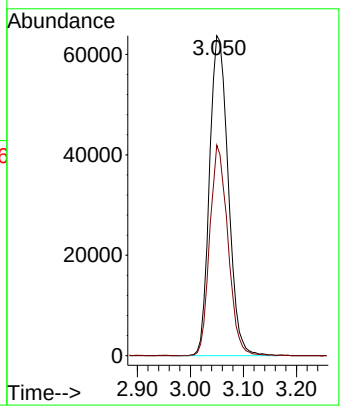




#7
Trichlorofluoromethane
Concen: 46.678 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:101 Resp: 15615

Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
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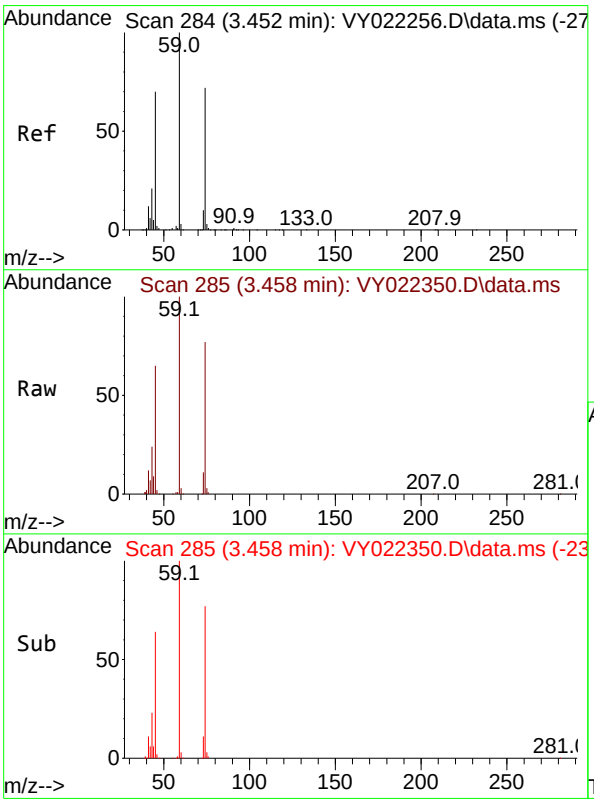
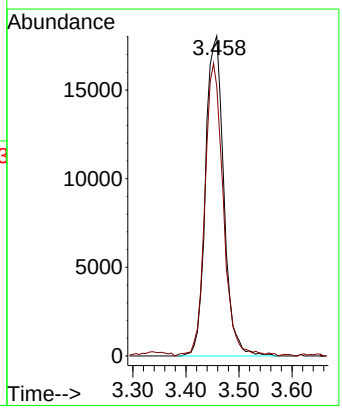
Supervised By :Semsettin Yesilyurt 05/21/2025

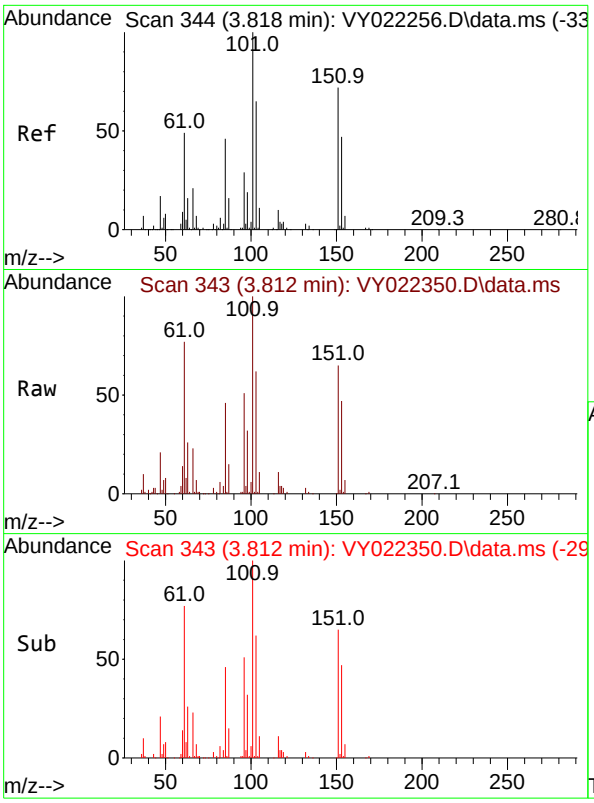


#8
Diethyl Ether
Concen: 53.630 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 74 Resp: 43057

Ion	Ratio	Lower	Upper
74	100		
45	91.8	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.458 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:101 Resp: 6602

Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.6	58.0
151	73.6	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
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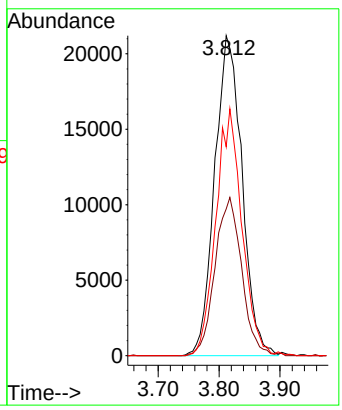
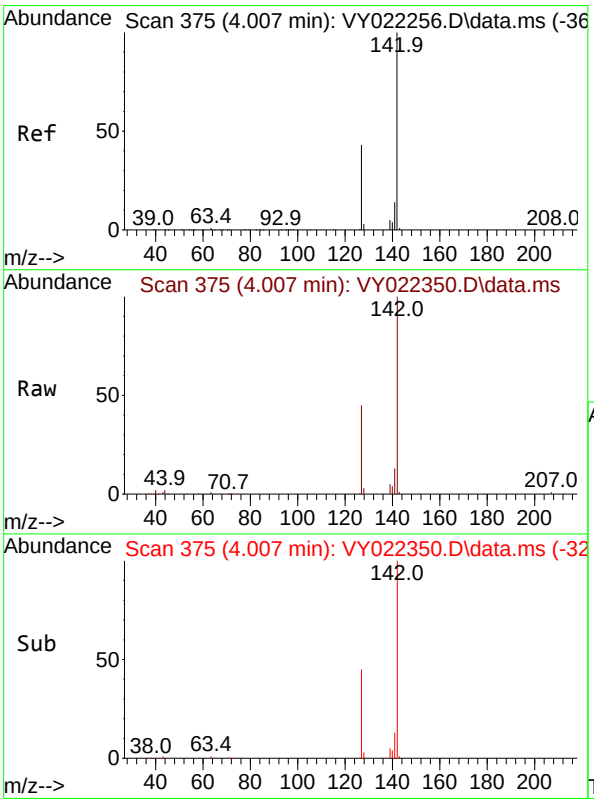
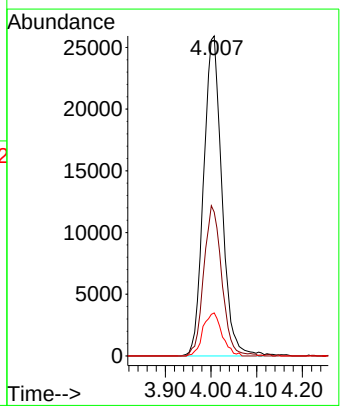


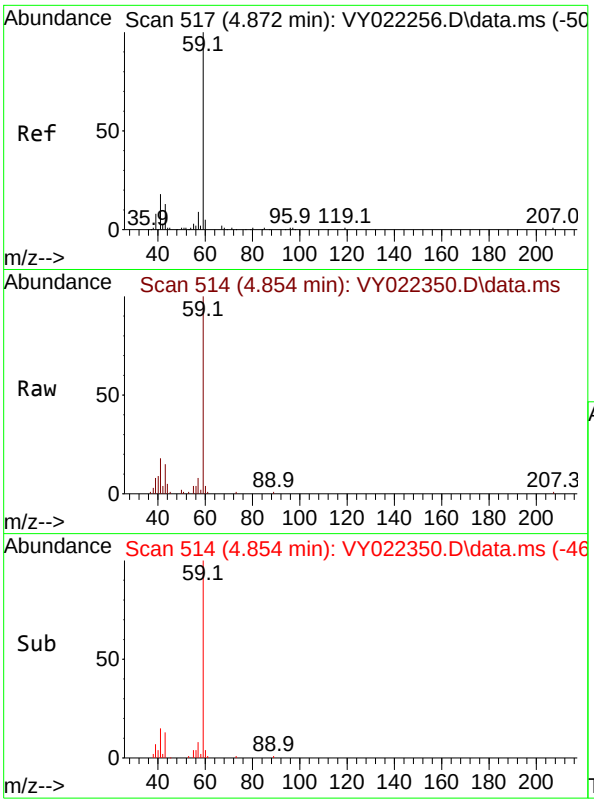


#10
Methyl Iodide
Concen: 42.915 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:142 Resp: 72138

Ion	Ratio	Lower	Upper
142	100		
127	46.1	35.7	53.5
141	14.0	11.1	16.7





#11
Tert butyl alcohol
Concen: 317.570 ug/l
RT: 4.854 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 59 Resp: 3571

Ion	Ratio	Lower	Upper
59	100		
57	10.8	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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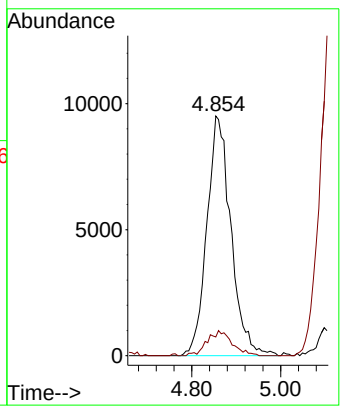
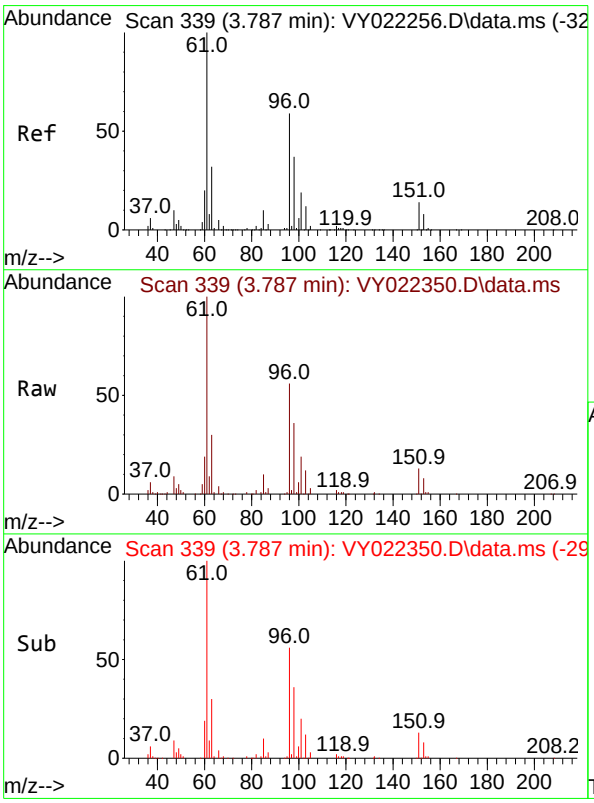
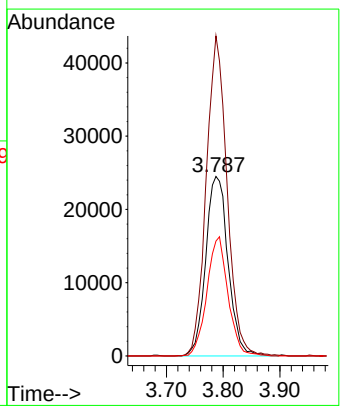


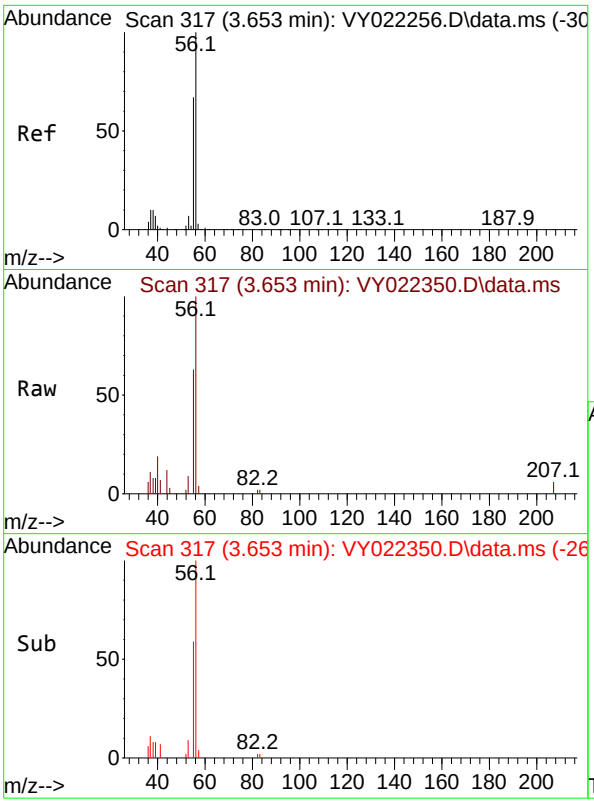


#12
1,1-Dichloroethene
Concen: 46.595 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 96 Resp: 67155

Ion	Ratio	Lower	Upper
96	100		
61	178.1	134.9	202.3
98	64.0	49.9	74.9





#13
Acrolein
Concen: 45.397 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 56 Resp: 746

Ion	Ratio	Lower	Upper
56	100		
55	75.0	55.6	83.4

Instrument :
MSVOA_Y
ClientSampleId :
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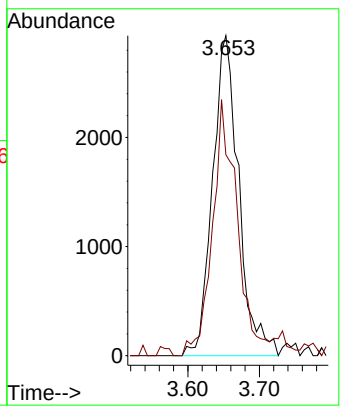
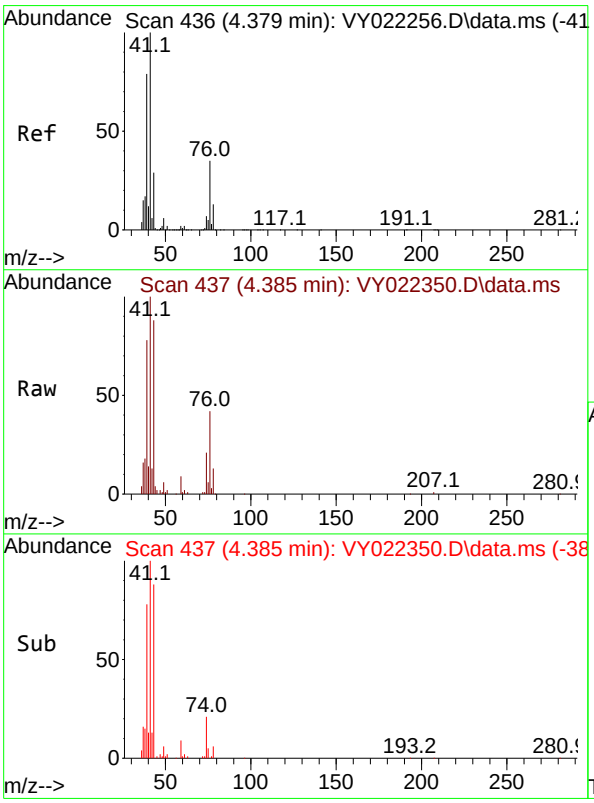
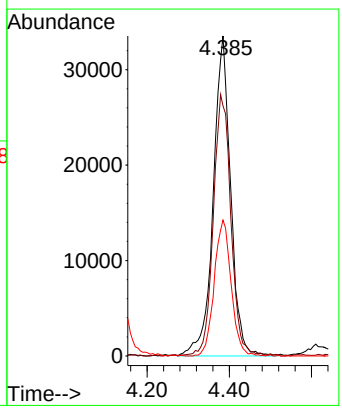


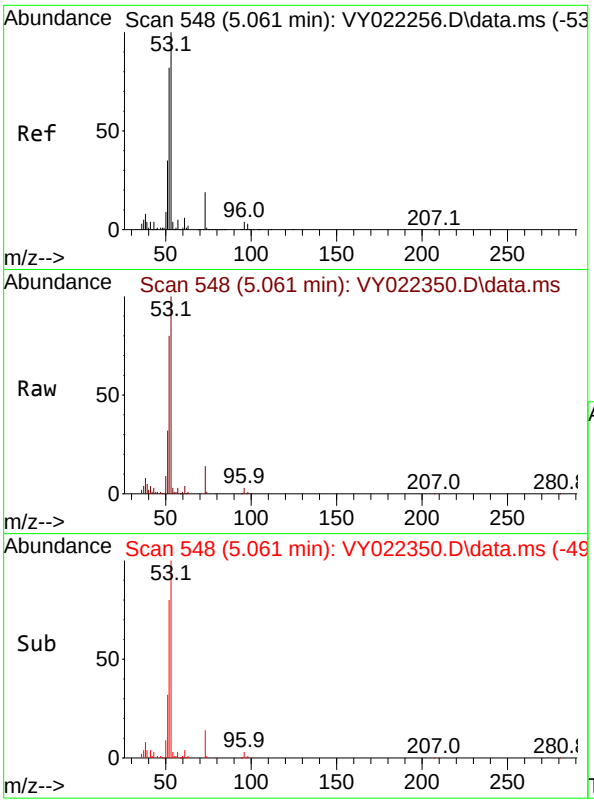


#14
Allyl chloride
Concen: 39.058 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 41 Resp: 98704

Ion	Ratio	Lower	Upper
41	100		
39	82.7	63.4	95.0
76	41.3	29.5	44.3

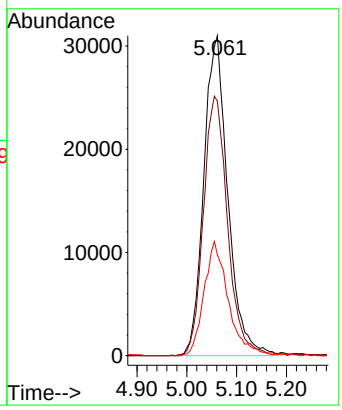




#15
Acrylonitrile
Concen: 313.501 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 53 Resp: 10371

Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.1	99.1
51	35.9	30.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
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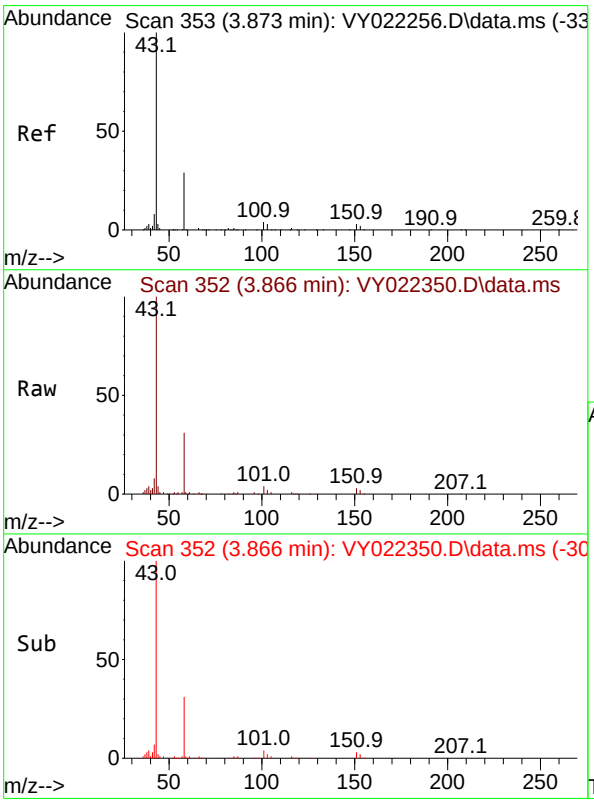
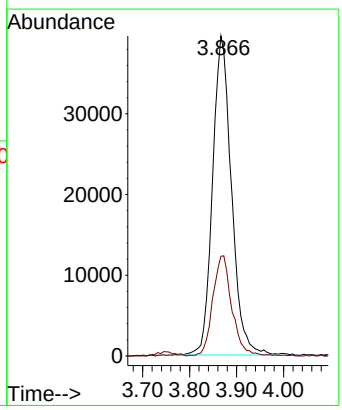
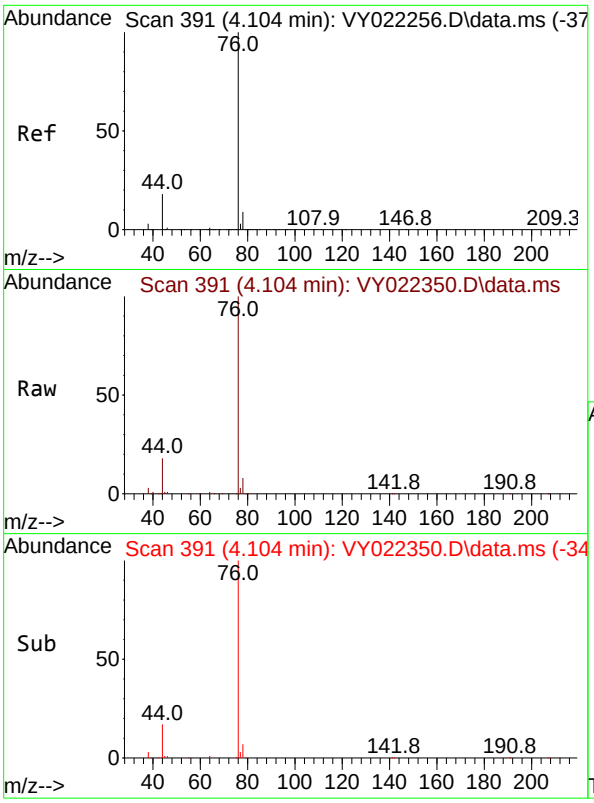


#16
Acetone
Concen: 400.754 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 110655

Ion	Ratio	Lower	Upper
43	100		
58	31.1	23.6	35.4





#17
Carbon Disulfide
Concen: 44.308 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 76 Resp: 20824

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
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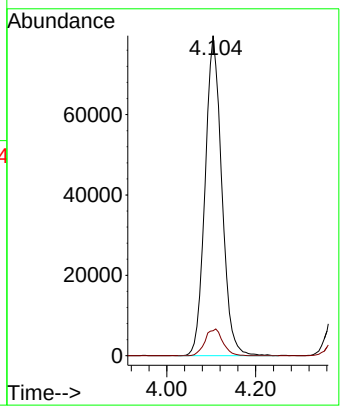
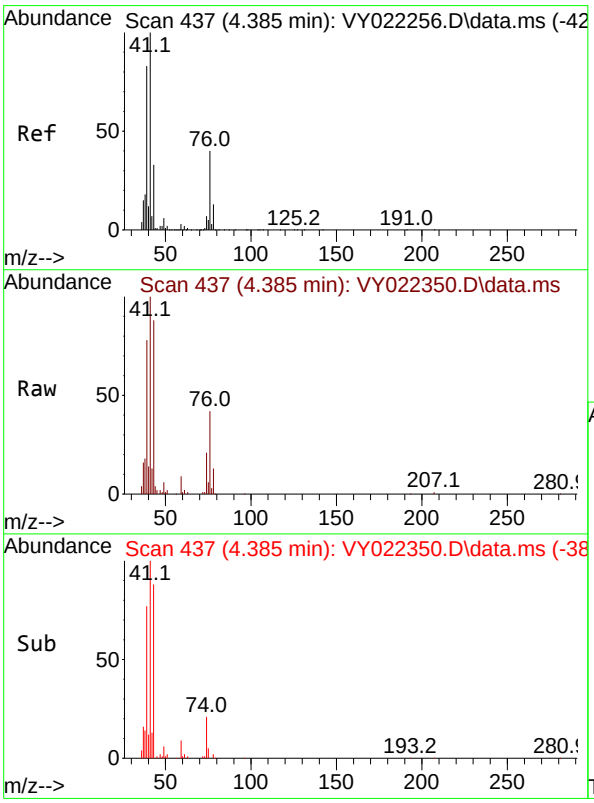
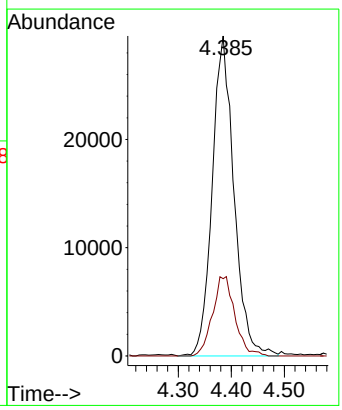


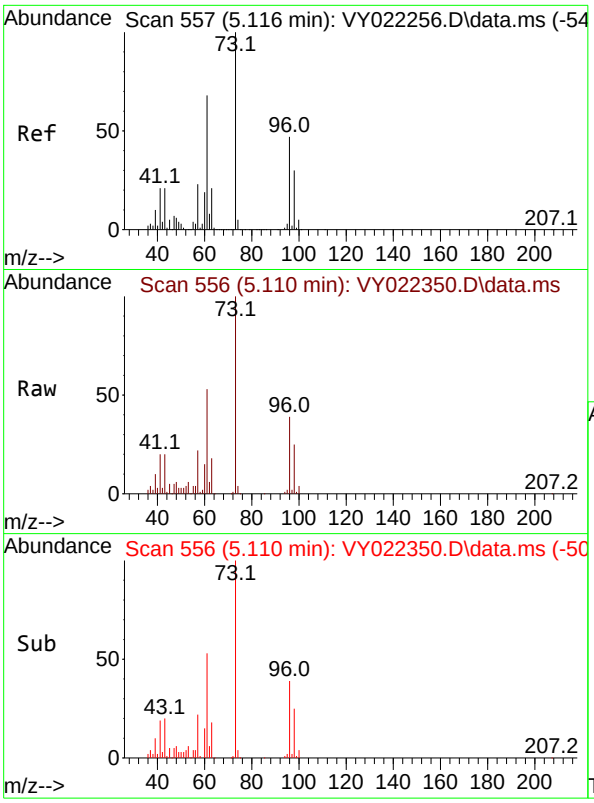


#18
Methyl Acetate
Concen: 96.672 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 84160

Ion	Ratio	Lower	Upper
43	100		
74	25.5	18.2	27.4

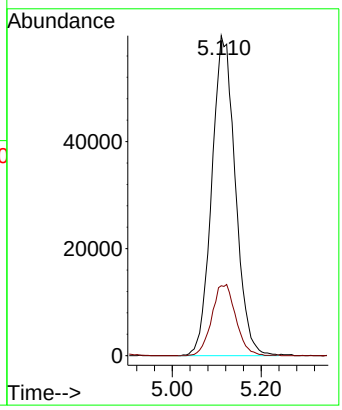




#19
Methyl tert-butyl Ether
Concen: 55.081 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 73 Resp: 21889

Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
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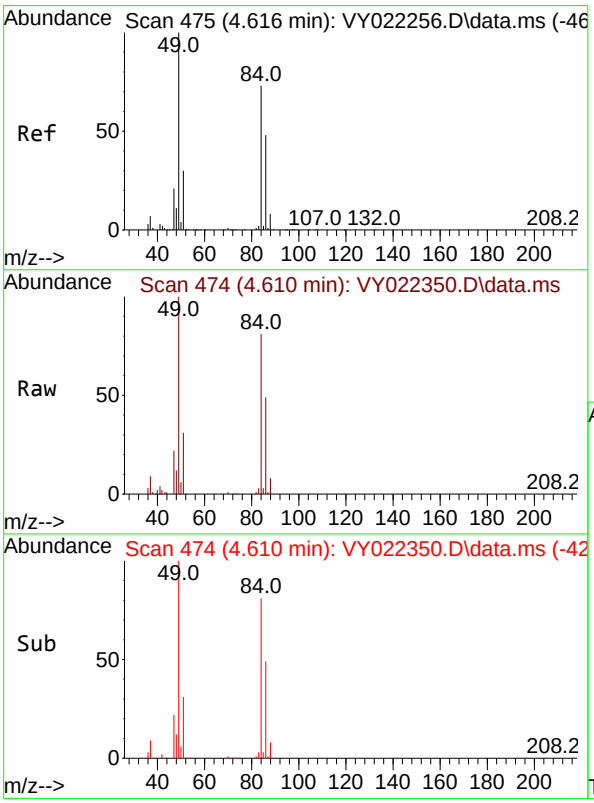
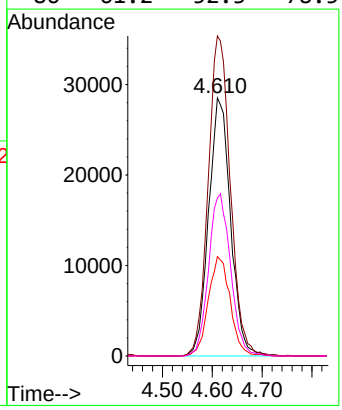
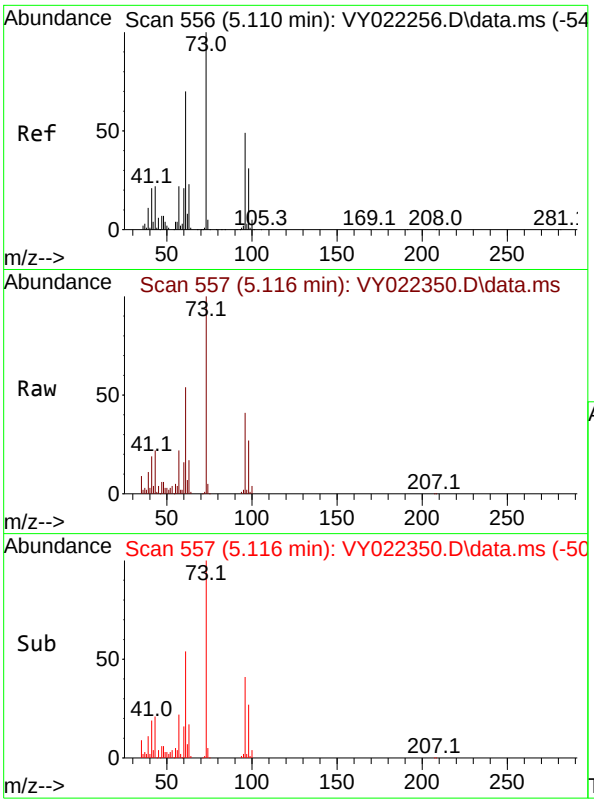


#20
Methylene Chloride
Concen: 48.772 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 84 Resp: 87018

Ion	Ratio	Lower	Upper
84	100		
49	124.0	109.6	164.4
51	38.5	32.4	48.6
86	61.2	52.3	78.5

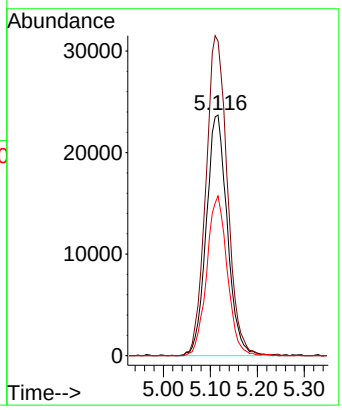




#21
trans-1,2-Dichloroethene
Concen: 46.338 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 96 Resp: 7371

Ion	Ratio	Lower	Upper
96	100		
61	130.7	113.4	170.0
98	66.4	50.9	76.3



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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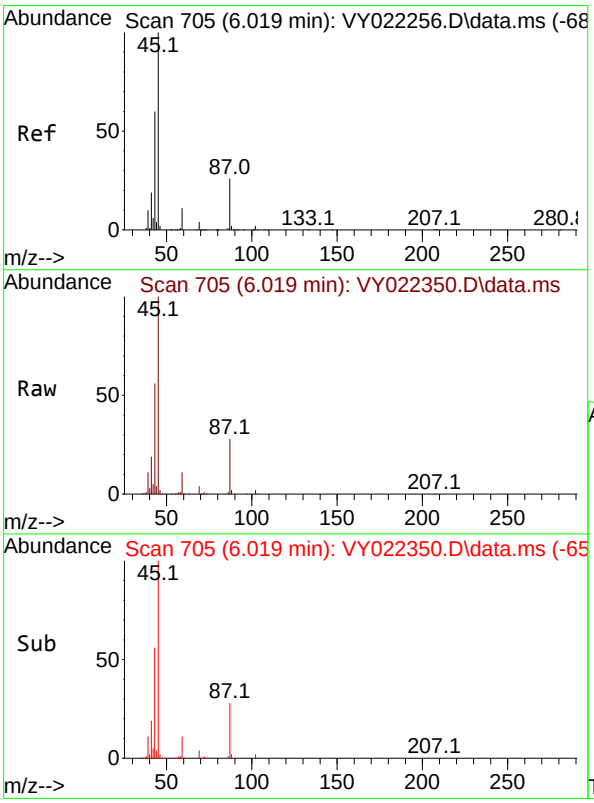
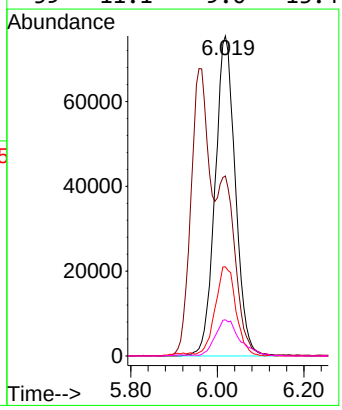
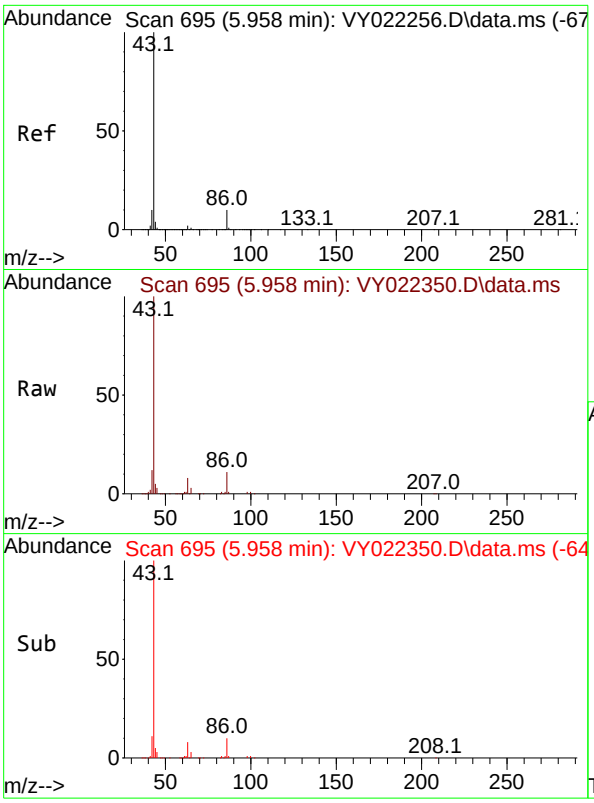


#22
Diisopropyl ether
Concen: 46.017 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 45 Resp: 245578

Ion	Ratio	Lower	Upper
45	100		
43	55.9	48.2	72.2
87	27.9	21.4	32.0
59	11.1	9.0	13.4





#23
Vinyl Acetate
Concen: 102.488 ug/l m
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 33043

Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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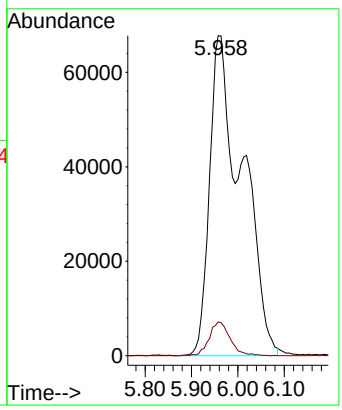
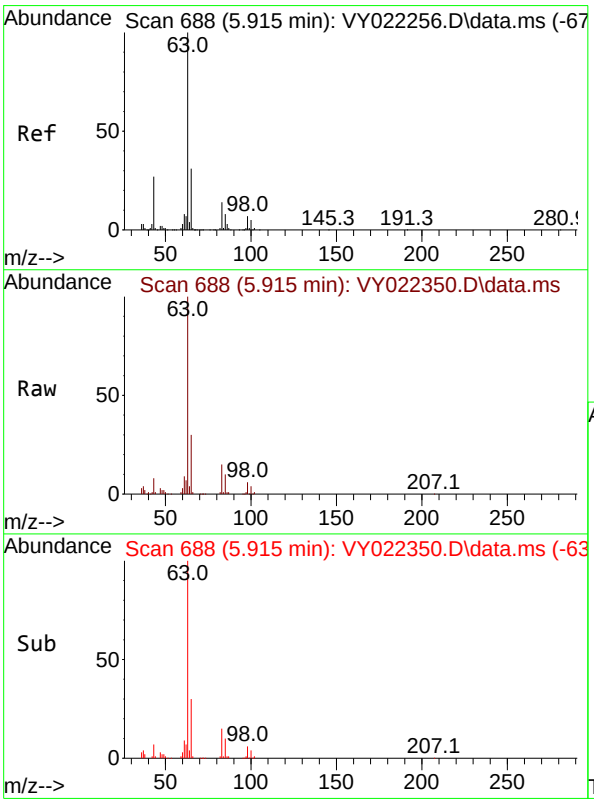
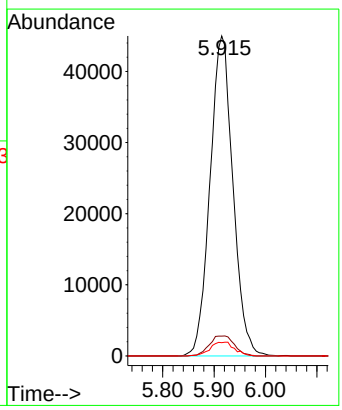


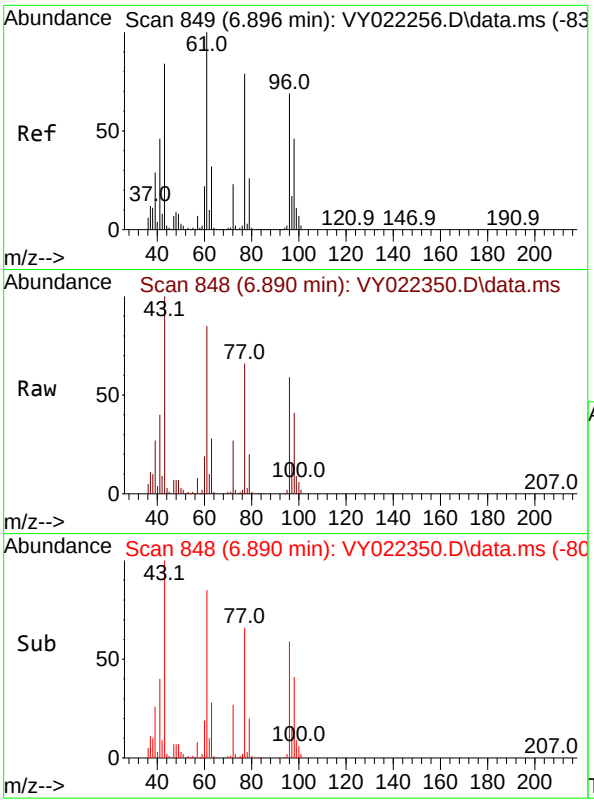


#24
1,1-Dichloroethane
Concen: 46.790 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 63 Resp: 139506

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 320.987 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 14825

Ion	Ratio	Lower	Upper
43	100		
72	27.3	22.1	33.1

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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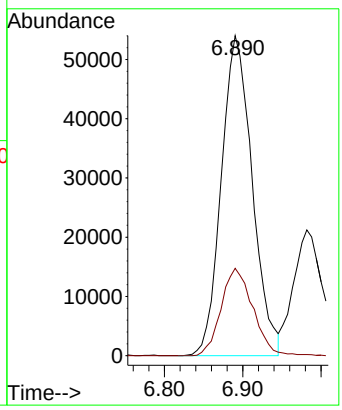
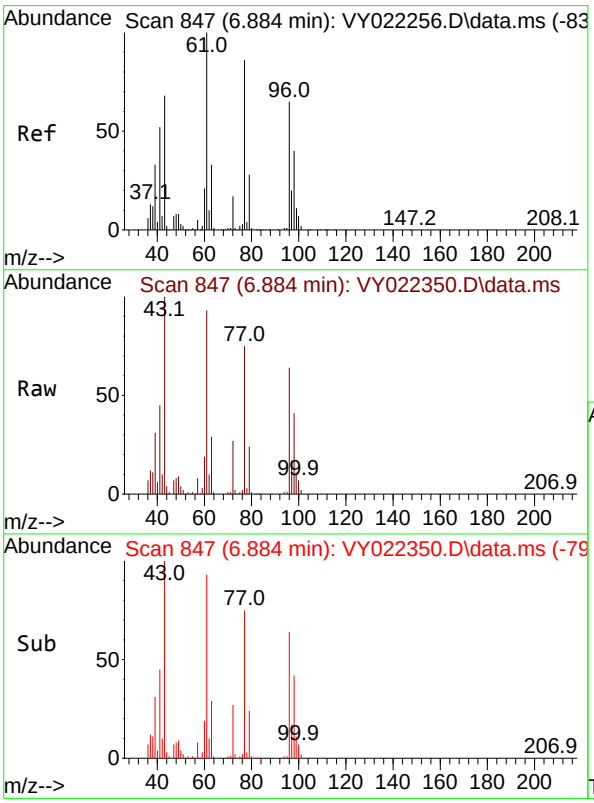
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

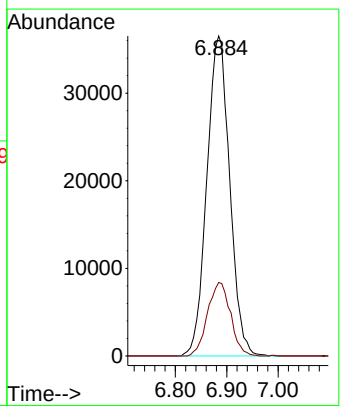


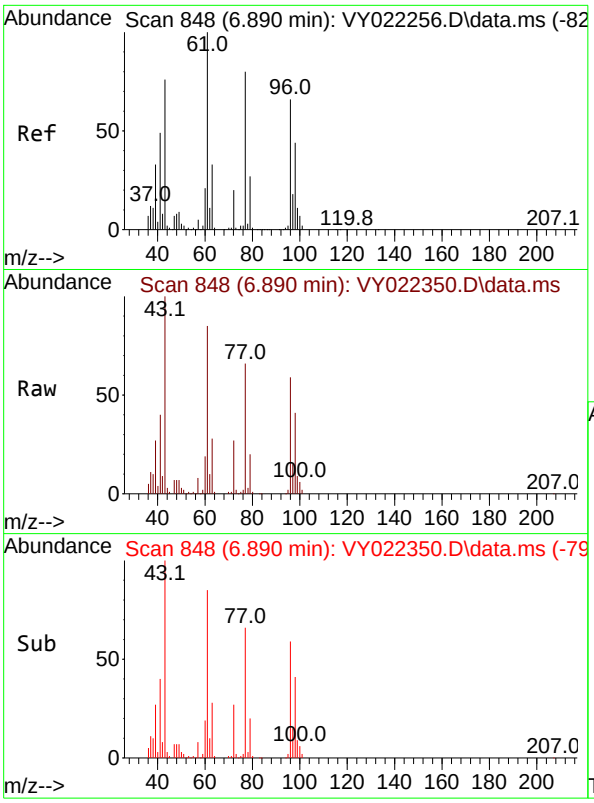


#26
2,2-Dichloropropane
Concen: 42.539 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 77 Resp: 112808

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 48.851 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 96 Resp: 8967

Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	302.6
98	65.3	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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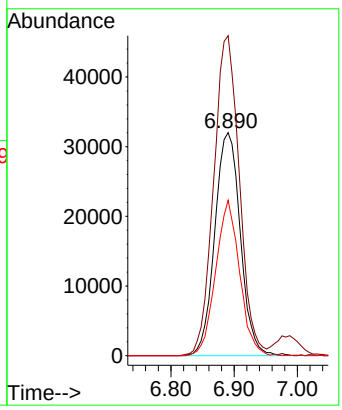
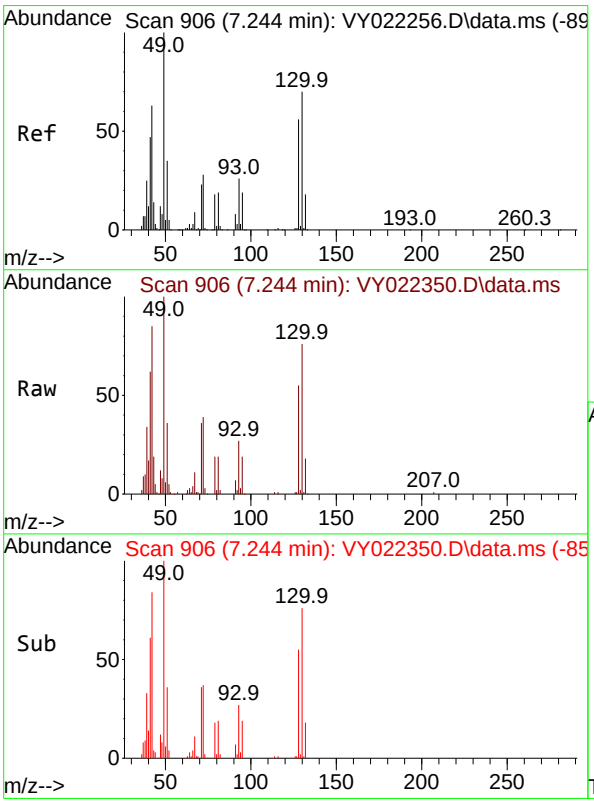
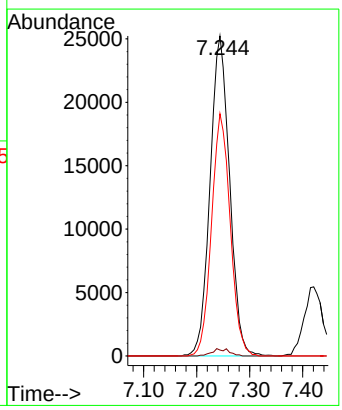


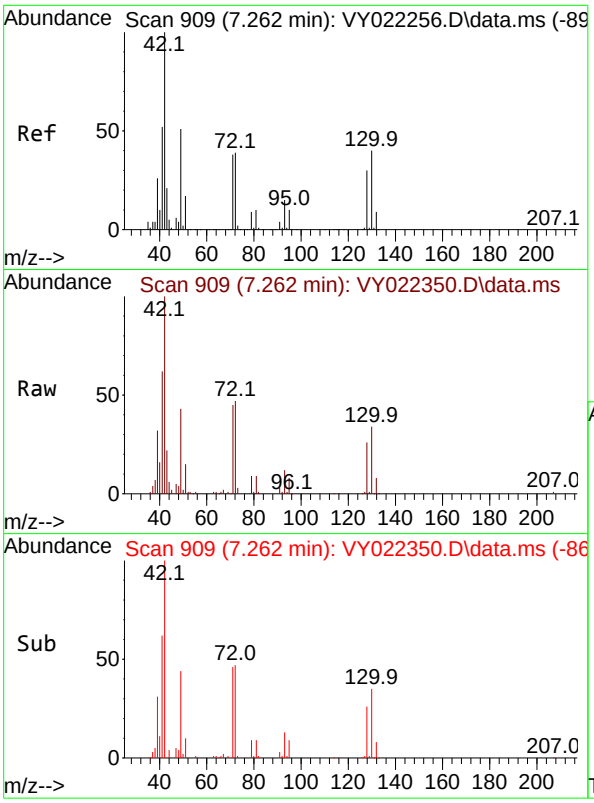


#28
Bromochloromethane
Concen: 50.744 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 49 Resp: 64533

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	72.4	54.7	82.1

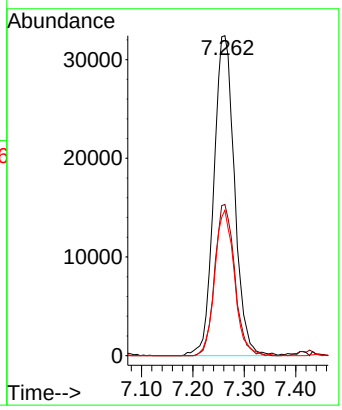




#29
Tetrahydrofuran
Concen: 304.973 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 42 Resp: 9062

Ion	Ratio	Lower	Upper
42	100		
72	45.6	33.8	50.6
71	43.2	31.5	47.3



Instrument :
MSVOA_Y
ClientSampleId :
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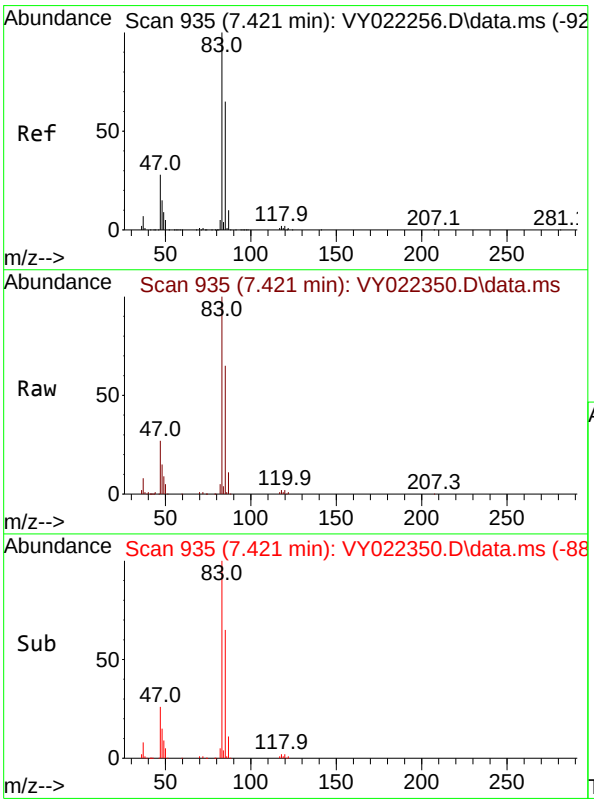
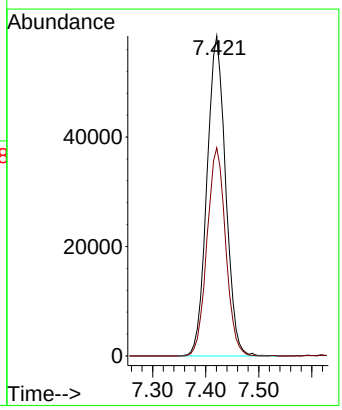
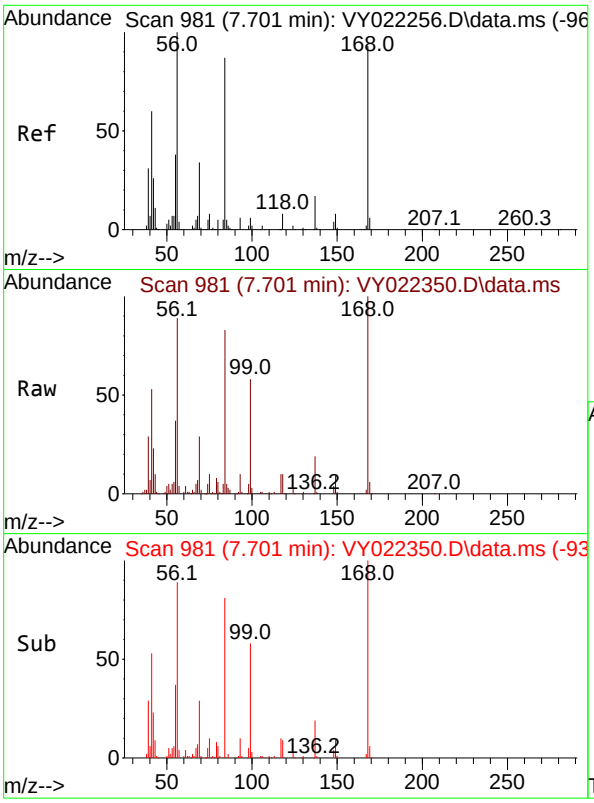


#30
Chloroform
Concen: 49.952 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 83 Resp: 142853

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8

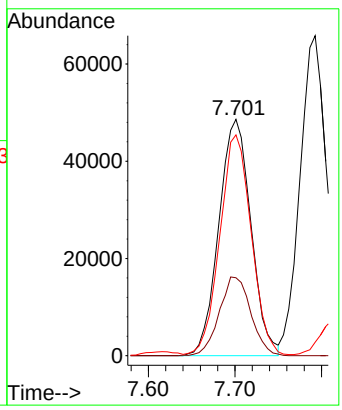




#31
Cyclohexane
Concen: 42.084 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 56 Resp: 12536

Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.4	41.2
84	92.3	70.0	105.0



Instrument :
MSVOA_Y
ClientSampleId :
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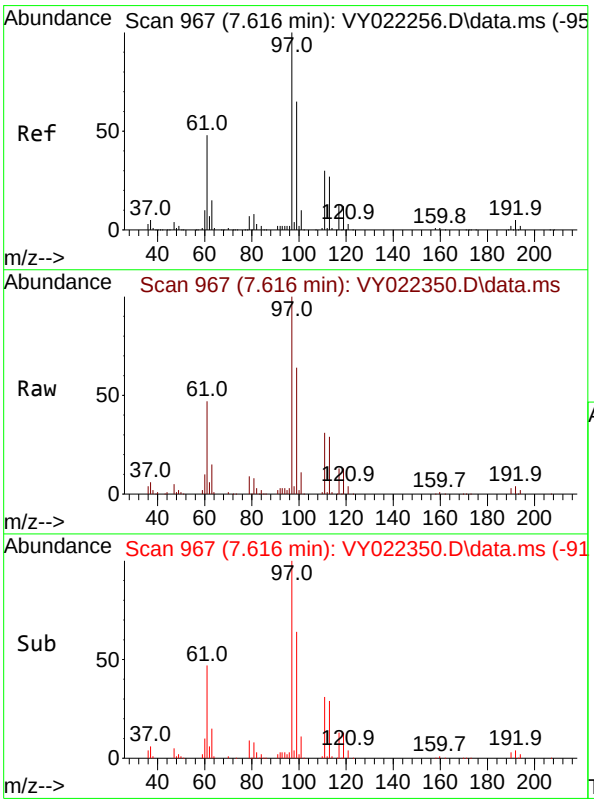
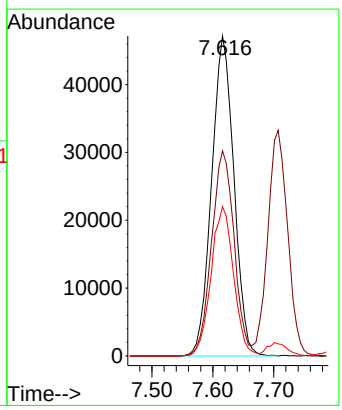
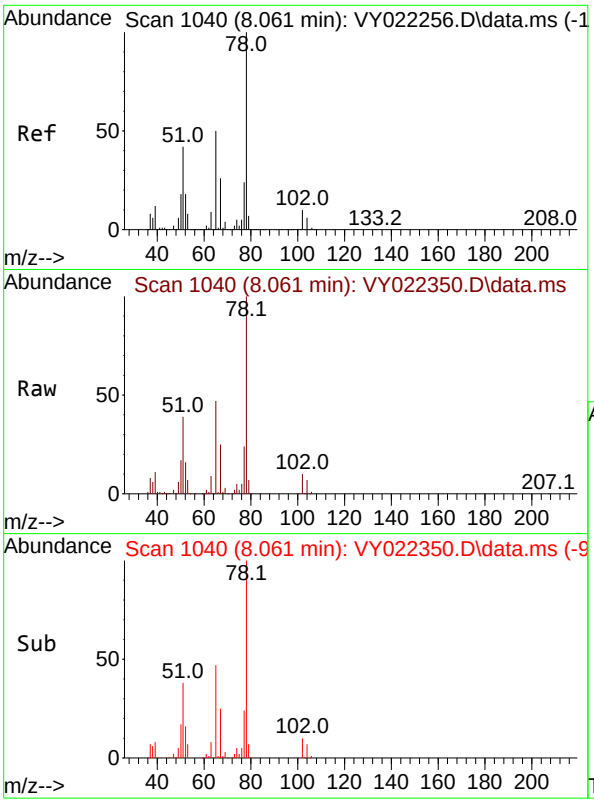


#32
1,1,1-Trichloroethane
Concen: 45.684 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 97 Resp: 119863

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	47.2	38.1	57.1





#33
1,2-Dichloroethane-d4
Concen: 49.156 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 65 Resp: 7238

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6

Instrument :
MSVOA_Y
ClientSampleId :
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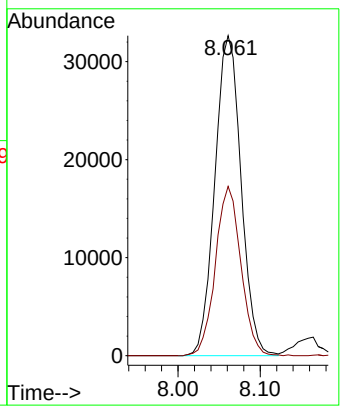
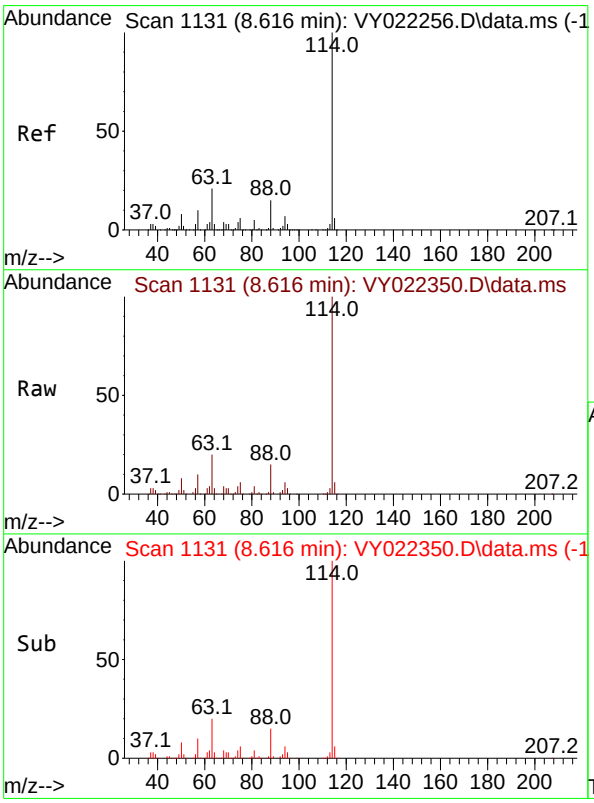
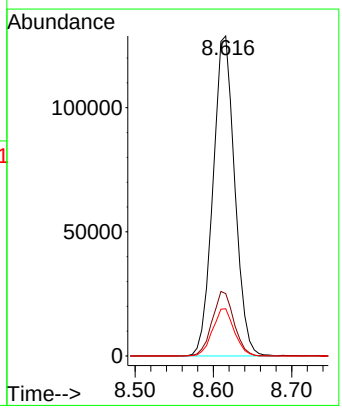


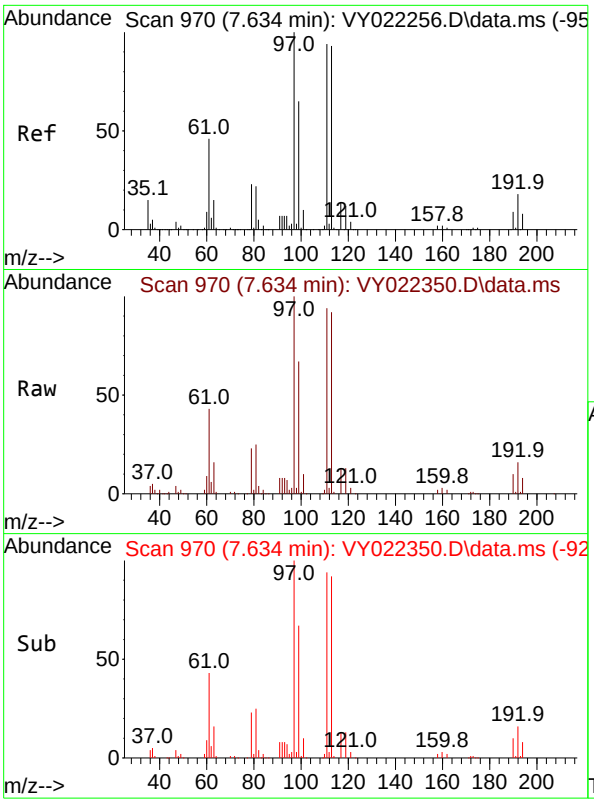


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:114 Resp: 248613

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.0
88	14.8	0.0	29.4

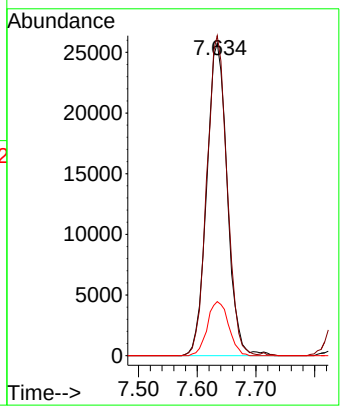




#35
Dibromofluoromethane
Concen: 42.066 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:113 Resp: 6242

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	123.8
192	18.0	15.2	22.8



Instrument :
MSVOA_Y
ClientSampleId :
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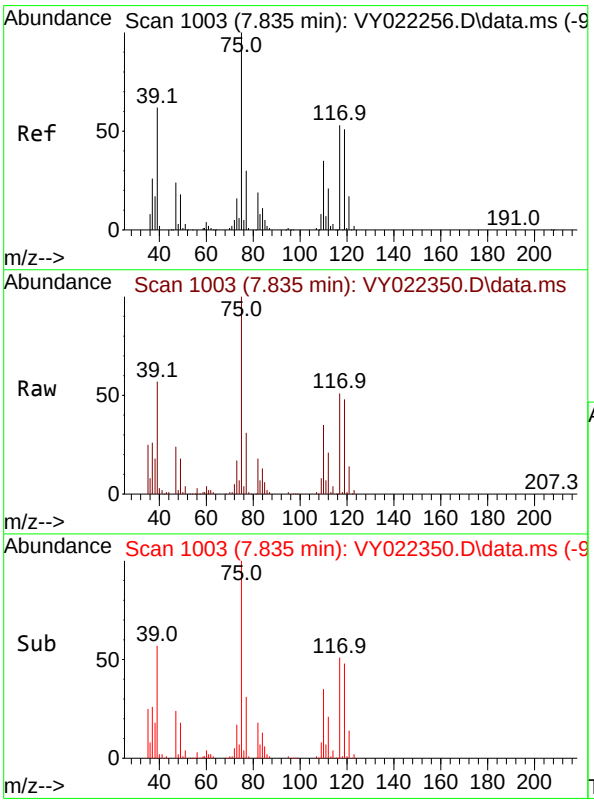
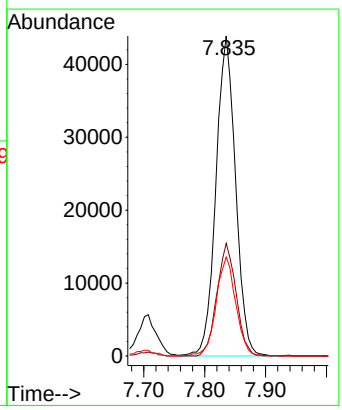
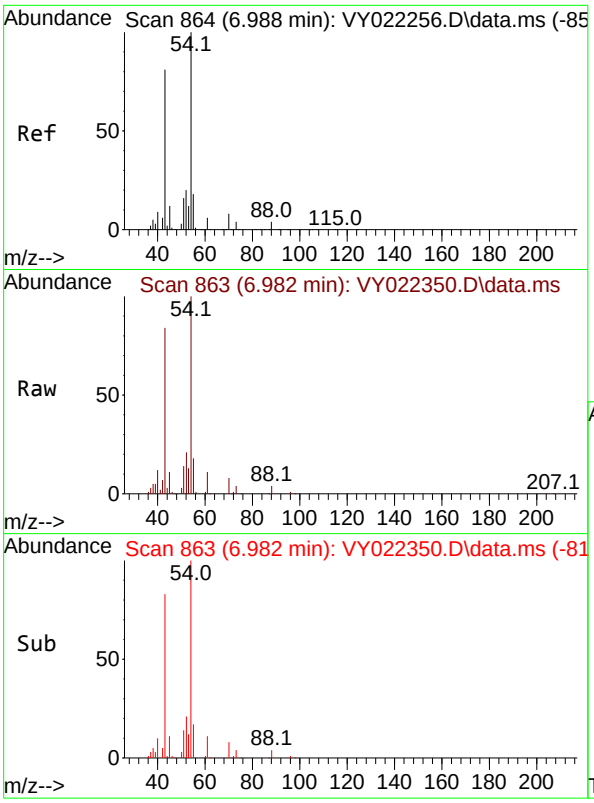


#36
1,1-Dichloropropene
Concen: 40.143 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 75 Resp: 98113

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.6	49.8
77	30.9	24.6	37.0





#37
Ethyl Acetate
Concen: 47.780 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 5618

Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	9.6	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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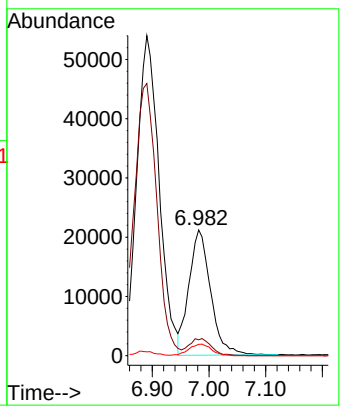
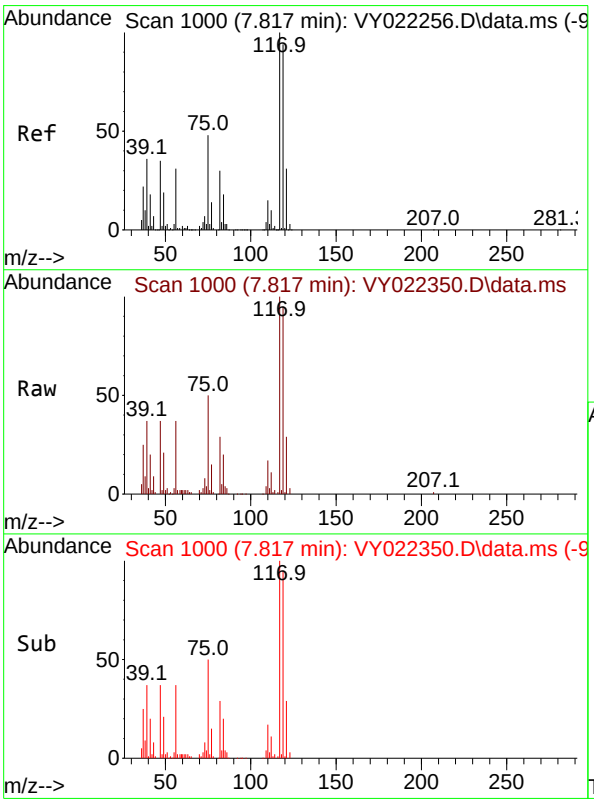
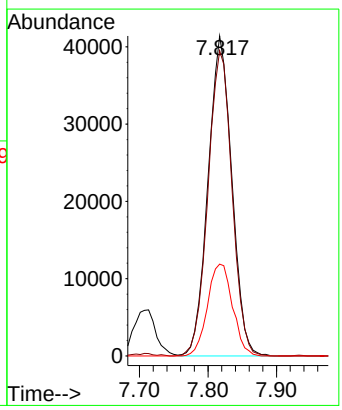


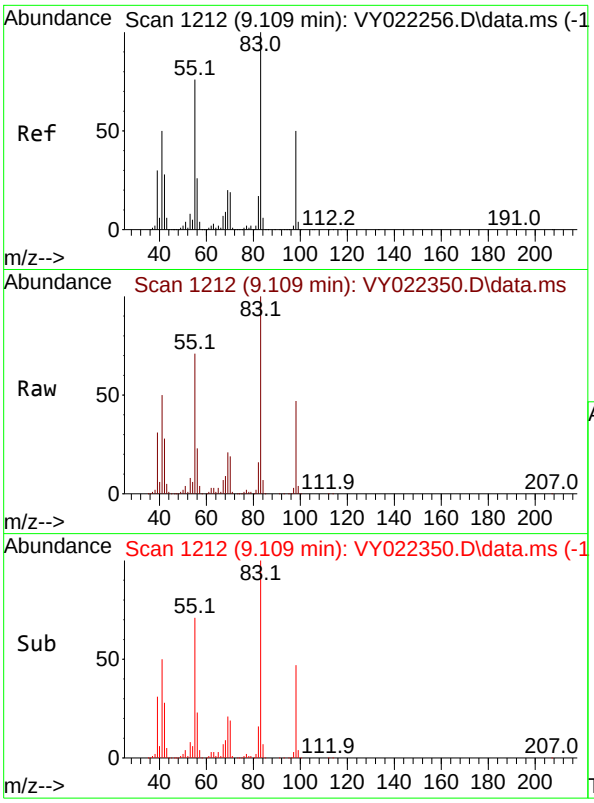


#38
Carbon Tetrachloride
Concen: 39.447 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:117 Resp: 99798

Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.3	112.9
121	28.7	24.7	37.1





#39
Methylcyclohexane
Concen: 42.168 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 83 Resp: 13846

Ion	Ratio	Lower	Upper
83	100		
55	71.0	60.6	90.8
98	46.6	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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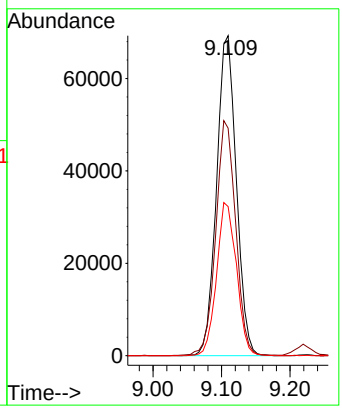
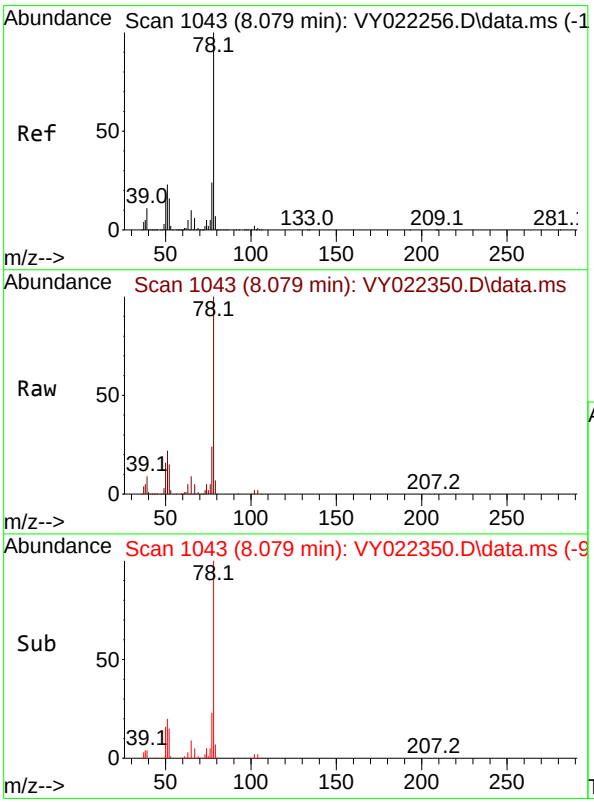
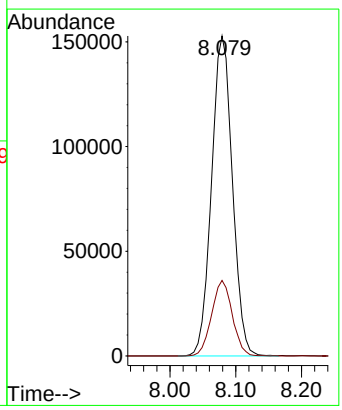


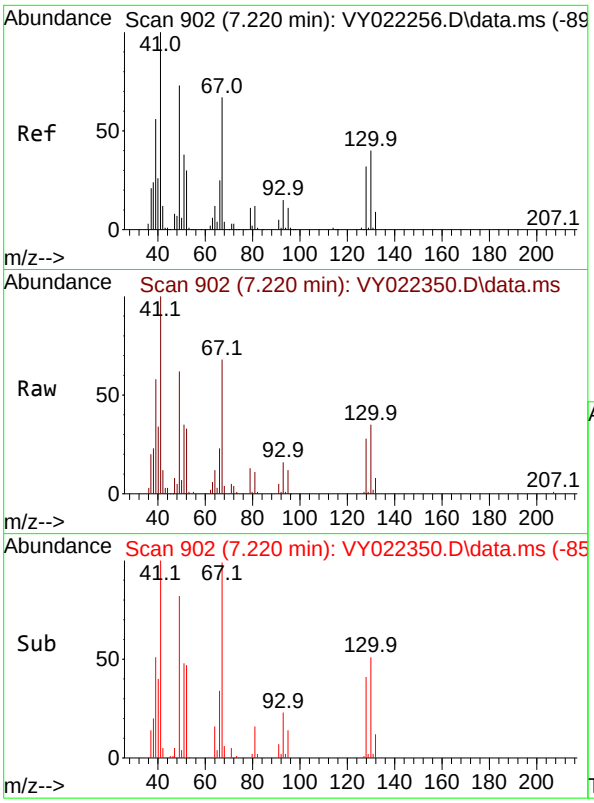


#40
Benzene
Concen: 46.557 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 78 Resp: 337331

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3

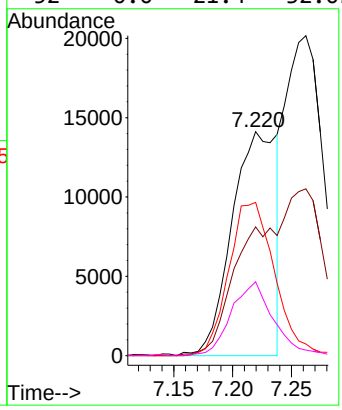




#41
Methacrylonitrile
Concen: 48.065 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 41 Resp: 3749

Ion	Ratio	Lower	Upper
41	100		
39	66.4	39.1	58.7#
67	0.0	47.1	70.7#
52	0.0	21.4	32.0#



Instrument :
MSVOA_Y
ClientSampleId :
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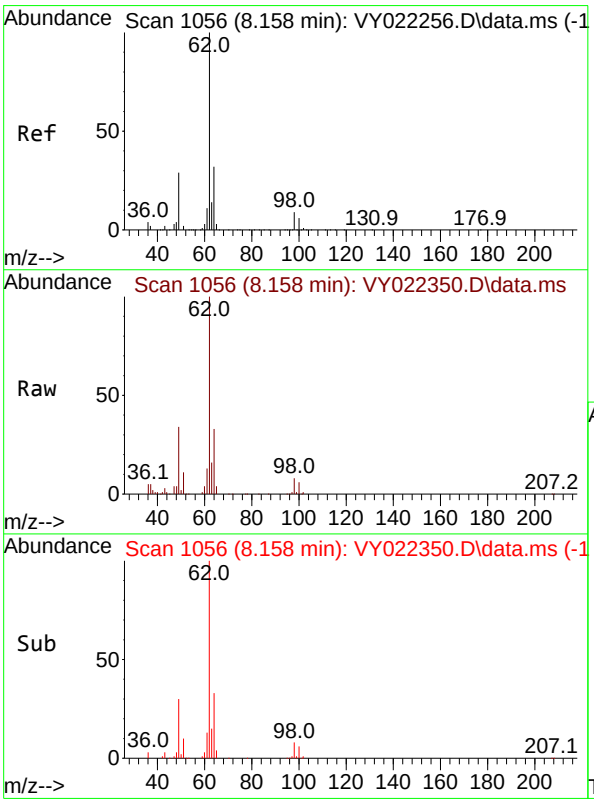
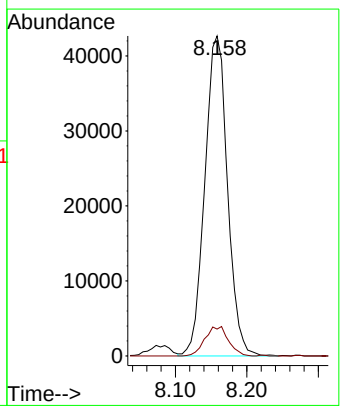
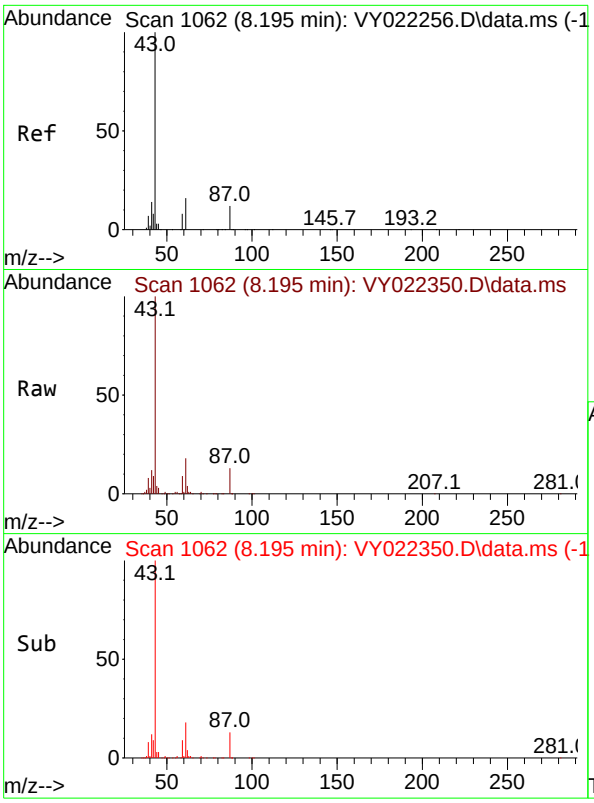


#42
1,2-Dichloroethane
Concen: 47.921 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 62 Resp: 93895

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43
Isopropyl Acetate
Concen: 46.301 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 11874

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	13.5	9.7	14.5

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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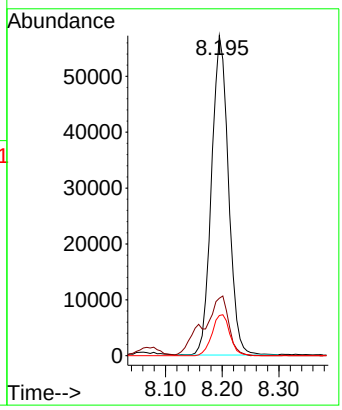
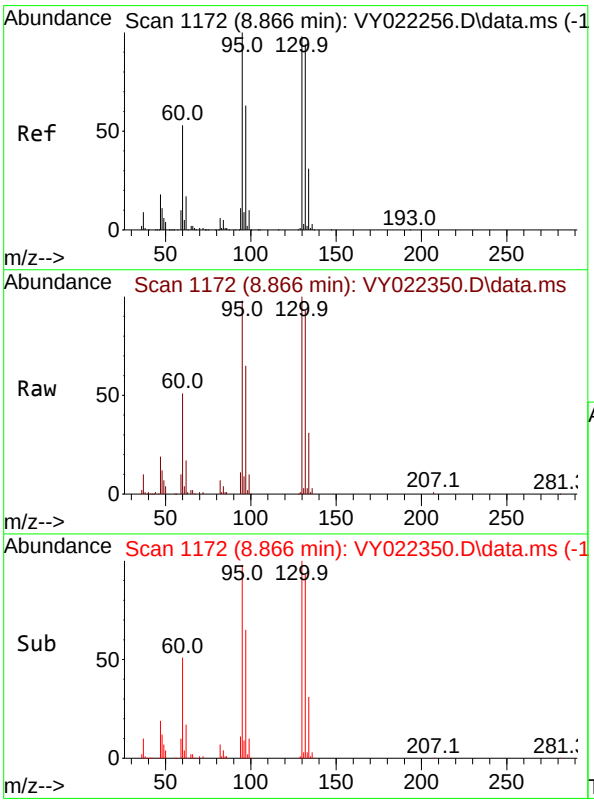
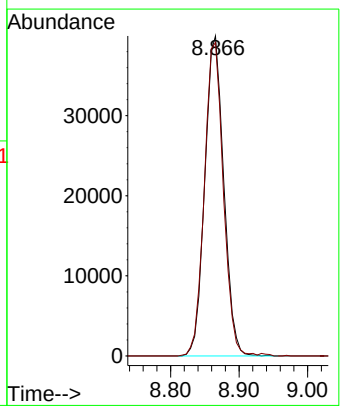


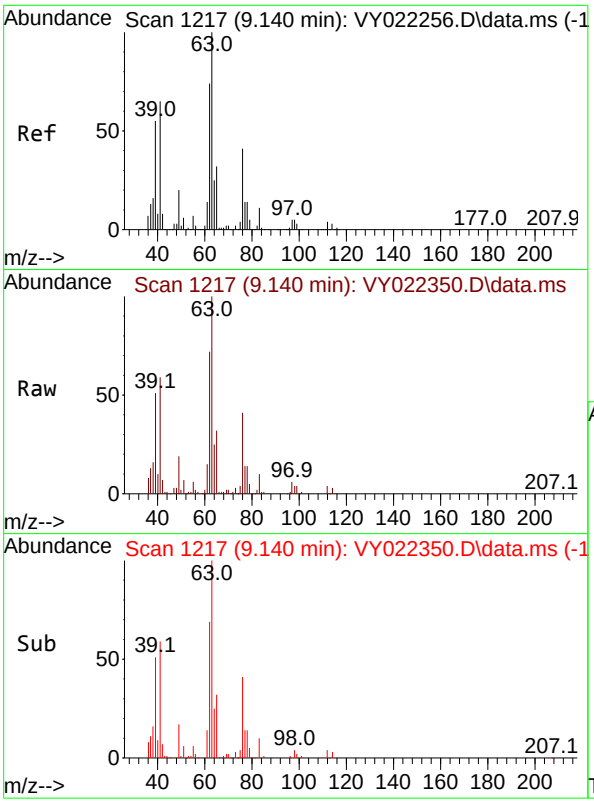


#44
Trichloroethene
Concen: 42.611 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:130 Resp: 76767

Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	204.8





#45
1,2-Dichloropropane
Concen: 44.259 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 63 Resp: 7731

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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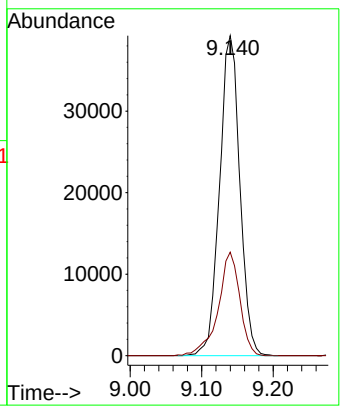
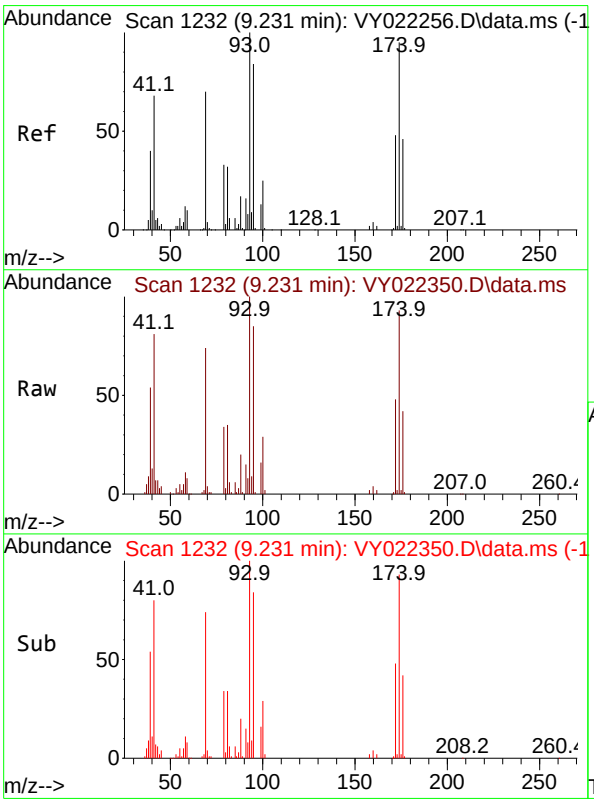
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

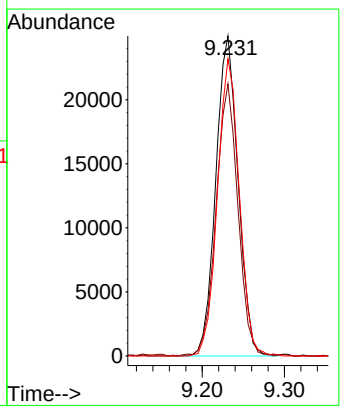


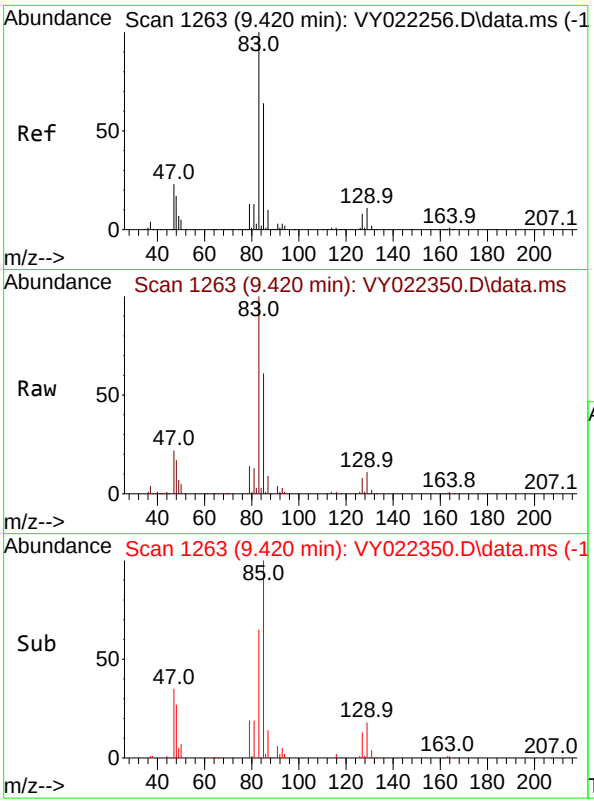


#46
Dibromomethane
Concen: 49.983 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 93 Resp: 47093

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.2	97.8
174	90.9	74.3	111.5

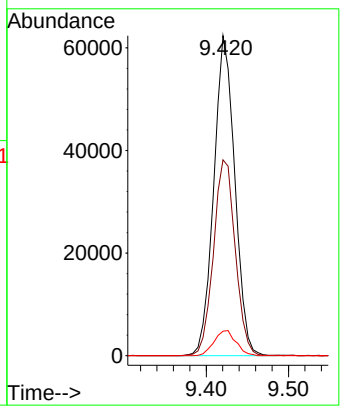




#47
Bromodichloromethane
Concen: 45.333 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 83 Resp: 11080

Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.1	76.7
127	7.6	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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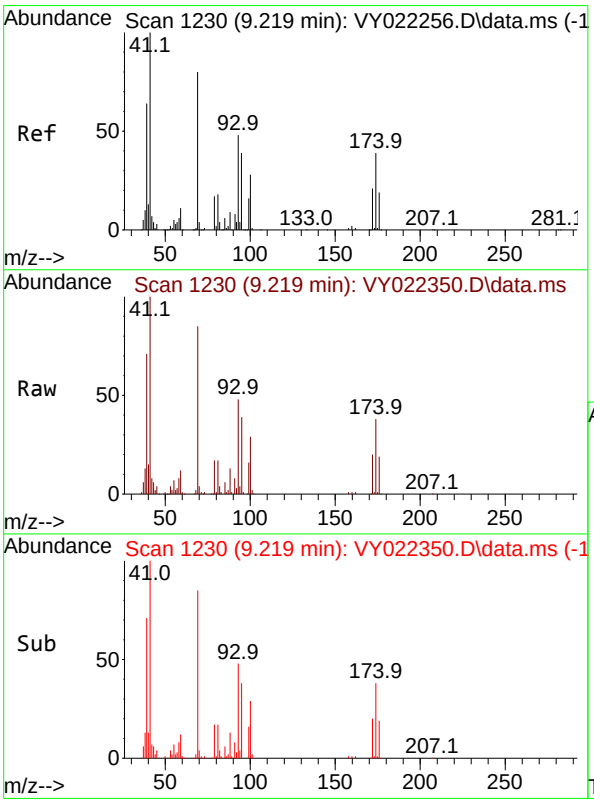
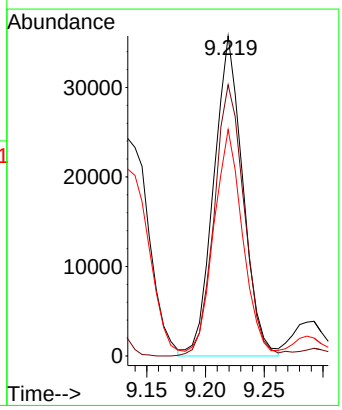
Supervised By :Semsettin Yesilyurt 05/21/2025

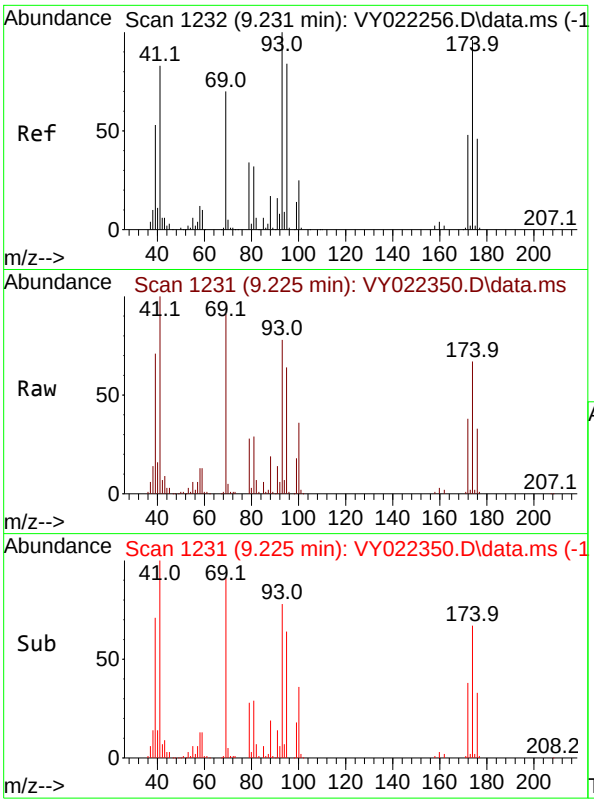


#48
Methyl methacrylate
Concen: 51.439 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 41 Resp: 61695

Ion	Ratio	Lower	Upper
41	100		
69	87.1	63.5	95.3
39	67.5	50.8	76.2





#49
1,4-Dioxane
Concen: 1182.288 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 88 Resp: 1258

Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.5	42.7
58	62.2	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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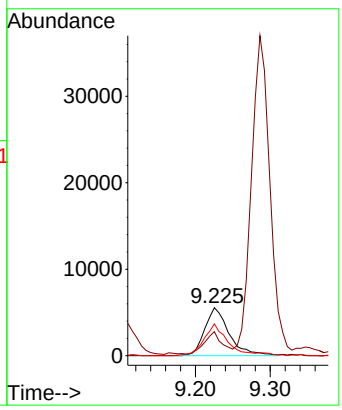
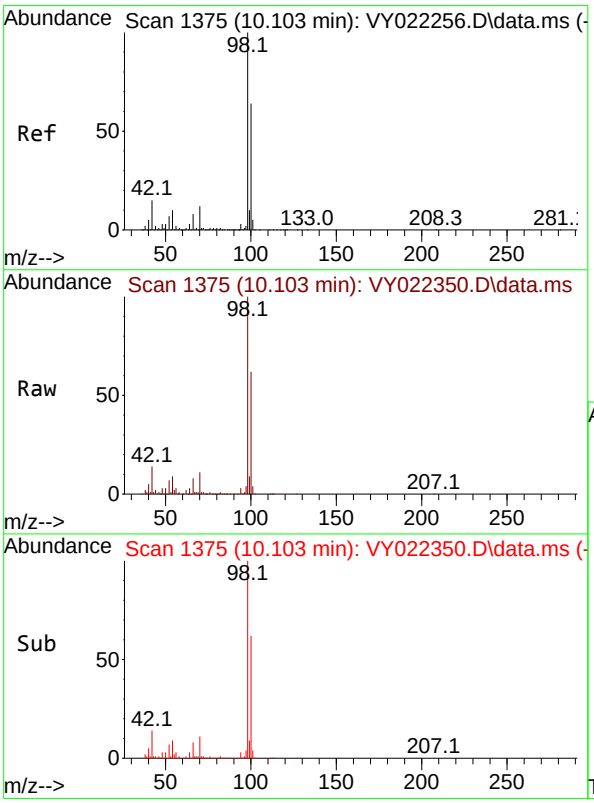
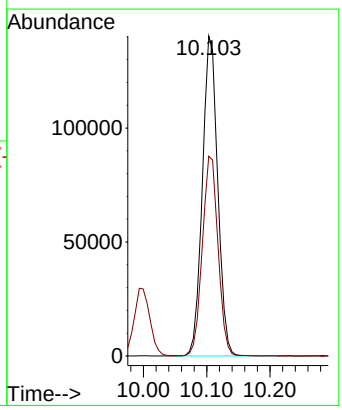


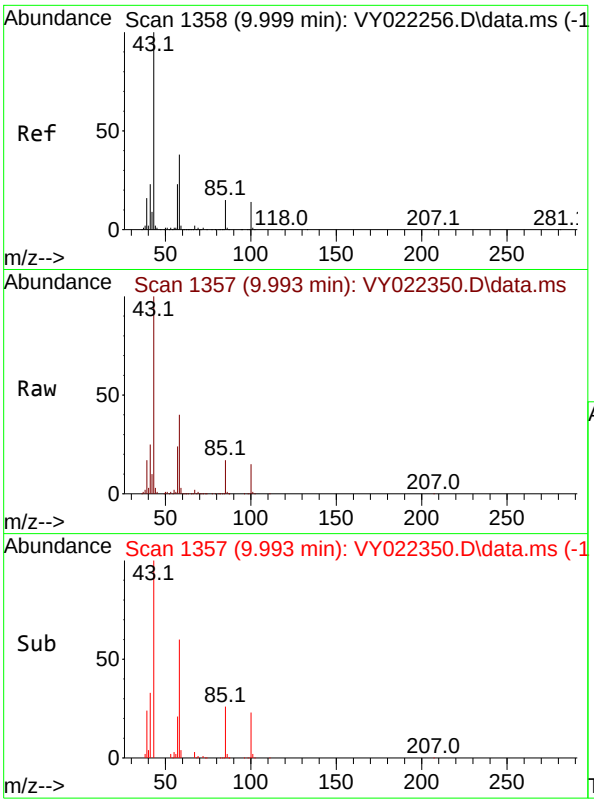


#50
Toluene-d8
Concen: 39.032 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 98 Resp: 237206

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8

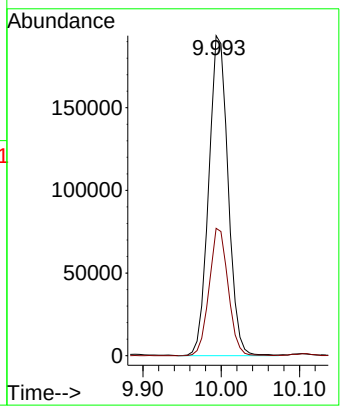




#51
4-Methyl-2-Pentanone
Concen: 263.537 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 33163

Ion	Ratio	Lower	Upper
43	100		
58	39.1	29.4	44.2



Instrument :
MSVOA_Y
ClientSampleId :
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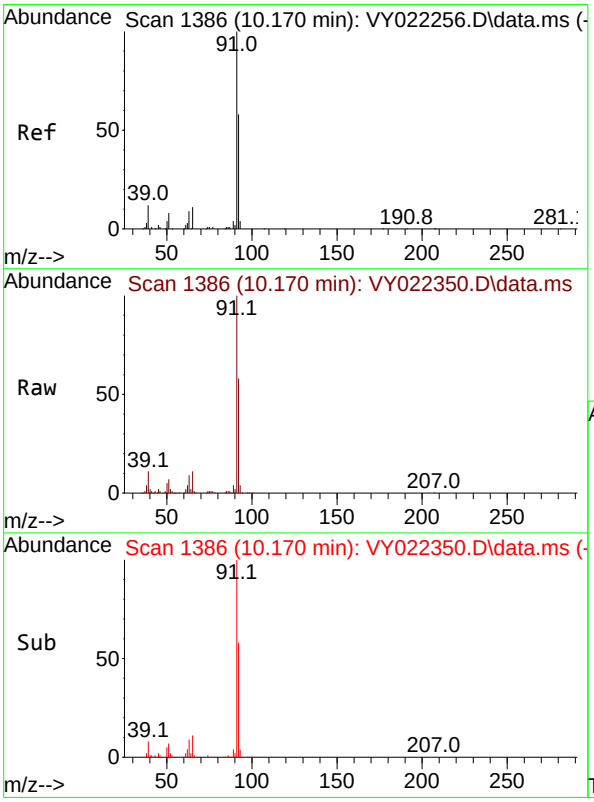
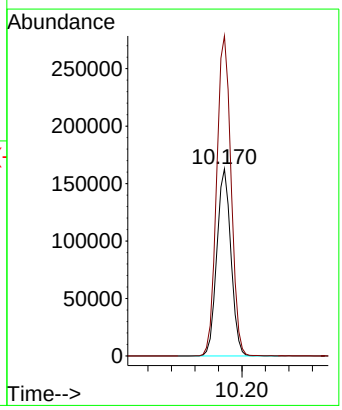
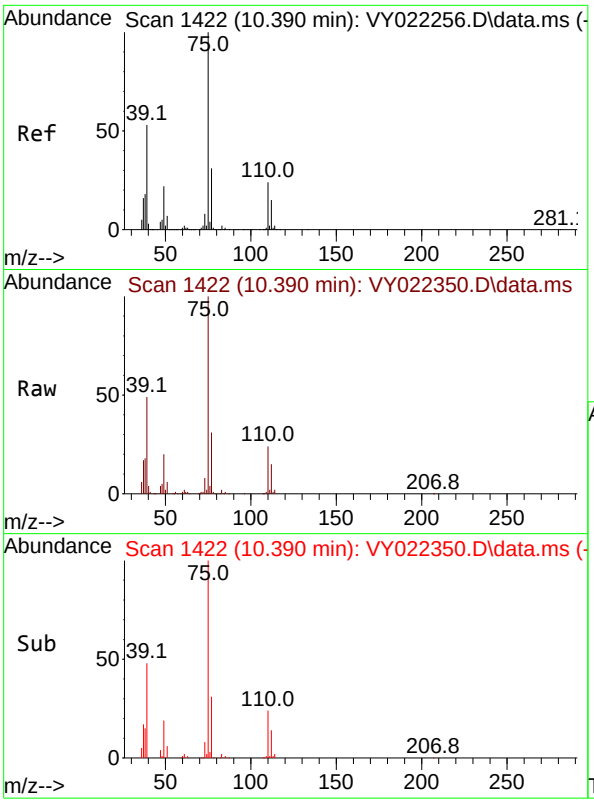


#52
Toluene
Concen: 59.047 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 92 Resp: 270916

Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.1	208.7





#53
t-1,3-Dichloropropene
Concen: 41.978 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 75 Resp: 10013

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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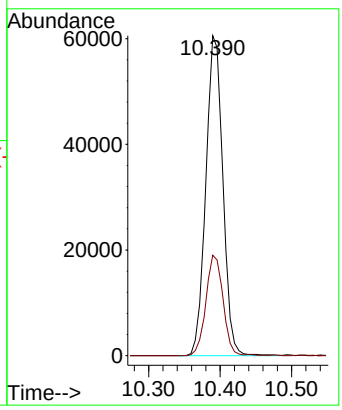
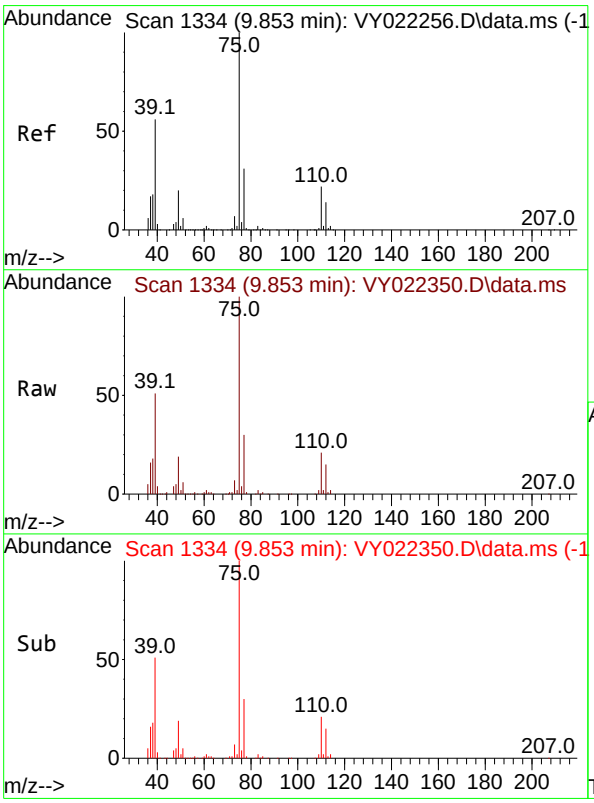
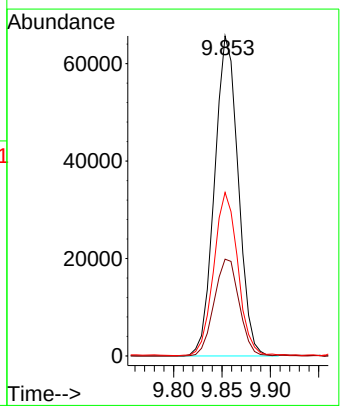


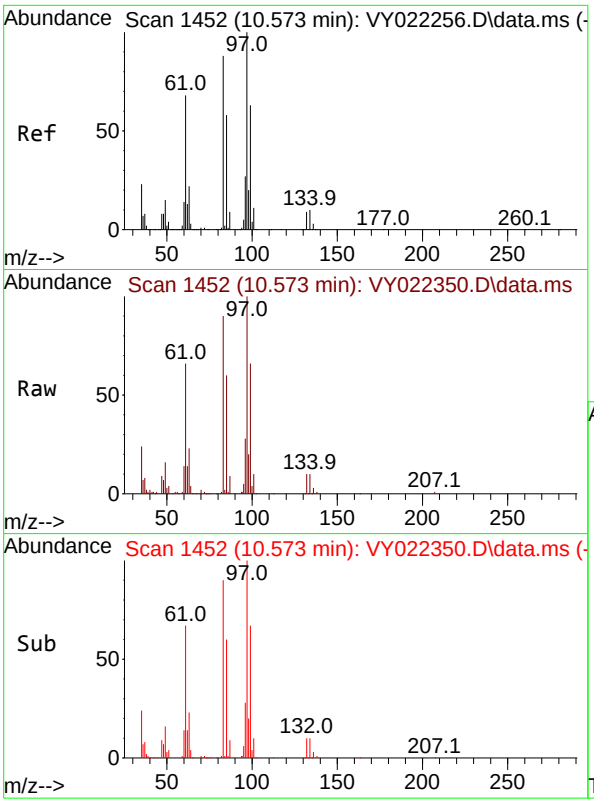


#54
cis-1,3-Dichloropropene
Concen: 40.765 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 75 Resp: 111408

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.1	37.7
39	51.0	44.5	66.7

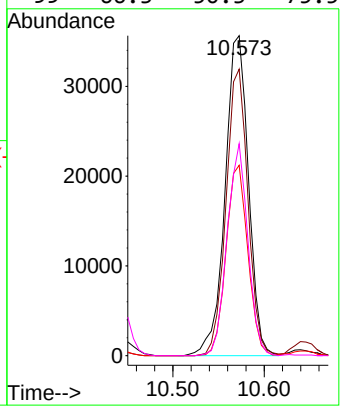




#55
1,1,2-Trichloroethane
Concen: 52.591 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 97 Resp: 6345

Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.3	105.5
85	59.5	46.2	69.4
99	66.3	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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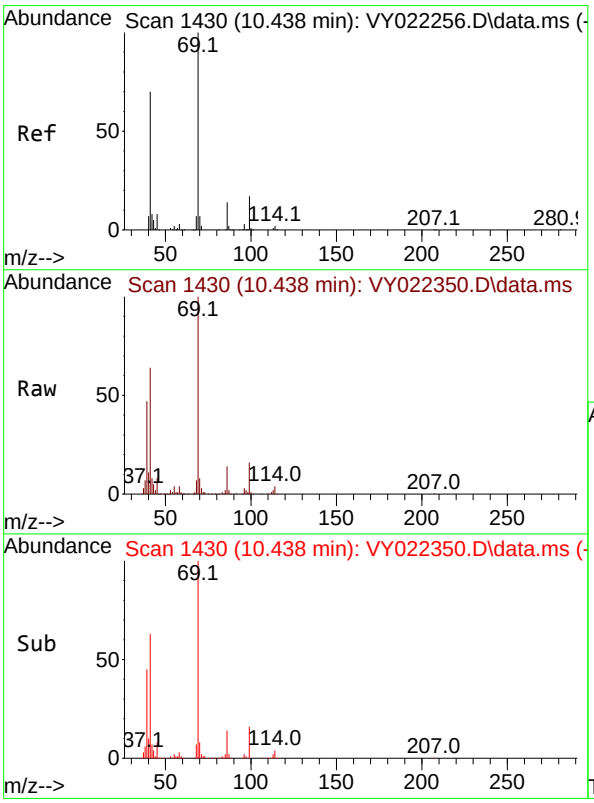
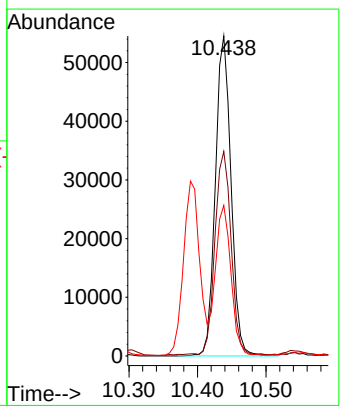
Supervised By :Semsettin Yesilyurt 05/21/2025

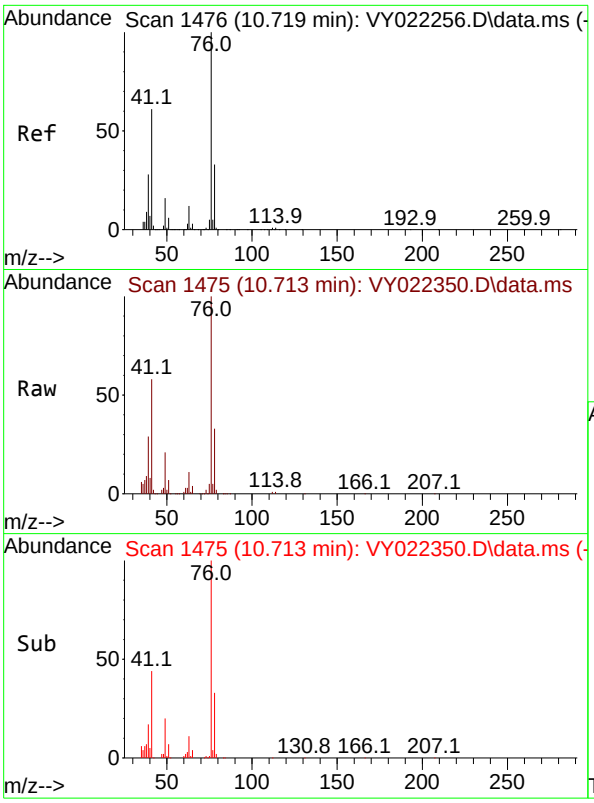


#56
Ethyl methacrylate
Concen: 46.116 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 69 Resp: 86668

Ion	Ratio	Lower	Upper
69	100		
41	66.5	56.5	84.7
39	46.7	37.1	55.7





#57
1,3-Dichloropropane
Concen: 49.466 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 76 Resp: 10603

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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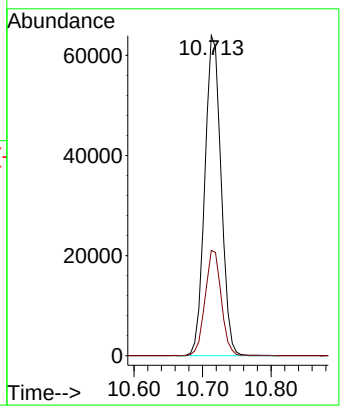
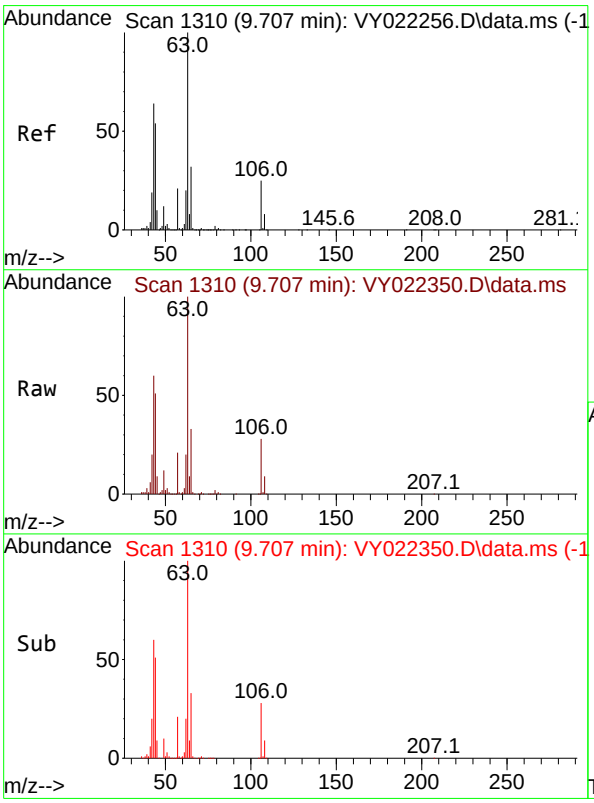
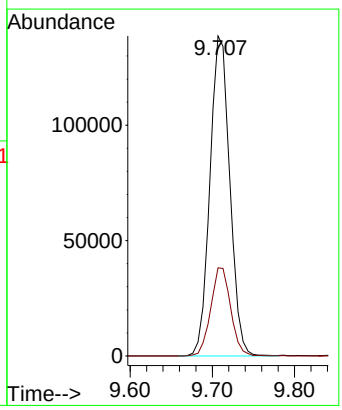


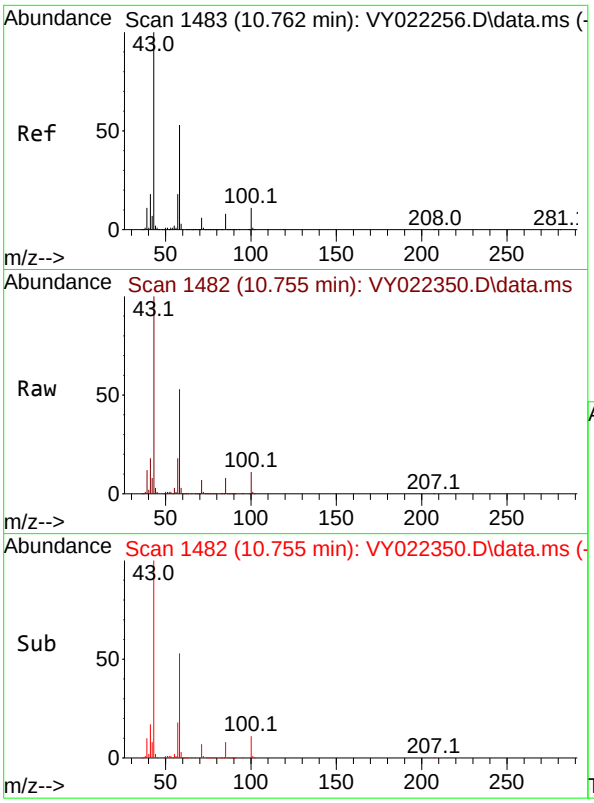


#58
2-Chloroethyl Vinyl ether
Concen: 276.682 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 63 Resp: 233392

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.0	31.4





#59
2-Hexanone
Concen: 272.212 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 22967

Ion	Ratio	Lower	Upper
43	100		
58	53.9	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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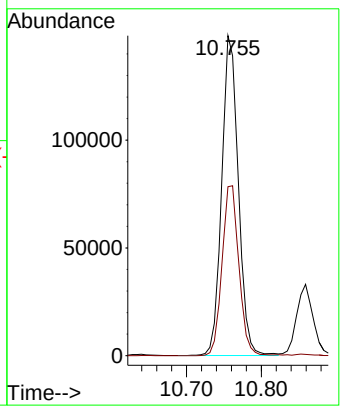
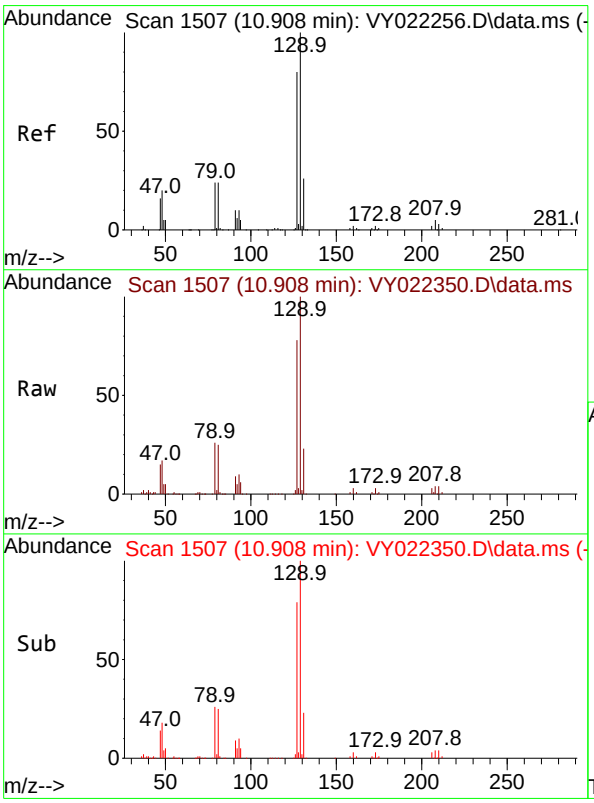
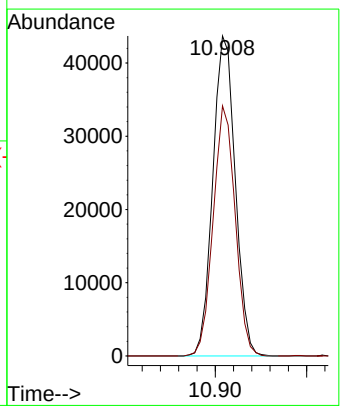


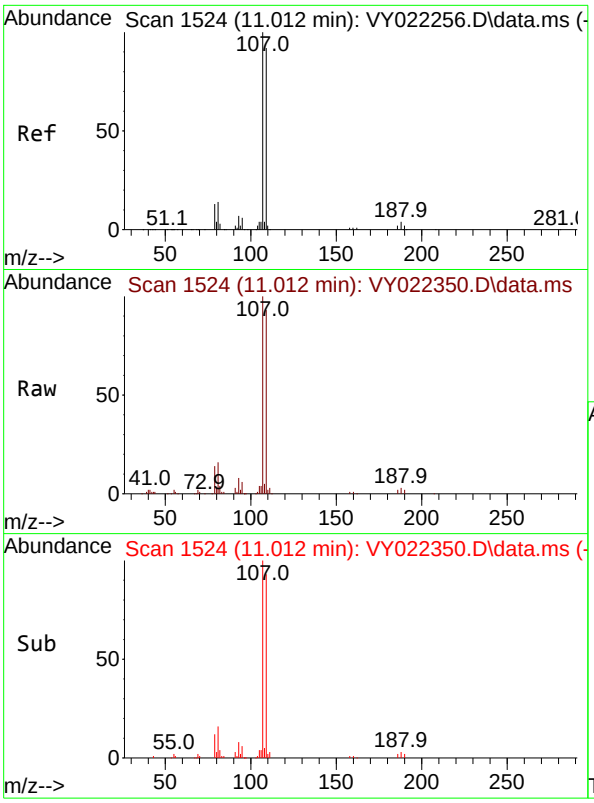


#60
Dibromochloromethane
Concen: 47.686 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:129 Resp: 74674

Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.6	115.7





#61
1,2-Dibromoethane
Concen: 51.569 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:107 Resp: 5798

Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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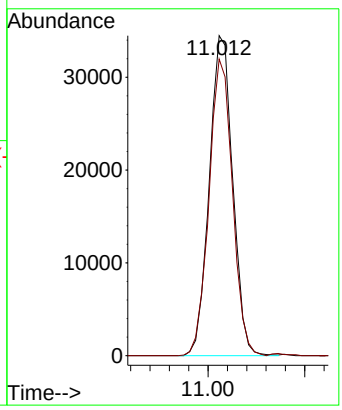
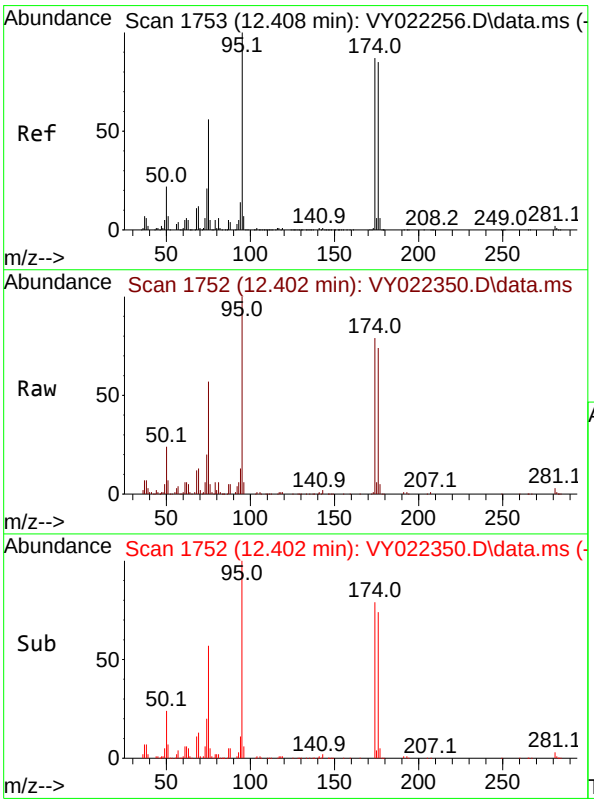
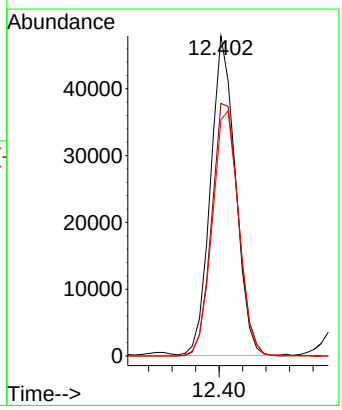


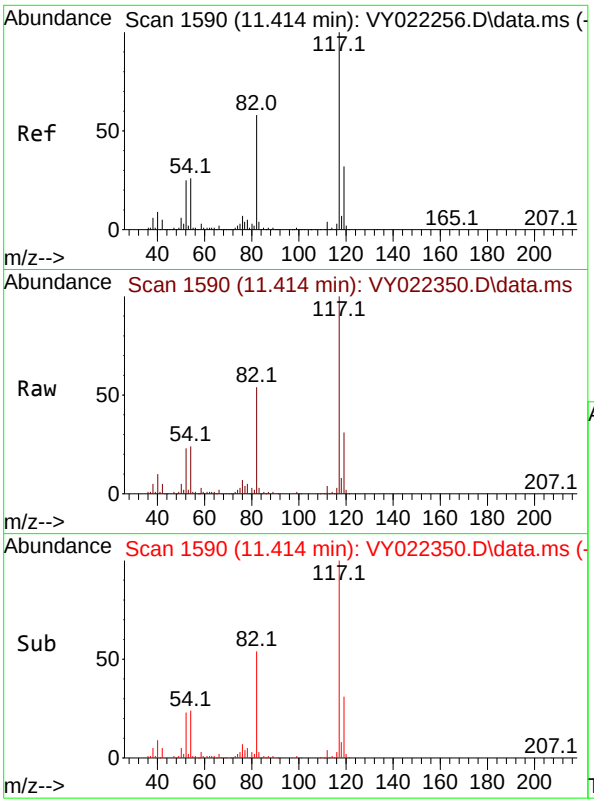


#62
4-Bromofluorobenzene
Concen: 36.488 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 95 Resp: 70287

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	166.8
176	81.8	0.0	160.8

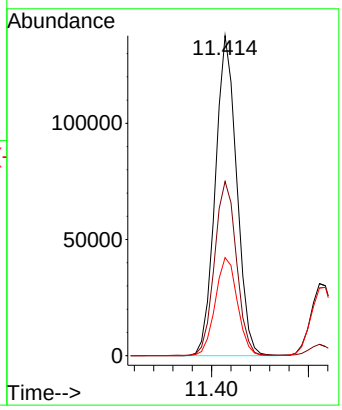




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:117 Resp: 21093

Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.6	70.0
119	30.7	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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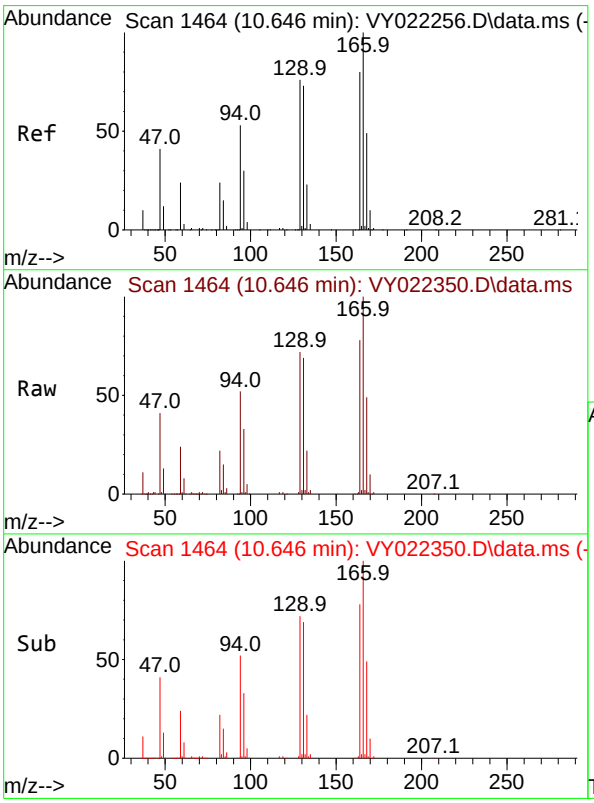
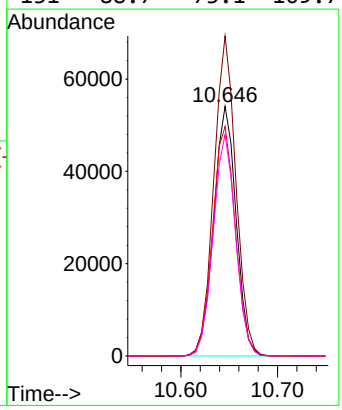
Supervised By :Semsettin Yesilyurt 05/21/2025

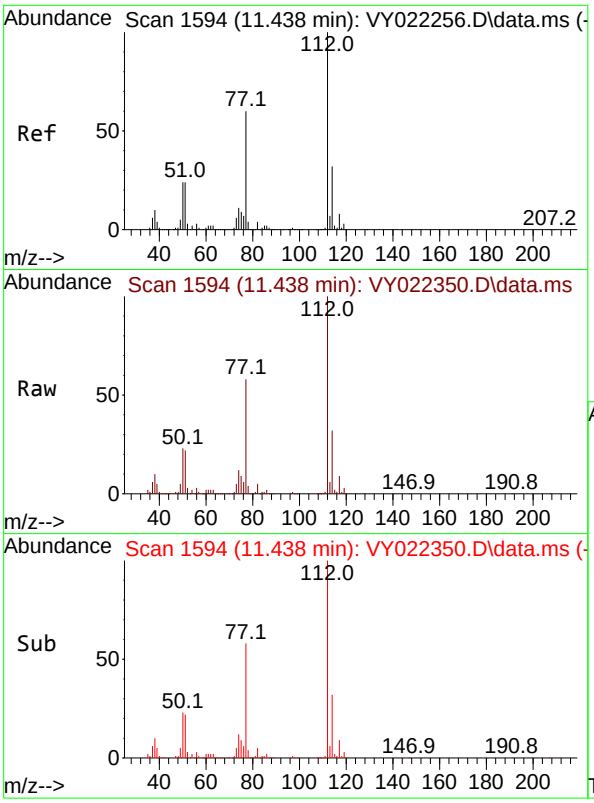


#64
Tetrachloroethene
Concen: 44.540 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:164 Resp: 86840

Ion	Ratio	Lower	Upper
164	100		
166	128.2	100.4	150.6
129	92.0	76.4	114.6
131	88.7	73.1	109.7





#65
Chlorobenzene
Concen: 42.467 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:112 Resp: 20210

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

Instrument :
MSVOA_Y
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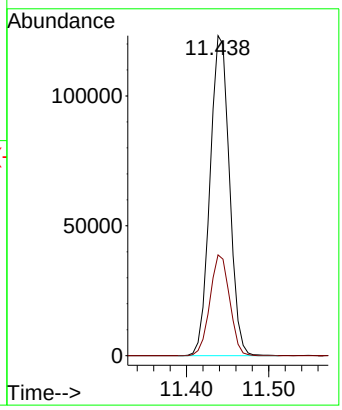
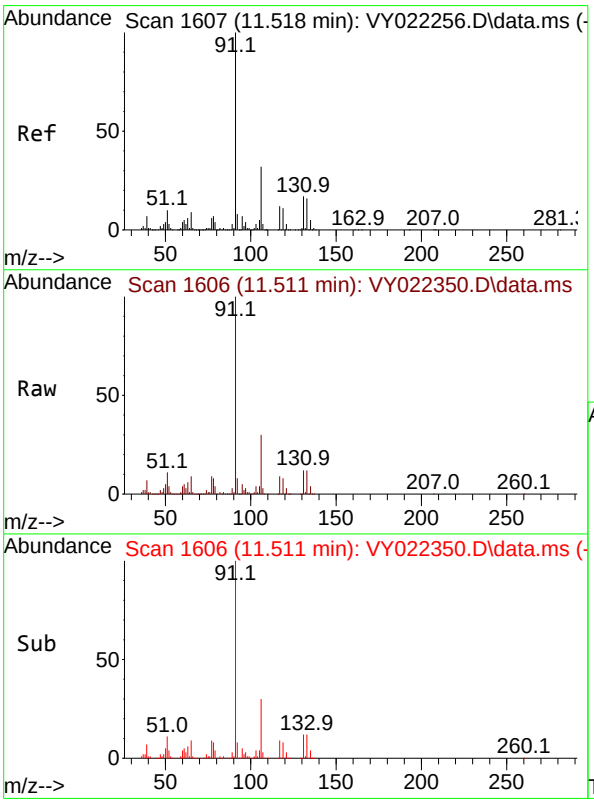
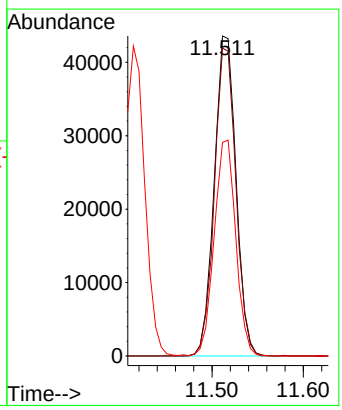


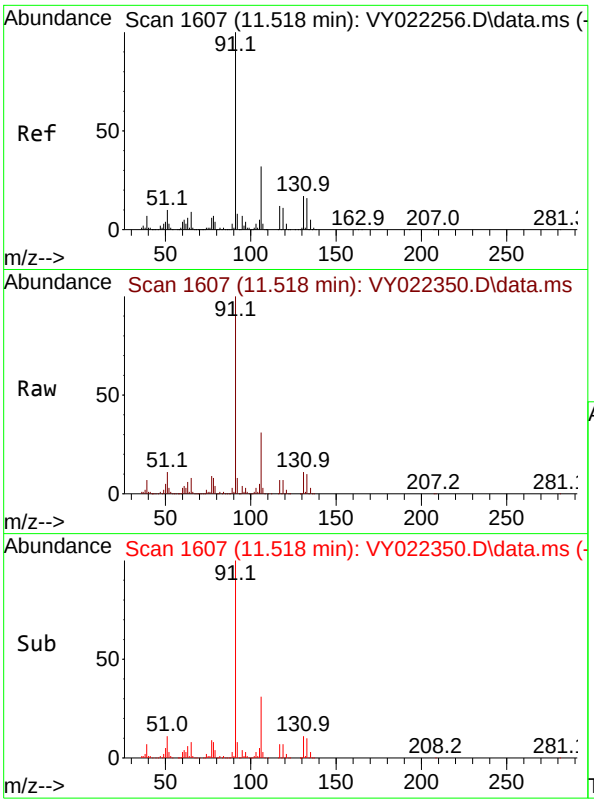


#66
1,1,1,2-Tetrachloroethane
Concen: 44.010 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:131 Resp: 72002

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	141.9
119	67.1	33.1	99.2

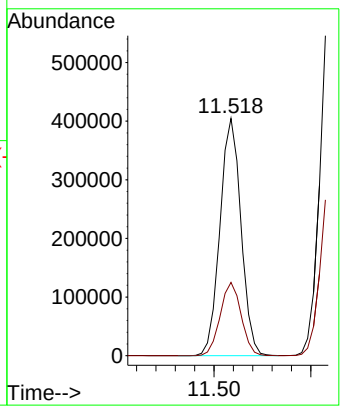




#67
Ethyl Benzene
Concen: 68.483 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 91 Resp: 61036

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
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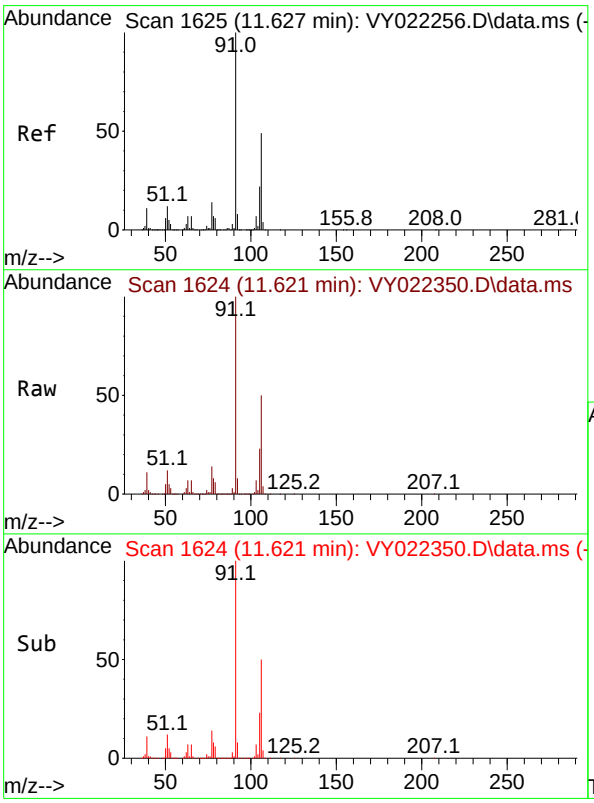
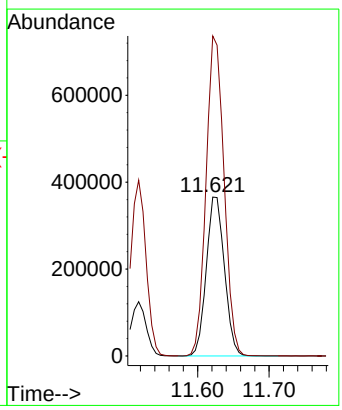
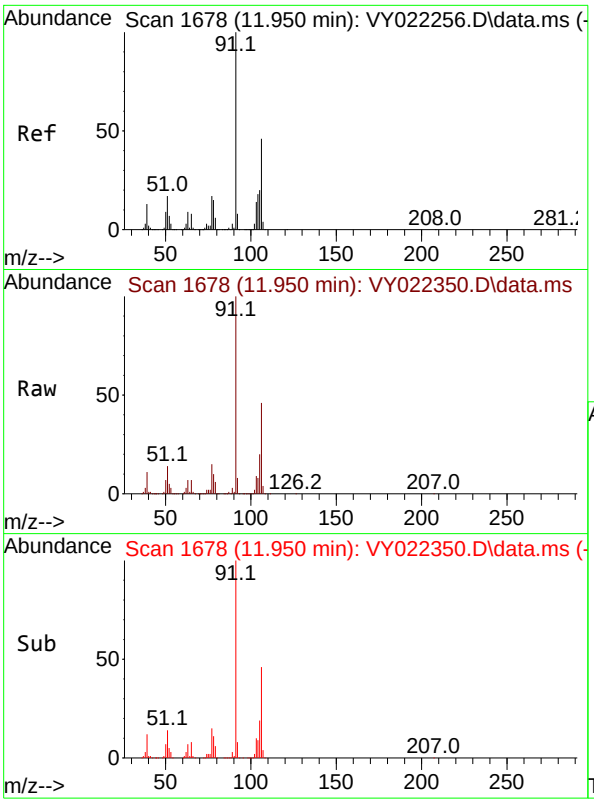


#68
m/p-Xylenes
Concen: 191.856 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:106 Resp: 644327

Ion	Ratio	Lower	Upper
106	100		
91	199.6	163.0	244.4





#69
o-Xylene
Concen: 105.852 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:106 Resp: 33633

Ion	Ratio	Lower	Upper
106	100		
91	212.5	108.3	324.8

Instrument :
MSVOA_Y
ClientSampleId :
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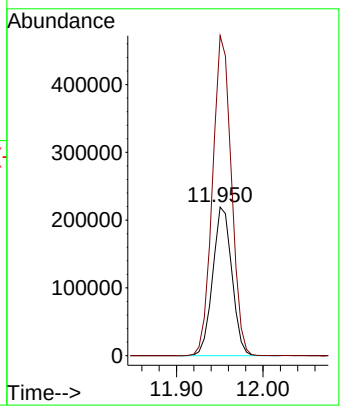
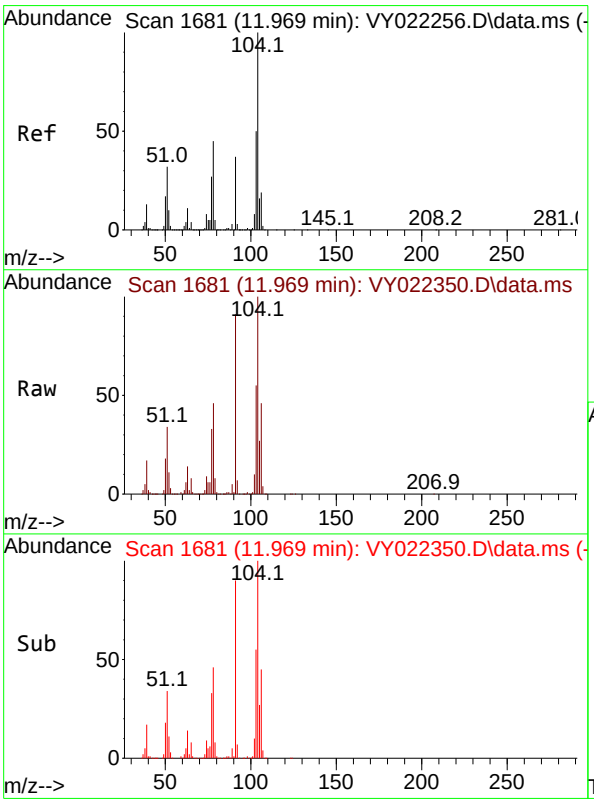
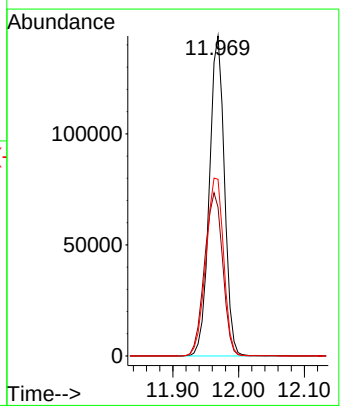


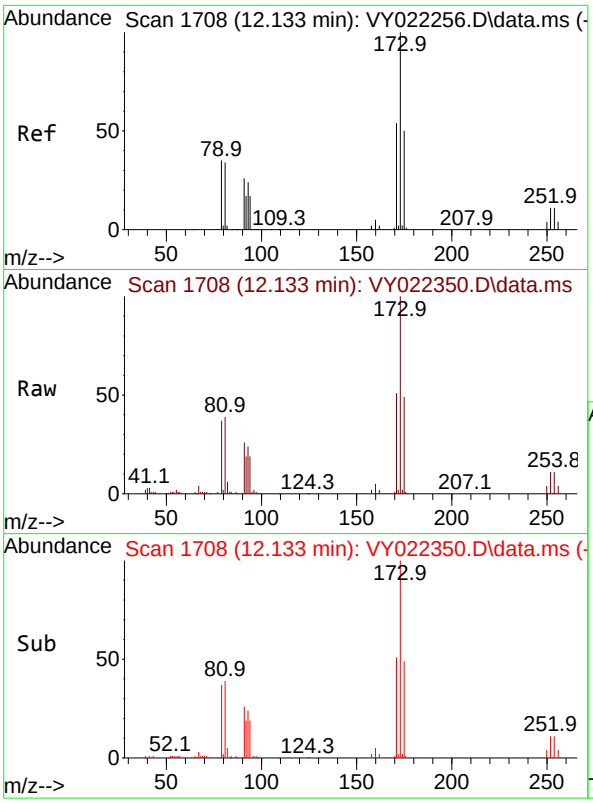


#70
Styrene
Concen: 42.862 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:104 Resp: 229737

Ion	Ratio	Lower	Upper
104	100		
78	61.2	40.9	61.3
103	65.3	43.7	65.5

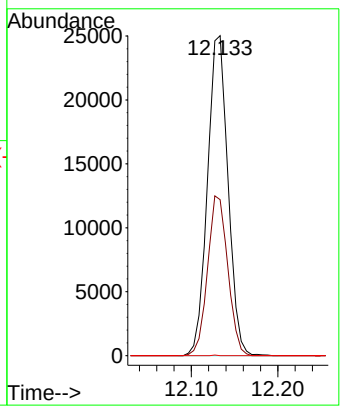




#71
Bromoform
Concen: 46.614 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:173 Resp: 4116

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
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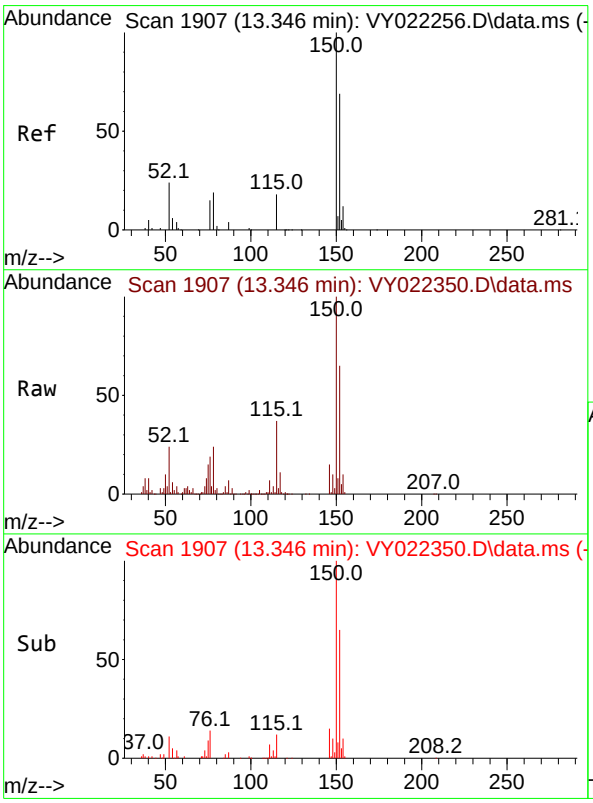
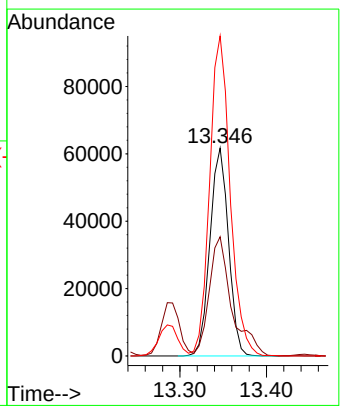
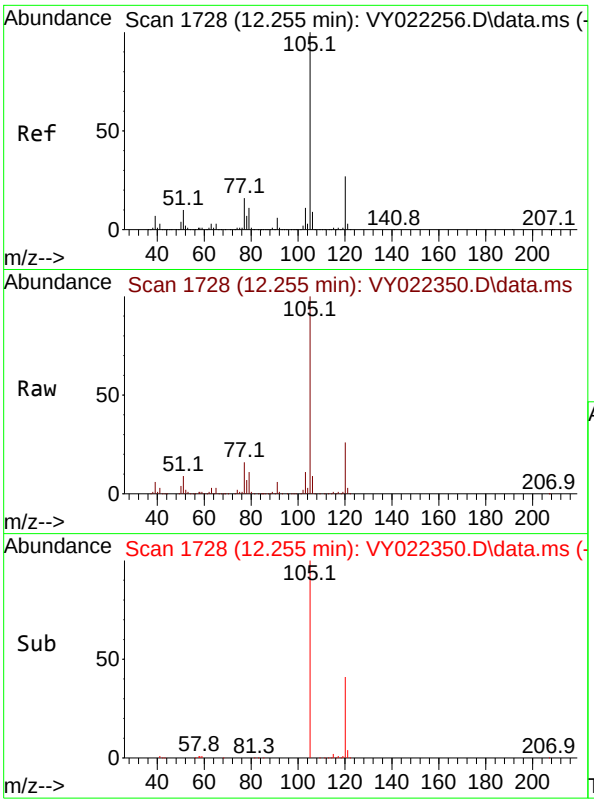


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:152 Resp: 91777

Ion	Ratio	Lower	Upper
152	100		
115	69.6	29.4	88.2
150	170.1	0.0	353.8

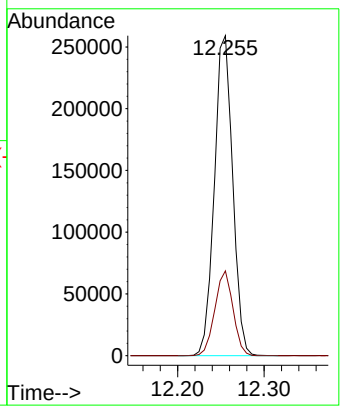




#73
Isopropylbenzene
Concen: 50.067 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:105 Resp: 38067

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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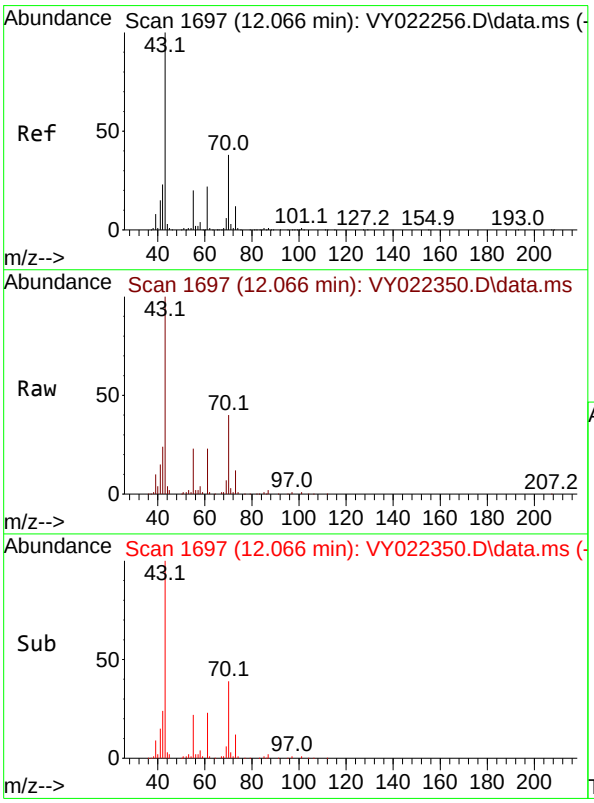
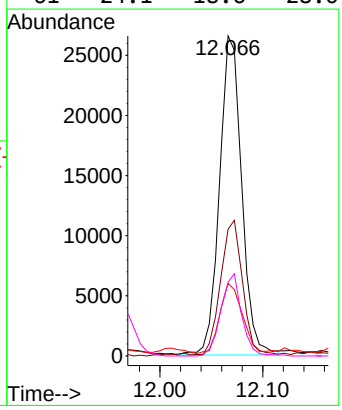
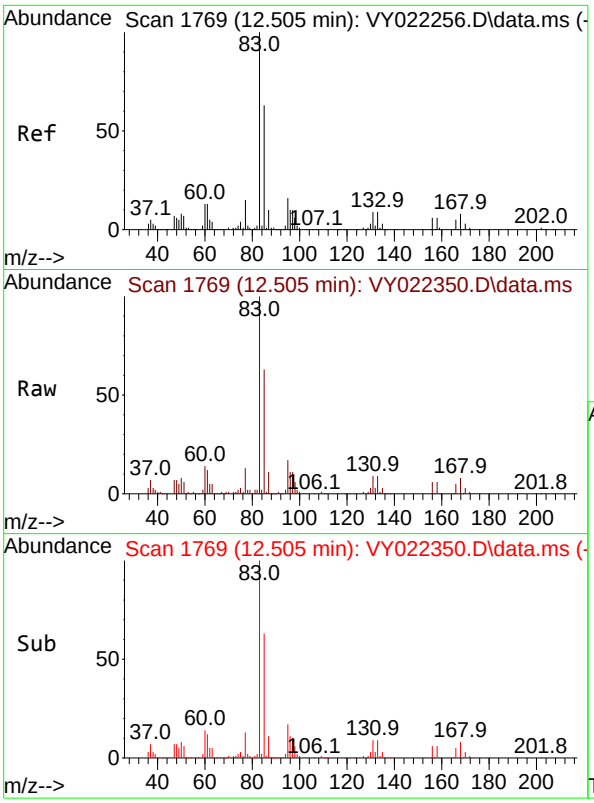


#74
N-amyl acetate
Concen: 18.293 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 43 Resp: 39779

Ion	Ratio	Lower	Upper
43	100		
70	41.9	31.4	47.0
55	22.3	17.0	25.6
61	24.1	18.6	28.0

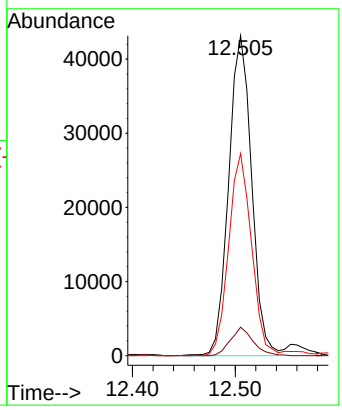




#75
1,1,2,2-Tetrachloroethane
Concen: 57.399 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 83 Resp: 6711

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.9	14.7
85	63.3	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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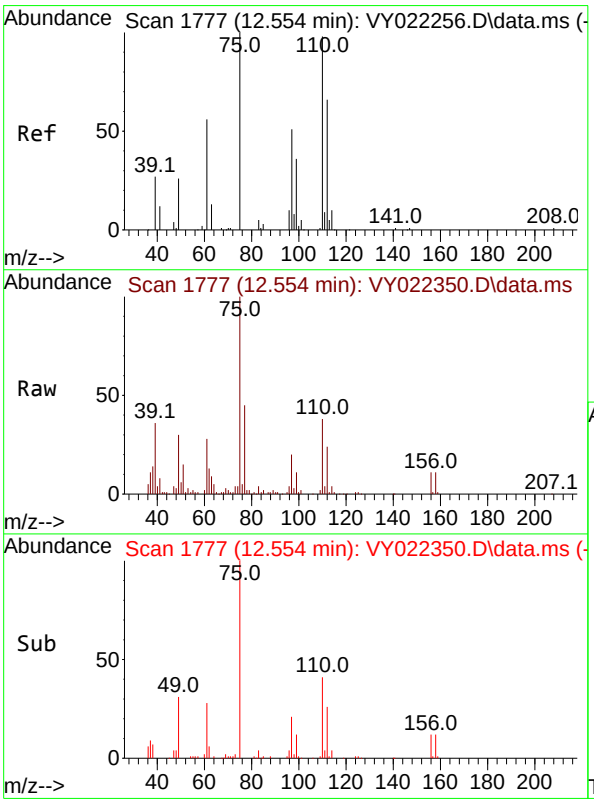
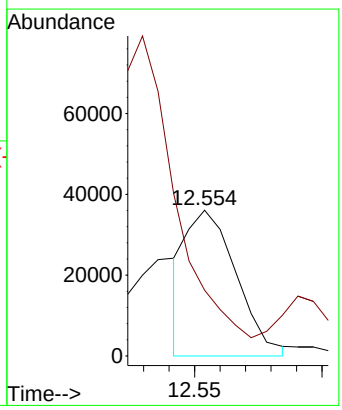
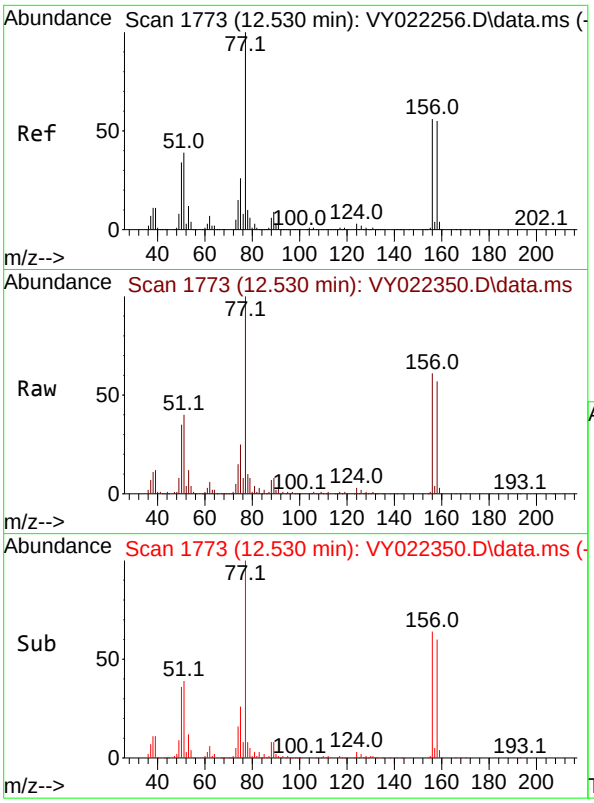


#76
1,2,3-Trichloropropane
Concen: 53.471 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 75 Resp: 49717

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

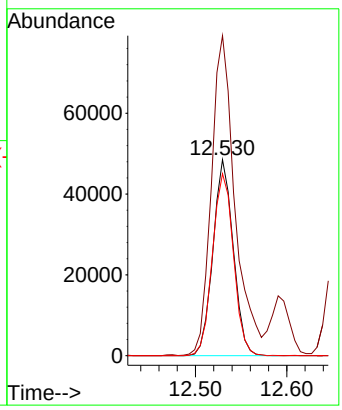




#77
Bromobenzene
Concen: 46.031 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:156 Resp: 7475

Ion	Ratio	Lower	Upper
156	100		
77	189.2	94.5	283.6
158	96.4	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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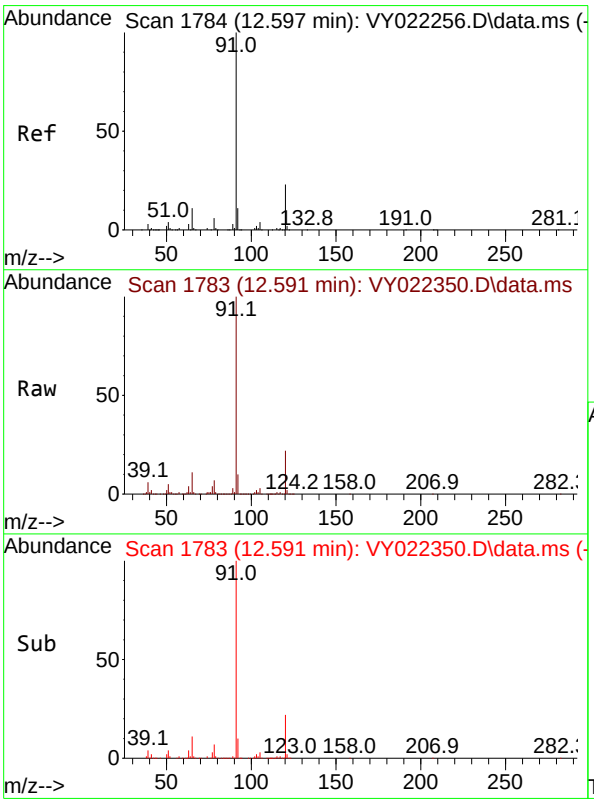
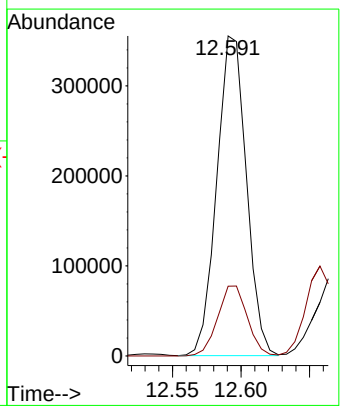
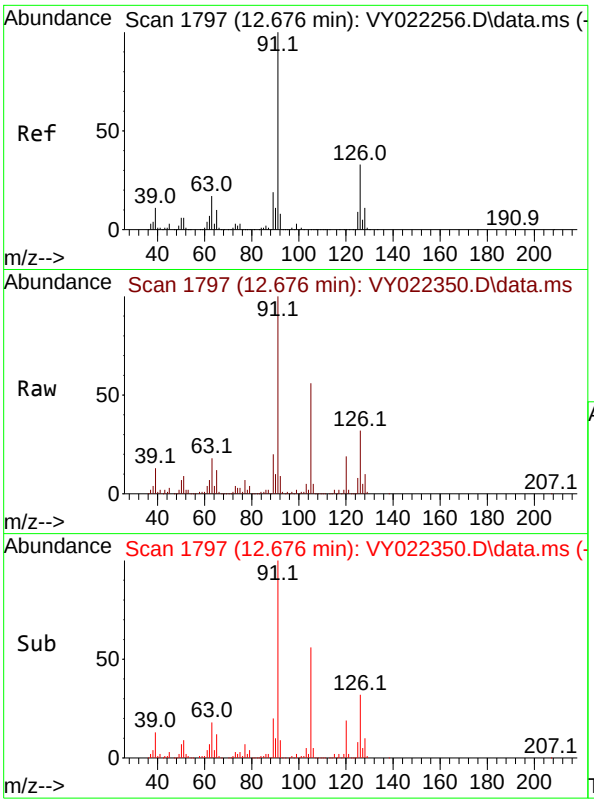


#78
n-propylbenzene
Concen: 58.120 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 91 Resp: 533019

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79
2-Chlorotoluene
Concen: 59.976 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 91 Resp: 30226

Ion	Ratio	Lower	Upper
91	100		
126	25.6	16.8	50.4

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

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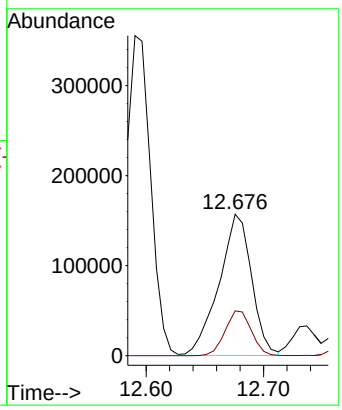
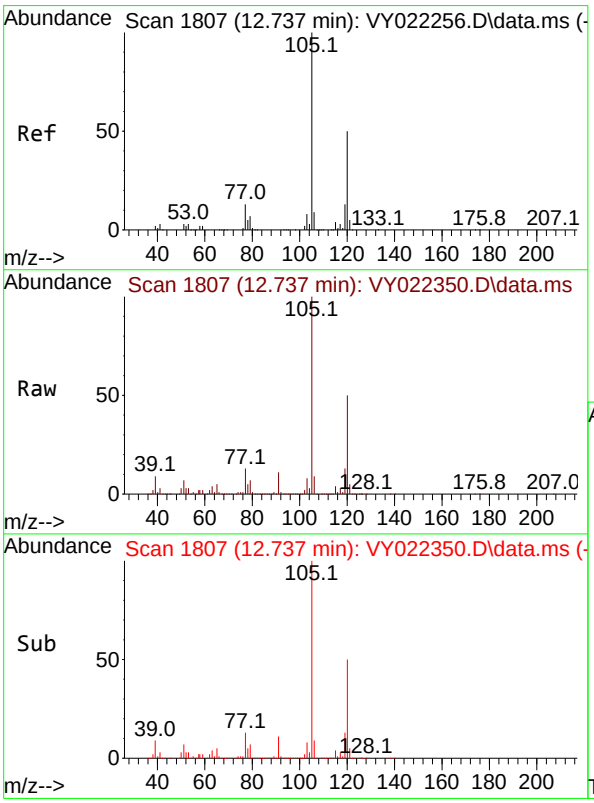
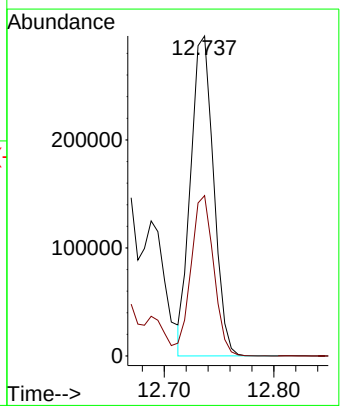


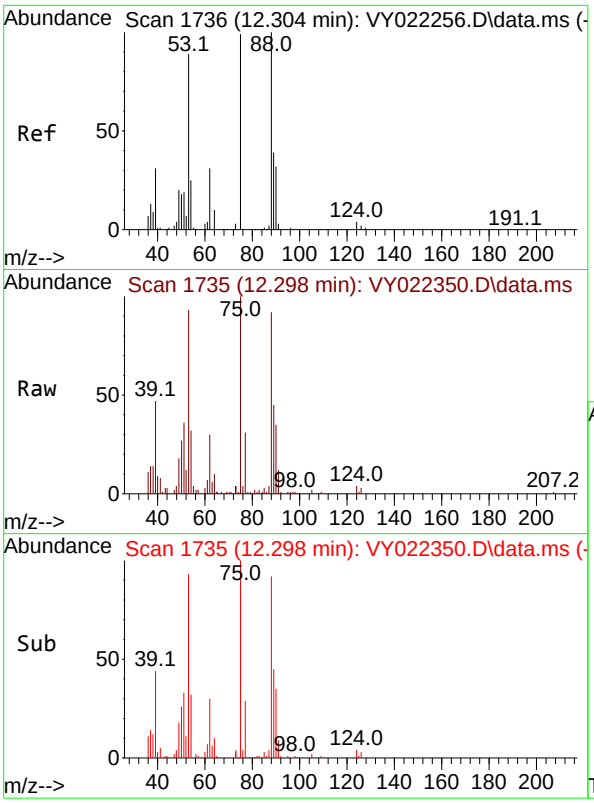


#80
1,3,5-Trimethylbenzene
Concen: 69.992 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:105 Resp: 429588

Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 37.548 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 75 Resp: 1723

Ion	Ratio	Lower	Upper
75	100		
53	97.4	75.8	113.8
89	43.1	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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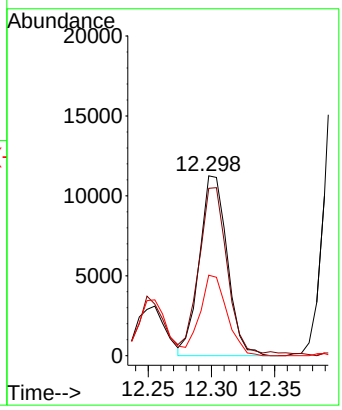
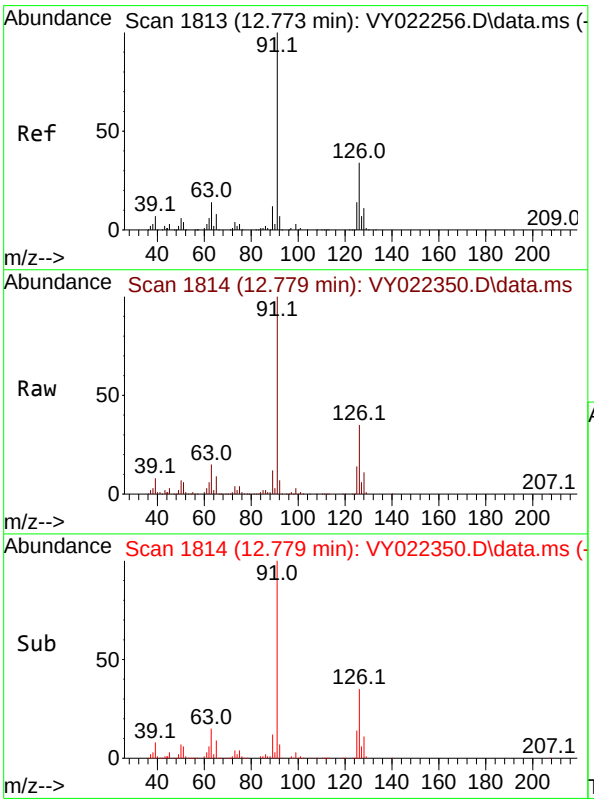
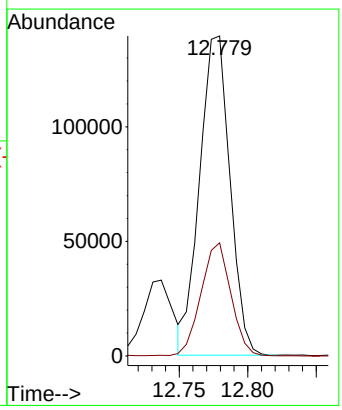


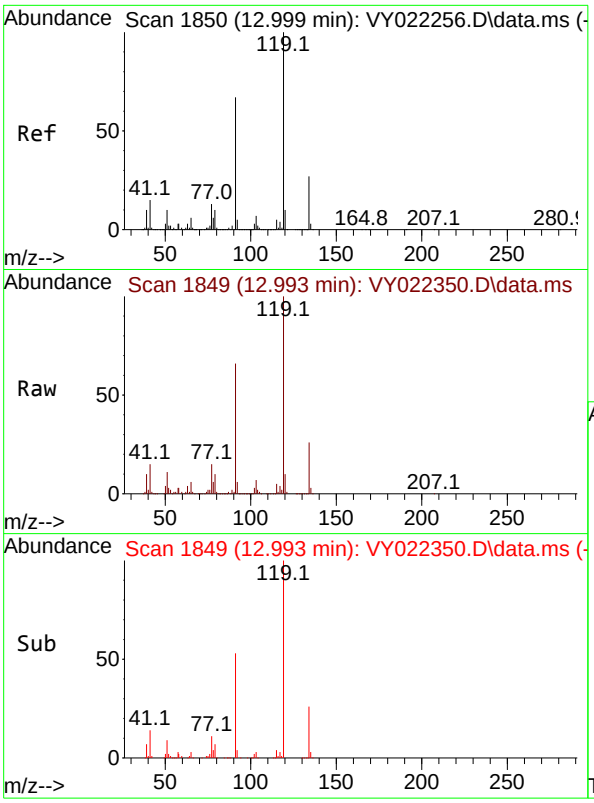


#82
4-Chlorotoluene
Concen: 41.421 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 91 Resp: 214721

Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.8	50.4

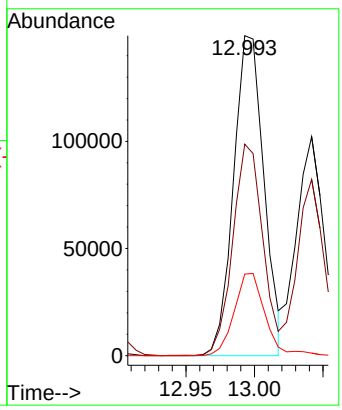




#83
tert-Butylbenzene
Concen: 42.273 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:119 Resp: 23060

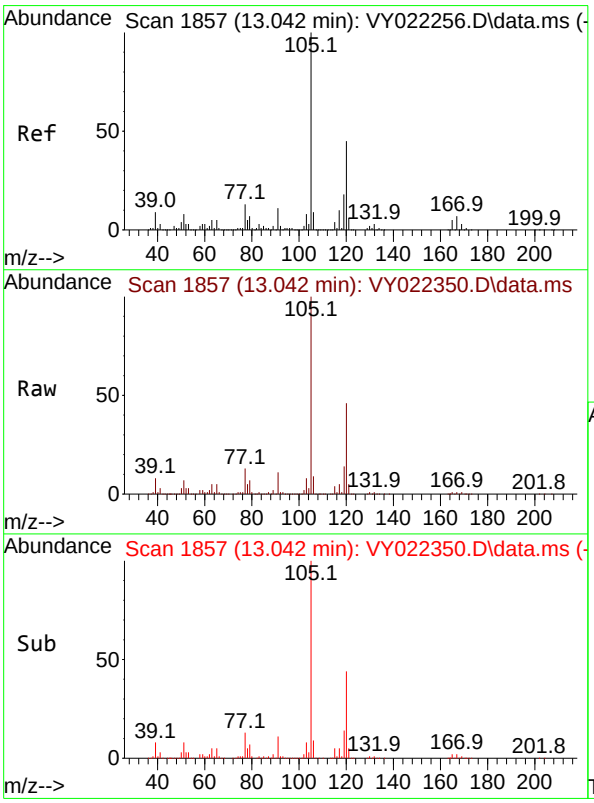
Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.8	98.3
134	26.2	12.9	38.6



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
APPROVED

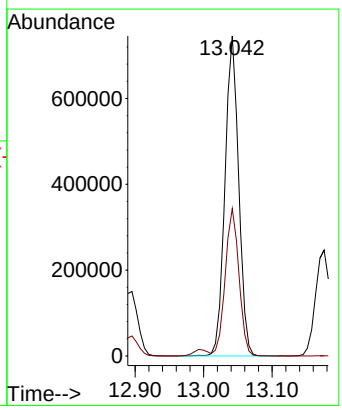
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

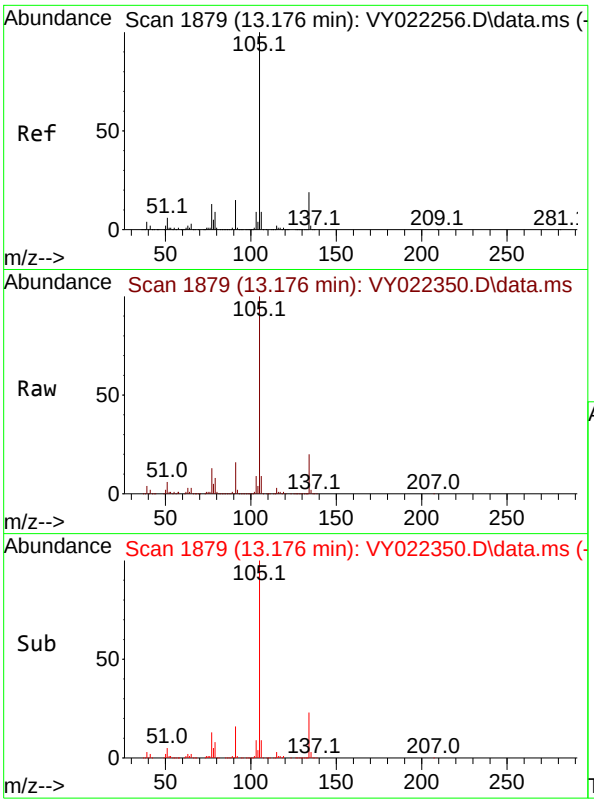


#84
1,2,4-Trimethylbenzene
Concen: 169.301 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:105 Resp: 1031502

Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.9





#85
sec-Butylbenzene
Concen: 45.512 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:105 Resp: 36855

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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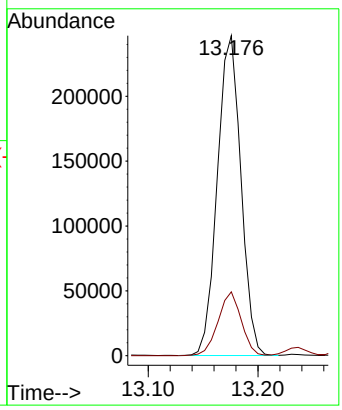
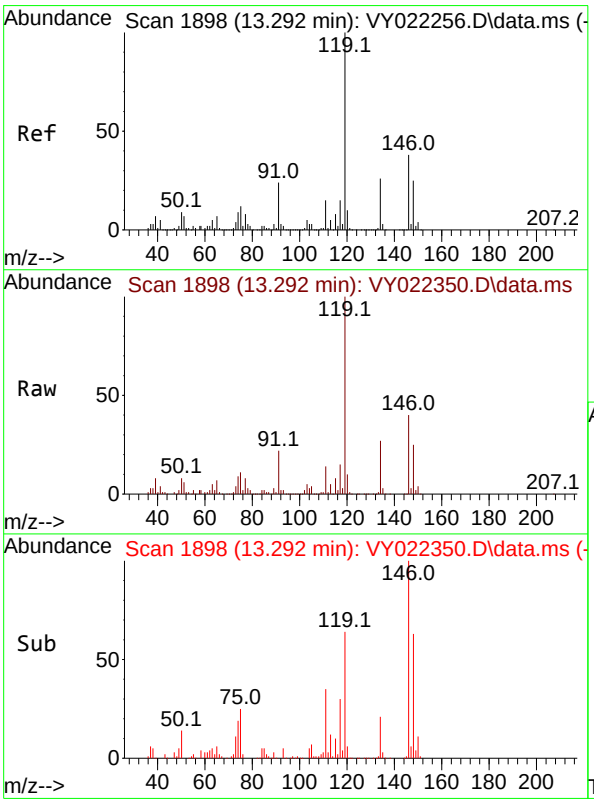
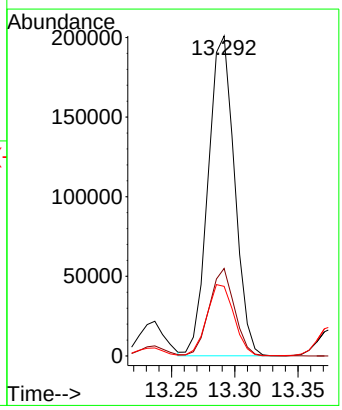


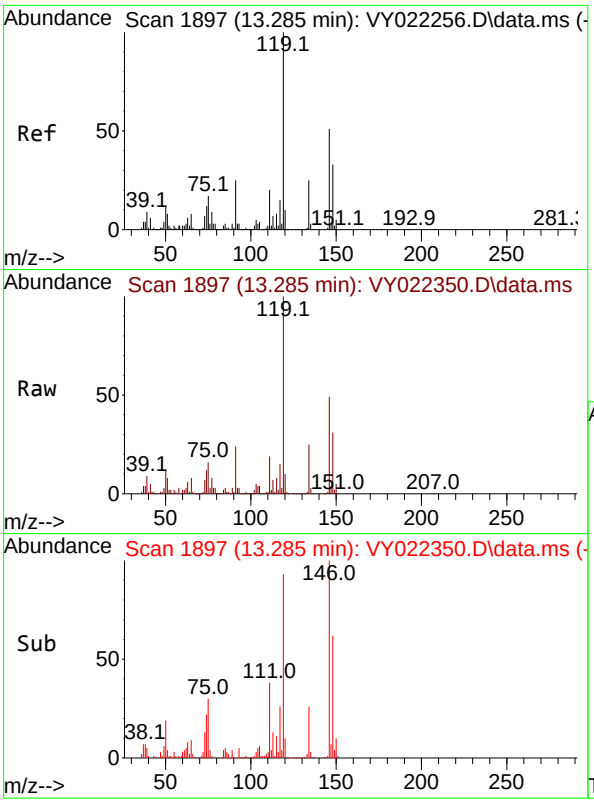


#86
p-Isopropyltoluene
Concen: 42.756 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:119 Resp: 291194

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.6
91	22.9	12.1	36.3

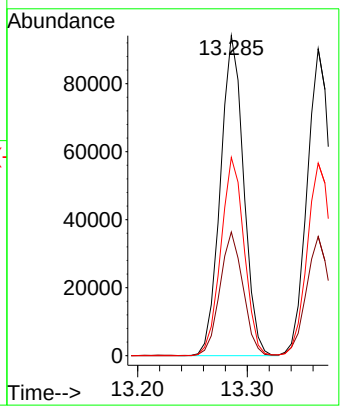




#87
1,3-Dichlorobenzene
Concen: 41.845 ug/l
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:146 Resp: 13871

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.9	59.7
148	62.0	31.9	95.7



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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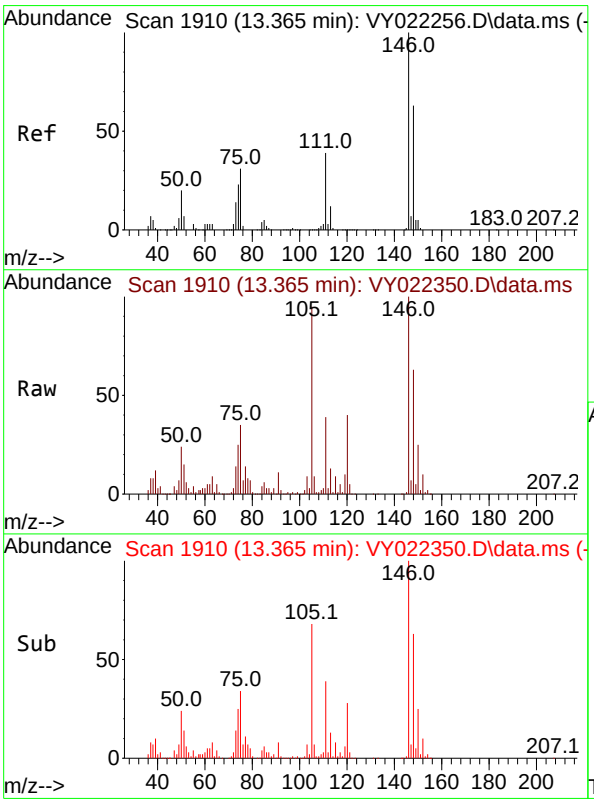
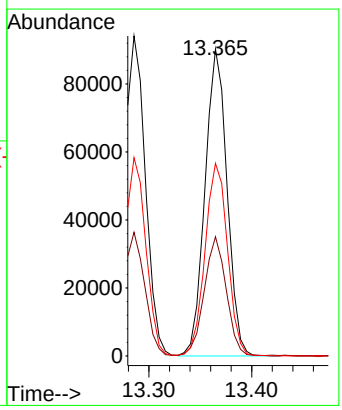
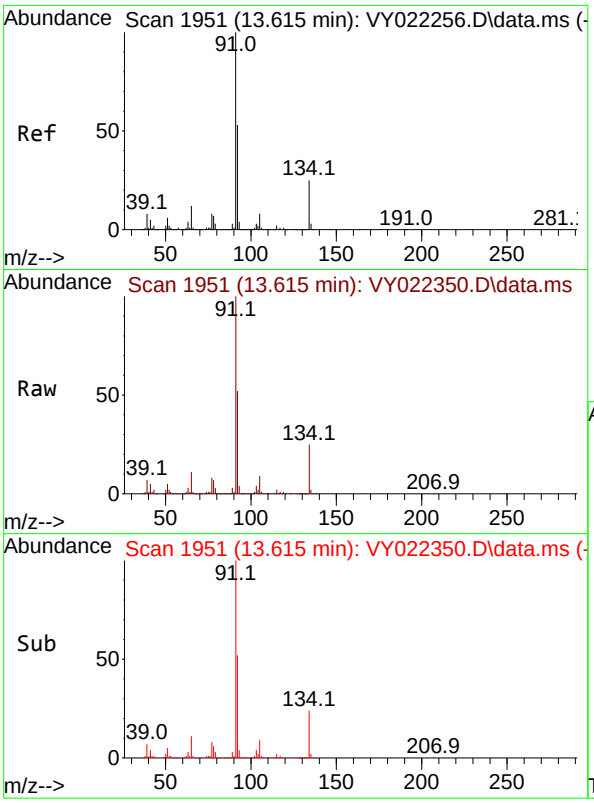


#88
1,4-Dichlorobenzene
Concen: 42.329 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:146 Resp: 134979

Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	59.9
148	64.0	32.1	96.5





#89
n-Butylbenzene
Concen: 44.935 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 91 Resp: 28952

Ion	Ratio	Lower	Upper
91	100		
92	49.4	26.3	78.9
134	35.1	12.4	37.4

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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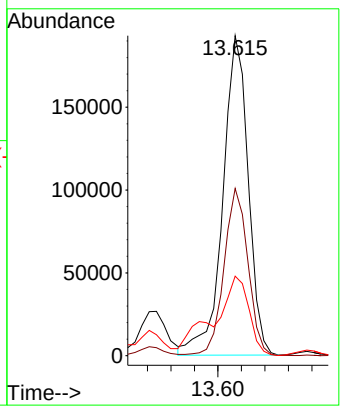
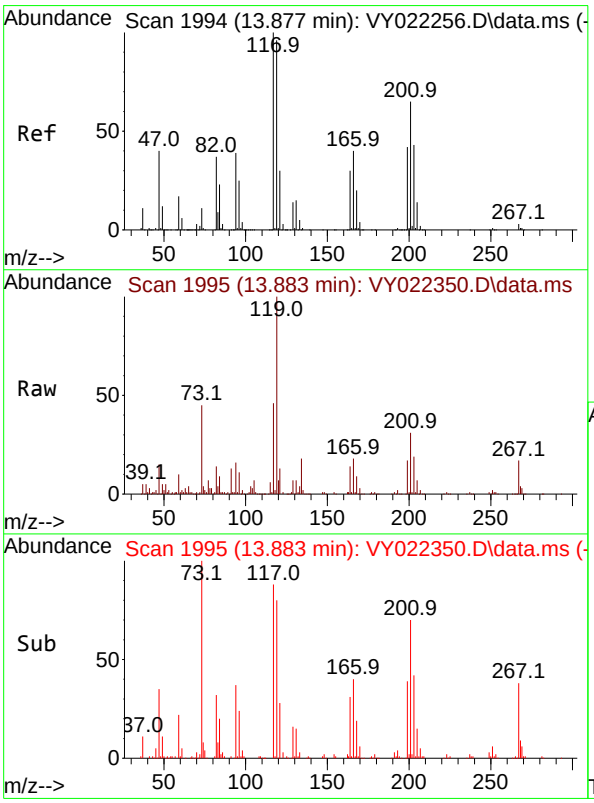
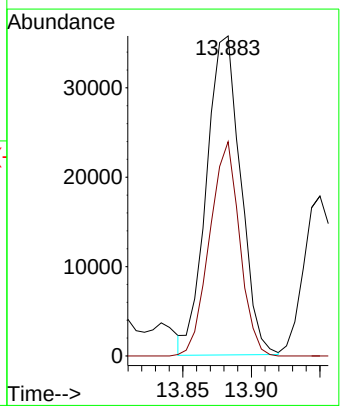


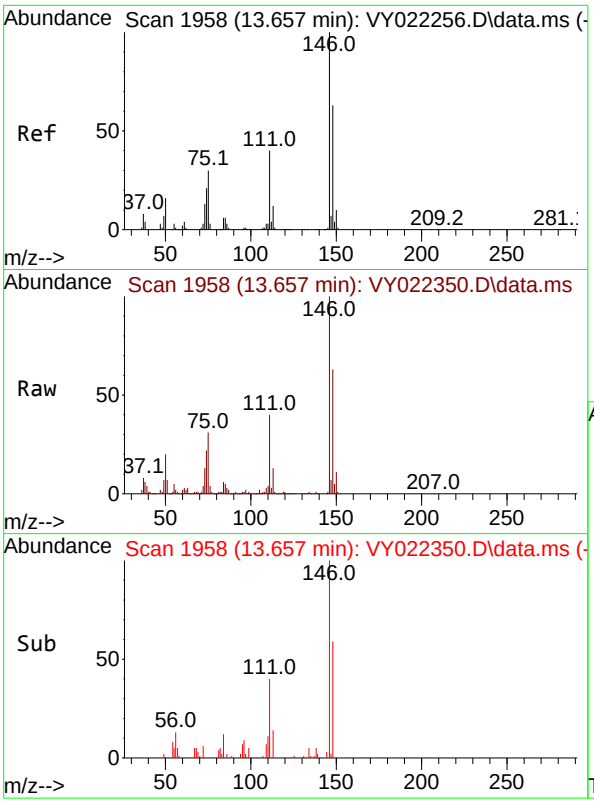


#90
Hexachloroethane
Concen: 44.862 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:117 Resp: 61677

Ion	Ratio	Lower	Upper
117	100		
201	59.3	35.2	105.6

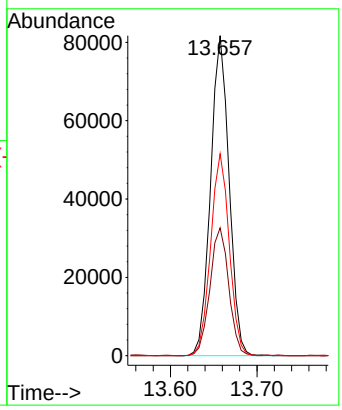




#91
1,2-Dichlorobenzene
Concen: 43.485 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:146 Resp: 12108

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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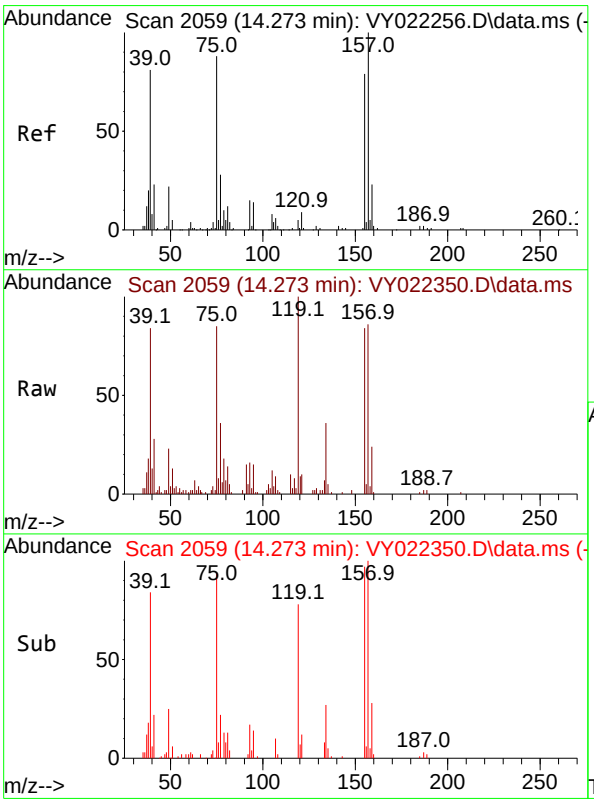
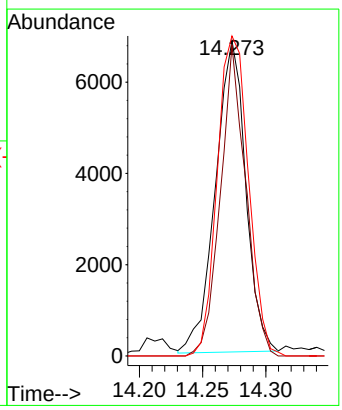
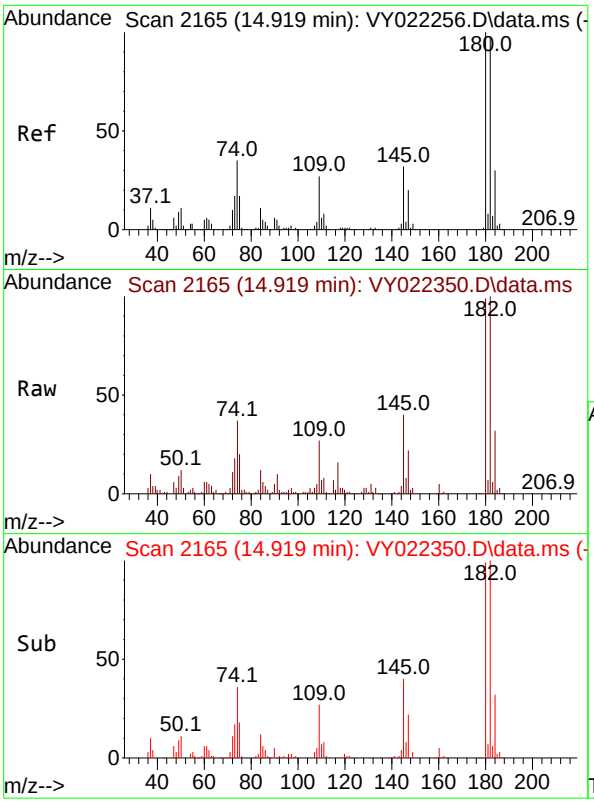


#92
1,2-Dibromo-3-Chloropropane
Concen: 60.046 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion: 75 Resp: 11322

Ion	Ratio	Lower	Upper
75	100		
155	83.7	43.4	130.1
157	106.1	54.6	163.9





#93
1,2,4-Trichlorobenzene
Concen: 32.643 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:180 Resp: 5250

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.0
145	53.8	15.0	45.1

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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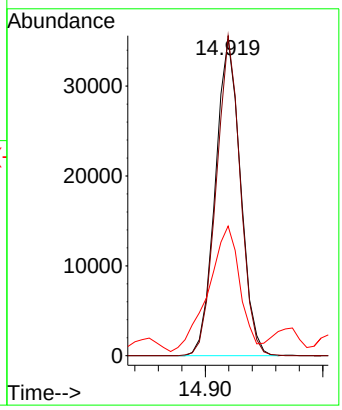
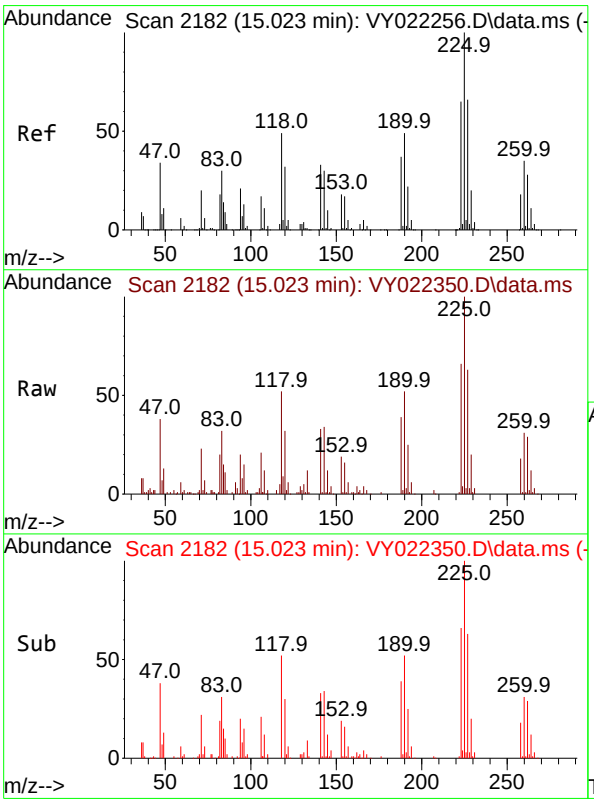
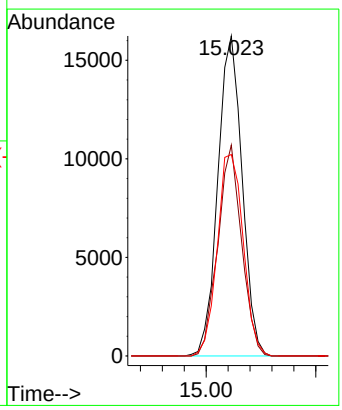


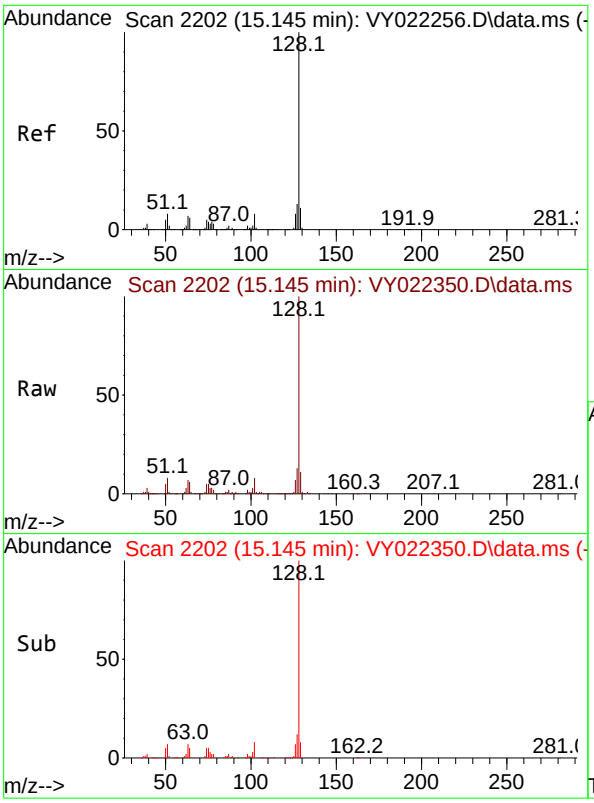


#94
Hexachlorobutadiene
Concen: 27.873 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:225 Resp: 25002

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.5	94.5
227	67.4	32.1	96.3

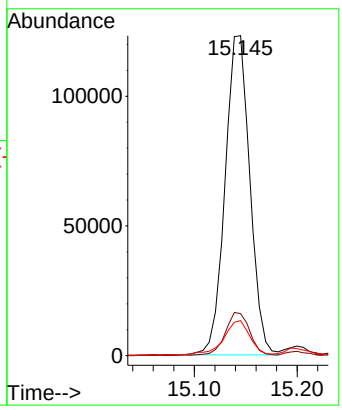




#95
Naphthalene
Concen: 67.728 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:128 Resp: 20673

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	11.5	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MS

Manual Integrations
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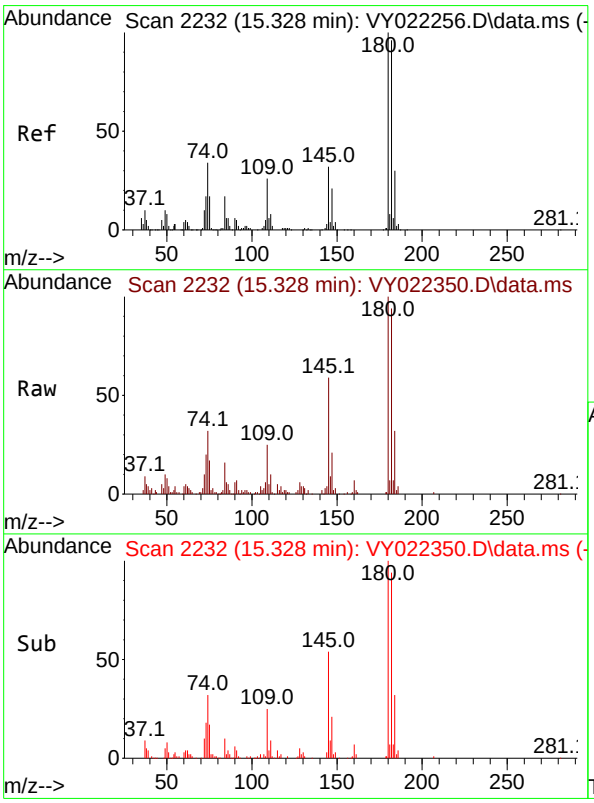
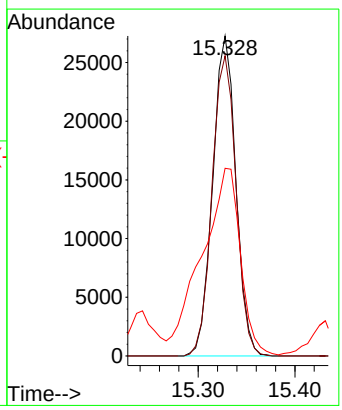


#96
1,2,3-Trichlorobenzene
Concen: 33.285 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022350.D
Acq: 20 May 2025 18:04

Tgt Ion:180 Resp: 45418

Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.1	141.3
145	96.6	15.9	47.6#



Raw Data: **VY022351.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	05/16/25
Client Sample ID:	SS-11MSD	SDG No.:	Q2075
Lab Sample ID:	Q2075-05MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	8.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022351.D	1		05/20/25 18:26	VY052025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
71-43-2	Benzene	43.1		0.54	3.40	ug/Kg
108-88-3	Toluene	52.7		0.54	3.40	ug/Kg
100-41-4	Ethyl Benzene	54.6		0.46	3.40	ug/Kg
1330-20-7	Total Xylenes	219		1.41	10.3	ug/Kg
98-82-8	Isopropylbenzene	40.5		0.54	3.40	ug/Kg
103-65-1	n-propylbenzene	43.6		0.50	3.40	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	49.0		0.56	3.40	ug/Kg
98-06-6	tert-Butylbenzene	37.7		0.46	3.40	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	96.4		0.44	3.40	ug/Kg
135-98-8	sec-Butylbenzene	37.6		0.45	3.40	ug/Kg
99-87-6	p-Isopropyltoluene	36.2		0.43	3.40	ug/Kg
104-51-8	n-Butylbenzene	36.4		1.00	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.7		63 - 155	125%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	45.1		74 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		38 - 136	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	118000	7.707			
540-36-3	1,4-Difluorobenzene	220000	8.616			
3114-55-4	Chlorobenzene-d5	197000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	91200	13.346			

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

Sample Results: **VY022351.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022351.D
Acq On : 20 May 2025 18:26
Operator : SY/MD
Sample : Q2075-05MSD
Misc : 8.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 21 01:56:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	117744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	220285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	197296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	91227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	80702	62.714	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.420%			
35) Dibromofluoromethane	7.634	113	67447	51.299	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.600%			
50) Toluene-d8	10.103	98	243044	45.135	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.280%			
62) 4-Bromofluorobenzene	12.401	95	77563	45.444	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	69752	56.773	ug/l	99
3) Chloromethane	2.068	50	149030	57.664	ug/l	99
4) Vinyl Chloride	2.202	62	204676	70.884	ug/l	97
5) Bromomethane	2.592	94	169892	72.277	ug/l	96
6) Chloroethane	2.732	64	144872	80.648	ug/l	98
7) Trichlorofluoromethane	3.049	101	187596	64.170	ug/l	99
8) Diethyl Ether	3.452	74	48755	69.492	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	77753	61.264	ug/l	99
10) Methyl Iodide	4.001	142	93043	63.341	ug/l	99
11) Tert butyl alcohol	4.866	59	34756	353.689	ug/l #	100
12) 1,1-Dichloroethene	3.793	96	79516	63.135	ug/l	92
13) Acrolein	3.647	56	12008	83.588	ug/l	94
14) Allyl chloride	4.385	41	116351	52.687	ug/l	94
15) Acrylonitrile	5.055	53	104332	360.903	ug/l	99
16) Acetone	3.866	43	111202	460.865	ug/l	100
17) Carbon Disulfide	4.104	76	257099	62.600	ug/l	99
18) Methyl Acetate	4.385	43	86490	113.688	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	243870	70.224	ug/l	97
20) Methylene Chloride	4.610	84	103093	66.122	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	90197	64.882	ug/l	94
22) Diisopropyl ether	6.012	45	291066	62.413	ug/l	97
23) Vinyl Acetate	5.957	43	416854m	147.955	ug/l	
24) 1,1-Dichloroethane	5.915	63	169790	65.168	ug/l	99
25) 2-Butanone	6.890	43	145998	361.733	ug/l	99
26) 2,2-Dichloropropane	6.884	77	134022	57.834	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	109957	68.542	ug/l	94
28) Bromochloromethane	7.244	49	64696	58.214	ug/l	96
29) Tetrahydrofuran	7.256	42	87898	338.510	ug/l	92
30) Chloroform	7.421	83	170151	68.085	ug/l	99
31) Cyclohexane	7.701	56	148238	56.944	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	144918	63.206	ug/l	99
36) 1,1-Dichloropropene	7.835	75	118925	54.915	ug/l	100
37) Ethyl Acetate	6.982	43	54726	52.521	ug/l	98
38) Carbon Tetrachloride	7.817	117	120777	53.878	ug/l	96
39) Methylcyclohexane	9.109	83	157684	54.197	ug/l	97
40) Benzene	8.079	78	402961	62.767	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022351.D
Acq On : 20 May 2025 18:26
Operator : SY/MD
Sample : Q2075-05MSD
Misc : 8.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 21 01:56:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	33202m	48.036	ug/l		
42) 1,2-Dichloroethane	8.152	62	108892	62.721	ug/l		100
43) Isopropyl Acetate	8.195	43	126350	55.601	ug/l		99
44) Trichloroethene	8.866	130	93355	58.482	ug/l		92
45) 1,2-Dichloropropane	9.140	63	92211	59.576	ug/l		99
46) Dibromomethane	9.231	93	53553	64.149	ug/l		98
47) Bromodichloromethane	9.420	83	131028	60.501	ug/l		99
48) Methyl methacrylate	9.219	41	65146	61.301	ug/l		93
49) 1,4-Dioxane	9.225	88	12322	1306.545	ug/l	#	92
51) 4-Methyl-2-Pentanone	9.999	43	343426	307.999	ug/l		97
52) Toluene	10.170	92	311976	76.740	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	116532	55.135	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	133810	55.258	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	70404	65.859	ug/l		97
56) Ethyl methacrylate	10.438	69	93754	56.302	ug/l		96
57) 1,3-Dichloropropane	10.713	76	121167	63.793	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	242440	324.368	ug/l		99
59) 2-Hexanone	10.762	43	233661	312.547	ug/l		97
60) Dibromochloromethane	10.908	129	86156	62.093	ug/l		99
61) 1,2-Dibromoethane	11.011	107	63680	63.913	ug/l		100
64) Tetrachloroethene	10.646	164	110490	60.588	ug/l		98
65) Chlorobenzene	11.438	112	247023	55.496	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.517	131	87876	57.426	ug/l		99
67) Ethyl Benzene	11.517	91	662491	79.472	ug/l		97
68) m/p-Xylenes	11.627	106	646496	205.811	ug/l		98
69) o-Xylene	11.950	106	339682	114.296	ug/l		98
70) Styrene	11.969	104	286703	57.189	ug/l		92
71) Bromoform	12.133	173	47726	57.783	ug/l	#	96
73) Isopropylbenzene	12.255	105	445609	58.961	ug/l		100
74) N-amyl acetate	12.072	43	48012	22.212	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	72829	62.659	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	53162m	57.521	ug/l		
77) Bromobenzene	12.530	156	92821	57.504	ug/l		98
78) n-propylbenzene	12.590	91	578609	63.472	ug/l		100
79) 2-Chlorotoluene	12.676	91	328215	65.517	ug/l		92
80) 1,3,5-Trimethylbenzene	12.737	105	435716	71.419	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.298	75	19607	42.975	ug/l		94
82) 4-Chlorotoluene	12.773	91	275371	53.441	ug/l		99
83) tert-Butylbenzene	12.999	119	297328	54.832	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	850199	140.385	ug/l		99
85) sec-Butylbenzene	13.176	105	440134	54.679	ug/l		100
86) p-Isopropyltoluene	13.292	119	357175	52.760	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	174544	52.969	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	171952	54.249	ug/l		98
89) n-Butylbenzene	13.615	91	339824	53.059	ug/l		96
90) Hexachloroethane	13.877	117	71808	52.546	ug/l		93
91) 1,2-Dichlorobenzene	13.657	146	155596	56.214	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12219	65.194	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	76925	48.113	ug/l		95
94) Hexachlorobutadiene	15.023	225	36701	41.162	ug/l		98
95) Naphthalene	15.145	128	226323	74.594	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	65369	48.195	ug/l	#	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022351.D
Acq On : 20 May 2025 18:26
Operator : SY/MD
Sample : Q2075-05MSD
Misc : 8.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 21 01:56:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
Data File : VY022351.D
Acq On : 20 May 2025 18:26
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Instrument :
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ClientSampleId :
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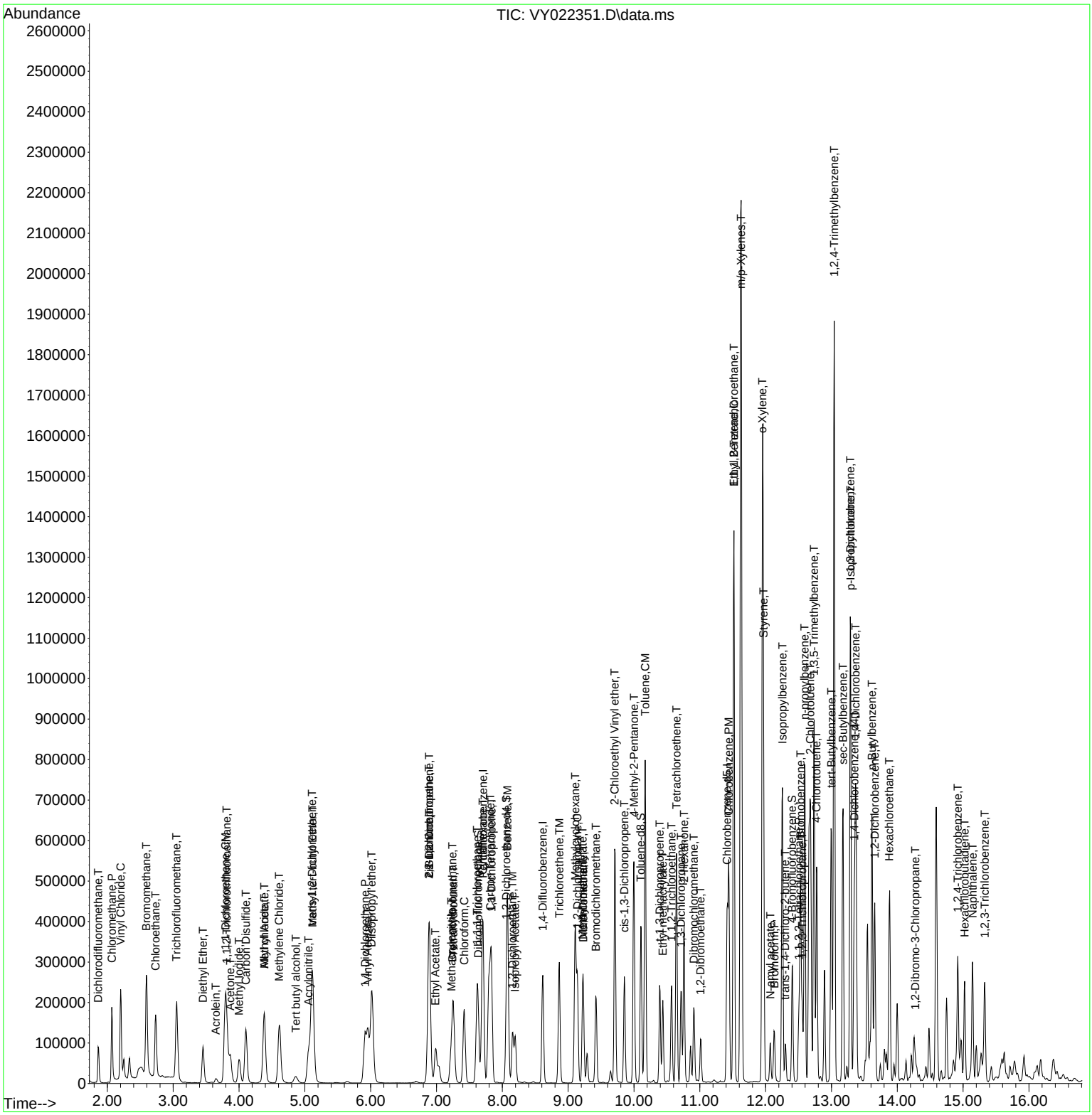
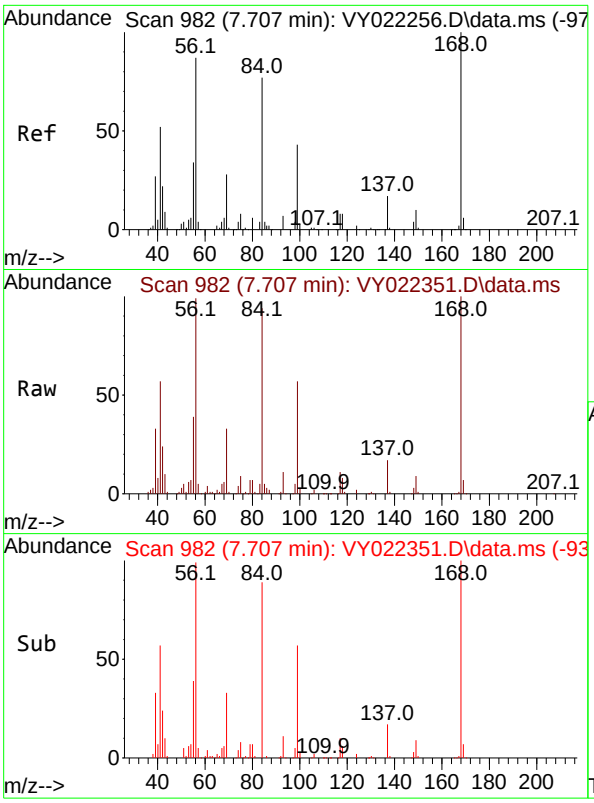
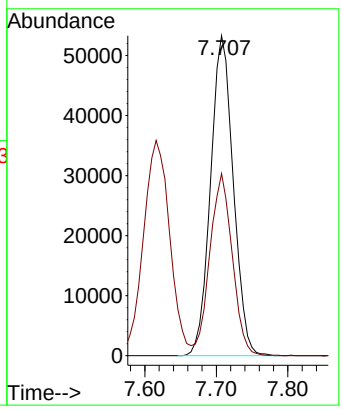




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:168 Resp: 11774

Ion	Ratio	Lower	Upper
168	100		
99	56.8	44.2	66.4



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
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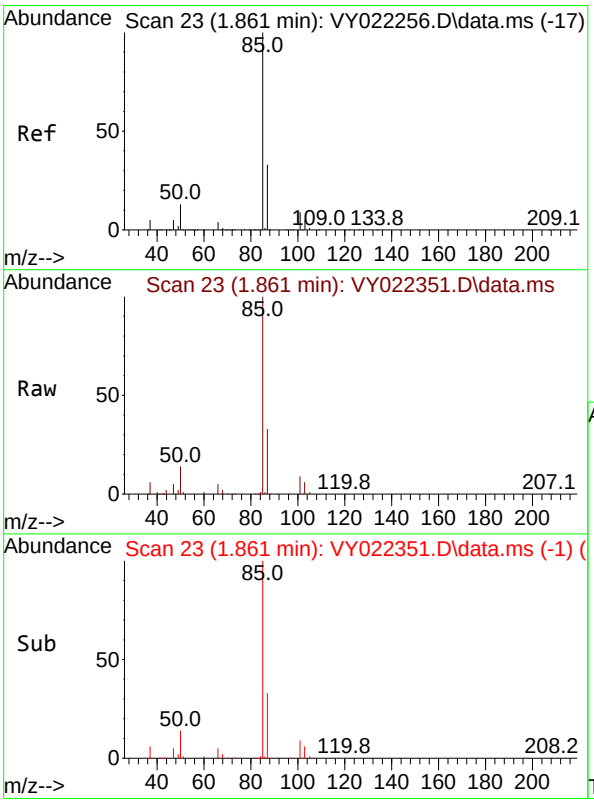
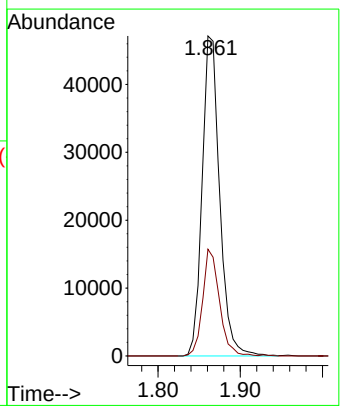
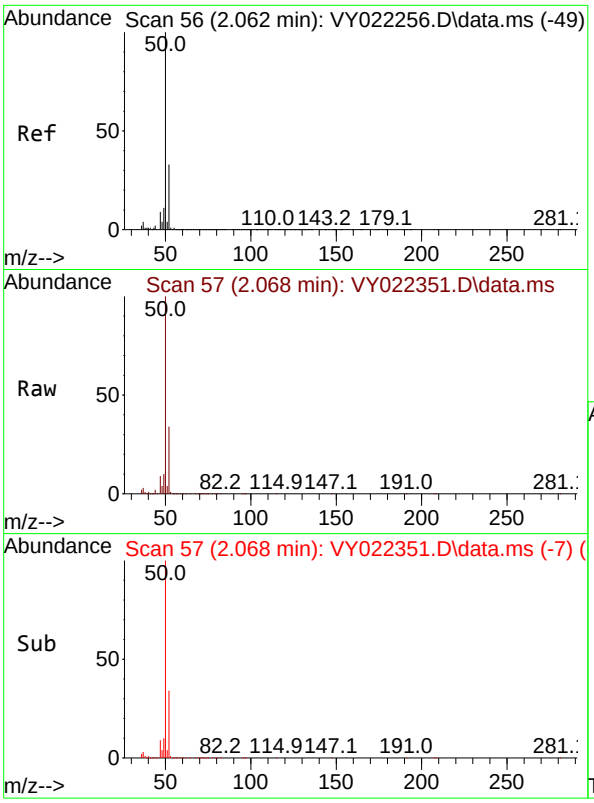


#2
Dichlorodifluoromethane
Concen: 56.773 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 85 Resp: 69752

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.5	49.5

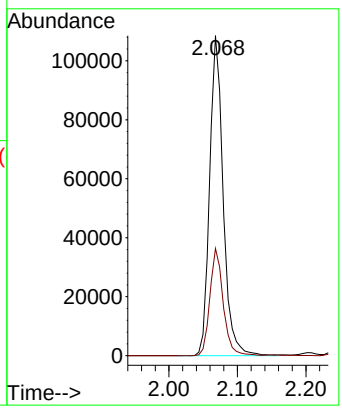




#3
Chloromethane
Concen: 57.664 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 50 Resp: 14903

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.5	39.7



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
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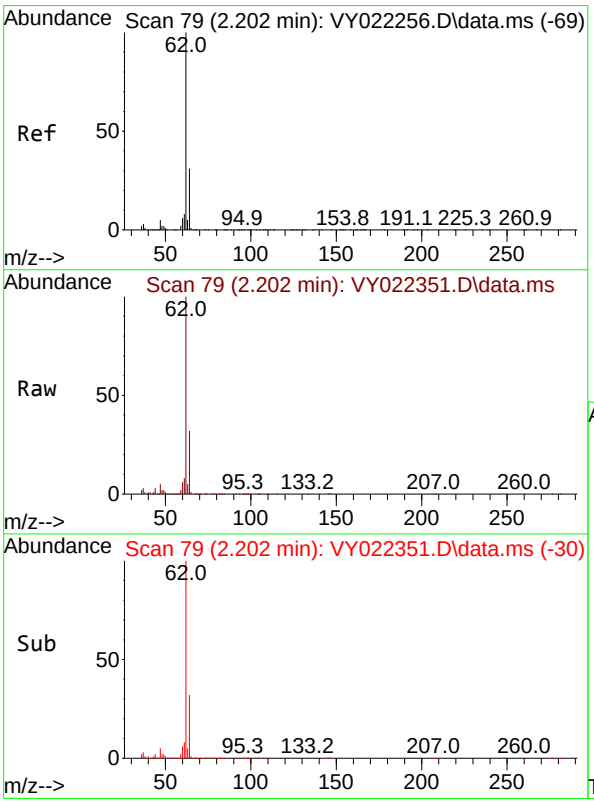
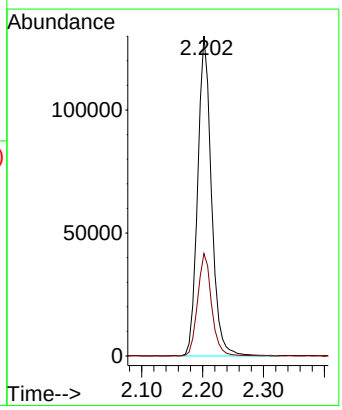
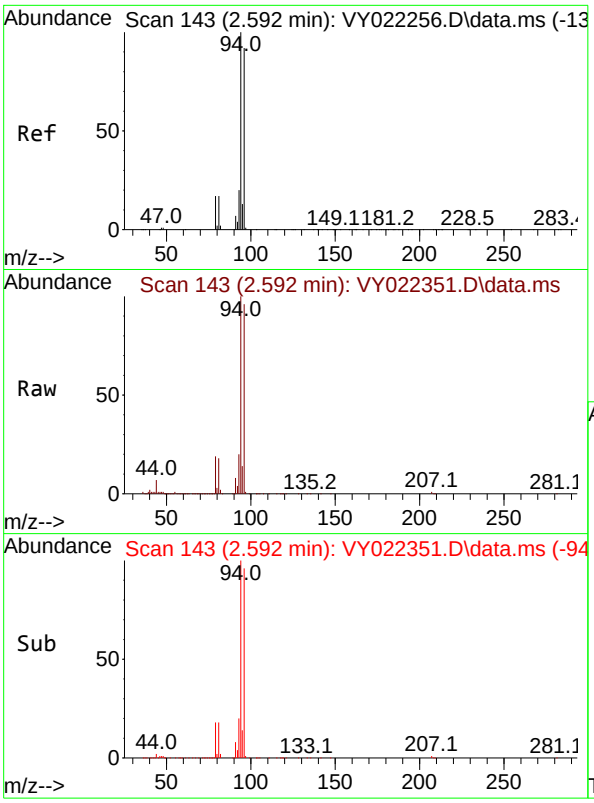


#4
Vinyl Chloride
Concen: 70.884 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 62 Resp: 204676

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.5	36.7

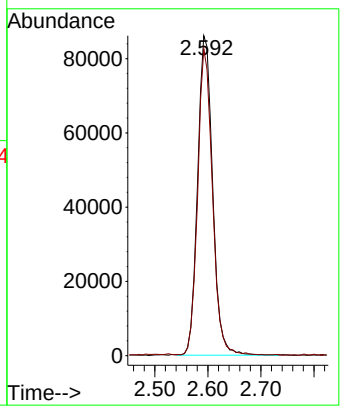




#5
Bromomethane
Concen: 72.277 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 94 Resp: 16989

Ion	Ratio	Lower	Upper
94	100		
96	95.6	73.4	110.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
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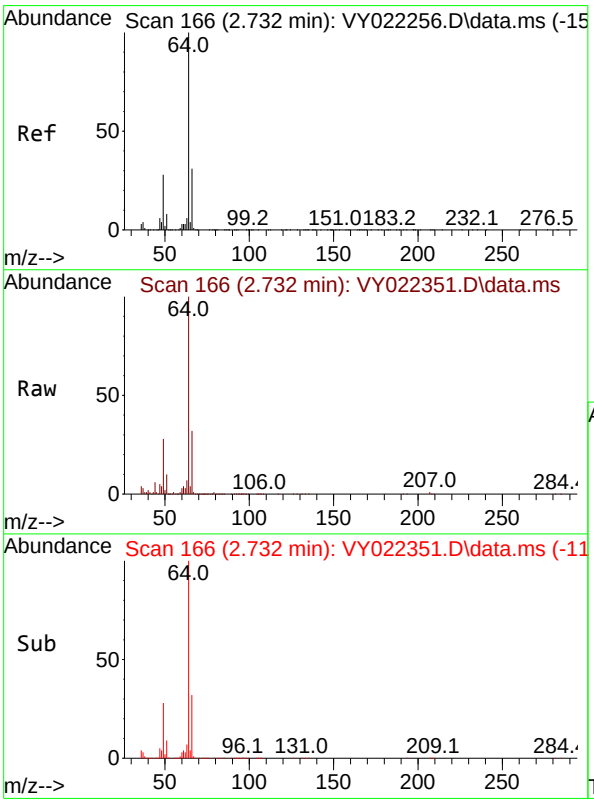
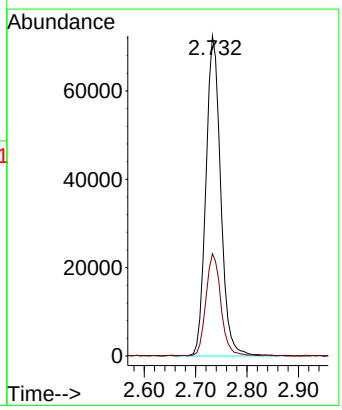
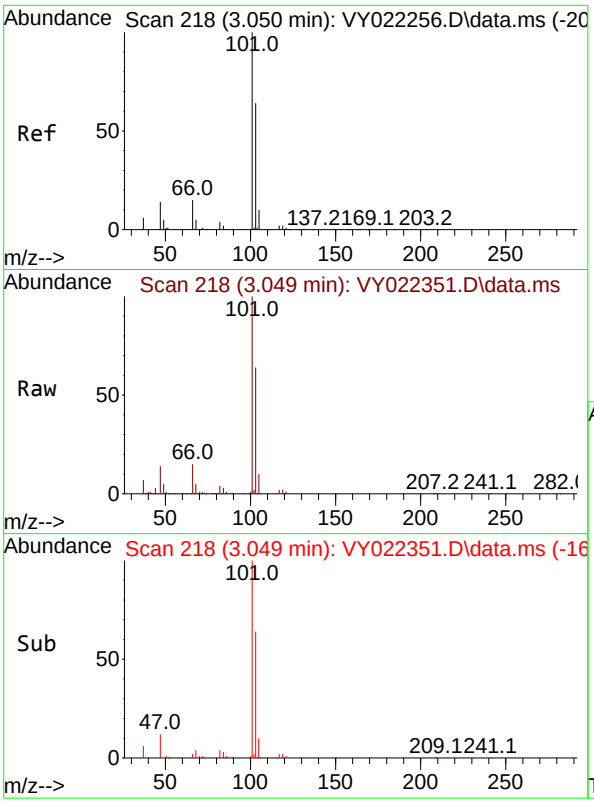


#6
Chloroethane
Concen: 80.648 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 64 Resp: 144872

Ion	Ratio	Lower	Upper
64	100		
66	31.8	24.8	37.2

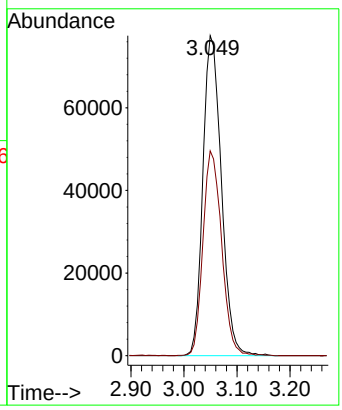




#7
Trichlorofluoromethane
Concen: 64.170 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:101 Resp: 18759(

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.7	77.5



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
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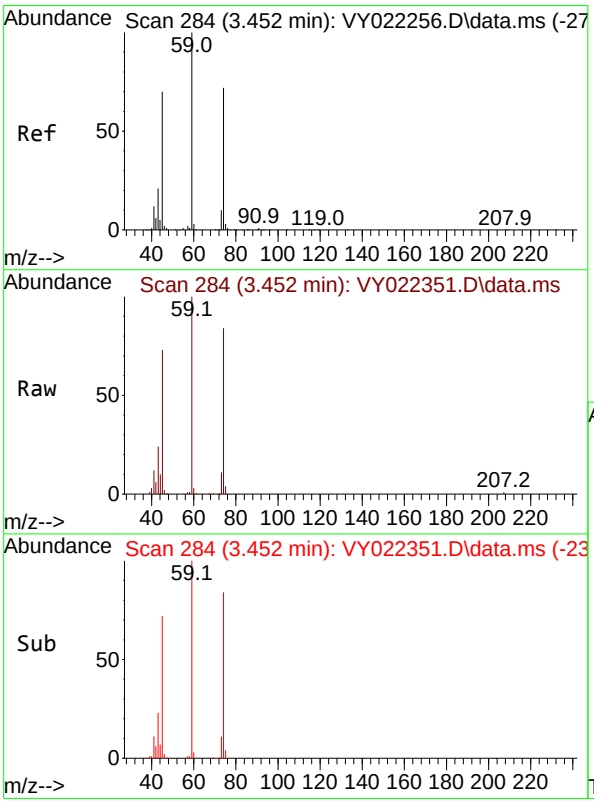
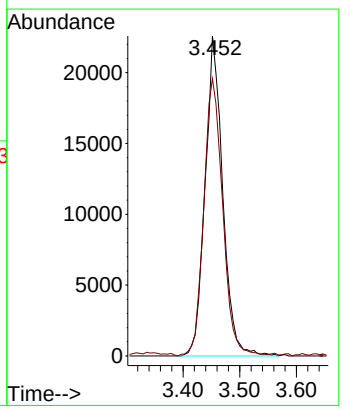
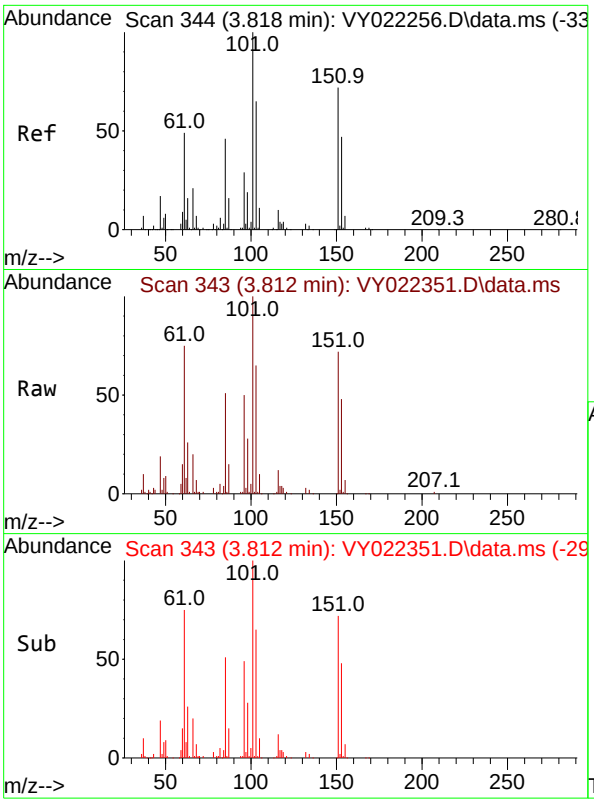


#8
Diethyl Ether
Concen: 69.492 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 74 Resp: 48755

Ion	Ratio	Lower	Upper
74	100		
45	93.0	48.6	145.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.264 ug/l
RT: 3.812 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:101 Resp: 7775

Ion	Ratio	Lower	Upper
101	100		
85	49.5	38.6	58.0
151	73.6	59.7	89.5

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
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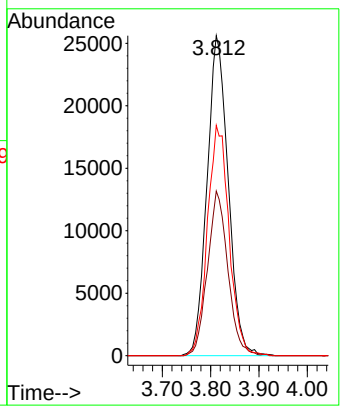
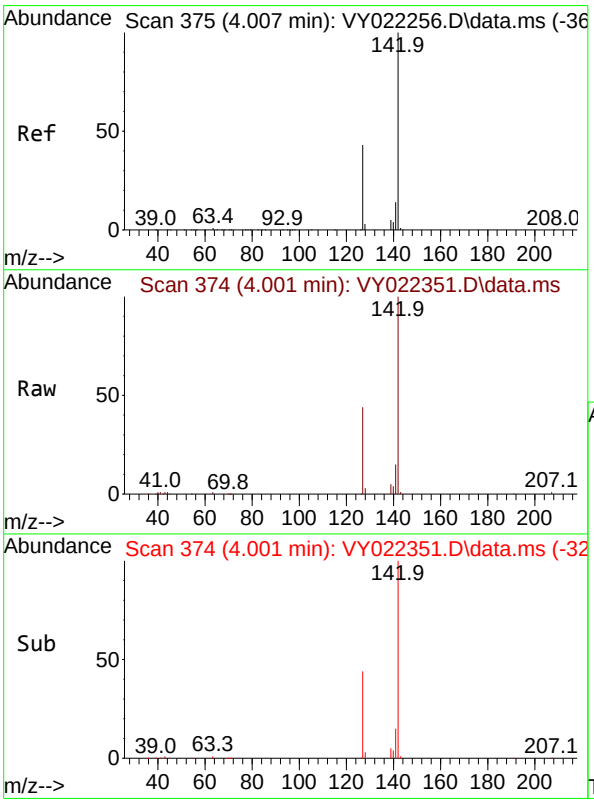
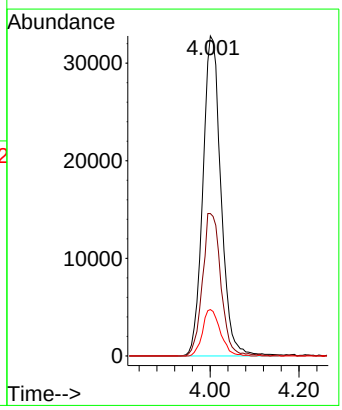


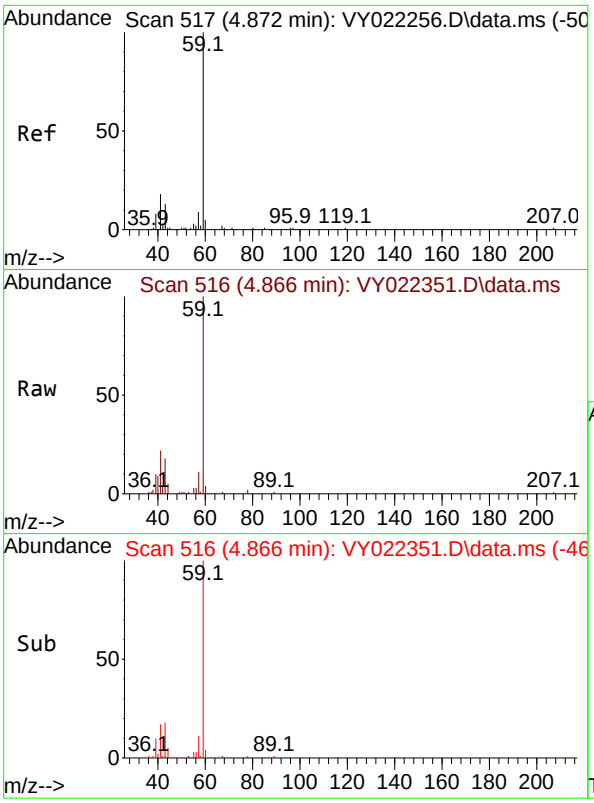


#10
Methyl Iodide
Concen: 63.341 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:142 Resp: 93043

Ion	Ratio	Lower	Upper
142	100		
127	45.3	35.7	53.5
141	14.3	11.1	16.7





#11
Tert butyl alcohol
Concen: 353.689 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

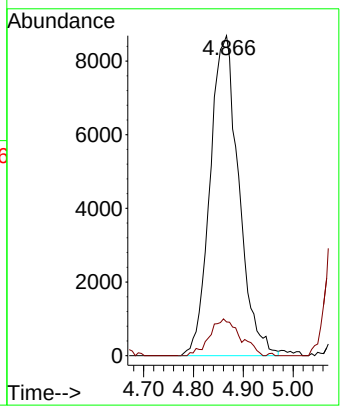
Tgt Ion: 59 Resp: 3475

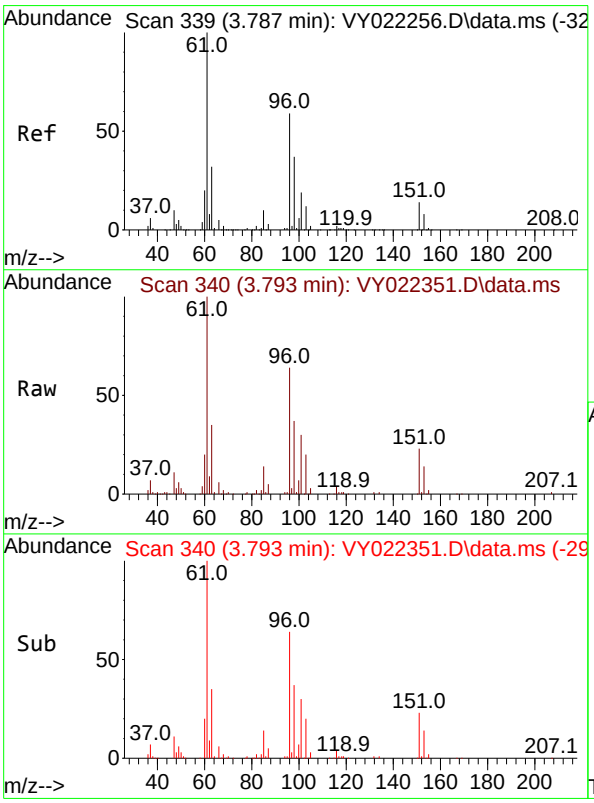
Ion	Ratio	Lower	Upper
59	100		
57	12.3	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

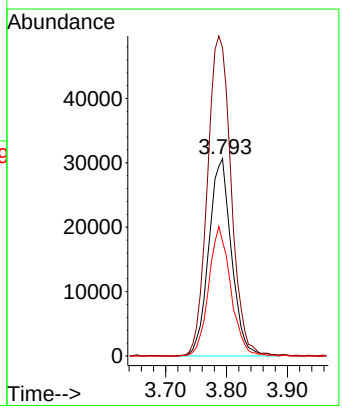


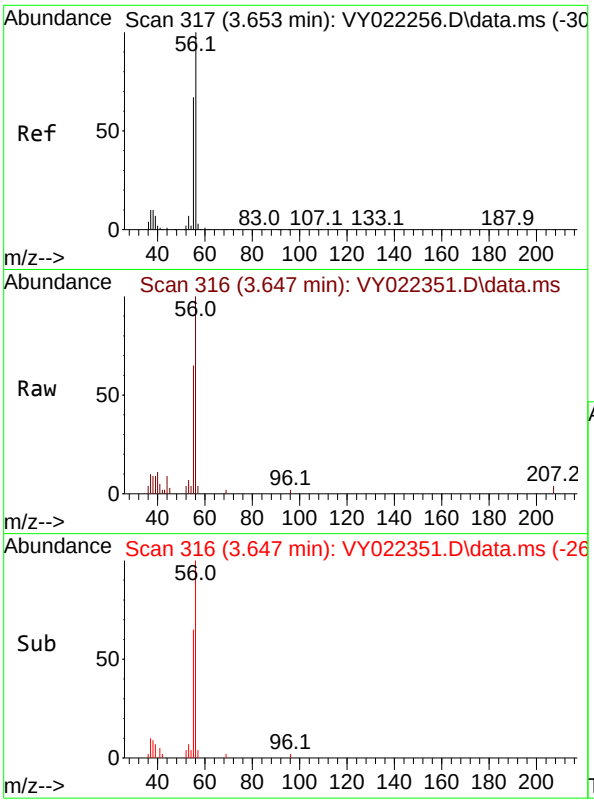


#12
1,1-Dichloroethene
Concen: 63.135 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 96 Resp: 79516

Ion	Ratio	Lower	Upper
96	100		
61	156.3	134.9	202.3
98	58.1	49.9	74.9

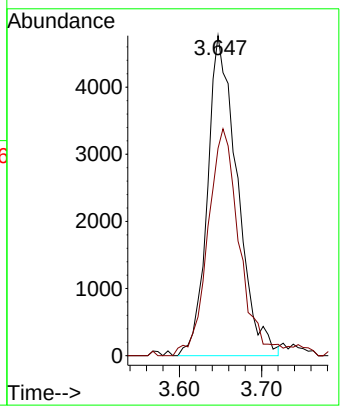




#13
Acrolein
Concen: 83.588 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 56 Resp: 1200

Ion	Ratio	Lower	Upper
56	100		
55	74.8	55.6	83.4



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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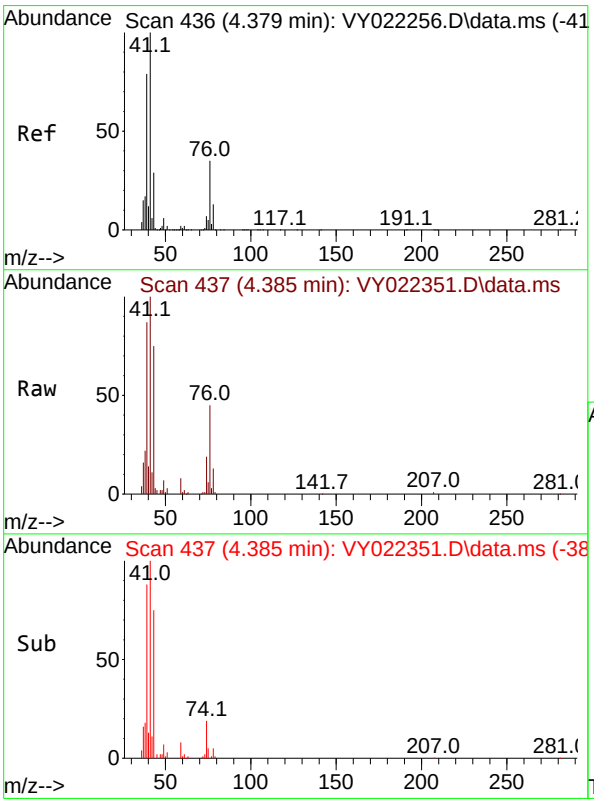
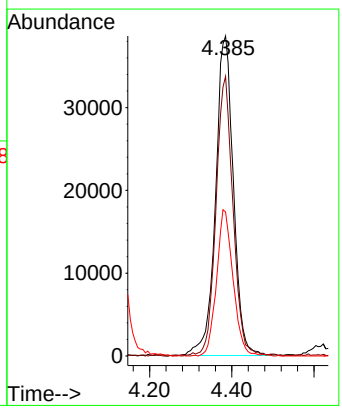
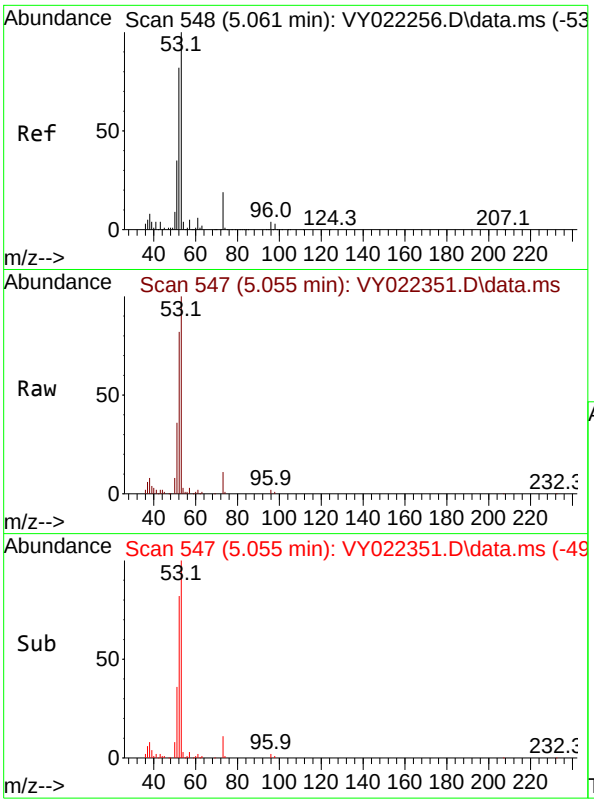


#14
Allyl chloride
Concen: 52.687 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 41 Resp: 116351

Ion	Ratio	Lower	Upper
41	100		
39	83.5	63.4	95.0
76	42.3	29.5	44.3

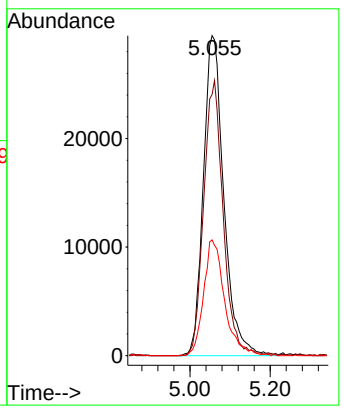




#15
Acrylonitrile
Concen: 360.903 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 53 Resp: 10433

Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	37.1	30.0	45.0



Instrument :
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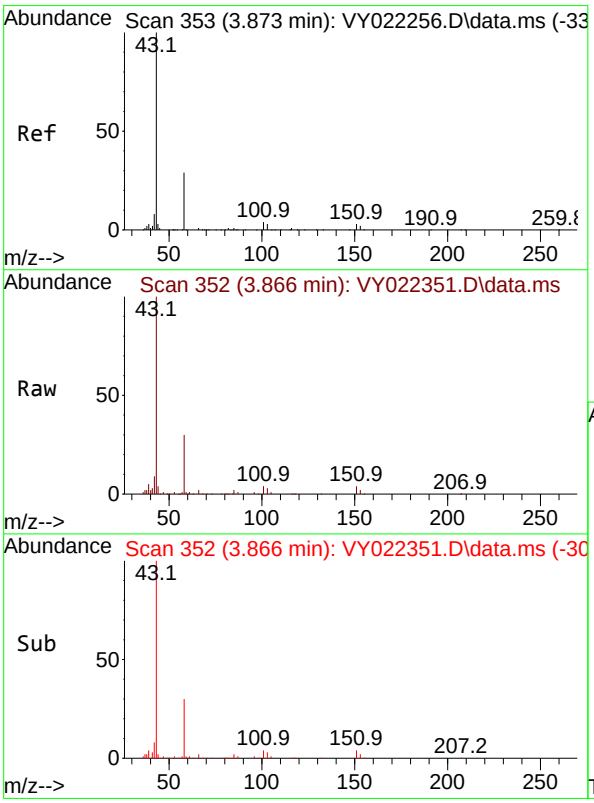
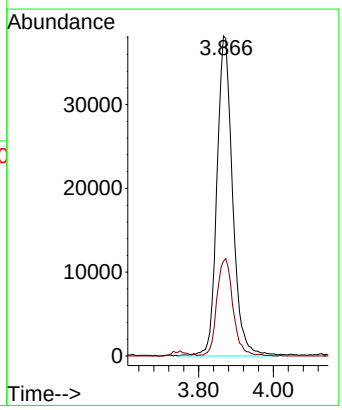
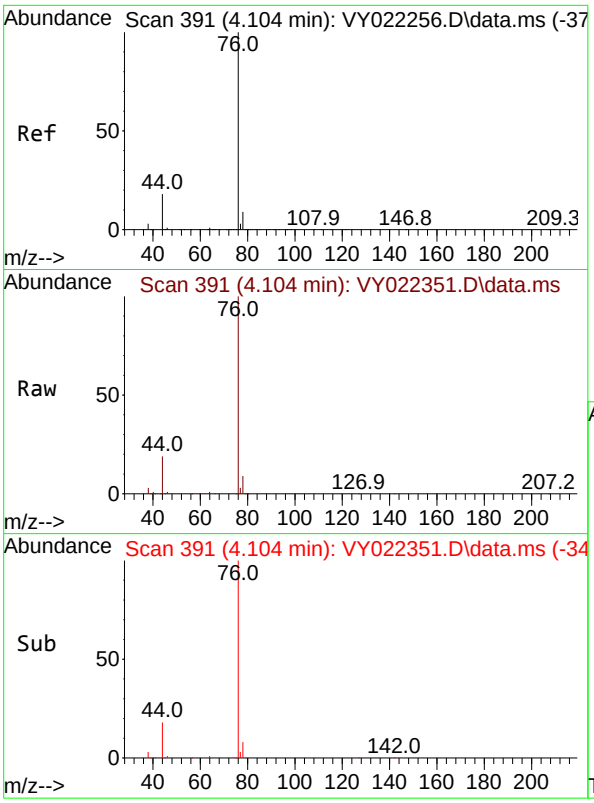


#16
Acetone
Concen: 460.865 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 111202

Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.6	35.4





#17
Carbon Disulfide
Concen: 62.600 ug/l
RT: 4.104 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 76 Resp: 25709

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

Instrument :
MSVOA_Y
ClientSampleId :
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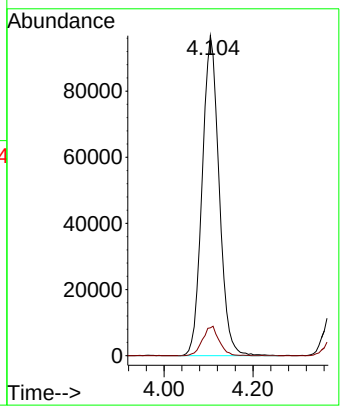
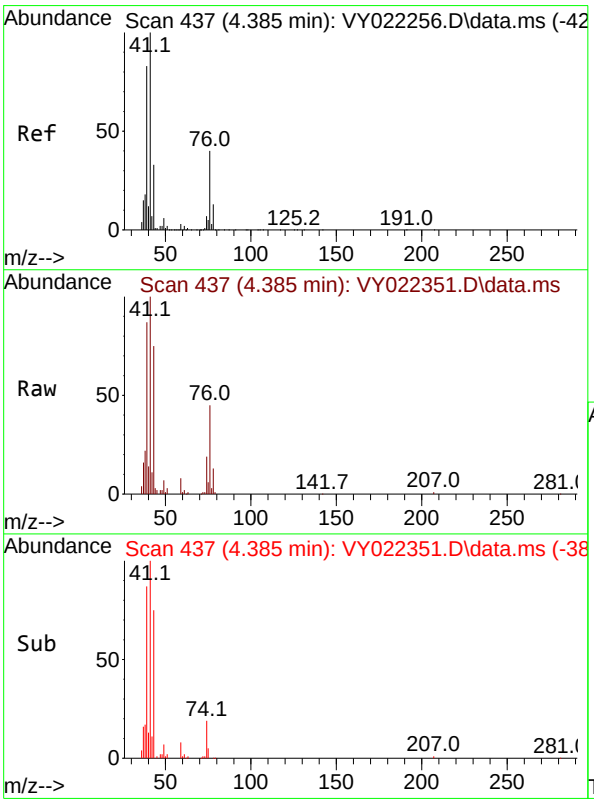
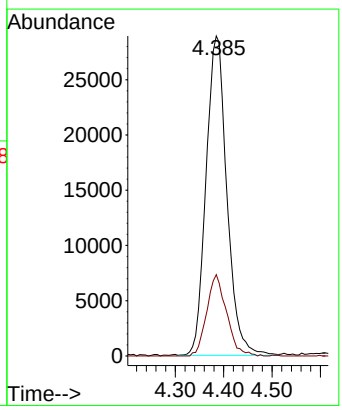


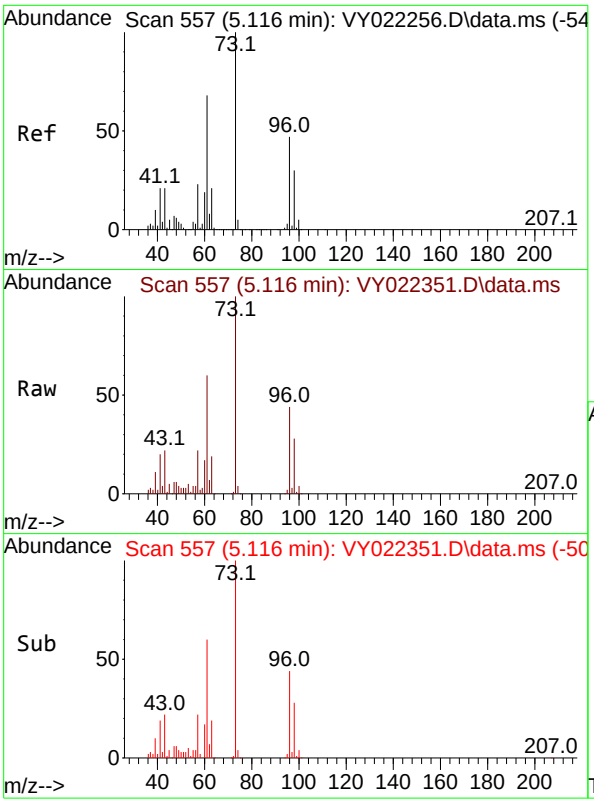


#18
Methyl Acetate
Concen: 113.688 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 86490

Ion	Ratio	Lower	Upper
43	100		
74	24.3	18.2	27.4

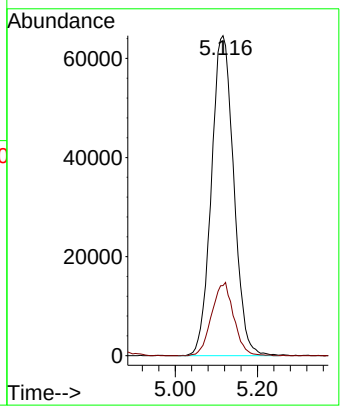




#19
Methyl tert-butyl Ether
Concen: 70.224 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 73 Resp: 24387

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.6	28.0



Instrument :
MSVOA_Y
ClientSampleId :
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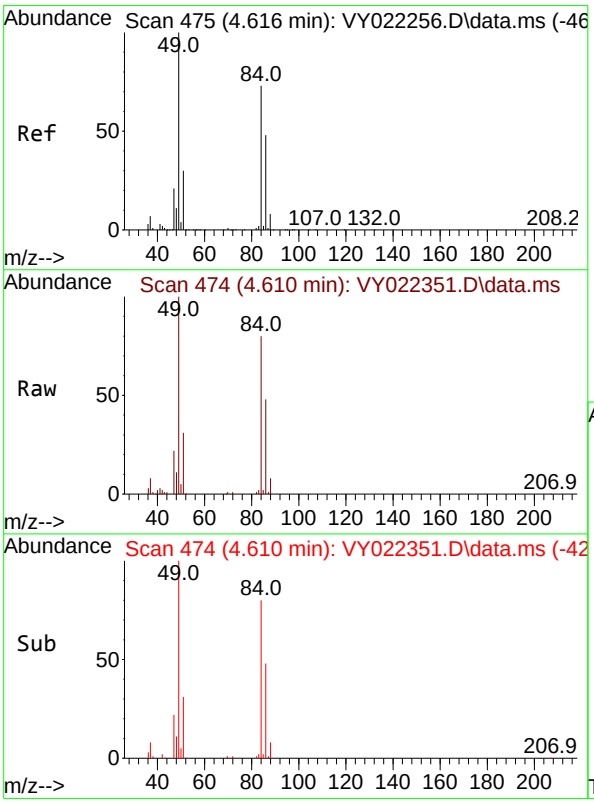
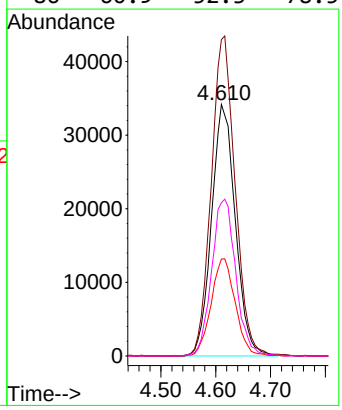
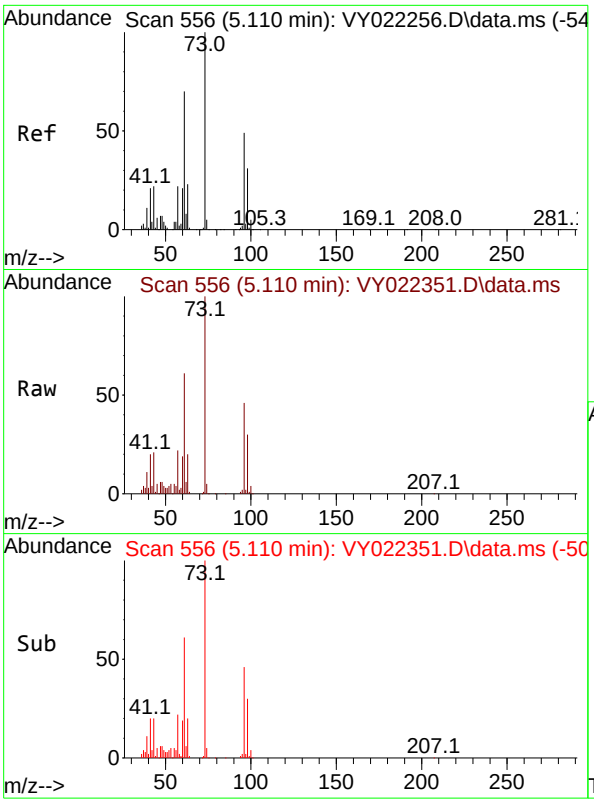


#20
Methylene Chloride
Concen: 66.122 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 84 Resp: 103093

Ion	Ratio	Lower	Upper
84	100		
49	125.8	109.6	164.4
51	38.5	32.4	48.6
86	60.9	52.3	78.5





#21
trans-1,2-Dichloroethene
Concen: 64.882 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 96 Resp: 9019

Ion	Ratio	Lower	Upper
96	100		
61	133.0	113.4	170.0
98	66.1	50.9	76.3

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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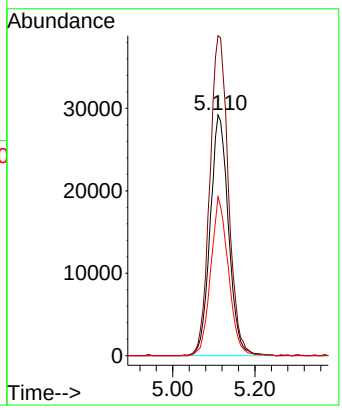
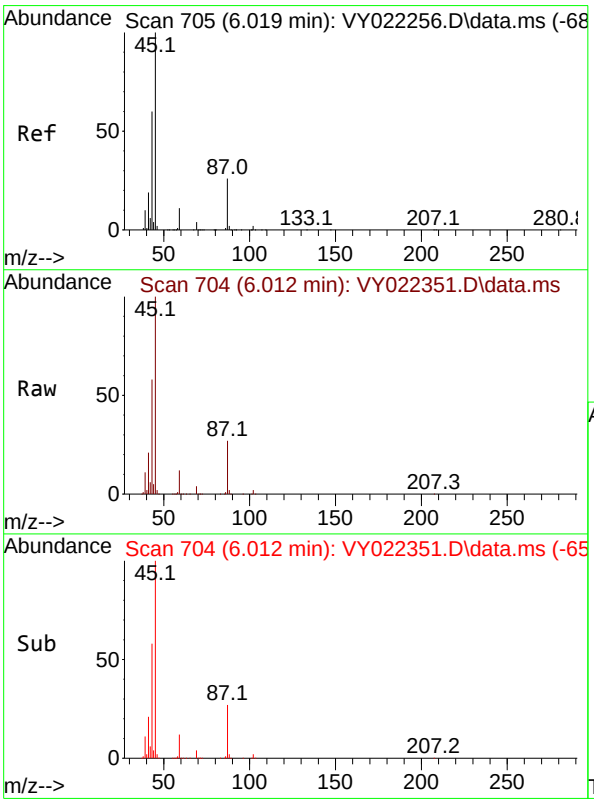
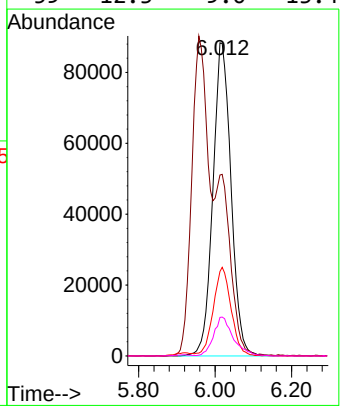


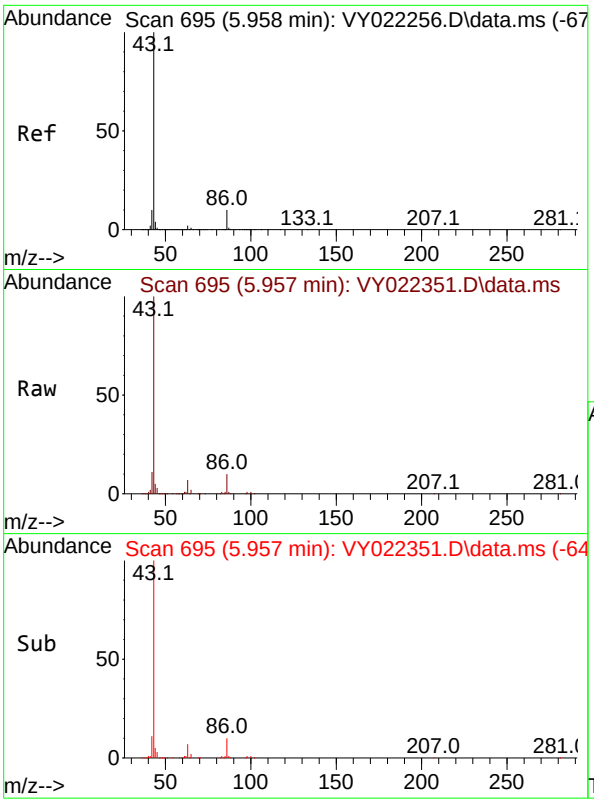


#22
Diisopropyl ether
Concen: 62.413 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 45 Resp: 291066

Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.2	72.2
87	27.0	21.4	32.0
59	12.3	9.0	13.4





#23
Vinyl Acetate
Concen: 147.955 ug/l m
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 41685

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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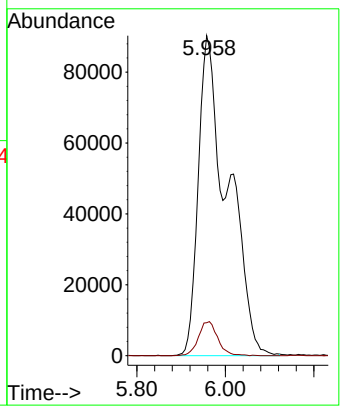
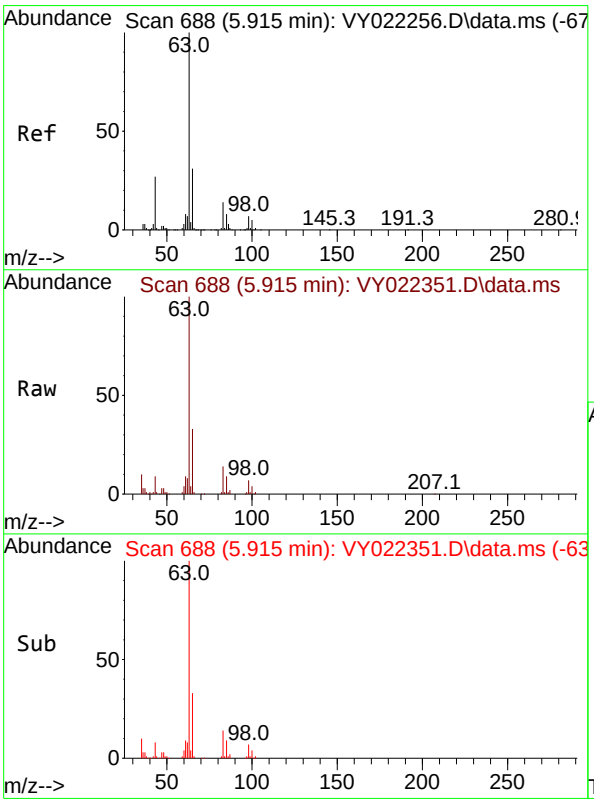
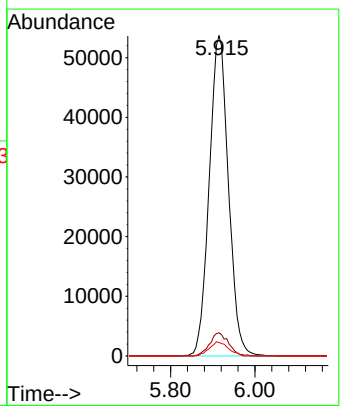


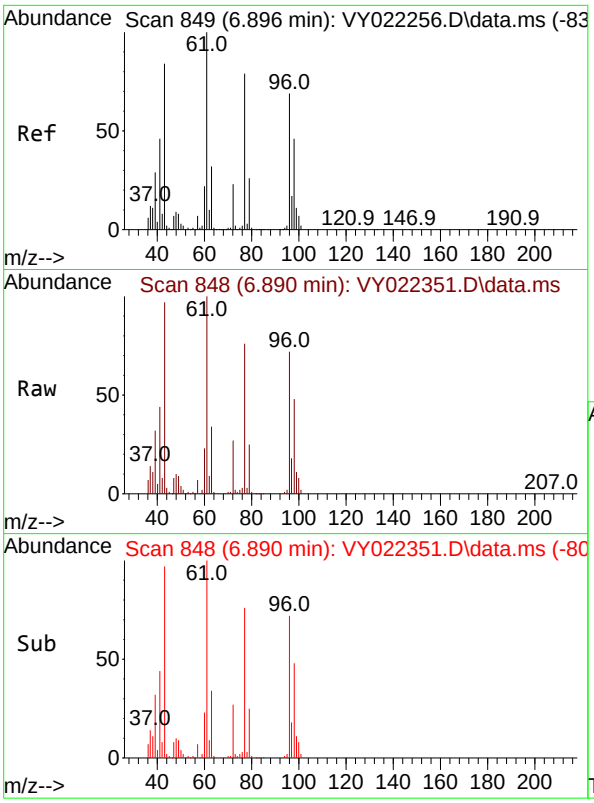


#24
1,1-Dichloroethane
Concen: 65.168 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 63 Resp: 169790

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.5
100	4.2	2.4	7.2





#25
2-Butanone
Concen: 361.733 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 14599

Ion	Ratio	Lower	Upper
43	100		
72	28.0	22.1	33.1

Instrument :
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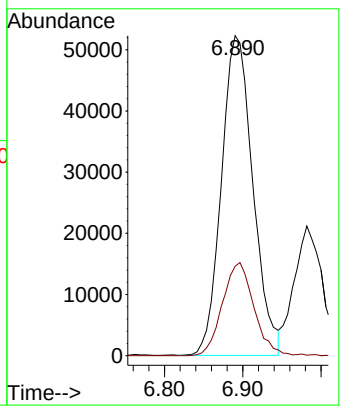
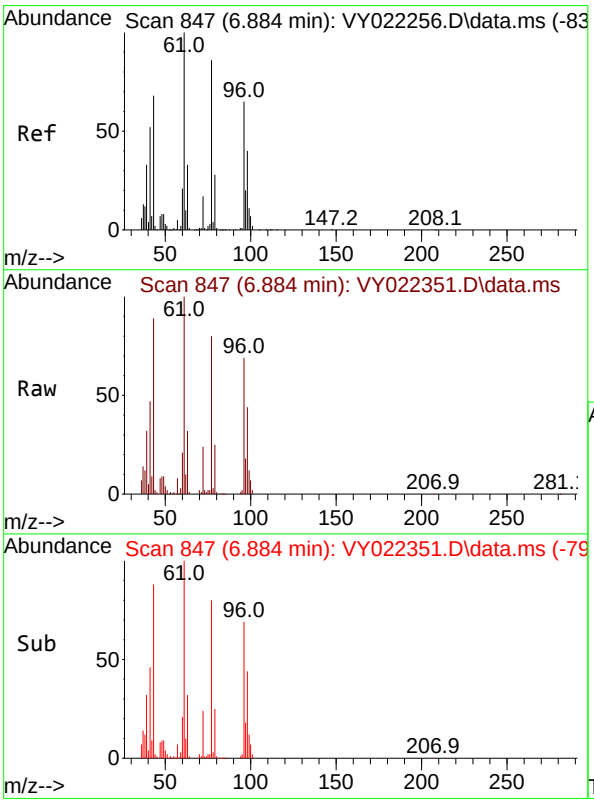
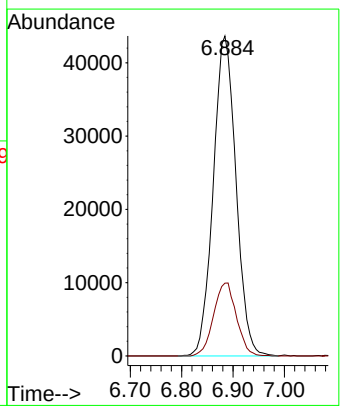


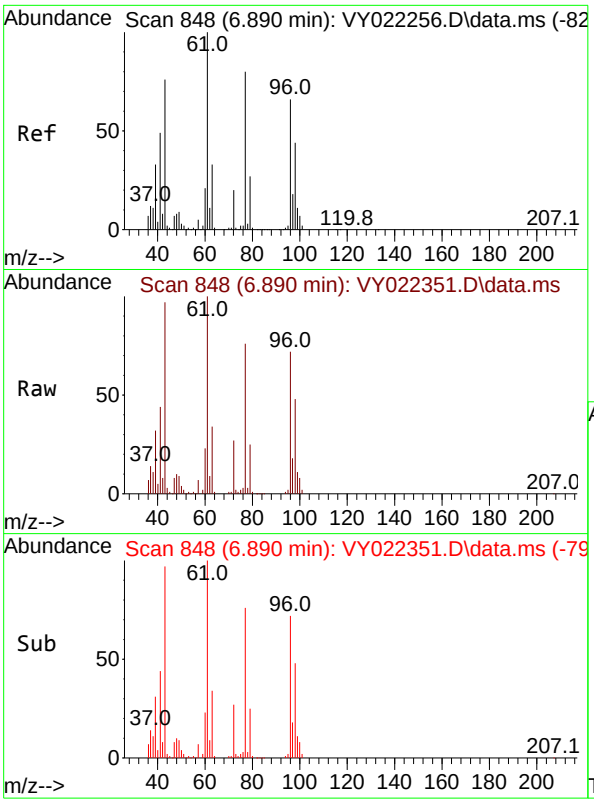


#26
2,2-Dichloropropane
Concen: 57.834 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 77 Resp: 134022

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.2	33.5





#27
cis-1,2-Dichloroethene
Concen: 68.542 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 96 Resp: 10995

Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	302.6
98	63.4	0.0	128.8

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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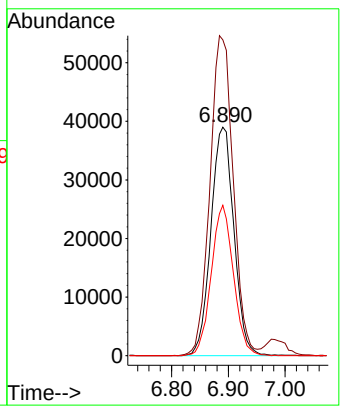
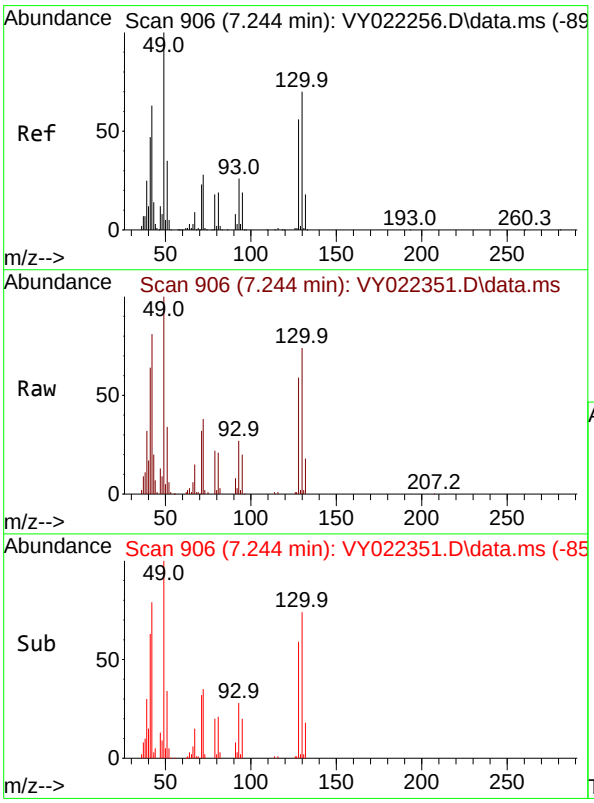
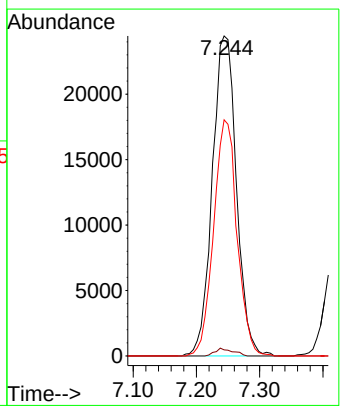


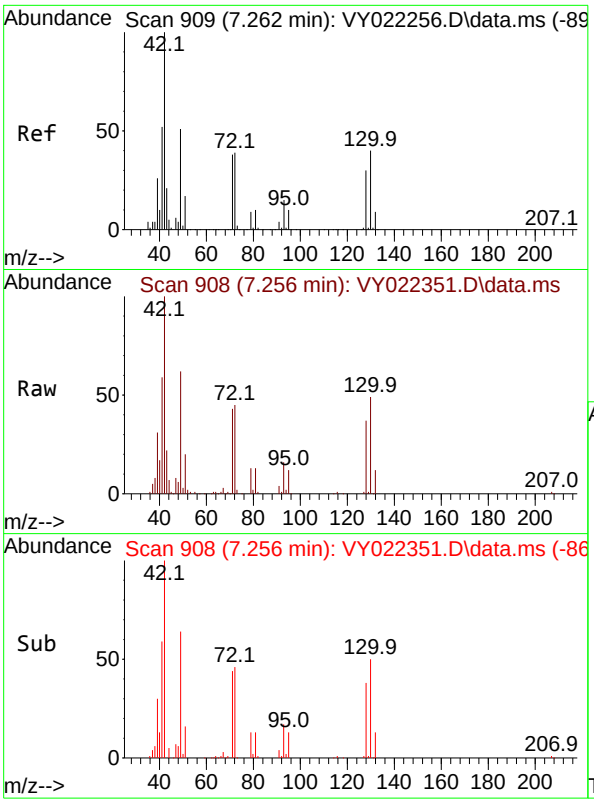


#28
Bromochloromethane
Concen: 58.214 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 49 Resp: 64696

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.6	54.7	82.1





#29
Tetrahydrofuran
Concen: 338.510 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 42 Resp: 8789

Ion	Ratio	Lower	Upper
42	100		
72	47.7	33.8	50.6
71	43.5	31.5	47.3

Instrument :
MSVOA_Y
ClientSampleId :
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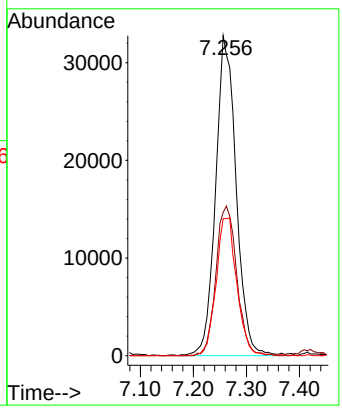
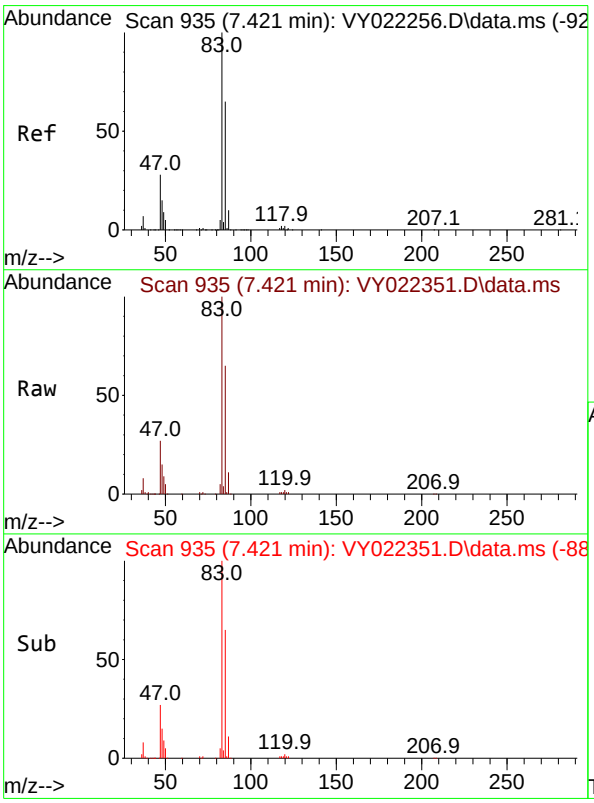
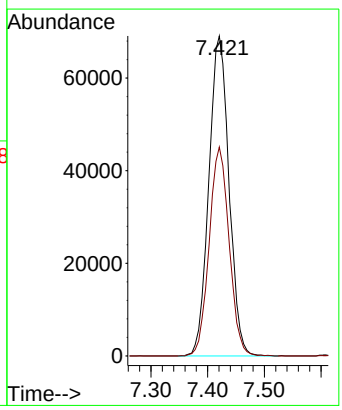


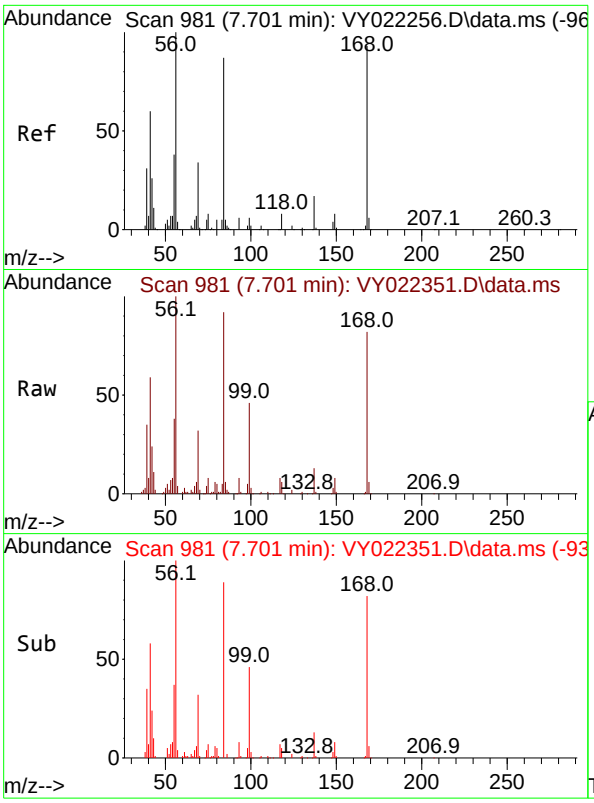


#30
Chloroform
Concen: 68.085 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 83 Resp: 170151

Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





#31
Cyclohexane
Concen: 56.944 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 56 Resp: 14823

Ion	Ratio	Lower	Upper
56	100		
69	31.5	27.4	41.2
84	90.3	70.0	105.0

Instrument :
MSVOA_Y
ClientSampleId :
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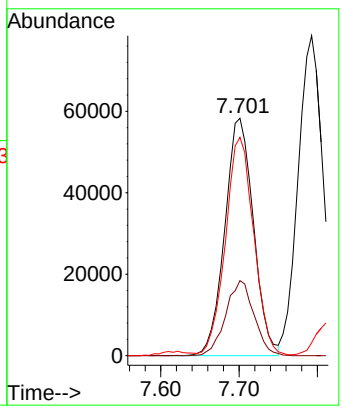
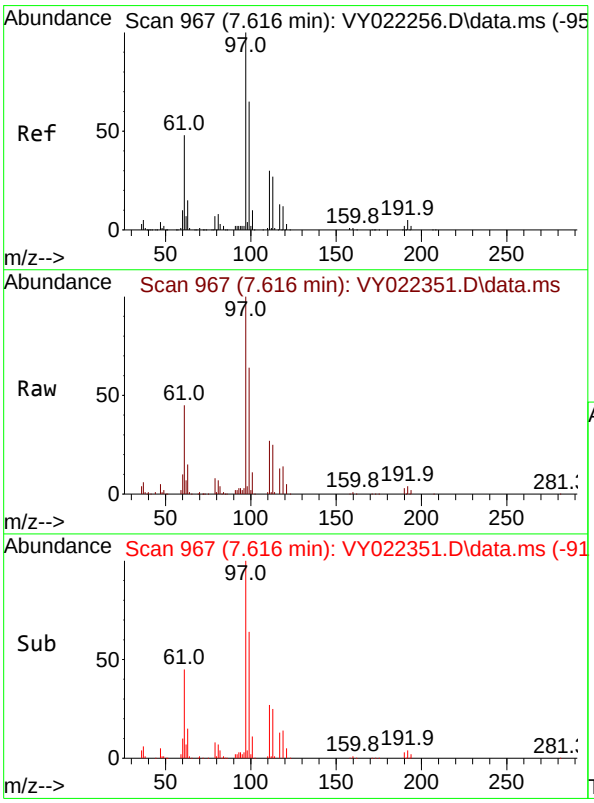
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

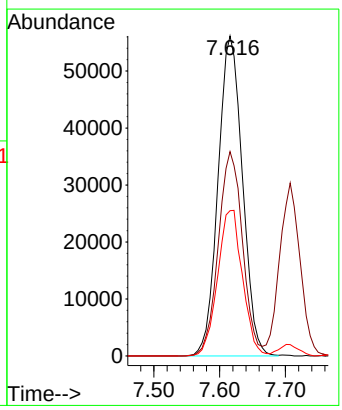


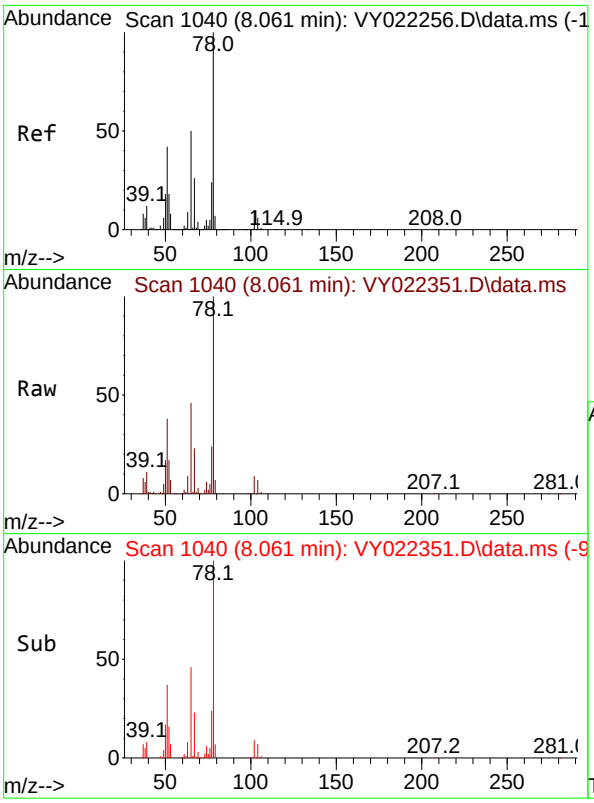


#32
1,1,1-Trichloroethane
Concen: 63.206 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 97 Resp: 144918

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	46.5	38.1	57.1

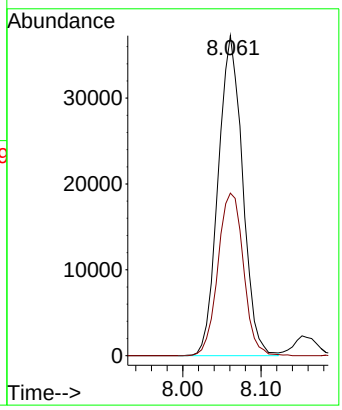




#33
1,2-Dichloroethane-d4
Concen: 62.714 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 65 Resp: 8070

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.6



Instrument :
MSVOA_Y
ClientSampleId :
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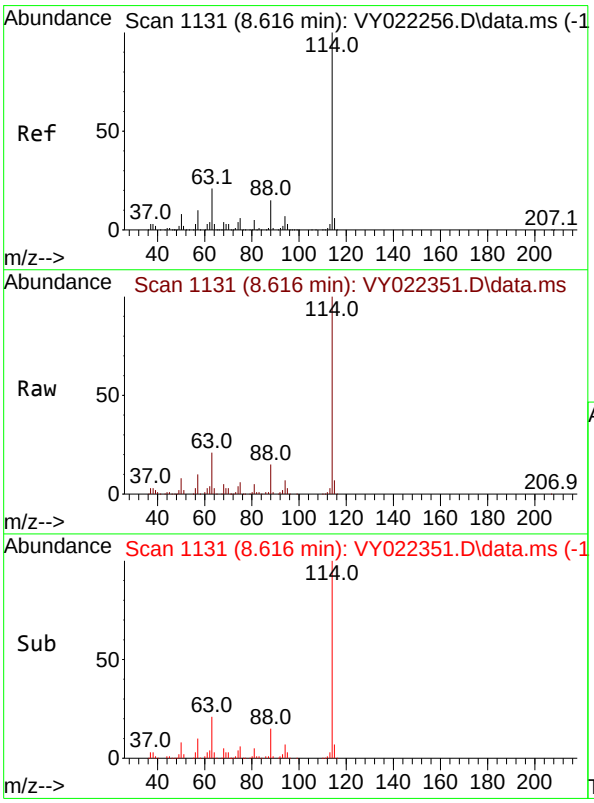
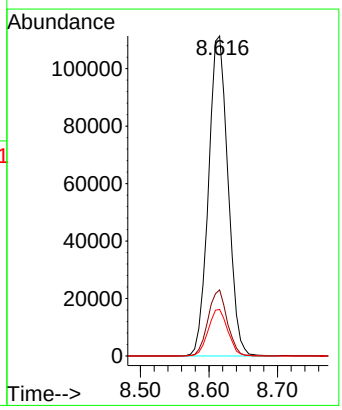
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

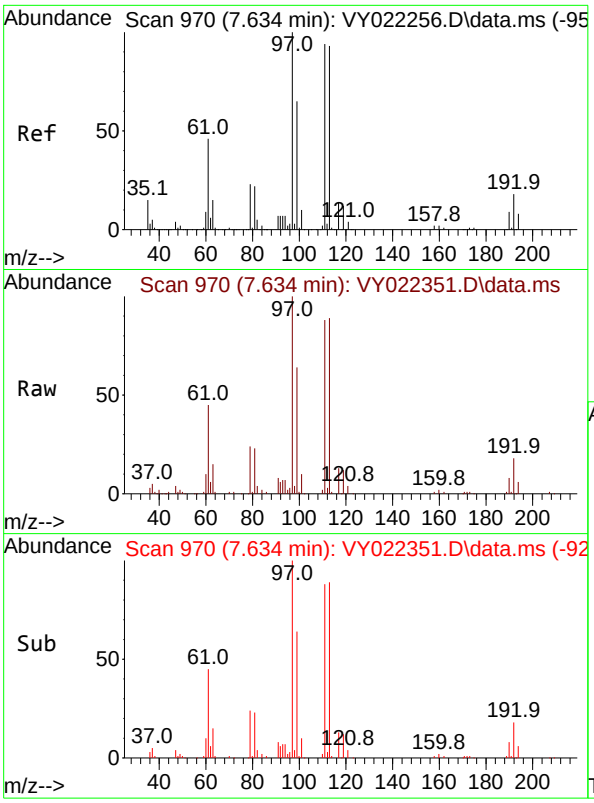


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:114 Resp: 220285

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.0
88	14.5	0.0	29.4





#35
Dibromofluoromethane
Concen: 51.299 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:113 Resp: 6744

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	19.1	15.2	22.8

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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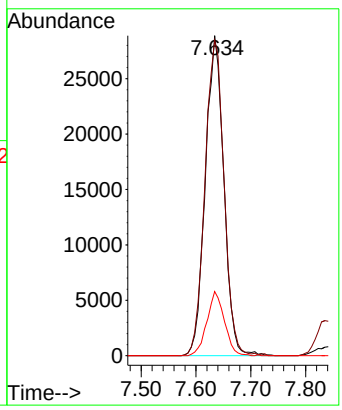
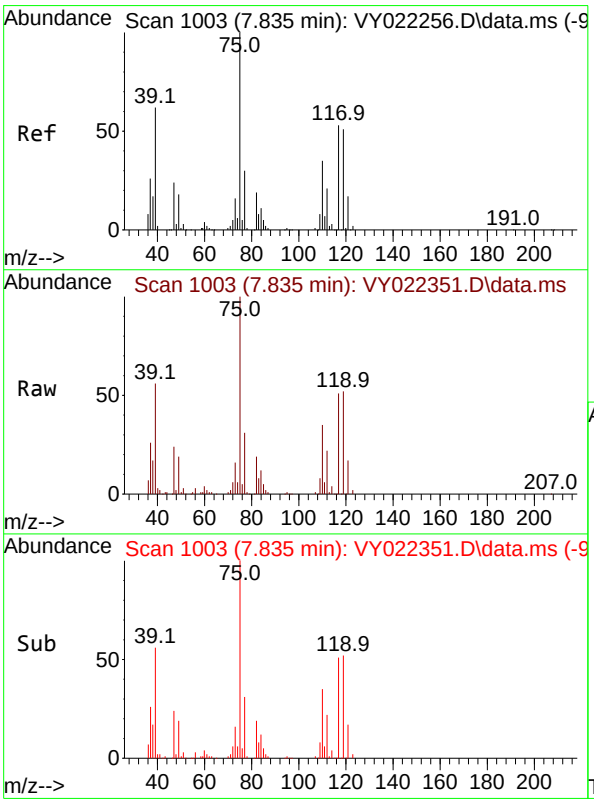
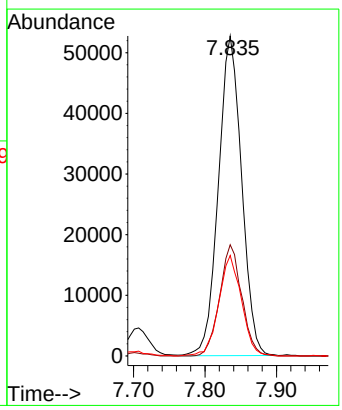


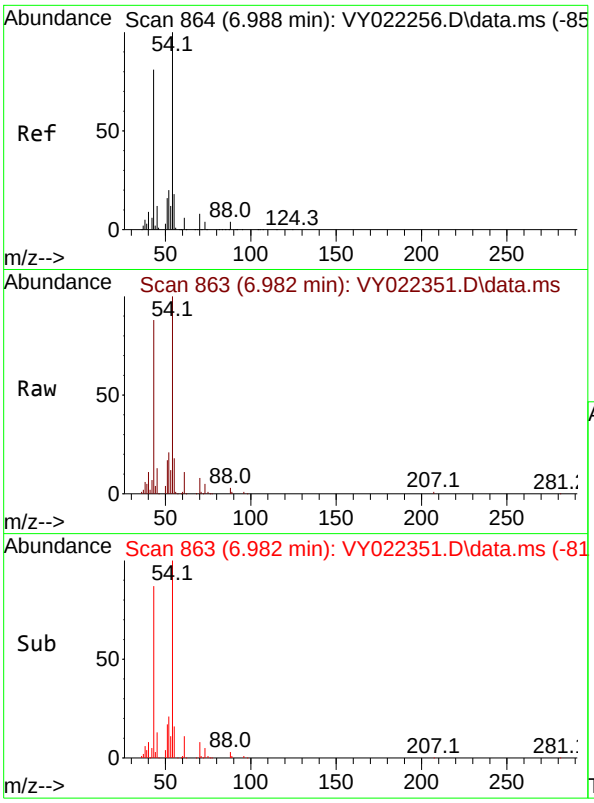


#36
1,1-Dichloropropene
Concen: 54.915 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 75 Resp: 118925

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.8
77	30.7	24.6	37.0





#37
Ethyl Acetate
Concen: 52.521 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 5472

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.2
70	9.1	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
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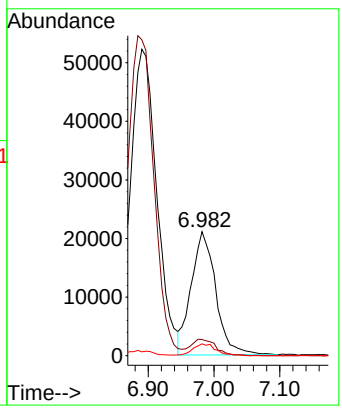
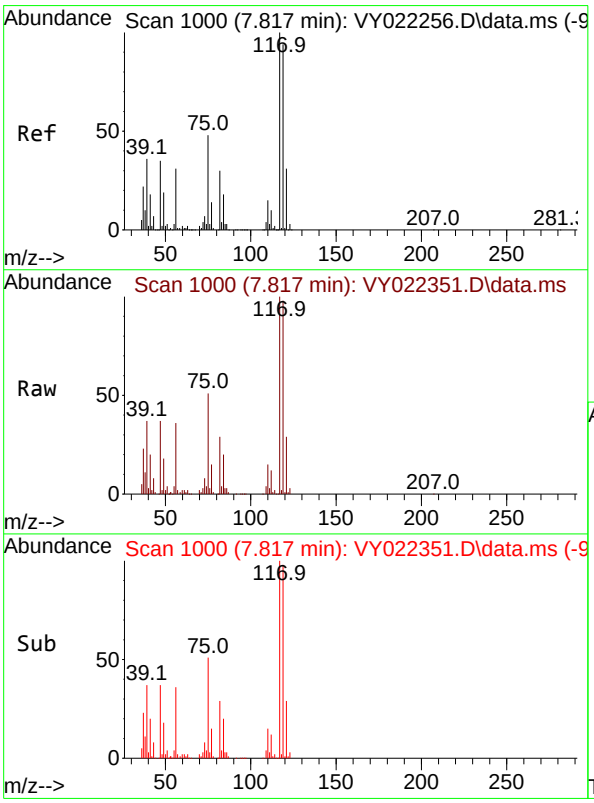
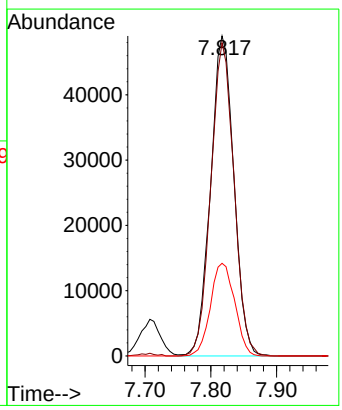


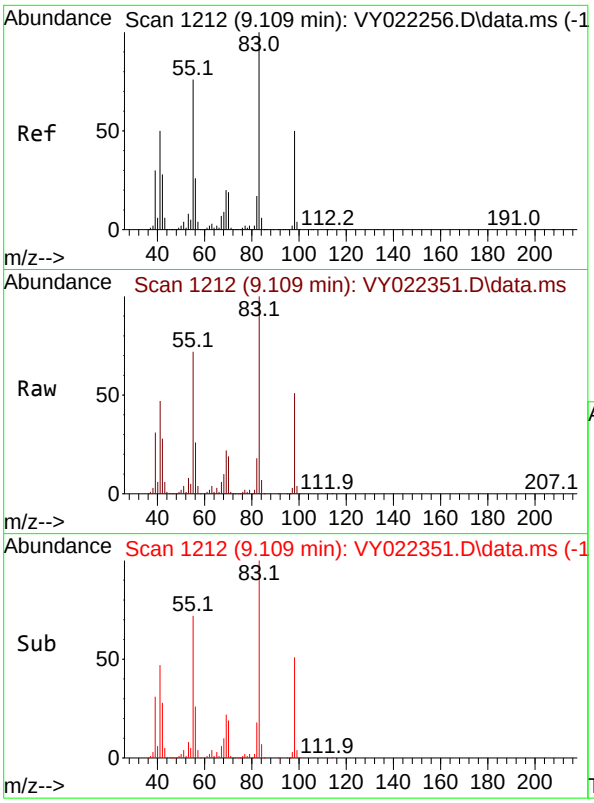


#38
Carbon Tetrachloride
Concen: 53.878 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:117 Resp: 120777

Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.3	112.9
121	28.9	24.7	37.1





#39
Methylcyclohexane
Concen: 54.197 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 83 Resp: 15768

Ion	Ratio	Lower	Upper
83	100		
55	72.0	60.6	90.8
98	51.1	40.0	60.0

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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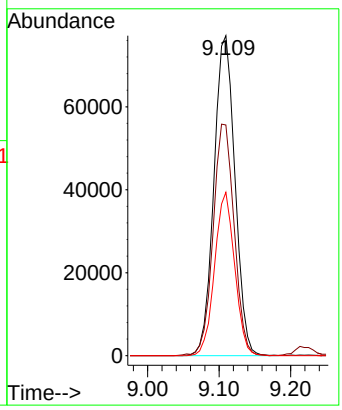
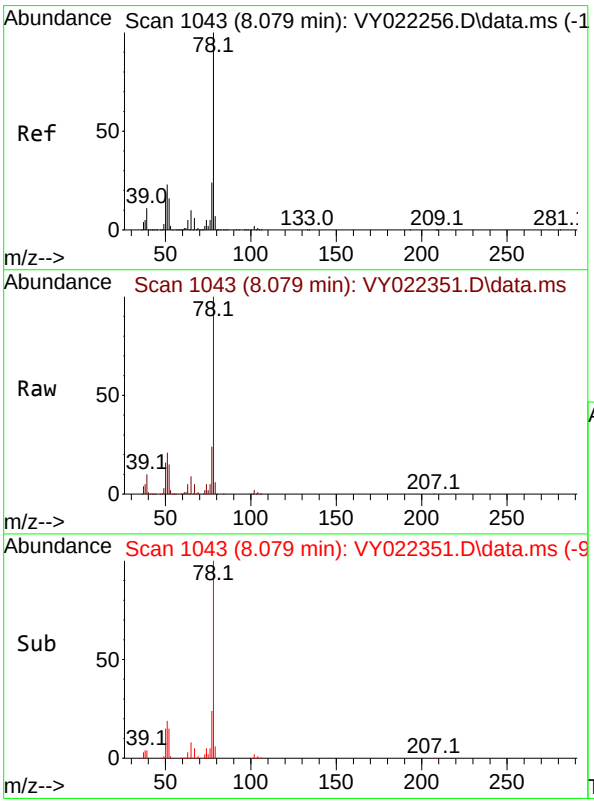
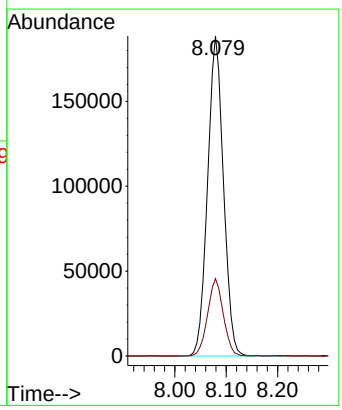


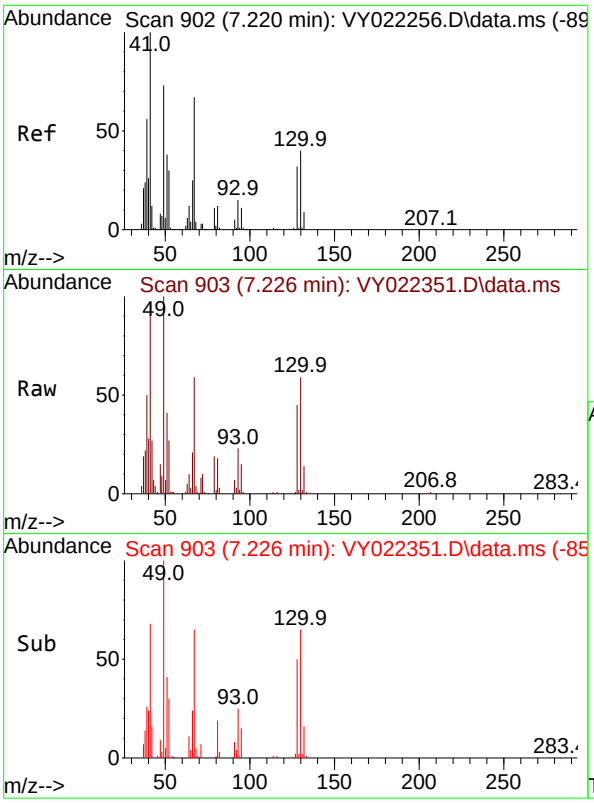


#40
Benzene
Concen: 62.767 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 78 Resp: 402961

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3

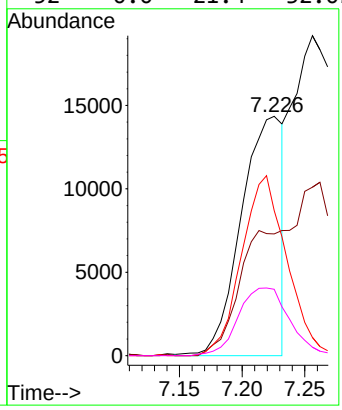




#41
Methacrylonitrile
Concen: 48.036 ug/l m
RT: 7.226 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 41 Resp: 3320

Ion	Ratio	Lower	Upper
41	100		
39	139.0	39.1	58.7#
67	0.0	47.1	70.7#
52	0.0	21.4	32.0#



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
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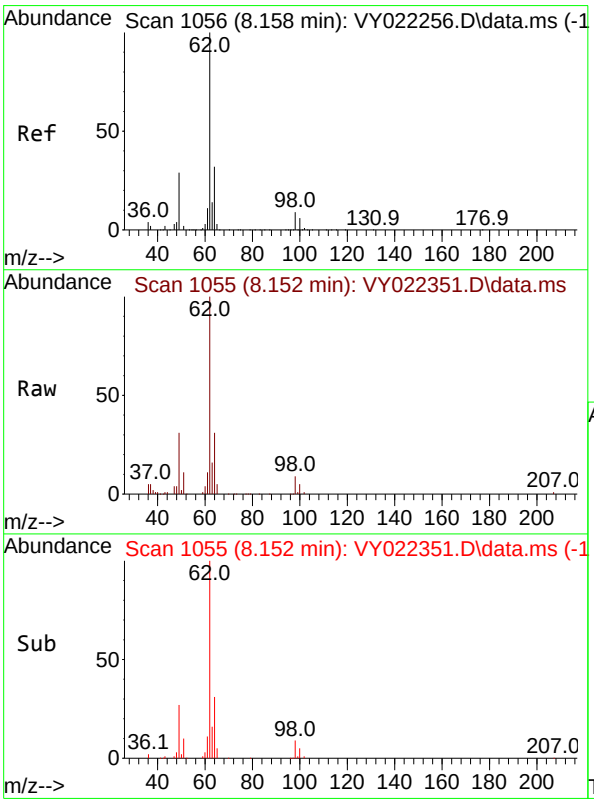
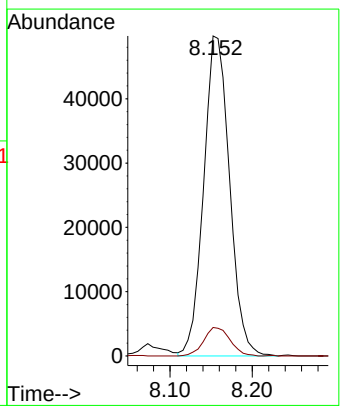
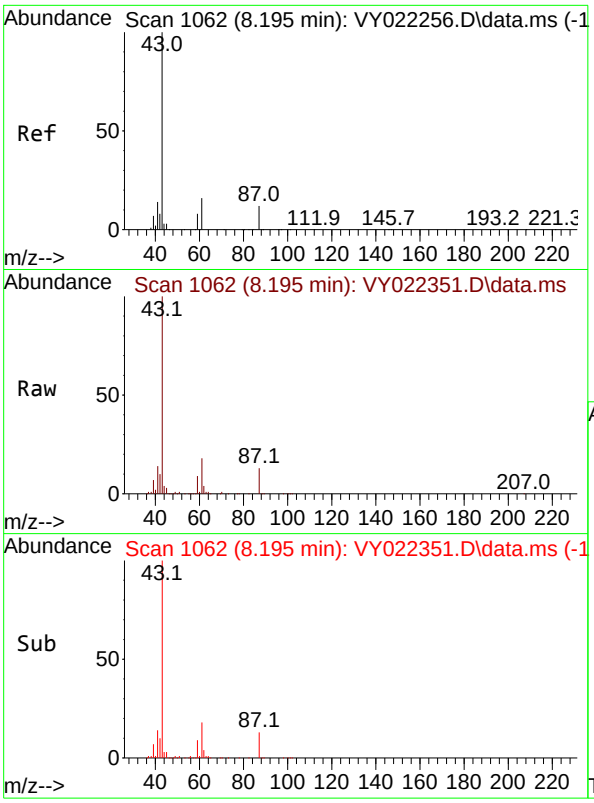


#42
1,2-Dichloroethane
Concen: 62.721 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 62 Resp: 108892

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4

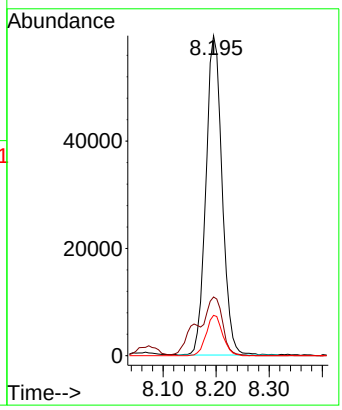




#43
Isopropyl Acetate
Concen: 55.601 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 12635

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.1	22.7
87	12.8	9.7	14.5



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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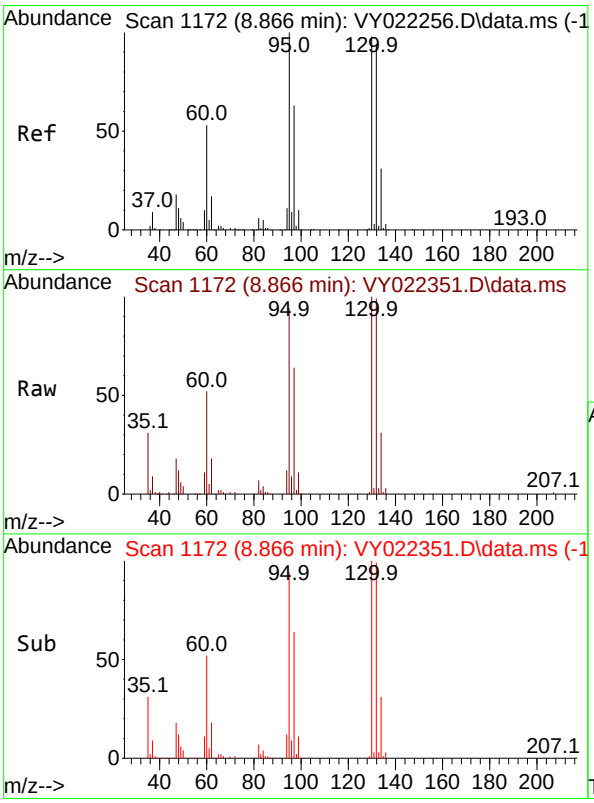
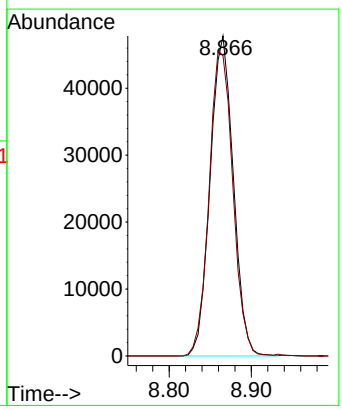
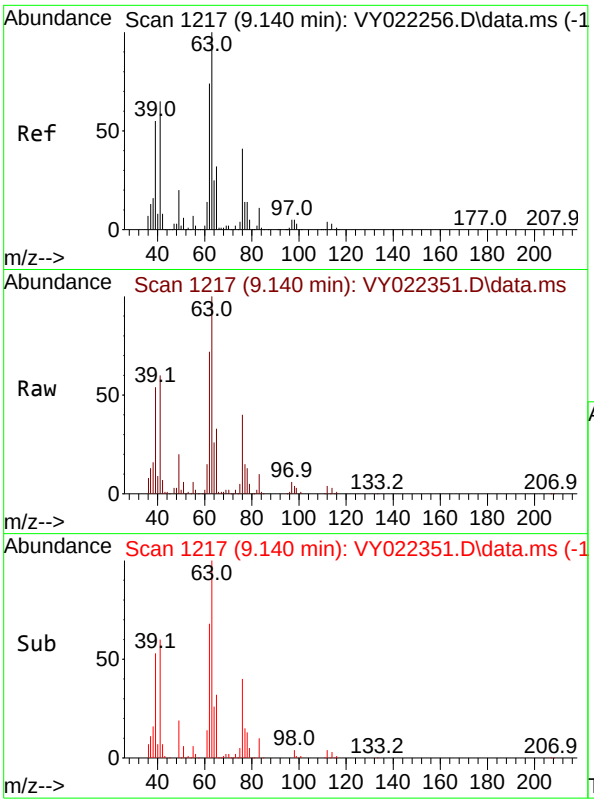


#44
Trichloroethene
Concen: 58.482 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:130 Resp: 93355

Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	204.8





#45
1,2-Dichloropropane
Concen: 59.576 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 63 Resp: 9221

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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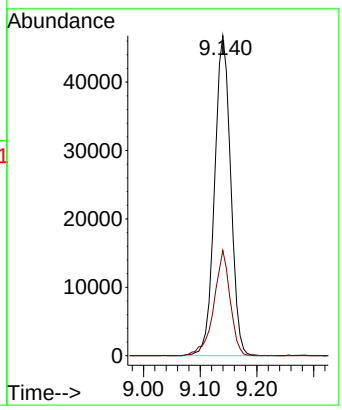
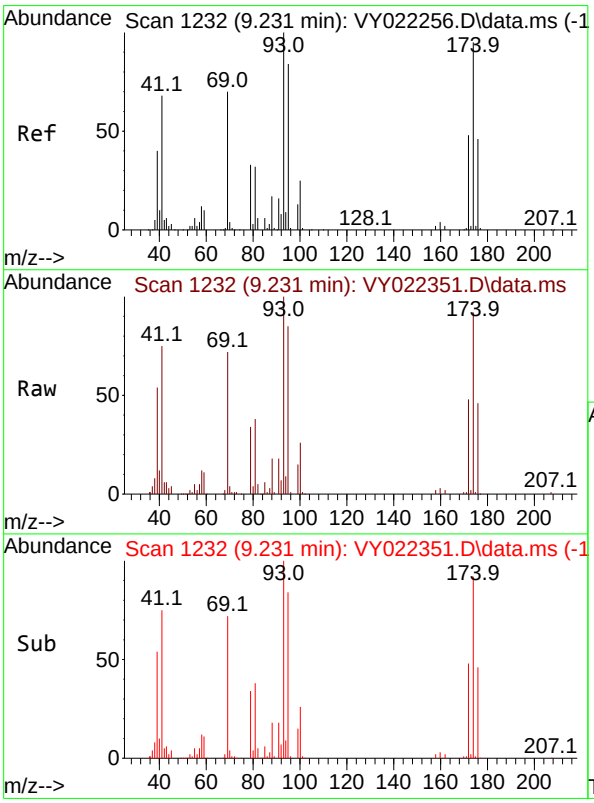
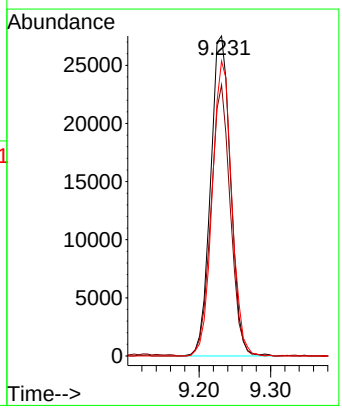


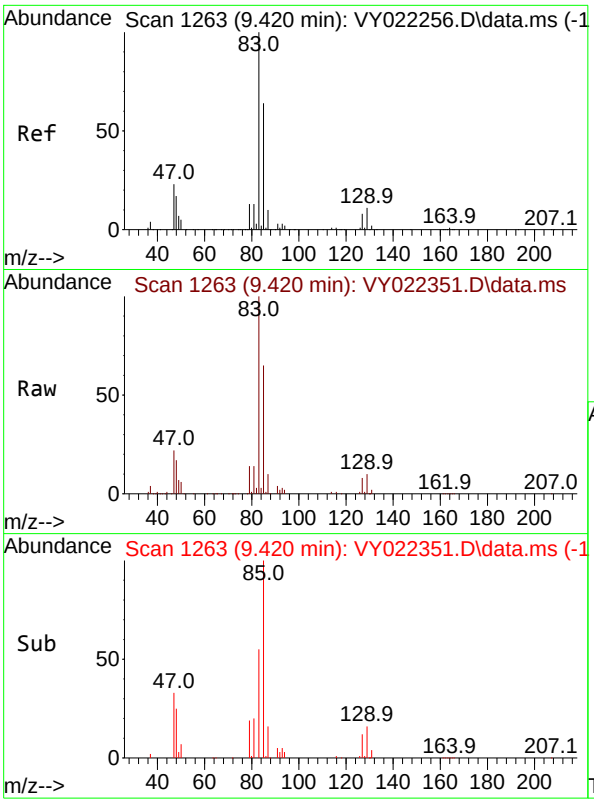


#46
Dibromomethane
Concen: 64.149 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 93 Resp: 53553

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.2	97.8
174	89.6	74.3	111.5

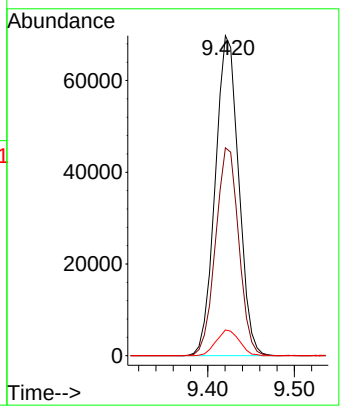




#47
Bromodichloromethane
Concen: 60.501 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 83 Resp: 13102

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	8.0	6.6	10.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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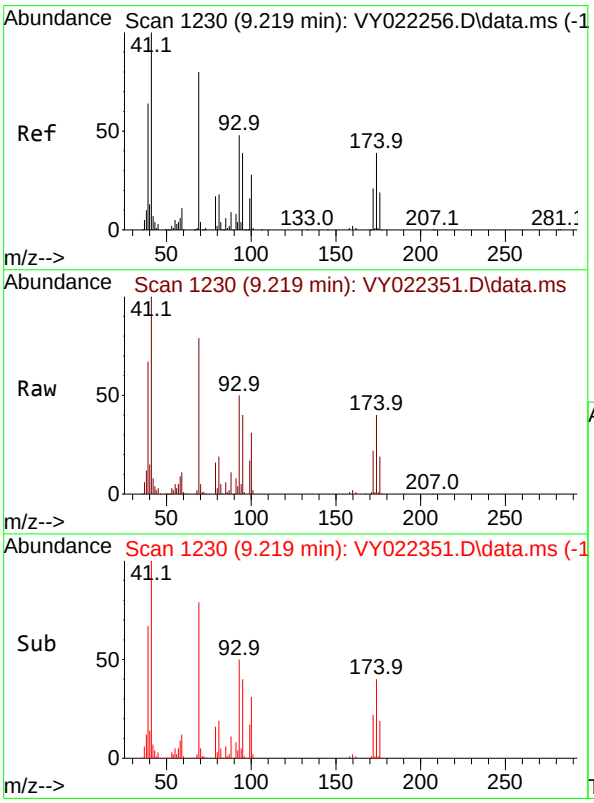
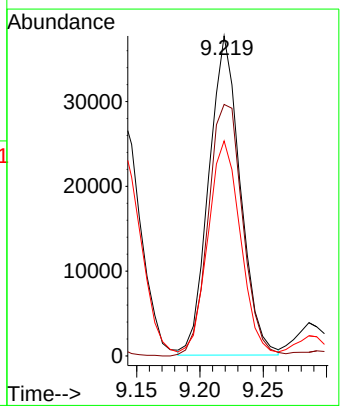
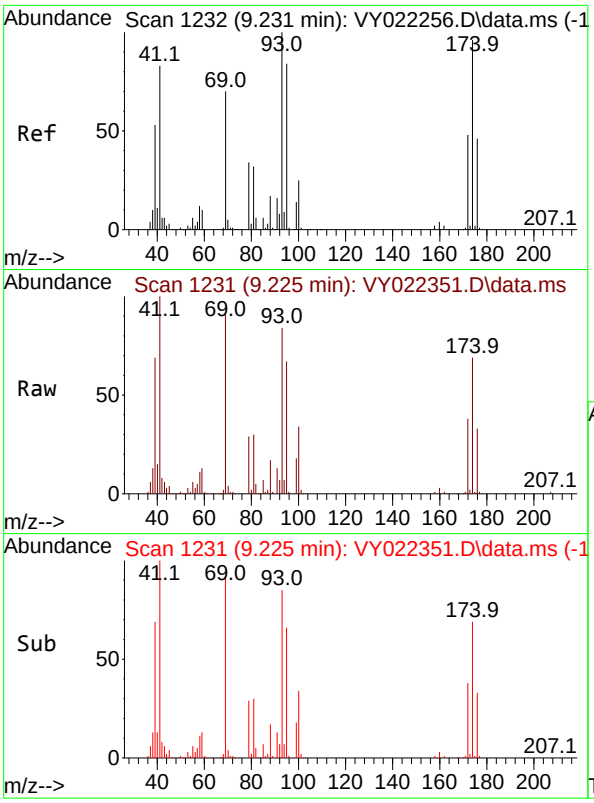


#48
Methyl methacrylate
Concen: 61.301 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 41 Resp: 65146

Ion	Ratio	Lower	Upper
41	100		
69	86.3	63.5	95.3
39	67.3	50.8	76.2





#49
1,4-Dioxane
Concen: 1306.545 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 88 Resp: 1232

Ion	Ratio	Lower	Upper
88	100		
43	28.4	28.5	42.7#
58	71.4	61.4	92.2

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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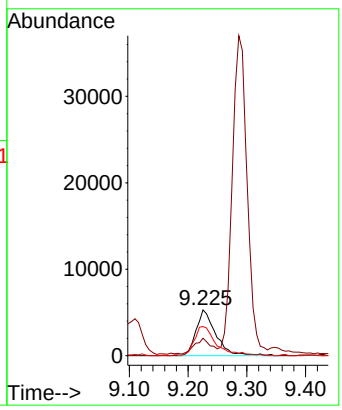
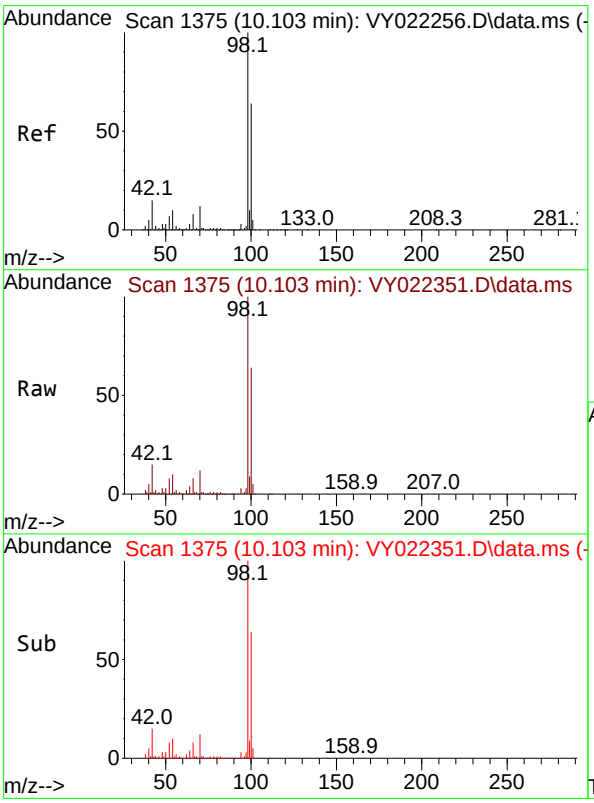
Supervised By :Semsettin Yesilyurt 05/21/2025

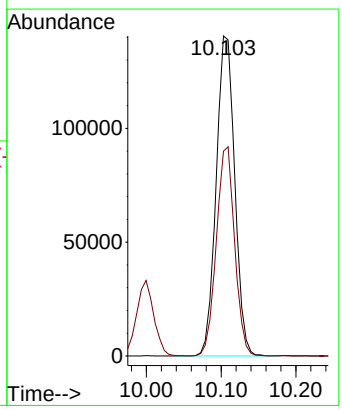


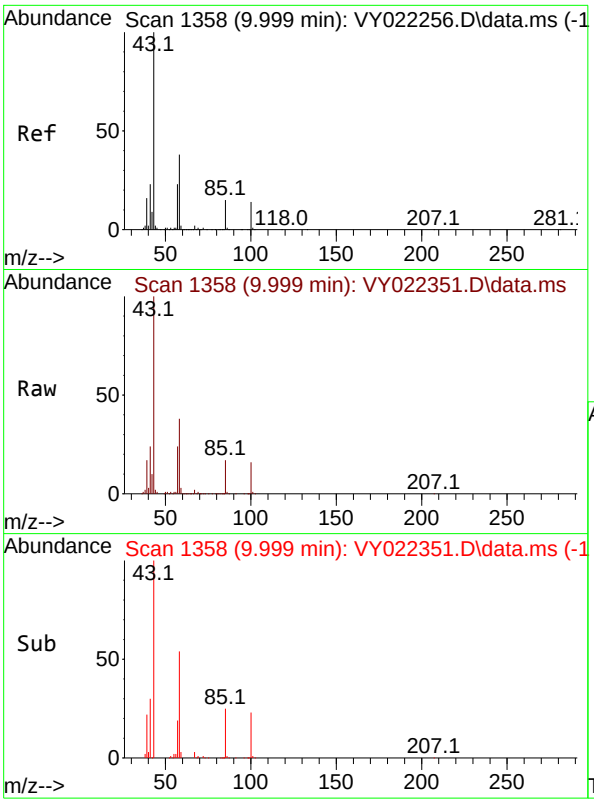


#50
Toluene-d8
Concen: 45.135 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 98 Resp: 243044

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.8	77.8

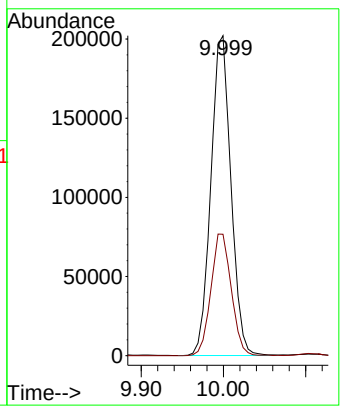




#51
4-Methyl-2-Pentanone
Concen: 307.999 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 34342

Ion	Ratio	Lower	Upper
43	100		
58	38.7	29.4	44.2



Instrument :
MSVOA_Y
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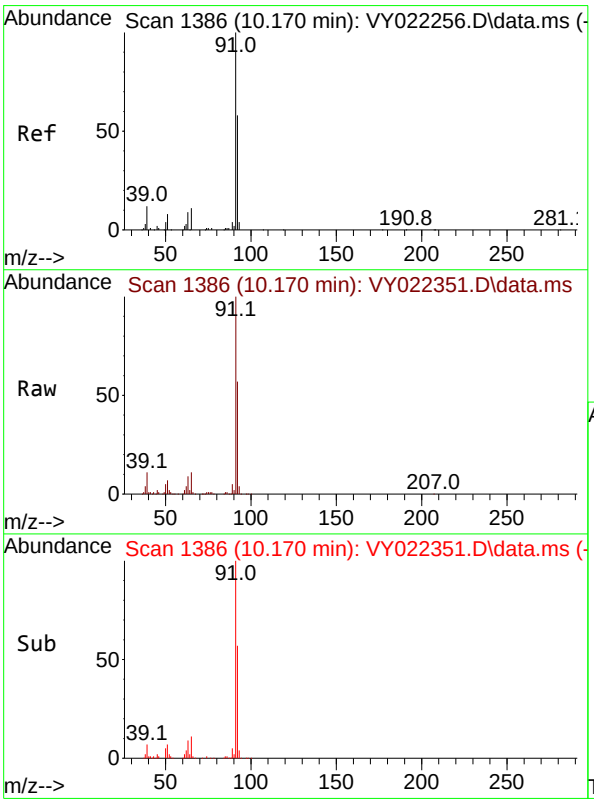
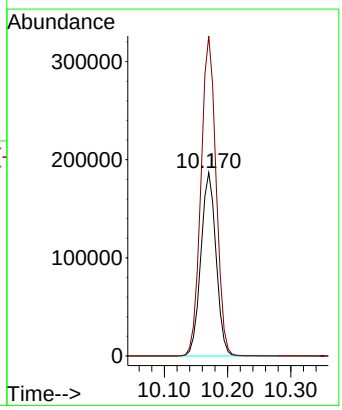
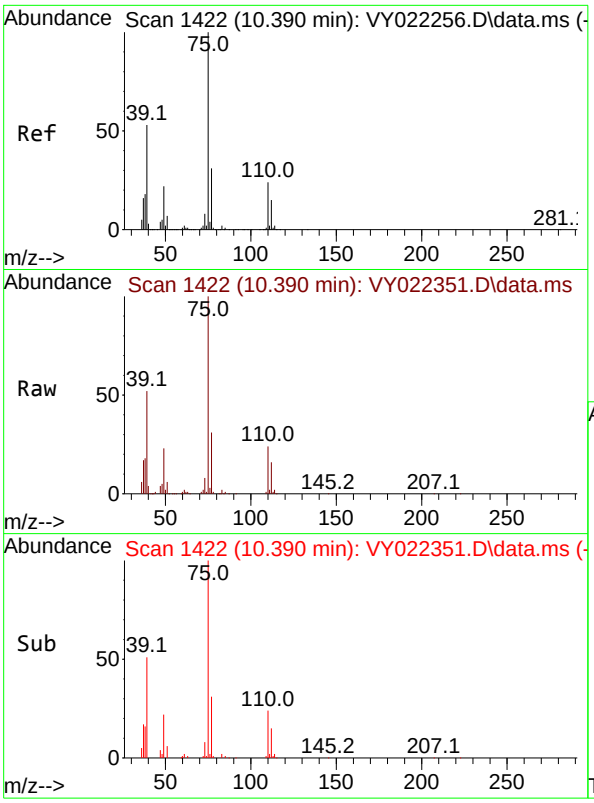


#52
Toluene
Concen: 76.740 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 92 Resp: 311976

Ion	Ratio	Lower	Upper
92	100		
91	174.4	139.1	208.7

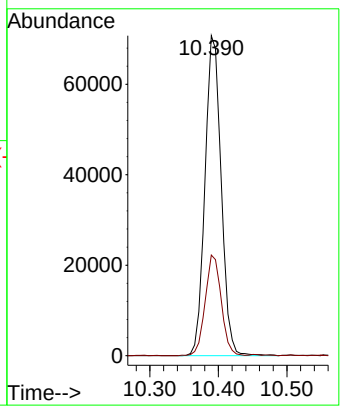




#53
t-1,3-Dichloropropene
Concen: 55.135 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 75 Resp: 11653

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
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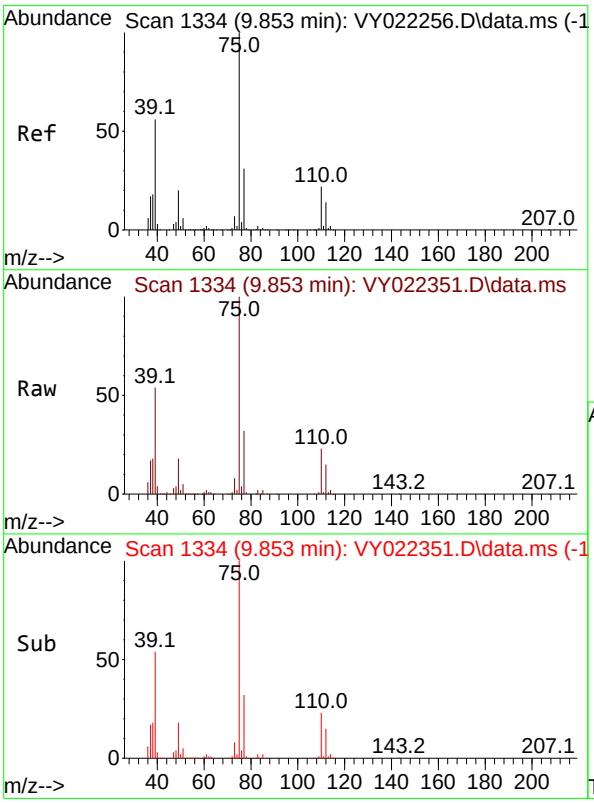
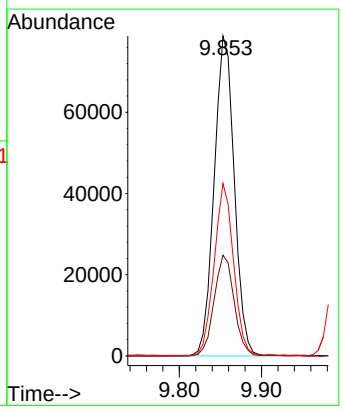
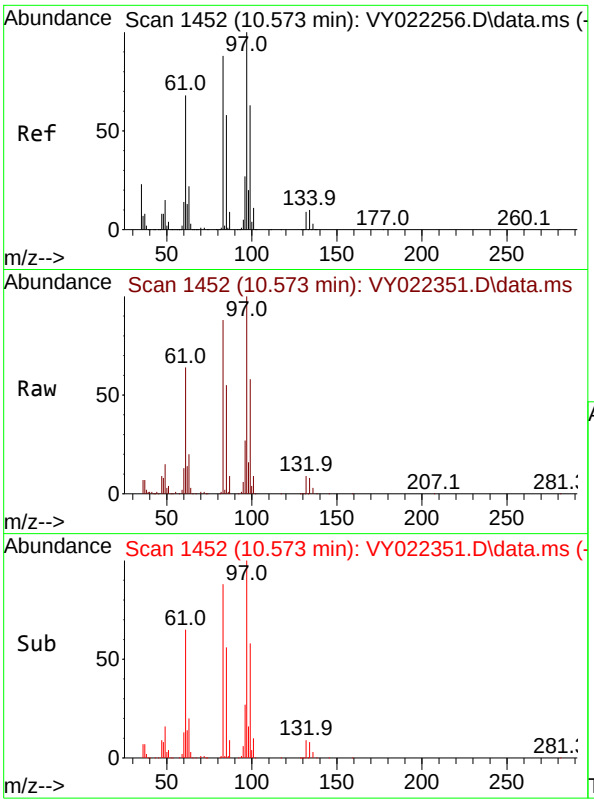


#54
cis-1,3-Dichloropropene
Concen: 55.258 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 75 Resp: 133810

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	53.8	44.5	66.7

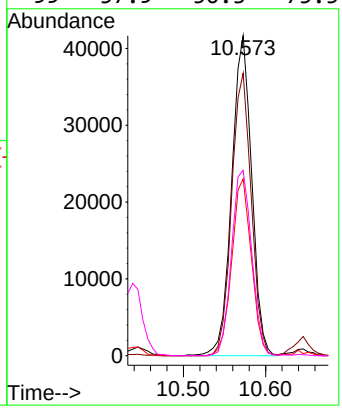




#55
1,1,2-Trichloroethane
Concen: 65.859 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 97 Resp: 7040

Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.3	105.5
85	55.3	46.2	69.4
99	57.9	50.3	75.5



Instrument :
MSVOA_Y
ClientSampleId :
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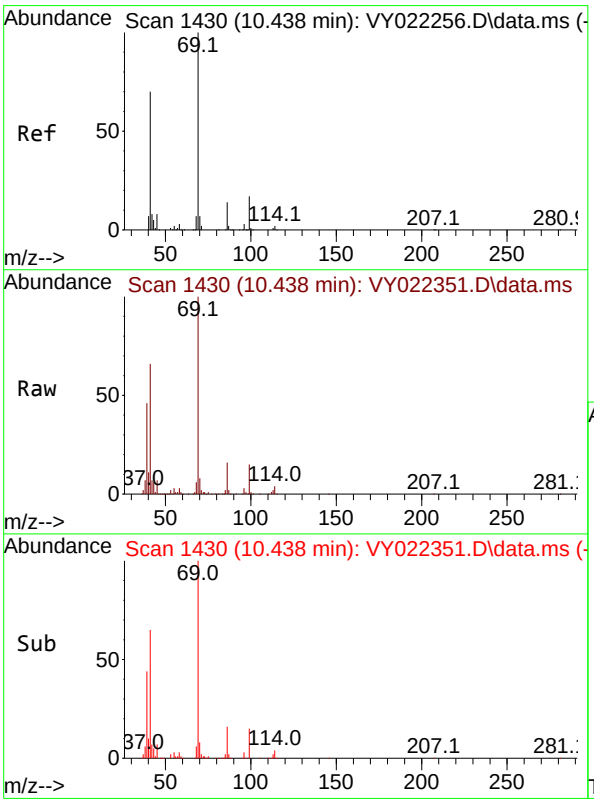
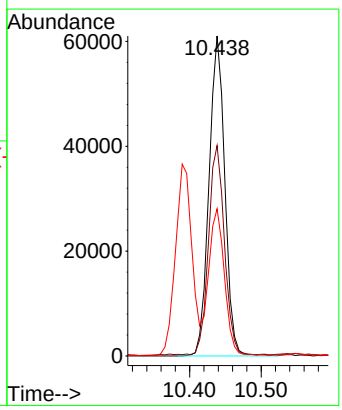
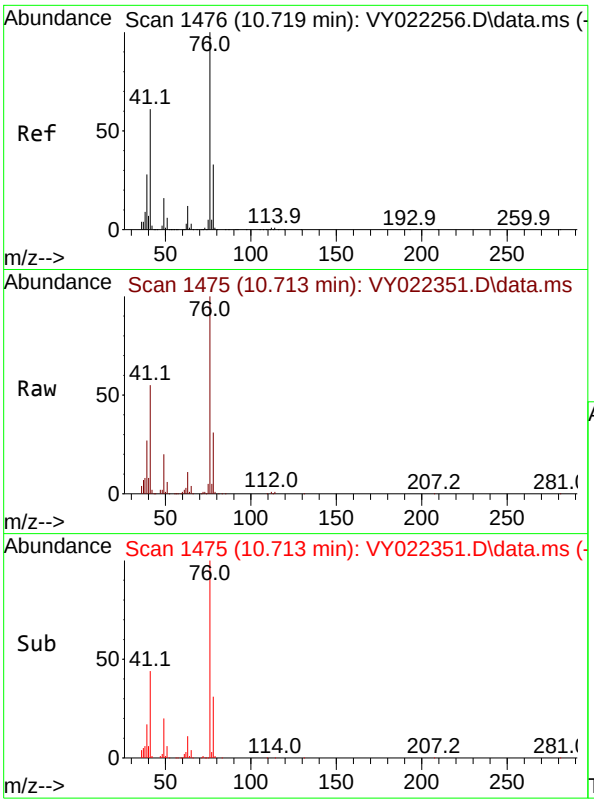


#56
Ethyl methacrylate
Concen: 56.302 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 69 Resp: 93754

Ion	Ratio	Lower	Upper
69	100		
41	65.8	56.5	84.7
39	45.7	37.1	55.7

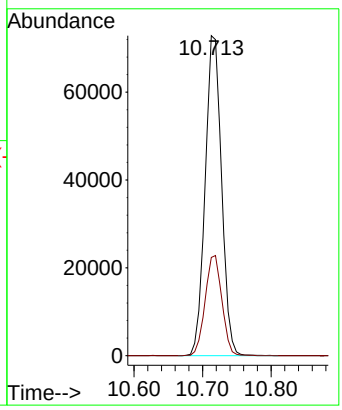




#57
1,3-Dichloropropane
Concen: 63.793 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 76 Resp: 12116

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8



Instrument :
MSVOA_Y
ClientSampleId :
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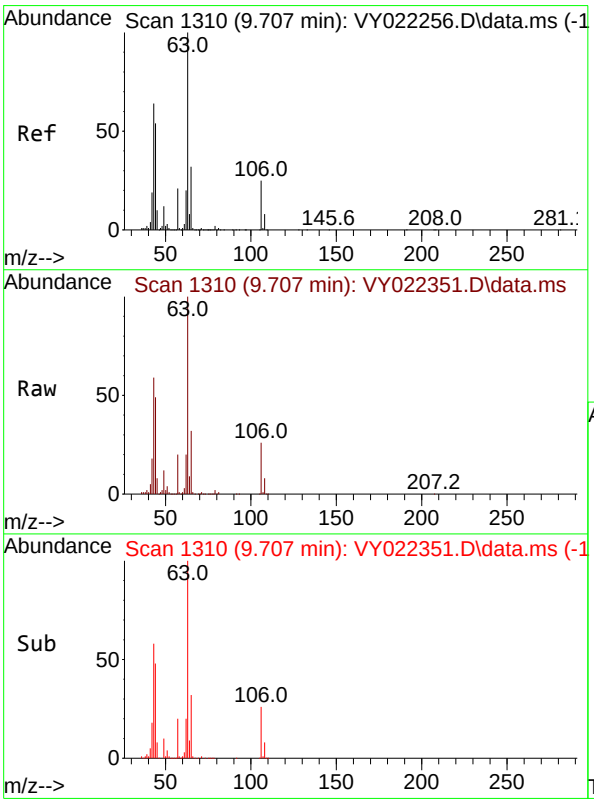
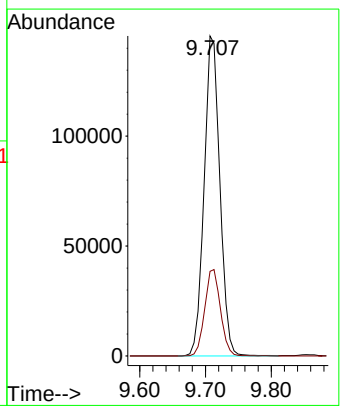
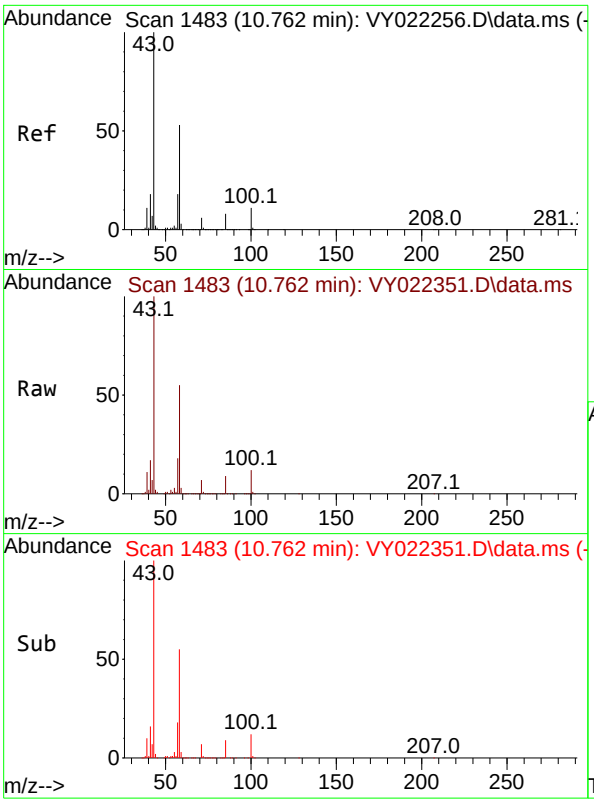


#58
2-Chloroethyl Vinyl ether
Concen: 324.368 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 63 Resp: 242440

Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.0	31.4





#59
2-Hexanone
Concen: 312.547 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 23366

Ion	Ratio	Lower	Upper
43	100		
58	54.6	26.1	78.3

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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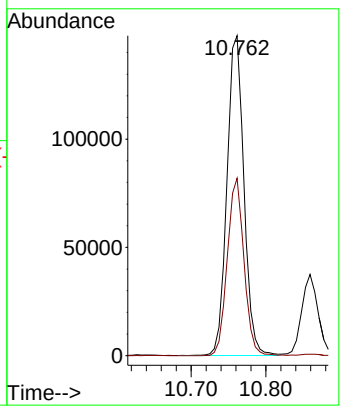
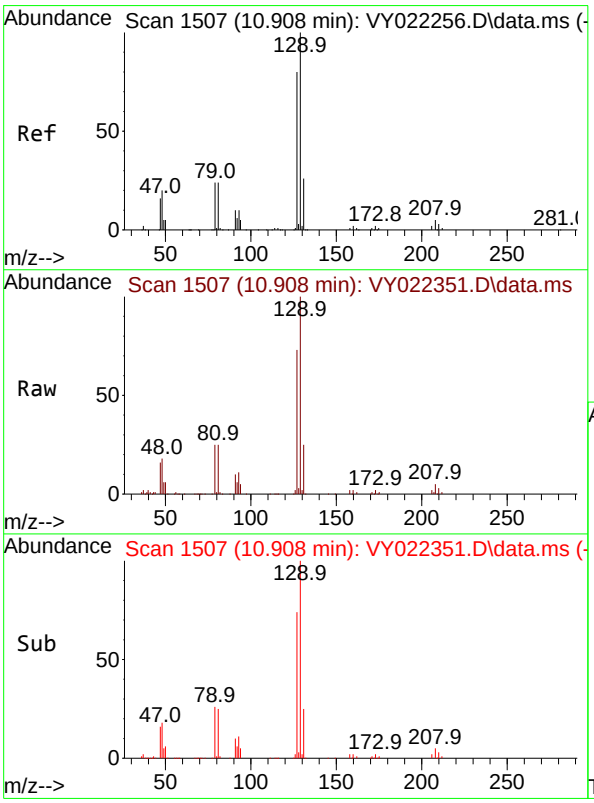
Supervised By :Semsettin Yesilyurt 05/21/2025

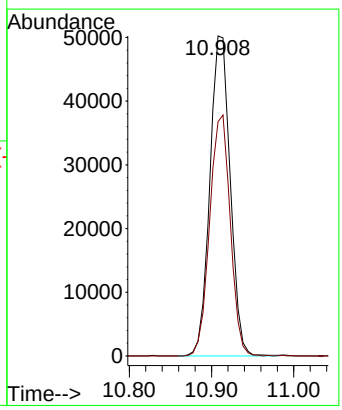


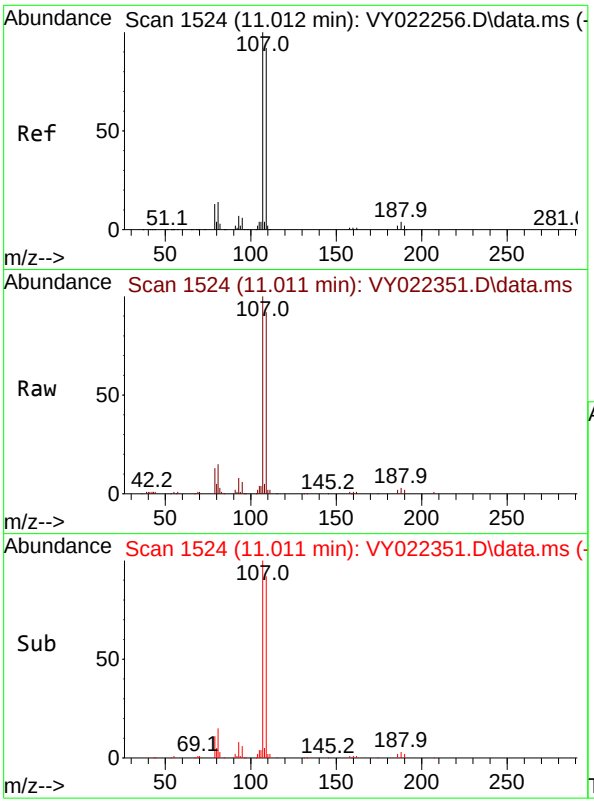


#60
Dibromochloromethane
Concen: 62.093 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:129 Resp: 86156

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.6	115.7





#61
1,2-Dibromoethane
Concen: 63.913 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:107 Resp: 6368

Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
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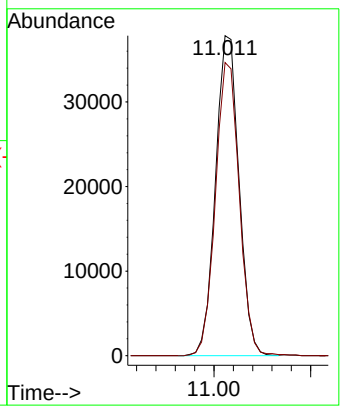
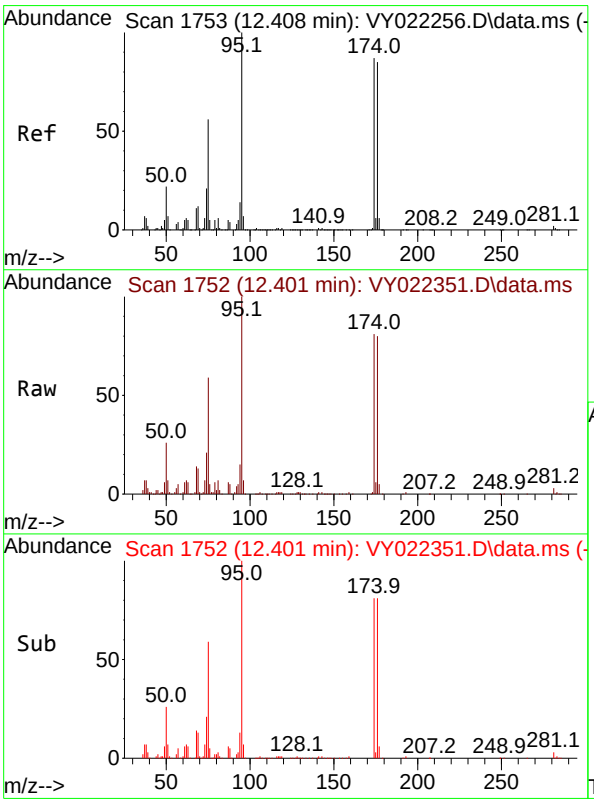
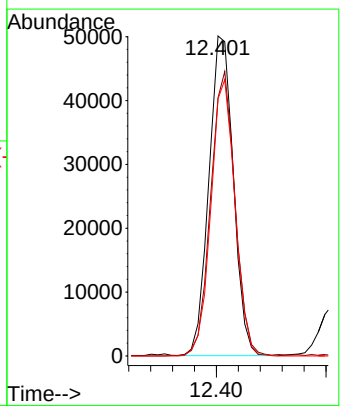


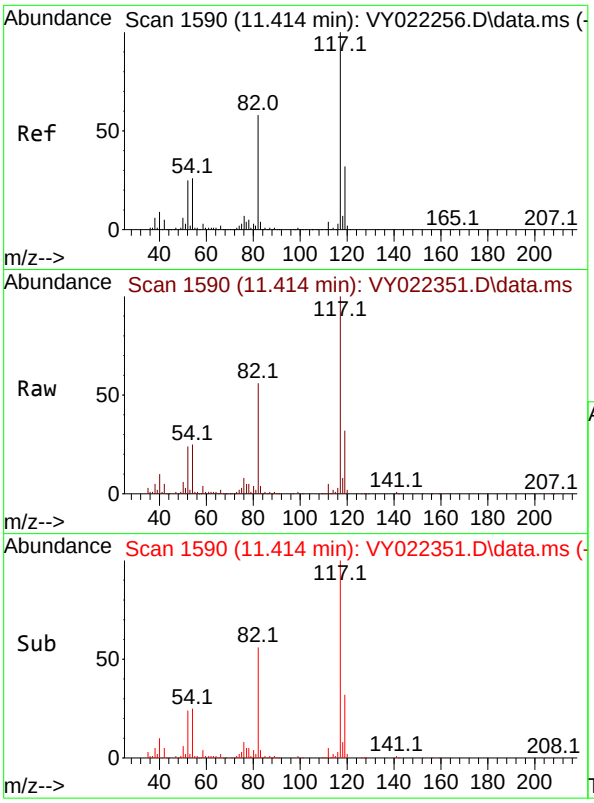


#62
4-Bromofluorobenzene
Concen: 45.444 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 95 Resp: 77563

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	166.8
176	84.9	0.0	160.8

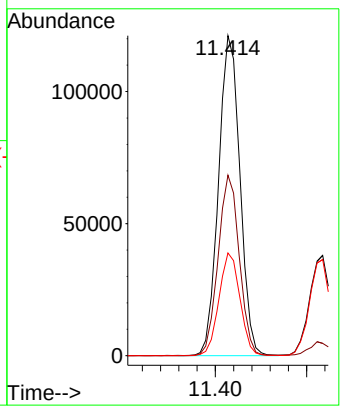




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:117 Resp: 19729

Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.6	70.0
119	32.1	25.8	38.6



Instrument :
MSVOA_Y
ClientSampleId :
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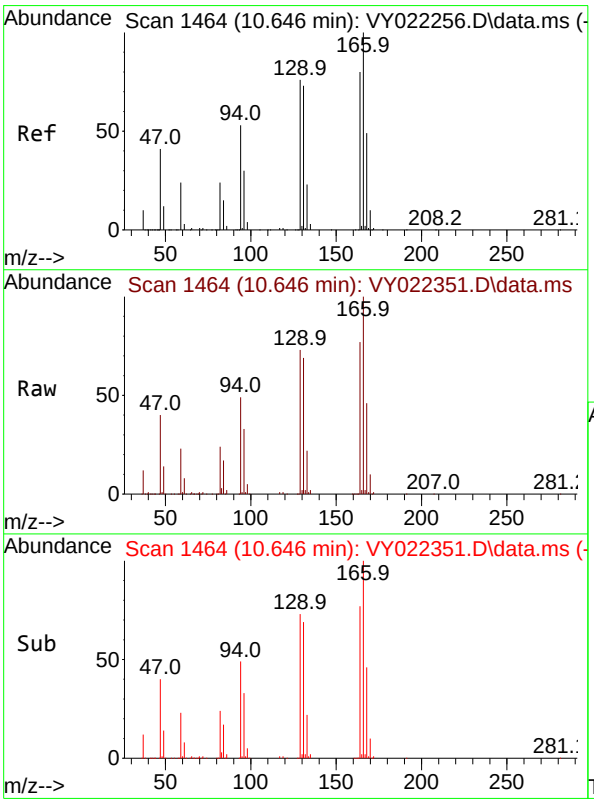
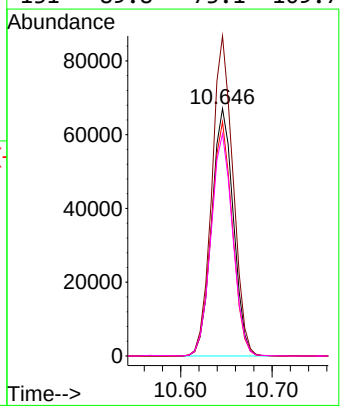
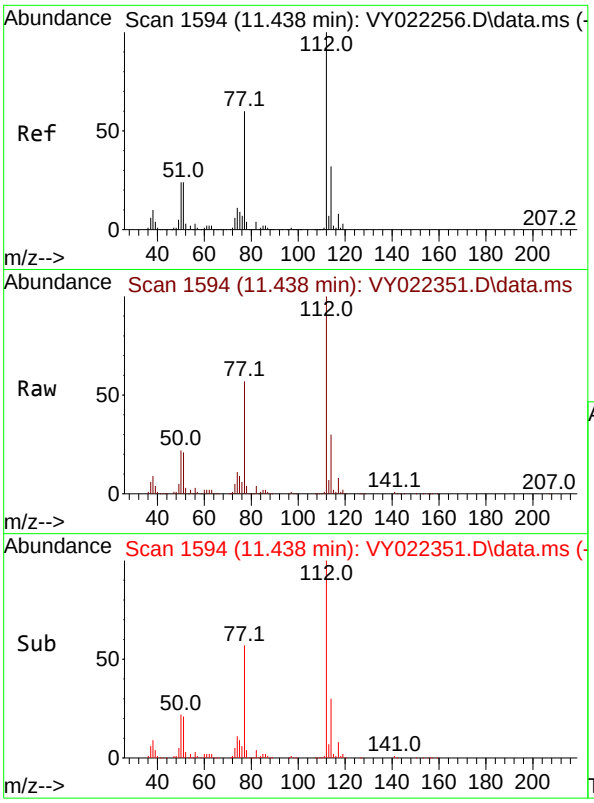


#64
Tetrachloroethene
Concen: 60.588 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:164 Resp: 110490

Ion	Ratio	Lower	Upper
164	100		
166	129.4	100.4	150.6
129	94.7	76.4	114.6
131	89.8	73.1	109.7

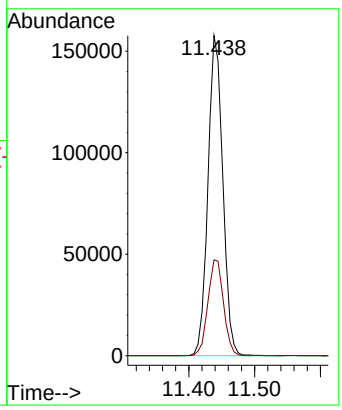




#65
Chlorobenzene
Concen: 55.496 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:112 Resp: 24702

Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.8	38.6



Instrument :
MSVOA_Y
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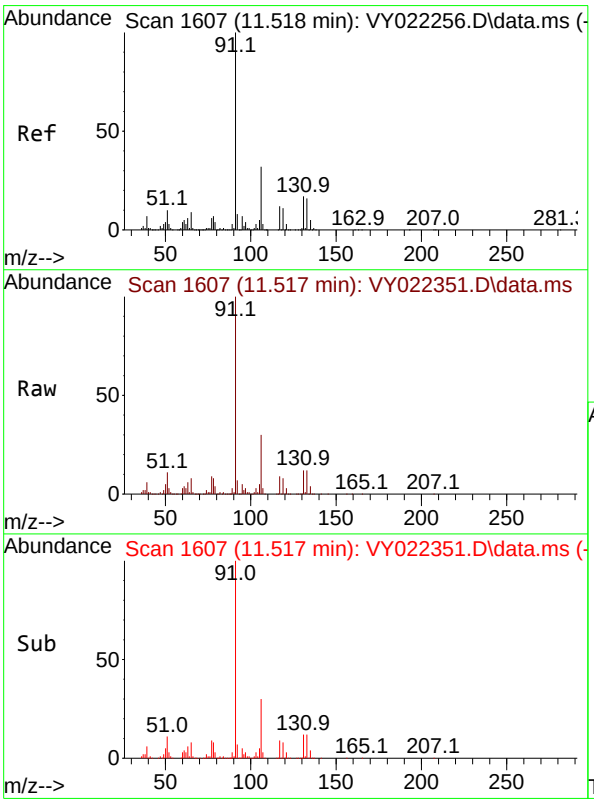
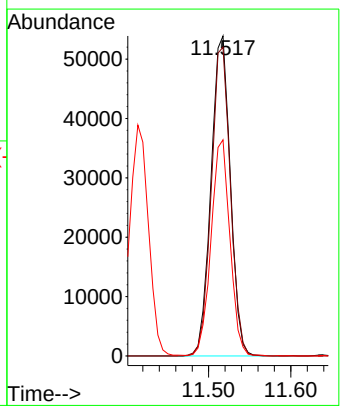
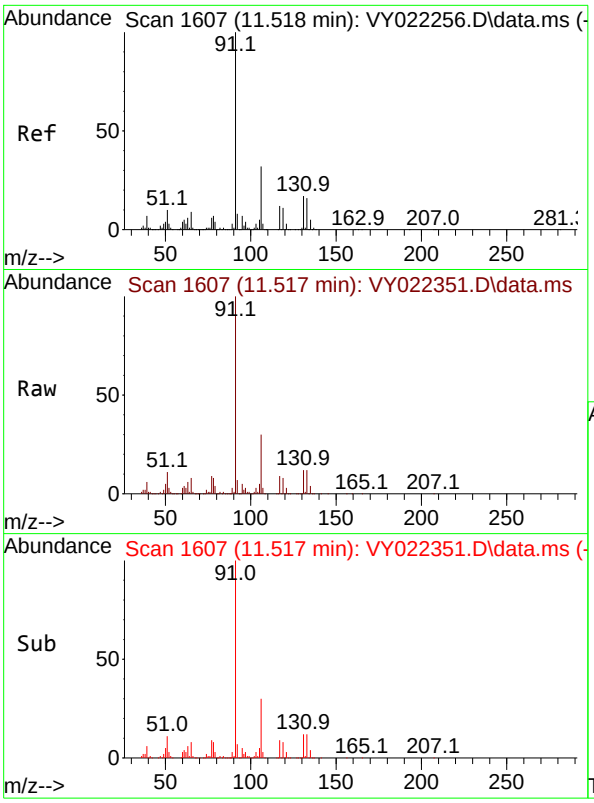


#66
1,1,1,2-Tetrachloroethane
Concen: 57.426 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:131 Resp: 87876

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.3	141.9
119	66.2	33.1	99.2

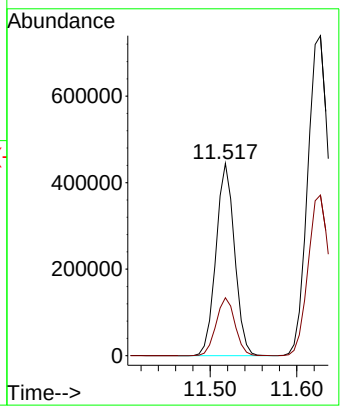




#67
Ethyl Benzene
Concen: 79.472 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 91 Resp: 66249

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.4	38.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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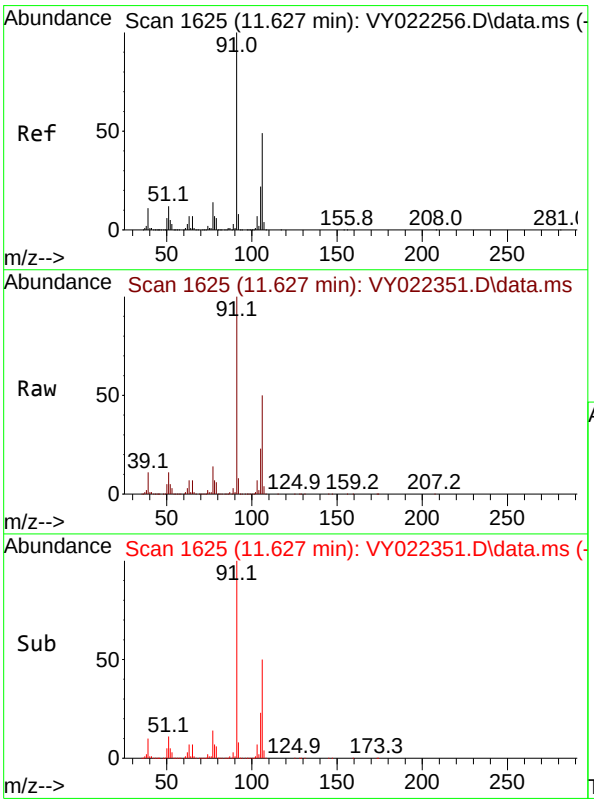
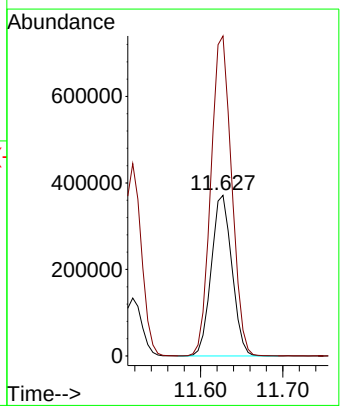
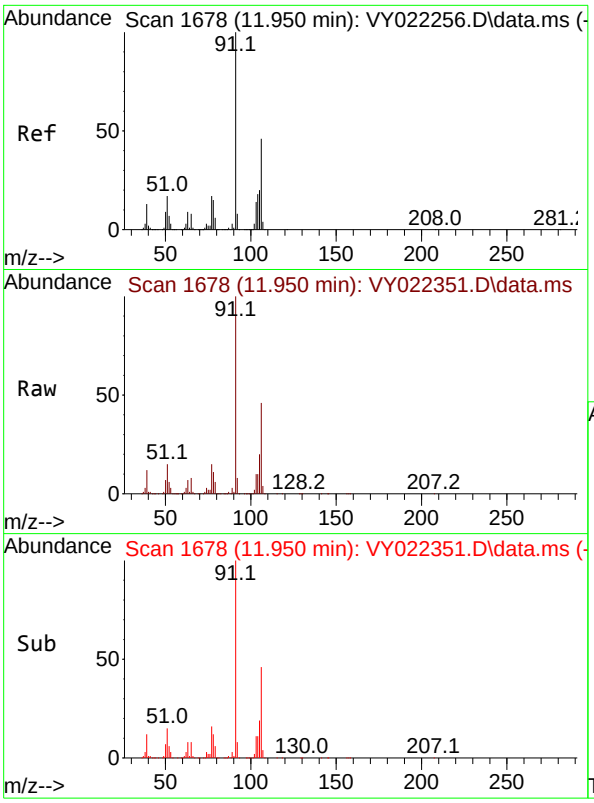


#68
m/p-Xylenes
Concen: 205.811 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:106 Resp: 646496

Ion	Ratio	Lower	Upper
106	100		
91	200.8	163.0	244.4

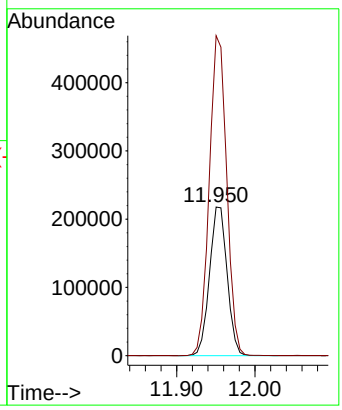




#69
o-Xylene
Concen: 114.296 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:106 Resp: 33968

Ion	Ratio	Lower	Upper
106	100		
91	213.2	108.3	324.8



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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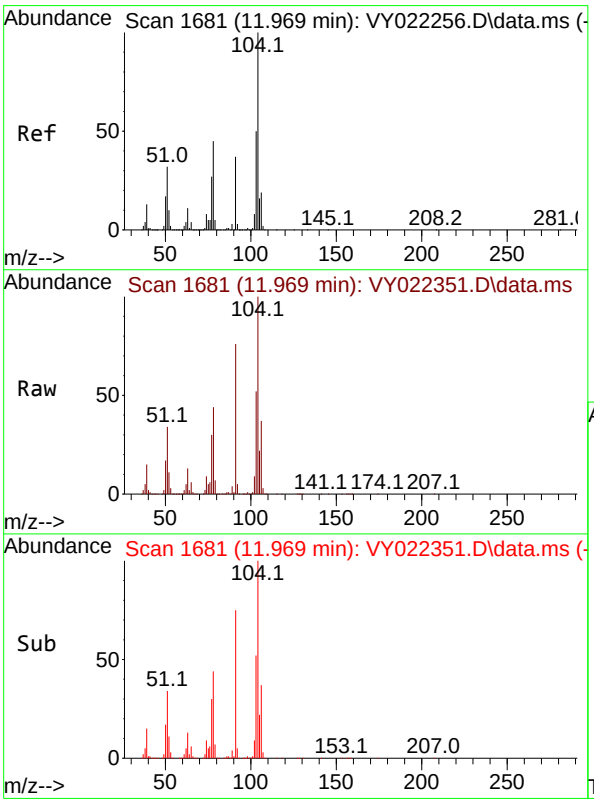
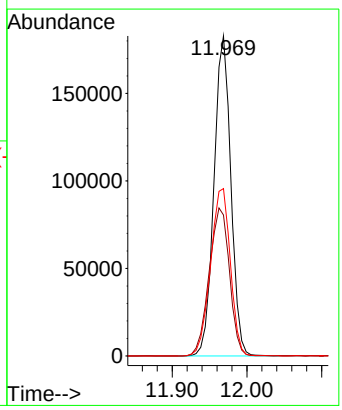
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

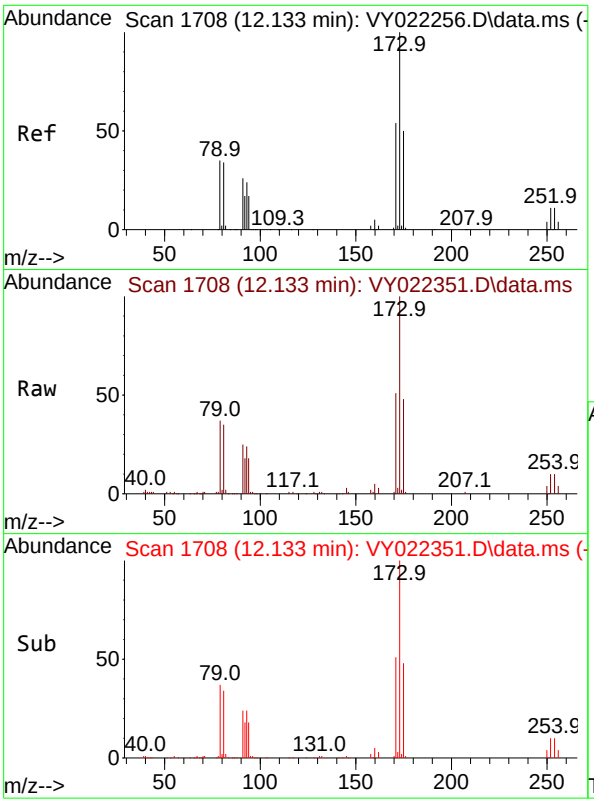


#70
Styrene
Concen: 57.189 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:104 Resp: 286703

Ion	Ratio	Lower	Upper
104	100		
78	55.8	40.9	61.3
103	61.3	43.7	65.5

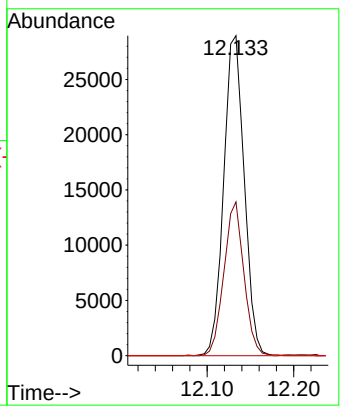




#71
Bromoform
Concen: 57.783 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:173 Resp: 4772

Ion	Ratio	Lower	Upper
173	100		
175	46.7	24.7	74.1
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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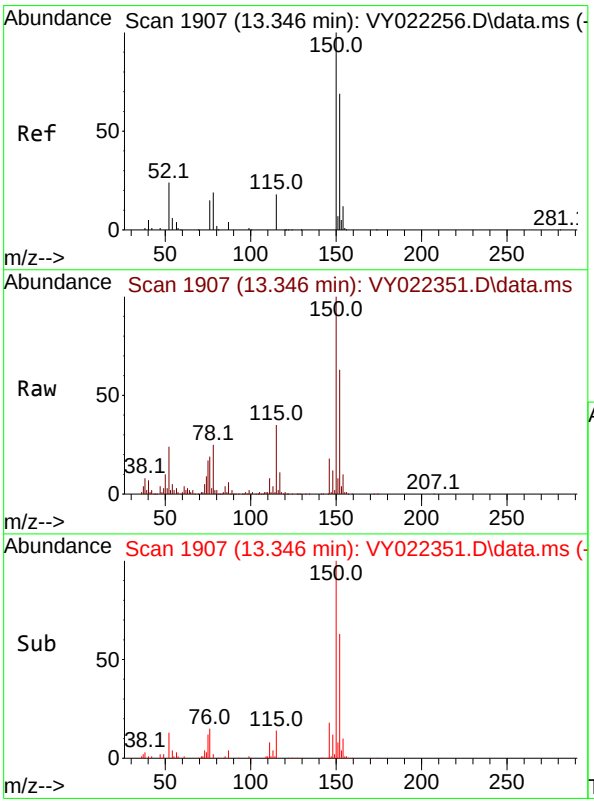
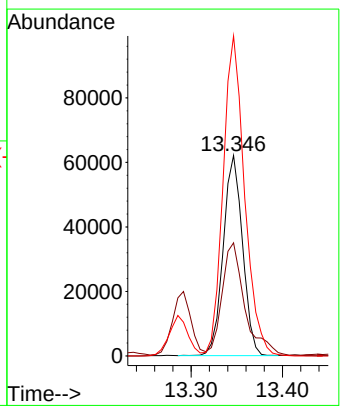
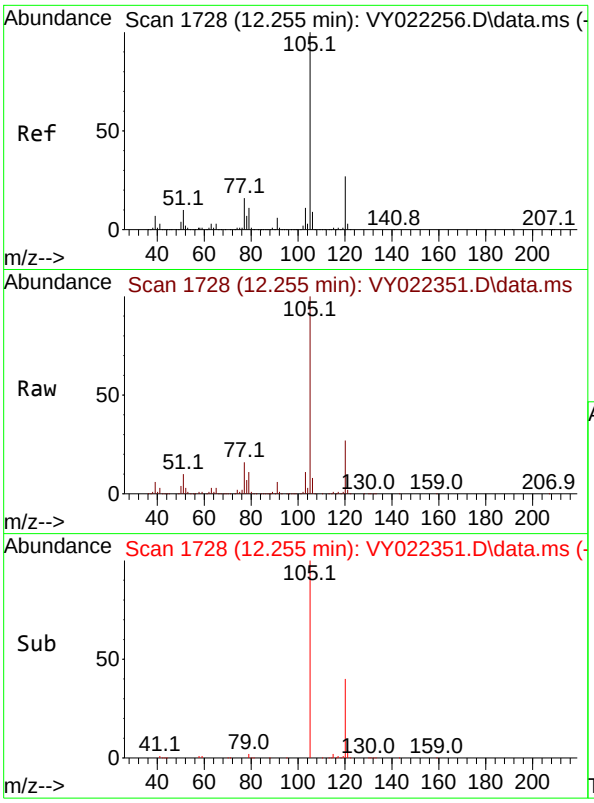


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:152 Resp: 91227

Ion	Ratio	Lower	Upper
152	100		
115	65.9	29.4	88.2
150	177.9	0.0	353.8

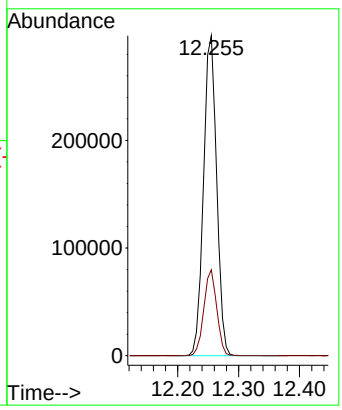




#73
Isopropylbenzene
Concen: 58.961 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:105 Resp: 44560

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6



Instrument :
MSVOA_Y
ClientSampleId :
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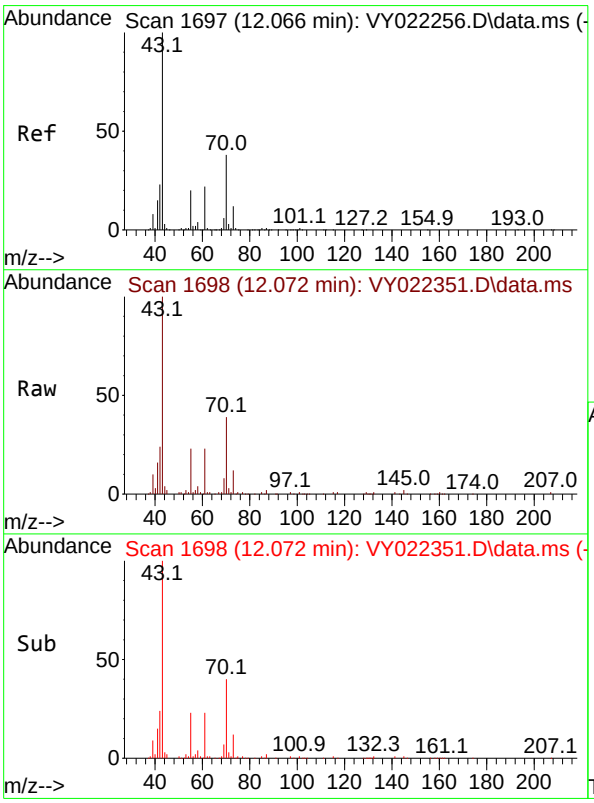
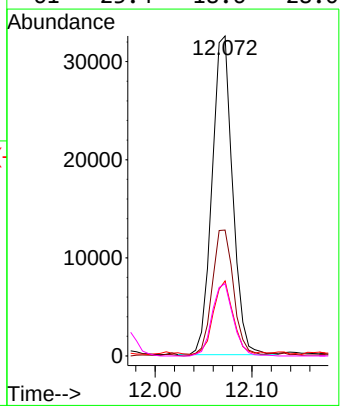
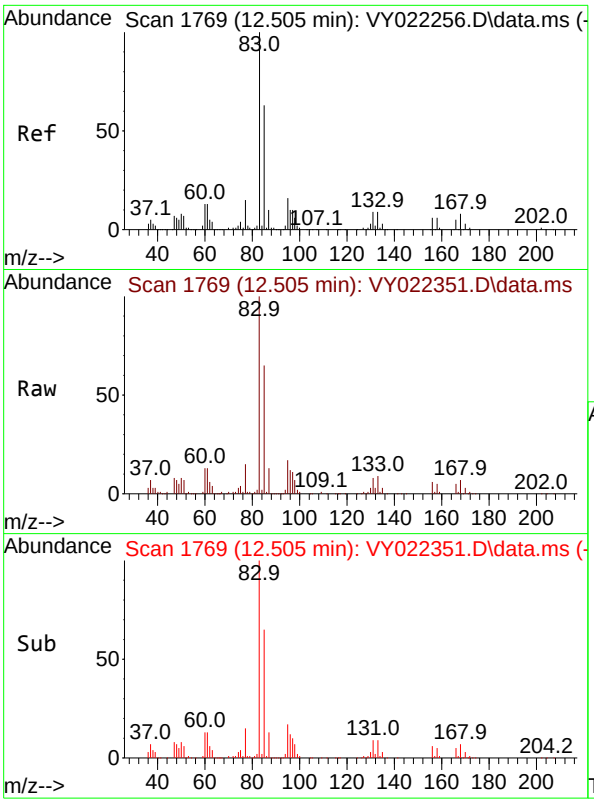


#74
N-amyl acetate
Concen: 22.212 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 43 Resp: 48012

Ion	Ratio	Lower	Upper
43	100		
70	41.4	31.4	47.0
55	22.3	17.0	25.6
61	23.4	18.6	28.0

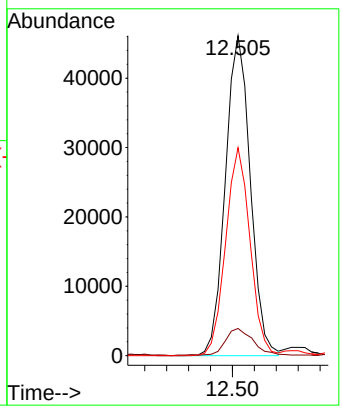




#75
1,1,2,2-Tetrachloroethane
Concen: 62.659 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 83 Resp: 7282

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	63.6	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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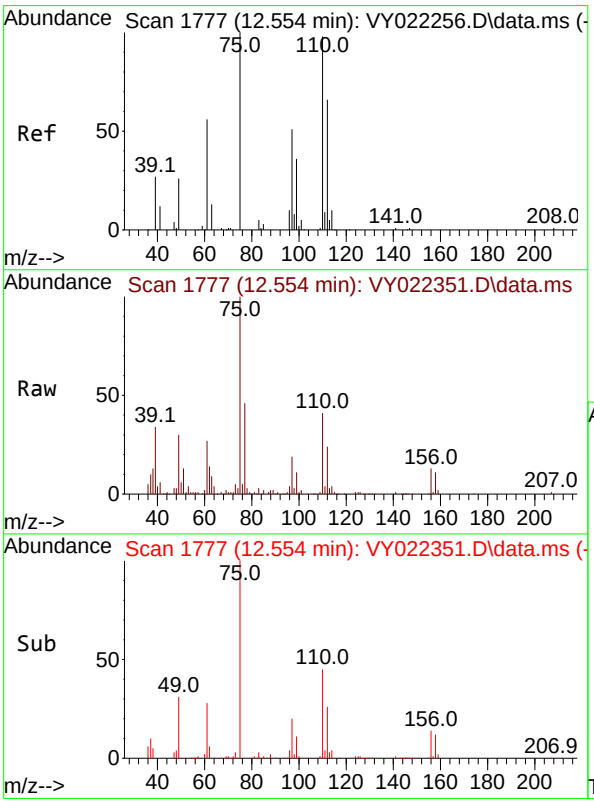
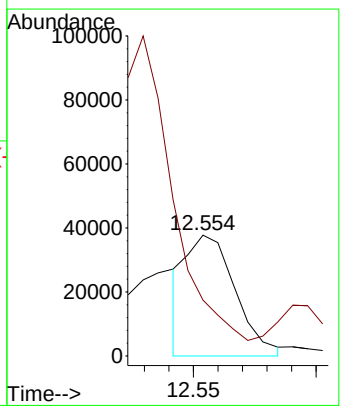
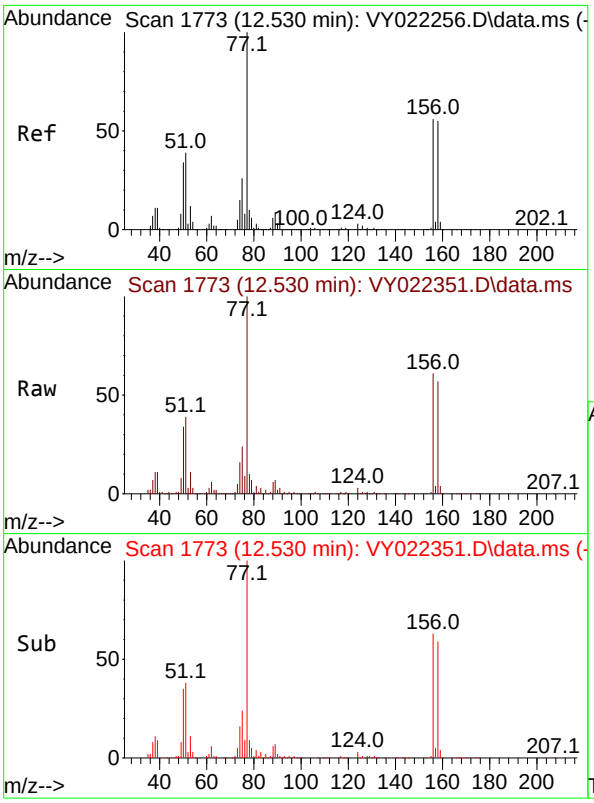


#76
1,2,3-Trichloropropane
Concen: 57.521 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 75 Resp: 53162

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

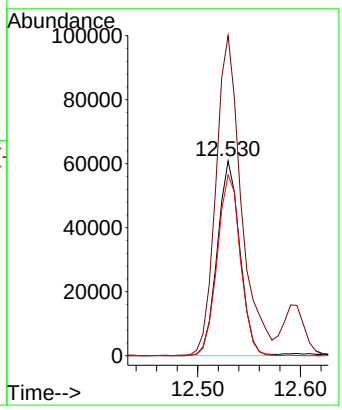




#77
Bromobenzene
Concen: 57.504 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:156 Resp: 9282

Ion	Ratio	Lower	Upper
156	100		
77	185.1	94.5	283.6
158	94.9	48.4	145.3



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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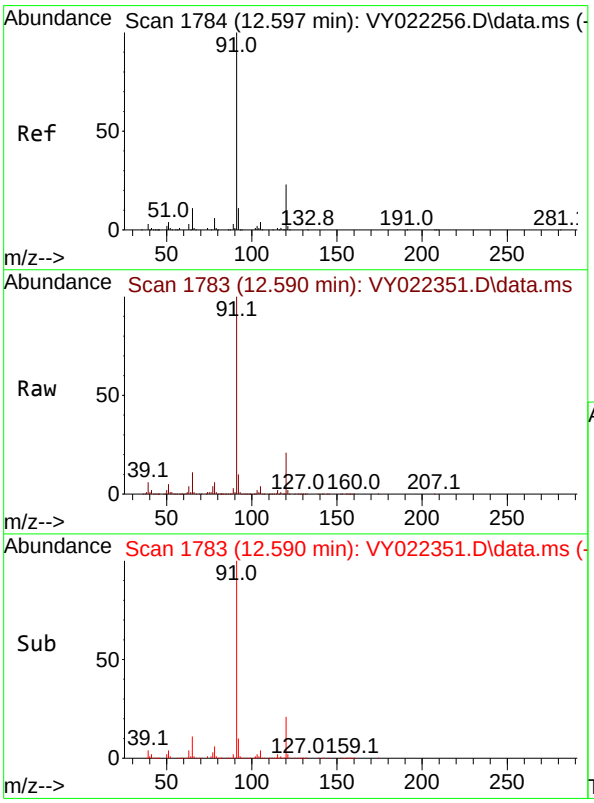
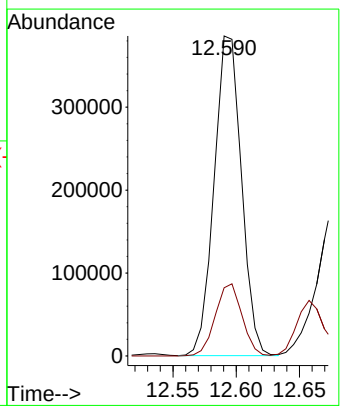
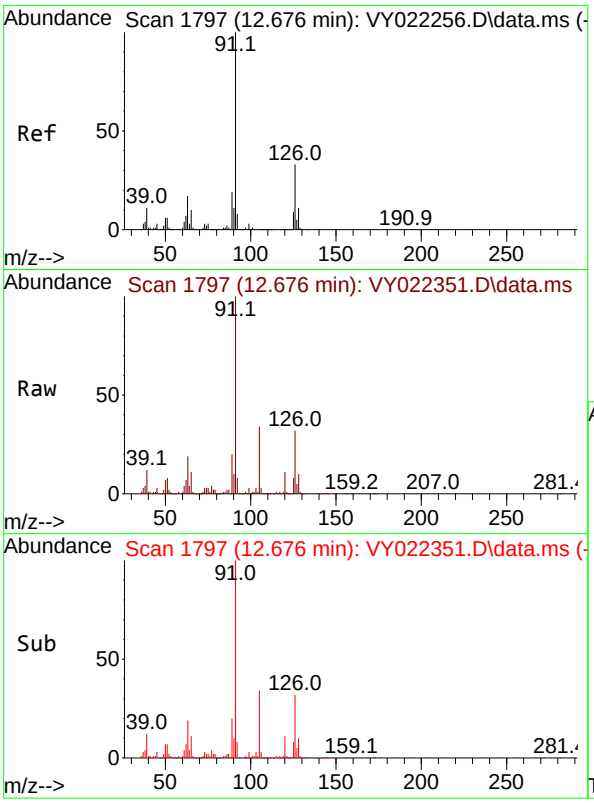


#78
n-propylbenzene
Concen: 63.472 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 91 Resp: 578609

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3

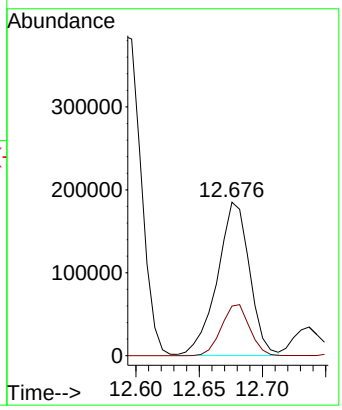




#79
2-Chlorotoluene
Concen: 65.517 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 91 Resp: 32821

Ion	Ratio	Lower	Upper
91	100		
126	29.2	16.8	50.4



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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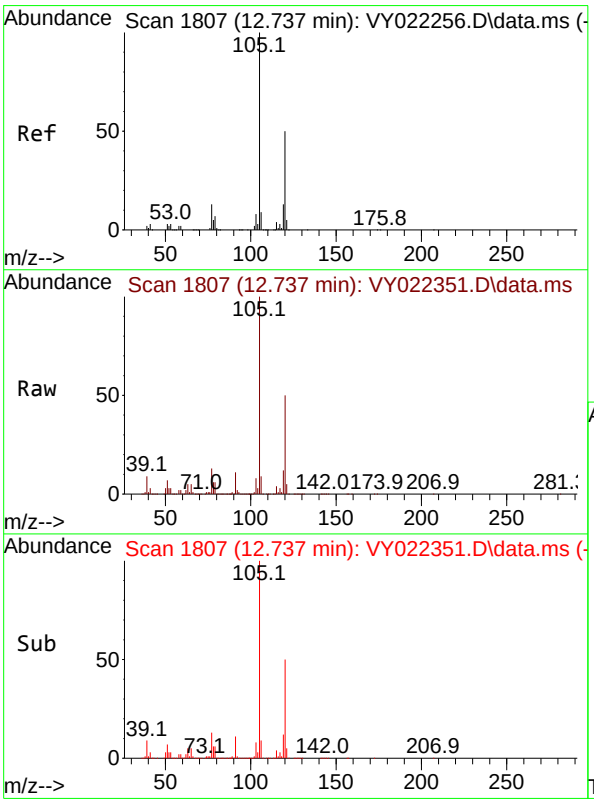
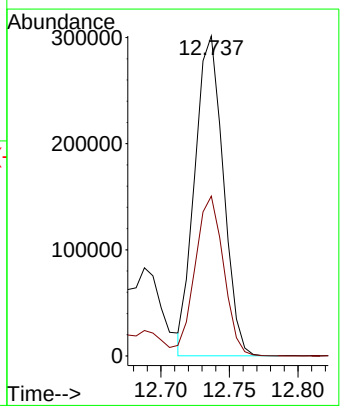
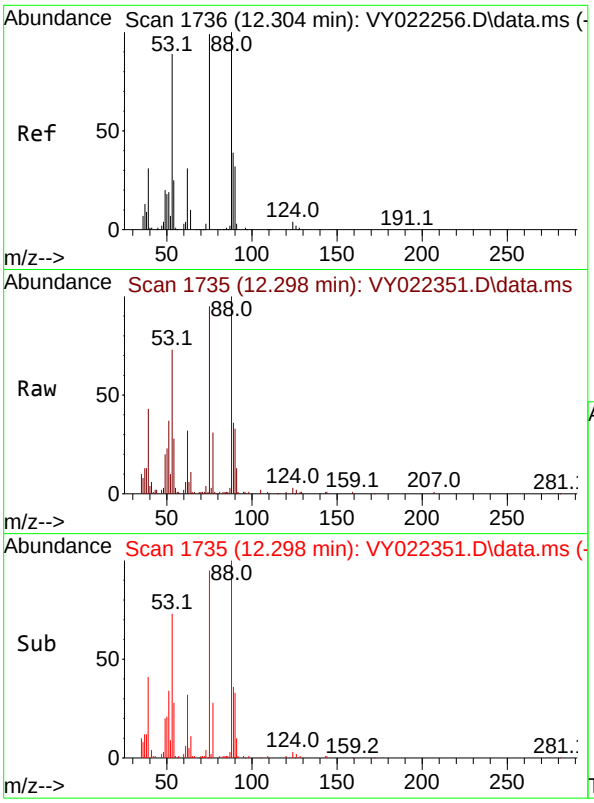


#80
1,3,5-Trimethylbenzene
Concen: 71.419 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:105 Resp: 435716

Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.2	72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 42.975 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 75 Resp: 1960

Ion	Ratio	Lower	Upper
75	100		
53	87.7	75.8	113.8
89	43.9	36.2	54.2

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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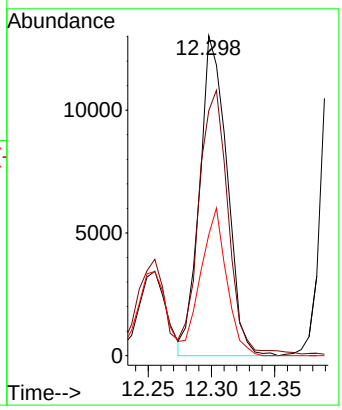
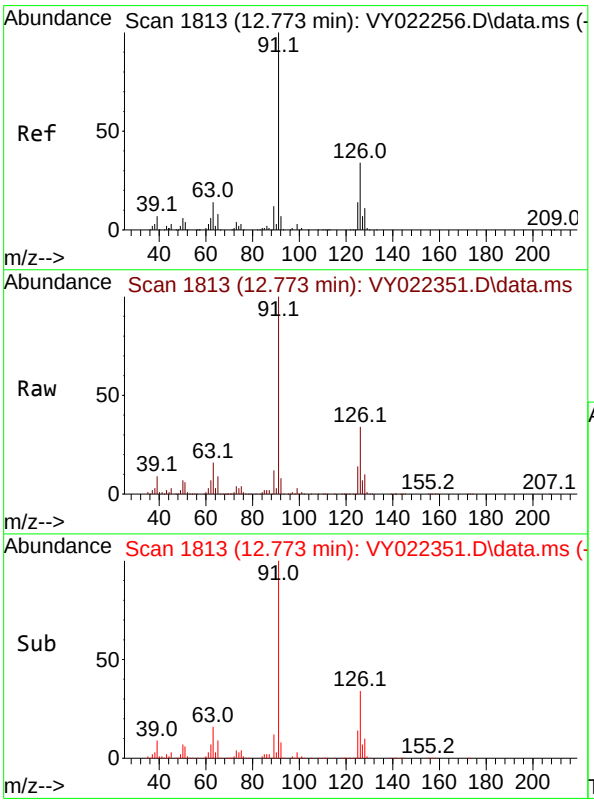
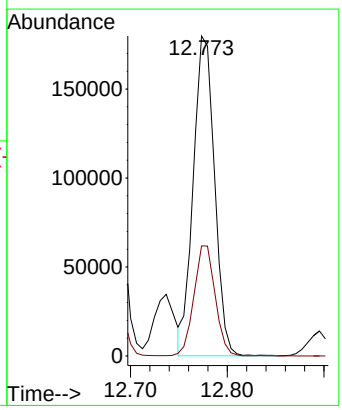


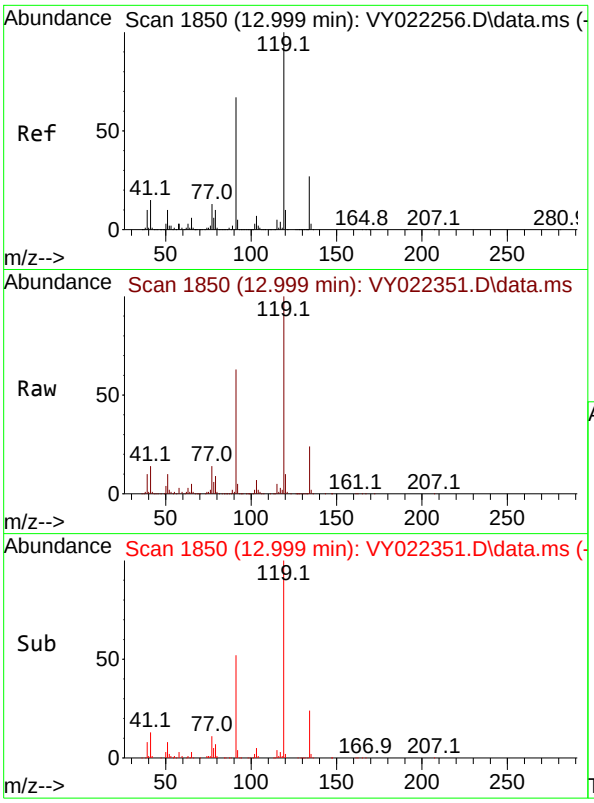


#82
4-Chlorotoluene
Concen: 53.441 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 91 Resp: 275371

Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.8	50.4





#83
tert-Butylbenzene
Concen: 54.832 ug/l
RT: 12.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:119 Resp: 29732

Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.8	98.3
134	24.9	12.9	38.6

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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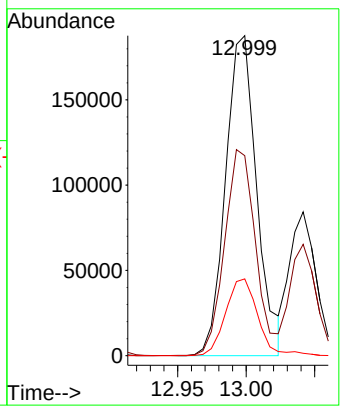
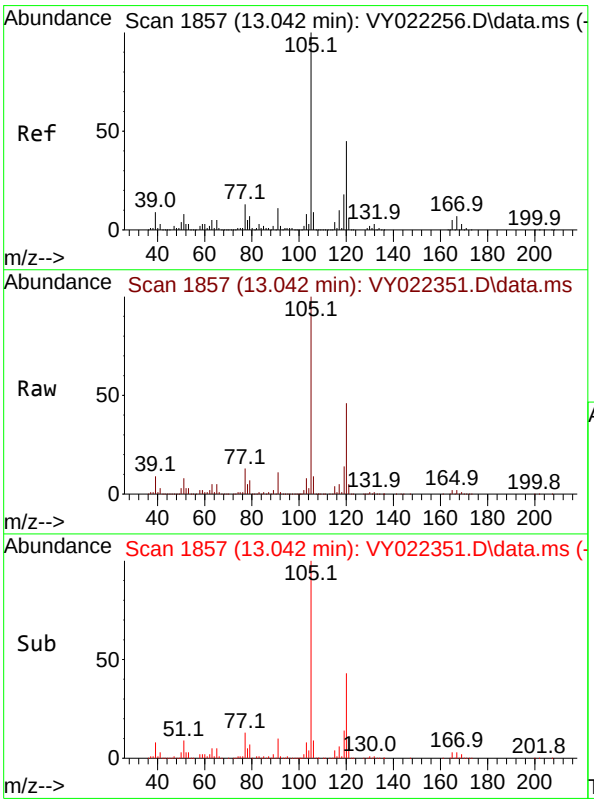
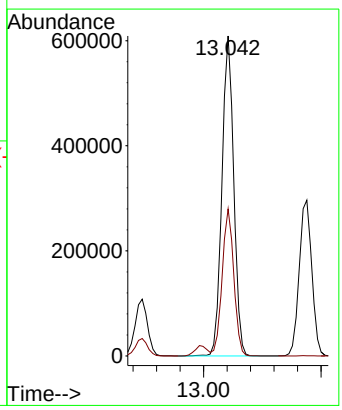


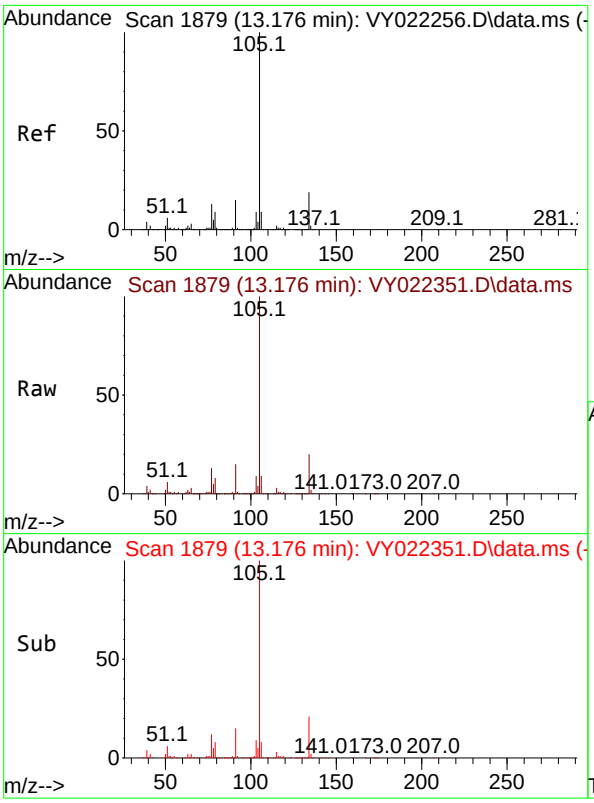


#84
1,2,4-Trimethylbenzene
Concen: 140.385 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:105 Resp: 850199

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.9





#85
sec-Butylbenzene
Concen: 54.679 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:105 Resp: 44013

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

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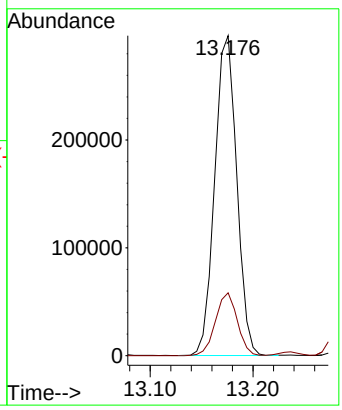
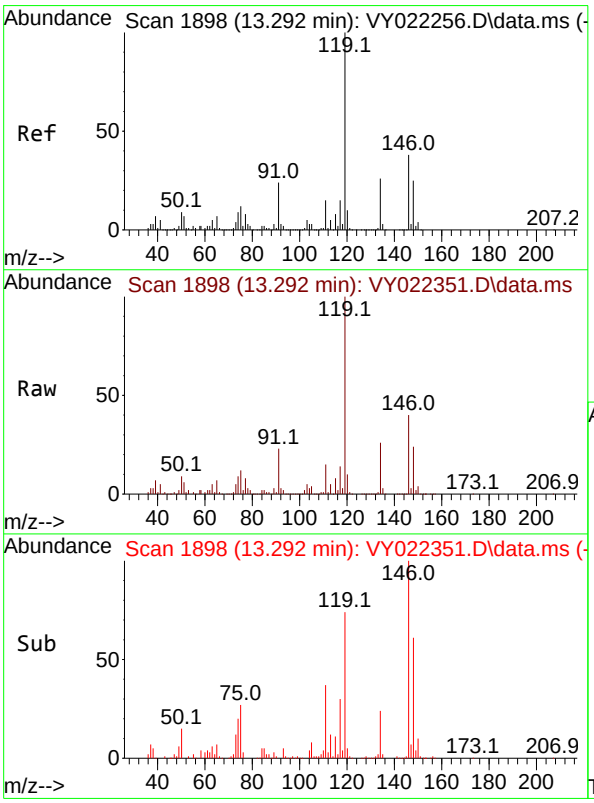
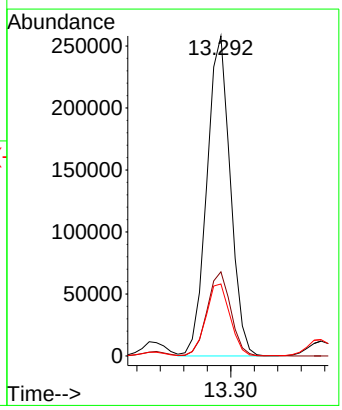


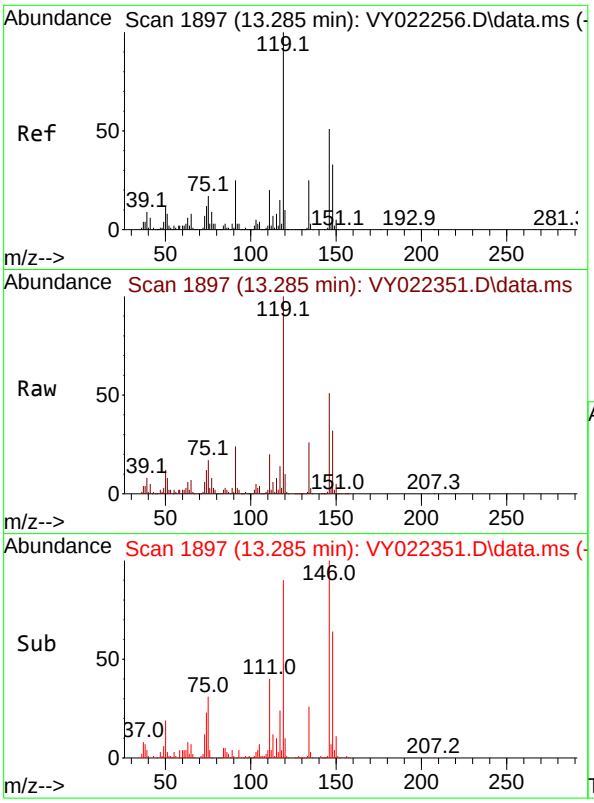


#86
p-Isopropyltoluene
Concen: 52.760 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:119 Resp: 357175

Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.6
91	23.1	12.1	36.3





#87
1,3-Dichlorobenzene
Concen: 52.969 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

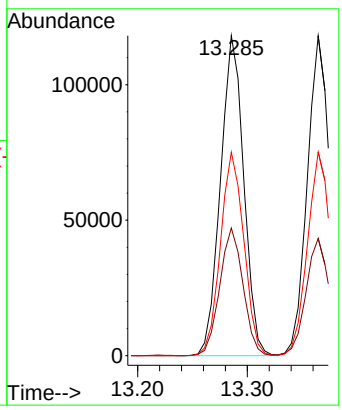
Tgt Ion:146 Resp: 17454

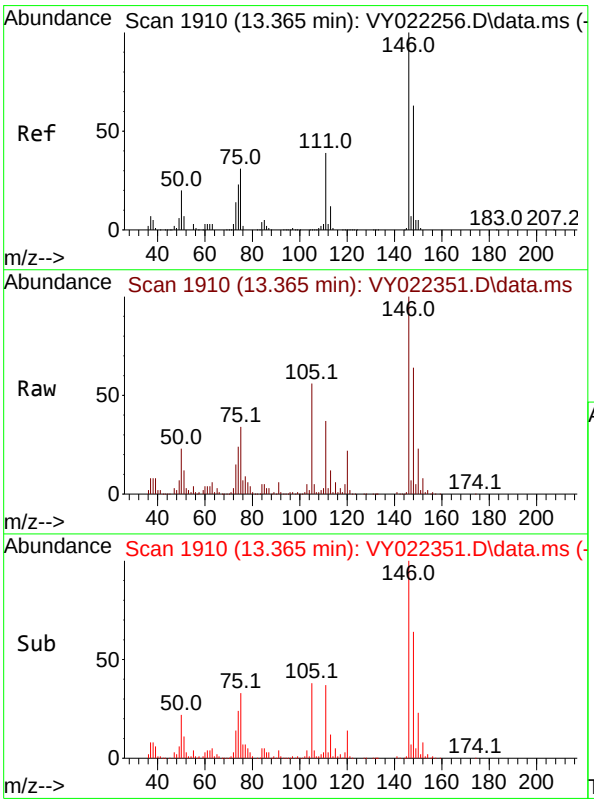
Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	63.8	31.9	95.7

Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

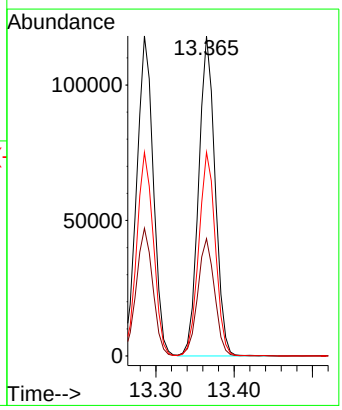


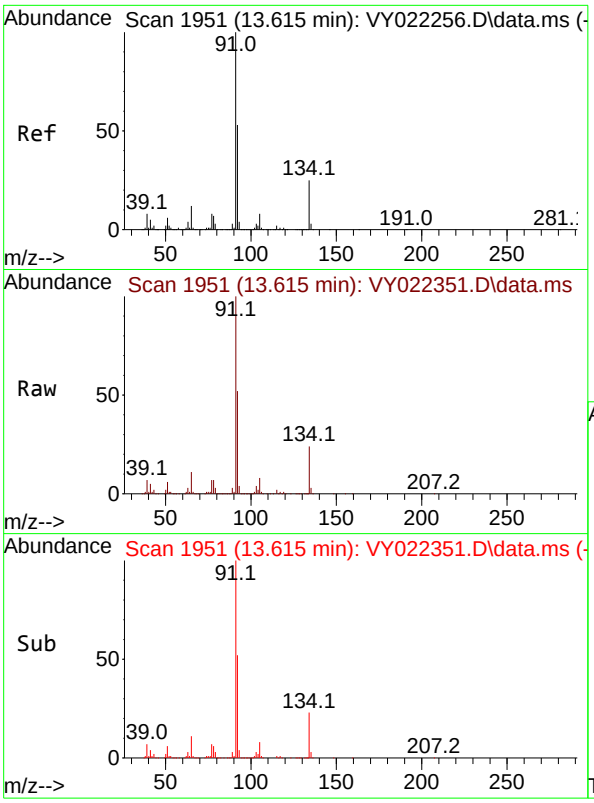


#88
1,4-Dichlorobenzene
Concen: 54.249 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:146 Resp: 171952

Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.0	59.9
148	64.2	32.1	96.5

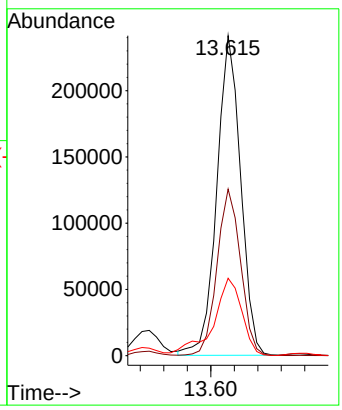




#89
n-Butylbenzene
Concen: 53.059 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 91 Resp: 33982

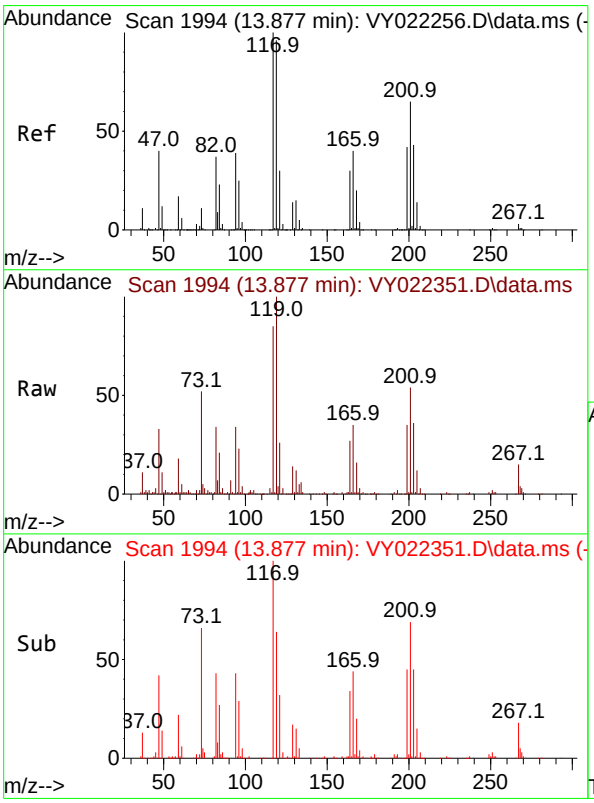
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.9
134	29.3	12.4	37.4



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
APPROVED

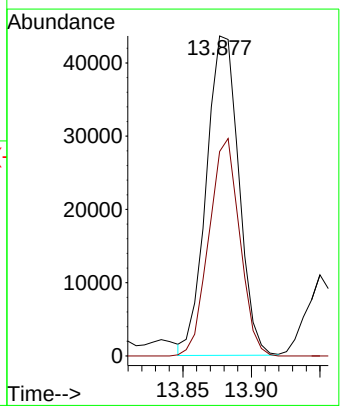
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

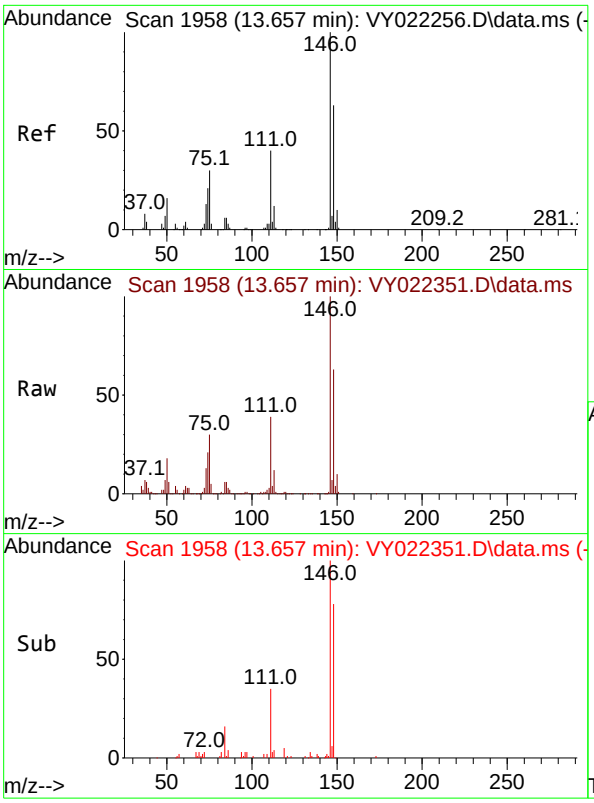


#90
Hexachloroethane
Concen: 52.546 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:117 Resp: 71808

Ion	Ratio	Lower	Upper
117	100		
201	64.5	35.2	105.6

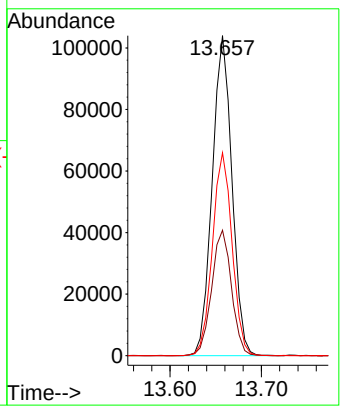




#91
1,2-Dichlorobenzene
Concen: 56.214 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:146 Resp: 15559

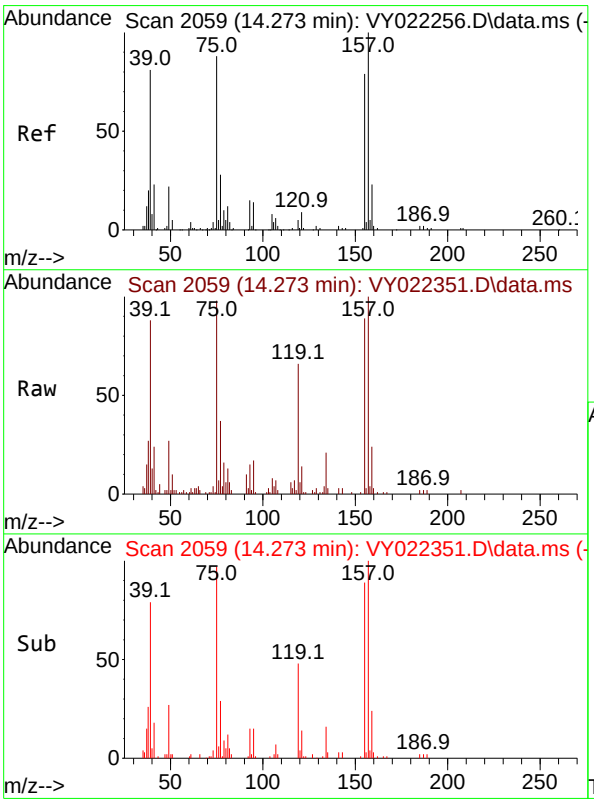
Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.5	61.5
148	63.4	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
APPROVED

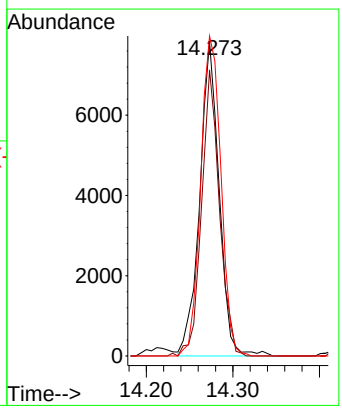
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

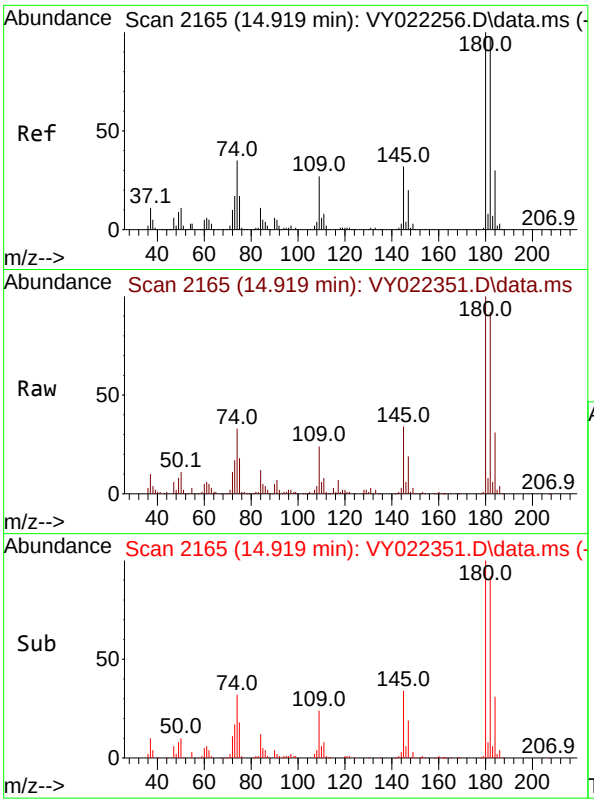


#92
1,2-Dibromo-3-Chloropropane
Concen: 65.194 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion: 75 Resp: 12219

Ion	Ratio	Lower	Upper
75	100		
155	83.8	43.4	130.1
157	105.5	54.6	163.9

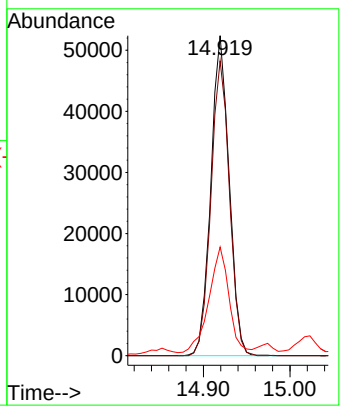




#93
1,2,4-Trichlorobenzene
Concen: 48.113 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:180 Resp: 7692

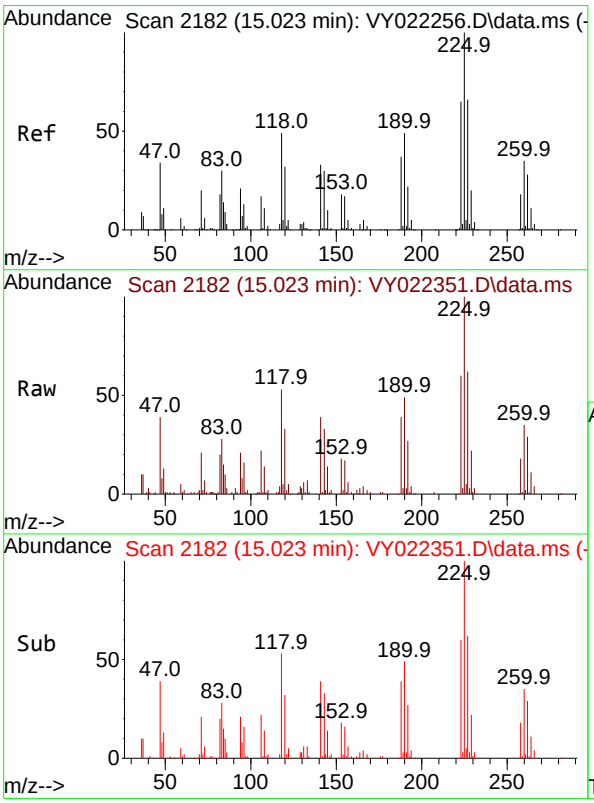
Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.0	144.0
145	37.4	15.0	45.1



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
APPROVED

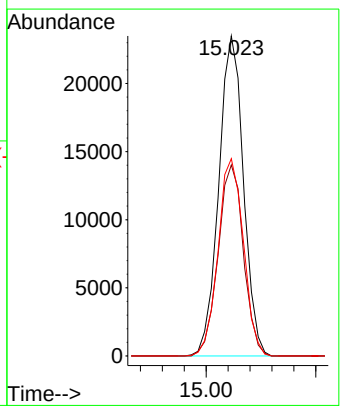
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025

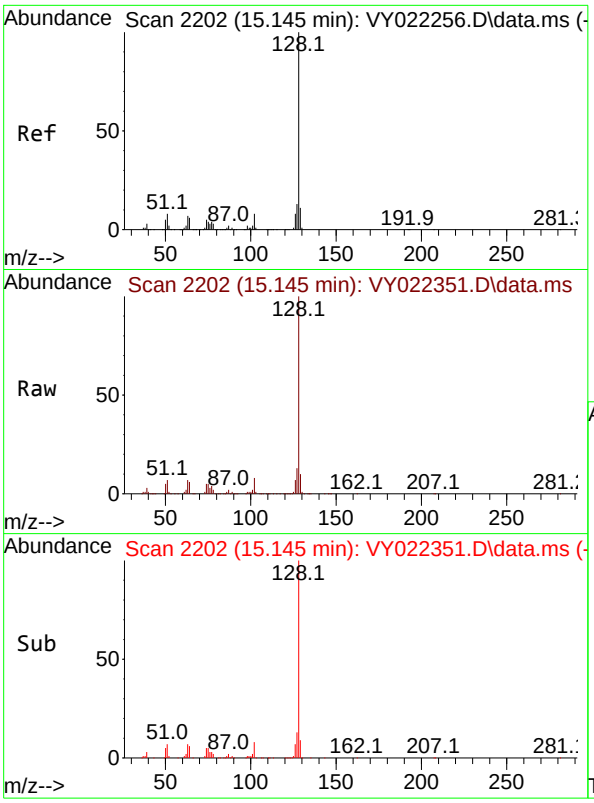


#94
Hexachlorobutadiene
Concen: 41.162 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:225 Resp: 36701

Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.5	94.5
227	63.4	32.1	96.3

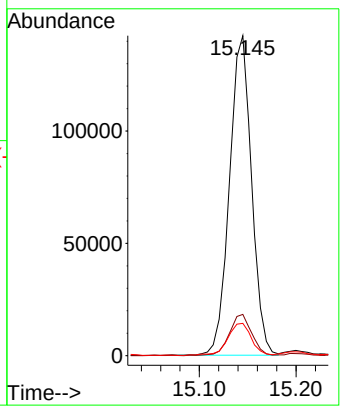




#95
Naphthalene
Concen: 74.594 ug/l
RT: 15.145 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:128 Resp: 22632

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.7	8.8	13.2



Instrument :
MSVOA_Y
ClientSampleId :
SS-11MSD

Manual Integrations
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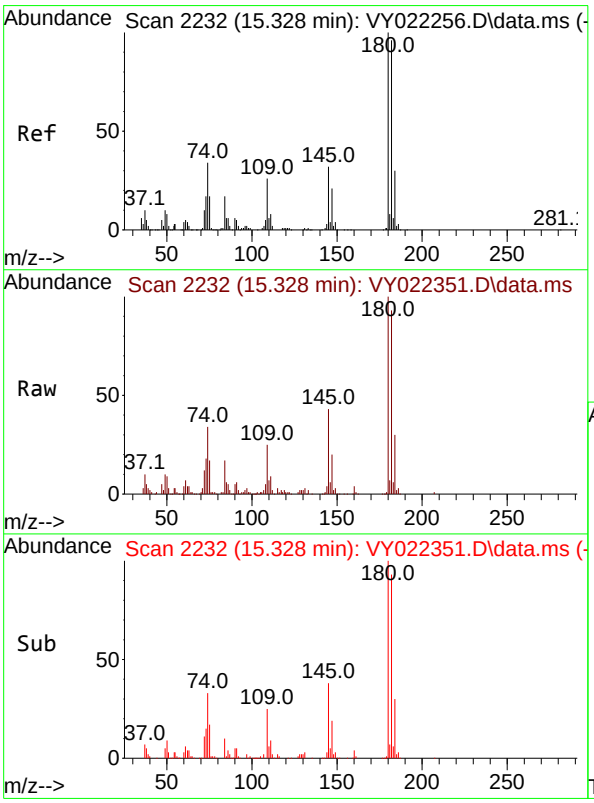
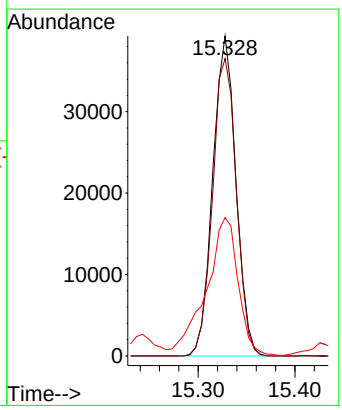
Reviewed By :Mahesh Dadoda 05/21/2025
Supervised By :Semsettin Yesilyurt 05/21/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.195 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022351.D
Acq: 20 May 2025 18:26

Tgt Ion:180 Resp: 65369

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	59.4	15.9	47.6#



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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VX052125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046284.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:14 AM	MMDadoda	5/22/2025 8:23:27 AM	Peak Integrated by Software
VX0521WBS01	VX046287.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:19 AM	MMDadoda	5/22/2025 8:23:29 AM	Peak Integrated by Software
VX0521WBSD01	VX046288.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:23 AM	MMDadoda	5/22/2025 8:23:30 AM	Peak Integrated by Software
VSTDCCC050	VX046309.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:45 AM	MMDadoda	5/22/2025 8:23:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx052325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046331.D	1,2,3-Trichloropropane	SAM	5/26/2025 5:41:51 AM	MMDadoda	5/26/2025 5:43:38 AM	Peak Integrated by Software
VSTDCCC050	VX046331.D	Methacrylonitrile	SAM	5/26/2025 5:41:51 AM	MMDadoda	5/26/2025 5:43:38 AM	Peak Integrated by Software
VX0523MBS01	VX046335.D	1,2,3-Trichloropropane	SAM	5/26/2025 5:41:57 AM	MMDadoda	5/26/2025 5:43:43 AM	Peak Integrated by Software
VSTDCCC050	VX046357.D	1,2,3-Trichloropropane	SAM	5/26/2025 5:42:03 AM	MMDadoda	5/26/2025 5:43:48 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022253.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methyl Acetate	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY022260.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDICV050	VY022260.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy052025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022329.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:03 PM	Sam	5/21/2025 3:55:05 PM	Peak Integrated by Software
VSTDCCC050	VY022329.D	Methacrylonitrile	MMDadoda	5/21/2025 3:43:03 PM	Sam	5/21/2025 3:55:05 PM	Peak Integrated by Software
VY0520SBS01	VY022331.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:06 PM	Sam	5/21/2025 3:55:08 PM	Peak Integrated by Software
Q2075-04MS	VY022350.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:18 PM	Sam	5/21/2025 3:55:15 PM	Peak Integrated by Software
Q2075-04MS	VY022350.D	Methacrylonitrile	MMDadoda	5/21/2025 3:43:18 PM	Sam	5/21/2025 3:55:15 PM	Peak Integrated by Software
Q2075-04MS	VY022350.D	Vinyl Acetate	MMDadoda	5/21/2025 3:43:18 PM	Sam	5/21/2025 3:55:15 PM	Peak Integrated by Software
Q2075-05MSD	VY022351.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:20 PM	Sam	5/21/2025 3:55:17 PM	Peak Integrated by Software
Q2075-05MSD	VY022351.D	Methacrylonitrile	MMDadoda	5/21/2025 3:43:20 PM	Sam	5/21/2025 3:55:17 PM	Peak Integrated by Software
Q2075-05MSD	VY022351.D	Vinyl Acetate	MMDadoda	5/21/2025 3:43:20 PM	Sam	5/21/2025 3:55:17 PM	Peak Integrated by Software
VSTDCCC050	VY022352.D	1,2,3-Trichloropropane	MMDadoda	5/21/2025 3:43:22 PM	Sam	5/21/2025 3:55:19 PM	Peak Integrated by Software
VSTDCCC050	VY022352.D	Methacrylonitrile	MMDadoda	5/21/2025 3:43:22 PM	Sam	5/21/2025 3:55:19 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy052225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022380.D	1,2,3-Trichloropropane	JOHN	5/23/2025 11:04:46 AM	MMDadoda	5/23/2025 4:07:00 PM	Peak Integrated by Software
VY0522SBS01	VY022382.D	1,2,3-Trichloropropane	JOHN	5/23/2025 11:04:50 AM	MMDadoda	5/23/2025 4:07:01 PM	Peak Integrated by Software
VSTDCCC050	VY022405.D	1,2,3-Trichloropropane	JOHN	5/23/2025 11:04:59 AM	MMDadoda	5/23/2025 4:07:04 PM	Peak Integrated by Software
VSTDCCC050	VY022405.D	Methacrylonitrile	JOHN	5/23/2025 11:04:59 AM	MMDadoda	5/23/2025 4:07:04 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046283.D	21 May 2025 09:13	JC/MD	Ok
2	VSTDCCC050	VX046284.D	21 May 2025 09:55	JC/MD	Ok,M
3	VX0521MBL01	VX046285.D	21 May 2025 10:22	JC/MD	Ok
4	VX0521WBL01	VX046286.D	21 May 2025 10:46	JC/MD	Ok
5	VX0521WBS01	VX046287.D	21 May 2025 11:09	JC/MD	Ok,M
6	VX0521WBSD01	VX046288.D	21 May 2025 11:36	JC/MD	Ok,M
7	Q2065-01	VX046289.D	21 May 2025 11:59	JC/MD	Ok
8	Q2068-03	VX046290.D	21 May 2025 12:23	JC/MD	Ok
9	Q2093-14	VX046291.D	21 May 2025 12:46	JC/MD	Ok
10	Q2075-07	VX046292.D	21 May 2025 13:09	JC/MD	Ok
11	Q2075-08	VX046293.D	21 May 2025 13:32	JC/MD	Ok
12	Q2082-01	VX046294.D	21 May 2025 13:56	JC/MD	Ok
13	Q2082-04	VX046295.D	21 May 2025 14:19	JC/MD	Ok
14	Q2082-12	VX046296.D	21 May 2025 14:42	JC/MD	Ok
15	Q2082-02	VX046297.D	21 May 2025 15:05	JC/MD	Ok
16	Q2082-03	VX046298.D	21 May 2025 15:29	JC/MD	Ok
17	Q2082-05	VX046299.D	21 May 2025 15:52	JC/MD	Ok
18	Q2082-07	VX046300.D	21 May 2025 16:15	JC/MD	Ok
19	Q2082-08	VX046301.D	21 May 2025 16:39	JC/MD	Ok
20	Q2088-01	VX046302.D	21 May 2025 17:02	JC/MD	Ok
21	Q2096-01	VX046303.D	21 May 2025 17:25	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2102-03	VX046304.D	21 May 2025 17:48	JC/MD	Not Ok
23	IBLK	VX046305.D	21 May 2025 18:12	JC/MD	Ok
24	Q2082-09	VX046306.D	21 May 2025 18:35	JC/MD	Ok
25	Q2082-10MS	VX046307.D	21 May 2025 18:58	JC/MD	Ok,M
26	Q2082-11MSD	VX046308.D	21 May 2025 19:21	JC/MD	Ok,M
27	VSTDCCC050	VX046309.D	21 May 2025 19:44	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

Review By	John Carlone	Review On	5/23/2025 4:14:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/26/2025 5:42:25 AM		
SubDirectory	VX052325	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134008
Initial Calibration Stds	
CCC	VP134009,VP134010
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046330.D	23 May 2025 08:25	JC/MD	Ok
2	VSTDCCC050	VX046331.D	23 May 2025 09:24	JC/MD	Ok,M
3	VX0523MBL01	VX046332.D	23 May 2025 09:53	JC/MD	Ok
4	VX0523WBL01	VX046333.D	23 May 2025 10:16	JC/MD	Ok
5	VX0523WBS01	VX046334.D	23 May 2025 10:57	JC/MD	Ok,M
6	VX0523MBS01	VX046335.D	23 May 2025 11:23	JC/MD	Ok,M
7	Q2075-06ME	VX046336.D	23 May 2025 11:46	JC/MD	Ok
8	VX0523WBSD01	VX046337.D	23 May 2025 12:10	JC/MD	Ok,M
9	Q2120-01	VX046338.D	23 May 2025 12:33	JC/MD	Ok
10	Q2120-02	VX046339.D	23 May 2025 12:56	JC/MD	ReRun
11	Q2118-01	VX046340.D	23 May 2025 13:20	JC/MD	Ok
12	Q2118-05	VX046341.D	23 May 2025 13:43	JC/MD	Ok
13	Q2118-02	VX046342.D	23 May 2025 14:06	JC/MD	Ok
14	Q2118-03	VX046343.D	23 May 2025 14:29	JC/MD	Ok
15	Q2118-04	VX046344.D	23 May 2025 14:53	JC/MD	Ok
16	Q2118-06	VX046345.D	23 May 2025 15:16	JC/MD	Ok
17	Q2118-08	VX046346.D	23 May 2025 15:39	JC/MD	Ok
18	Q2118-09	VX046347.D	23 May 2025 16:03	JC/MD	Ok
19	Q2118-10	VX046348.D	23 May 2025 16:26	JC/MD	Ok
20	Q2114-02	VX046349.D	23 May 2025 16:49	JC/MD	Ok
21	Q2106-01	VX046350.D	23 May 2025 17:12	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

Review By	John Carlone	Review On	5/23/2025 4:14:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/26/2025 5:42:25 AM		
SubDirectory	VX052325	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134008
Initial Calibration Stds	
CCC	VP134009,VP134010
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2114-01	VX046351.D	23 May 2025 17:36	JC/MD	Ok
23	Q2123-01	VX046352.D	23 May 2025 17:59	JC/MD	Ok
24	Q2123-02	VX046353.D	23 May 2025 18:22	JC/MD	Ok
25	Q2123-03	VX046354.D	23 May 2025 18:45	JC/MD	Ok
26	Q2123-04	VX046355.D	23 May 2025 19:09	JC/MD	Ok
27	Q2120-02	VX046356.D	23 May 2025 19:32	JC/MD	Ok
28	VSTDCCC050	VX046357.D	23 May 2025 19:55	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022252.D	15 May 2025 07:52	SY/MD	Ok
2	VSTDICC005	VY022253.D	15 May 2025 09:46	SY/MD	Ok,M
3	VSTDICC010	VY022254.D	15 May 2025 10:16	SY/MD	Ok,M
4	VSTDICC020	VY022255.D	15 May 2025 10:39	SY/MD	Ok,M
5	VSTDICCC050	VY022256.D	15 May 2025 11:02	SY/MD	Ok,M
6	VSTDICC100	VY022257.D	15 May 2025 11:24	SY/MD	Ok,M
7	VSTDICC150	VY022258.D	15 May 2025 11:47	SY/MD	Ok,M
8	VIBLK	VY022259.D	15 May 2025 12:34	SY/MD	Ok
9	VSTDICV050	VY022260.D	15 May 2025 13:20	SY/MD	Ok,M
10	VY0515SBL01	VY022261.D	15 May 2025 13:44	SY/MD	Ok
11	VY0515SBS01	VY022262.D	15 May 2025 14:07	SY/MD	Ok,M
12	VY0515SBSD01	VY022263.D	15 May 2025 14:29	SY/MD	Ok,M
13	Q1984-01	VY022264.D	15 May 2025 15:12	SY/MD	Ok
14	Q1984-03	VY022265.D	15 May 2025 15:35	SY/MD	Ok
15	Q1984-05	VY022266.D	15 May 2025 15:59	SY/MD	Ok
16	Q1984-07	VY022267.D	15 May 2025 16:22	SY/MD	ReRun
17	Q1984-09	VY022268.D	15 May 2025 16:46	SY/MD	Not Ok
18	Q1984-11	VY022269.D	15 May 2025 17:09	SY/MD	Not Ok
19	Q1984-13	VY022270.D	15 May 2025 17:33	SY/MD	Not Ok
20	Q1984-15	VY022271.D	15 May 2025 17:56	SY/MD	ReRun
21	Q1982-04	VY022272.D	15 May 2025 18:19	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1982-05	VY022273.D	15 May 2025 18:43	SY/MD	Ok
23	Q1982-06	VY022274.D	15 May 2025 19:06	SY/MD	Ok
24	VSTDCCC050	VY022275.D	15 May 2025 19:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM				
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022328.D	20 May 2025 08:09	SY/MD	Ok
2	VSTDCCC050	VY022329.D	20 May 2025 08:40	SY/MD	Ok,M
3	VY0520SBL01	VY022330.D	20 May 2025 09:48	SY/MD	Ok
4	VY0520SBS01	VY022331.D	20 May 2025 10:21	SY/MD	Ok,M
5	VY0520SBSD01	VY022332.D	20 May 2025 10:43	SY/MD	Ok,M
6	Q2062-19	VY022333.D	20 May 2025 11:28	SY/MD	Ok
7	Q2062-23	VY022334.D	20 May 2025 11:51	SY/MD	Ok
8	Q2071-11	VY022335.D	20 May 2025 12:15	SY/MD	Ok
9	Q2056-02	VY022336.D	20 May 2025 12:38	SY/MD	Ok
10	Q2056-03	VY022337.D	20 May 2025 13:01	SY/MD	Ok
11	Q2056-04	VY022338.D	20 May 2025 13:25	SY/MD	Ok
12	Q2056-05	VY022339.D	20 May 2025 13:48	SY/MD	Not Ok
13	Q2080-02	VY022340.D	20 May 2025 14:12	SY/MD	Ok
14	Q2080-08	VY022341.D	20 May 2025 14:35	SY/MD	Ok
15	Q2032-02	VY022342.D	20 May 2025 14:59	SY/MD	Ok
16	Q2075-01	VY022343.D	20 May 2025 15:22	SY/MD	Ok
17	Q2075-02	VY022344.D	20 May 2025 15:45	SY/MD	Ok
18	Q2075-03	VY022345.D	20 May 2025 16:09	SY/MD	Ok
19	Q2084-02	VY022346.D	20 May 2025 16:32	SY/MD	Ok
20	Q2032-01	VY022347.D	20 May 2025 16:56	SY/MD	Dilution
21	Q2032-05MS	VY022348.D	20 May 2025 17:19	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM				
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2032-06MSD	VY022349.D	20 May 2025 17:41	SY/MD	Ok,M
23	Q2075-04MS	VY022350.D	20 May 2025 18:04	SY/MD	Ok,M
24	Q2075-05MSD	VY022351.D	20 May 2025 18:26	SY/MD	Ok,M
25	VSTDCCC050	VY022352.D	20 May 2025 19:34	SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM				
Supervise By	Mahesh Dadoda	Supervise On	5/23/2025 4:07:06 PM				
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134001
Initial Calibration Stds	
CCC	VP134002,VP134003
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022379.D	22 May 2025 08:05	SY/MD	Ok
2	VSTDCCC050	VY022380.D	22 May 2025 08:35	SY/MD	Ok,M
3	VY0522SBL01	VY022381.D	22 May 2025 09:07	SY/MD	Ok
4	VY0522SBS01	VY022382.D	22 May 2025 09:36	SY/MD	Ok,M
5	VY0522SBSD01	VY022383.D	22 May 2025 09:59	SY/MD	Ok,M
6	Q2087-03RE	VY022384.D	22 May 2025 10:38	SY/MD	Confirms
7	Q2101-03	VY022385.D	22 May 2025 11:01	SY/MD	Ok
8	Q2097-11RE	VY022386.D	22 May 2025 11:25	SY/MD	Confirms
9	Q2102-01	VY022387.D	22 May 2025 11:48	SY/MD	Ok
10	Q2104-01RE	VY022388.D	22 May 2025 12:11	SY/MD	Confirms
11	Q2074-01	VY022389.D	22 May 2025 12:35	SY/MD	Ok
12	Q2074-02	VY022390.D	22 May 2025 12:58	SY/MD	Ok
13	Q2074-03	VY022391.D	22 May 2025 13:22	SY/MD	Ok
14	Q2074-04	VY022392.D	22 May 2025 13:45	SY/MD	Ok
15	Q2074-05	VY022393.D	22 May 2025 14:09	SY/MD	Ok
16	Q2074-06	VY022394.D	22 May 2025 14:32	SY/MD	Ok
17	Q2074-07	VY022395.D	22 May 2025 14:55	SY/MD	Ok
18	Q2074-08	VY022396.D	22 May 2025 15:19	SY/MD	Ok
19	Q2100-01	VY022397.D	22 May 2025 15:42	SY/MD	ReRun
20	Q2100-02	VY022398.D	22 May 2025 16:06	SY/MD	Ok
21	Q2100-03	VY022399.D	22 May 2025 16:29	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM				
Supervise By	Mahesh Dadoda	Supervise On	5/23/2025 4:07:06 PM				
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134001
Initial Calibration Stds	
CCC	VP134002,VP134003
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2100-04	VY022400.D	22 May 2025 16:53	SY/MD	Ok
23	Q2112-01	VY022401.D	22 May 2025 17:16	SY/MD	ReRun
24	Q2109-03	VY022402.D	22 May 2025 17:40	SY/MD	Ok
25	Q2075-06	VY022403.D	22 May 2025 18:03	SY/MD	Dilution
26	VIBLK	VY022404.D	22 May 2025 18:26	SY/MD	Ok
27	VSTDCCC050	VY022405.D	22 May 2025 18:49	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
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	VX046283.D	21 May 2025 09:13		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046284.D	21 May 2025 09:55	pH#Lot#V12668	JC/MD	Ok,M
3	VX0521MBL01	VX0521MBL01	VX046285.D	21 May 2025 10:22		JC/MD	Ok
4	VX0521WBL01	VX0521WBL01	VX046286.D	21 May 2025 10:46		JC/MD	Ok
5	VX0521WBS01	VX0521WBS01	VX046287.D	21 May 2025 11:09		JC/MD	Ok,M
6	VX0521WBSD01	VX0521WBSD01	VX046288.D	21 May 2025 11:36		JC/MD	Ok,M
7	Q2065-01	VACTRUCK-728068	VX046289.D	21 May 2025 11:59	vial A pH<2 oily sample	JC/MD	Ok
8	Q2068-03	LAW-25-0074	VX046290.D	21 May 2025 12:23	vial A pH<2 turbid sample	JC/MD	Ok
9	Q2093-14	WATER-COMP	VX046291.D	21 May 2025 12:46	vial A pH<2	JC/MD	Ok
10	Q2075-07	FB-05152025	VX046292.D	21 May 2025 13:09	vial A pH<2 FB	JC/MD	Ok
11	Q2075-08	FB-05162025	VX046293.D	21 May 2025 13:32	vial A pH<2 FB	JC/MD	Ok
12	Q2082-01	BP-VPB-182-GW-2025	VX046294.D	21 May 2025 13:56	vial A pH<2 TB	JC/MD	Ok
13	Q2082-04	BP-VPB-182-GW-300-3	VX046295.D	21 May 2025 14:19	vial A+B pH<2	JC/MD	Ok
14	Q2082-12	VPB182-HYD-2025051	VX046296.D	21 May 2025 14:42	vial A pH<2	JC/MD	Ok
15	Q2082-02	BP-VPB-182-GW-260-2	VX046297.D	21 May 2025 15:05	vial A pH<2	JC/MD	Ok
16	Q2082-03	BP-VPB-182-GW-280-2	VX046298.D	21 May 2025 15:29	vial A pH<2	JC/MD	Ok
17	Q2082-05	BP-VPB-182-GW-320-3	VX046299.D	21 May 2025 15:52	vial A pH<2	JC/MD	Ok
18	Q2082-07	BP-VPB-182-GW-360-3	VX046300.D	21 May 2025 16:15	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2082-08	BP-VPB-182-GW-390-3	VX046301.D	21 May 2025 16:39	vial A pH<2	JC/MD	Ok
20	Q2088-01	252820	VX046302.D	21 May 2025 17:02	vial A pH<2	JC/MD	Ok
21	Q2096-01	50684	VX046303.D	21 May 2025 17:25	vial A pH<2 Very foamy sample	JC/MD	Ok
22	Q2102-03	LAW-25-0078	VX046304.D	21 May 2025 17:48	Need Straight Run	JC/MD	Not Ok
23	IBLK	IBLK	VX046305.D	21 May 2025 18:12		JC/MD	Ok
24	Q2082-09	BP-VPB-182-GW-400-4	VX046306.D	21 May 2025 18:35	vial A pH<2	JC/MD	Ok
25	Q2082-10MS	BP-VPB-182-GW-400-4	VX046307.D	21 May 2025 18:58	vial A pH<2	JC/MD	Ok,M
26	Q2082-11MSD	BP-VPB-182-GW-400-4	VX046308.D	21 May 2025 19:21	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX046309.D	21 May 2025 19:44		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

Review By	John Carlone	Review On	5/23/2025 4:14:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/26/2025 5:42:25 AM		
SubDirectory	VX052325	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134008
Initial Calibration Stds	
CCC	VP134009,VP134010
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	VX046330.D	23 May 2025 08:25		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046331.D	23 May 2025 09:24		JC/MD	Ok,M
3	VX0523MBL01	VX0523MBL01	VX046332.D	23 May 2025 09:53		JC/MD	Ok
4	VX0523WBL01	VX0523WBL01	VX046333.D	23 May 2025 10:16		JC/MD	Ok
5	VX0523WBS01	VX0523WBS01	VX046334.D	23 May 2025 10:57		JC/MD	Ok,M
6	VX0523MBS01	VX0523MBS01	VX046335.D	23 May 2025 11:23		JC/MD	Ok,M
7	Q2075-06ME	SS-MW1-11.5ME	VX046336.D	23 May 2025 11:46		JC/MD	Ok
8	VX0523WBSD01	VX0523WBSD01	VX046337.D	23 May 2025 12:10		JC/MD	Ok,M
9	Q2120-01	VPB182-HYD-2025052	VX046338.D	23 May 2025 12:33		JC/MD	Ok
10	Q2120-02	BP-VPB-182-EB-20250	VX046339.D	23 May 2025 12:56	EB,Hit of com.#16	JC/MD	ReRun
11	Q2118-01	BP-TPB-TB-20250520	VX046340.D	23 May 2025 13:20	TB	JC/MD	Ok
12	Q2118-05	BP-TPB-182-GW-460-4	VX046341.D	23 May 2025 13:43		JC/MD	Ok
13	Q2118-02	BP-TPB-182-GW-420-4	VX046342.D	23 May 2025 14:06		JC/MD	Ok
14	Q2118-03	BP-TPB-182-GW-450-4	VX046343.D	23 May 2025 14:29		JC/MD	Ok
15	Q2118-04	BP-TPB-182-DUP-2025	VX046344.D	23 May 2025 14:53		JC/MD	Ok
16	Q2118-06	BP-TPB-182-GW-480-4	VX046345.D	23 May 2025 15:16		JC/MD	Ok
17	Q2118-08	BP-TPB-182-GW-520-5	VX046346.D	23 May 2025 15:39		JC/MD	Ok
18	Q2118-09	BP-TPB-182-GW-540-5	VX046347.D	23 May 2025 16:03		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052325

Review By	John Carlone	Review On	5/23/2025 4:14:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/26/2025 5:42:25 AM		
SubDirectory	VX052325	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134008
Initial Calibration Stds	
CCC	VP134009,VP134010
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2118-10	BP-TPB-182-GW-560-5	VX046348.D	23 May 2025 16:26		JC/MD	Ok
20	Q2114-02	FB	VX046349.D	23 May 2025 16:49	FB	JC/MD	Ok
21	Q2106-01	TW-WTS-09	VX046350.D	23 May 2025 17:12		JC/MD	Ok
22	Q2114-01	GAW1	VX046351.D	23 May 2025 17:36		JC/MD	Ok
23	Q2123-01	STORAGE-BLANK-SO	VX046352.D	23 May 2025 17:59		JC/MD	Ok
24	Q2123-02	STORAGE-BLANK-WA	VX046353.D	23 May 2025 18:22		JC/MD	Ok
25	Q2123-03	STORAGE-BLANK-WA	VX046354.D	23 May 2025 18:45		JC/MD	Ok
26	Q2123-04	STORAGE-BLANK-SA	VX046355.D	23 May 2025 19:09		JC/MD	Ok
27	Q2120-02	BP-VPB-182-EB-20250	VX046356.D	23 May 2025 19:32	EB	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX046357.D	23 May 2025 19:55		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022252.D	15 May 2025 07:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022258.D	15 May 2025 11:47		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022259.D	15 May 2025 12:34		SY/MD	Ok
9	VSTDICV050	ICVVY051525	VY022260.D	15 May 2025 13:20		SY/MD	Ok,M
10	VY0515SBL01	VY0515SBL01	VY022261.D	15 May 2025 13:44		SY/MD	Ok
11	VY0515SBS01	VY0515SBS01	VY022262.D	15 May 2025 14:07		SY/MD	Ok,M
12	VY0515SBSD01	VY0515SBSD01	VY022263.D	15 May 2025 14:29		SY/MD	Ok,M
13	Q1984-01	OU4-PCS-TC-33-05072	VY022264.D	15 May 2025 15:12	vial-A	SY/MD	Ok
14	Q1984-03	OU4-PCS-TC-34-05072	VY022265.D	15 May 2025 15:35	vial-A	SY/MD	Ok
15	Q1984-05	OU4-PCS-TC-35-05072	VY022266.D	15 May 2025 15:59	vial-A	SY/MD	Ok
16	Q1984-07	OU4-TS-24-050725	VY022267.D	15 May 2025 16:22	vial-A Surrogate fail	SY/MD	ReRun
17	Q1984-09	OU4-TS-25-050725	VY022268.D	15 May 2025 16:46	vial-A Surrogate fail	SY/MD	Not Ok
18	Q1984-11	OU4-TS-26-050725	VY022269.D	15 May 2025 17:09	vial-A Surrogate fail	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1984-13	OU4-TS-27-050725	VY022270.D	15 May 2025 17:33	vial-A Surrogate fail	SY/MD	Not Ok
20	Q1984-15	OU4-TS-28-050725	VY022271.D	15 May 2025 17:56	vial-A Surrogate fail	SY/MD	ReRun
21	Q1982-04	TP-4	VY022272.D	15 May 2025 18:19	vial-A	SY/MD	Ok
22	Q1982-05	TP-5	VY022273.D	15 May 2025 18:43	vial-A	SY/MD	Ok
23	Q1982-06	TP-6	VY022274.D	15 May 2025 19:06	vial-A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY022275.D	15 May 2025 19:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM		
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022328.D	20 May 2025 08:09		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022329.D	20 May 2025 08:40		SY/MD	Ok,M
3	VY0520SBL01	VY0520SBL01	VY022330.D	20 May 2025 09:48		SY/MD	Ok
4	VY0520SBS01	VY0520SBS01	VY022331.D	20 May 2025 10:21		SY/MD	Ok,M
5	VY0520SBSD01	VY0520SBSD01	VY022332.D	20 May 2025 10:43		SY/MD	Ok,M
6	Q2062-19	L1-WC-5-VOC	VY022333.D	20 May 2025 11:28	vial-B	SY/MD	Ok
7	Q2062-23	L1-WC-6-VOC	VY022334.D	20 May 2025 11:51	vial-B	SY/MD	Ok
8	Q2071-11	L1-WC-9-VOC	VY022335.D	20 May 2025 12:15	vial-B	SY/MD	Ok
9	Q2056-02	GVD12	VY022336.D	20 May 2025 12:38	vial-B	SY/MD	Ok
10	Q2056-03	GVD13	VY022337.D	20 May 2025 13:01	vial-B	SY/MD	Ok
11	Q2056-04	GVD14	VY022338.D	20 May 2025 13:25	vial-A	SY/MD	Ok
12	Q2056-05	GVD15	VY022339.D	20 May 2025 13:48	vial-A Internal standard fail	SY/MD	Not Ok
13	Q2080-02	PL-HRH-VOC-01	VY022340.D	20 May 2025 14:12	vial-A	SY/MD	Ok
14	Q2080-08	PL-HRH-VOC-02	VY022341.D	20 May 2025 14:35	vial-A	SY/MD	Ok
15	Q2032-02	TP-29	VY022342.D	20 May 2025 14:59	vial-A	SY/MD	Ok
16	Q2075-01	SS-10	VY022343.D	20 May 2025 15:22	vial-A	SY/MD	Ok
17	Q2075-02	SS-910	VY022344.D	20 May 2025 15:45	vial-A	SY/MD	Ok
18	Q2075-03	SS-11	VY022345.D	20 May 2025 16:09	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052025

Review By	Mahesh Dadoda	Review On	5/21/2025 3:43:30 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/23/2025 2:22:55 AM		
SubDirectory	VY052025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133969
Initial Calibration Stds	
CCC	VP133970,VP133971
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2084-02	OR-640-VOC-66	VY022346.D	20 May 2025 16:32	vial-A	SY/MD	Ok
20	Q2032-01	TP-11	VY022347.D	20 May 2025 16:56	vial-A Surrogate fail;Need MeOH	SY/MD	Dilution
21	Q2032-05MS	TP-24MS	VY022348.D	20 May 2025 17:19	vial-B	SY/MD	Ok,M
22	Q2032-06MSD	TP-24MSD	VY022349.D	20 May 2025 17:41	vial-B Internal standard fail	SY/MD	Ok,M
23	Q2075-04MS	SS-11MS	VY022350.D	20 May 2025 18:04	vial-A	SY/MD	Ok,M
24	Q2075-05MSD	SS-11MSD	VY022351.D	20 May 2025 18:26	vial-A	SY/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VY022352.D	20 May 2025 19:34	ENDCCC failed for com.#06	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/23/2025 4:07:06 PM		
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134001
Initial Calibration Stds	
CCC	VP134002,VP134003
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022379.D	22 May 2025 08:05		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022380.D	22 May 2025 08:35		SY/MD	Ok,M
3	VY0522SBL01	VY0522SBL01	VY022381.D	22 May 2025 09:07		SY/MD	Ok
4	VY0522SBS01	VY0522SBS01	VY022382.D	22 May 2025 09:36		SY/MD	Ok,M
5	VY0522SBSD01	VY0522SBSD01	VY022383.D	22 May 2025 09:59		SY/MD	Ok,M
6	Q2087-03RE	NB-08-05202025RE	VY022384.D	22 May 2025 10:38	vial-B ,Internal Standard Fail	SY/MD	Confirms
7	Q2101-03	TP-1-MHE-VOC	VY022385.D	22 May 2025 11:01	vial-B	SY/MD	Ok
8	Q2097-11RE	RT3419RE	VY022386.D	22 May 2025 11:25	vial-B ,Internal Standard Fail	SY/MD	Confirms
9	Q2102-01	LAW-25-0077	VY022387.D	22 May 2025 11:48	vial-B	SY/MD	Ok
10	Q2104-01RE	TR-06-052125RE	VY022388.D	22 May 2025 12:11	vial-B ,Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
11	Q2074-01	TP-12	VY022389.D	22 May 2025 12:35	vial-A	SY/MD	Ok
12	Q2074-02	TP-7	VY022390.D	22 May 2025 12:58	vial-A	SY/MD	Ok
13	Q2074-03	TP-15	VY022391.D	22 May 2025 13:22	vial-A	SY/MD	Ok
14	Q2074-04	TP-20	VY022392.D	22 May 2025 13:45	vial-A	SY/MD	Ok
15	Q2074-05	TP-38	VY022393.D	22 May 2025 14:09	vial-A	SY/MD	Ok
16	Q2074-06	TP-19	VY022394.D	22 May 2025 14:32	vial-A	SY/MD	Ok
17	Q2074-07	TP-40	VY022395.D	22 May 2025 14:55	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY052225

Review By	John Carlone	Review On	5/23/2025 11:05:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/23/2025 4:07:06 PM		
SubDirectory	VY052225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134001
Initial Calibration Stds	
CCC	VP134002,VP134003
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2074-08	TP-18	VY022396.D	22 May 2025 15:19	vial-A	SY/MD	Ok
19	Q2100-01	TP-16	VY022397.D	22 May 2025 15:42	vial-A ,Internal Standard Fail	SY/MD	ReRun
20	Q2100-02	TP-22	VY022398.D	22 May 2025 16:06	vial-A	SY/MD	Ok
21	Q2100-03	TP-21	VY022399.D	22 May 2025 16:29	vial-A ,Not purge	SY/MD	Not Ok
22	Q2100-04	TP-45	VY022400.D	22 May 2025 16:53	vial-A	SY/MD	Ok
23	Q2112-01	EO-03-05222025	VY022401.D	22 May 2025 17:16	vial-A ,Internal Standard Fail	SY/MD	ReRun
24	Q2109-03	TP-02-MHF-VOC	VY022402.D	22 May 2025 17:40	vial-A	SY/MD	Ok
25	Q2075-06	SS-MW1-11.5	VY022403.D	22 May 2025 18:03	vial-A ,Need MeOH	SY/MD	Dilution
26	VIBLK	VIBLK	VY022404.D	22 May 2025 18:26		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022405.D	22 May 2025 18:49		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 05/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135825

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1984-19	OU4-TB01-050725	1	1.00	1.00	2.00	2.00	100.0	T.B.
Q2074-01	TP-12	2	1.18	10.28	11.46	9.76	83.5	
Q2074-02	TP-7	3	1.18	10.15	11.33	10.18	88.7	
Q2074-03	TP-15	4	1.13	10.33	11.46	10.12	87.0	
Q2074-04	TP-20	5	1.12	10.65	11.77	10.1	84.3	
Q2074-05	TP-38	6	1.18	10.19	11.37	9.53	81.9	
Q2074-06	TP-19	7	1.16	10.12	11.28	9.85	85.9	
Q2074-07	TP-40	8	1.14	9.89	11.03	9.96	89.2	
Q2074-08	TP-18	9	1.15	10.16	11.31	9.07	78.0	
Q2075-01	SS-10	10	1.16	10.56	11.72	9.59	79.8	
Q2075-02	SS-910	11	1.17	10.05	11.22	9.34	81.3	
Q2075-03	SS-11	12	1.18	10.51	11.69	10.37	87.4	
Q2075-04	Q2075-03MS	13	1.18	10.51	11.69	10.37	87.4	
Q2075-05	Q2075-03MSD	14	1.18	10.51	11.69	10.37	87.4	
Q2075-06	SS-MW1-11.5	15	1.14	10.00	11.14	10.24	91.0	
Q2076-01	OILY-DEBRIS	16	1.00	1.00	2.00	2.00	100.0	oily-debris
Q2080-01	PL-HRH-COMP-01	17	1.13	10.62	11.75	10.32	86.5	
Q2080-02	PL-HRH-VOC-01	18	1.17	10.22	11.39	9.6	82.5	
Q2080-03	PL-HRH-01	19	1.12	10.77	11.89	10.16	83.9	
Q2080-04	PL-HRH-02	20	1.16	10.40	11.56	9.82	83.3	
Q2080-05	PL-HRH-03	21	1.15	10.00	11.15	9.43	82.8	
Q2080-07	PL-HRH-COMP-02	22	1.19	10.46	11.65	9.62	80.6	
Q2080-08	PL-HRH-VOC-02	23	1.14	10.76	11.9	9.8	80.5	
Q2080-09	PL-HRH-04	24	1.16	10.70	11.86	9.55	78.4	
Q2080-10	PL-HRH-05	25	1.19	10.43	11.62	9.52	79.9	
Q2080-11	PL-HRH-06	26	1.13	10.74	11.87	10.2	84.5	
Q2081-01	CAULK	27	1.00	1.00	2.00	2.00	100.0	caluk

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 05/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135825

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 135825

WorkList Name : %1-051925 **WorkList ID :** 189586 **Department :** Wet-Chemistry **Date :** 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1984-19	OU4-TB01-050725	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	05/07/2025	Chemtech -SO
Q2074-01	TP-12	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-02	TP-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-03	TP-15	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-04	TP-20	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-05	TP-38	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-06	TP-19	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-07	TP-40	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2074-08	TP-18	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2075-01	SS-10	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/16/2025	Chemtech -SO
Q2075-02	SS-910	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-03	SS-11	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-04	Q2075-03MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-05	Q2075-03MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2075-06	SS-MW1-11.5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/15/2025	Chemtech -SO
Q2076-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/16/2025	Chemtech -SO
Q2080-01	PL-HRH-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-02	PL-HRH-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-03	PL-HRH-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-04	PL-HRH-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-05	PL-HRH-03	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO

Date/Time 05-19-25 15:35

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 05-19-25 17:15

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 135825

WorkList Name : %1-051925 **WorkList ID :** 189586 **Department :** Wet-Chemistry **Date :** 05-19-2025 08:23:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2080-07	PL-HRH-COMP-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-08	PL-HRH-VOC-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-09	PL-HRH-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-10	PL-HRH-05	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2080-11	PL-HRH-06	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/19/2025	Chemtech -SO
Q2081-01	CAULK	Solid	Percent Solids	Cool 4 deg C	ATCE02	L31	05/19/2025	Chemtech -SO

Date/Time 05.19.25 15:35

Raw Sample Received by: JP (4°C)

Raw Sample Relinquished by:

Date/Time 05.19.25 17:15

Raw Sample Received by:

Raw Sample Relinquished by: JP 4°C

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Prep Standard - Chemical Standard Summary

Order ID : Q2075

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VX052125,VX052325,vy052025,vy052225,

Standard ID :
VP132035,VP132036,VP132096,VP132098,VP133174,VP133175,VP133758,VP133759,VP133887,VP133888,VP133934,VP133935,VP133953,VP133969,VP133970,VP133971,VP133985,VP133986,VP133987,VP133991,VP133995,VP134001,VP134002,VP134003,VP134008,VP134009,VP134010,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14290,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14614,V14615,V14620,V14626,V14630,V14631,V14632,V14633,V14711,V14717,V14718,V14721,V14749,V14750,V14811,V14812,V14843,V14915,V14916,V14917,V14918,V14921,V14944,V14945,V14946,V14947,W3112,

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VOC STANDARD PREPARATION LOG

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 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
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = 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
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = 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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133758	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 1.00000ml of V14915 + 1.00000ml of V14916 + 1.00000ml of V14917 + 1.00000ml of V14918 + 21.00000ml of V14615 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133759	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 5.62500ml of V14615 + 9.37500ml of VP133758 = Final Quantity: 15.000 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	VP133887	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133888	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 5.62500ml of V14921 + 9.37500ml of VP133887 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP133935	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14921 = 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
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133969	05/20/2025	05/21/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP133953 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133970	05/20/2025	05/21/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP133971	05/20/2025	05/21/2025	Amit Patel	None	None	Mahesh Dadoda 05/21/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00500ml of VP133934 = Final Quantity: 5.000 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	VP133985	05/21/2025	05/22/2025	John Carlone	None	None	Mahesh Dadoda 05/23/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = 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	VP133986	05/21/2025	05/22/2025	John Carlone	None	None	Mahesh Dadoda 05/23/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133758 + 0.01250ml of VP133887 = 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	VP133987	05/21/2025	05/22/2025	John Carlone	None	None	Mahesh Dadoda 05/23/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133758 + 0.01250ml of VP133887 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133991	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 1.00000ml of V14944 + 1.00000ml of V14945 + 1.00000ml of V14946 + 1.00000ml of V14947 + 21.00000ml of V14620 = 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
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133995	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 5.62500ml of V14620 + 9.37500ml of VP133991 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP134001	05/22/2025	05/23/2025	Amit Patel	None	None	Mahesh Dadoda 05/24/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP133953 = Final Quantity: 5.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134002	05/22/2025	05/23/2025	Amit Patel	None	None	Mahesh Dadoda 05/24/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00250ml of VP133995 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134003	05/22/2025	05/23/2025	Amit Patel	None	None	Mahesh Dadoda 05/24/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133759 + 0.00250ml of VP133888 + 0.00250ml of VP133995 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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	VP134008	05/23/2025	05/24/2025	John Carlone	None	None	Mahesh Dadoda 05/24/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = 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	VP134009	05/23/2025	05/24/2025	John Carlone	None	None	Mahesh Dadoda 05/24/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133887 + 0.01250ml of VP133991 = Final Quantity: 40.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP134010	05/23/2025	05/24/2025	John Carlone	None	None	Mahesh Dadoda 05/24/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133887 + 0.01250ml of VP133991 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

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	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

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	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

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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	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

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	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

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	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

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	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14503

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	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14504

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)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

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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)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

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	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

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

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	09/19/2025	03/19/2025 / SAM	11/26/2024 / SAM	V14615

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	10/25/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14620

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)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

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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 #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14711

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	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14717

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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	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14718

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	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14721

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	A0216826	11/13/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14749

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	A0216826	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14750

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	A0220471	11/12/2025	05/12/2025 / SAM	01/08/2025 / SAM	V14811

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	A0220471	06/30/2026	05/12/2025 / SAM	01/08/2025 / SAM	V14812

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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	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14915

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14918

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)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14944

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14945

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14947

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

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
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

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

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 Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

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 %
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

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
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Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

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 Ethier

Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

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	(0466)	MKBP6041V	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)	IK18CAS0000	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	(0381)	06128PX	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)	SHBF8718V	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)	18930	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 846mg/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 108mg/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	20.8	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 (45mg/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 756mg/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	1999.8	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	1999.8	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 8040mg/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 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

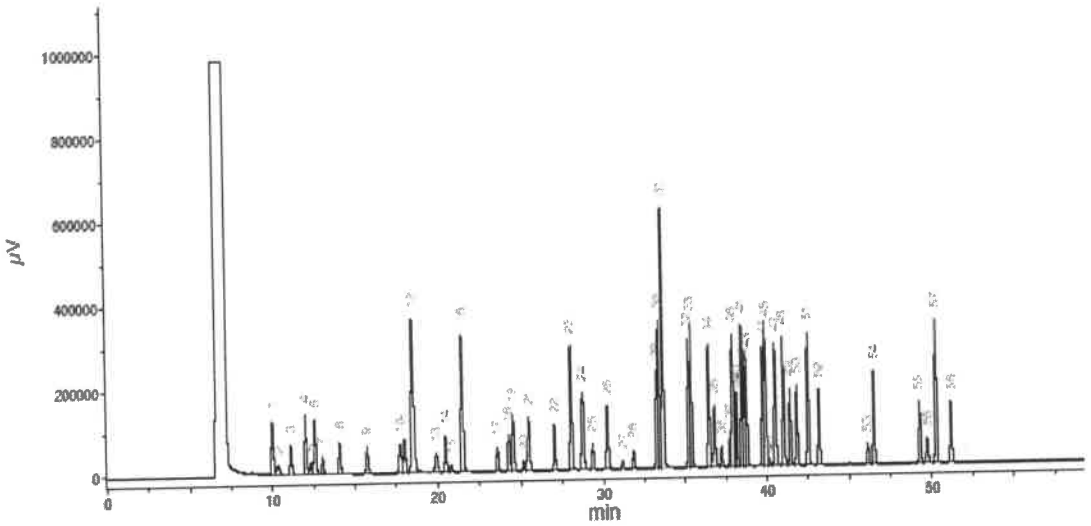
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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).

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-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	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	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
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	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
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	37.92
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	39.76
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	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
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	**1-352-323-3500**
		Date Prepared/Revised	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

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By:	Prashant Chauhan	021624 DATE
Reviewed By:	Pedro L. Rentas	021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

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	(0466)	MKBP6041V	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)	IK18CAS0000	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	(0381)	06128PX	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)	SHBF8718V	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)	18930	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 846mg/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 108mg/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	20.8	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 (45mg/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 756mg/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	1999.8	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	1999.8	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 8040mg/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 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

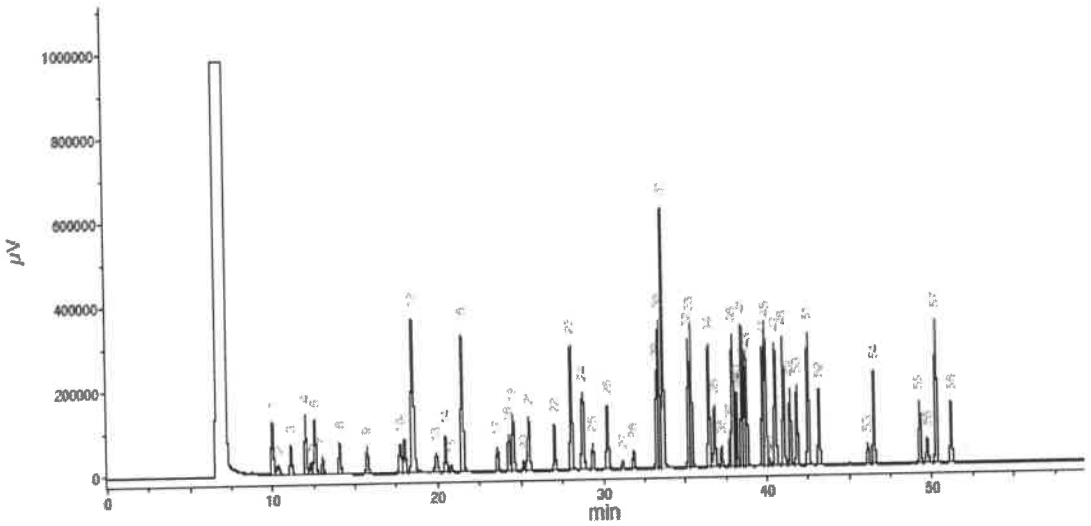
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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).

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-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	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	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
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	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
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	37.92
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	39.76
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	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
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	**1-352-323-3500**
		Date Prepared/Revised	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

Rec 04/24/25 5 N 104

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Water	072324Q

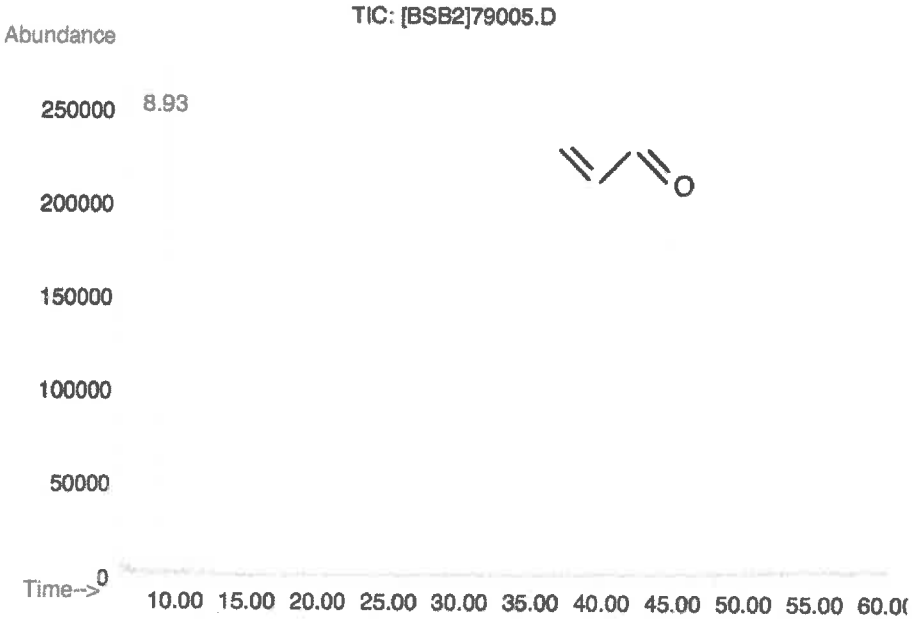
V14914 to V14918

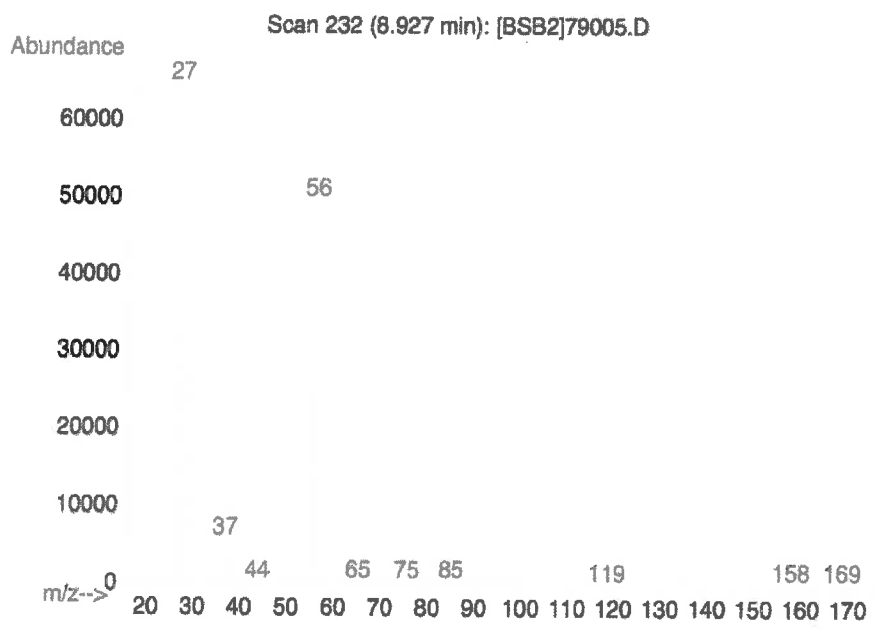
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Eli Aliaga	042325
Formulated By: Eli Aliaga	DATE
Pedro Rentas	042325
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	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 by an ISO 17025 certified organization wtih weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 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).

Rev 1.0, 2/25/2025

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.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

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 04/24/25 5 N 104

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Water	072324Q

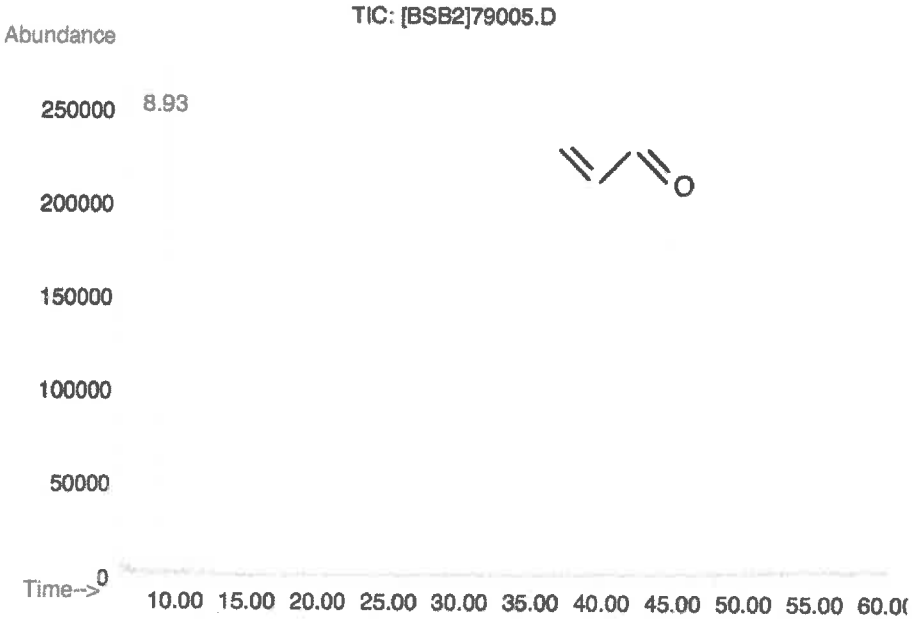
V14914 to V14918

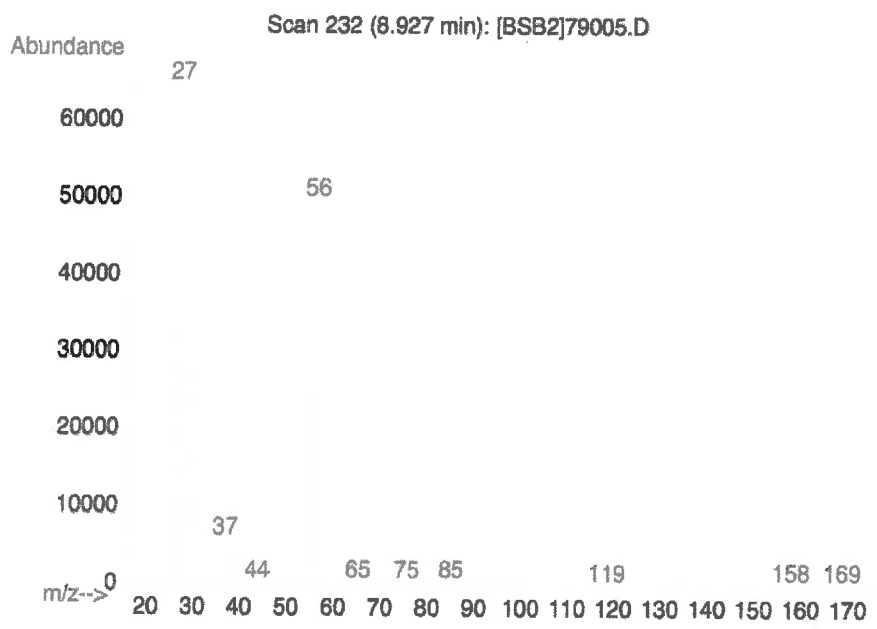
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Eli Aliaga	042325
Formulated By: Eli Aliaga	DATE
Pedro Rentas	042325
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	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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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

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

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Certified Reference Material CRM

Rec 04/24/25 5 N 104

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Water	072324Q

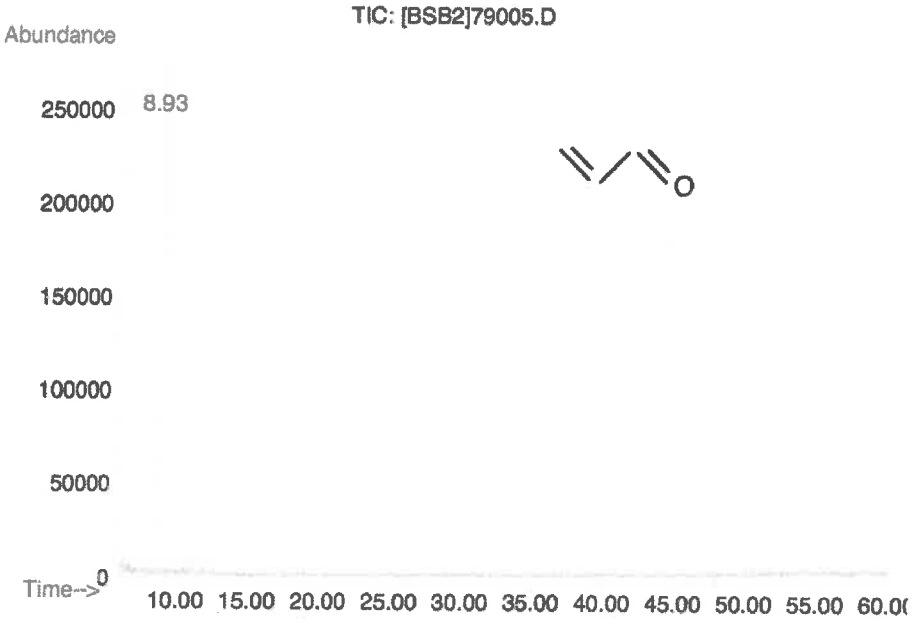
V14914 to V14918

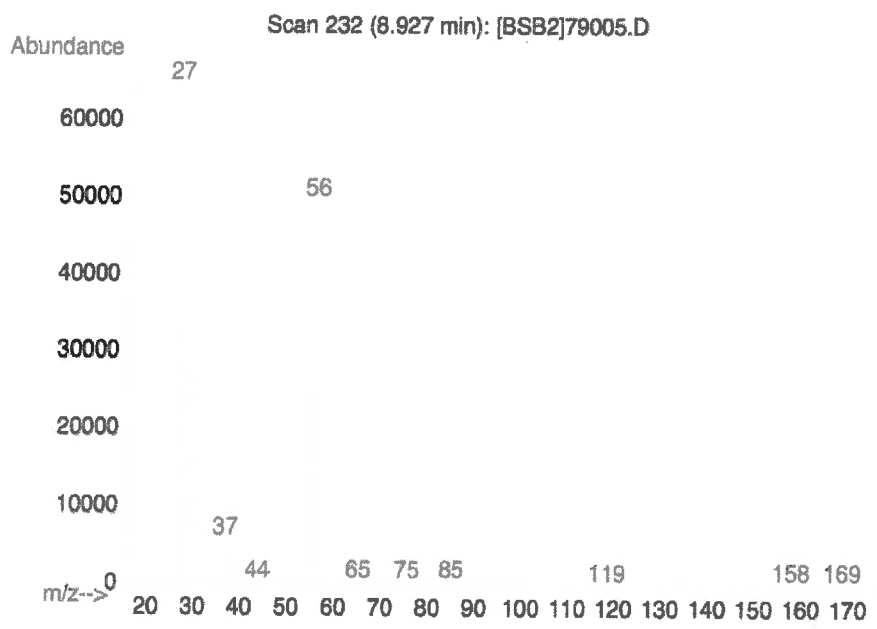
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Eli Aliaga	042325
Formulated By: Eli Aliaga	DATE
Pedro Rentas	042325
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	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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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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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

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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

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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

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Solvent(s):	Lot#
Water	072324Q

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Eli Aliaga	042325
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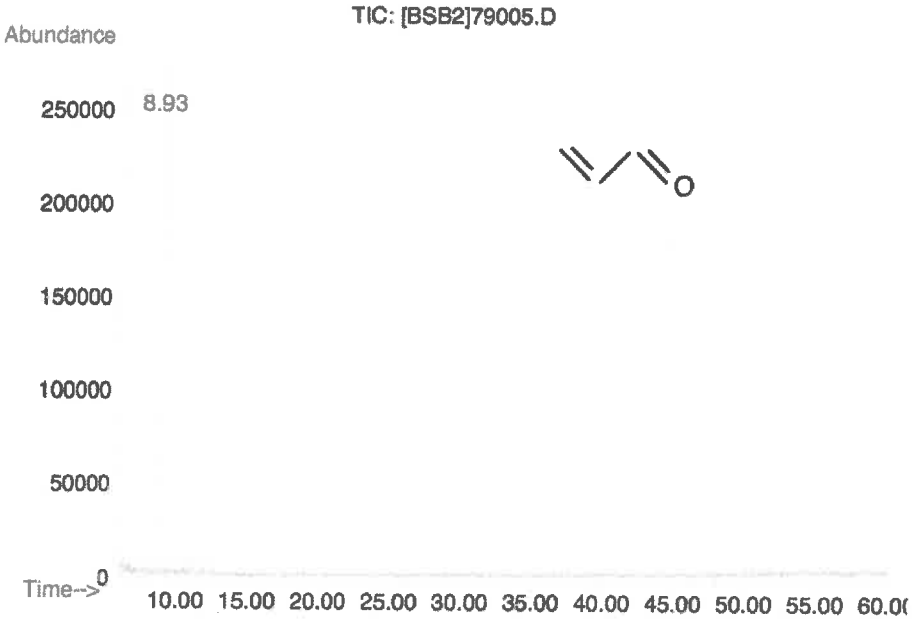
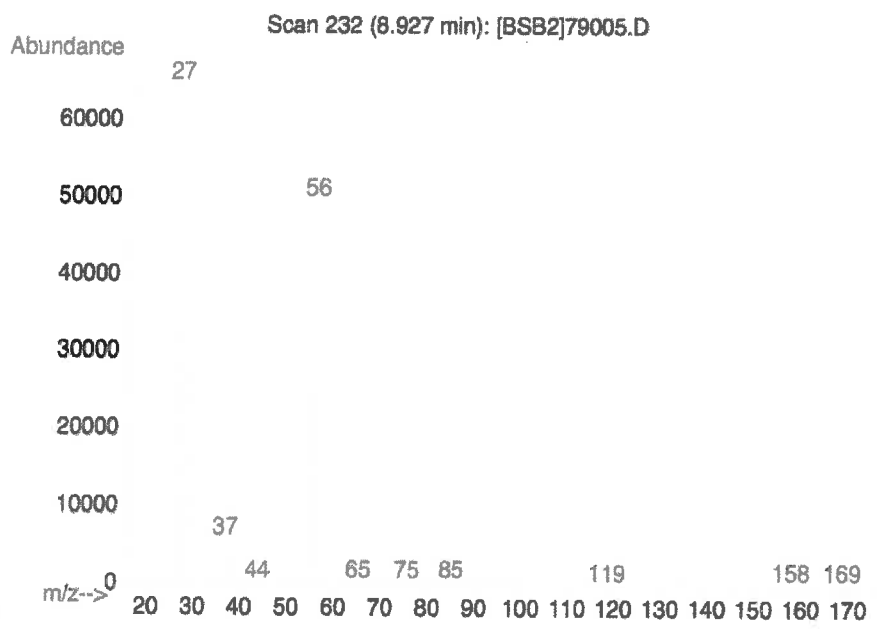
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

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 by an ISO 17025 certified organization wtih weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 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).

Rev 1.0, 2/25/2025

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.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

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 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

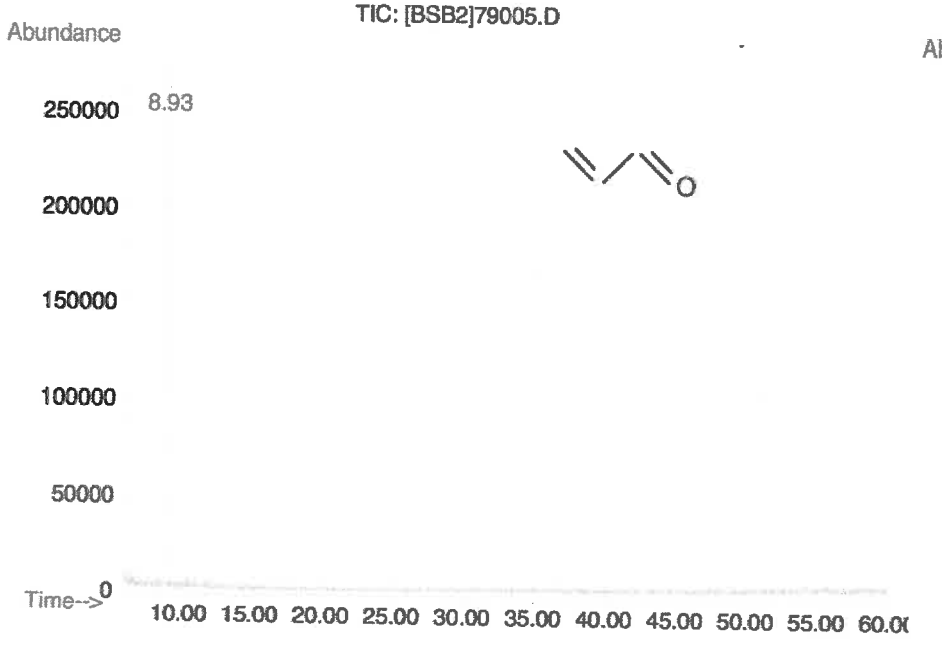
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

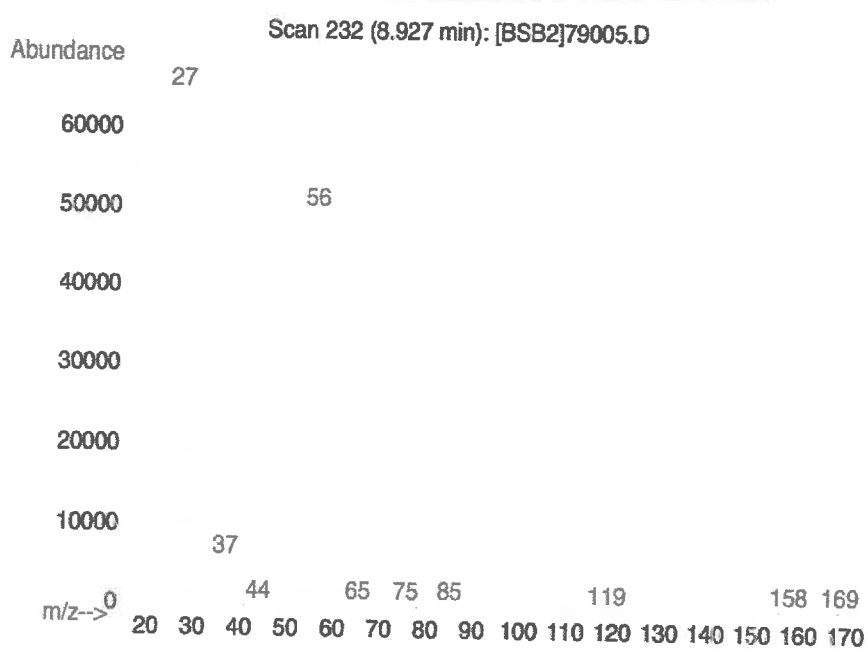
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	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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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

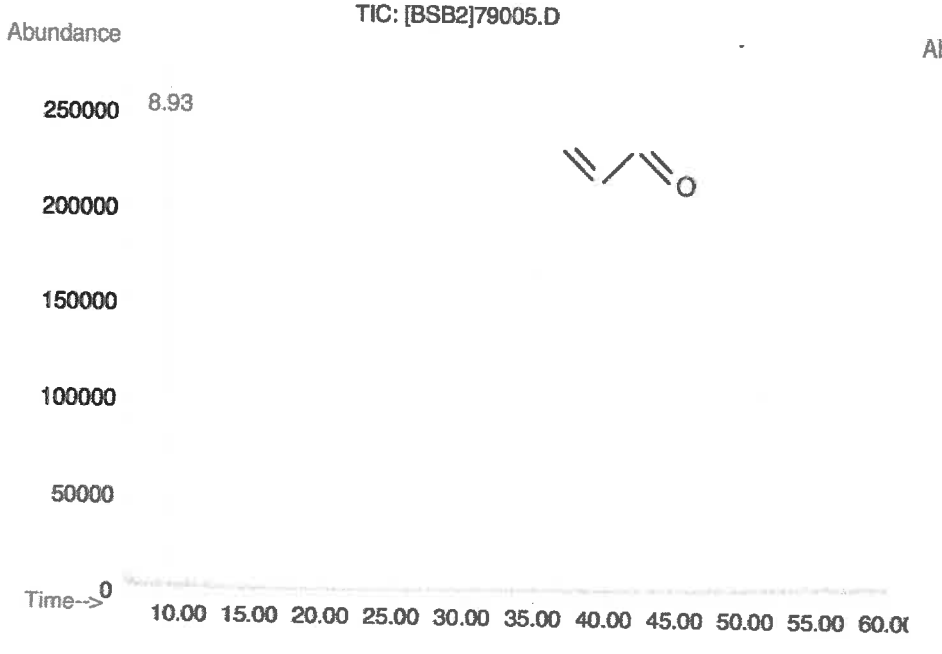
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

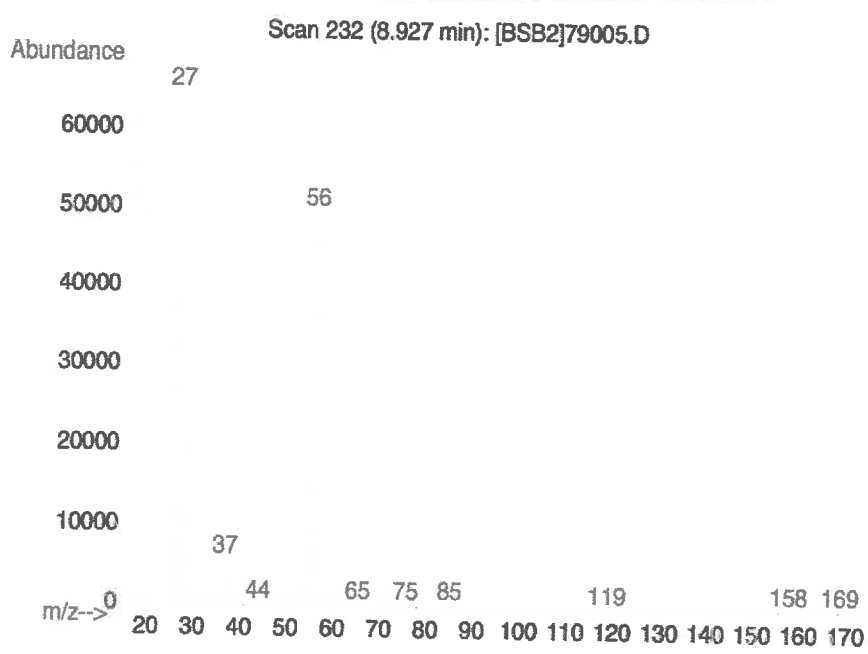
Formulated By: Justin Dippold 091424 DATE

Reviewed By: Pedro L. Rentas 091424 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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	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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Certified Reference Material CRM

Rec 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

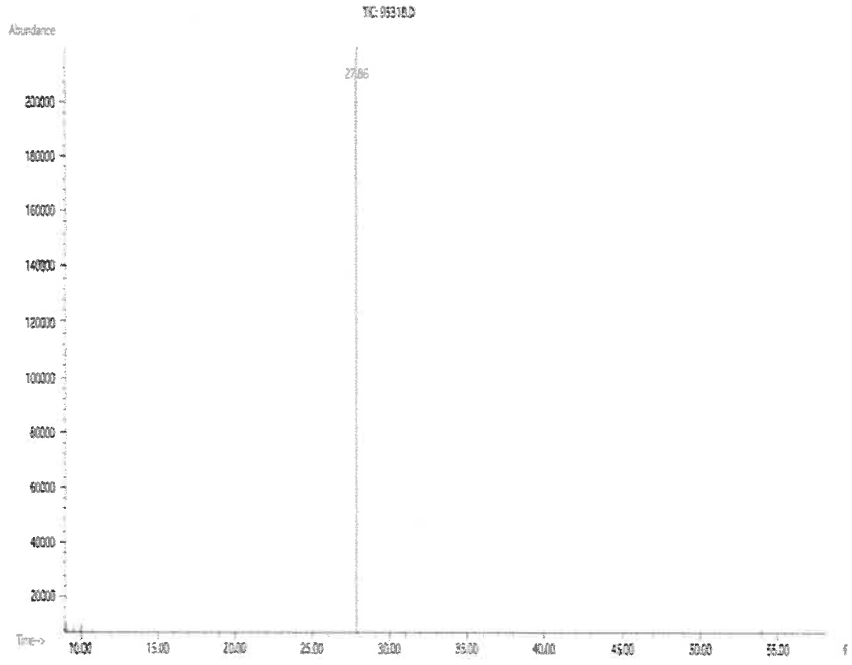
V14630 to V14649

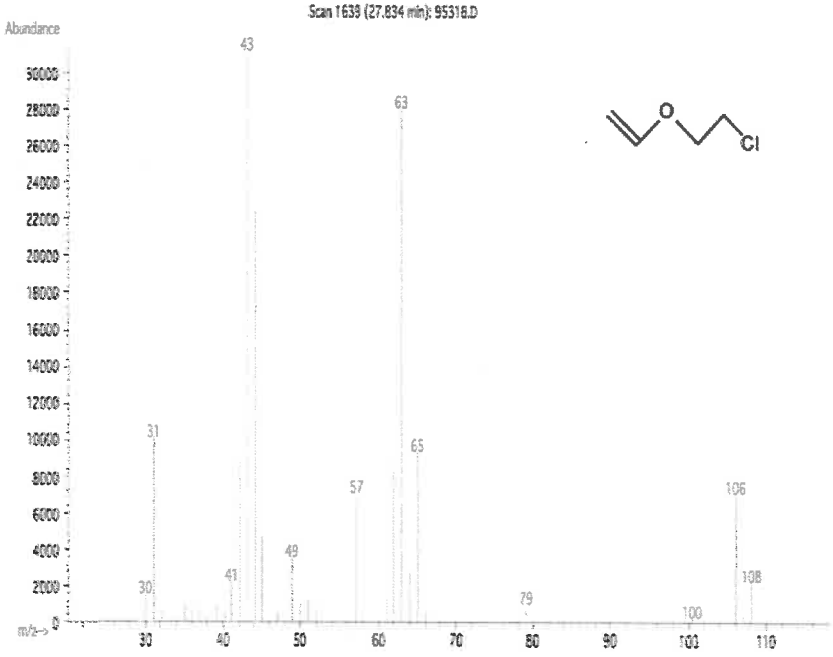
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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)	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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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.

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Certified Reference Material CRM

Rec 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

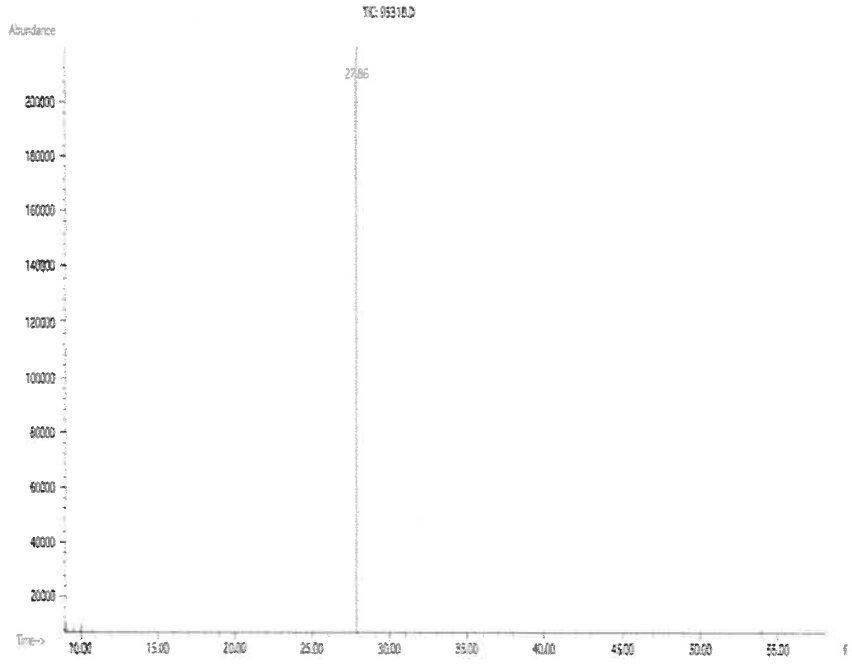
V14630 to V14649

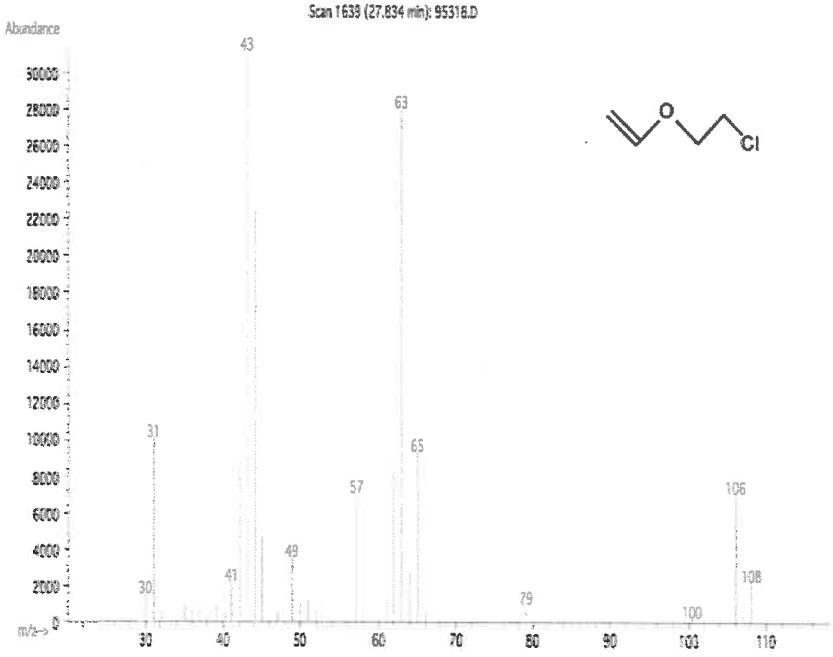
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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)	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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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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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

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 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

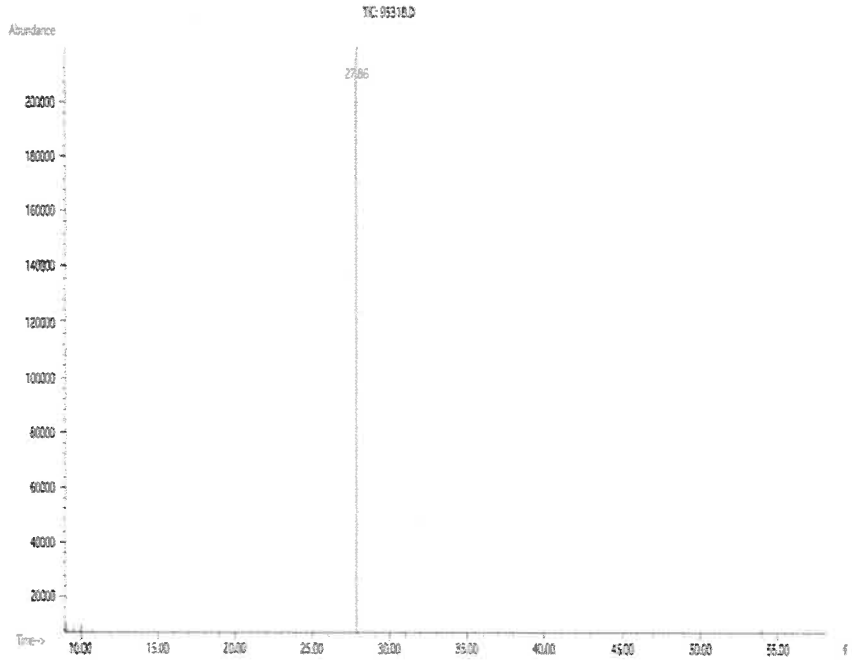
V14630 to V14649

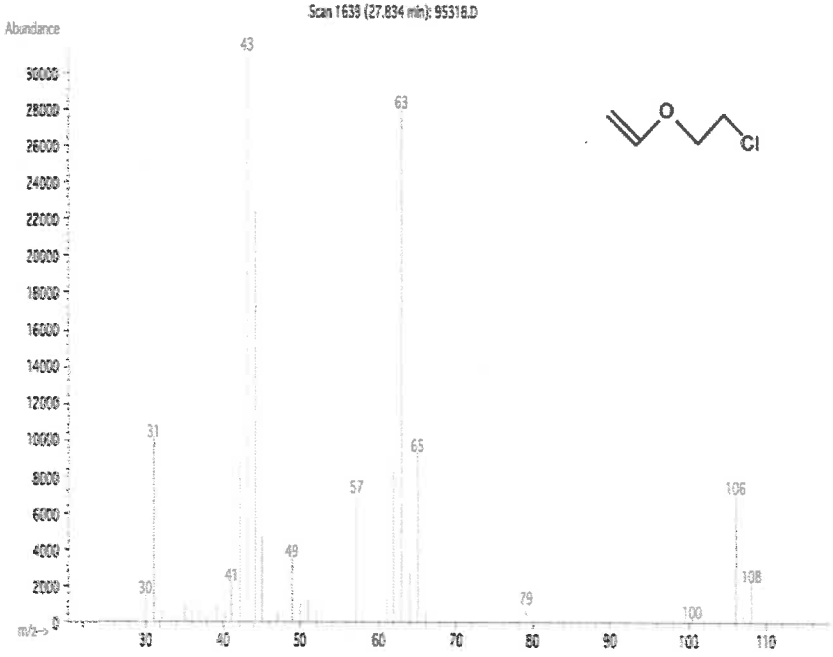
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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)	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.
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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**
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
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See Certified Weight Report For Other Analytes Present At Trace Quantities.

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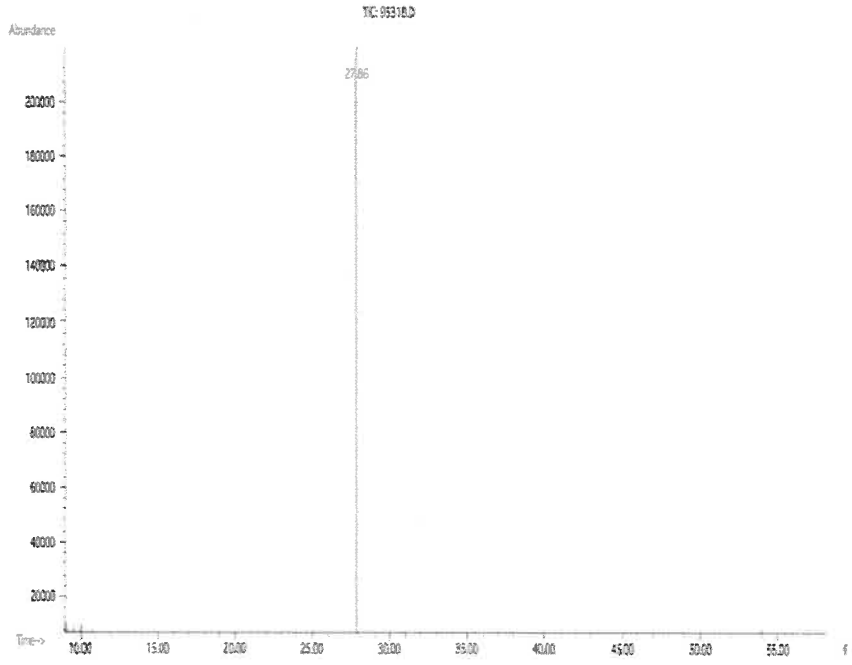

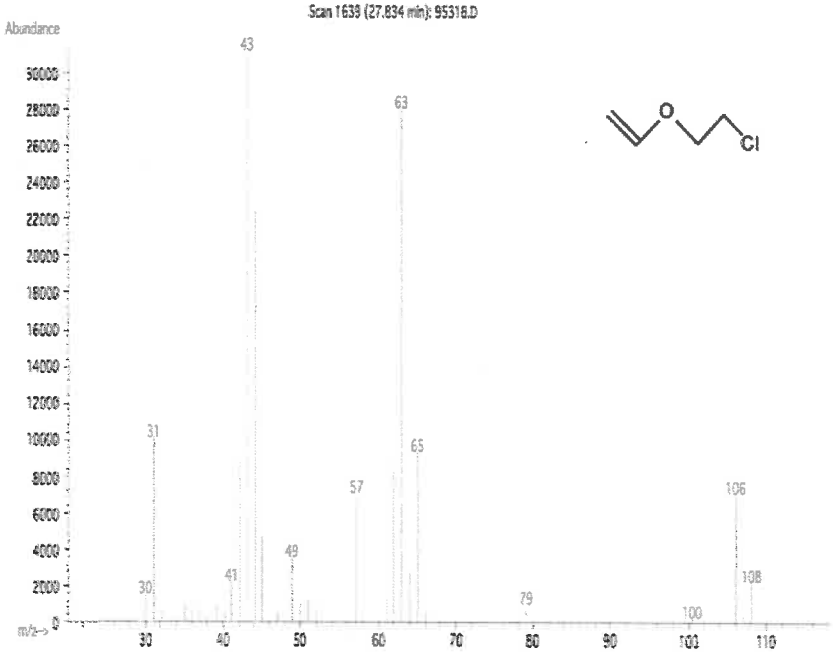

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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.)

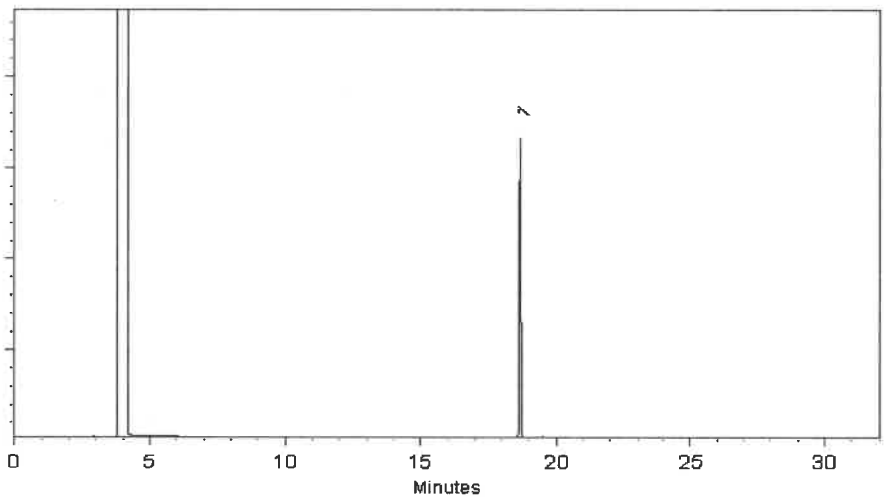
Inj. Temp:
200°C

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.

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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.)

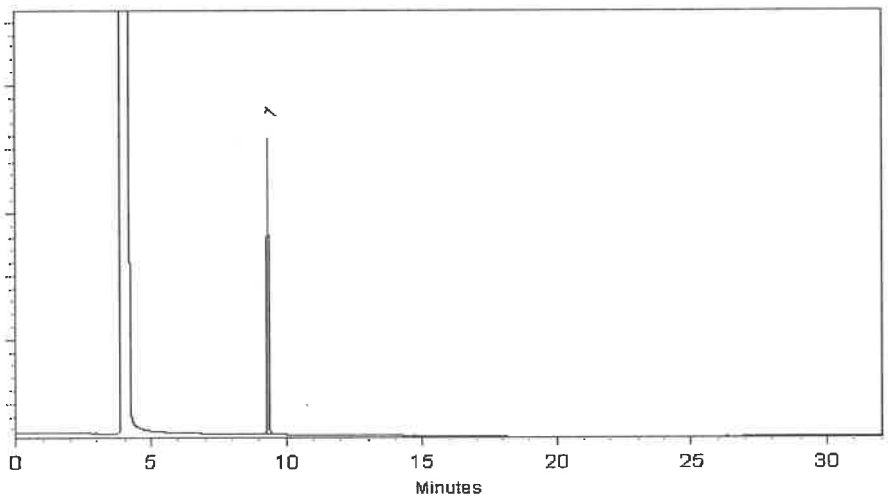
Inj. Temp:
200°C

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.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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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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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.)

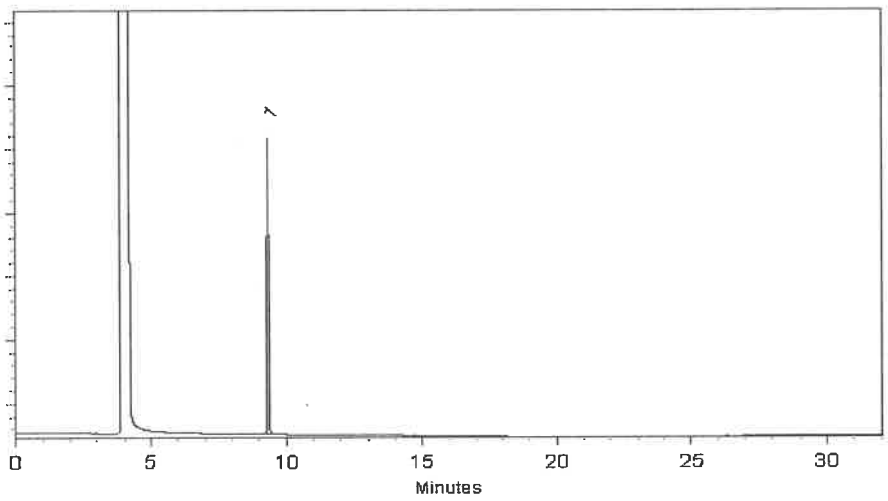
Inj. Temp:
200°C

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:

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- 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.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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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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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.)

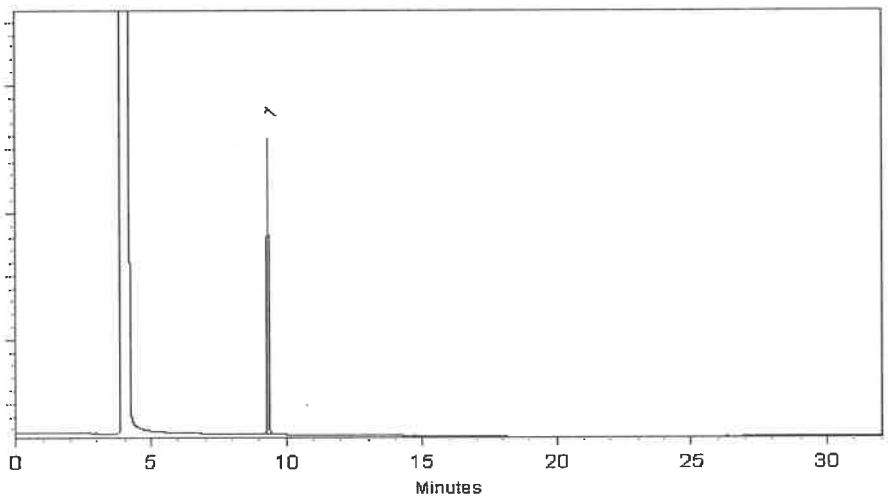
Inj. Temp:
200°C

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:

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Purity Notes:

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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.)

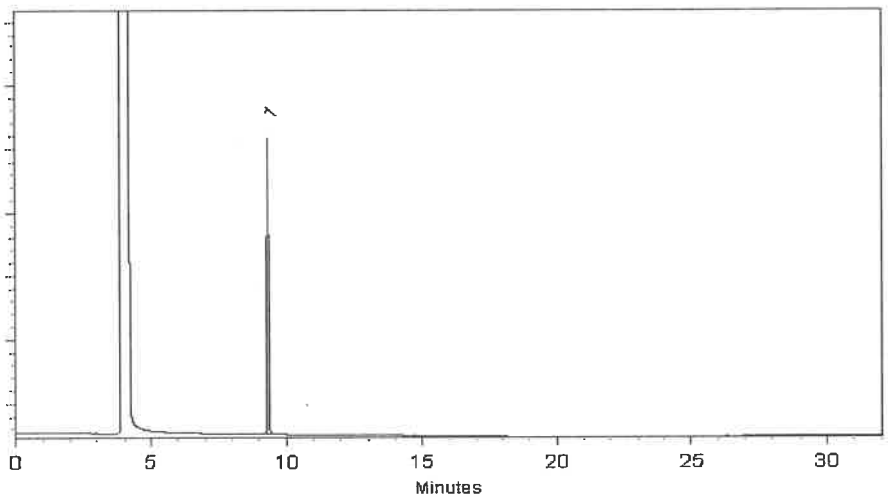
Inj. Temp:
200°C

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:

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Purity Notes:

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Certified Uncertainty Value Notes:

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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:

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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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.)

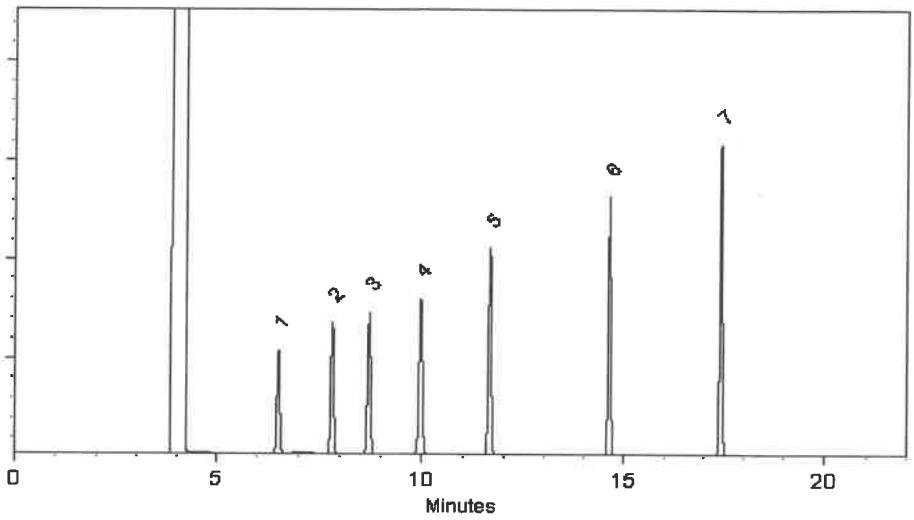
Inj. Temp:
200°C

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.
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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.)

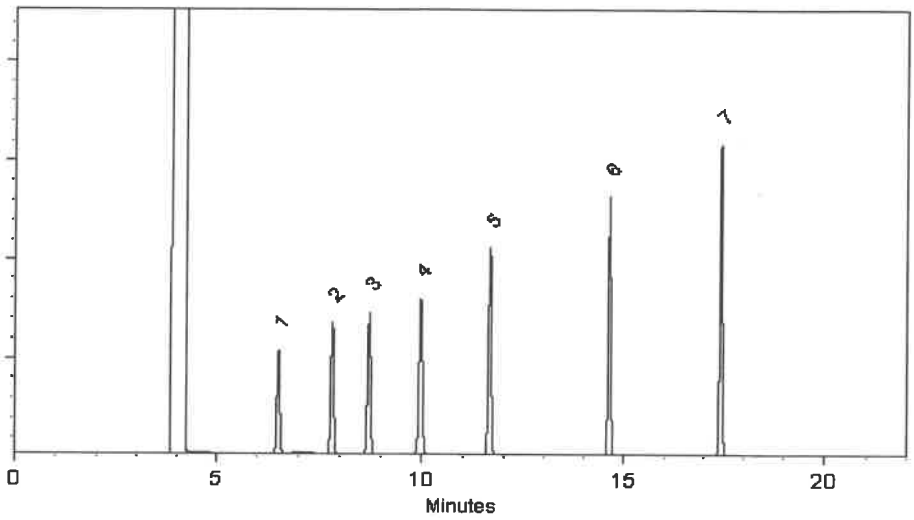
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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.
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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. : 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

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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  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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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.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

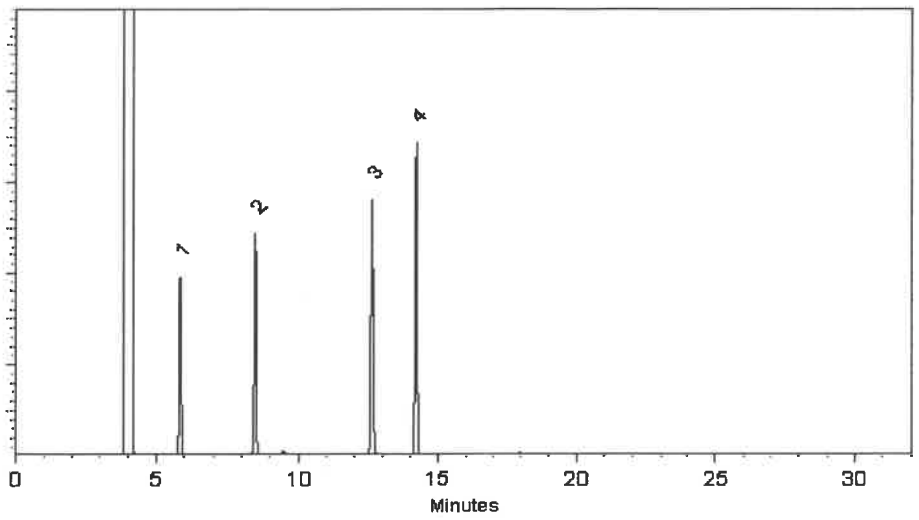
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-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.
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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. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

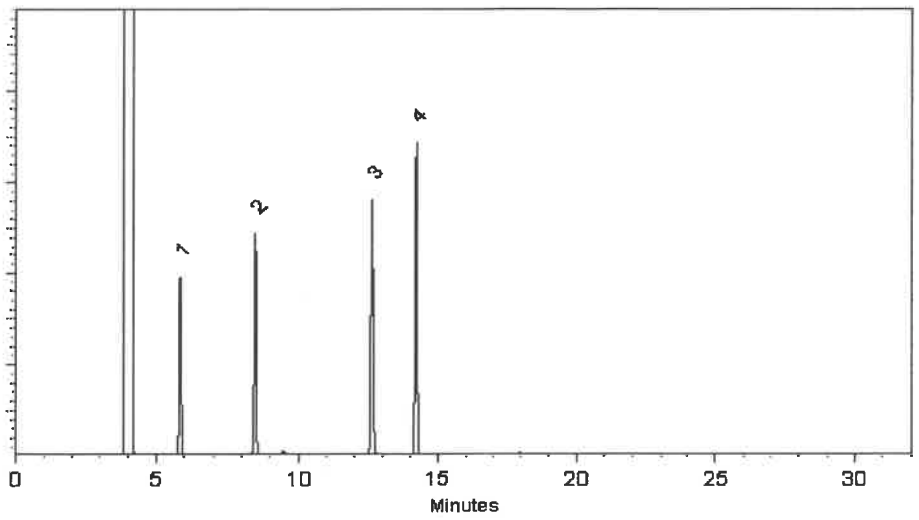
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-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.
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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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:
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Det. Temp:
250°C

Det. Type:
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Split Vent:
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Inj. Vol
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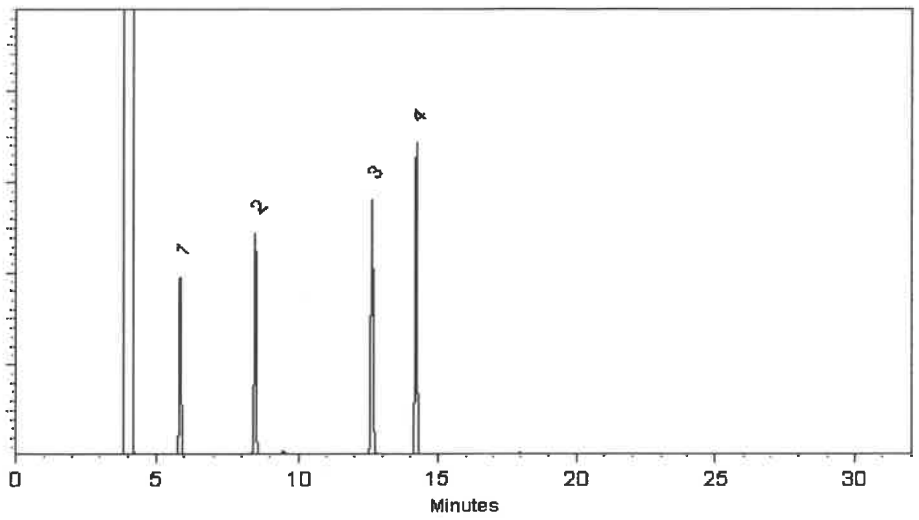

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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- 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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CERTIFIED REFERENCE MATERIAL

30 V.4

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V14697-to-14726

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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. : 30006 **Lot No.:** A0210618

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 : July 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	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* 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.)

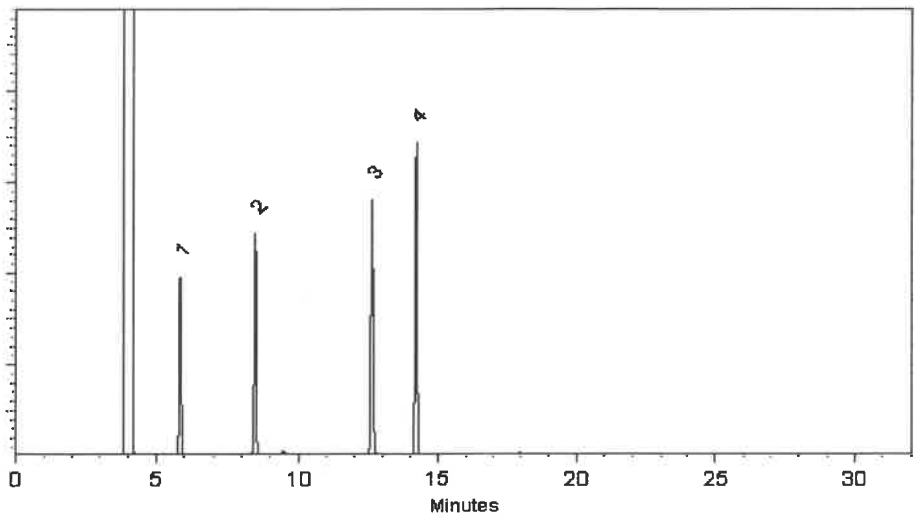
Inj. Temp:
200°C

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.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-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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CERTIFIED REFERENCE MATERIAL

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V14727 to V14756

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. : 30042 **Lot No.:** A0216826

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 : May 31, 2031 **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	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* 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.

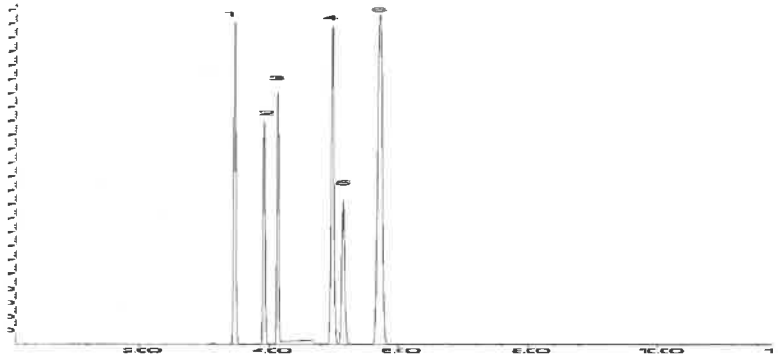
Inj. Temp:
200°C

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: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-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:

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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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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

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. : 30042 **Lot No.:** A0216826

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 : May 31, 2031 **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	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* 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.

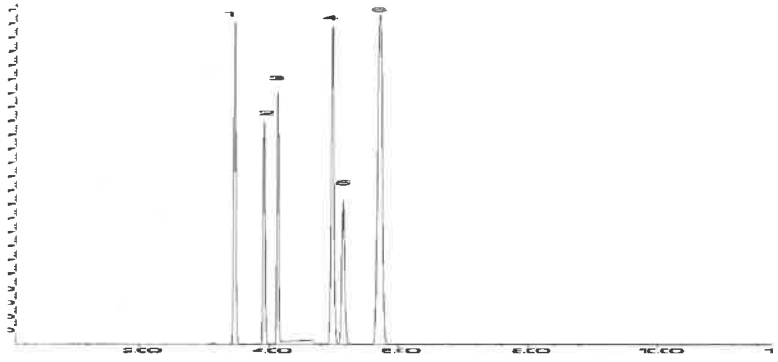
Inj. Temp:
200°C

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: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-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.
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Certificate of Analysis

chromatographic plus

J14842 to 14846

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Reference Material Producer
Certificate #3222.01

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.:** A0217535

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 : October 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	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* 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.)

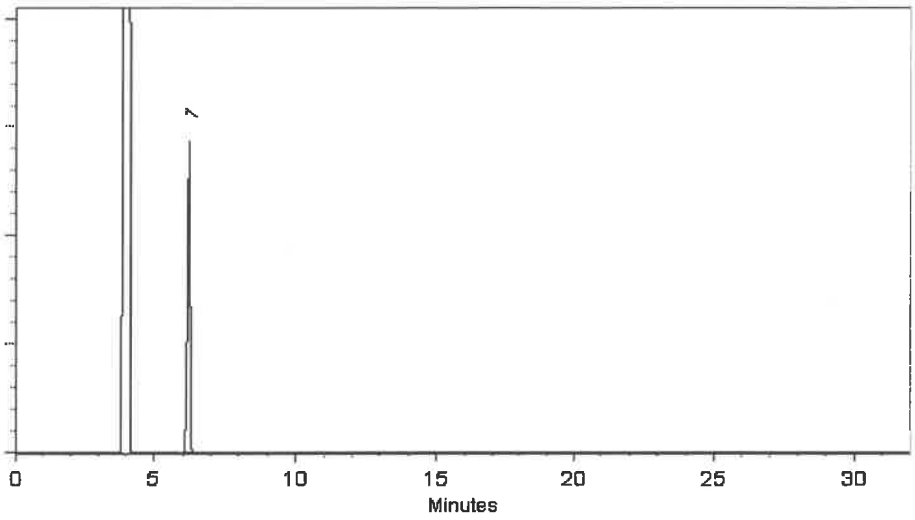
Inj. Temp:
200°C

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.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-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.
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Zoviny Rec 01/08/21

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Certificate of Analysis

chromatographic

V14803 - V14822

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. : 555408-SL **Lot No.:** A0220471

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, 2026 **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	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* 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.)

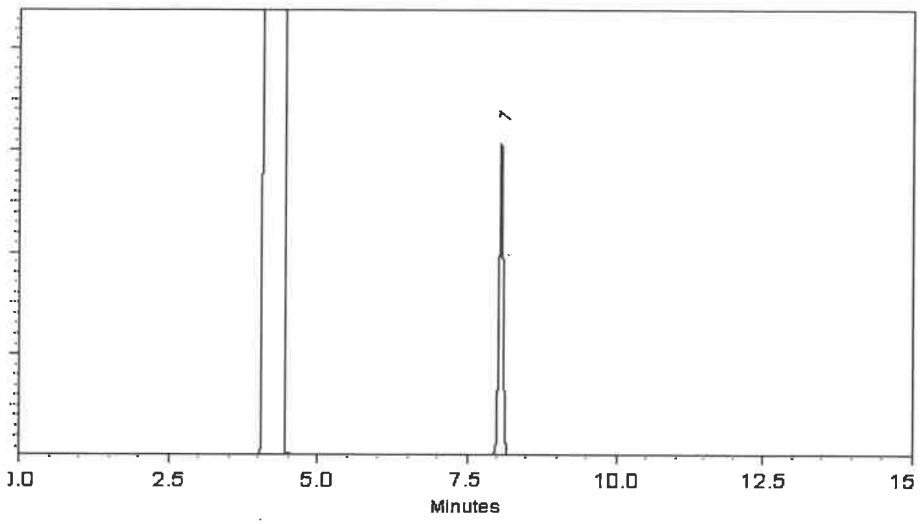
Inj. Temp:
200°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

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.
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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%.
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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.

Zoviny Rec 01/08/21

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

V14803 - V14822

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. : 555408-SL **Lot No.:** A0220471

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, 2026 **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	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* 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.)

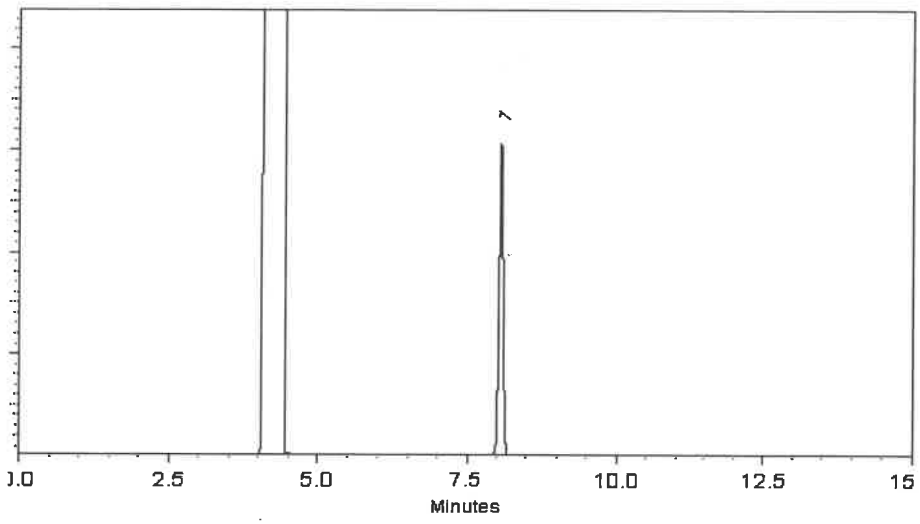
Inj. Temp:
200°C

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.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

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.

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.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
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	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

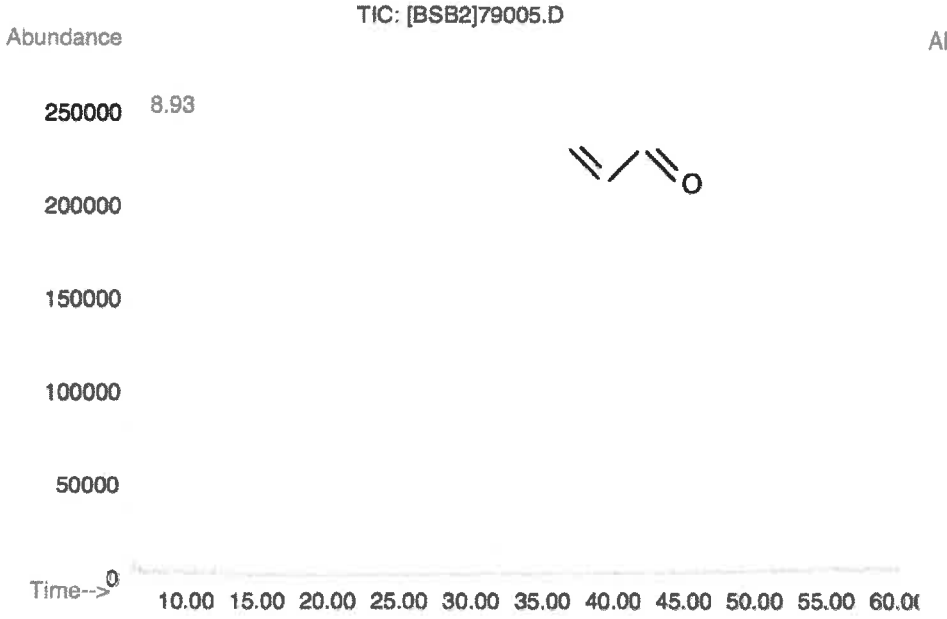
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

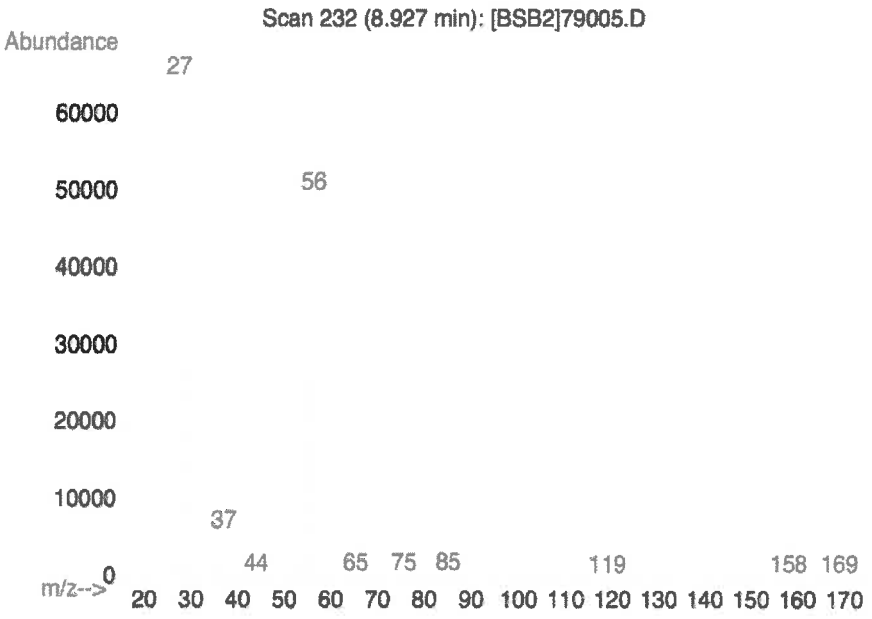
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 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).**
  Rev 1.0, 2/25/2025

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800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredited
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CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

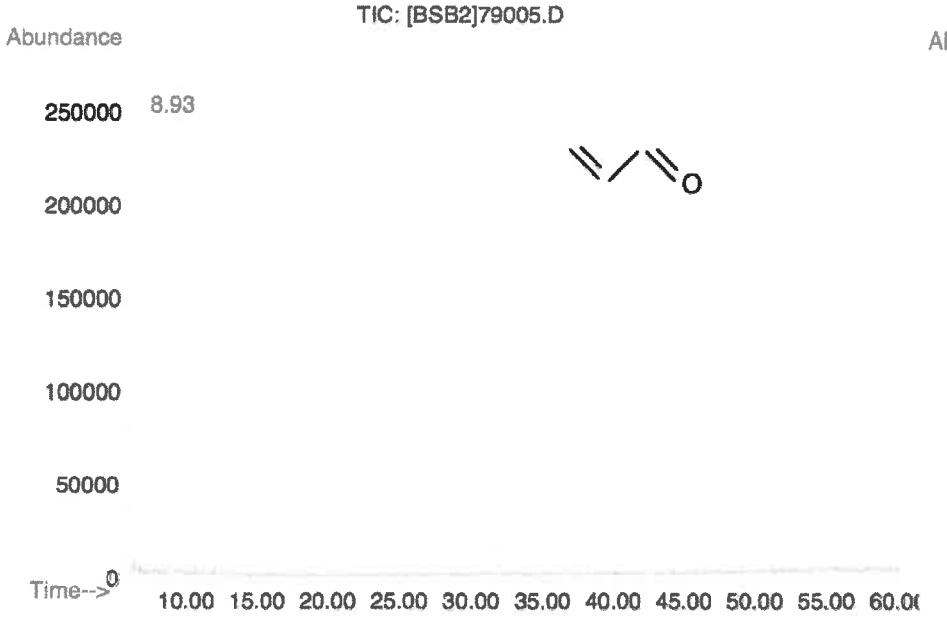
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

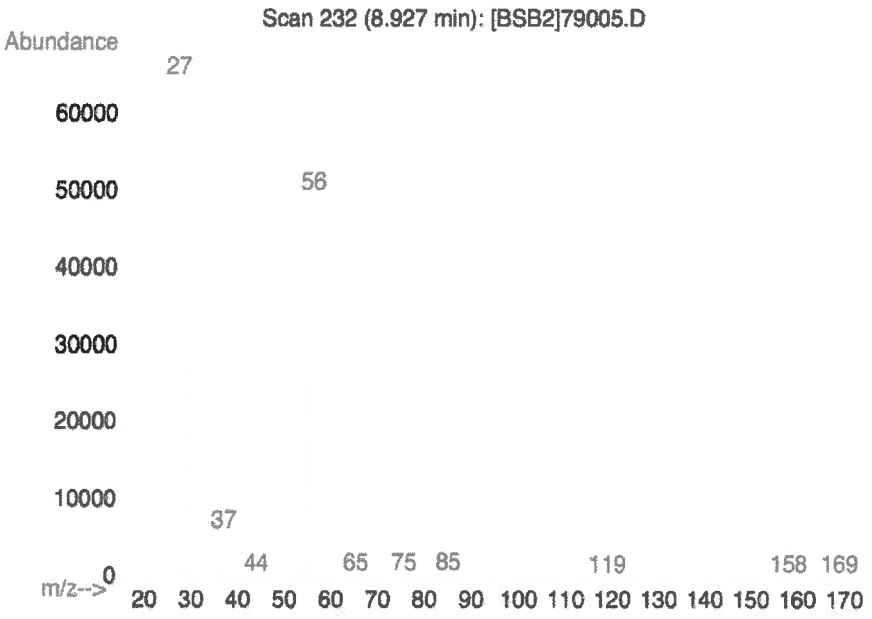
Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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.	Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	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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Certified Reference Material CRM

Rec 05/21/25

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CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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
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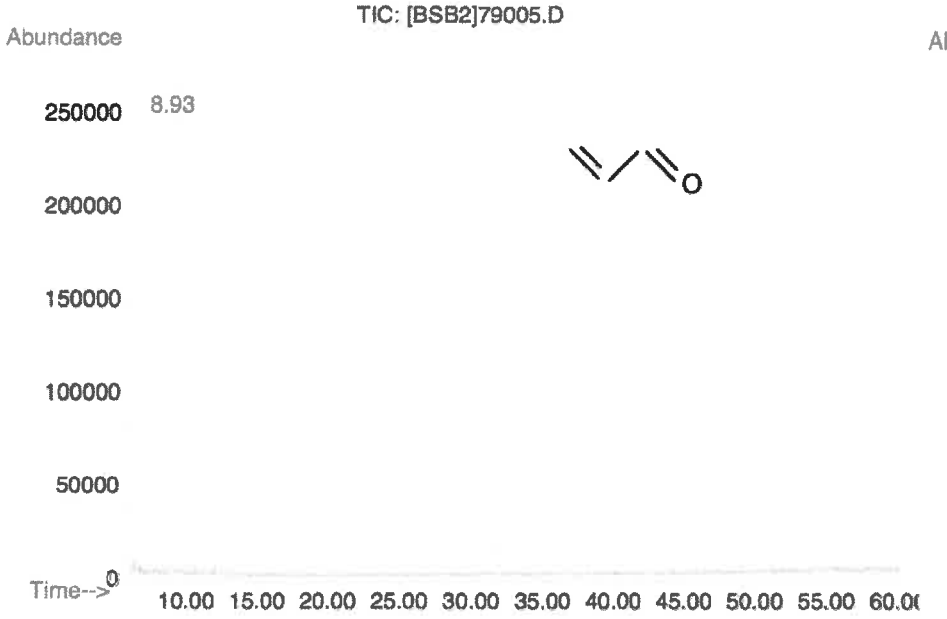

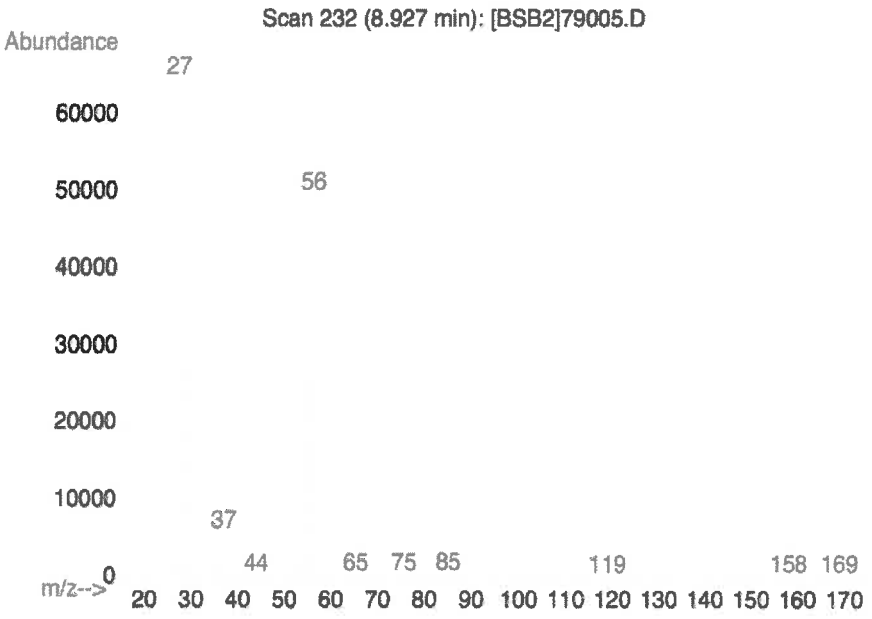

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Rec 05/21/25

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CERTIFIED WEIGHT REPORT

5.014

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Lawrence Barry 051925
Formulated By: Lawrence Barry DATE

Pedro Rentas 051925
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
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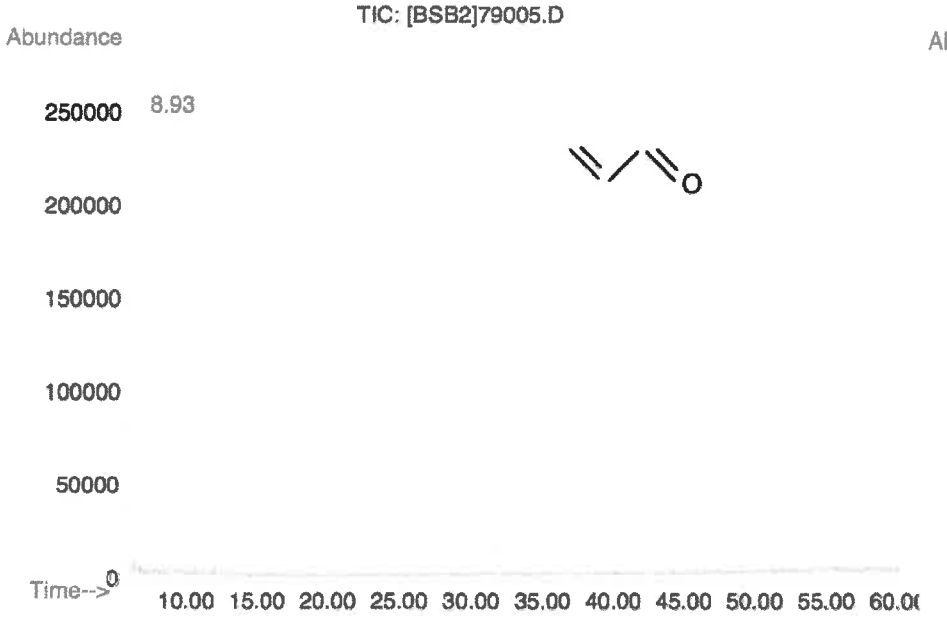

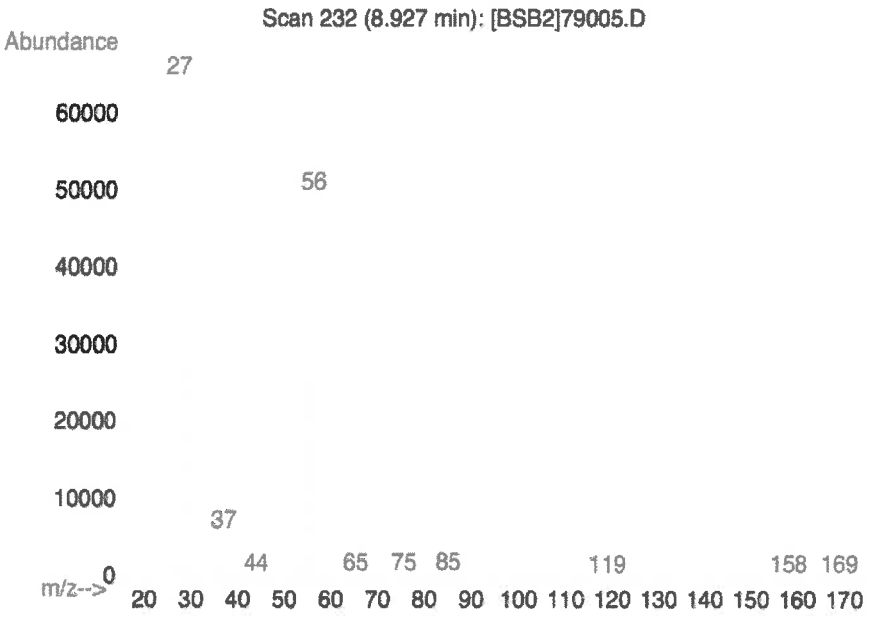

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  Rev 1.0, 2/25/2025

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

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q2075-01	41.10-33.35=7.75	13:01	41.48-32.95=8.53	13:02	35.44-27.76=7.68	13:03	V14143	05/19/2025	8260 TERRACORE SAMPLES
2	Q2075-02	41.15-33.13=8.02	13:47	40.14-32.48=7.66	13:48	35.62-27.77=7.85	13:49	V14143	05/19/2025	
3	Q2075-03	38.42-32.67=5.75	13:50	41.40-32.81=8.59	13:51	36.13-27.70=8.43	13:52	V14143	05/19/2025	
4	Q2075-04	41.48-33.06=8.42	13:09	40.19-32.99=7.2	13:10	35.99-27.98=8.01	13:11	V14143	05/19/2025	
5	Q2075-05	41.19-32.86=8.33	13:13	41.59-32.75=8.84	13:13	36.20-28.00=8.2	13:14	V14143	05/19/2025	
6	Q2075-06	39.61-32.57=7.04	13:15	40.51-33.10=7.41	13:17	36.08-27.72=8.36	13:17	V14143	05/19/2025	

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.

QA Contorl # A3041177

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2075
COC Number 2045940

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Ave. #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: M. Encinas
PHONE: 732 590 4679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: UTEN UST
PROJECT NO.: LOCATION: Mt. Vernon NY
PROJECT MANAGER: M. Encinas
e-mail: Encinas Ma@cdmsmith.com
PHONE: 732 590 4679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Ave #8 6th Floor
CITY Edison STATE: NJ ZIP: 0837
ATTENTION: M. Encinas PHONE: 732 590 4679

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 business DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☒ NYS ASP B
- ☐ Other

ANALYSIS

1. MassDEP Table 3 5 Day TAT
2. MassDEP Table 3 CAM IX 5 Day TAT
3.
4.
5.
6.
7.
8.
9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	A-A SULFIDE	E	3	4	5	6	7	8	9	COMMENTS
								1	2								
1.	FB-05152025	Aq		✓	5/15/25	1230	3	✓	✓								CP-51 Table 3 per email and see attached
2.	SS-10	Soil		✓	5/15/25	1310	5	✓	✓								
3.	SS-910	Soil		✓	5/15/25	1315	5	✓	✓								
4.	SS-11 (MS/MSD)	Soil		✓	5/15/25	1400	15	✓	✓								
5.	SS-MW1-11.5	Soil		✓	5/16/25	0835	5	✓	✓								
6.	FB-05162025	Aq		✓	5/16/25	1535	3	✓	✓								
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/16/25 1555	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.4°C
Comments: IR Gun #1

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Copyright © 2024

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2075 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/16/2025 4:10:00 PM
Project Name : Con Ed UTEN Mount Vern
Receive DateTime : 5/16/2025 3:55:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
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
Q2075-01	SS-10	Solid	05/15/2025	~~12:30~~ 13:10	VOCMS Group3		8260D	~~10 Bus~~. Days	5 days
Q2075-02	SS-910	Solid	05/15/2025	~~13:10~~ 13:15	VOCMS Group3		8260D	~~10 Bus~~. Days	
Q2075-03	SS-11	Solid	05/15/2025	~~13:15~~ 14:00	VOCMS Group3		8260D	~~10 Bus~~. Days	
Q2075-04	Q2075-03MS	Solid	05/15/2025	~~13:15~~ 14:00	VOCMS Group3		8260D	~~10 Bus~~. Days	
Q2075-05	Q2075-03MSD	Solid	05/15/2025	~~13:15~~ 14:00	VOCMS Group3		8260D	~~10 Bus~~. Days	
Q2075-06	SS-MW1-11.5	Solid	05/16/2025	08:35	VOCMS Group3		8260D	~~10 Bus~~. Days	
Q2075-07	FB-05152025	Water	05/15/2025	12:30	VOCMS Group3		8260-Low	~~10~~ Bus. Days	
Q2075-08	FB-05162025	Water	05/16/2025	15:35					

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LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOCMS Group3		8260-Low	~~10~~ Bus. Days	5 Days	

Relinguished By : CL
Date / Time : 5/19/25 11:30

Received By : Sam
Date / Time : 05/19/25 11:30
Storage Area : VOA Refridgerator Room