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Cover Page

Order ID : Q1883

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1883-01	OU4-PCS-TC-27-042325
Q1883-02	OU4-PCS-TC-27-042325
Q1883-03	OU4-PCS-TC-28-042325
Q1883-04	OU4-PCS-TC-28-042325
Q1883-05	OU4-PCS-TC-29-042325
Q1883-06	OU4-PCS-TC-29-042325
Q1883-07	OU4-PCS-TC-30-042325
Q1883-08	OU4-PCS-TC-30-042325
Q1883-09	OU4-PCS-TC-31-042325
Q1883-10	OU4-PCS-TC-31-042325
Q1883-11	OU4-PCS-TC-32-042325
Q1883-12	OU4-PCS-TC-32-042325
Q1883-13	OU4-VSL-18-042325
Q1883-14	OU4-VSL-18-042325
Q1883-15	OU4-VSL-19-042325
Q1883-16	OU4-VSL-19-042325
Q1883-17	SO-TB-01-042325

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: 5/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Chemtech Project # Q1883
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
17 Solid samples were received on 04/25/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3, VOCMS Group1 and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The 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 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 RPD met criteria .
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 %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone is passing on Linear Regression.

The Continuous Calibration File ID VY022093.D met the requirements except for Bromomethane,s failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
The not QT review data is reported in the Miscellaneous.

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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

CHEMTECH PROJECT NUMBER: Q1883 MATRIX: Solid

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 %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone is passing on Linear Regression. The Continuous Calibration File ID VY022093.D met the requirements except for Bromomethane,s failing marginally low therefore no corrective action taken.			✓
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. The Surrogate recoveries met the acceptable criteria.		✓	
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 Blank Spike met requirements for all samples . The Blank Spike Duplicate met requirements for all samples .			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The not QT review data is reported in the Miscellaneous.

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 #: **Q1883**

	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:** **05/07/2025**

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LAB CHRONICLE

OrderID:	Q1883	**OrderDate:**	4/25/2025 10:10:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,L51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1883-01	**OU4-PCS-TC-27-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			04/29/25	
Q1883-03	**OU4-PCS-TC-28-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			04/29/25	
Q1883-05	**OU4-PCS-TC-29-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			04/30/25	
Q1883-07	**OU4-PCS-TC-30-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			04/30/25	
Q1883-09	**OU4-PCS-TC-31-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			04/30/25	
Q1883-11	**OU4-PCS-TC-32-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			05/01/25	
Q1883-13	**OU4-VSL-18-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			05/01/25	
Q1883-15	**OU4-VSL-19-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			04/30/25	
Q1883-17	**SO-TB-01-042325**	**SOIL**			**04/23/25**			**04/25/25**
			VOCMS Group3	8260D			05/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1883

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**OU4-PCS-TC-28-042325**								
Q1883-03	OU4-PCS-TC-28-0[illegible]	SOIL	Acetone	0.016		0.0016	0.0068	0.0085	mg/Kg
			Total Voc :	0.016					
			Total Concentration:	0.016					
Client ID:	**OU4-PCS-TC-31-042325**								
Q1883-09	OU4-PCS-TC-31-0[illegible]	SOIL	Acetone	0.021		0.0022	0.0092	0.012	mg/Kg
			Total Voc :	0.021					
			Total Concentration:	0.021					
Client ID:	**SO-TB-01-042325**								
Q1883-17	SO-TB-01-042325	SOIL	Methylene Chloride	0.0063	J	0.0035	0.0080	0.010	mg/Kg
			Total Voc :	0.0063					
			Total Concentration:	0.0063					

QC SUMMARY

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Surrogate Summary

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1883-01	OU4-PCS-TC-27-042325	1,2-Dichloroethane-d4	50	55.3	111	71	136
		Dibromofluoromethane	50	52.4	105	78	119
		Toluene-d8	50	48.7	97	85	116
		4-Bromofluorobenzene	50	51.6	103	79	119
Q1883-03	OU4-PCS-TC-28-042325	1,2-Dichloroethane-d4	50	60.9	122	71	136
		Dibromofluoromethane	50	53.3	107	78	119
		Toluene-d8	50	48.2	96	85	116
		4-Bromofluorobenzene	50	43.0	86	79	119
Q1883-05	OU4-PCS-TC-29-042325	1,2-Dichloroethane-d4	50	53.4	107	71	136
		Dibromofluoromethane	50	51.3	103	78	119
		Toluene-d8	50	48.5	97	85	116
		4-Bromofluorobenzene	50	59.4	119	79	119
Q1883-07	OU4-PCS-TC-30-042325	1,2-Dichloroethane-d4	50	51.6	103	71	136
		Dibromofluoromethane	50	51.5	103	78	119
		Toluene-d8	50	48.4	97	85	116
		4-Bromofluorobenzene	50	58.1	116	79	119
Q1883-09	OU4-PCS-TC-31-042325	1,2-Dichloroethane-d4	50	54.2	108	71	136
		Dibromofluoromethane	50	51.8	104	78	119
		Toluene-d8	50	48.7	97	85	116
		4-Bromofluorobenzene	50	49.0	98	79	119
Q1883-11	OU4-PCS-TC-32-042325	1,2-Dichloroethane-d4	50	53.5	107	71	136
		Dibromofluoromethane	50	50.8	102	78	119
		Toluene-d8	50	48.2	96	85	116
		4-Bromofluorobenzene	50	54.9	110	79	119
Q1883-13	OU4-VSL-18-042325	1,2-Dichloroethane-d4	50	55.0	110	71	136
		Dibromofluoromethane	50	51.4	103	78	119
		Toluene-d8	50	47.9	96	85	116
		4-Bromofluorobenzene	50	56.5	113	79	119
Q1883-15	OU4-VSL-19-042325	1,2-Dichloroethane-d4	50	58.8	118	71	136
		Dibromofluoromethane	50	53.1	106	78	119
		Toluene-d8	50	49.7	99	85	116
		4-Bromofluorobenzene	50	42.5	85	79	119
Q1883-17	SO-TB-01-042325	1,2-Dichloroethane-d4	50	56.2	112	71	136
		Dibromofluoromethane	50	52.3	105	78	119
		Toluene-d8	50	49.4	99	85	116
		4-Bromofluorobenzene	50	56.4	113	79	119
VY0429SBL01	VY0429SBL01	1,2-Dichloroethane-d4	50	50.3	101	71	136
		Dibromofluoromethane	50	49.9	100	78	119
		Toluene-d8	50	47.6	95	85	116
		4-Bromofluorobenzene	50	56.5	113	79	119
VY0429SBS01	VY0429SBS01	1,2-Dichloroethane-d4	50	48.4	97	71	136
		Dibromofluoromethane	50	50.2	100	78	119
		Toluene-d8	50	50.9	102	85	116
		4-Bromofluorobenzene	50	49.6	99	79	119
VY0429SBSD01	VY0429SBSD01	1,2-Dichloroethane-d4	50	49.3	99	71	136
		Dibromofluoromethane	50	51.1	102	78	119
		Toluene-d8	50	51.5	103	85	116
		4-Bromofluorobenzene	50	50.5	101	79	119
VY0430SBL01	VY0430SBL01	1,2-Dichloroethane-d4	50	52.3	105	71	136
		Dibromofluoromethane	50	51.8	104	78	119

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Surrogate Summary

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0430SBL01	VY0430SBL01	Toluene-d8	50	48.2	96	85	116
		4-Bromofluorobenzene	50	53.3	107	79	119
VY0430SBS01	VY0430SBS01	1,2-Dichloroethane-d4	50	49.5	99	71	136
		Dibromofluoromethane	50	52.6	105	78	119
		Toluene-d8	50	52.7	105	85	116
		4-Bromofluorobenzene	50	51.8	104	79	119
VY0501SBL01	VY0501SBL01	1,2-Dichloroethane-d4	50	49.2	98	71	136
		Dibromofluoromethane	50	50.6	101	78	119
		Toluene-d8	50	47.8	96	85	116
		4-Bromofluorobenzene	50	53.1	106	79	119
VY0501SBS01	VY0501SBS01	1,2-Dichloroethane-d4	50	47.5	95	71	136
		Dibromofluoromethane	50	49.5	99	78	119
		Toluene-d8	50	50.1	100	85	116
		4-Bromofluorobenzene	50	49.3	99	79	119
VY0505SBL01	VY0505SBL01	1,2-Dichloroethane-d4	50	49.8	100	71	136
		Dibromofluoromethane	50	50.1	100	78	119
		Toluene-d8	50	46.5	93	85	116
		4-Bromofluorobenzene	50	55.3	111	79	119
VY0505SBS01	VY0505SBS01	1,2-Dichloroethane-d4	50	49.9	100	71	136
		Dibromofluoromethane	50	49.4	99	78	119
		Toluene-d8	50	48.9	98	85	116
		4-Bromofluorobenzene	50	50.1	100	79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022048.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0429SBS01	Dichlorodifluoromethane	20	19.2	ug/Kg	96			29	149	
	Chloromethane	20	20.3	ug/Kg	102			50	136	
	Vinyl chloride	20	19.0	ug/Kg	95			56	135	
	Bromomethane	20	19.5	ug/Kg	98			53	143	
	Chloroethane	20	18.9	ug/Kg	95			59	139	
	Tetrahydrofuran	100	88.8	ug/Kg	89			61	135	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			62	140	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/Kg	98			66	136	
	1,1-Dichloroethene	20	19.8	ug/Kg	99			70	131	
	Acrylonitrile	100	92.4	ug/Kg	92			65	134	
	Acetone	100	87.0	ug/Kg	87			36	164	
	Carbon disulfide	20	19.6	ug/Kg	98			63	132	
	Methyl tert-butyl Ether	20	18.3	ug/Kg	92			73	125	
	Methylene Chloride	20	18.7	ug/Kg	94			70	128	
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98			74	125	
	1,1-Dichloroethane	20	19.3	ug/Kg	97			76	125	
	2-Butanone	100	88.4	ug/Kg	88			51	148	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70	135	
	2,2-Dichloropropane	20	19.8	ug/Kg	99			67	133	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			77	123	
	Chloroform	20	20.0	ug/Kg	100			78	123	
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100			73	130	
	1,1-Dichloropropene	20	19.6	ug/Kg	98			76	125	
	Benzene	20	20.2	ug/Kg	101			77	121	
	1,2-Dichloroethane	20	19.9	ug/Kg	100			73	128	
	Trichloroethene	20	20.3	ug/Kg	102			77	123	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			76	123	
	Dibromomethane	20	19.6	ug/Kg	98			78	125	
	Bromodichloromethane	20	20.1	ug/Kg	101			75	127	
	4-Methyl-2-Pentanone	100	91.1	ug/Kg	91			65	135	
	Toluene	20	20.1	ug/Kg	101			77	121	
	t-1,3-Dichloropropene	20	19.0	ug/Kg	95			71	130	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			74	126	
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101			78	121	
	1,3-Dichloropropane	20	19.9	ug/Kg	100			77	121	
	2-Hexanone	100	87.0	ug/Kg	87			53	145	
	Dibromochloromethane	20	19.9	ug/Kg	100			74	126	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			78	122	
	Tetrachloroethene	20	20.9	ug/Kg	104			73	128	
	Chlorobenzene	20	19.8	ug/Kg	99			79	120	
	1,1,1,2-Tetrachloroethane	20	20.1	ug/Kg	101			78	125	
	Ethyl Benzene	20	19.4	ug/Kg	97			76	122	
	m/p-Xylenes	40	40.2	ug/Kg	101			77	124	
	o-Xylene	20	19.2	ug/Kg	96			77	123	
	Styrene	20	19.8	ug/Kg	99			76	124	
	Bromoform	20	19.4	ug/Kg	97			67	132	
	Isopropylbenzene	20	19.1	ug/Kg	96			68	134	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022048.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0429SBS01	1,2,3-Trichloropropane	20	18.9	ug/Kg	95			73	125	
	Bromobenzene	20	19.7	ug/Kg	99			78	121	
	N-propylbenzene	20	19.6	ug/Kg	98			73	125	
	2-Chlorotoluene	20	19.6	ug/Kg	98			75	122	
	1,3,5-Trimethylbenzene	20	19.5	ug/Kg	98			73	124	
	4-Chlorotoluene	20	19.9	ug/Kg	100			72	124	
	tert-Butylbenzene	20	18.9	ug/Kg	95			73	125	
	1,2,4-Trimethylbenzene	20	19.6	ug/Kg	98			75	123	
	Sec-butylbenzene	20	19.6	ug/Kg	98			73	126	
	p-Isopropyltoluene	20	19.4	ug/Kg	97			73	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			77	121	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			75	120	
	n-Butylbenzene	20	18.2	ug/Kg	91			70	128	
	1,2-Dichlorobenzene	20	19.5	ug/Kg	98			78	121	
	1,2-Dibromo-3-Chloropropane	20	17.4	ug/Kg	87			61	132	
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92			67	129	
	Hexachlorobutadiene	20	18.7	ug/Kg	94			61	135	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			66	130	
	trans-1,4-Dichloro-2-butene	20	18.6	ug/Kg	93			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022049.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0429SBSD01	Dichlorodifluoromethane	20	20.3	ug/Kg	102	6		29	149	20
	Chloromethane	20	21.1	ug/Kg	106	4		50	136	20
	Vinyl chloride	20	19.9	ug/Kg	100	5		56	135	20
	Bromomethane	20	21.6	ug/Kg	108	10		53	143	20
	Chloroethane	20	20.4	ug/Kg	102	7		59	139	20
	Tetrahydrofuran	100	97.7	ug/Kg	98	10		61	135	20
	Trichlorofluoromethane	20	20.6	ug/Kg	103	6		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	3		66	136	20
	1,1-Dichloroethene	20	20.2	ug/Kg	101	2		70	131	20
	Acrylonitrile	100	100	ug/Kg	100	8		65	134	20
	Acetone	100	94.5	ug/Kg	95	9		36	164	20
	Carbon disulfide	20	19.9	ug/Kg	100	2		63	132	20
	Methyl tert-butyl Ether	20	19.8	ug/Kg	99	7		73	125	20
	Methylene Chloride	20	19.8	ug/Kg	99	5		70	128	20
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101	3		74	125	20
	1,1-Dichloroethane	20	20.2	ug/Kg	101	4		76	125	20
	2-Butanone	100	96.4	ug/Kg	96	9		51	148	20
	Carbon Tetrachloride	20	21.1	ug/Kg	106	4		70	135	20
	2,2-Dichloropropane	20	20.6	ug/Kg	103	4		67	133	20
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102	4		77	123	20
	Chloroform	20	20.7	ug/Kg	104	4		78	123	20
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	3		73	130	20
	1,1-Dichloropropene	20	20.5	ug/Kg	103	5		76	125	20
	Benzene	20	20.8	ug/Kg	104	3		77	121	20
	1,2-Dichloroethane	20	20.8	ug/Kg	104	4		73	128	20
	Trichloroethene	20	21.3	ug/Kg	106	4		77	123	20
	1,2-Dichloropropane	20	21.2	ug/Kg	106	5		76	123	20
	Dibromomethane	20	21.1	ug/Kg	106	8		78	125	20
	Bromodichloromethane	20	20.9	ug/Kg	104	3		75	127	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	9		65	135	20
	Toluene	20	21.2	ug/Kg	106	5		77	121	20
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101	6		71	130	20
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	7		74	126	20
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106	5		78	121	20
	1,3-Dichloropropane	20	20.6	ug/Kg	103	3		77	121	20
	2-Hexanone	100	97.4	ug/Kg	97	11		53	145	20
	Dibromochloromethane	20	20.9	ug/Kg	104	4		74	126	20
	1,2-Dibromoethane	20	20.7	ug/Kg	104	5		78	122	20
	Tetrachloroethene	20	21.3	ug/Kg	106	2		73	128	20
	Chlorobenzene	20	20.6	ug/Kg	103	4		79	120	20
	1,1,1,2-Tetrachloroethane	20	21.0	ug/Kg	105	4		78	125	20
	Ethyl Benzene	20	20.1	ug/Kg	101	4		76	122	20
	m/p-Xylenes	40	41.4	ug/Kg	104	3		77	124	20
	o-Xylene	20	20.4	ug/Kg	102	6		77	123	20
	Styrene	20	20.7	ug/Kg	104	5		76	124	20
	Bromoform	20	20.7	ug/Kg	104	7		67	132	20
	Isopropylbenzene	20	19.9	ug/Kg	100	4		68	134	20
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106	10		70	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022049.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0429SBSD01	1,2,3-Trichloropropane	20	19.5	ug/Kg	98	3		73	125	20
	Bromobenzene	20	20.5	ug/Kg	103	4		78	121	20
	N-propylbenzene	20	20.3	ug/Kg	102	4		73	125	20
	2-Chlorotoluene	20	20.3	ug/Kg	102	4		75	122	20
	1,3,5-Trimethylbenzene	20	20.4	ug/Kg	102	4		73	124	20
	4-Chlorotoluene	20	20.7	ug/Kg	104	4		72	124	20
	tert-Butylbenzene	20	20.2	ug/Kg	101	6		73	125	20
	1,2,4-Trimethylbenzene	20	20.6	ug/Kg	103	5		75	123	20
	Sec-butylbenzene	20	20.3	ug/Kg	102	4		73	126	20
	p-Isopropyltoluene	20	20.1	ug/Kg	101	4		73	127	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	6		77	121	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	6		75	120	20
	n-Butylbenzene	20	19.4	ug/Kg	97	6		70	128	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	5		78	121	20
	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95	9		61	132	20
	1,2,4-Trichlorobenzene	20	19.6	ug/Kg	98	6		67	129	20
	Hexachlorobutadiene	20	20.8	ug/Kg	104	10		61	135	20
	1,2,3-Trichlorobenzene	20	20.1	ug/Kg	101	9		66	130	20
	trans-1,4-Dichloro-2-butene	20	19.4	ug/Kg	97	4		62	136	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022072.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0430SBS01	Dichlorodifluoromethane	20	19.3	ug/Kg	97			29	149	
	Chloromethane	20	22.2	ug/Kg	111			50	136	
	Vinyl chloride	20	20.7	ug/Kg	104			56	135	
	Bromomethane	20	22.8	ug/Kg	114			53	143	
	Chloroethane	20	21.2	ug/Kg	106			59	139	
	Tetrahydrofuran	100	96.9	ug/Kg	97			61	135	
	Trichlorofluoromethane	20	21.8	ug/Kg	109			62	140	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			66	136	
	1,1-Dichloroethene	20	19.7	ug/Kg	99			70	131	
	Acrylonitrile	100	95.7	ug/Kg	96			65	134	
	Acetone	100	94.5	ug/Kg	95			36	164	
	Carbon disulfide	20	19.9	ug/Kg	100			63	132	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			73	125	
	Methylene Chloride	20	20.0	ug/Kg	100			70	128	
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98			74	125	
	1,1-Dichloroethane	20	19.9	ug/Kg	100			76	125	
	2-Butanone	100	92.7	ug/Kg	93			51	148	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			70	135	
	2,2-Dichloropropane	20	20.4	ug/Kg	102			67	133	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			77	123	
	Chloroform	20	20.4	ug/Kg	102			78	123	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			73	130	
	1,1-Dichloropropene	20	20.2	ug/Kg	101			76	125	
	Benzene	20	20.6	ug/Kg	103			77	121	
	1,2-Dichloroethane	20	21.2	ug/Kg	106			73	128	
	Trichloroethene	20	20.9	ug/Kg	104			77	123	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			76	123	
	Dibromomethane	20	21.0	ug/Kg	105			78	125	
	Bromodichloromethane	20	20.9	ug/Kg	104			75	127	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			65	135	
	Toluene	20	21.0	ug/Kg	105			77	121	
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103			71	130	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			74	126	
	1,1,2-Trichloroethane	20	20.9	ug/Kg	104			78	121	
	1,3-Dichloropropane	20	20.7	ug/Kg	104			77	121	
	2-Hexanone	100	99.9	ug/Kg	100			53	145	
	Dibromochloromethane	20	21.1	ug/Kg	106			74	126	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			78	122	
	Tetrachloroethene	20	21.1	ug/Kg	106			73	128	
	Chlorobenzene	20	20.1	ug/Kg	101			79	120	
	1,1,1,2-Tetrachloroethane	20	20.8	ug/Kg	104			78	125	
	Ethyl Benzene	20	19.3	ug/Kg	97			76	122	
	m/p-Xylenes	40	40.6	ug/Kg	102			77	124	
	o-Xylene	20	19.7	ug/Kg	99			77	123	
	Styrene	20	20.0	ug/Kg	100			76	124	
	Bromoform	20	20.9	ug/Kg	104			67	132	
	Isopropylbenzene	20	18.8	ug/Kg	94			68	134	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022072.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0430SBS01	1,2,3-Trichloropropane	20	18.6	ug/Kg	93			73	125	
	Bromobenzene	20	19.7	ug/Kg	99			78	121	
	N-propylbenzene	20	19.4	ug/Kg	97			73	125	
	2-Chlorotoluene	20	19.4	ug/Kg	97			75	122	
	1,3,5-Trimethylbenzene	20	19.2	ug/Kg	96			73	124	
	4-Chlorotoluene	20	19.9	ug/Kg	100			72	124	
	tert-Butylbenzene	20	18.7	ug/Kg	94			73	125	
	1,2,4-Trimethylbenzene	20	19.7	ug/Kg	99			75	123	
	Sec-butylbenzene	20	19.2	ug/Kg	96			73	126	
	p-Isopropyltoluene	20	19.1	ug/Kg	96			73	127	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			77	121	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			75	120	
	n-Butylbenzene	20	18.5	ug/Kg	93			70	128	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			78	121	
	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			61	132	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			67	129	
	Hexachlorobutadiene	20	20.3	ug/Kg	102			61	135	
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99			66	130	
	trans-1,4-Dichloro-2-butene	20	18.2	ug/Kg	91			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022097.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0501SBS01	Dichlorodifluoromethane	20	19.2	ug/Kg	96			29	149	
	Chloromethane	20	18.7	ug/Kg	94			50	136	
	Vinyl chloride	20	18.7	ug/Kg	94			56	135	
	Bromomethane	20	18.6	ug/Kg	93			53	143	
	Chloroethane	20	18.9	ug/Kg	95			59	139	
	Tetrahydrofuran	100	86.6	ug/Kg	87			61	135	
	Trichlorofluoromethane	20	19.9	ug/Kg	100			62	140	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			66	136	
	1,1-Dichloroethene	20	19.9	ug/Kg	100			70	131	
	Acrylonitrile	100	88.5	ug/Kg	89			65	134	
	Acetone	100	91.2	ug/Kg	91			36	164	
	Carbon disulfide	20	19.5	ug/Kg	98			63	132	
	Methyl tert-butyl Ether	20	18.0	ug/Kg	90			73	125	
	Methylene Chloride	20	19.3	ug/Kg	97			70	128	
	trans-1,2-Dichloroethene	20	19.7	ug/Kg	99			74	125	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			76	125	
	2-Butanone	100	86.7	ug/Kg	87			51	148	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70	135	
	2,2-Dichloropropane	20	20.3	ug/Kg	102			67	133	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			77	123	
	Chloroform	20	20.2	ug/Kg	101			78	123	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			73	130	
	1,1-Dichloropropene	20	19.9	ug/Kg	100			76	125	
	Benzene	20	20.2	ug/Kg	101			77	121	
	1,2-Dichloroethane	20	19.9	ug/Kg	100			73	128	
	Trichloroethene	20	20.3	ug/Kg	102			77	123	
	1,2-Dichloropropane	20	20.1	ug/Kg	101			76	123	
	Dibromomethane	20	19.6	ug/Kg	98			78	125	
	Bromodichloromethane	20	20.6	ug/Kg	103			75	127	
	4-Methyl-2-Pentanone	100	88.1	ug/Kg	88			65	135	
	Toluene	20	20.6	ug/Kg	103			77	121	
	t-1,3-Dichloropropene	20	18.9	ug/Kg	95			71	130	
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100			74	126	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			78	121	
	1,3-Dichloropropane	20	19.7	ug/Kg	99			77	121	
	2-Hexanone	100	84.7	ug/Kg	85			53	145	
	Dibromochloromethane	20	19.8	ug/Kg	99			74	126	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			78	122	
	Tetrachloroethene	20	20.9	ug/Kg	104			73	128	
	Chlorobenzene	20	19.8	ug/Kg	99			79	120	
	1,1,1,2-Tetrachloroethane	20	20.0	ug/Kg	100			78	125	
	Ethyl Benzene	20	19.5	ug/Kg	98			76	122	
	m/p-Xylenes	40	40.5	ug/Kg	101			77	124	
	o-Xylene	20	19.6	ug/Kg	98			77	123	
	Styrene	20	20.1	ug/Kg	101			76	124	
	Bromoform	20	19.6	ug/Kg	98			67	132	
	Isopropylbenzene	20	19.2	ug/Kg	96			68	134	
	1,1,2,2-Tetrachloroethane	20	18.4	ug/Kg	92			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022097.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0501SBS01	1,2,3-Trichloropropane	20	18.2	ug/Kg	91			73	125	
	Bromobenzene	20	19.3	ug/Kg	97			78	121	
	N-propylbenzene	20	19.5	ug/Kg	98			73	125	
	2-Chlorotoluene	20	19.5	ug/Kg	98			75	122	
	1,3,5-Trimethylbenzene	20	19.6	ug/Kg	98			73	124	
	4-Chlorotoluene	20	19.5	ug/Kg	98			72	124	
	tert-Butylbenzene	20	19.0	ug/Kg	95			73	125	
	1,2,4-Trimethylbenzene	20	19.5	ug/Kg	98			75	123	
	Sec-butylbenzene	20	19.4	ug/Kg	97			73	126	
	p-Isopropyltoluene	20	19.4	ug/Kg	97			73	127	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			77	121	
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98			75	120	
	n-Butylbenzene	20	18.7	ug/Kg	94			70	128	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			78	121	
	1,2-Dibromo-3-Chloropropane	20	17.7	ug/Kg	89			61	132	
	1,2,4-Trichlorobenzene	20	19.0	ug/Kg	95			67	129	
	Hexachlorobutadiene	20	20.3	ug/Kg	102			61	135	
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94			66	130	
	trans-1,4-Dichloro-2-butene	20	17.1	ug/Kg	86			62	136	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0505SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			29	149	
	Chloromethane	20	19.9	ug/Kg	100			50	136	
	Vinyl chloride	20	19.9	ug/Kg	100			56	135	
	Bromomethane	20	22.1	ug/Kg	111			53	143	
	Chloroethane	20	20.7	ug/Kg	104			59	139	
	Tetrahydrofuran	100	94.5	ug/Kg	95			61	135	
	Trichlorofluoromethane	20	20.5	ug/Kg	103			62	140	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104			66	136	
	1,1-Dichloroethene	20	20.0	ug/Kg	100			70	131	
	Acrylonitrile	100	94.5	ug/Kg	95			65	134	
	Acetone	100	93.4	ug/Kg	93			36	164	
	Carbon disulfide	20	19.2	ug/Kg	96			63	132	
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97			73	125	
	Methylene Chloride	20	18.7	ug/Kg	94			70	128	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			74	125	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			76	125	
	2-Butanone	100	92.1	ug/Kg	92			51	148	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			70	135	
	2,2-Dichloropropane	20	21.2	ug/Kg	106			67	133	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			77	123	
	Chloroform	20	20.3	ug/Kg	102			78	123	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			73	130	
	1,1-Dichloropropene	20	20.4	ug/Kg	102			76	125	
	Benzene	20	20.2	ug/Kg	101			77	121	
	1,2-Dichloroethane	20	21.0	ug/Kg	105			73	128	
	Trichloroethene	20	20.7	ug/Kg	104			77	123	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			76	123	
	Dibromomethane	20	20.1	ug/Kg	101			78	125	
	Bromodichloromethane	20	20.5	ug/Kg	103			75	127	
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96			65	135	
	Toluene	20	20.2	ug/Kg	101			77	121	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			71	130	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			74	126	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			78	121	
	1,3-Dichloropropane	20	20.1	ug/Kg	101			77	121	
	2-Hexanone	100	92.9	ug/Kg	93			53	145	
	Dibromochloromethane	20	19.5	ug/Kg	98			74	126	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			78	122	
	Tetrachloroethene	20	21.3	ug/Kg	106			73	128	
	Chlorobenzene	20	20.0	ug/Kg	100			79	120	
	1,1,1,2-Tetrachloroethane	20	20.0	ug/Kg	100			78	125	
	Ethyl Benzene	20	19.6	ug/Kg	98			76	122	
	m/p-Xylenes	40	40.3	ug/Kg	101			77	124	
	o-Xylene	20	19.9	ug/Kg	100			77	123	
	Styrene	20	19.8	ug/Kg	99			76	124	
	Bromoform	20	19.3	ug/Kg	97			67	132	
	Isopropylbenzene	20	19.5	ug/Kg	98			68	134	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			70	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8260D **Datafile :** VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0505SBS01	1,2,3-Trichloropropane	20	20.2	ug/Kg	101			73	125	
	Bromobenzene	20	19.3	ug/Kg	97			78	121	
	N-propylbenzene	20	20.1	ug/Kg	101			73	125	
	2-Chlorotoluene	20	19.9	ug/Kg	100			75	122	
	1,3,5-Trimethylbenzene	20	20.1	ug/Kg	101			73	124	
	4-Chlorotoluene	20	20.2	ug/Kg	101			72	124	
	tert-Butylbenzene	20	19.2	ug/Kg	96			73	125	
	1,2,4-Trimethylbenzene	20	20.0	ug/Kg	100			75	123	
	Sec-butylbenzene	20	20.0	ug/Kg	100			73	126	
	p-Isopropyltoluene	20	20.0	ug/Kg	100			73	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			77	121	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			75	120	
	n-Butylbenzene	20	19.5	ug/Kg	98			70	128	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			78	121	
	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			61	132	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			67	129	
	Hexachlorobutadiene	20	19.5	ug/Kg	98			61	135	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			66	130	
	trans-1,4-Dichloro-2-butene	20	19.3	ug/Kg	97			62	136	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0429SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022047.D Lab Sample ID: VY0429SBL01

Date Analyzed: 04/29/2025 Time Analyzed: 10:00

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
VY0429SBS01	VY0429SBS01	VY022048.D	04/29/2025
VY0429SBSD01	VY0429SBSD01	VY022049.D	04/29/2025
OU4-PCS-TC-27-042325	Q1883-01	VY022064.D	04/29/2025
OU4-PCS-TC-28-042325	Q1883-03	VY022065.D	04/29/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0430SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022071.D Lab Sample ID: VY0430SBL01

Date Analyzed: 04/30/2025 Time Analyzed: 09:57

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
VY0430SBS01	VY0430SBS01	VY022072.D	04/30/2025
OU4-PCS-TC-29-042325	Q1883-05	VY022079.D	04/30/2025
OU4-PCS-TC-30-042325	Q1883-07	VY022080.D	04/30/2025
OU4-PCS-TC-31-042325	Q1883-09	VY022081.D	04/30/2025
OU4-VSL-19-042325	Q1883-15	VY022084.D	04/30/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0501SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022096.D Lab Sample ID: VY0501SBL01

Date Analyzed: 05/01/2025 Time Analyzed: 10:11

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
VY0501SBS01	VY0501SBS01	VY022097.D	05/01/2025
OU4-PCS-TC-32-042325	Q1883-11	VY022105.D	05/01/2025
OU4-VSL-18-042325	Q1883-13	VY022106.D	05/01/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0505SBL01

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022146.D Lab Sample ID: VY0505SBL01

Date Analyzed: 05/05/2025 Time Analyzed: 09:24

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
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025
SO-TB-01-042325	Q1883-17	VY022167.D	05/05/2025

COMMENTS:

Raw Data: **VY021952.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

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	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (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
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022045.D BFB Injection Date: 04/29/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:20

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	15.7
75	30.0 - 60.0% of mass 95	47.3
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	1.5 (1.6) 1
174	50.0 - 100.0% of mass 95	92.9
175	5.0 - 9.0% of mass 174	7 (7.5) 1
176	95.0 - 101.0% of mass 174	88.9 (95.7) 1
177	5.0 - 9.0% of mass 176	5.8 (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	VY022046.D	04/29/2025	09:28
VY0429SBL01	VY0429SBL01	VY022047.D	04/29/2025	10:00
VY0429SBS01	VY0429SBS01	VY022048.D	04/29/2025	10:31
VY0429SBSD01	VY0429SBSD01	VY022049.D	04/29/2025	10:53
OU4-PCS-TC-27-042325	Q1883-01	VY022064.D	04/29/2025	18:14
OU4-PCS-TC-28-042325	Q1883-03	VY022065.D	04/29/2025	18:37
VSTDCCC050EC	VSTDCCC050	VY022068.D	04/29/2025	19:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022069.D BFB Injection Date: 04/30/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:50

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	15.8
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.6 (1.8) 1
174	50.0 - 100.0% of mass 95	90.5
175	5.0 - 9.0% of mass 174	7 (7.8) 1
176	95.0 - 101.0% of mass 174	87.9 (97.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.2) 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	VY022070.D	04/30/2025	09:20
VY0430SBL01	VY0430SBL01	VY022071.D	04/30/2025	09:57
VY0430SBS01	VY0430SBS01	VY022072.D	04/30/2025	10:30
OU4-PCS-TC-29-042325	Q1883-05	VY022079.D	04/30/2025	13:34
OU4-PCS-TC-30-042325	Q1883-07	VY022080.D	04/30/2025	13:58
OU4-PCS-TC-31-042325	Q1883-09	VY022081.D	04/30/2025	14:21
OU4-VSL-19-042325	Q1883-15	VY022084.D	04/30/2025	15:55
VSTDCCC050EC	VSTDCCC050	VY022093.D	04/30/2025	19:25

Raw Data: **VY022094.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022094.D BFB Injection Date: 05/01/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:20

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	15.8
75	30.0 - 60.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	87.7
175	5.0 - 9.0% of mass 174	6.9 (7.8) 1
176	95.0 - 101.0% of mass 174	83.4 (95.1) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022095.D	05/01/2025	08:50
VY0501SBL01	VY0501SBL01	VY022096.D	05/01/2025	10:11
VY0501SBS01	VY0501SBS01	VY022097.D	05/01/2025	10:42
OU4-PCS-TC-32-042325	Q1883-11	VY022105.D	05/01/2025	14:15
OU4-VSL-18-042325	Q1883-13	VY022106.D	05/01/2025	14:38
VSTDCCC050EC	VSTDCCC050	VY022117.D	05/01/2025	19:08

Raw Data: **VY022144.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022144.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:15

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	16.8
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.5 (7.7) 1
176	95.0 - 101.0% of mass 174	81.6 (95.6) 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	VY022145.D	05/05/2025	08:46
VY0505SBL01	VY0505SBL01	VY022146.D	05/05/2025	09:24
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025	09:55
SO-TB-01-042325	Q1883-17	VY022167.D	05/05/2025	18:14
VSTDCCC050EC	VSTDCCC050	VY022168.D	05/05/2025	18:37

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022046.D Date Analyzed: 04/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:28

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	330337	7.71	485397	8.62	453549	11.42
UPPER LIMIT	660674	8.207	970794	9.116	907098	11.92
LOWER LIMIT	165169	7.207	242699	8.116	226775	10.92
EPA SAMPLE NO.						
OU4-PCS-TC-27-042325	271766	7.71	515307	8.61	469079	11.41
OU4-PCS-TC-28-042325	284976	7.71	553971	8.62	516028	11.41
VY0429SBL01	323132	7.71	602161	8.62	529726	11.42
VY0429SBS01	295160	7.71	455592	8.62	411306	11.41
VY0429SBSD01	291903	7.71	448136	8.62	409949	11.41

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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022046.D Date Analyzed: 04/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:28

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

	IS4 AREA #	RT #				
12 HOUR STD	245911	13.346				
UPPER LIMIT	491822	13.846				
LOWER LIMIT	122956	12.846				
EPA SAMPLE NO.						
OU4-PCS-TC-27-042325	180272	13.35				
OU4-PCS-TC-28-042325	215483	13.35				
VY0429SBL01	203699	13.35				
VY0429SBS01	220609	13.35				
VY0429SBSD01	218010	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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022070.D Date Analyzed: 04/30/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:20

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	299393	7.71	438020	8.62	420486	11.41
UPPER LIMIT	598786	8.207	876040	9.116	840972	11.914
LOWER LIMIT	149697	7.207	219010	8.116	210243	10.914
EPA SAMPLE NO.						
OU4-PCS-TC-29-042325	289133	7.71	542827	8.61	488361	11.41
OU4-PCS-TC-30-042325	297053	7.71	550509	8.61	495604	11.41
OU4-PCS-TC-31-042325	295996	7.71	553937	8.62	497554	11.41
OU4-VSL-19-042325	273736	7.71	527033	8.61	495256	11.41
VY0430SBL01	311598	7.71	580894	8.62	511027	11.41
VY0430SBS01	286487	7.71	433702	8.62	405299	11.41

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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022070.D Date Analyzed: 04/30/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:20

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

	IS4 AREA #	RT #				
12 HOUR STD	233640	13.346				
UPPER LIMIT	467280	13.846				
LOWER LIMIT	116820	12.846				
EPA SAMPLE NO.						
OU4-PCS-TC-29-042325	194579	13.35				
OU4-PCS-TC-30-042325	200894	13.35				
OU4-PCS-TC-31-042325	189417	13.35				
OU4-VSL-19-042325	197305	13.35				
VY0430SBL01	186896	13.35				
VY0430SBS01	222589	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022095.D Date Analyzed: 05/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:50

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	300031	7.71	433614	8.62	410078	11.42
UPPER LIMIT	600062	8.207	867228	9.116	820156	11.92
LOWER LIMIT	150016	7.207	216807	8.116	205039	10.92
EPA SAMPLE NO.						
OU4-PCS-TC-32-042325	310481	7.71	585270	8.62	519369	11.41
OU4-VSL-18-042325	307701	7.71	584162	8.62	521346	11.42
VY0501SBL01	317996	7.71	585580	8.62	508953	11.42
VY0501SBS01	294485	7.71	452802	8.62	414235	11.41

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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022095.D Date Analyzed: 05/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:50

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

	IS4 AREA #	RT #				
12 HOUR STD	227184	13.347				
UPPER LIMIT	454368	13.847				
LOWER LIMIT	113592	12.847				
EPA SAMPLE NO.						
OU4-PCS-TC-32-042325	196391	13.35				
OU4-VSL-18-042325	197125	13.35				
VY0501SBL01	180066	13.35				
VY0501SBS01	225406	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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

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	301546	7.71	450262	8.62	415602	11.42
UPPER LIMIT	603092	8.213	900524	9.116	831204	11.92
LOWER LIMIT	150773	7.213	225131	8.116	207801	10.92
EPA SAMPLE NO.						
SO-TB-01-042325	238741	7.71	457703	8.62	406634	11.41
VY0505SBL01	329285	7.71	599236	8.62	511500	11.42
VY0505SBS01	283597	7.71	437631	8.62	395977	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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

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

	IS4 AREA #	RT #				
12 HOUR STD	221579	13.347				
UPPER LIMIT	443158	13.847				
LOWER LIMIT	110790	12.847				
EPA SAMPLE NO.						
SO-TB-01-042325	150906	13.35				
VY0505SBL01	191516	13.35				
VY0505SBS01	212383	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: **VY022064.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	11.64 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
VY022064.D	1		04/29/25 18:14	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0018	U	0.00052	0.0018	0.0023	mg/Kg
74-87-3	Chloromethane	0.0011	U	0.00052	0.0011	0.0023	mg/Kg
75-01-4	Vinyl Chloride	0.0011	U	0.00036	0.0011	0.0023	mg/Kg
74-83-9	Bromomethane	0.0018	U	0.00049	0.0018	0.0023	mg/Kg
75-00-3	Chloroethane	0.0011	U	0.00057	0.0011	0.0023	mg/Kg
109-99-9	Tetrahydrofuran	0.0057	U	0.0021	0.0057	0.011	mg/Kg
75-69-4	Trichlorofluoromethane	0.0018	U	0.00055	0.0018	0.0023	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0011	U	0.00048	0.0011	0.0023	mg/Kg
75-35-4	1,1-Dichloroethene	0.0011	U	0.00045	0.0011	0.0023	mg/Kg
107-13-1	Acrylonitrile	0.0057	U	0.0023	0.0057	0.011	mg/Kg
67-64-1	Acetone	0.0091	U	0.0022	0.0091	0.011	mg/Kg
75-15-0	Carbon Disulfide	0.0018	U	0.00048	0.0018	0.0023	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0011	U	0.00033	0.0011	0.0023	mg/Kg
75-09-2	Methylene Chloride	0.0036	U	0.0016	0.0036	0.0045	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0011	U	0.00039	0.0011	0.0023	mg/Kg
75-34-3	1,1-Dichloroethane	0.0011	U	0.00036	0.0011	0.0023	mg/Kg
78-93-3	2-Butanone	0.0091	U	0.0030	0.0091	0.011	mg/Kg
56-23-5	Carbon Tetrachloride	0.0011	U	0.00044	0.0011	0.0023	mg/Kg
594-20-7	2,2-Dichloropropane	0.0018	U	0.00058	0.0018	0.0023	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0011	U	0.00034	0.0011	0.0023	mg/Kg
67-66-3	Chloroform	0.0018	U	0.00038	0.0018	0.0023	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0011	U	0.00042	0.0011	0.0023	mg/Kg
563-58-6	1,1-Dichloropropene	0.0011	U	0.00040	0.0011	0.0023	mg/Kg
71-43-2	Benzene	0.0011	U	0.00036	0.0011	0.0023	mg/Kg
107-06-2	1,2-Dichloroethane	0.0011	U	0.00036	0.0011	0.0023	mg/Kg
79-01-6	Trichloroethene	0.0011	U	0.00037	0.0011	0.0023	mg/Kg
78-87-5	1,2-Dichloropropane	0.0011	U	0.00041	0.0011	0.0023	mg/Kg
74-95-3	Dibromomethane	0.0011	U	0.00040	0.0011	0.0023	mg/Kg
75-27-4	Bromodichloromethane	0.0011	U	0.00035	0.0011	0.0023	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0057	U	0.0016	0.0057	0.011	mg/Kg

Raw Data: **VY022064.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	11.64 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
VY022064.D	1		04/29/25 18:14	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0011	U	0.00035	0.0011	0.0023	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0011	U	0.00030	0.0011	0.0023	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0011	U	0.00028	0.0011	0.0023	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0011	U	0.00042	0.0011	0.0023	mg/Kg
142-28-9	1,3-Dichloropropane	0.0011	U	0.00031	0.0011	0.0023	mg/Kg
591-78-6	2-Hexanone	0.0057	U	0.0017	0.0057	0.011	mg/Kg
124-48-1	Dibromochloromethane	0.0011	U	0.00040	0.0011	0.0023	mg/Kg
106-93-4	1,2-Dibromoethane	0.0011	U	0.00040	0.0011	0.0023	mg/Kg
127-18-4	Tetrachloroethene	0.0011	U	0.00048	0.0011	0.0023	mg/Kg
108-90-7	Chlorobenzene	0.0011	U	0.00041	0.0011	0.0023	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0011	U	0.00035	0.0011	0.0023	mg/Kg
100-41-4	Ethyl Benzene	0.0011	U	0.00030	0.0011	0.0023	mg/Kg
179601-23-1	m/p-Xylenes	0.0023	U	0.00056	0.0023	0.0045	mg/Kg
1330-20-7	Total Xylenes	0.0034	U	0.00093	0.0034	0.0068	mg/Kg
95-47-6	o-Xylene	0.0011	U	0.00037	0.0011	0.0023	mg/Kg
100-42-5	Styrene	0.0011	U	0.00032	0.0011	0.0023	mg/Kg
75-25-2	Bromoform	0.0011	U	0.00039	0.0011	0.0023	mg/Kg
98-82-8	Isopropylbenzene	0.0011	U	0.00035	0.0011	0.0023	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.00055	0.0011	0.0023	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0018	U	0.00056	0.0018	0.0023	mg/Kg
108-86-1	Bromobenzene	0.0011	U	0.00055	0.0011	0.0023	mg/Kg
103-65-1	n-propylbenzene	0.0011	U	0.00033	0.0011	0.0023	mg/Kg
95-49-8	2-Chlorotoluene	0.0011	U	0.00031	0.0011	0.0023	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0011	U	0.00037	0.0011	0.0023	mg/Kg
106-43-4	4-Chlorotoluene	0.0011	U	0.00055	0.0011	0.0023	mg/Kg
98-06-6	tert-Butylbenzene	0.0011	U	0.00030	0.0011	0.0023	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0011	U	0.00029	0.0011	0.0023	mg/Kg
135-98-8	sec-Butylbenzene	0.0011	U	0.00030	0.0011	0.0023	mg/Kg
99-87-6	p-Isopropyltoluene	0.0011	U	0.00028	0.0011	0.0023	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0011	U	0.00078	0.0011	0.0023	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0011	U	0.00071	0.0011	0.0023	mg/Kg

Raw Data: **VY022064.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	11.64 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
VY022064.D	1		04/29/25 18:14	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0011	U	0.00066	0.0011	0.0023	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0011	U	0.00066	0.0011	0.0023	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0018	U	0.00084	0.0018	0.0023	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0018	U	0.0014	0.0018	0.0023	mg/Kg
87-68-3	Hexachlorobutadiene	0.0011	U	0.00086	0.0011	0.0023	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0018	U	0.0014	0.0018	0.0023	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0011	U	0.00048	0.0011	0.0023	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.3		71 - 136		111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		79 - 119		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	272000	7.707				
540-36-3	1,4-Difluorobenzene	515000	8.609				
3114-55-4	Chlorobenzene-d5	469000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	180000	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\VY042925\
Data File : VY022064.D
Acq On : 29 Apr 2025 18:14
Operator : SY/MD
Sample : Q1883-01
Misc : 11.64g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Quant Time: Apr 30 01:35:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	515307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	469079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	138737	55.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.540%			
35) Dibromofluoromethane	7.634	113	178302	52.374	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.740%			
50) Toluene-d8	10.103	98	624590	48.665	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.401	95	222766	51.559	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			

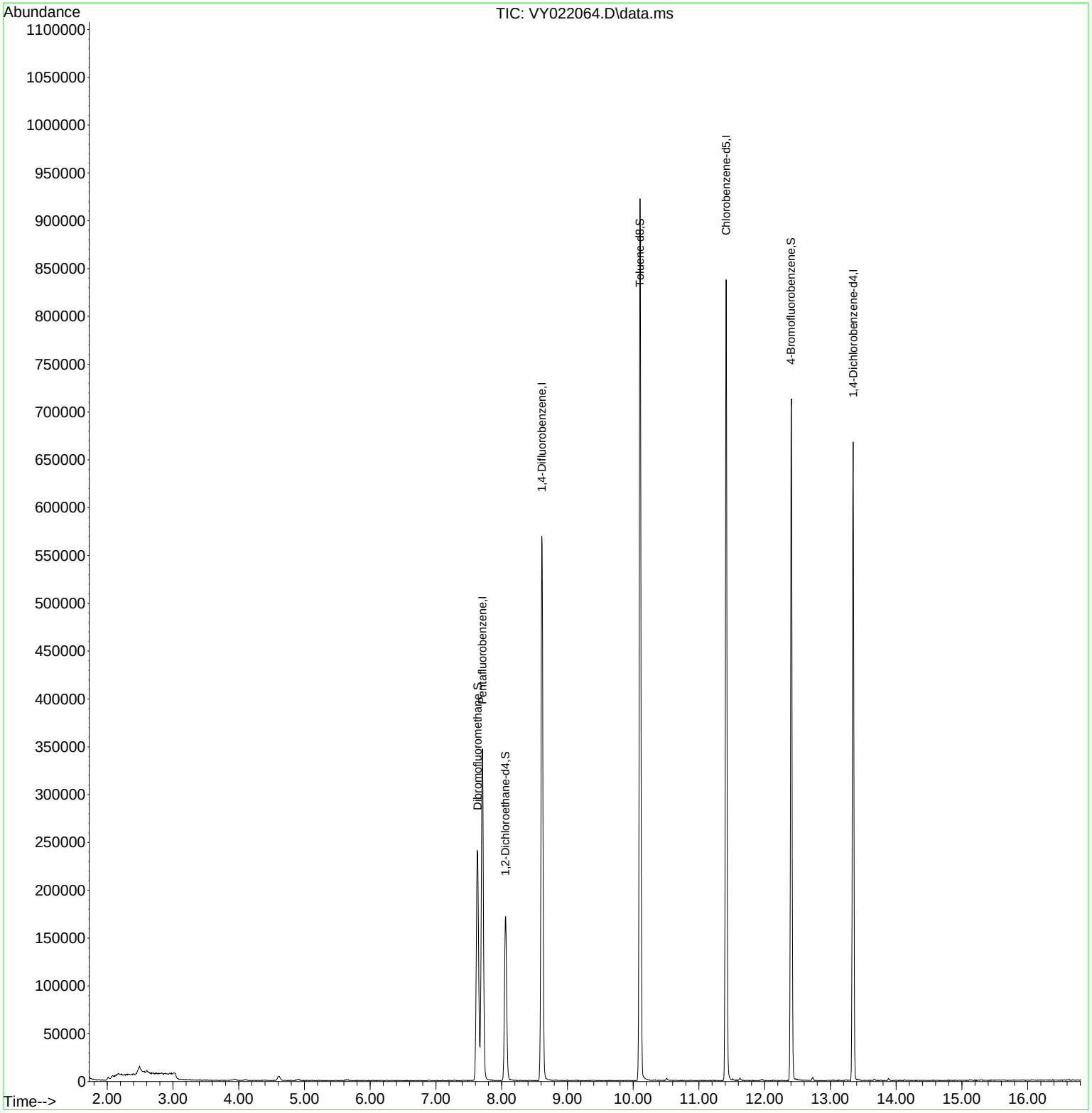
Target Compounds Qvalue

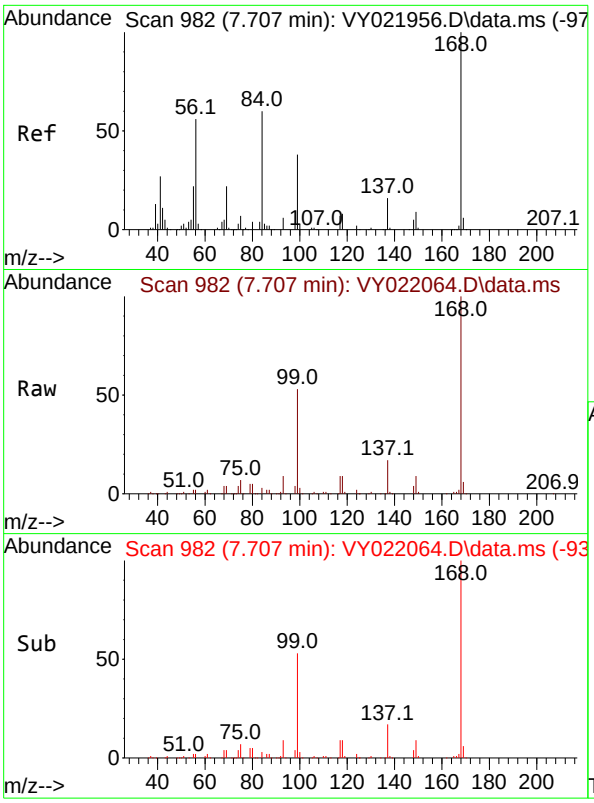
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022064.D
Acq On : 29 Apr 2025 18:14
Operator : SY/MD
Sample : Q1883-01
Misc : 11.64g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Quant Time: Apr 30 01:35:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



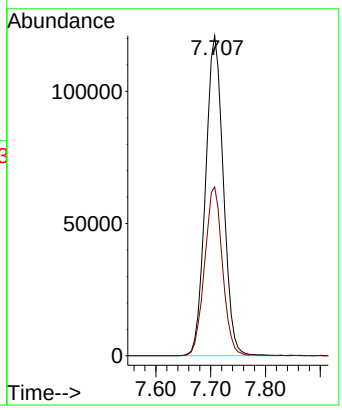


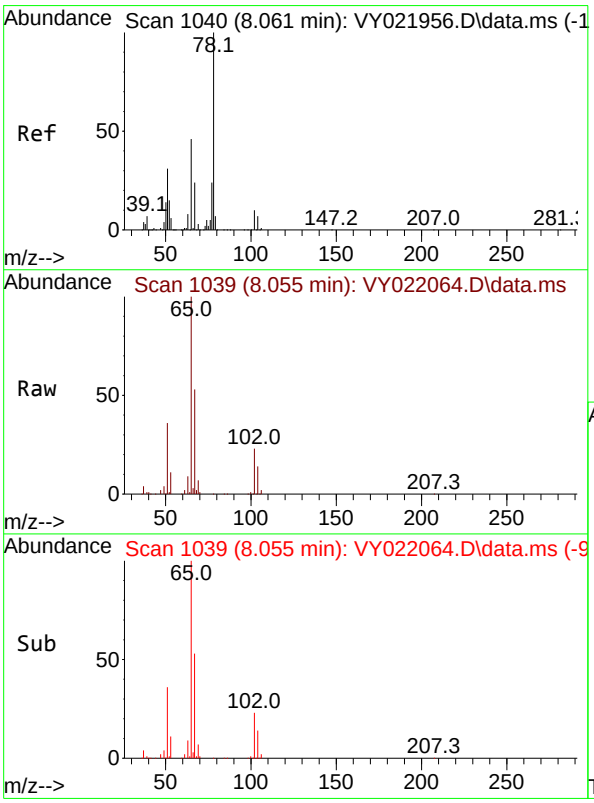
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:168 Resp: 271766

Ion	Ratio	Lower	Upper
168	100		
99	52.7	43.1	64.7

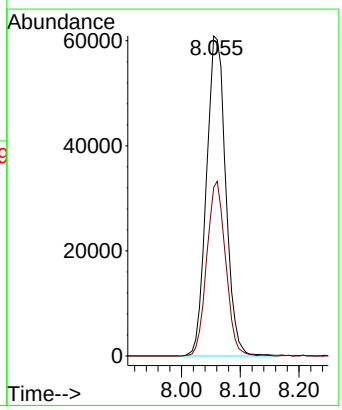


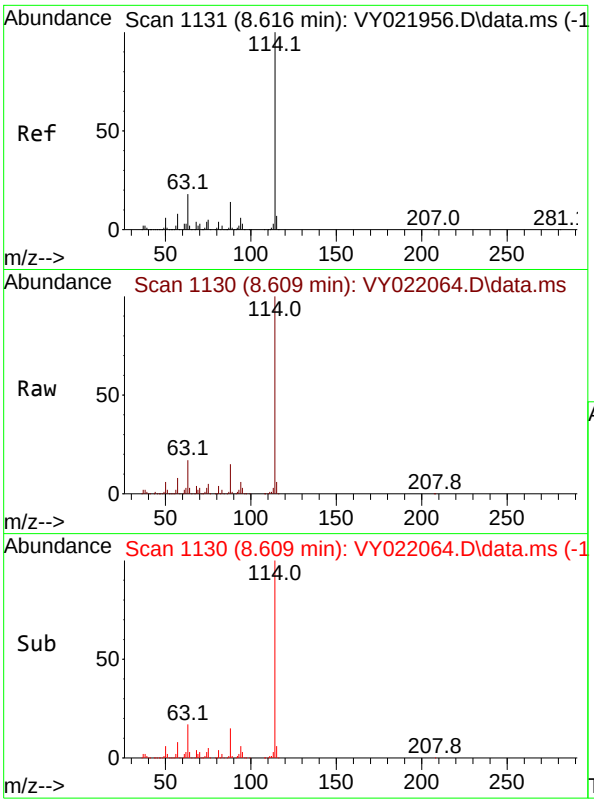


#33
1,2-Dichloroethane-d4
Concen: 55.268 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion: 65 Resp: 138737

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8



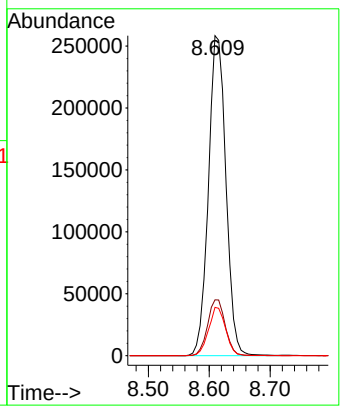


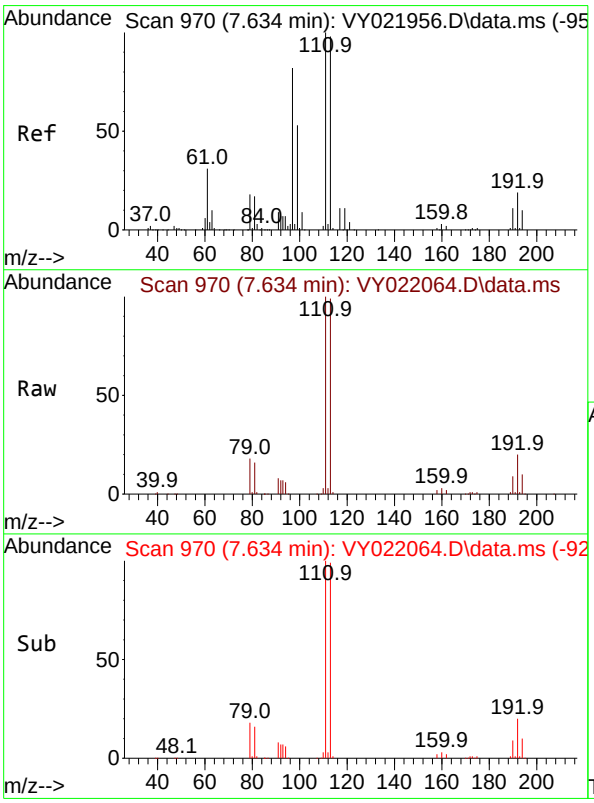
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:114 Resp: 515307

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.4
88	15.1	0.0	28.2

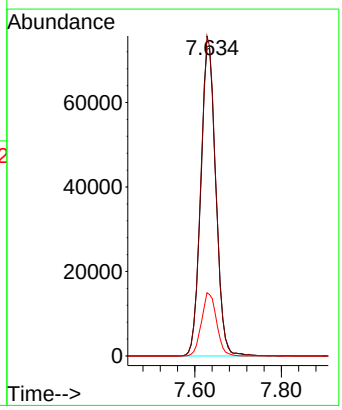


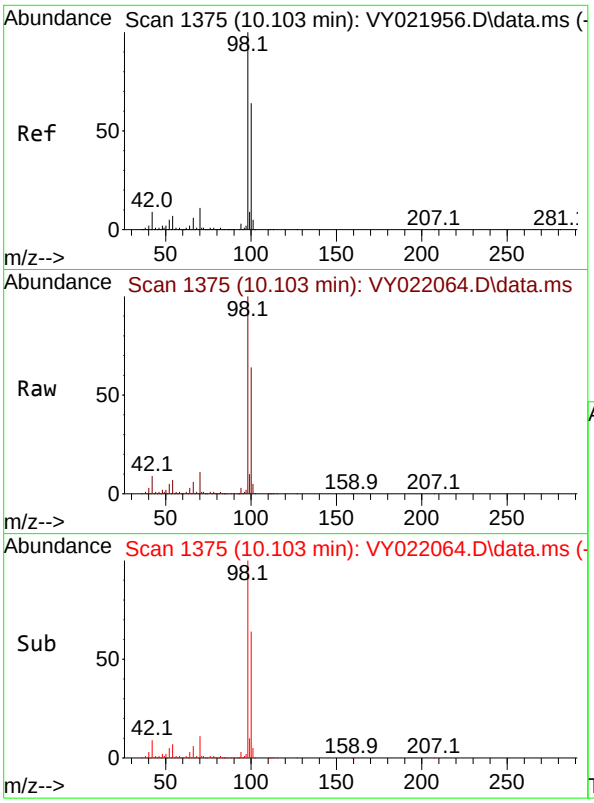


#35
Dibromofluoromethane
Concen: 52.374 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion:113 Resp: 178302

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	20.2	15.6	23.4



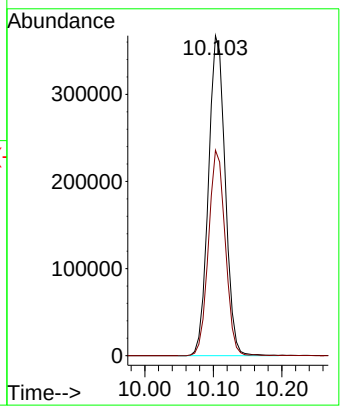


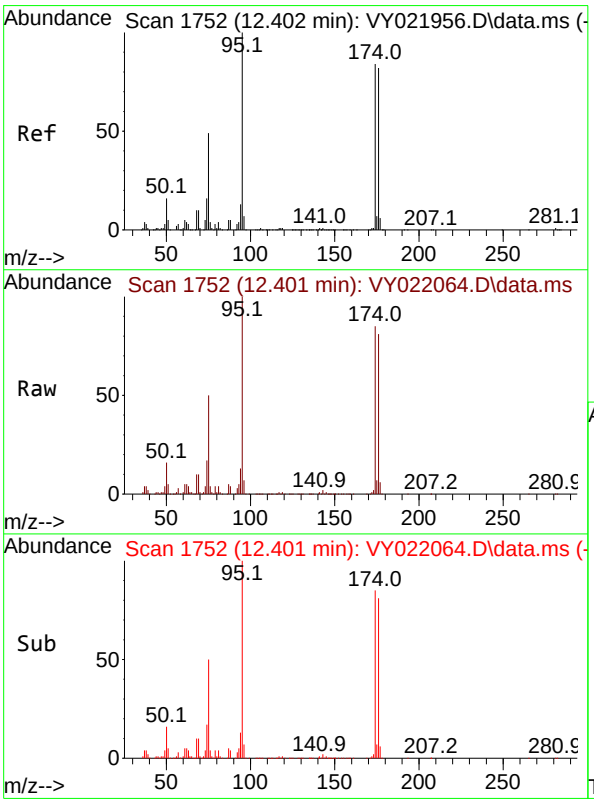
#50
Toluene-d8
Concen: 48.665 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion: 98 Resp: 624590

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

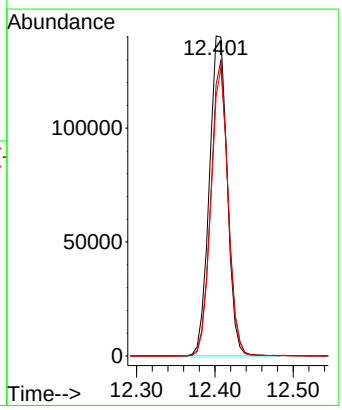


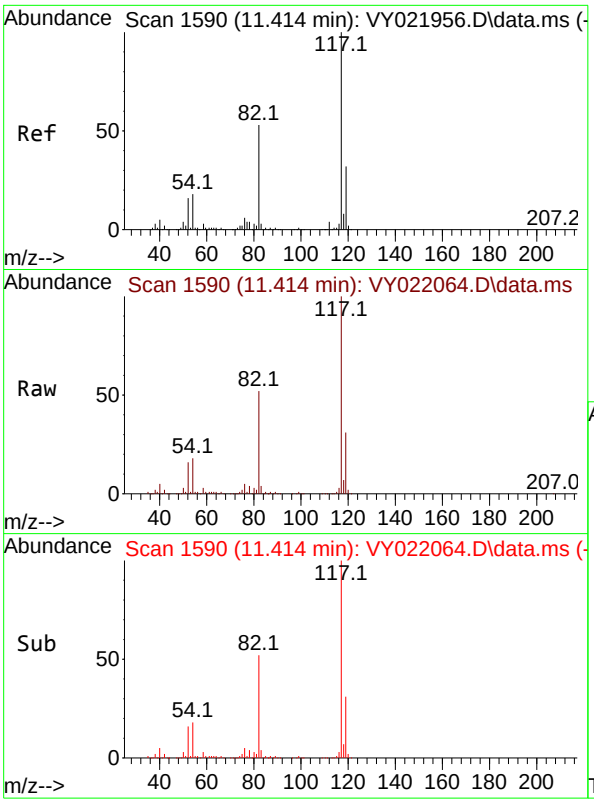


#62
4-Bromofluorobenzene
Concen: 51.559 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion: 95 Resp: 222766

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	179.0
176	86.4	0.0	171.8



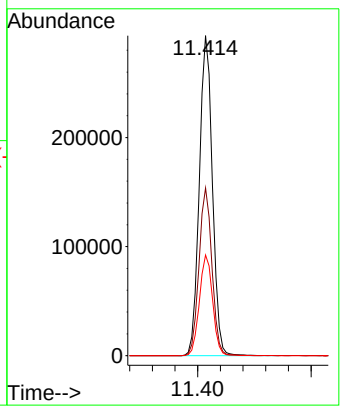


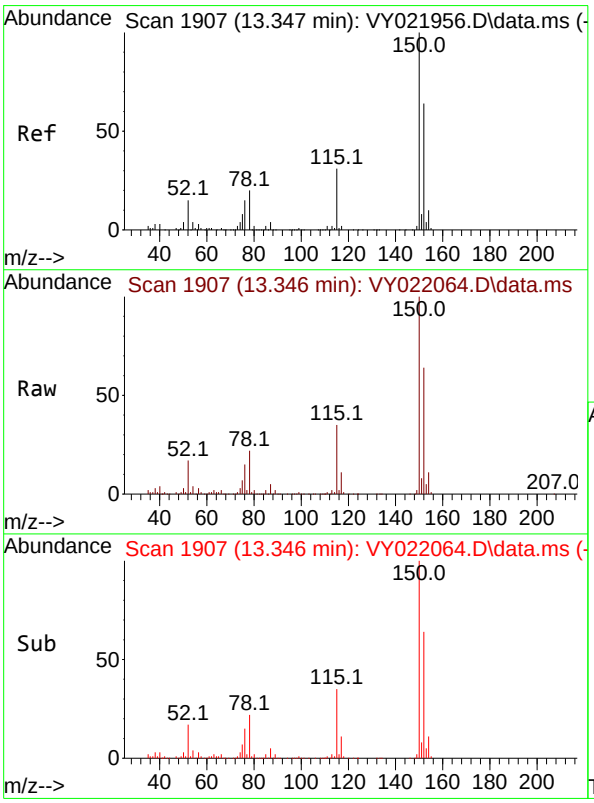
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:117 Resp: 469079

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.1	63.1
119	31.4	25.7	38.5

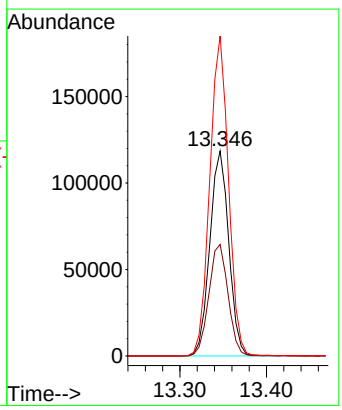




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022064.D
Acq: 29 Apr 2025 18:14

Tgt Ion:152 Resp: 180272

Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.0	84.0
150	153.9	0.0	345.6



Raw Data: **VY022065.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	15.55 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
VY022065.D	1		04/29/25 18:37	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0014	U	0.00039	0.0014	0.0017	mg/Kg
74-87-3	Chloromethane	0.00085	U	0.00039	0.00085	0.0017	mg/Kg
75-01-4	Vinyl Chloride	0.00085	U	0.00027	0.00085	0.0017	mg/Kg
74-83-9	Bromomethane	0.0014	U	0.00036	0.0014	0.0017	mg/Kg
75-00-3	Chloroethane	0.00085	U	0.00043	0.00085	0.0017	mg/Kg
109-99-9	Tetrahydrofuran	0.0043	U	0.0016	0.0043	0.0085	mg/Kg
75-69-4	Trichlorofluoromethane	0.0014	U	0.00041	0.0014	0.0017	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00085	U	0.00036	0.00085	0.0017	mg/Kg
75-35-4	1,1-Dichloroethene	0.00085	U	0.00034	0.00085	0.0017	mg/Kg
107-13-1	Acrylonitrile	0.0043	U	0.0017	0.0043	0.0085	mg/Kg
67-64-1	Acetone	0.016		0.0016	0.0068	0.0085	mg/Kg
75-15-0	Carbon Disulfide	0.0014	U	0.00036	0.0014	0.0017	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00085	U	0.00025	0.00085	0.0017	mg/Kg
75-09-2	Methylene Chloride	0.0027	U	0.0012	0.0027	0.0034	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00085	U	0.00029	0.00085	0.0017	mg/Kg
75-34-3	1,1-Dichloroethane	0.00085	U	0.00027	0.00085	0.0017	mg/Kg
78-93-3	2-Butanone	0.0068	U	0.0022	0.0068	0.0085	mg/Kg
56-23-5	Carbon Tetrachloride	0.00085	U	0.00033	0.00085	0.0017	mg/Kg
594-20-7	2,2-Dichloropropane	0.0014	U	0.00044	0.0014	0.0017	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00085	U	0.00026	0.00085	0.0017	mg/Kg
67-66-3	Chloroform	0.0014	U	0.00029	0.0014	0.0017	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00085	U	0.00032	0.00085	0.0017	mg/Kg
563-58-6	1,1-Dichloropropene	0.00085	U	0.00030	0.00085	0.0017	mg/Kg
71-43-2	Benzene	0.00085	U	0.00027	0.00085	0.0017	mg/Kg
107-06-2	1,2-Dichloroethane	0.00085	U	0.00027	0.00085	0.0017	mg/Kg
79-01-6	Trichloroethene	0.00085	U	0.00028	0.00085	0.0017	mg/Kg
78-87-5	1,2-Dichloropropane	0.00085	U	0.00031	0.00085	0.0017	mg/Kg
74-95-3	Dibromomethane	0.00085	U	0.00030	0.00085	0.0017	mg/Kg
75-27-4	Bromodichloromethane	0.00085	U	0.00027	0.00085	0.0017	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0043	U	0.0012	0.0043	0.0085	mg/Kg

Raw Data: **VY022065.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	15.55 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
VY022065.D	1		04/29/25 18:37	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.00085	U	0.00027	0.00085	0.0017	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00085	U	0.00022	0.00085	0.0017	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00085	U	0.00021	0.00085	0.0017	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00085	U	0.00031	0.00085	0.0017	mg/Kg
142-28-9	1,3-Dichloropropane	0.00085	U	0.00023	0.00085	0.0017	mg/Kg
591-78-6	2-Hexanone	0.0043	U	0.0013	0.0043	0.0085	mg/Kg
124-48-1	Dibromochloromethane	0.00085	U	0.00030	0.00085	0.0017	mg/Kg
106-93-4	1,2-Dibromoethane	0.00085	U	0.00030	0.00085	0.0017	mg/Kg
127-18-4	Tetrachloroethene	0.00085	U	0.00036	0.00085	0.0017	mg/Kg
108-90-7	Chlorobenzene	0.00085	U	0.00031	0.00085	0.0017	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.00085	U	0.00026	0.00085	0.0017	mg/Kg
100-41-4	Ethyl Benzene	0.00085	U	0.00023	0.00085	0.0017	mg/Kg
179601-23-1	m/p-Xylenes	0.0017	U	0.00042	0.0017	0.0034	mg/Kg
1330-20-7	Total Xylenes	0.0026	U	0.00070	0.0026	0.0051	mg/Kg
95-47-6	o-Xylene	0.00085	U	0.00028	0.00085	0.0017	mg/Kg
100-42-5	Styrene	0.00085	U	0.00024	0.00085	0.0017	mg/Kg
75-25-2	Bromoform	0.00085	U	0.00029	0.00085	0.0017	mg/Kg
98-82-8	Isopropylbenzene	0.00085	U	0.00027	0.00085	0.0017	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00085	U	0.00041	0.00085	0.0017	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0014	U	0.00042	0.0014	0.0017	mg/Kg
108-86-1	Bromobenzene	0.00085	U	0.00041	0.00085	0.0017	mg/Kg
103-65-1	n-propylbenzene	0.00085	U	0.00025	0.00085	0.0017	mg/Kg
95-49-8	2-Chlorotoluene	0.00085	U	0.00023	0.00085	0.0017	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.00085	U	0.00028	0.00085	0.0017	mg/Kg
106-43-4	4-Chlorotoluene	0.00085	U	0.00042	0.00085	0.0017	mg/Kg
98-06-6	tert-Butylbenzene	0.00085	U	0.00023	0.00085	0.0017	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.00085	U	0.00022	0.00085	0.0017	mg/Kg
135-98-8	sec-Butylbenzene	0.00085	U	0.00022	0.00085	0.0017	mg/Kg
99-87-6	p-Isopropyltoluene	0.00085	U	0.00021	0.00085	0.0017	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00085	U	0.00058	0.00085	0.0017	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00085	U	0.00053	0.00085	0.0017	mg/Kg

Raw Data: **VY022065.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.5
Sample Wt/Vol:	15.55 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
VY022065.D	1		04/29/25 18:37	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.00085	U	0.00049	0.00085	0.0017	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00085	U	0.00049	0.00085	0.0017	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0014	U	0.00063	0.0014	0.0017	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0014	U	0.0010	0.0014	0.0017	mg/Kg
87-68-3	Hexachlorobutadiene	0.00085	U	0.00065	0.00085	0.0017	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0014	U	0.0011	0.0014	0.0017	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.00085	U	0.00036	0.00085	0.0017	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.8		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	48.2		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.1		79 - 119		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	285000	7.707				
540-36-3	1,4-Difluorobenzene	554000	8.616				
3114-55-4	Chlorobenzene-d5	516000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	215000	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\VY042925\
Data File : VY022065.D
Acq On : 29 Apr 2025 18:37
Operator : SY/MD
Sample : Q1883-03
Misc : 15.55g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

Quant Time: Apr 30 01:35:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

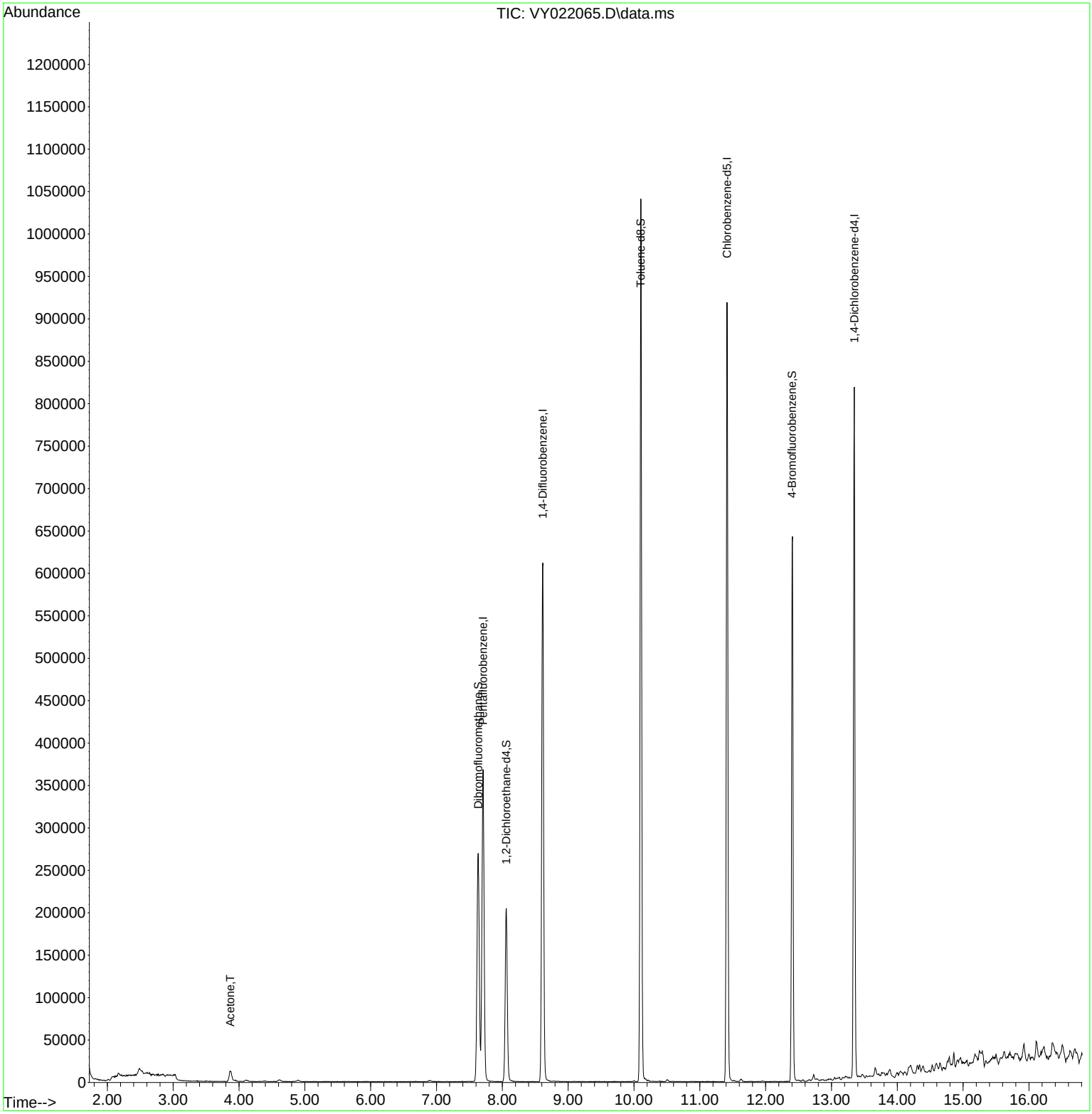
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	284976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	516028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160162	60.846	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.700%			
35) Dibromofluoromethane	7.634	113	194988	53.278	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.560%			
50) Toluene-d8	10.103	98	665607	48.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.480%			
62) 4-Bromofluorobenzene	12.401	95	199983	43.055	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.120%			
Target Compounds						Qvalue
16) Acetone	3.866	43	21674	45.428	ug/l	98

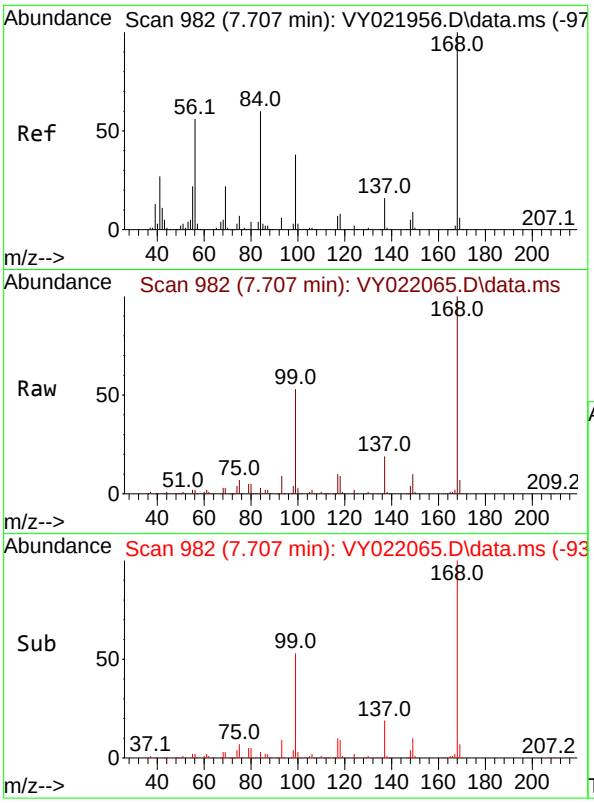
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022065.D
Acq On : 29 Apr 2025 18:37
Operator : SY/MD
Sample : Q1883-03
Misc : 15.55g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

Quant Time: Apr 30 01:35:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



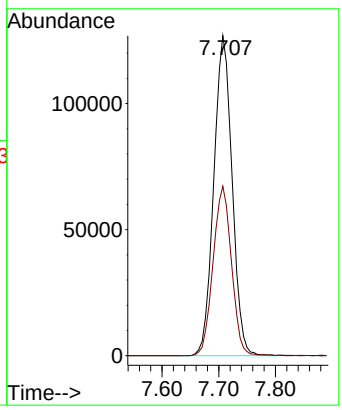


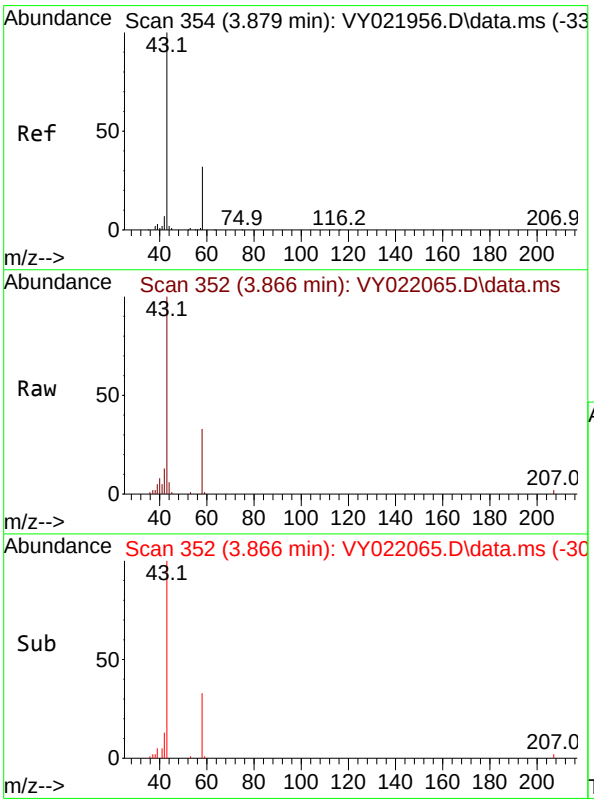
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion:168 Resp: 284976

Ion	Ratio	Lower	Upper
168	100		
99	53.0	43.1	64.7

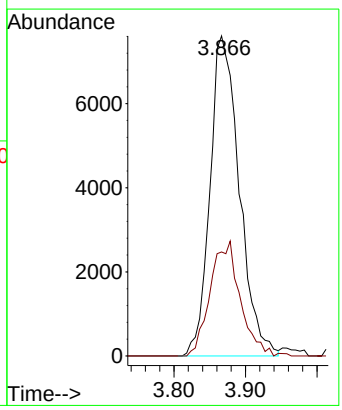


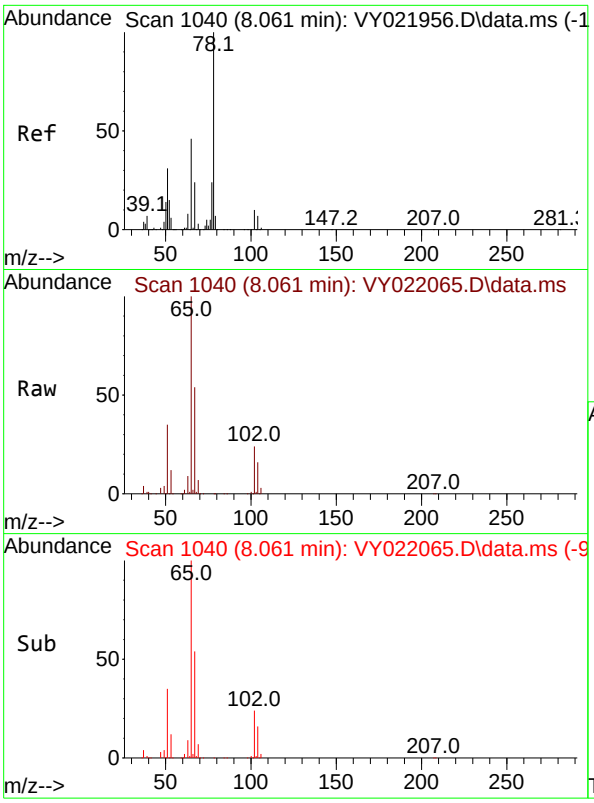


#16
Acetone
Concen: 45.428 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion: 43 Resp: 21674

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.0	40.4



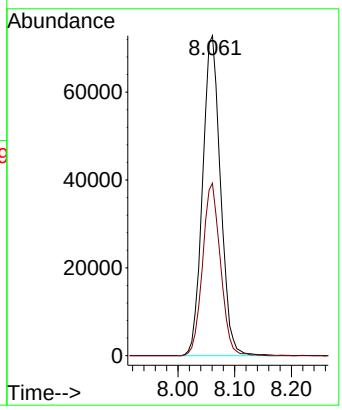


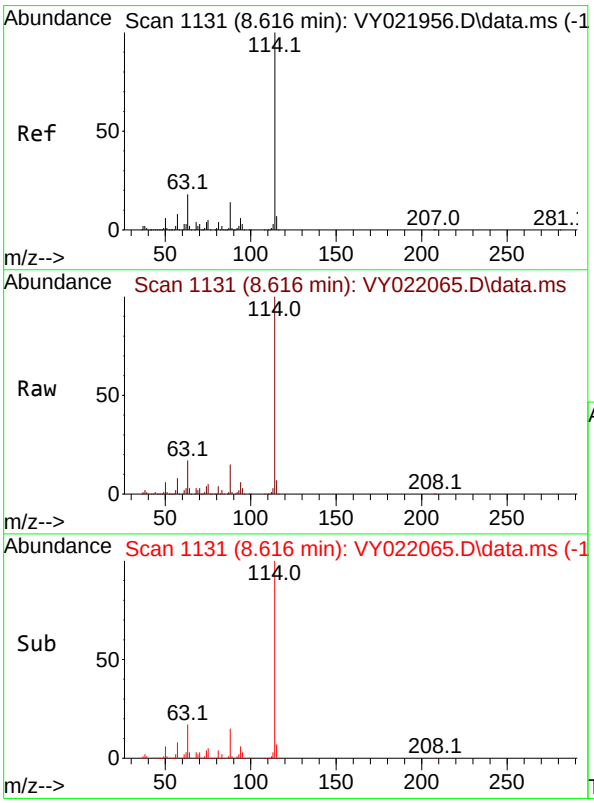
#33
1,2-Dichloroethane-d4
Concen: 60.846 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion: 65 Resp: 160162

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	105.8

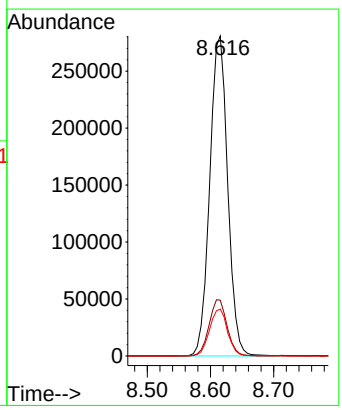


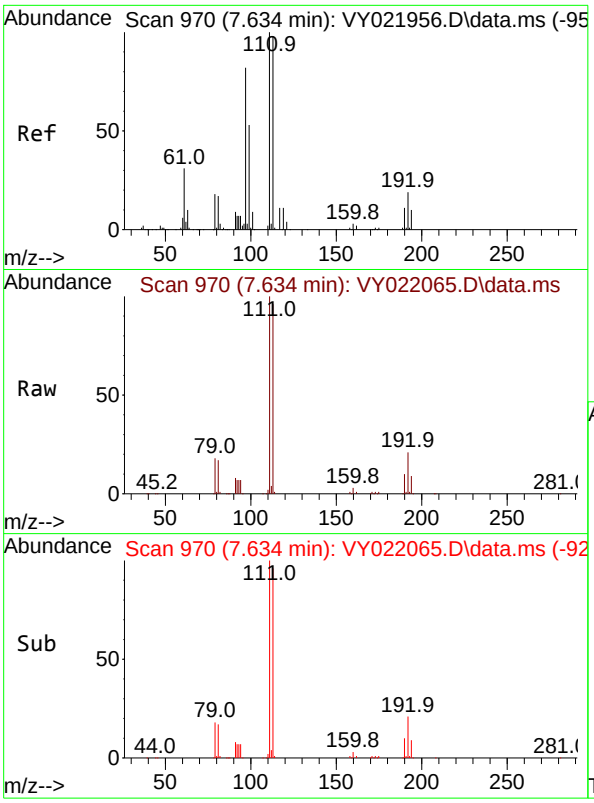


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion:114 Resp: 553971

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.4
88	14.6	0.0	28.2



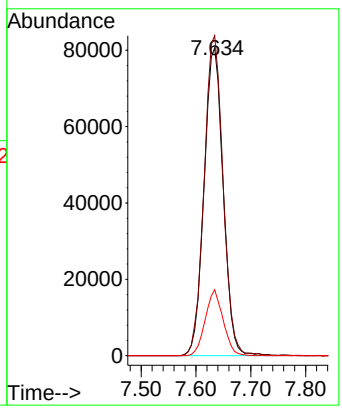


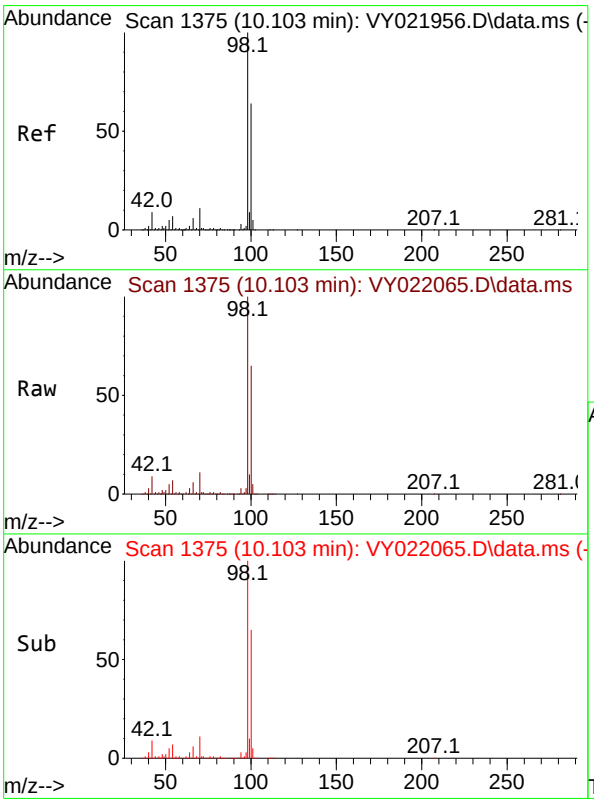
#35
Dibromofluoromethane
Concen: 53.278 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion:113 Resp: 194988

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	20.0	15.6	23.4

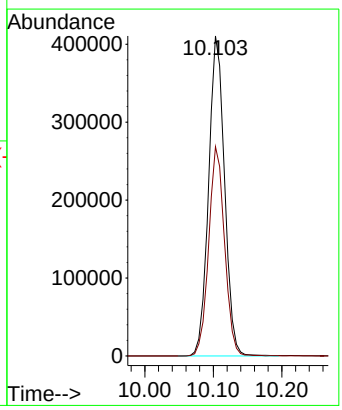


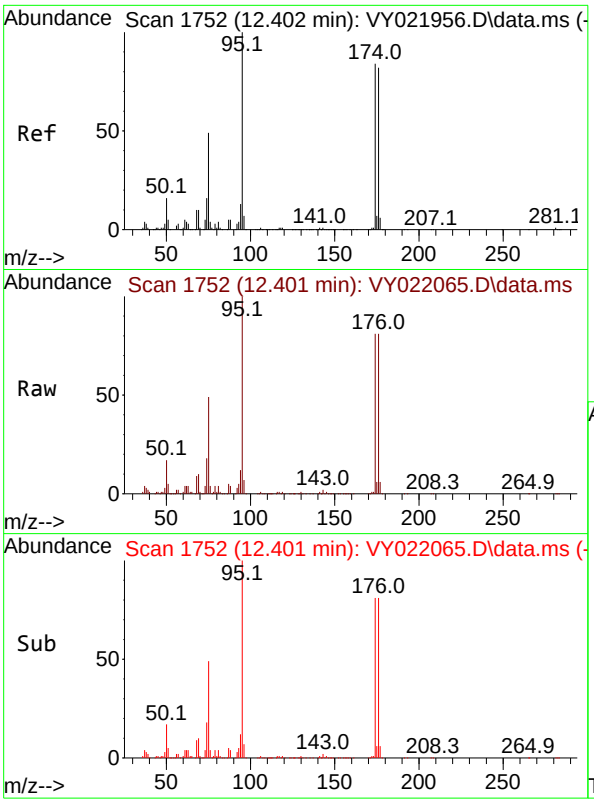


#50
Toluene-d8
Concen: 48.241 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion: 98 Resp: 665607

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4



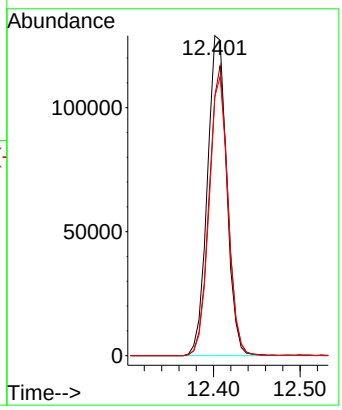


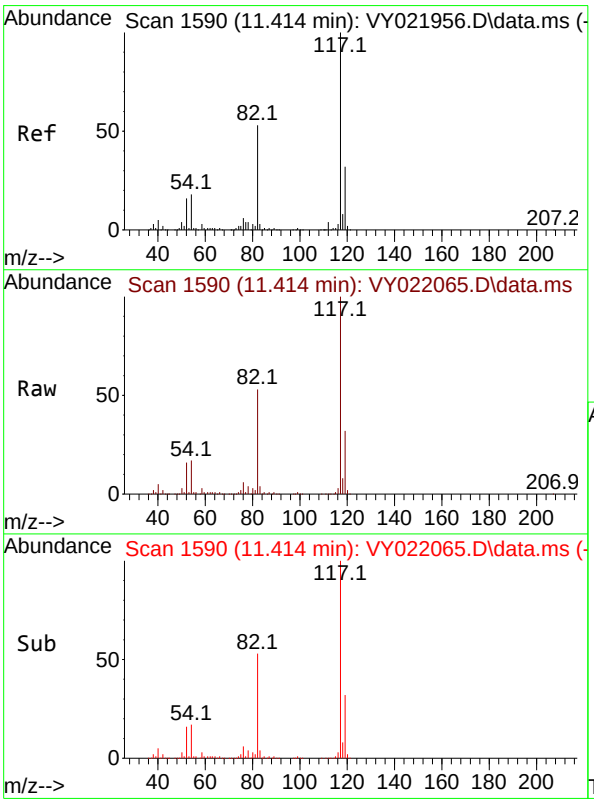
#62
4-Bromofluorobenzene
Concen: 43.055 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion: 95 Resp: 199983

Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	179.0
176	85.5	0.0	171.8

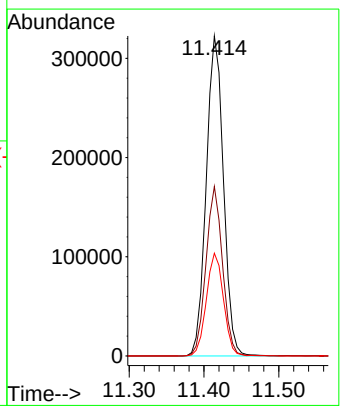


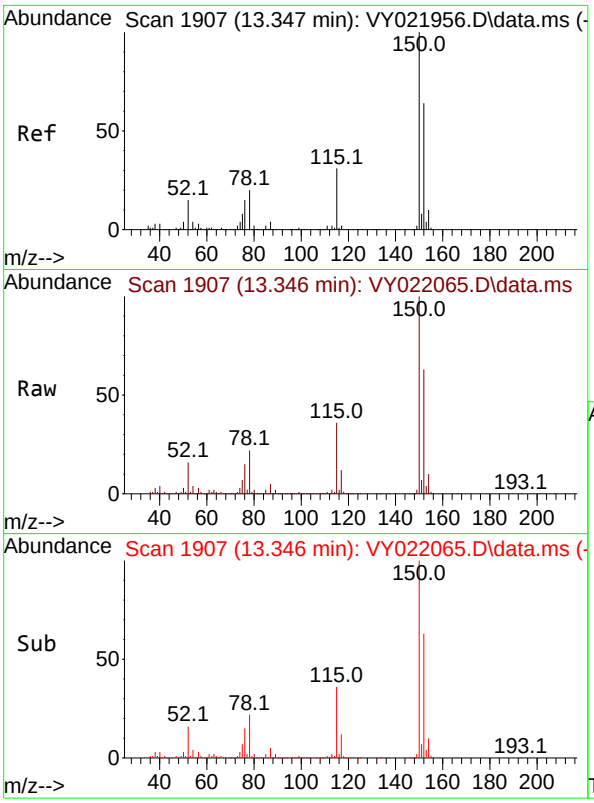


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion:117 Resp: 516028

Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.1	63.1
119	32.1	25.7	38.5



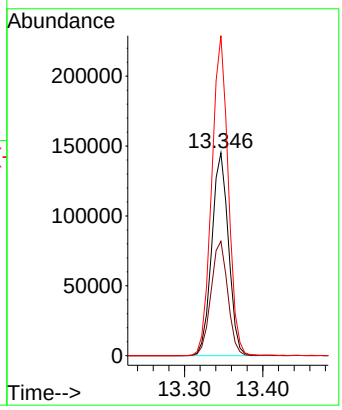


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion:152 Resp: 215483

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.0	84.0
150	155.8	0.0	345.6



Raw Data: **VY022079.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	13.86 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
VY022079.D	1		04/30/25 13:34	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0015	U	0.00043	0.0015	0.0019	mg/Kg
74-87-3	Chloromethane	0.00094	U	0.00043	0.00094	0.0019	mg/Kg
75-01-4	Vinyl Chloride	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
74-83-9	Bromomethane	0.0015	U	0.00040	0.0015	0.0019	mg/Kg
75-00-3	Chloroethane	0.00094	U	0.00047	0.00094	0.0019	mg/Kg
109-99-9	Tetrahydrofuran	0.0047	U	0.0018	0.0047	0.0094	mg/Kg
75-69-4	Trichlorofluoromethane	0.0015	U	0.00046	0.0015	0.0019	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00094	U	0.00040	0.00094	0.0019	mg/Kg
75-35-4	1,1-Dichloroethene	0.00094	U	0.00038	0.00094	0.0019	mg/Kg
107-13-1	Acrylonitrile	0.0047	U	0.0019	0.0047	0.0094	mg/Kg
67-64-1	Acetone	0.0075	U	0.0018	0.0075	0.0094	mg/Kg
75-15-0	Carbon Disulfide	0.0015	U	0.00040	0.0015	0.0019	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00094	U	0.00028	0.00094	0.0019	mg/Kg
75-09-2	Methylene Chloride	0.0030	U	0.0013	0.0030	0.0038	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00094	U	0.00032	0.00094	0.0019	mg/Kg
75-34-3	1,1-Dichloroethane	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
78-93-3	2-Butanone	0.0075	U	0.0025	0.0075	0.0094	mg/Kg
56-23-5	Carbon Tetrachloride	0.00094	U	0.00037	0.00094	0.0019	mg/Kg
594-20-7	2,2-Dichloropropane	0.0015	U	0.00048	0.0015	0.0019	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00094	U	0.00028	0.00094	0.0019	mg/Kg
67-66-3	Chloroform	0.0015	U	0.00032	0.0015	0.0019	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00094	U	0.00035	0.00094	0.0019	mg/Kg
563-58-6	1,1-Dichloropropene	0.00094	U	0.00033	0.00094	0.0019	mg/Kg
71-43-2	Benzene	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
107-06-2	1,2-Dichloroethane	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
79-01-6	Trichloroethene	0.00094	U	0.00031	0.00094	0.0019	mg/Kg
78-87-5	1,2-Dichloropropane	0.00094	U	0.00034	0.00094	0.0019	mg/Kg
74-95-3	Dibromomethane	0.00094	U	0.00034	0.00094	0.0019	mg/Kg
75-27-4	Bromodichloromethane	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0047	U	0.0013	0.0047	0.0094	mg/Kg

Raw Data: **VY022079.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	13.86 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
VY022079.D	1		04/30/25 13:34	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00094	U	0.00023	0.00094	0.0019	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00094	U	0.00035	0.00094	0.0019	mg/Kg
142-28-9	1,3-Dichloropropane	0.00094	U	0.00026	0.00094	0.0019	mg/Kg
591-78-6	2-Hexanone	0.0047	U	0.0014	0.0047	0.0094	mg/Kg
124-48-1	Dibromochloromethane	0.00094	U	0.00033	0.00094	0.0019	mg/Kg
106-93-4	1,2-Dibromoethane	0.00094	U	0.00033	0.00094	0.0019	mg/Kg
127-18-4	Tetrachloroethene	0.00094	U	0.00040	0.00094	0.0019	mg/Kg
108-90-7	Chlorobenzene	0.00094	U	0.00034	0.00094	0.0019	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
100-41-4	Ethyl Benzene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
179601-23-1	m/p-Xylenes	0.0019	U	0.00047	0.0019	0.0038	mg/Kg
1330-20-7	Total Xylenes	0.0028	U	0.00078	0.0028	0.0057	mg/Kg
95-47-6	o-Xylene	0.00094	U	0.00031	0.00094	0.0019	mg/Kg
100-42-5	Styrene	0.00094	U	0.00027	0.00094	0.0019	mg/Kg
75-25-2	Bromoform	0.00094	U	0.00032	0.00094	0.0019	mg/Kg
98-82-8	Isopropylbenzene	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00094	U	0.00046	0.00094	0.0019	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0015	U	0.00047	0.0015	0.0019	mg/Kg
108-86-1	Bromobenzene	0.00094	U	0.00045	0.00094	0.0019	mg/Kg
103-65-1	n-propylbenzene	0.00094	U	0.00028	0.00094	0.0019	mg/Kg
95-49-8	2-Chlorotoluene	0.00094	U	0.00026	0.00094	0.0019	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.00094	U	0.00031	0.00094	0.0019	mg/Kg
106-43-4	4-Chlorotoluene	0.00094	U	0.00046	0.00094	0.0019	mg/Kg
98-06-6	tert-Butylbenzene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.00094	U	0.00024	0.00094	0.0019	mg/Kg
135-98-8	sec-Butylbenzene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
99-87-6	p-Isopropyltoluene	0.00094	U	0.00023	0.00094	0.0019	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00094	U	0.00064	0.00094	0.0019	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00094	U	0.00059	0.00094	0.0019	mg/Kg

Raw Data: **VY022079.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	13.86 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
VY022079.D	1		04/30/25 13:34	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.00094	U	0.00055	0.00094	0.0019	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00094	U	0.00055	0.00094	0.0019	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0015	U	0.00069	0.0015	0.0019	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0015	U	0.0011	0.0015	0.0019	mg/Kg
87-68-3	Hexachlorobutadiene	0.00094	U	0.00072	0.00094	0.0019	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0015	U	0.0012	0.0015	0.0019	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.00094	U	0.00040	0.00094	0.0019	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		71 - 136		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.5		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4		79 - 119		119%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	289000	7.707				
540-36-3	1,4-Difluorobenzene	543000	8.609				
3114-55-4	Chlorobenzene-d5	488000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	195000	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: **VY022079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022079.D
Acq On : 30 Apr 2025 13:34
Operator : SY/MD
Sample : Q1883-05
Misc : 13.86g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Quant Time: May 01 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	289133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	542827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	488361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	194579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142518	53.364	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.720%			
35) Dibromofluoromethane	7.628	113	183792	51.250	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.500%			
50) Toluene-d8	10.103	98	655856	48.510	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.020%			
62) 4-Bromofluorobenzene	12.401	95	270533	59.440	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.880%			

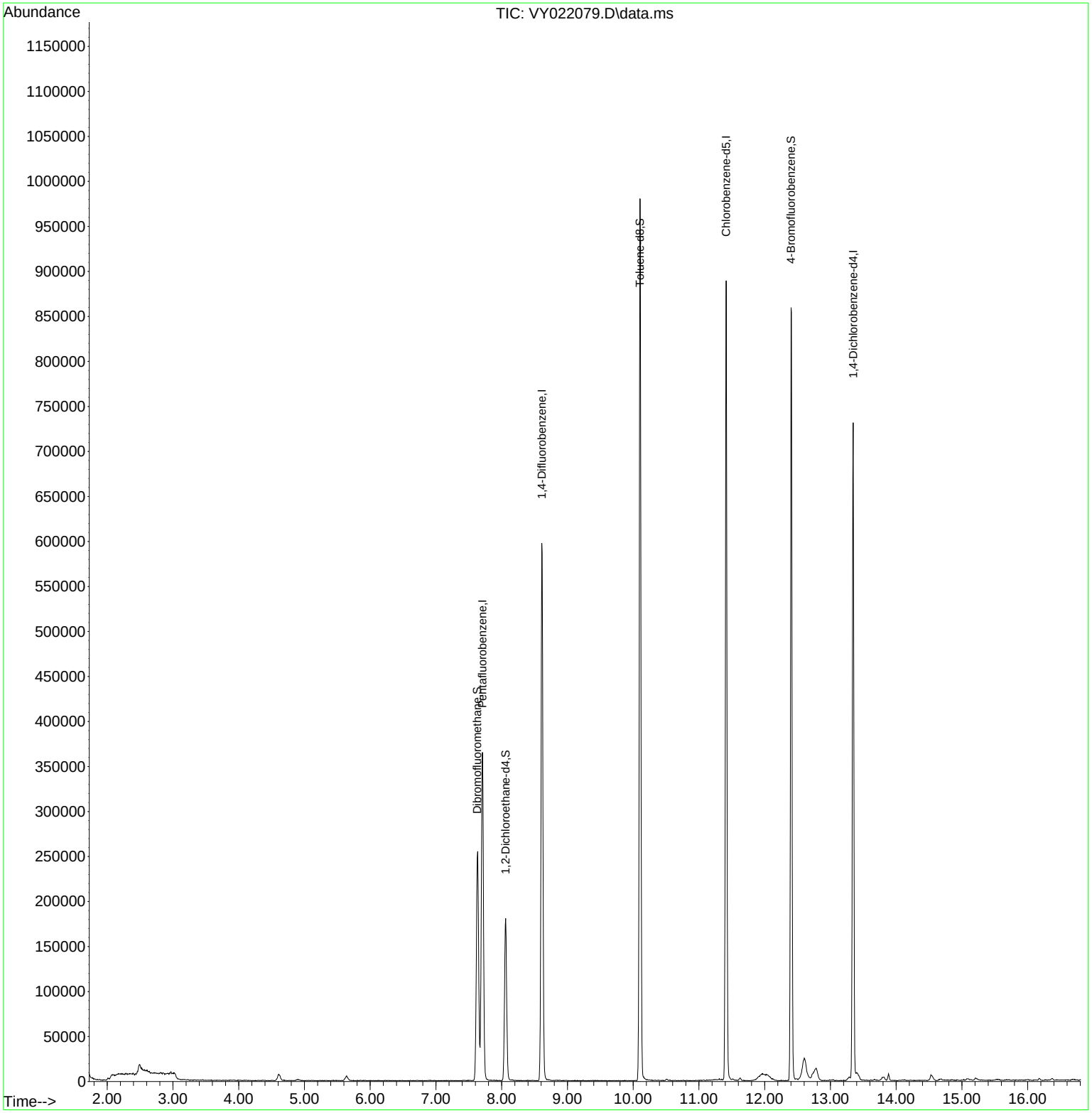
Target Compounds Qvalue

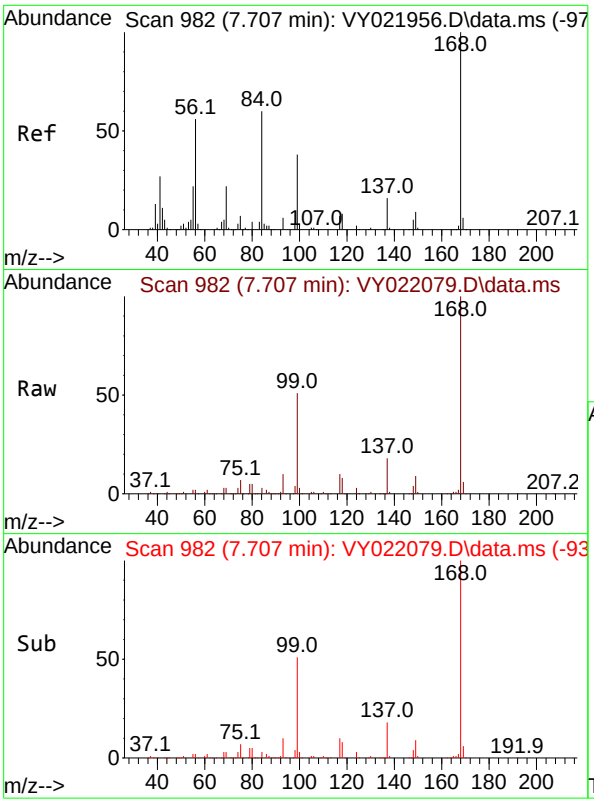
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022079.D
Acq On : 30 Apr 2025 13:34
Operator : SY/MD
Sample : Q1883-05
Misc : 13.86g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Quant Time: May 01 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



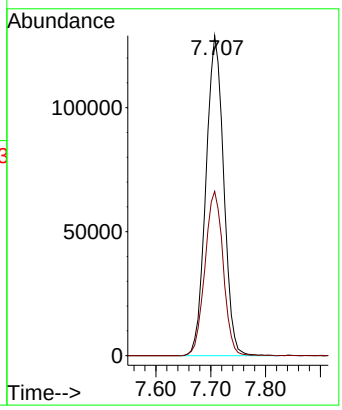


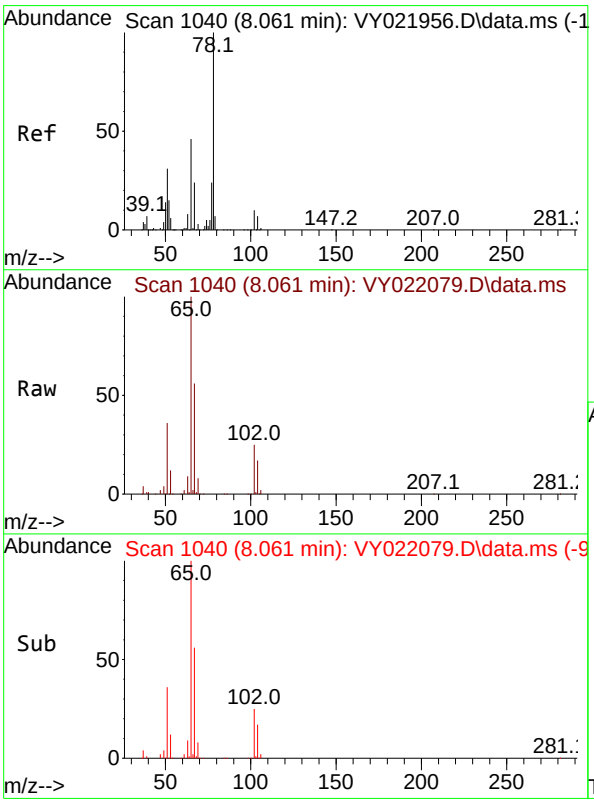
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:168 Resp: 289133

Ion	Ratio	Lower	Upper
168	100		
99	51.4	43.1	64.7

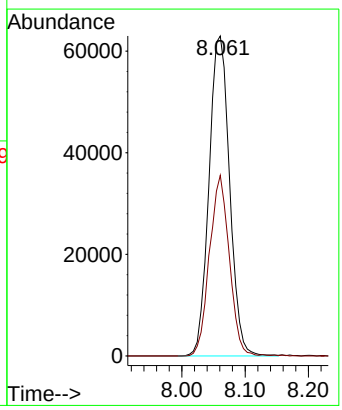


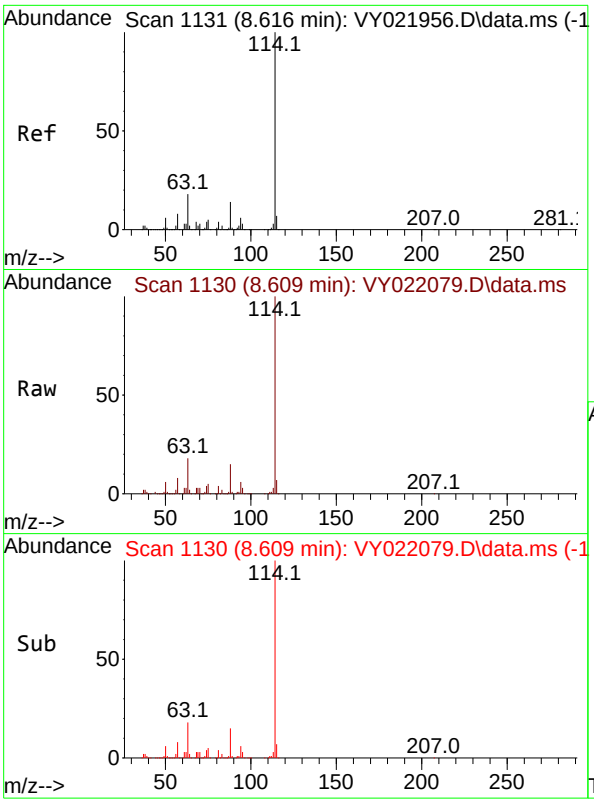


#33
1,2-Dichloroethane-d4
Concen: 53.364 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion: 65 Resp: 142518

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.8



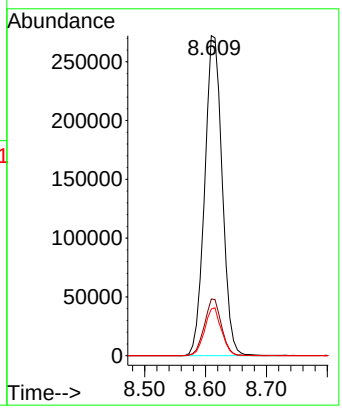


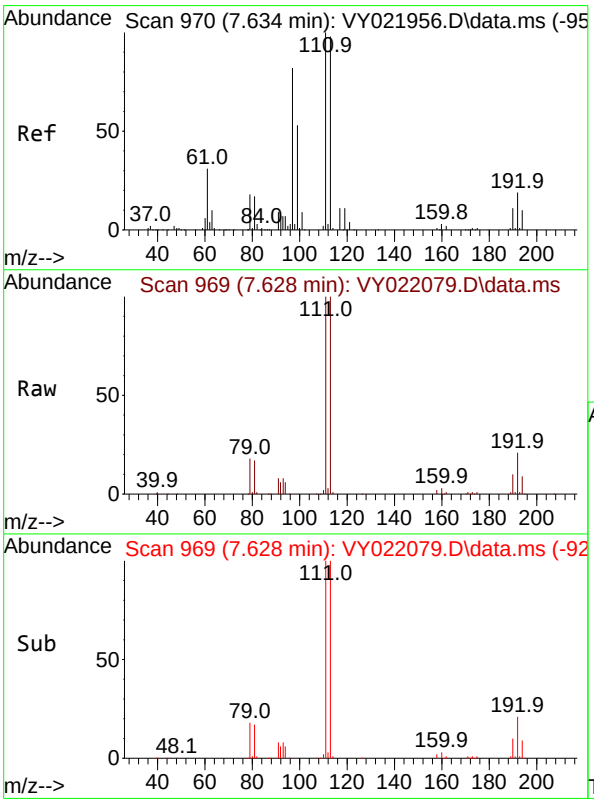
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:114 Resp: 542827

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.6	0.0	28.2

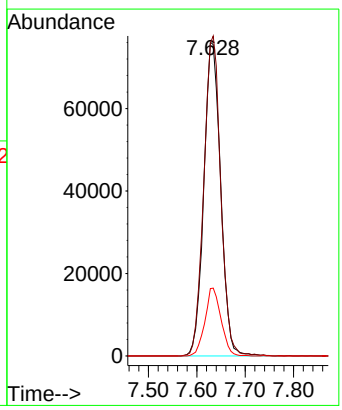


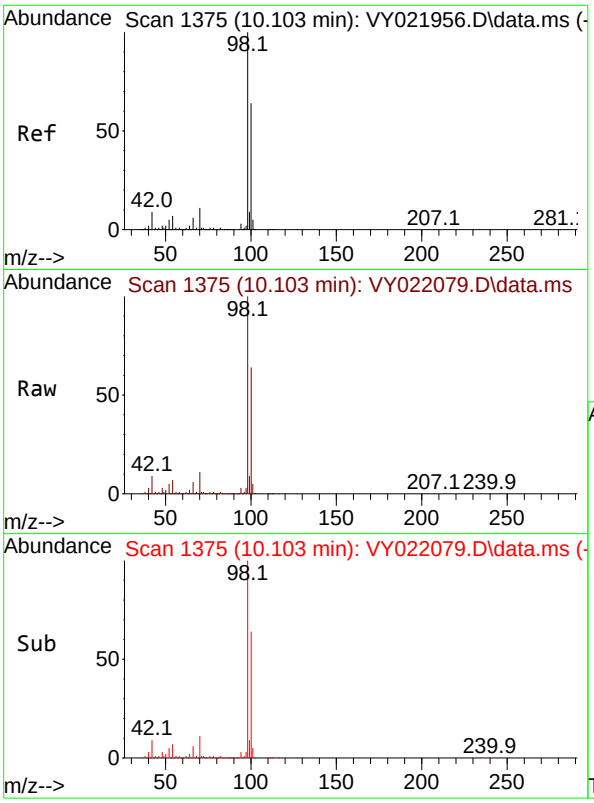


#35
Dibromofluoromethane
Concen: 51.250 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion:113 Resp: 183792

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	20.7	15.6	23.4



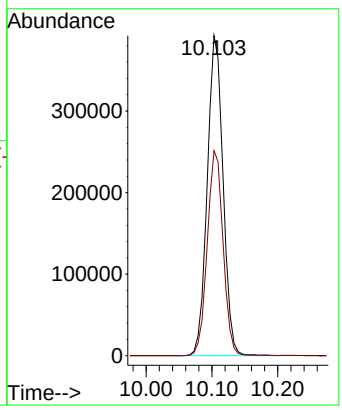


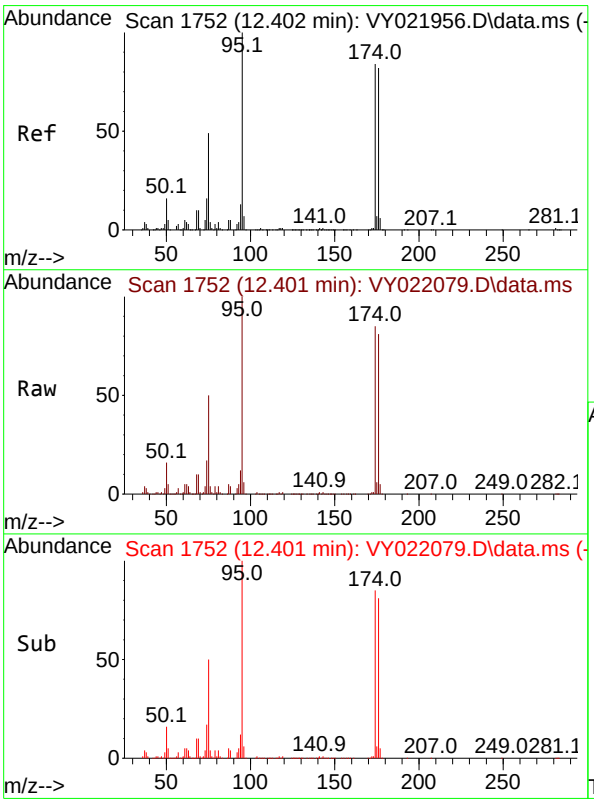
#50
Toluene-d8
Concen: 48.510 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion: 98 Resp: 655856

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

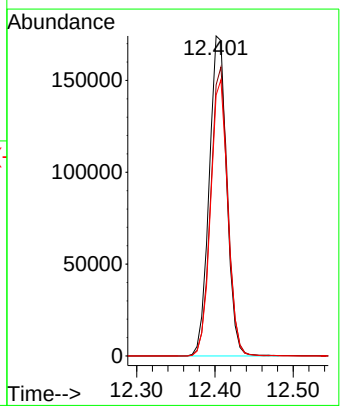


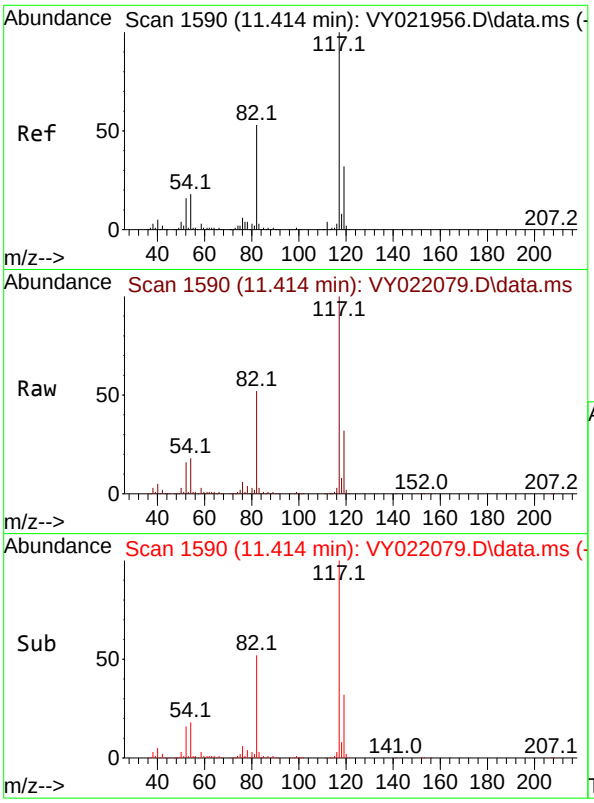


#62
4-Bromofluorobenzene
Concen: 59.440 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion: 95 Resp: 270533

Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	179.0
176	84.7	0.0	171.8



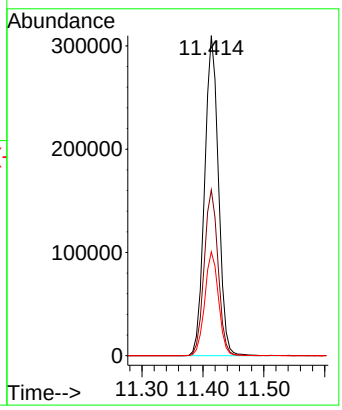


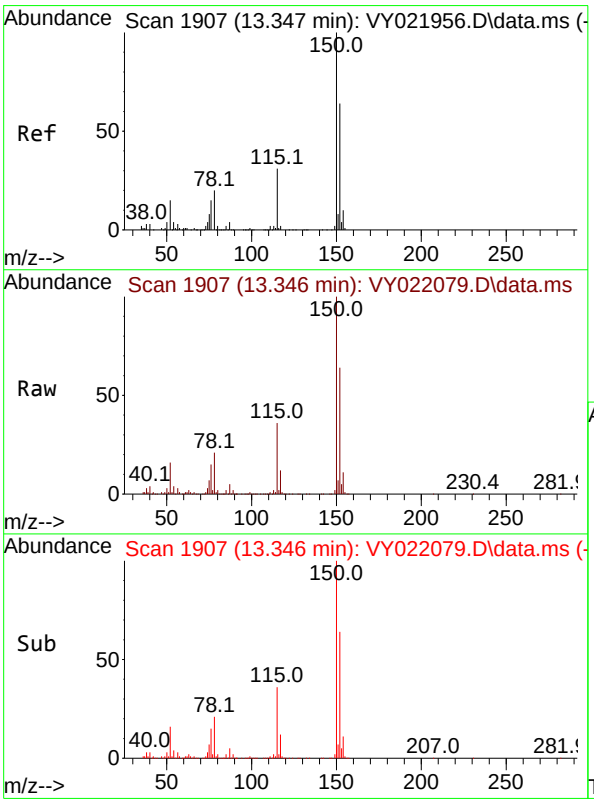
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:117 Resp: 488361

Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.1	63.1
119	32.5	25.7	38.5

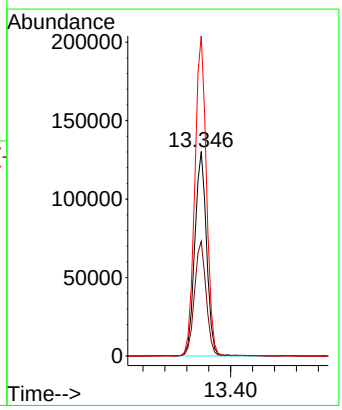




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion:152 Resp: 194579

Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.0	84.0
150	155.2	0.0	345.6



Raw Data: **VY022080.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.5
Sample Wt/Vol:	13.73 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
VY022080.D	1		04/30/25 13:58	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0015	U	0.00043	0.0015	0.0019	mg/Kg
74-87-3	Chloromethane	0.00094	U	0.00043	0.00094	0.0019	mg/Kg
75-01-4	Vinyl Chloride	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
74-83-9	Bromomethane	0.0015	U	0.00040	0.0015	0.0019	mg/Kg
75-00-3	Chloroethane	0.00094	U	0.00048	0.00094	0.0019	mg/Kg
109-99-9	Tetrahydrofuran	0.0047	U	0.0018	0.0047	0.0094	mg/Kg
75-69-4	Trichlorofluoromethane	0.0015	U	0.00046	0.0015	0.0019	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00094	U	0.00040	0.00094	0.0019	mg/Kg
75-35-4	1,1-Dichloroethene	0.00094	U	0.00038	0.00094	0.0019	mg/Kg
107-13-1	Acrylonitrile	0.0047	U	0.0019	0.0047	0.0094	mg/Kg
67-64-1	Acetone	0.0075	U	0.0018	0.0075	0.0094	mg/Kg
75-15-0	Carbon Disulfide	0.0015	U	0.00040	0.0015	0.0019	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00094	U	0.00028	0.00094	0.0019	mg/Kg
75-09-2	Methylene Chloride	0.0030	U	0.0013	0.0030	0.0038	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00094	U	0.00032	0.00094	0.0019	mg/Kg
75-34-3	1,1-Dichloroethane	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
78-93-3	2-Butanone	0.0075	U	0.0025	0.0075	0.0094	mg/Kg
56-23-5	Carbon Tetrachloride	0.00094	U	0.00037	0.00094	0.0019	mg/Kg
594-20-7	2,2-Dichloropropane	0.0015	U	0.00048	0.0015	0.0019	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00094	U	0.00028	0.00094	0.0019	mg/Kg
67-66-3	Chloroform	0.0015	U	0.00032	0.0015	0.0019	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00094	U	0.00035	0.00094	0.0019	mg/Kg
563-58-6	1,1-Dichloropropene	0.00094	U	0.00033	0.00094	0.0019	mg/Kg
71-43-2	Benzene	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
107-06-2	1,2-Dichloroethane	0.00094	U	0.00030	0.00094	0.0019	mg/Kg
79-01-6	Trichloroethene	0.00094	U	0.00031	0.00094	0.0019	mg/Kg
78-87-5	1,2-Dichloropropane	0.00094	U	0.00034	0.00094	0.0019	mg/Kg
74-95-3	Dibromomethane	0.00094	U	0.00034	0.00094	0.0019	mg/Kg
75-27-4	Bromodichloromethane	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0047	U	0.0014	0.0047	0.0094	mg/Kg

Raw Data: **VY022080.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.5
Sample Wt/Vol:	13.73 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
VY022080.D	1		04/30/25 13:58	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00094	U	0.00023	0.00094	0.0019	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00094	U	0.00035	0.00094	0.0019	mg/Kg
142-28-9	1,3-Dichloropropane	0.00094	U	0.00026	0.00094	0.0019	mg/Kg
591-78-6	2-Hexanone	0.0047	U	0.0014	0.0047	0.0094	mg/Kg
124-48-1	Dibromochloromethane	0.00094	U	0.00033	0.00094	0.0019	mg/Kg
106-93-4	1,2-Dibromoethane	0.00094	U	0.00033	0.00094	0.0019	mg/Kg
127-18-4	Tetrachloroethene	0.00094	U	0.00040	0.00094	0.0019	mg/Kg
108-90-7	Chlorobenzene	0.00094	U	0.00034	0.00094	0.0019	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
100-41-4	Ethyl Benzene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
179601-23-1	m/p-Xylenes	0.0019	U	0.00047	0.0019	0.0038	mg/Kg
1330-20-7	Total Xylenes	0.0028	U	0.00078	0.0028	0.0057	mg/Kg
95-47-6	o-Xylene	0.00094	U	0.00031	0.00094	0.0019	mg/Kg
100-42-5	Styrene	0.00094	U	0.00027	0.00094	0.0019	mg/Kg
75-25-2	Bromoform	0.00094	U	0.00032	0.00094	0.0019	mg/Kg
98-82-8	Isopropylbenzene	0.00094	U	0.00029	0.00094	0.0019	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00094	U	0.00046	0.00094	0.0019	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0015	U	0.00047	0.0015	0.0019	mg/Kg
108-86-1	Bromobenzene	0.00094	U	0.00045	0.00094	0.0019	mg/Kg
103-65-1	n-propylbenzene	0.00094	U	0.00028	0.00094	0.0019	mg/Kg
95-49-8	2-Chlorotoluene	0.00094	U	0.00026	0.00094	0.0019	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.00094	U	0.00031	0.00094	0.0019	mg/Kg
106-43-4	4-Chlorotoluene	0.00094	U	0.00046	0.00094	0.0019	mg/Kg
98-06-6	tert-Butylbenzene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.00094	U	0.00024	0.00094	0.0019	mg/Kg
135-98-8	sec-Butylbenzene	0.00094	U	0.00025	0.00094	0.0019	mg/Kg
99-87-6	p-Isopropyltoluene	0.00094	U	0.00023	0.00094	0.0019	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00094	U	0.00065	0.00094	0.0019	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00094	U	0.00059	0.00094	0.0019	mg/Kg

Raw Data: **VY022080.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.5
Sample Wt/Vol:	13.73 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
VY022080.D	1		04/30/25 13:58	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.00094	U	0.00055	0.00094	0.0019	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00094	U	0.00055	0.00094	0.0019	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0015	U	0.00069	0.0015	0.0019	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0015	U	0.0011	0.0015	0.0019	mg/Kg
87-68-3	Hexachlorobutadiene	0.00094	U	0.00072	0.00094	0.0019	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0015	U	0.0012	0.0015	0.0019	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.00094	U	0.00040	0.00094	0.0019	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.6		71 - 136		103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	48.4		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.2		79 - 119		116%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	297000	7.707				
540-36-3	1,4-Difluorobenzene	551000	8.609				
3114-55-4	Chlorobenzene-d5	496000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	201000	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\VY043025\
Data File : VY022080.D
Acq On : 30 Apr 2025 13:58
Operator : SY/MD
Sample : Q1883-07
Misc : 13.73g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Quant Time: May 01 01:35:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

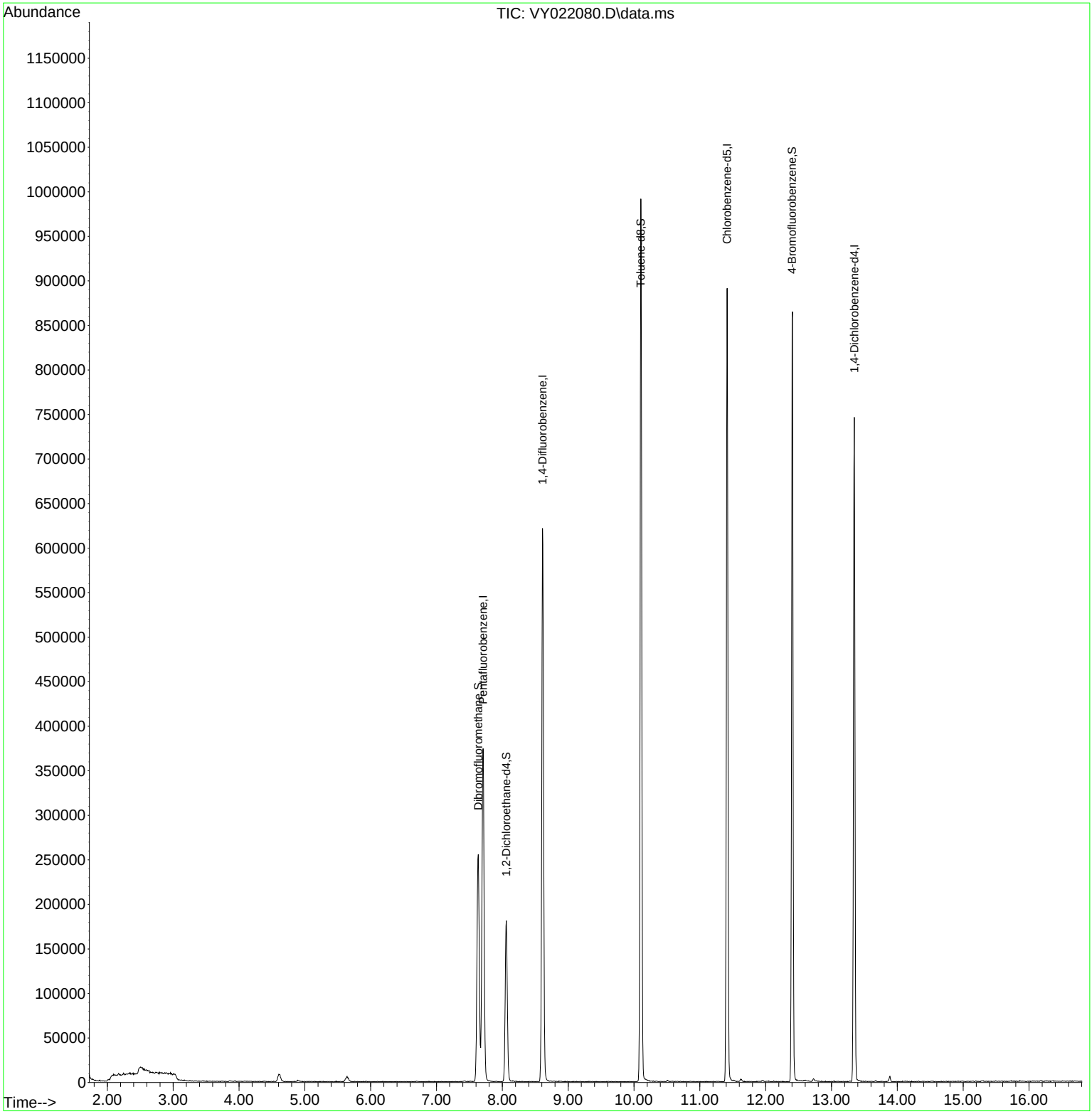
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	297053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	550509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	200894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141671	51.633	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.260%			
35) Dibromofluoromethane	7.634	113	187249	51.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.980%			
50) Toluene-d8	10.103	98	663622	48.400	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.800%			
62) 4-Bromofluorobenzene	12.401	95	268406	58.150	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 116.300%			
Target Compounds						Qvalue

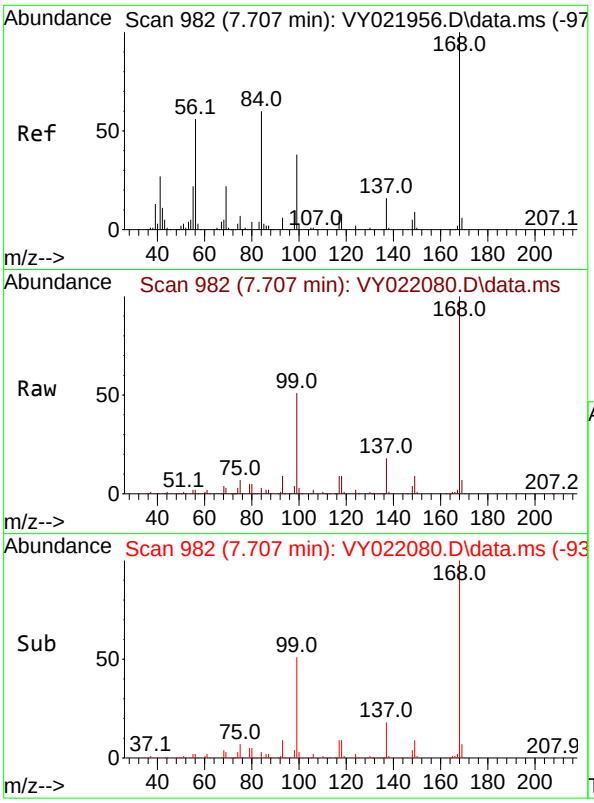
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022080.D
Acq On : 30 Apr 2025 13:58
Operator : SY/MD
Sample : Q1883-07
Misc : 13.73g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Quant Time: May 01 01:35:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



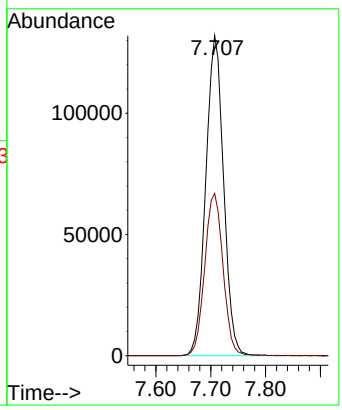


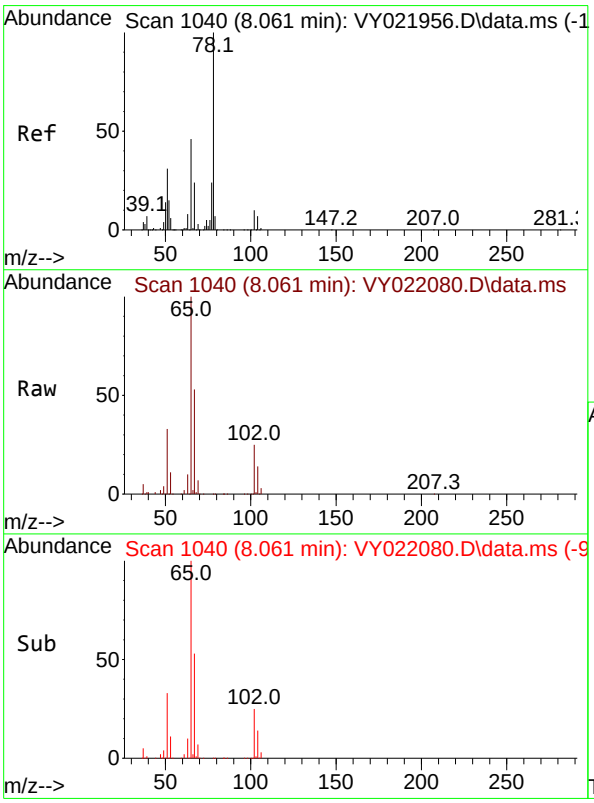
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:168 Resp: 297053

Ion	Ratio	Lower	Upper
168	100		
99	50.6	43.1	64.7

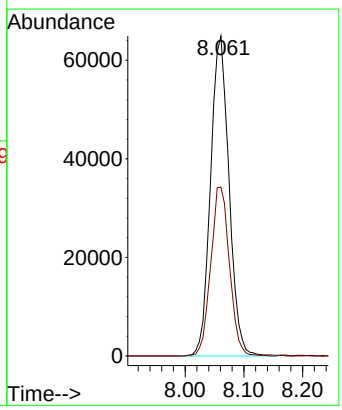


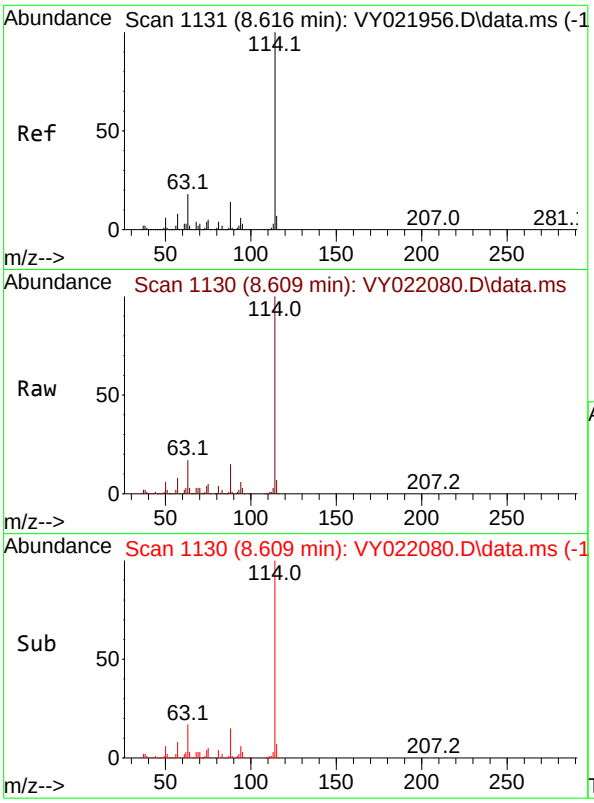


#33
1,2-Dichloroethane-d4
Concen: 51.633 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 65 Resp: 141671

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8



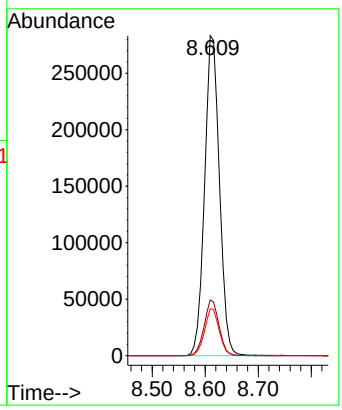


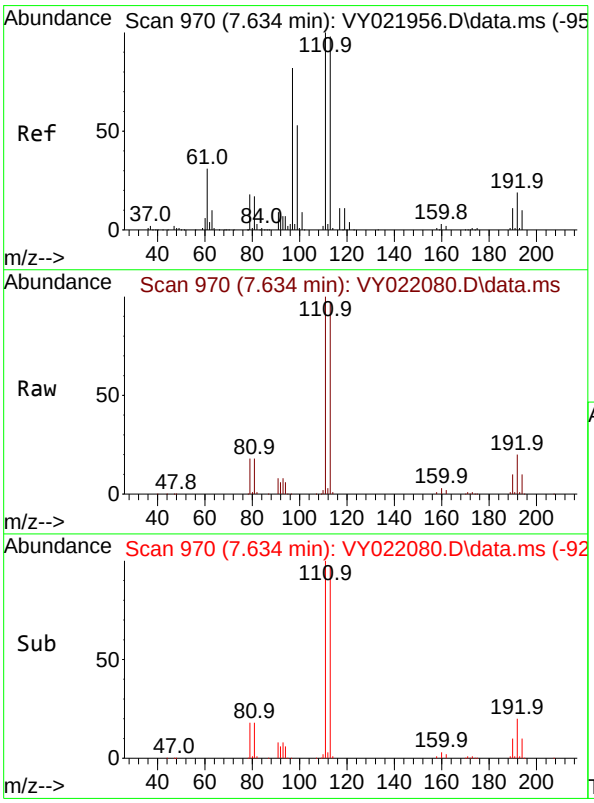
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:114 Resp: 550509

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.4
88	14.7	0.0	28.2

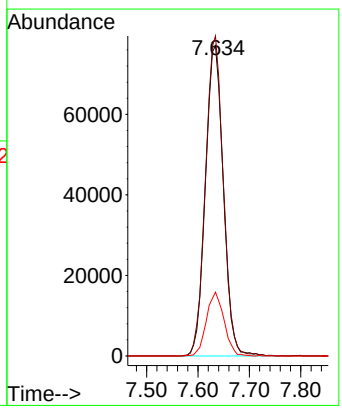


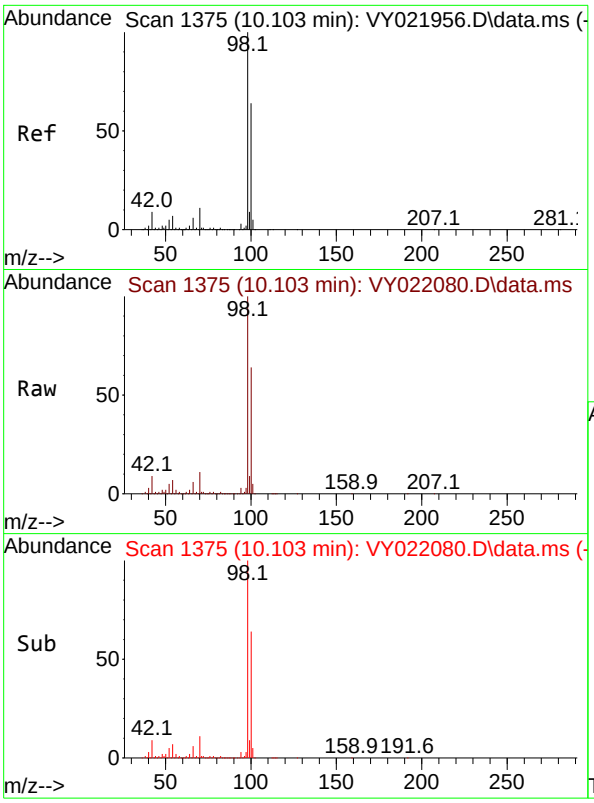


#35
Dibromofluoromethane
Concen: 51.485 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion:113 Resp: 187249

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	20.2	15.6	23.4



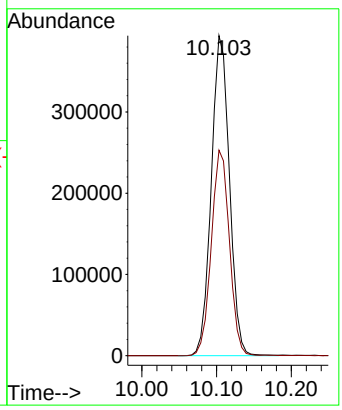


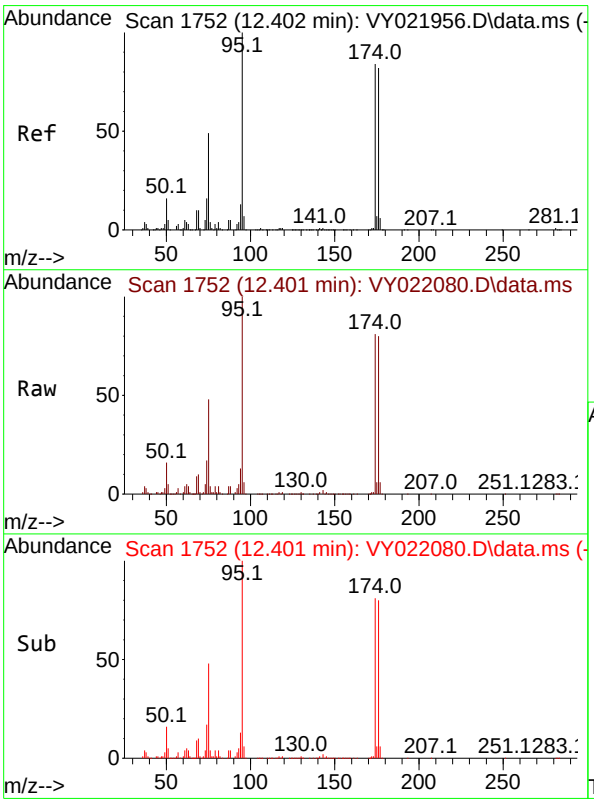
#50
Toluene-d8
Concen: 48.400 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion: 98 Resp: 663622

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

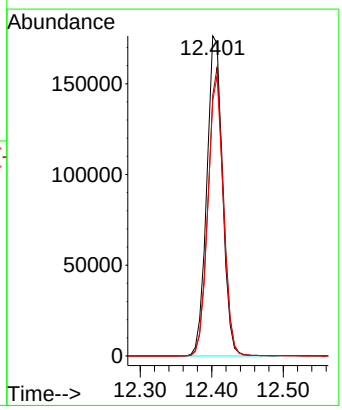


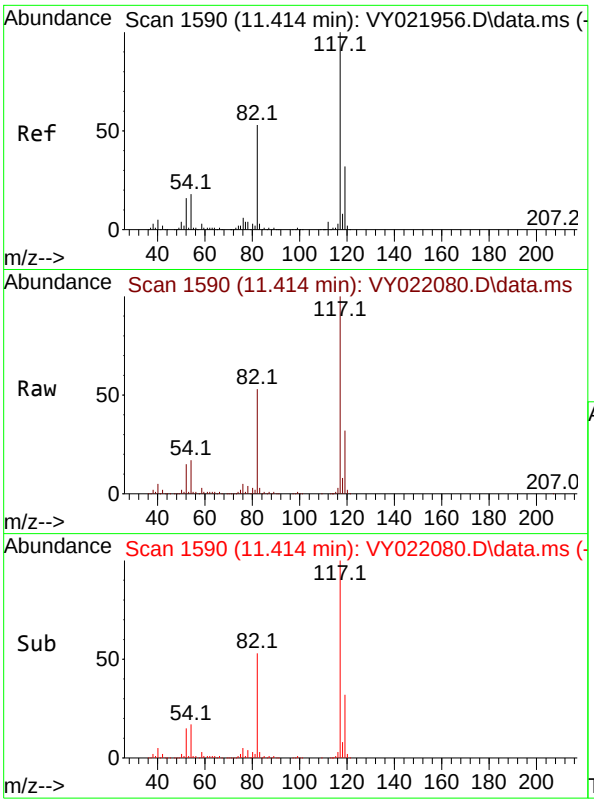


#62
4-Bromofluorobenzene
Concen: 58.150 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 95 Resp: 268406

Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	179.0
176	86.1	0.0	171.8



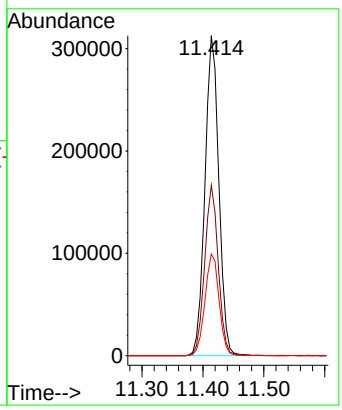


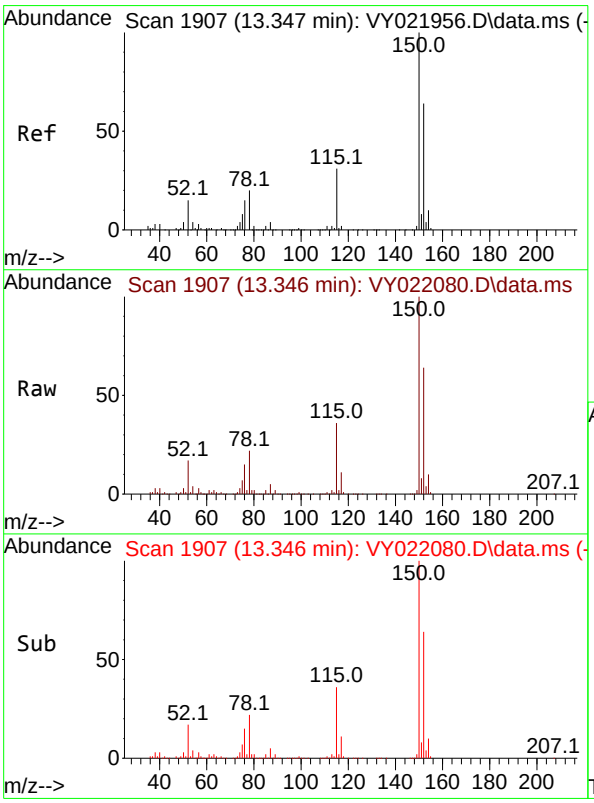
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:117 Resp: 495604

Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.1	63.1
119	31.8	25.7	38.5

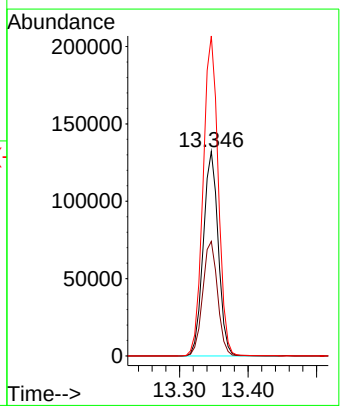




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion:152 Resp: 200894

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	158.2	0.0	345.6



Raw Data: **VY022081.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	11.18 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
VY022081.D	1		04/30/25 14:21	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0018	U	0.00053	0.0018	0.0023	mg/Kg
74-87-3	Chloromethane	0.0012	U	0.00053	0.0012	0.0023	mg/Kg
75-01-4	Vinyl Chloride	0.0012	U	0.00036	0.0012	0.0023	mg/Kg
74-83-9	Bromomethane	0.0018	U	0.00049	0.0018	0.0023	mg/Kg
75-00-3	Chloroethane	0.0012	U	0.00058	0.0012	0.0023	mg/Kg
109-99-9	Tetrahydrofuran	0.0058	U	0.0022	0.0058	0.012	mg/Kg
75-69-4	Trichlorofluoromethane	0.0018	U	0.00056	0.0018	0.0023	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0012	U	0.00049	0.0012	0.0023	mg/Kg
75-35-4	1,1-Dichloroethene	0.0012	U	0.00046	0.0012	0.0023	mg/Kg
107-13-1	Acrylonitrile	0.0058	U	0.0023	0.0058	0.012	mg/Kg
67-64-1	Acetone	0.021		0.0022	0.0092	0.012	mg/Kg
75-15-0	Carbon Disulfide	0.0018	U	0.00049	0.0018	0.0023	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0012	U	0.00034	0.0012	0.0023	mg/Kg
75-09-2	Methylene Chloride	0.0037	U	0.0016	0.0037	0.0046	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0012	U	0.00040	0.0012	0.0023	mg/Kg
75-34-3	1,1-Dichloroethane	0.0012	U	0.00037	0.0012	0.0023	mg/Kg
78-93-3	2-Butanone	0.0092	U	0.0030	0.0092	0.012	mg/Kg
56-23-5	Carbon Tetrachloride	0.0012	U	0.00045	0.0012	0.0023	mg/Kg
594-20-7	2,2-Dichloropropane	0.0018	U	0.00059	0.0018	0.0023	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0012	U	0.00035	0.0012	0.0023	mg/Kg
67-66-3	Chloroform	0.0018	U	0.00039	0.0018	0.0023	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0012	U	0.00043	0.0012	0.0023	mg/Kg
563-58-6	1,1-Dichloropropene	0.0012	U	0.00040	0.0012	0.0023	mg/Kg
71-43-2	Benzene	0.0012	U	0.00036	0.0012	0.0023	mg/Kg
107-06-2	1,2-Dichloroethane	0.0012	U	0.00036	0.0012	0.0023	mg/Kg
79-01-6	Trichloroethene	0.0012	U	0.00037	0.0012	0.0023	mg/Kg
78-87-5	1,2-Dichloropropane	0.0012	U	0.00042	0.0012	0.0023	mg/Kg
74-95-3	Dibromomethane	0.0012	U	0.00041	0.0012	0.0023	mg/Kg
75-27-4	Bromodichloromethane	0.0012	U	0.00036	0.0012	0.0023	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0058	U	0.0017	0.0058	0.012	mg/Kg

Raw Data: **VY022081.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	11.18 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
VY022081.D	1		04/30/25 14:21	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0012	U	0.00036	0.0012	0.0023	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0012	U	0.00030	0.0012	0.0023	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0012	U	0.00029	0.0012	0.0023	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0012	U	0.00042	0.0012	0.0023	mg/Kg
142-28-9	1,3-Dichloropropane	0.0012	U	0.00031	0.0012	0.0023	mg/Kg
591-78-6	2-Hexanone	0.0058	U	0.0017	0.0058	0.012	mg/Kg
124-48-1	Dibromochloromethane	0.0012	U	0.00040	0.0012	0.0023	mg/Kg
106-93-4	1,2-Dibromoethane	0.0012	U	0.00041	0.0012	0.0023	mg/Kg
127-18-4	Tetrachloroethene	0.0012	U	0.00048	0.0012	0.0023	mg/Kg
108-90-7	Chlorobenzene	0.0012	U	0.00042	0.0012	0.0023	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0012	U	0.00036	0.0012	0.0023	mg/Kg
100-41-4	Ethyl Benzene	0.0012	U	0.00031	0.0012	0.0023	mg/Kg
179601-23-1	m/p-Xylenes	0.0023	U	0.00057	0.0023	0.0046	mg/Kg
1330-20-7	Total Xylenes	0.0035	U	0.00095	0.0035	0.0069	mg/Kg
95-47-6	o-Xylene	0.0012	U	0.00038	0.0012	0.0023	mg/Kg
100-42-5	Styrene	0.0012	U	0.00033	0.0012	0.0023	mg/Kg
75-25-2	Bromoform	0.0012	U	0.00040	0.0012	0.0023	mg/Kg
98-82-8	Isopropylbenzene	0.0012	U	0.00036	0.0012	0.0023	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0012	U	0.00056	0.0012	0.0023	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0018	U	0.00057	0.0018	0.0023	mg/Kg
108-86-1	Bromobenzene	0.0012	U	0.00055	0.0012	0.0023	mg/Kg
103-65-1	n-propylbenzene	0.0012	U	0.00034	0.0012	0.0023	mg/Kg
95-49-8	2-Chlorotoluene	0.0012	U	0.00031	0.0012	0.0023	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0012	U	0.00038	0.0012	0.0023	mg/Kg
106-43-4	4-Chlorotoluene	0.0012	U	0.00056	0.0012	0.0023	mg/Kg
98-06-6	tert-Butylbenzene	0.0012	U	0.00031	0.0012	0.0023	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0012	U	0.00030	0.0012	0.0023	mg/Kg
135-98-8	sec-Butylbenzene	0.0012	U	0.00030	0.0012	0.0023	mg/Kg
99-87-6	p-Isopropyltoluene	0.0012	U	0.00029	0.0012	0.0023	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0012	U	0.00079	0.0012	0.0023	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0012	U	0.00072	0.0012	0.0023	mg/Kg

Raw Data: **VY022081.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.9
Sample Wt/Vol:	11.18 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
VY022081.D	1		04/30/25 14:21	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0012	U	0.00067	0.0012	0.0023	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0012	U	0.00067	0.0012	0.0023	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0018	U	0.00085	0.0018	0.0023	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0018	U	0.0014	0.0018	0.0023	mg/Kg
87-68-3	Hexachlorobutadiene	0.0012	U	0.00088	0.0012	0.0023	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0018	U	0.0015	0.0018	0.0023	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0012	U	0.00049	0.0012	0.0023	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	296000	7.707				
540-36-3	1,4-Difluorobenzene	554000	8.616				
3114-55-4	Chlorobenzene-d5	498000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	189000	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: **VY022081.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022081.D
Acq On : 30 Apr 2025 14:21
Operator : SY/MD
Sample : Q1883-09
Misc : 11.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

Quant Time: May 01 01:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

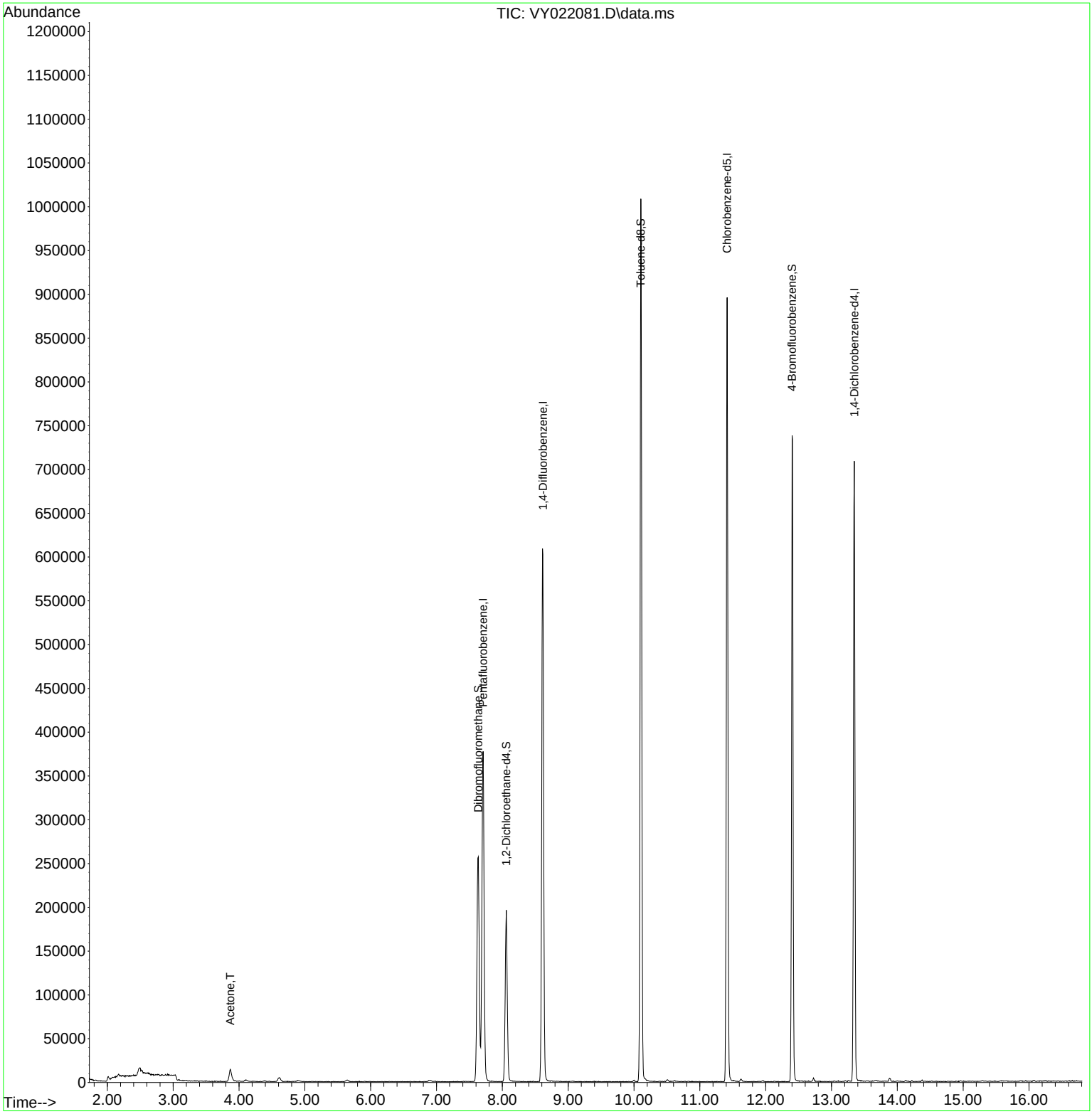
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	295996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	497554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148075	54.159	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.320%			
35) Dibromofluoromethane	7.634	113	189534	51.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.580%			
50) Toluene-d8	10.103	98	671949	48.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.400%			
62) 4-Bromofluorobenzene	12.402	95	227756	49.038	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.080%			
Target Compounds						Qvalue
16) Acetone	3.866	43	22788	46.271	ug/l #	87

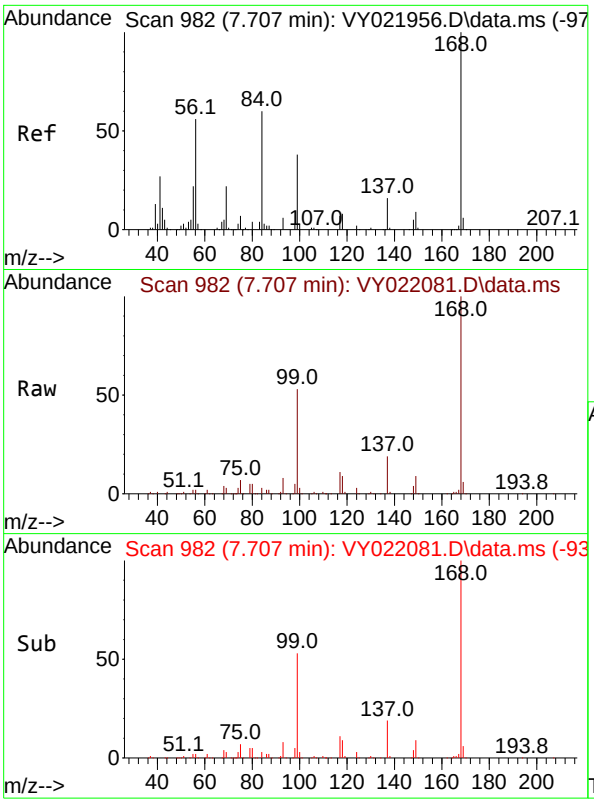
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022081.D
Acq On : 30 Apr 2025 14:21
Operator : SY/MD
Sample : Q1883-09
Misc : 11.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

Quant Time: May 01 01:36:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



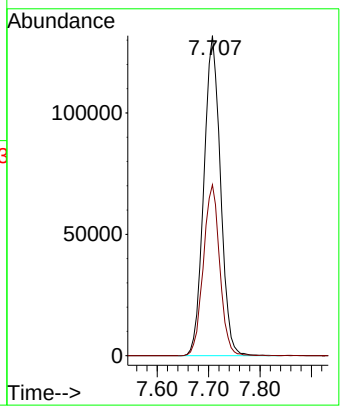


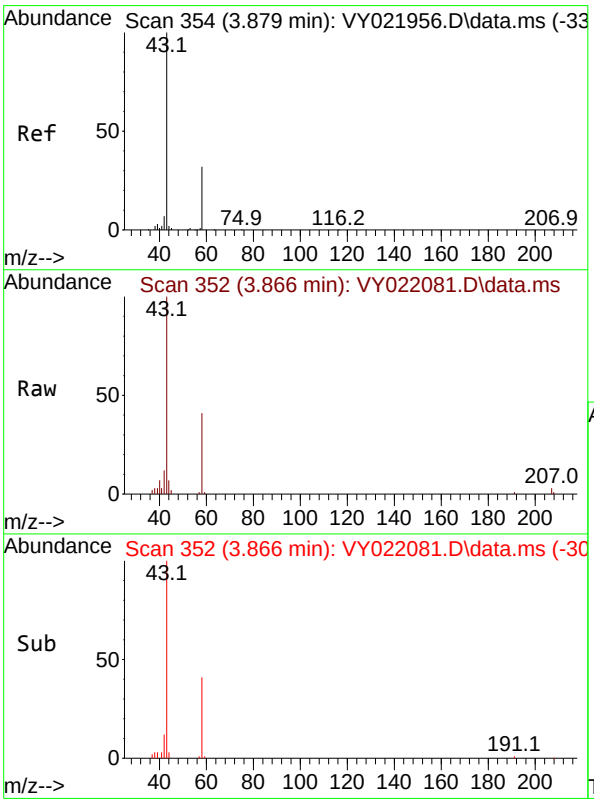
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion:168 Resp: 295996

Ion	Ratio	Lower	Upper
168	100		
99	53.4	43.1	64.7

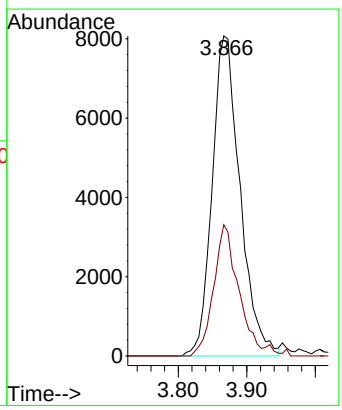


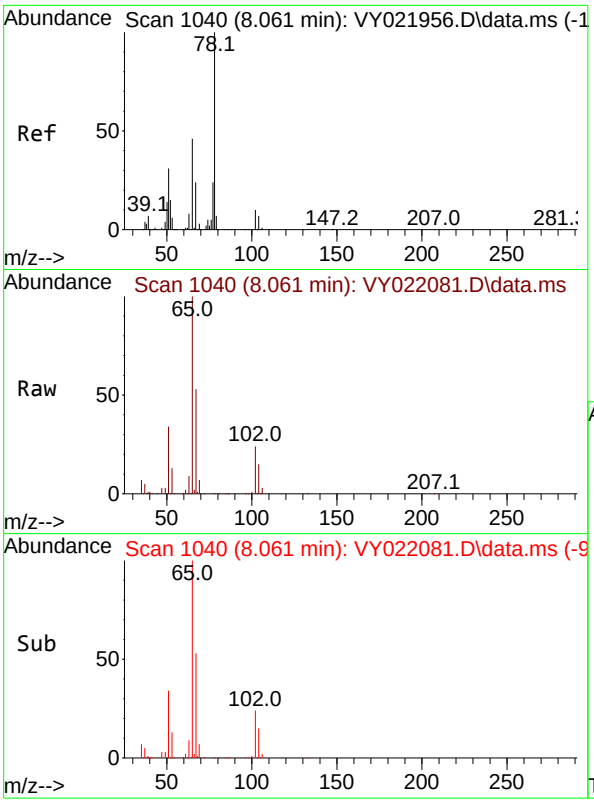


#16
Acetone
Concen: 46.271 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 43 Resp: 22788

Ion	Ratio	Lower	Upper
43	100		
58	41.0	27.0	40.4#



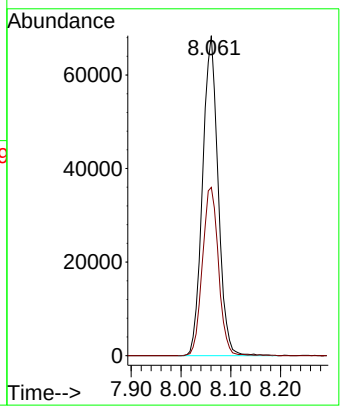


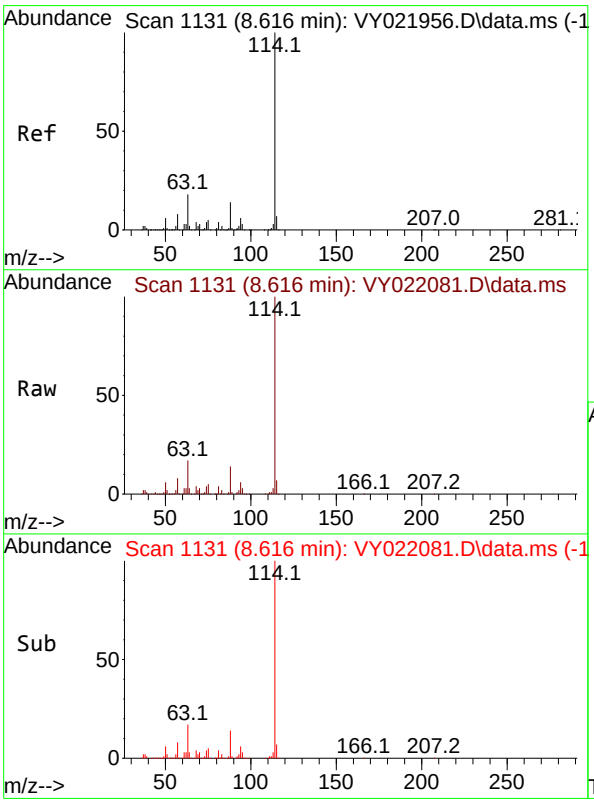
#33
1,2-Dichloroethane-d4
Concen: 54.159 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion: 65 Resp: 148075

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.8

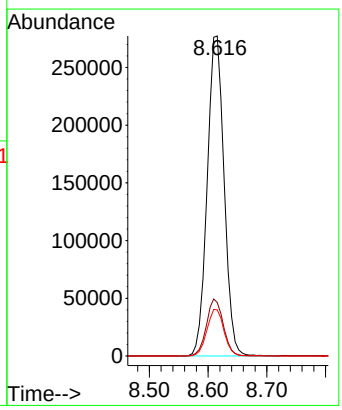


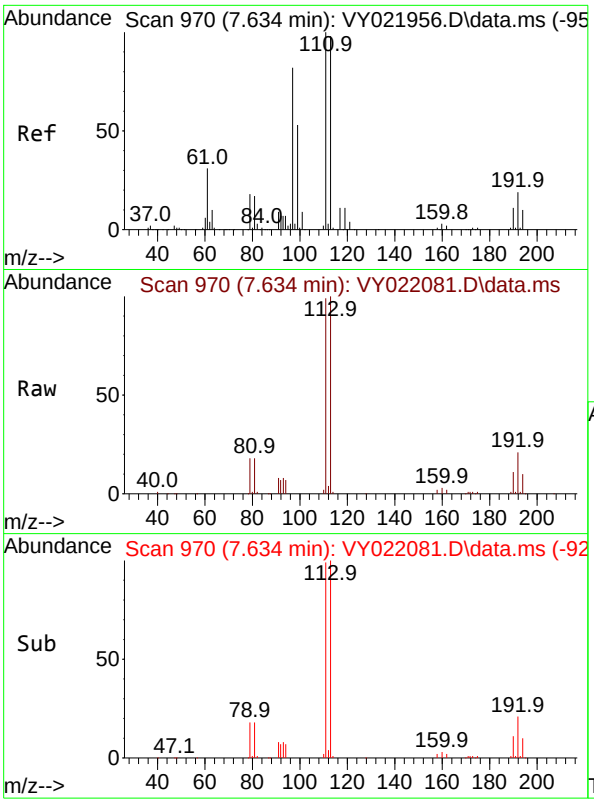


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion:114 Resp: 553937

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	35.4
88	14.4	0.0	28.2



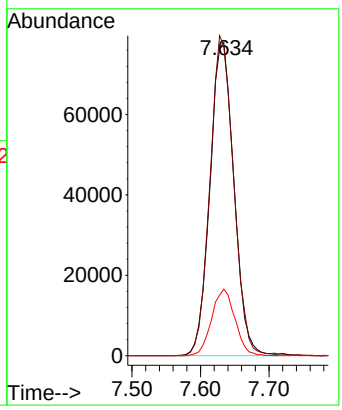


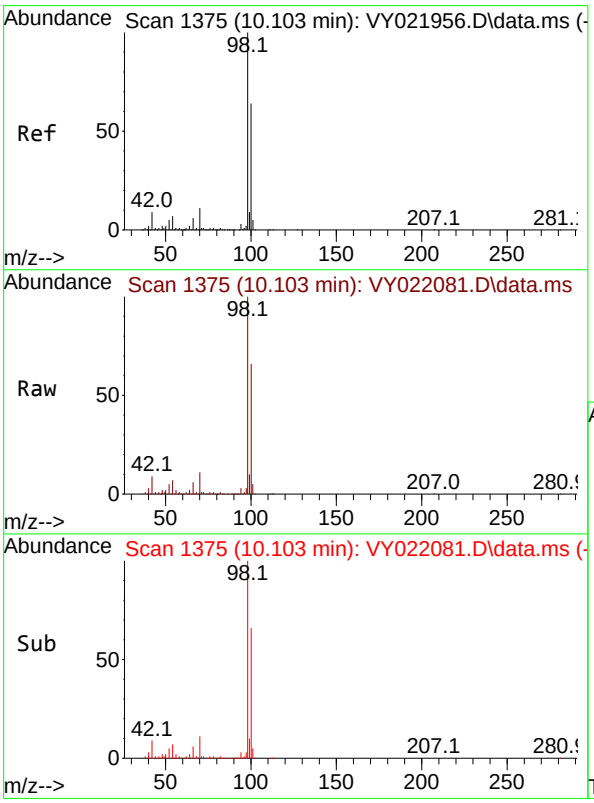
#35
Dibromofluoromethane
Concen: 51.791 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion:113 Resp: 189534

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.8
192	20.6	15.6	23.4

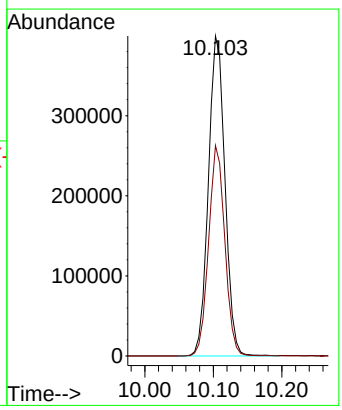


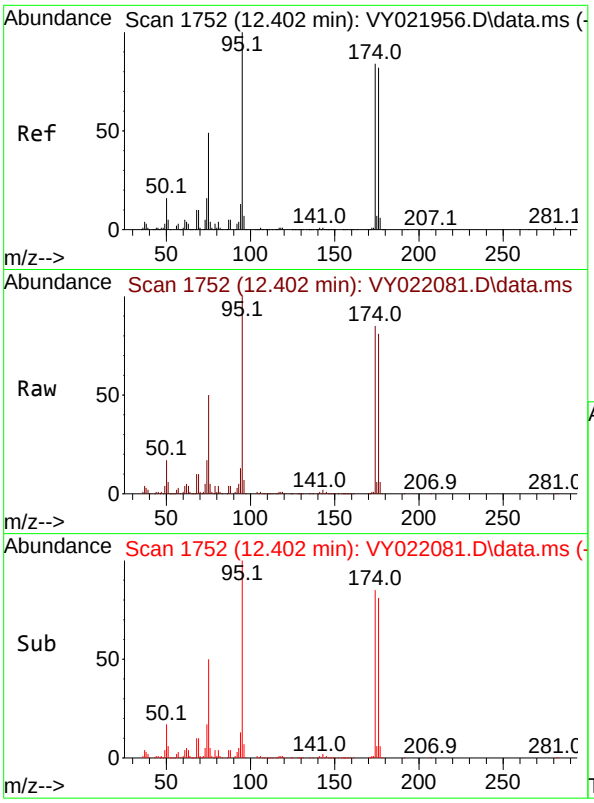


#50
Toluene-d8
Concen: 48.704 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion: 98 Resp: 671949

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4



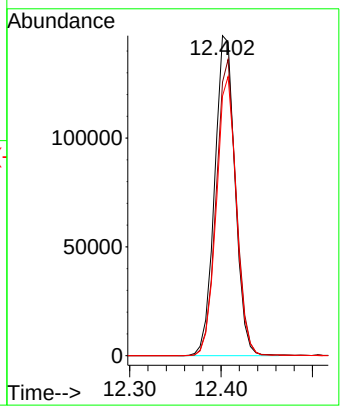


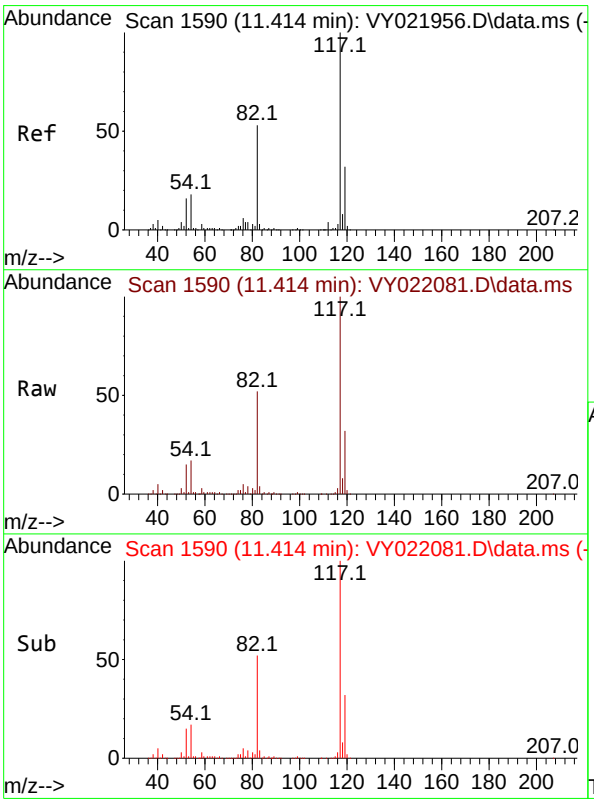
#62
4-Bromofluorobenzene
Concen: 49.038 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion: 95 Resp: 227756

Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	179.0
176	85.8	0.0	171.8

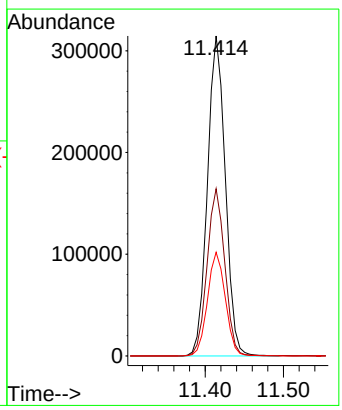


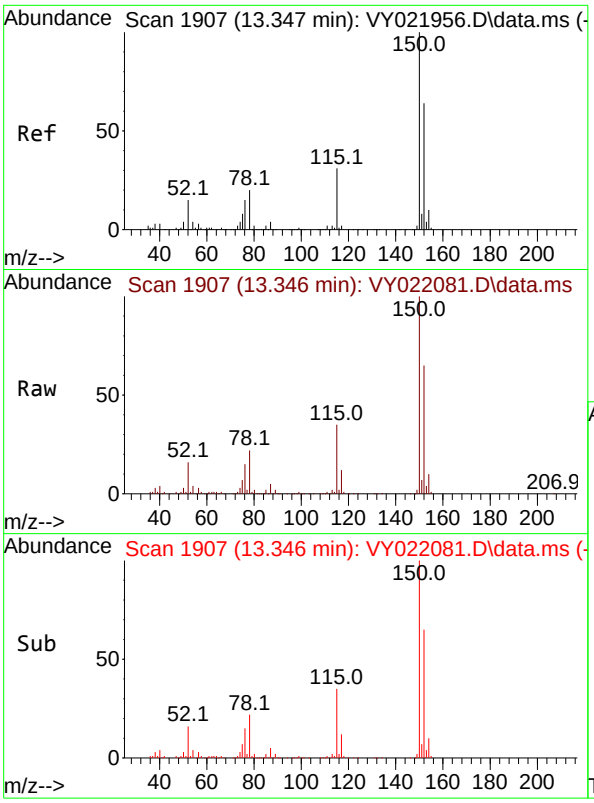


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Tgt Ion:117 Resp: 497554

Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.1	63.1
119	32.4	25.7	38.5



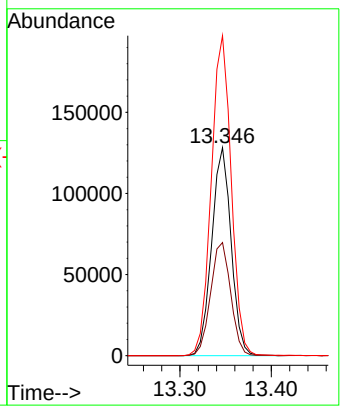


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022081.D
Acq: 30 Apr 2025 14:21

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion:152 Resp: 189417

Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.0	84.0
150	158.0	0.0	345.6



Raw Data: **VY022105.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.3
Sample Wt/Vol:	14.43 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
VY022105.D	1		05/01/25 14:15	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0014	U	0.00041	0.0014	0.0018	mg/Kg
74-87-3	Chloromethane	0.00089	U	0.00041	0.00089	0.0018	mg/Kg
75-01-4	Vinyl Chloride	0.00089	U	0.00028	0.00089	0.0018	mg/Kg
74-83-9	Bromomethane	0.0014	U	0.00038	0.0014	0.0018	mg/Kg
75-00-3	Chloroethane	0.00089	U	0.00045	0.00089	0.0018	mg/Kg
109-99-9	Tetrahydrofuran	0.0045	U	0.0017	0.0045	0.0089	mg/Kg
75-69-4	Trichlorofluoromethane	0.0014	U	0.00043	0.0014	0.0018	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00089	U	0.00038	0.00089	0.0018	mg/Kg
75-35-4	1,1-Dichloroethene	0.00089	U	0.00036	0.00089	0.0018	mg/Kg
107-13-1	Acrylonitrile	0.0045	U	0.0018	0.0045	0.0089	mg/Kg
67-64-1	Acetone	0.0071	U	0.0017	0.0071	0.0089	mg/Kg
75-15-0	Carbon Disulfide	0.0014	U	0.00038	0.0014	0.0018	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00089	U	0.00026	0.00089	0.0018	mg/Kg
75-09-2	Methylene Chloride	0.0028	U	0.0013	0.0028	0.0036	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
75-34-3	1,1-Dichloroethane	0.00089	U	0.00028	0.00089	0.0018	mg/Kg
78-93-3	2-Butanone	0.0071	U	0.0023	0.0071	0.0089	mg/Kg
56-23-5	Carbon Tetrachloride	0.00089	U	0.00035	0.00089	0.0018	mg/Kg
594-20-7	2,2-Dichloropropane	0.0014	U	0.00046	0.0014	0.0018	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00089	U	0.00027	0.00089	0.0018	mg/Kg
67-66-3	Chloroform	0.0014	U	0.00030	0.0014	0.0018	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00089	U	0.00033	0.00089	0.0018	mg/Kg
563-58-6	1,1-Dichloropropene	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
71-43-2	Benzene	0.00089	U	0.00028	0.00089	0.0018	mg/Kg
107-06-2	1,2-Dichloroethane	0.00089	U	0.00028	0.00089	0.0018	mg/Kg
79-01-6	Trichloroethene	0.00089	U	0.00029	0.00089	0.0018	mg/Kg
78-87-5	1,2-Dichloropropane	0.00089	U	0.00032	0.00089	0.0018	mg/Kg
74-95-3	Dibromomethane	0.00089	U	0.00032	0.00089	0.0018	mg/Kg
75-27-4	Bromodichloromethane	0.00089	U	0.00028	0.00089	0.0018	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0045	U	0.0013	0.0045	0.0089	mg/Kg

Raw Data: **VY022105.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.3
Sample Wt/Vol:	14.43 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
VY022105.D	1		05/01/25 14:15	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.00089	U	0.00028	0.00089	0.0018	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00089	U	0.00023	0.00089	0.0018	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00089	U	0.00022	0.00089	0.0018	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00089	U	0.00033	0.00089	0.0018	mg/Kg
142-28-9	1,3-Dichloropropane	0.00089	U	0.00024	0.00089	0.0018	mg/Kg
591-78-6	2-Hexanone	0.0045	U	0.0013	0.0045	0.0089	mg/Kg
124-48-1	Dibromochloromethane	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
106-93-4	1,2-Dibromoethane	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
127-18-4	Tetrachloroethene	0.00089	U	0.00037	0.00089	0.0018	mg/Kg
108-90-7	Chlorobenzene	0.00089	U	0.00032	0.00089	0.0018	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.00089	U	0.00027	0.00089	0.0018	mg/Kg
100-41-4	Ethyl Benzene	0.00089	U	0.00024	0.00089	0.0018	mg/Kg
179601-23-1	m/p-Xylenes	0.0018	U	0.00044	0.0018	0.0036	mg/Kg
1330-20-7	Total Xylenes	0.0027	U	0.00073	0.0027	0.0054	mg/Kg
95-47-6	o-Xylene	0.00089	U	0.00029	0.00089	0.0018	mg/Kg
100-42-5	Styrene	0.00089	U	0.00025	0.00089	0.0018	mg/Kg
75-25-2	Bromoform	0.00089	U	0.00031	0.00089	0.0018	mg/Kg
98-82-8	Isopropylbenzene	0.00089	U	0.00028	0.00089	0.0018	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00089	U	0.00043	0.00089	0.0018	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0014	U	0.00044	0.0014	0.0018	mg/Kg
108-86-1	Bromobenzene	0.00089	U	0.00043	0.00089	0.0018	mg/Kg
103-65-1	n-propylbenzene	0.00089	U	0.00026	0.00089	0.0018	mg/Kg
95-49-8	2-Chlorotoluene	0.00089	U	0.00024	0.00089	0.0018	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.00089	U	0.00029	0.00089	0.0018	mg/Kg
106-43-4	4-Chlorotoluene	0.00089	U	0.00043	0.00089	0.0018	mg/Kg
98-06-6	tert-Butylbenzene	0.00089	U	0.00024	0.00089	0.0018	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.00089	U	0.00023	0.00089	0.0018	mg/Kg
135-98-8	sec-Butylbenzene	0.00089	U	0.00024	0.00089	0.0018	mg/Kg
99-87-6	p-Isopropyltoluene	0.00089	U	0.00022	0.00089	0.0018	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00089	U	0.00061	0.00089	0.0018	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00089	U	0.00056	0.00089	0.0018	mg/Kg

Raw Data: **VY022105.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.3
Sample Wt/Vol:	14.43 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
VY022105.D	1		05/01/25 14:15	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.00089	U	0.00052	0.00089	0.0018	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00089	U	0.00052	0.00089	0.0018	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0014	U	0.00066	0.0014	0.0018	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0014	U	0.0011	0.0014	0.0018	mg/Kg
87-68-3	Hexachlorobutadiene	0.00089	U	0.00068	0.00089	0.0018	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0014	U	0.0011	0.0014	0.0018	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.00089	U	0.00038	0.00089	0.0018	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		71 - 136		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.2		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		79 - 119		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	310000	7.707				
540-36-3	1,4-Difluorobenzene	585000	8.616				
3114-55-4	Chlorobenzene-d5	519000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	196000	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\VY050125\
Data File : VY022105.D
Acq On : 01 May 2025 14:15
Operator : SY/MD
Sample : Q1883-11
Misc : 14.43g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

Quant Time: May 02 01:30:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	310481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	585270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	196391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153526	53.533	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.060%			
35) Dibromofluoromethane	7.634	113	196359	50.783	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.560%			
50) Toluene-d8	10.109	98	702240	48.174	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.340%			
62) 4-Bromofluorobenzene	12.408	95	269562	54.932	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.860%			

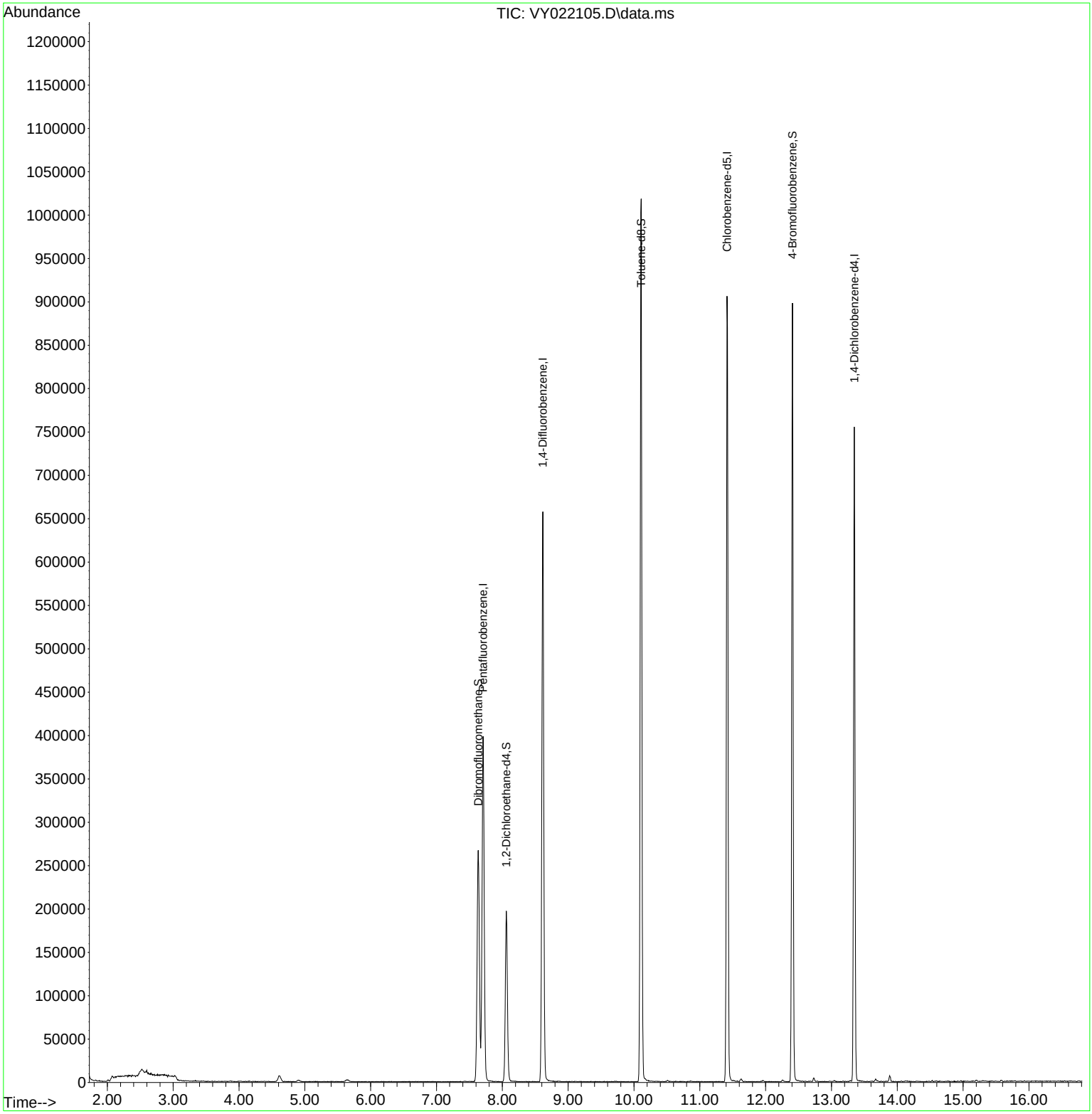
Target Compounds Qvalue

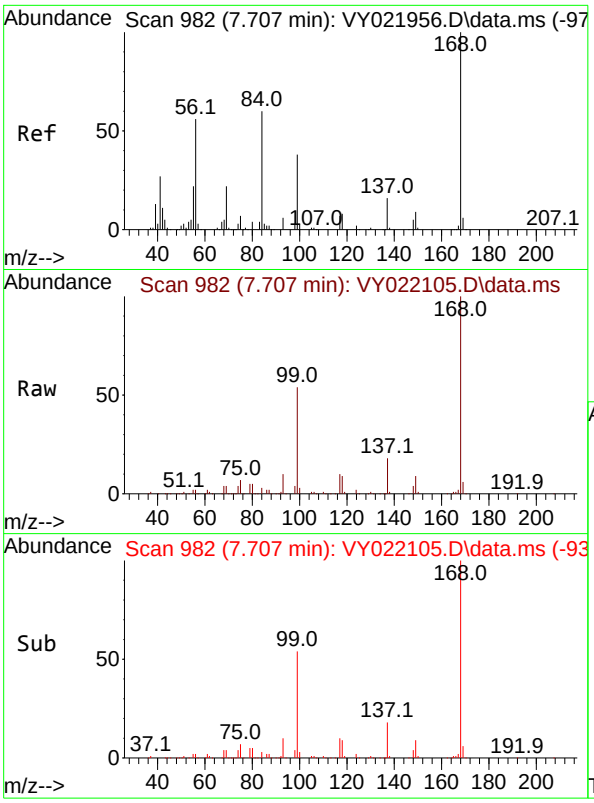
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022105.D
Acq On : 01 May 2025 14:15
Operator : SY/MD
Sample : Q1883-11
Misc : 14.43g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

Quant Time: May 02 01:30:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



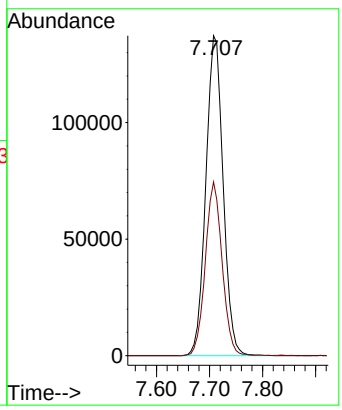


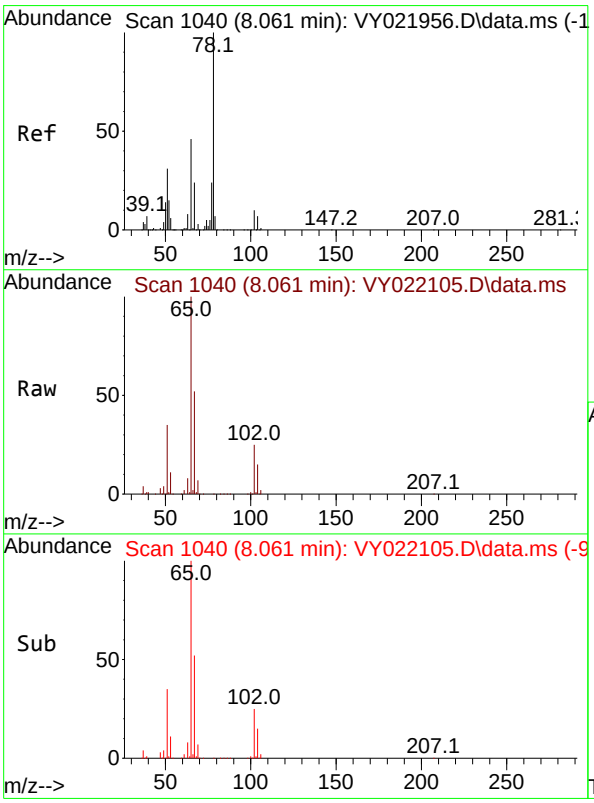
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion:168 Resp: 310481

Ion	Ratio	Lower	Upper
168	100		
99	54.3	43.1	64.7

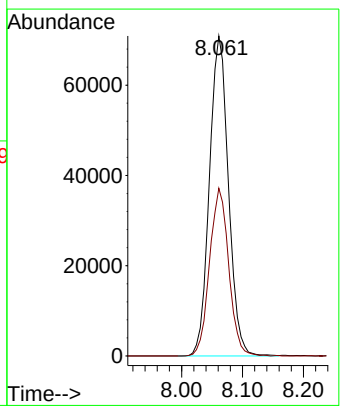


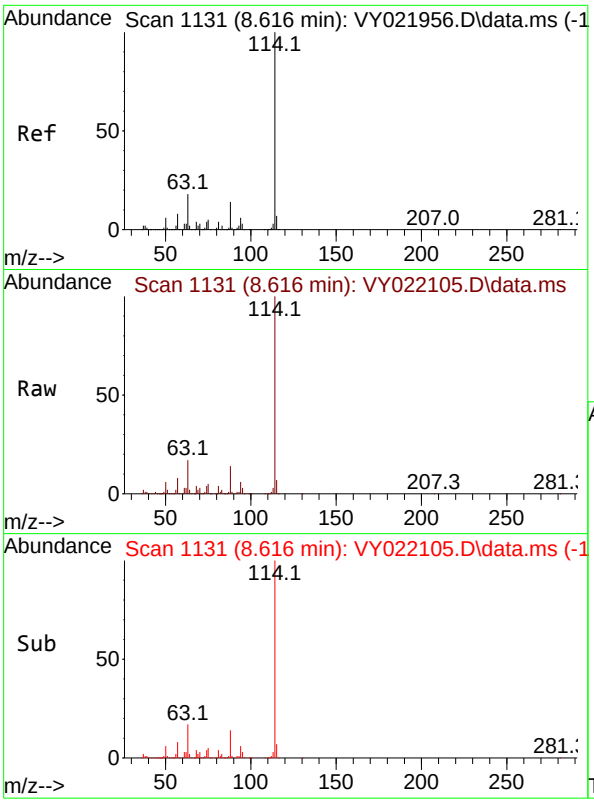


#33
1,2-Dichloroethane-d4
Concen: 53.533 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 65 Resp: 153526

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8



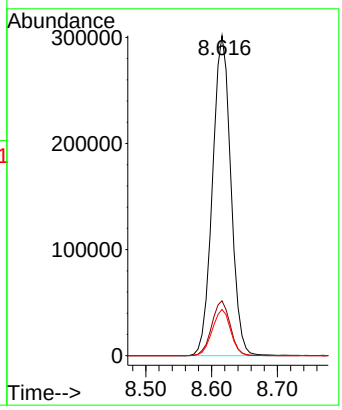


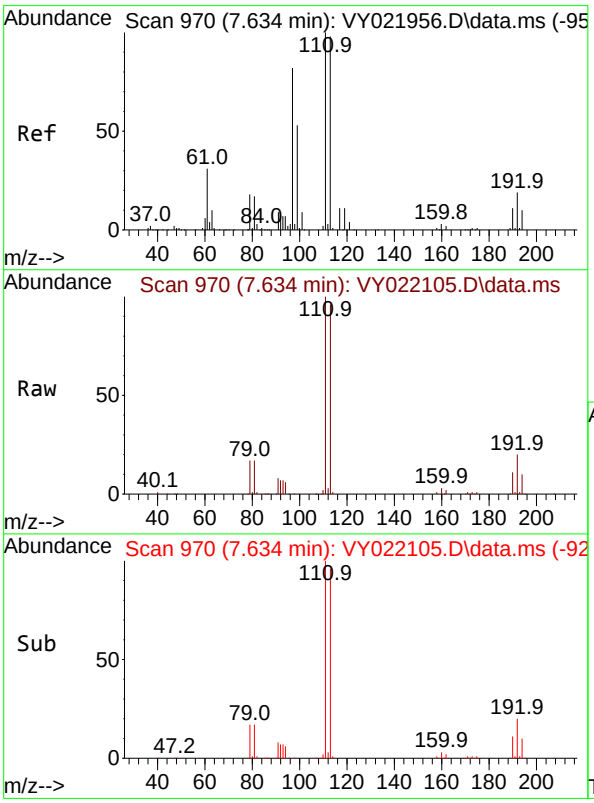
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion:114 Resp: 585270

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	35.4
88	14.4	0.0	28.2

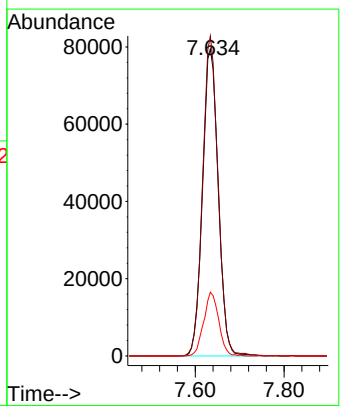


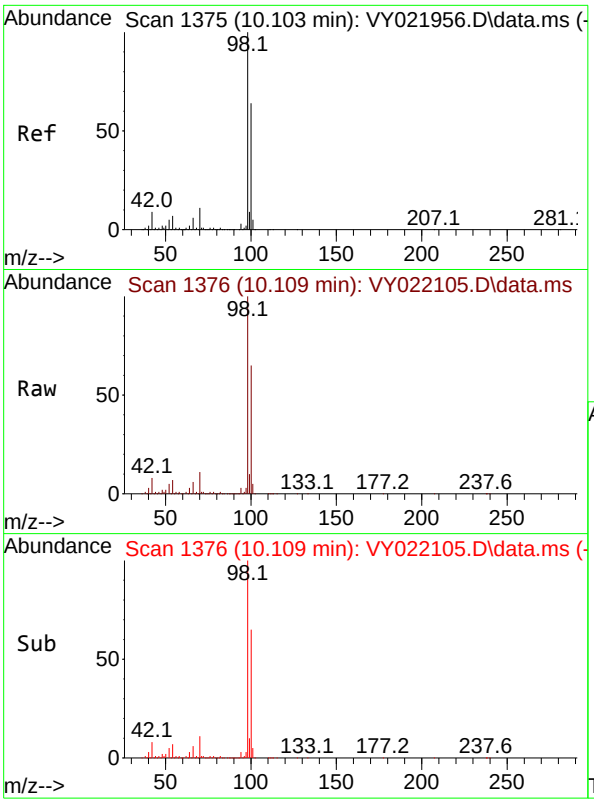


#35
Dibromofluoromethane
Concen: 50.783 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion:113 Resp: 196359

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	19.9	15.6	23.4



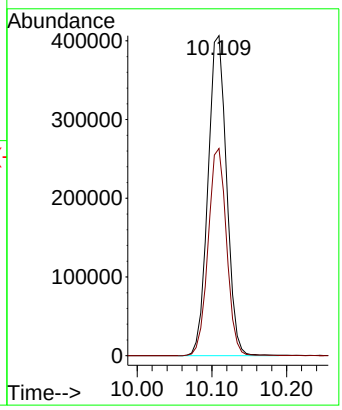


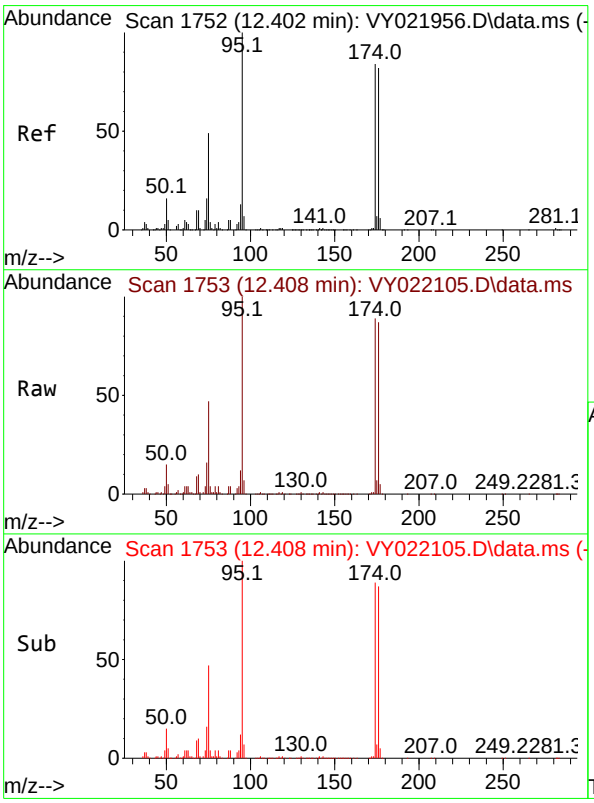
#50
Toluene-d8
Concen: 48.174 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion: 98 Resp: 702240

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4

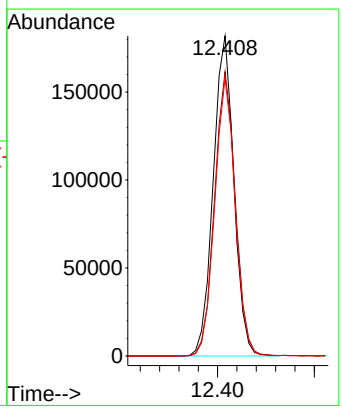


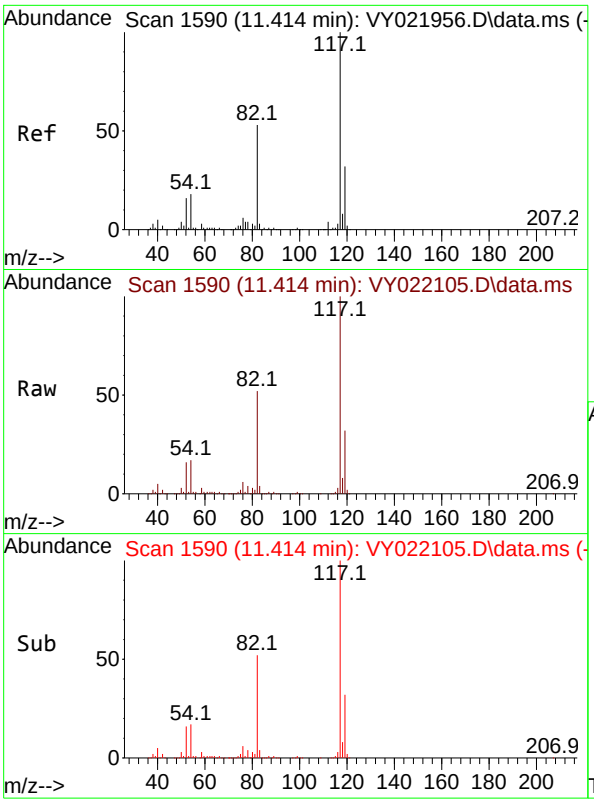


#62
4-Bromofluorobenzene
Concen: 54.932 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 95 Resp: 269562

Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	179.0
176	86.2	0.0	171.8



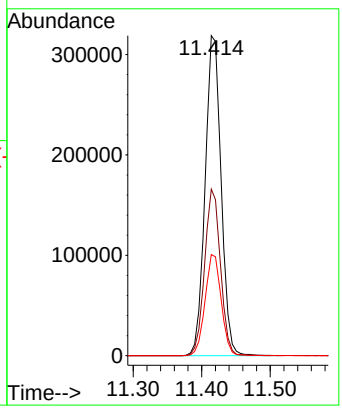


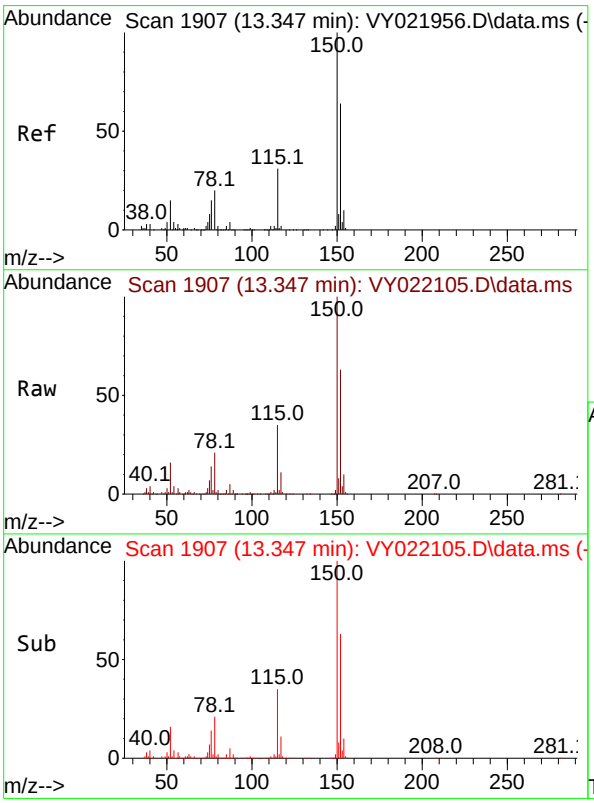
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion:117 Resp: 519369

Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.1	63.1
119	31.6	25.7	38.5

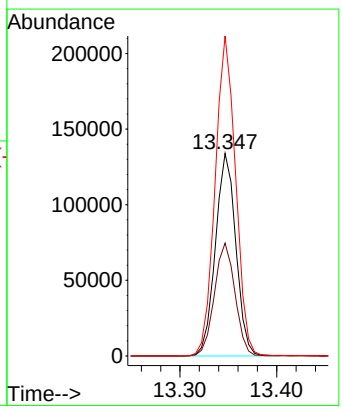




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion:152 Resp: 196391

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	158.2	0.0	345.6



Raw Data: **VY022106.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.7
Sample Wt/Vol:	14.29 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
VY022106.D	1		05/01/25 14:38	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0015	U	0.00042	0.0015	0.0018	mg/Kg
74-87-3	Chloromethane	0.00092	U	0.00042	0.00092	0.0018	mg/Kg
75-01-4	Vinyl Chloride	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
74-83-9	Bromomethane	0.0015	U	0.00040	0.0015	0.0018	mg/Kg
75-00-3	Chloroethane	0.00092	U	0.00047	0.00092	0.0018	mg/Kg
109-99-9	Tetrahydrofuran	0.0046	U	0.0017	0.0046	0.0092	mg/Kg
75-69-4	Trichlorofluoromethane	0.0015	U	0.00045	0.0015	0.0018	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00092	U	0.00039	0.00092	0.0018	mg/Kg
75-35-4	1,1-Dichloroethene	0.00092	U	0.00037	0.00092	0.0018	mg/Kg
107-13-1	Acrylonitrile	0.0046	U	0.0018	0.0046	0.0092	mg/Kg
67-64-1	Acetone	0.0074	U	0.0018	0.0074	0.0092	mg/Kg
75-15-0	Carbon Disulfide	0.0015	U	0.00039	0.0015	0.0018	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00092	U	0.00027	0.00092	0.0018	mg/Kg
75-09-2	Methylene Chloride	0.0030	U	0.0013	0.0030	0.0037	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
75-34-3	1,1-Dichloroethane	0.00092	U	0.00030	0.00092	0.0018	mg/Kg
78-93-3	2-Butanone	0.0074	U	0.0024	0.0074	0.0092	mg/Kg
56-23-5	Carbon Tetrachloride	0.00092	U	0.00036	0.00092	0.0018	mg/Kg
594-20-7	2,2-Dichloropropane	0.0015	U	0.00047	0.0015	0.0018	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00092	U	0.00028	0.00092	0.0018	mg/Kg
67-66-3	Chloroform	0.0015	U	0.00031	0.0015	0.0018	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
563-58-6	1,1-Dichloropropene	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
71-43-2	Benzene	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
107-06-2	1,2-Dichloroethane	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
79-01-6	Trichloroethene	0.00092	U	0.00030	0.00092	0.0018	mg/Kg
78-87-5	1,2-Dichloropropane	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
74-95-3	Dibromomethane	0.00092	U	0.00033	0.00092	0.0018	mg/Kg
75-27-4	Bromodichloromethane	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0046	U	0.0013	0.0046	0.0092	mg/Kg

Raw Data: **VY022106.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.7
Sample Wt/Vol:	14.29 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
VY022106.D	1		05/01/25 14:38	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00092	U	0.00024	0.00092	0.0018	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00092	U	0.00023	0.00092	0.0018	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
142-28-9	1,3-Dichloropropane	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
591-78-6	2-Hexanone	0.0046	U	0.0014	0.0046	0.0092	mg/Kg
124-48-1	Dibromochloromethane	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
106-93-4	1,2-Dibromoethane	0.00092	U	0.00033	0.00092	0.0018	mg/Kg
127-18-4	Tetrachloroethene	0.00092	U	0.00039	0.00092	0.0018	mg/Kg
108-90-7	Chlorobenzene	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.00092	U	0.00028	0.00092	0.0018	mg/Kg
100-41-4	Ethyl Benzene	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
179601-23-1	m/p-Xylenes	0.0018	U	0.00046	0.0018	0.0037	mg/Kg
1330-20-7	Total Xylenes	0.0027	U	0.00076	0.0027	0.0055	mg/Kg
95-47-6	o-Xylene	0.00092	U	0.00030	0.00092	0.0018	mg/Kg
100-42-5	Styrene	0.00092	U	0.00026	0.00092	0.0018	mg/Kg
75-25-2	Bromoform	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
98-82-8	Isopropylbenzene	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00092	U	0.00045	0.00092	0.0018	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0015	U	0.00046	0.0015	0.0018	mg/Kg
108-86-1	Bromobenzene	0.00092	U	0.00044	0.00092	0.0018	mg/Kg
103-65-1	n-propylbenzene	0.00092	U	0.00027	0.00092	0.0018	mg/Kg
95-49-8	2-Chlorotoluene	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.00092	U	0.00030	0.00092	0.0018	mg/Kg
106-43-4	4-Chlorotoluene	0.00092	U	0.00045	0.00092	0.0018	mg/Kg
98-06-6	tert-Butylbenzene	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.00092	U	0.00024	0.00092	0.0018	mg/Kg
135-98-8	sec-Butylbenzene	0.00092	U	0.00024	0.00092	0.0018	mg/Kg
99-87-6	p-Isopropyltoluene	0.00092	U	0.00023	0.00092	0.0018	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00092	U	0.00063	0.00092	0.0018	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00092	U	0.00058	0.00092	0.0018	mg/Kg

Raw Data: **VY022106.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.7
Sample Wt/Vol:	14.29 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
VY022106.D	1		05/01/25 14:38	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.00092	U	0.00054	0.00092	0.0018	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00092	U	0.00054	0.00092	0.0018	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0015	U	0.00068	0.0015	0.0018	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0015	U	0.0011	0.0015	0.0018	mg/Kg
87-68-3	Hexachlorobutadiene	0.00092	U	0.00070	0.00092	0.0018	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0015	U	0.0012	0.0015	0.0018	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.00092	U	0.00039	0.00092	0.0018	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.0		71 - 136		110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		78 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	47.9		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		79 - 119		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	308000	7.713				
540-36-3	1,4-Difluorobenzene	584000	8.615				
3114-55-4	Chlorobenzene-d5	521000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	197000	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\VY050125\
Data File : VY022106.D
Acq On : 01 May 2025 14:38
Operator : SY/MD
Sample : Q1883-13
Misc : 14.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Quant Time: May 02 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	307701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	584162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	521346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156205	54.960	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.920%			
35) Dibromofluoromethane	7.634	113	198196	51.356	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.720%			
50) Toluene-d8	10.109	98	696993	47.905	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.800%			
62) 4-Bromofluorobenzene	12.407	95	276478	56.448	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.900%			

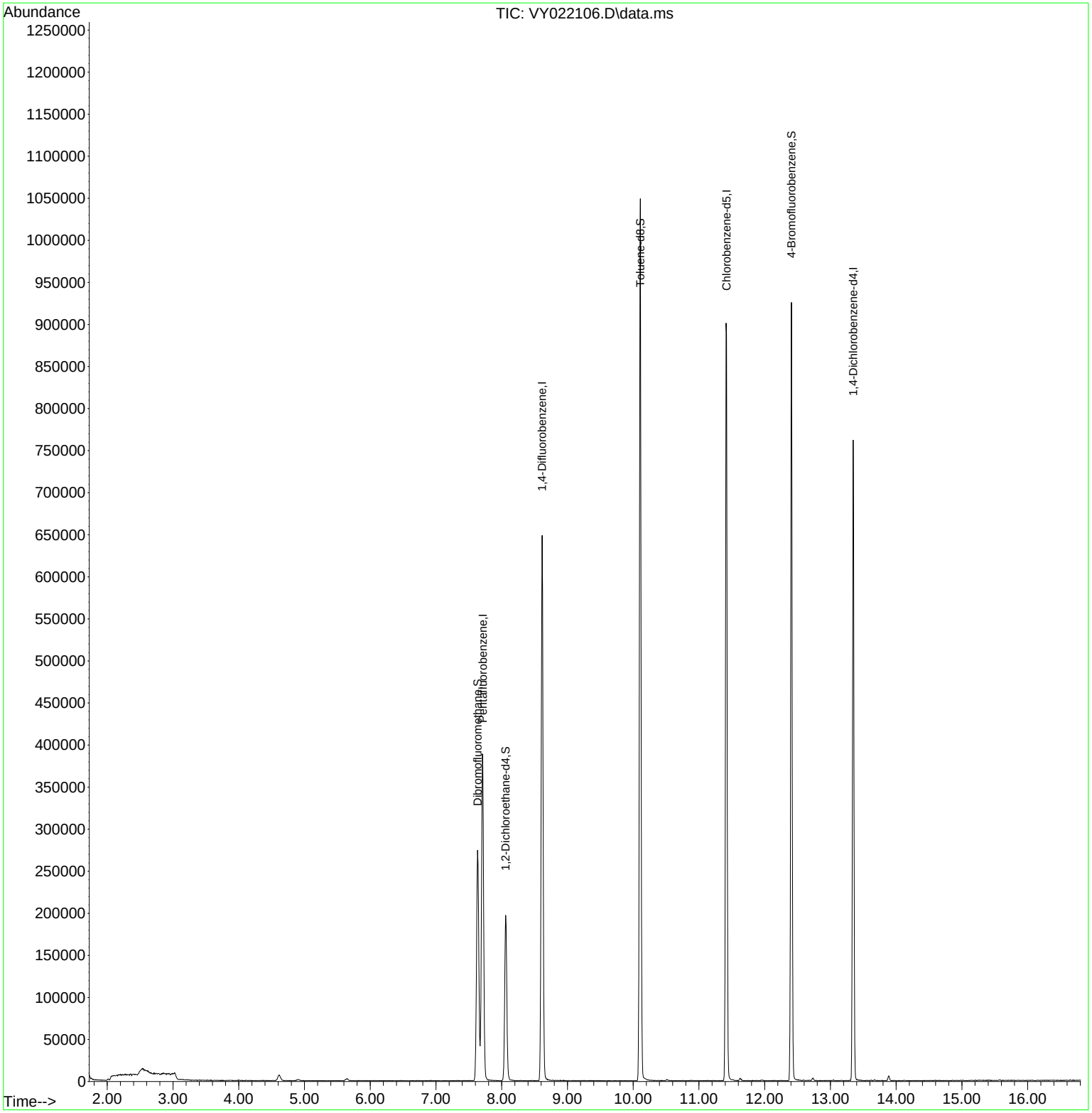
Target Compounds Qvalue

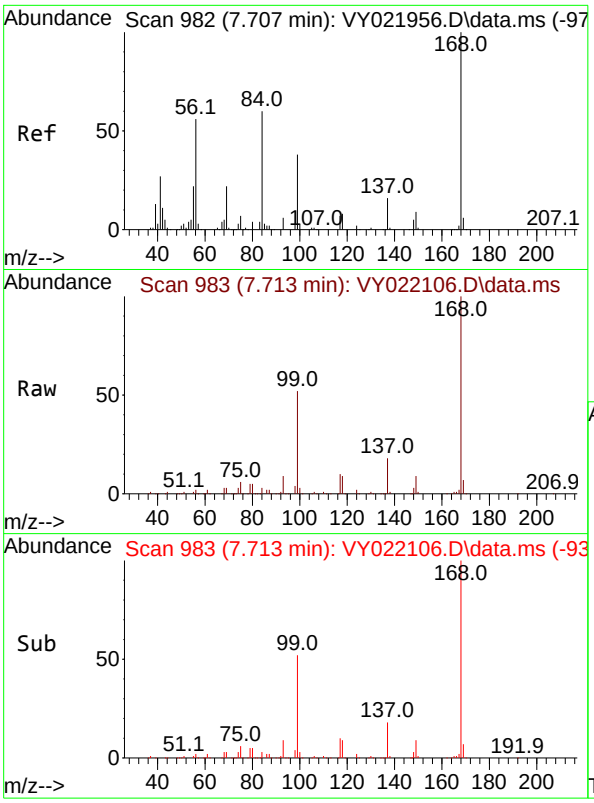
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022106.D
Acq On : 01 May 2025 14:38
Operator : SY/MD
Sample : Q1883-13
Misc : 14.29g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Quant Time: May 02 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



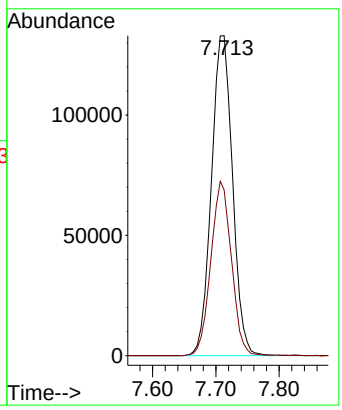


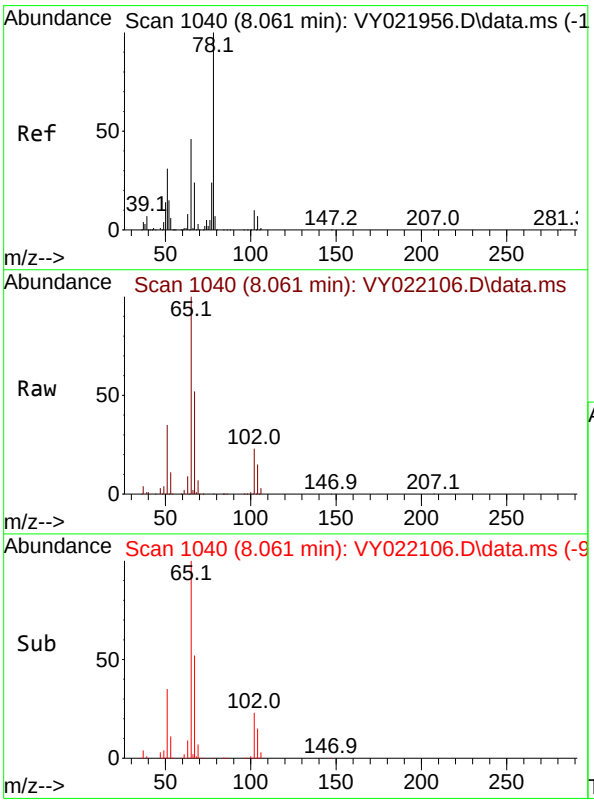
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:168 Resp: 307701

Ion	Ratio	Lower	Upper
168	100		
99	51.8	43.1	64.7

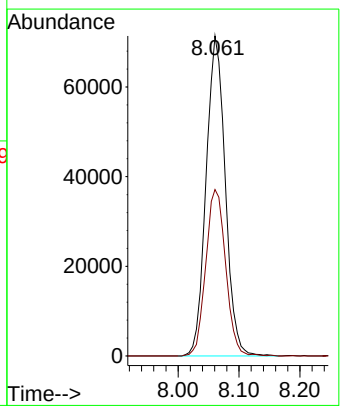


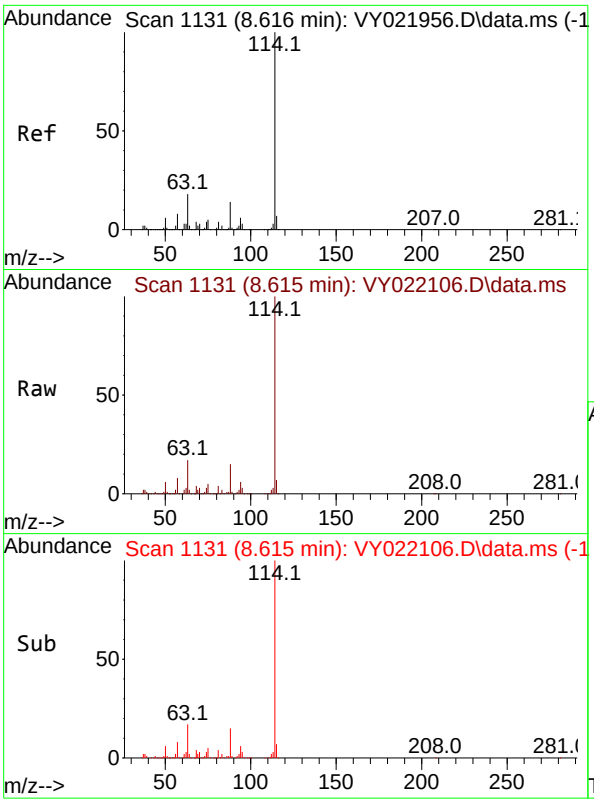


#33
1,2-Dichloroethane-d4
Concen: 54.960 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Tgt Ion: 65 Resp: 156205

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.8



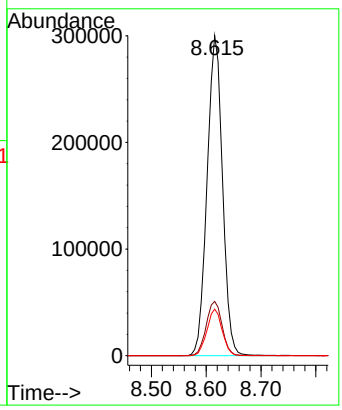


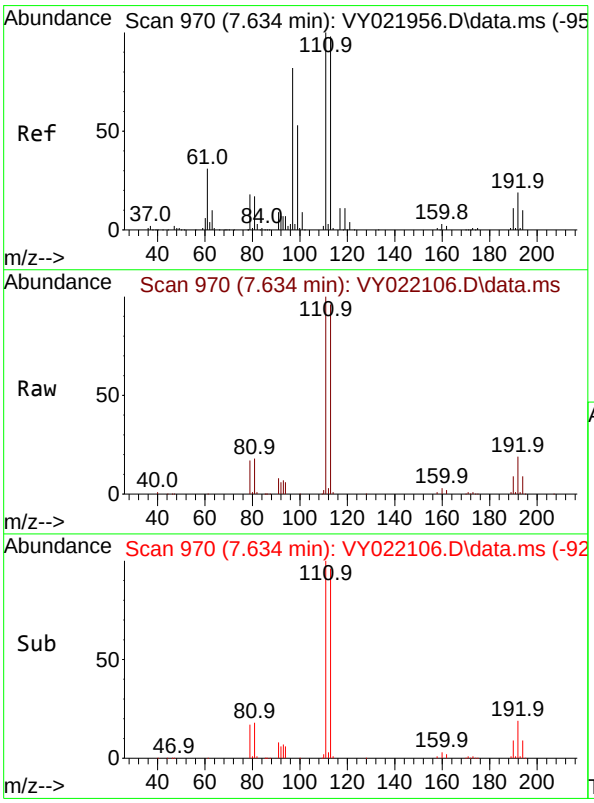
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:114 Resp: 584162

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	35.4
88	14.6	0.0	28.2

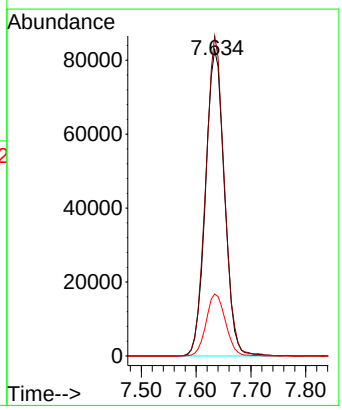


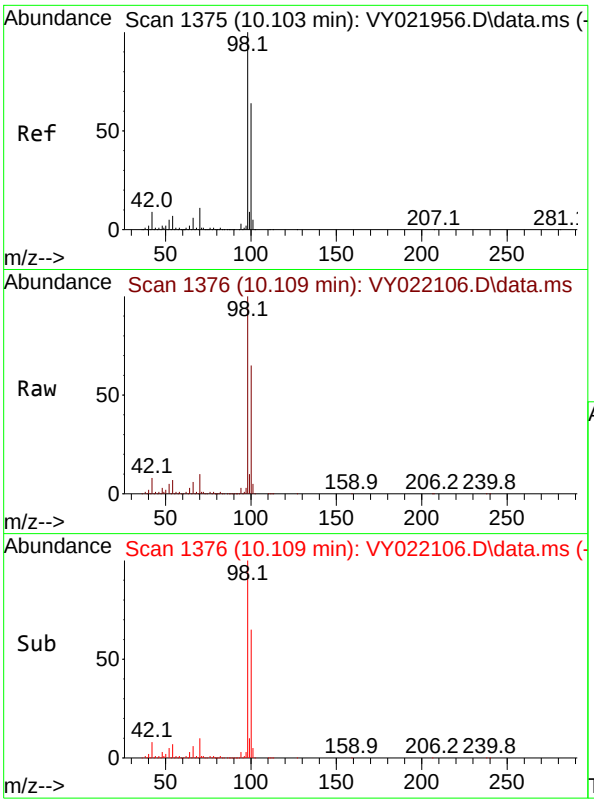


#35
Dibromofluoromethane
Concen: 51.356 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Tgt Ion:113 Resp: 198196

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	20.8	15.6	23.4



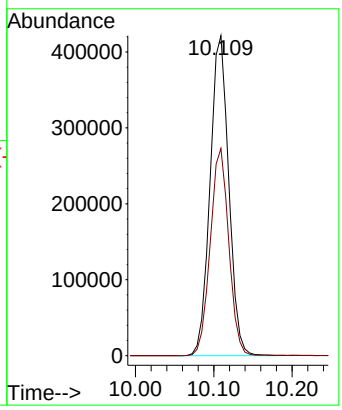


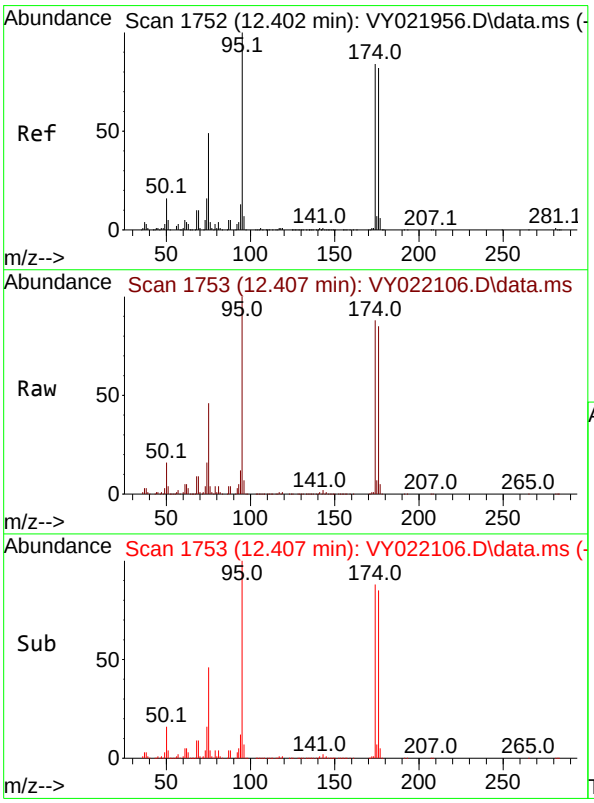
#50
Toluene-d8
Concen: 47.905 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 98 Resp: 696993

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

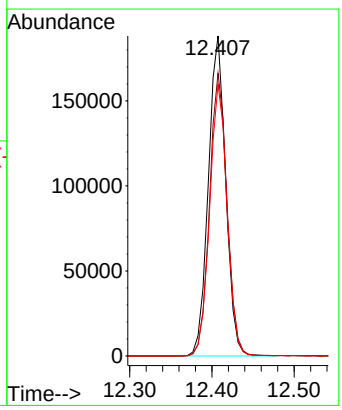


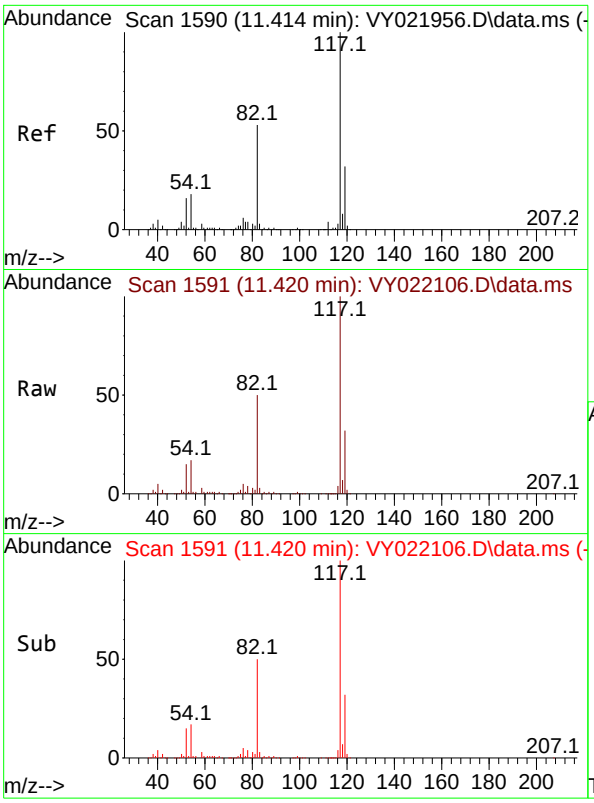


#62
4-Bromofluorobenzene
Concen: 56.448 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Tgt Ion: 95 Resp: 276478

Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	179.0
176	85.3	0.0	171.8



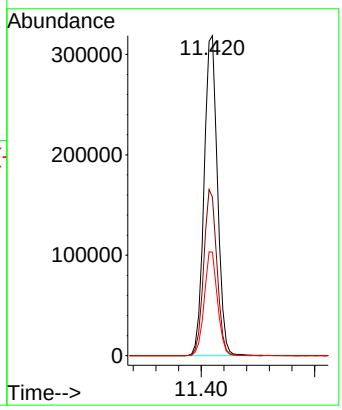


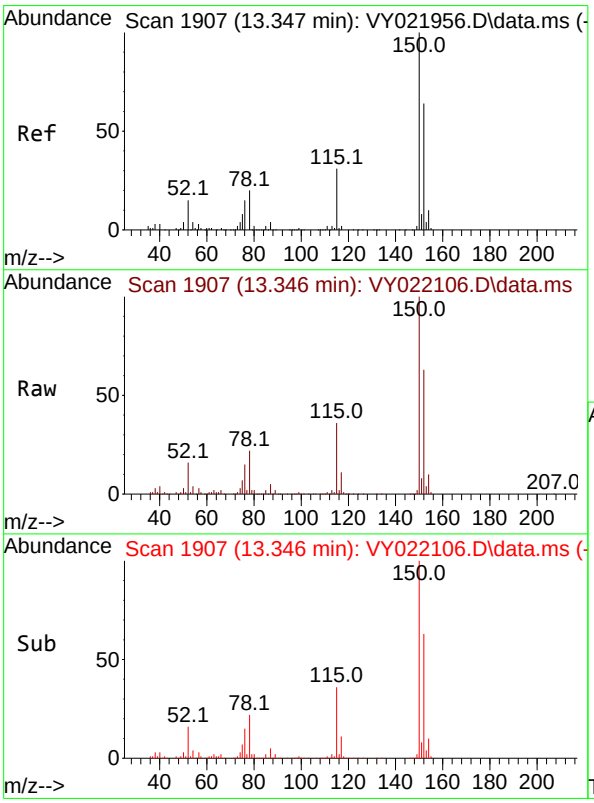
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:117 Resp: 521346

Ion	Ratio	Lower	Upper
117	100		
82	49.5	42.1	63.1
119	32.4	25.7	38.5

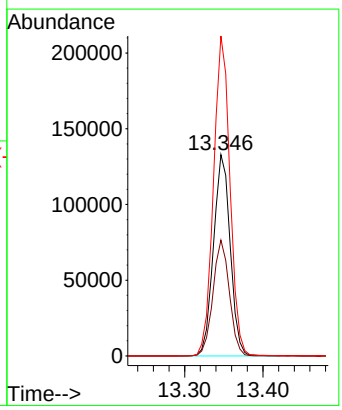




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022106.D
Acq: 01 May 2025 14:38

Tgt Ion:152 Resp: 197125

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.0	84.0
150	156.6	0.0	345.6



Raw Data: **VY022084.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	14.16 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
VY022084.D	1		04/30/25 15:55	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0015	U	0.00042	0.0015	0.0018	mg/Kg
74-87-3	Chloromethane	0.00092	U	0.00042	0.00092	0.0018	mg/Kg
75-01-4	Vinyl Chloride	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
74-83-9	Bromomethane	0.0015	U	0.00039	0.0015	0.0018	mg/Kg
75-00-3	Chloroethane	0.00092	U	0.00046	0.00092	0.0018	mg/Kg
109-99-9	Tetrahydrofuran	0.0046	U	0.0017	0.0046	0.0092	mg/Kg
75-69-4	Trichlorofluoromethane	0.0015	U	0.00045	0.0015	0.0018	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00092	U	0.00039	0.00092	0.0018	mg/Kg
75-35-4	1,1-Dichloroethene	0.00092	U	0.00037	0.00092	0.0018	mg/Kg
107-13-1	Acrylonitrile	0.0046	U	0.0018	0.0046	0.0092	mg/Kg
67-64-1	Acetone	0.0074	U	0.0017	0.0074	0.0092	mg/Kg
75-15-0	Carbon Disulfide	0.0015	U	0.00039	0.0015	0.0018	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00092	U	0.00027	0.00092	0.0018	mg/Kg
75-09-2	Methylene Chloride	0.0029	U	0.0013	0.0029	0.0037	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
75-34-3	1,1-Dichloroethane	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
78-93-3	2-Butanone	0.0074	U	0.0024	0.0074	0.0092	mg/Kg
56-23-5	Carbon Tetrachloride	0.00092	U	0.00036	0.00092	0.0018	mg/Kg
594-20-7	2,2-Dichloropropane	0.0015	U	0.00047	0.0015	0.0018	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00092	U	0.00028	0.00092	0.0018	mg/Kg
67-66-3	Chloroform	0.0015	U	0.00031	0.0015	0.0018	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
563-58-6	1,1-Dichloropropene	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
71-43-2	Benzene	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
107-06-2	1,2-Dichloroethane	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
79-01-6	Trichloroethene	0.00092	U	0.00030	0.00092	0.0018	mg/Kg
78-87-5	1,2-Dichloropropane	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
74-95-3	Dibromomethane	0.00092	U	0.00033	0.00092	0.0018	mg/Kg
75-27-4	Bromodichloromethane	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0046	U	0.0013	0.0046	0.0092	mg/Kg

Raw Data: **VY022084.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	14.16 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
VY022084.D	1		04/30/25 15:55	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00092	U	0.00024	0.00092	0.0018	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00092	U	0.00023	0.00092	0.0018	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
142-28-9	1,3-Dichloropropane	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
591-78-6	2-Hexanone	0.0046	U	0.0014	0.0046	0.0092	mg/Kg
124-48-1	Dibromochloromethane	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
106-93-4	1,2-Dibromoethane	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
127-18-4	Tetrachloroethene	0.00092	U	0.00039	0.00092	0.0018	mg/Kg
108-90-7	Chlorobenzene	0.00092	U	0.00034	0.00092	0.0018	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.00092	U	0.00028	0.00092	0.0018	mg/Kg
100-41-4	Ethyl Benzene	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
179601-23-1	m/p-Xylenes	0.0018	U	0.00046	0.0018	0.0037	mg/Kg
1330-20-7	Total Xylenes	0.0027	U	0.00076	0.0027	0.0055	mg/Kg
95-47-6	o-Xylene	0.00092	U	0.00030	0.00092	0.0018	mg/Kg
100-42-5	Styrene	0.00092	U	0.00026	0.00092	0.0018	mg/Kg
75-25-2	Bromoform	0.00092	U	0.00032	0.00092	0.0018	mg/Kg
98-82-8	Isopropylbenzene	0.00092	U	0.00029	0.00092	0.0018	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.00092	U	0.00045	0.00092	0.0018	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0015	U	0.00046	0.0015	0.0018	mg/Kg
108-86-1	Bromobenzene	0.00092	U	0.00044	0.00092	0.0018	mg/Kg
103-65-1	n-propylbenzene	0.00092	U	0.00027	0.00092	0.0018	mg/Kg
95-49-8	2-Chlorotoluene	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.00092	U	0.00030	0.00092	0.0018	mg/Kg
106-43-4	4-Chlorotoluene	0.00092	U	0.00045	0.00092	0.0018	mg/Kg
98-06-6	tert-Butylbenzene	0.00092	U	0.00025	0.00092	0.0018	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.00092	U	0.00024	0.00092	0.0018	mg/Kg
135-98-8	sec-Butylbenzene	0.00092	U	0.00024	0.00092	0.0018	mg/Kg
99-87-6	p-Isopropyltoluene	0.00092	U	0.00023	0.00092	0.0018	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00092	U	0.00063	0.00092	0.0018	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00092	U	0.00057	0.00092	0.0018	mg/Kg

Raw Data: **VY022084.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	14.16 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
VY022084.D	1		04/30/25 15:55	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.00092	U	0.00053	0.00092	0.0018	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00092	U	0.00053	0.00092	0.0018	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0015	U	0.00068	0.0015	0.0018	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0015	U	0.0011	0.0015	0.0018	mg/Kg
87-68-3	Hexachlorobutadiene	0.00092	U	0.00070	0.00092	0.0018	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0015	U	0.0012	0.0015	0.0018	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.00092	U	0.00039	0.00092	0.0018	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.8		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		79 - 119		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	274000	7.707				
540-36-3	1,4-Difluorobenzene	527000	8.609				
3114-55-4	Chlorobenzene-d5	495000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	197000	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\VY043025\
Data File : VY022084.D
Acq On : 30 Apr 2025 15:55
Operator : SY/MD
Sample : Q1883-15
Misc : 14.16g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Quant Time: May 01 01:37:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	273736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	527033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	148722	58.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.640%			
35) Dibromofluoromethane	7.628	113	184998	53.132	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.260%			
50) Toluene-d8	10.103	98	652921	49.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.480%			
62) 4-Bromofluorobenzene	12.401	95	188005	42.545	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.100%			

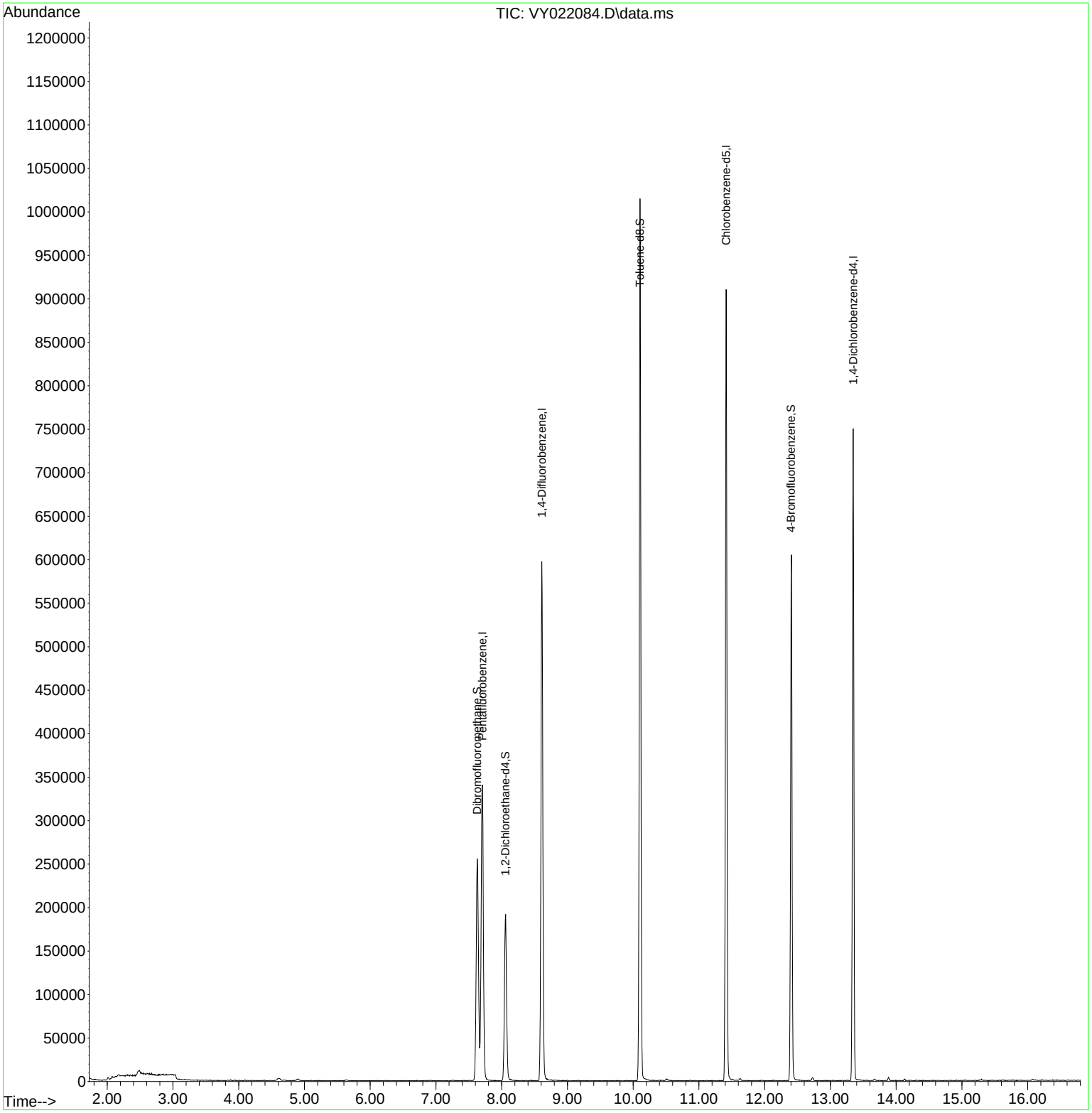
Target Compounds Qvalue

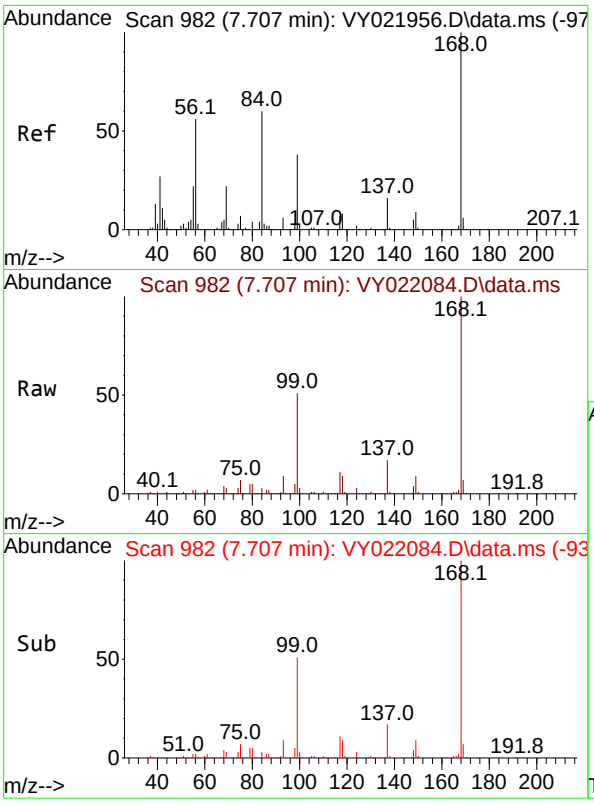
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022084.D
Acq On : 30 Apr 2025 15:55
Operator : SY/MD
Sample : Q1883-15
Misc : 14.16g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Quant Time: May 01 01:37:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



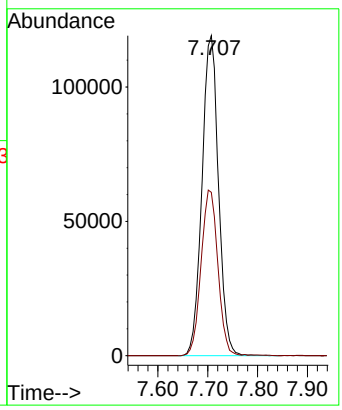


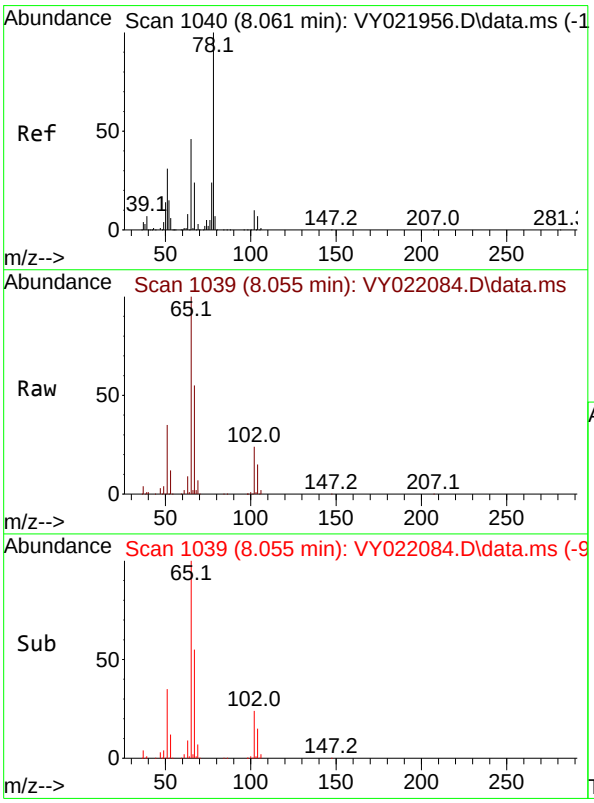
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:168 Resp: 273736

Ion	Ratio	Lower	Upper
168	100		
99	51.0	43.1	64.7

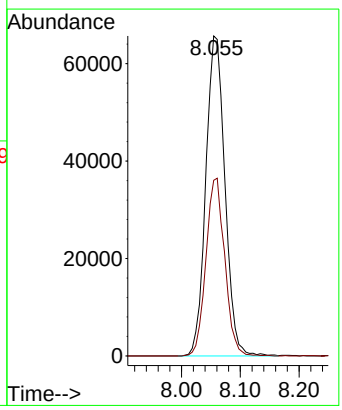


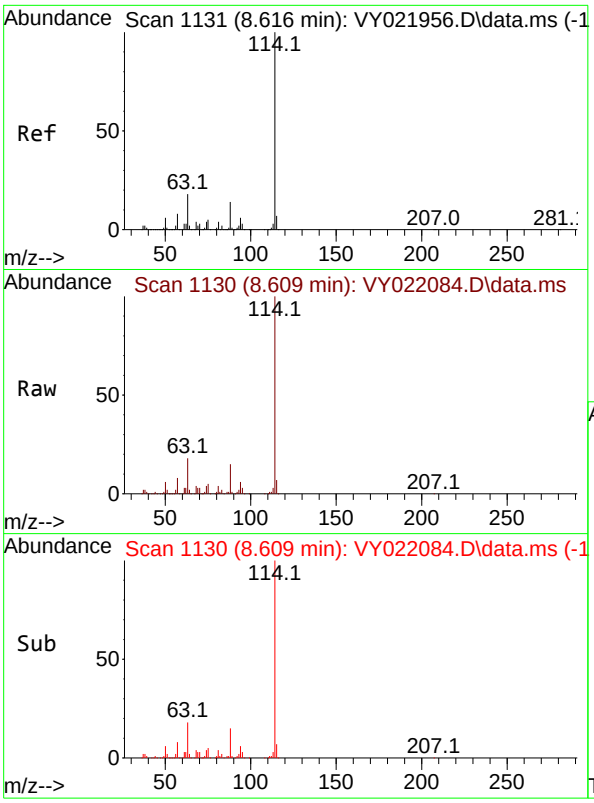


#33
1,2-Dichloroethane-d4
Concen: 58.819 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Tgt Ion: 65 Resp: 148722

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.8



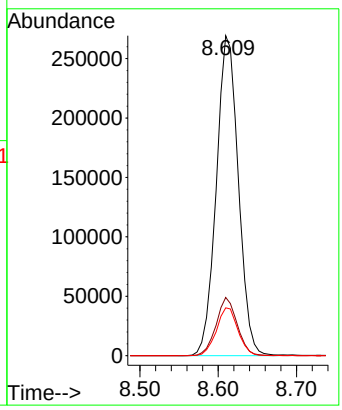


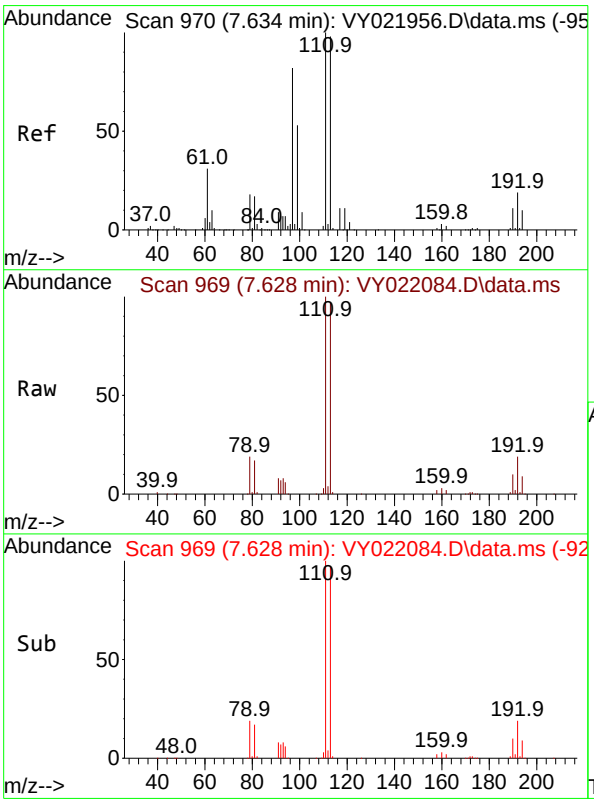
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:114 Resp: 527033

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.4
88	15.0	0.0	28.2

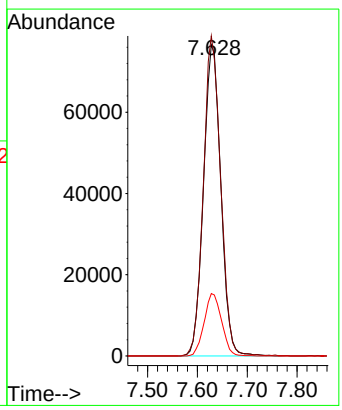


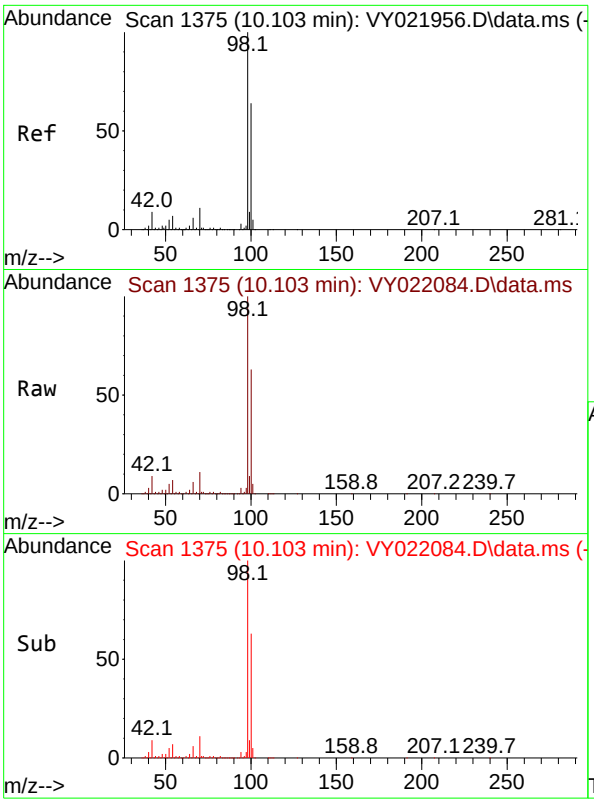


#35
Dibromofluoromethane
Concen: 53.132 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Tgt Ion:113 Resp: 184998

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	20.1	15.6	23.4



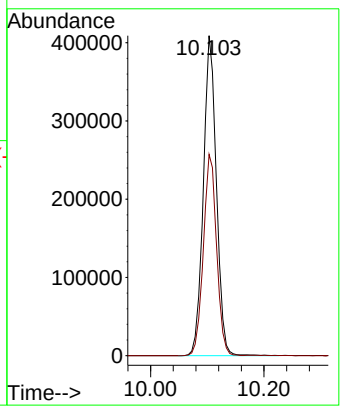


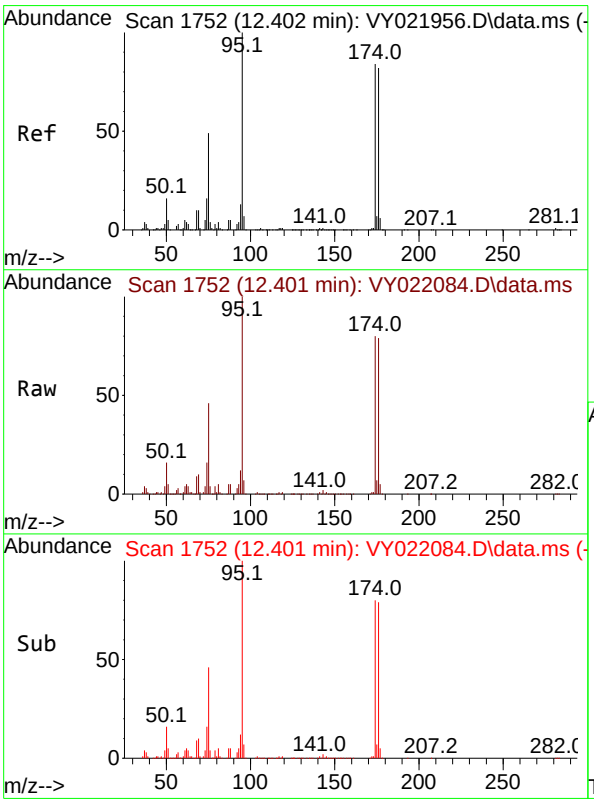
#50
Toluene-d8
Concen: 49.740 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion: 98 Resp: 652921

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4

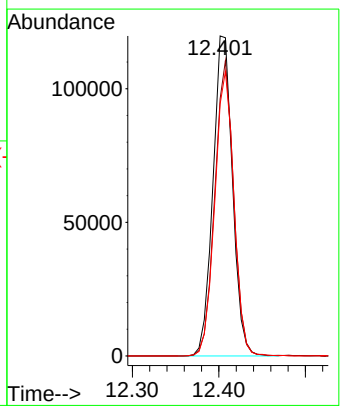


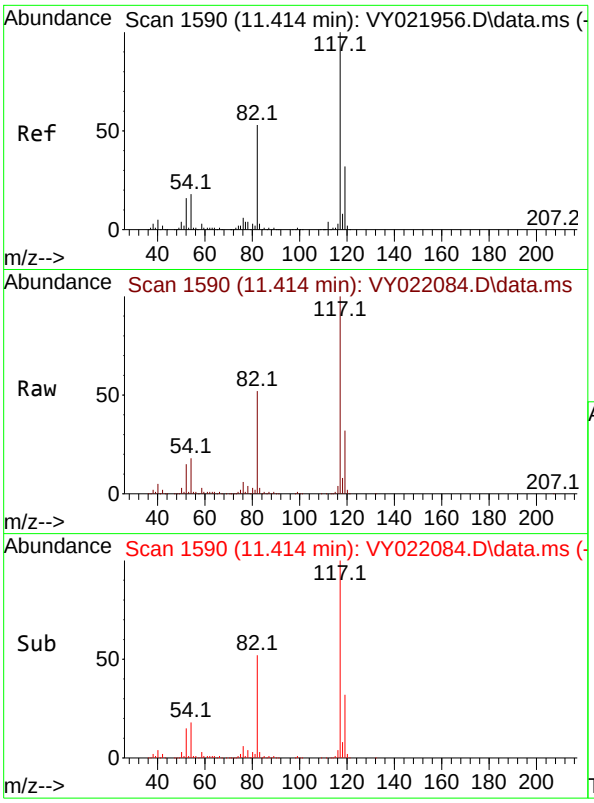


#62
4-Bromofluorobenzene
Concen: 42.545 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Tgt Ion: 95 Resp: 188005

Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	179.0
176	87.1	0.0	171.8



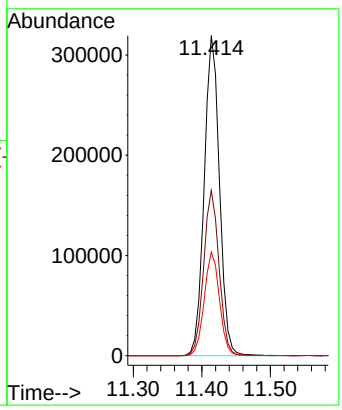


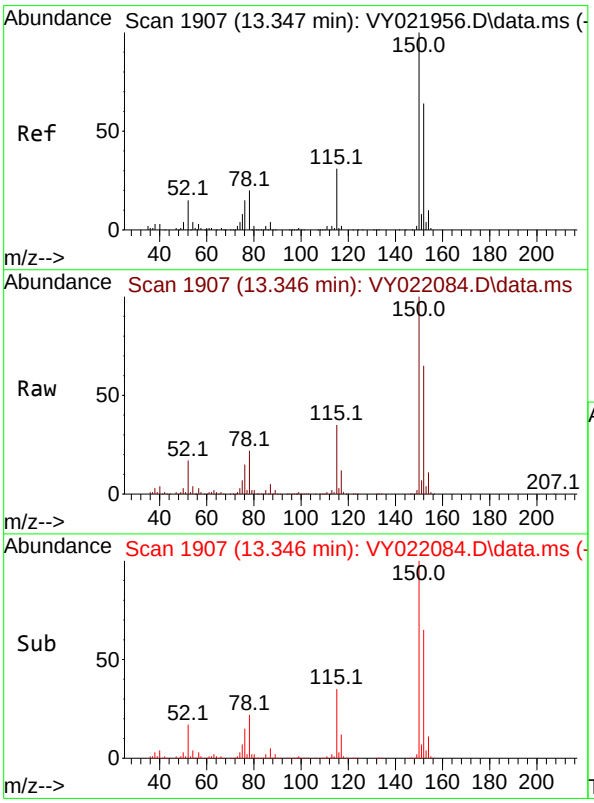
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:117 Resp: 495256

Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.1	63.1
119	32.4	25.7	38.5

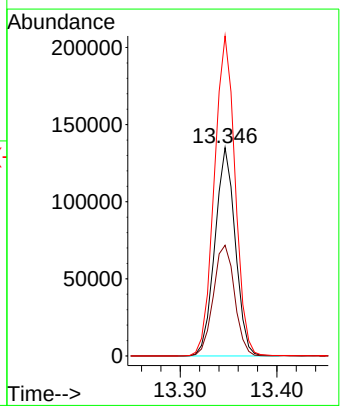




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022084.D
Acq: 30 Apr 2025 15:55

Tgt Ion:152 Resp: 197305

Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.0	84.0
150	157.4	0.0	345.6



Raw Data: **VY022167.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	SO-TB-01-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-17	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022167.D	1		05/05/25 18:14	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0063	J	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022167.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	SO-TB-01-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-17	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022167.D	1		05/05/25 18:14	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022167.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	SO-TB-01-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-17	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022167.D	1		05/05/25 18:14	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.2		71 - 136		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	49.4		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		79 - 119		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	239000	7.707				
540-36-3	1,4-Difluorobenzene	458000	8.616				
3114-55-4	Chlorobenzene-d5	407000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	151000	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\VY050525\
Data File : VY022167.D
Acq On : 05 May 2025 18:14
Operator : SY/MD
Sample : Q1883-17
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

Quant Time: May 06 05:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

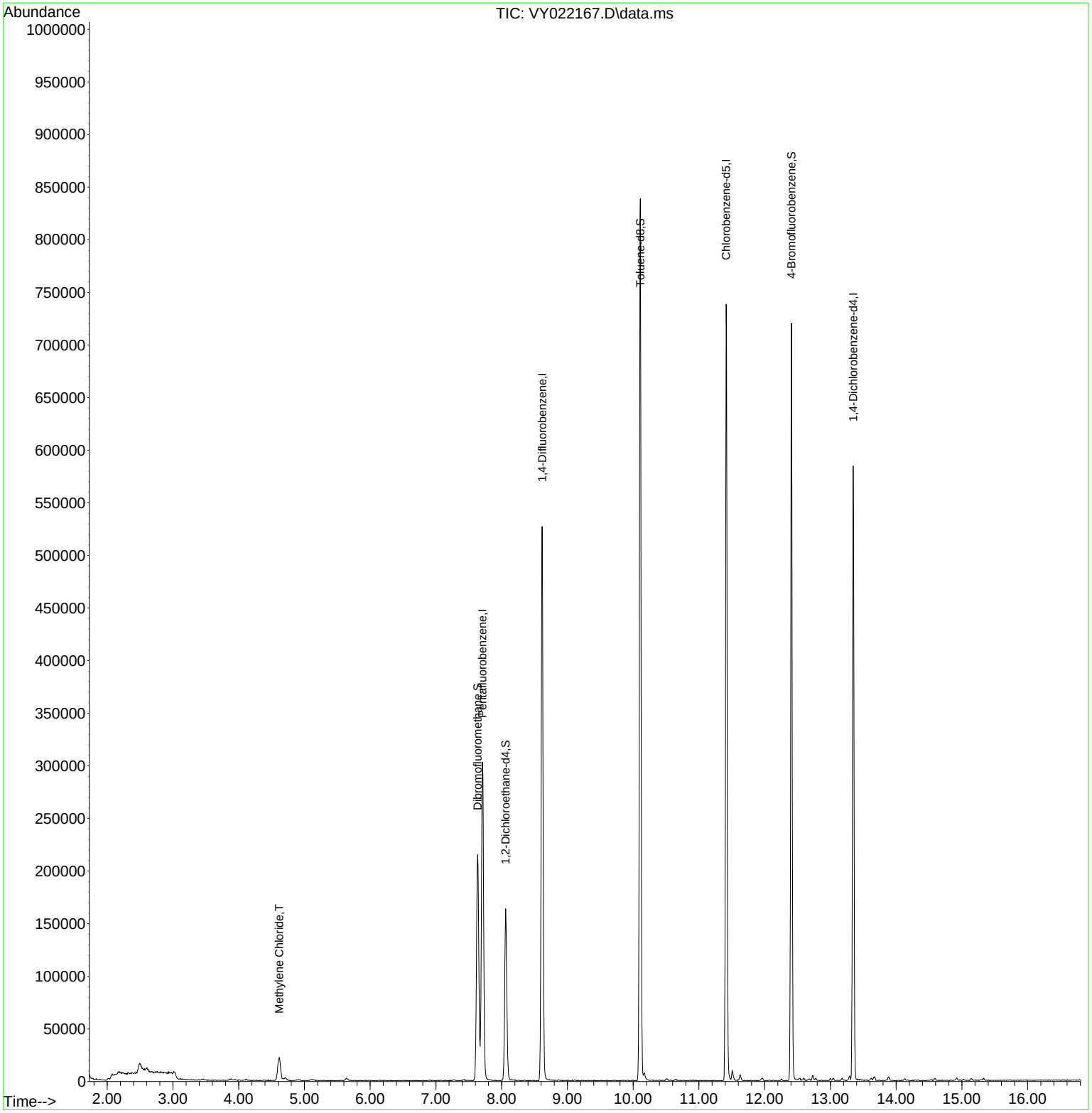
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	238741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	457703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123916	56.192	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.380%			
35) Dibromofluoromethane	7.634	113	158049	52.268	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.540%			
50) Toluene-d8	10.109	98	563215	49.406	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.408	95	216469	56.407	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.820%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	17611	6.316	ug/l	98

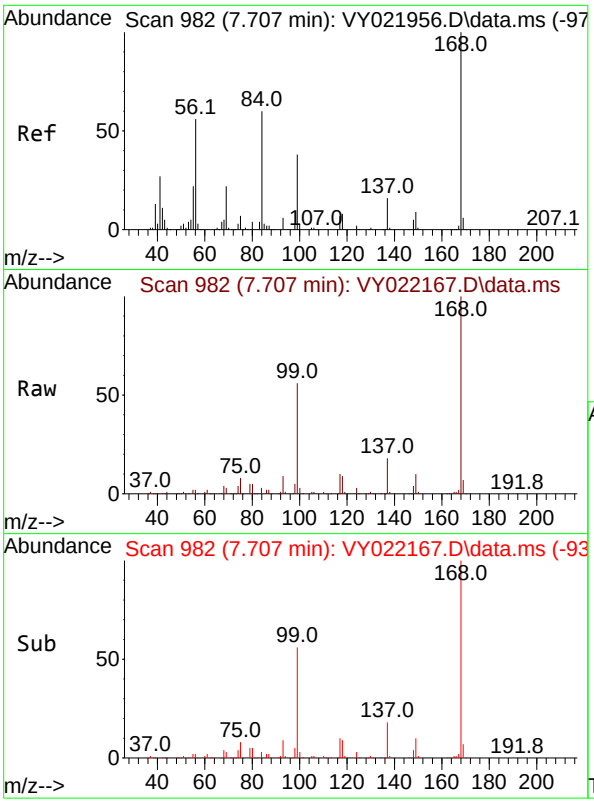
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022167.D
Acq On : 05 May 2025 18:14
Operator : SY/MD
Sample : Q1883-17
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

Quant Time: May 06 05:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



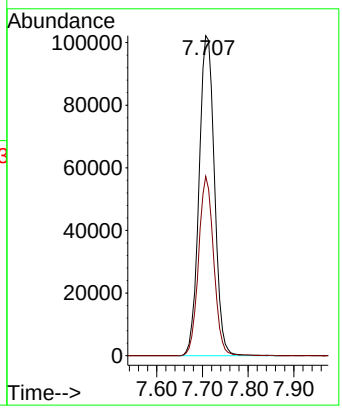


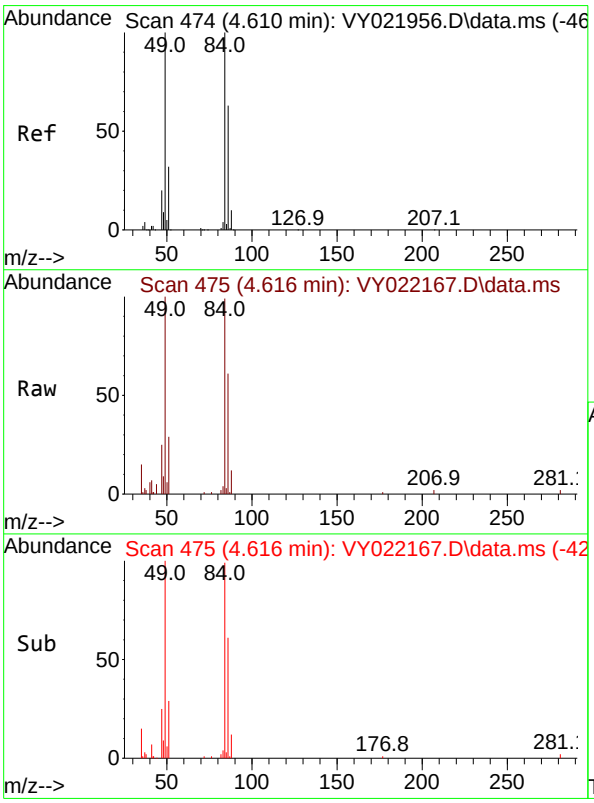
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

Tgt Ion:168 Resp: 238741

Ion	Ratio	Lower	Upper
168	100		
99	56.1	43.1	64.7

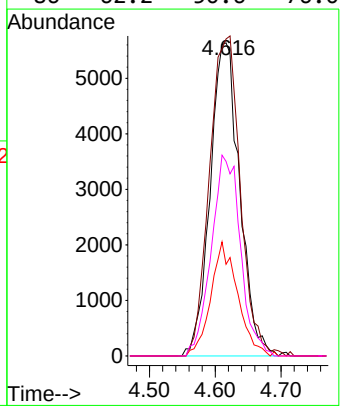


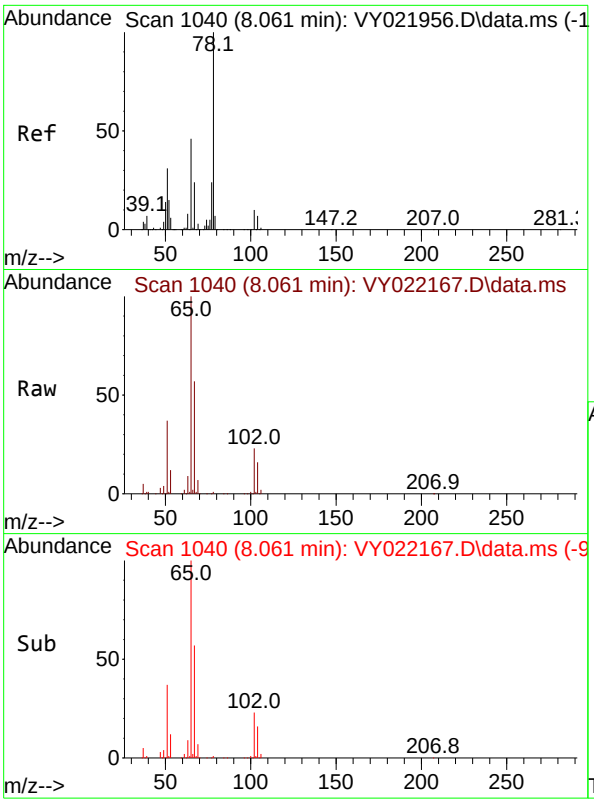


#20
Methylene Chloride
Concen: 6.316 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion: 84 Resp: 17611

Ion	Ratio	Lower	Upper
84	100		
49	101.3	79.9	119.9
51	29.3	25.4	38.0
86	62.2	50.6	76.0



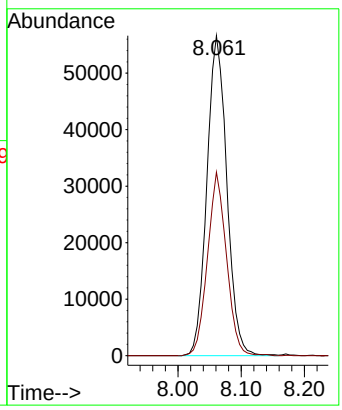


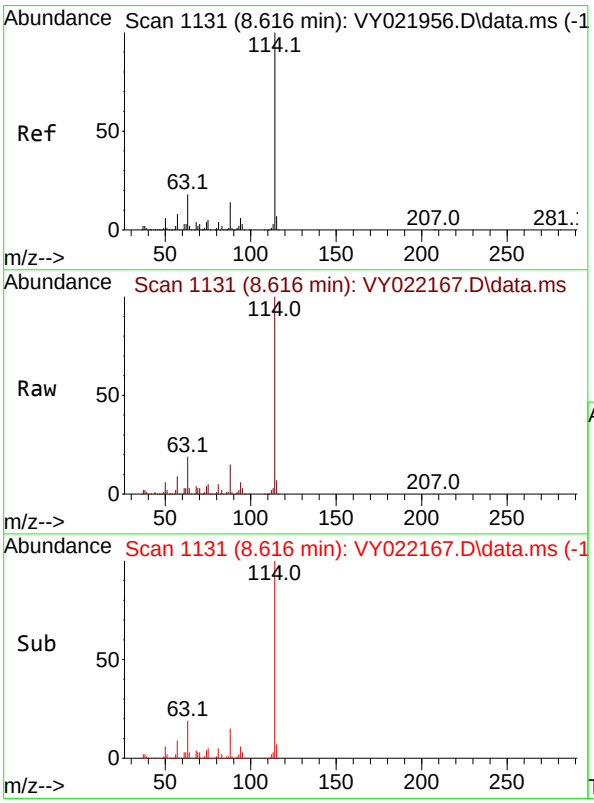
#33
1,2-Dichloroethane-d4
Concen: 56.192 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

Tgt Ion: 65 Resp: 123916

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	105.8

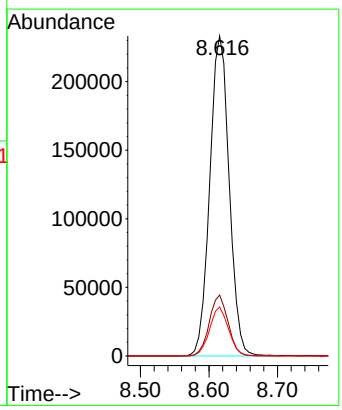


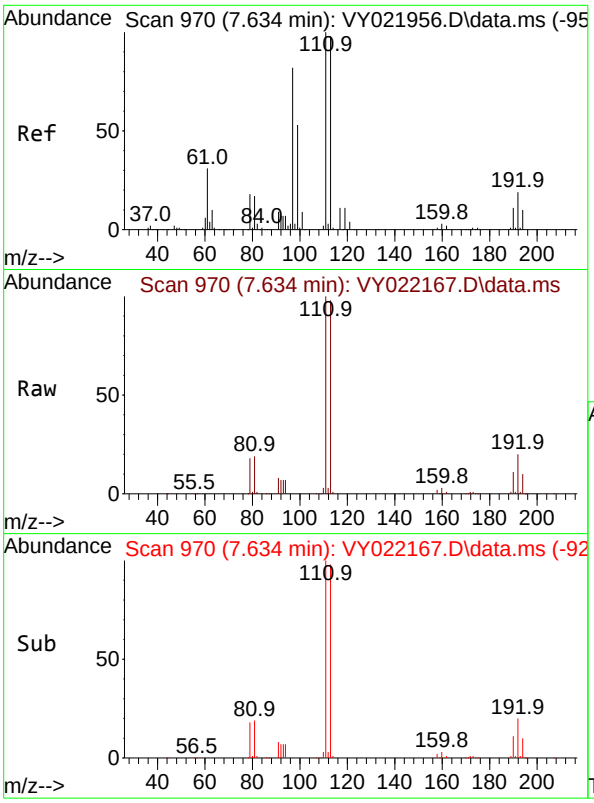


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion:114 Resp: 457703

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	35.4
88	15.3	0.0	28.2



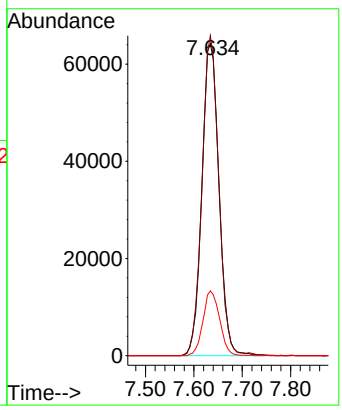


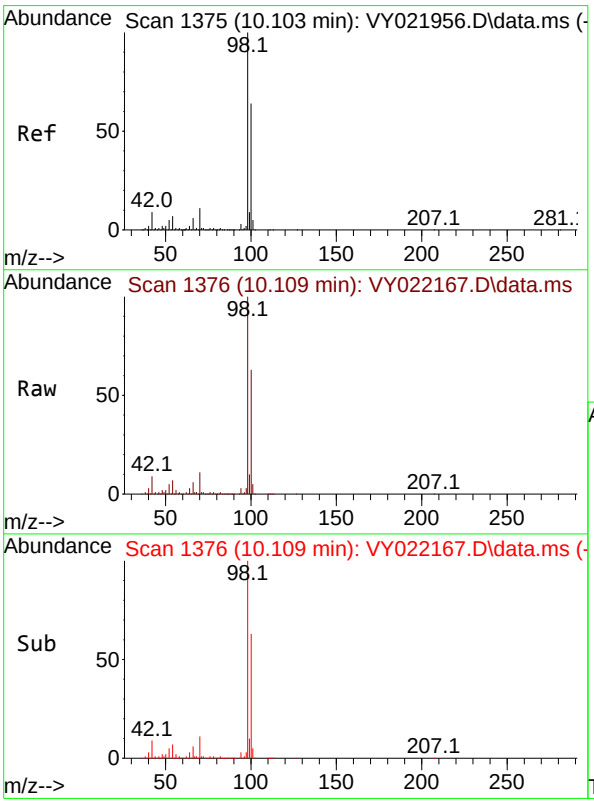
#35
Dibromofluoromethane
Concen: 52.268 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

Tgt Ion:113 Resp: 158049

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.8
192	20.2	15.6	23.4

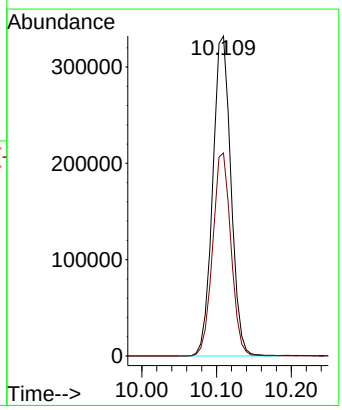


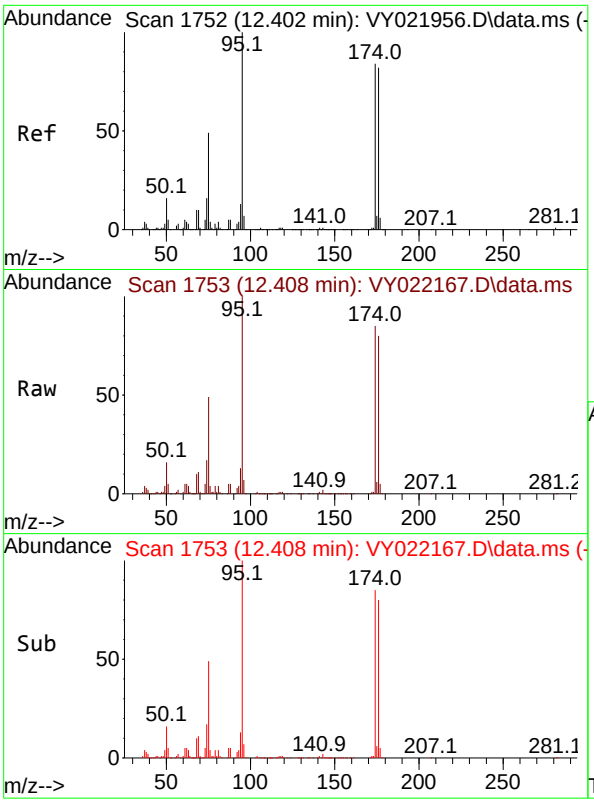


#50
Toluene-d8
Concen: 49.406 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion: 98 Resp: 563215

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4



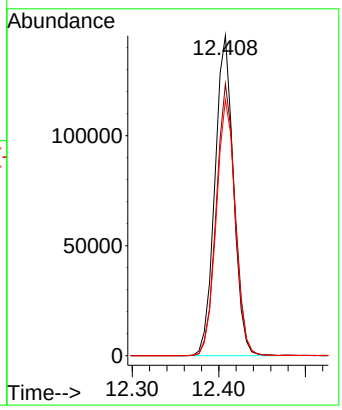


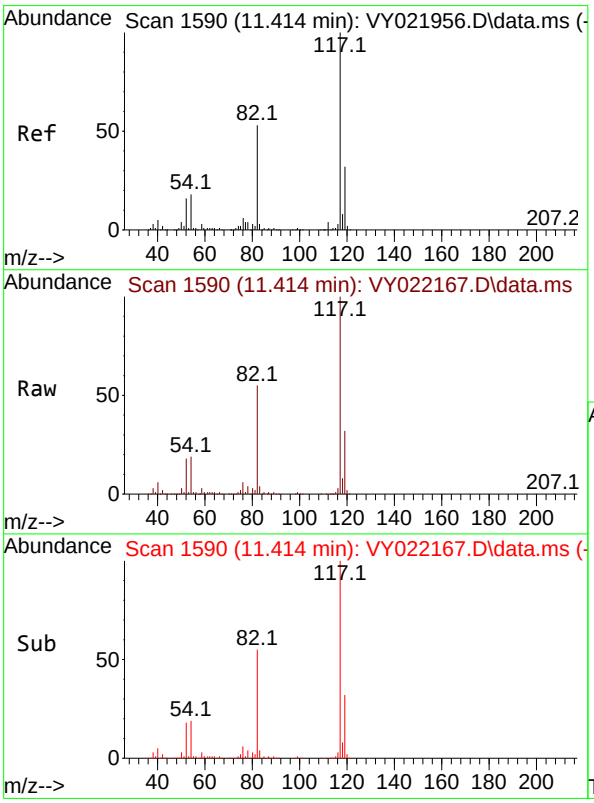
#62
4-Bromofluorobenzene
Concen: 56.407 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

Tgt Ion: 95 Resp: 216469

Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	179.0
176	82.0	0.0	171.8

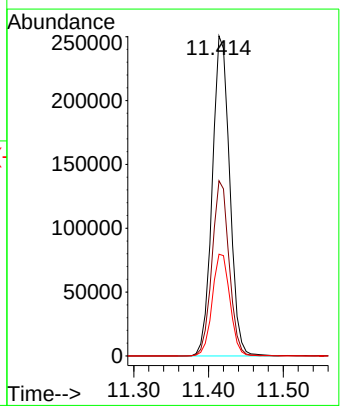


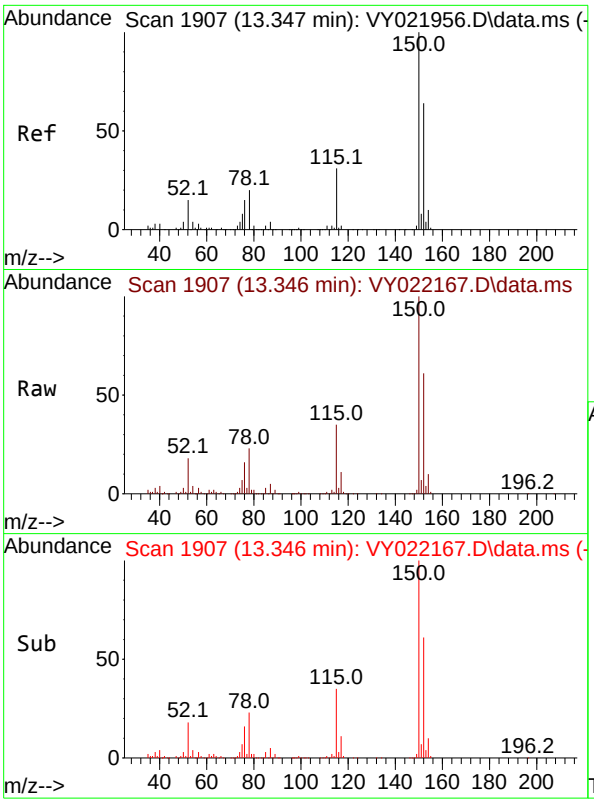


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Tgt Ion:117 Resp: 406634

Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.1	63.1
119	31.8	25.7	38.5



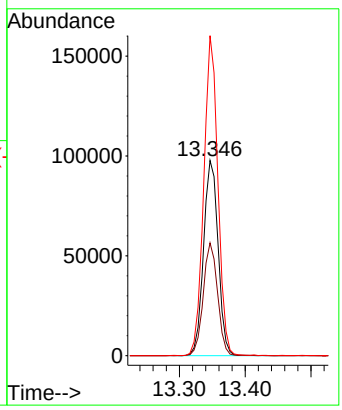


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022167.D
Acq: 05 May 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SO-TB-01-042325

Tgt Ion:152 Resp: 150906

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.0	84.0
150	158.3	0.0	345.6



CALIBRATION SUMMARY

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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.9
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.6
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
2,2-Dichloropropane	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.4
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
1,1-Dichloropropene	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.1
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	3
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
1,3-Dichloropropane	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.6
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
1,1,1,2-Tetrachloroethane	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.1
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,2,3-Trichloropropane	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.8
Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.8
n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.3
2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.1
1,3,5-Trimethylbenzene	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.8
4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.2
tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.469	8.5
1,2,4-Trimethylbenzene	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8
sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.7
p-Isopropyltoluene	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.4
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.2
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1
Hexachlorobutadiene	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.3
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8
trans-1,4-Dichloro-2-butene	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.9

* 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 : 82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025
Response Via : Initial Calibration

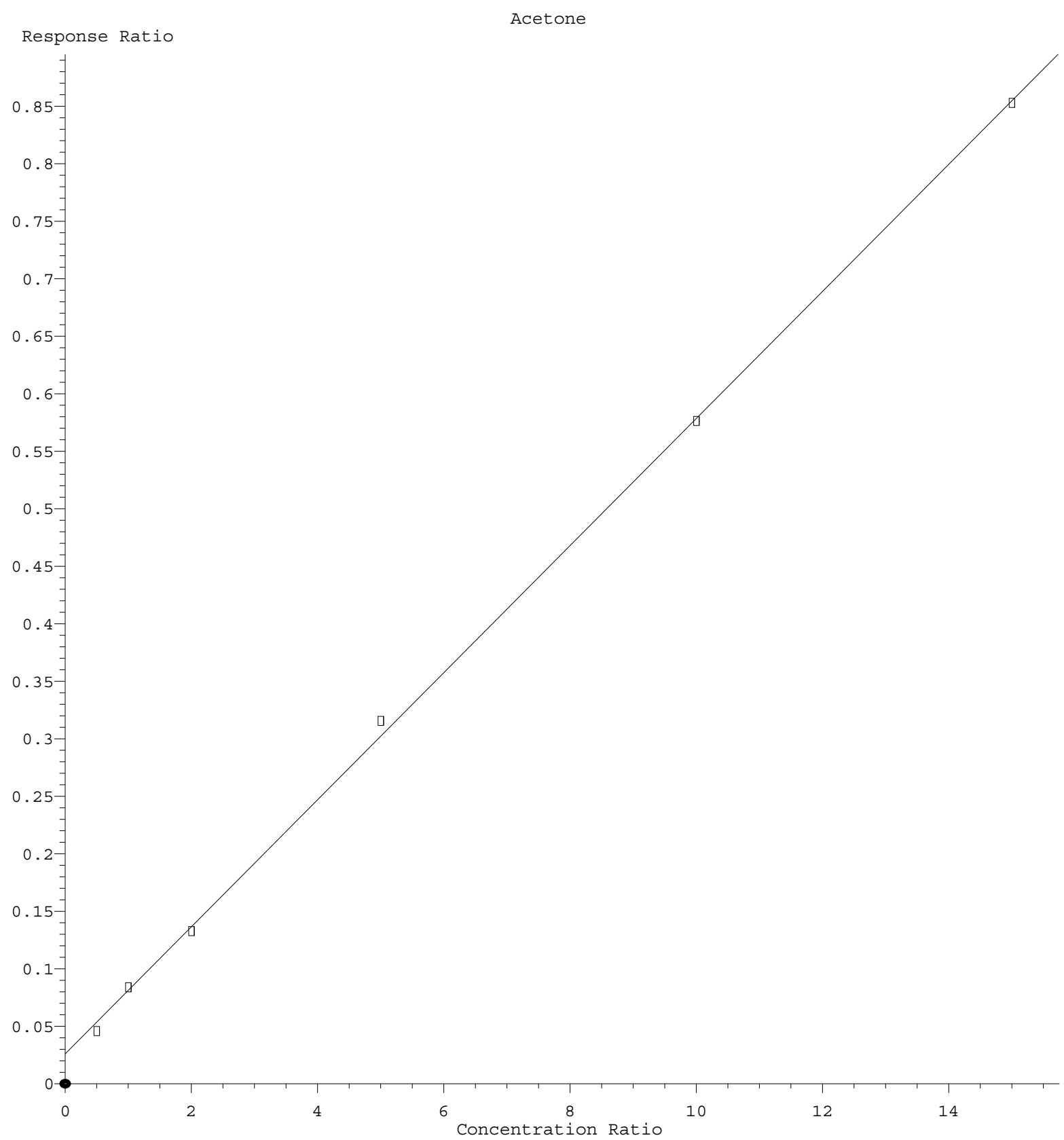
Calibration Files
5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.66
3)	P	Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.24
4)	C	Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.14#
5)	T	Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.29
6)	T	Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.60
7)	T	Trichlorofluor...	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.87
8)	T	Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.23
9)	T	1,1,2-Trichlor...	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.83
10)	T	Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.33
11)	T	Tert butyl alc...	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.35
12)	CM	1,1-Dichloroet...	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5.05#
13)	T	Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.55
14)	T	Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.82
15)	T	Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.56
16)	T	Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.66
17)	T	Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.75
18)	T	Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.16
19)	T	Methyl tert-bu...	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.57
20)	T	Methylene Chlo...	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.72
21)	T	trans-1,2-Dich...	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.29
22)	T	Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.78
23)	T	Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.15
24)	P	1,1-Dichloroet...	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.89
25)	T	2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.53
26)	T	2,2-Dichloropr...	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.42
27)	T	cis-1,2-Dichlo...	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.08
28)	T	Bromochloromet...	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.18
29)	T	Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.92
30)	C	Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.17#
31)	T	Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.59
32)	T	1,1,1-Trichlor...	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.78
33)	S	1,2-Dichloroet...	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.29
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.34
36)	T	1,1-Dichloropr...	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.10
37)	T	Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.67
38)	T	Carbon Tetrach...	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.90
39)	T	Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	5.95
40)	TM	Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.14
41)	T	Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.20
42)	TM	1,2-Dichloroet...	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.27
43)	T	Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.52
44)	TM	Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.28
45)	C	1,2-Dichloropr...	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.36#
46)	T	Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	2.95
47)	T	Bromodichlorom...	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.08
48)	T	Methyl methacr...	0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.21
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.90
50)	S	Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2.04
51)	T	4-Methyl-2-Pen...	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.94
52)	CM	Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.35#
53)	T	t-1,3-Dichloro...	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.70
54)	T	cis-1,3-Dichlo...	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.32
55)	T	1,1,2-Trichlor...	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.82
56)	T	Ethyl methacry...	0.234	0.259	0.290	0.316	0.332	0.329	0.293	13.69

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y042225S.M

57)	T	1,3-Dichloropr...	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.58
58)	T	2-Chloroethyl ...	0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.40
59)	T	2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.46
60)	T	Dibromochlorom...	0.345	0.355	0.354	0.352	0.367	0.357	0.355	1.96
61)	T	1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.27
62)	S	4-Bromofluorob...	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.77
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.64
65)	PM	Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.46
66)	T	1,1,1,2-Tetrac...	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.12
67)	C	Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.06#
68)	T	m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.28
69)	T	o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.32
70)	T	Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.16
71)	P	Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.48
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.24
74)	T	N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.48
75)	P	1,1,2,2-Tetrac...	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.42
76)	T	1,2,3-Trichlor...	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.83
77)	T	Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.76
78)	T	n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.30
79)	T	2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.07
80)	T	1,3,5-Trimethy...	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.80
81)	T	trans-1,4-Dich...	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.93
82)	T	4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.23
83)	T	tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.468	8.48
84)	T	1,2,4-Trimethy...	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8.01
85)	T	sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.72
86)	T	p-Isopropyltol...	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.39
87)	T	1,3-Dichlorobe...	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.53
88)	T	1,4-Dichlorobe...	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.73
89)	T	n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.24
90)	T	Hexachloroethane	0.715	0.710	0.614	0.638	0.689	0.677	0.674	6.01
91)	T	1,2-Dichlorobe...	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.84
92)	T	1,2-Dibromo-3-...	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.90
93)	T	1,2,4-Trichlor...	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.11
94)	T	Hexachlorobuta...	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.28
95)	T	Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.56
96)	T	1,2,3-Trichlor...	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.25

(#) = Out of Range



Response = 5.529e-002 * Amt + 2.582e-002
Coef of Det (r^2) = 0.999482 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y042225S.M
Calibration Table Last Updated: Wed Apr 23 02:30:30 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 11.360%#			
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.140%#			
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 9.800%#			
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 9.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3727m	26.192	ug/l	
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	7691m	5.283	ug/l	
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.232	41	3506m	4.345 ug/l		
42) 1,2-Dichloroethane	8.158	62	16046	5.046 ug/l		96
43) Isopropyl Acetate	8.195	43	13940	4.919 ug/l	#	86
44) Trichloroethene	8.865	130	18611	5.231 ug/l		96
45) 1,2-Dichloropropane	9.146	63	14827	5.220 ug/l		99
46) Dibromomethane	9.231	93	9367	5.268 ug/l		96
47) Bromodichloromethane	9.420	83	22170	4.991 ug/l	#	96
48) Methyl methacrylate	9.225	41	5570	4.252 ug/l		94
49) 1,4-Dioxane	9.231	88	1703	89.863 ug/l	#	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414 ug/l		98
52) Toluene	10.170	92	38784	4.665 ug/l		97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649 ug/l	#	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765 ug/l		92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877 ug/l		94
56) Ethyl methacrylate	10.444	69	10816	3.982 ug/l		96
57) 1,3-Dichloropropane	10.719	76	19113	5.020 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606 ug/l		100
59) 2-Hexanone	10.761	43	21558	22.001 ug/l		92
60) Dibromochloromethane	10.914	129	15992	4.863 ug/l		97
61) 1,2-Dibromoethane	11.017	107	11020	4.915 ug/l		98
64) Tetrachloroethene	10.646	164	20545	5.302 ug/l		91
65) Chlorobenzene	11.444	112	48805	5.314 ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097 ug/l		98
67) Ethyl Benzene	11.517	91	69548	4.629 ug/l		97
68) m/p-Xylenes	11.627	106	54518	9.119 ug/l		100
69) o-Xylene	11.956	106	24611	4.466 ug/l		98
70) Styrene	11.969	104	39016	4.217 ug/l		97
71) Bromoform	12.133	173	9608	5.111 ug/l	#	98
73) Isopropylbenzene	12.255	105	62917	4.582 ug/l		97
74) N-amyl acetate	12.072	43	10843	4.596 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	10228m	5.648 ug/l		
77) Bromobenzene	12.535	156	17570	5.064 ug/l		100
78) n-propylbenzene	12.596	91	76210	4.660 ug/l		100
79) 2-Chlorotoluene	12.682	91	46298	4.868 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191 ug/l		98
82) 4-Chlorotoluene	12.779	91	47541	4.809 ug/l		98
83) tert-Butylbenzene	12.999	119	46171	4.550 ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387 ug/l		99
85) sec-Butylbenzene	13.176	105	66872	4.504 ug/l		99
86) p-Isopropyltoluene	13.291	119	55850	4.430 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362 ug/l		95
89) n-Butylbenzene	13.621	91	50918	4.518 ug/l		99
90) Hexachloroethane	13.883	117	14703	5.308 ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430 ug/l		86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406 ug/l		94
94) Hexachlorobutadiene	15.023	225	10723	5.004 ug/l		98
95) Naphthalene	15.145	128	24368	4.212 ug/l		97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 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

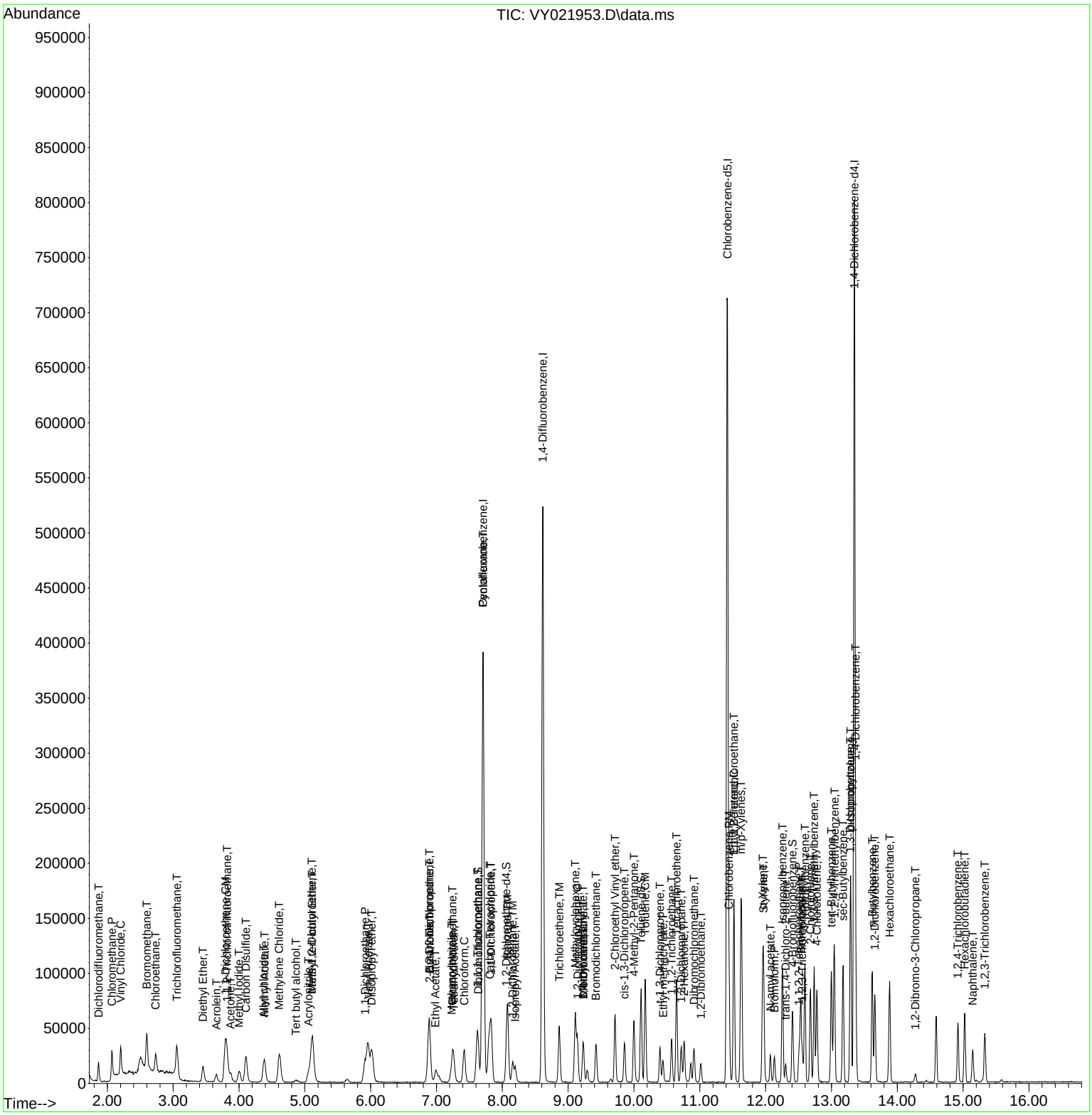
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

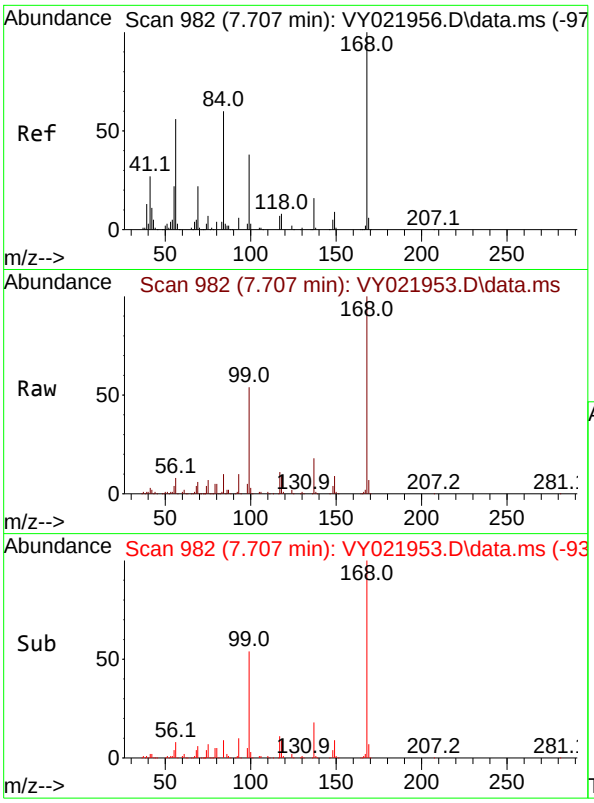
Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

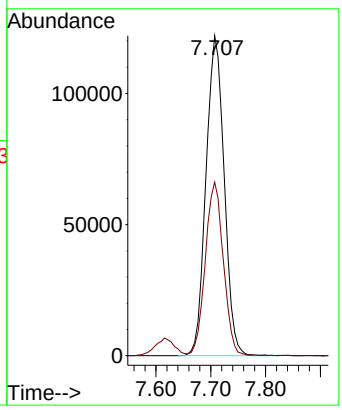
Tgt Ion:168 Resp: 28061

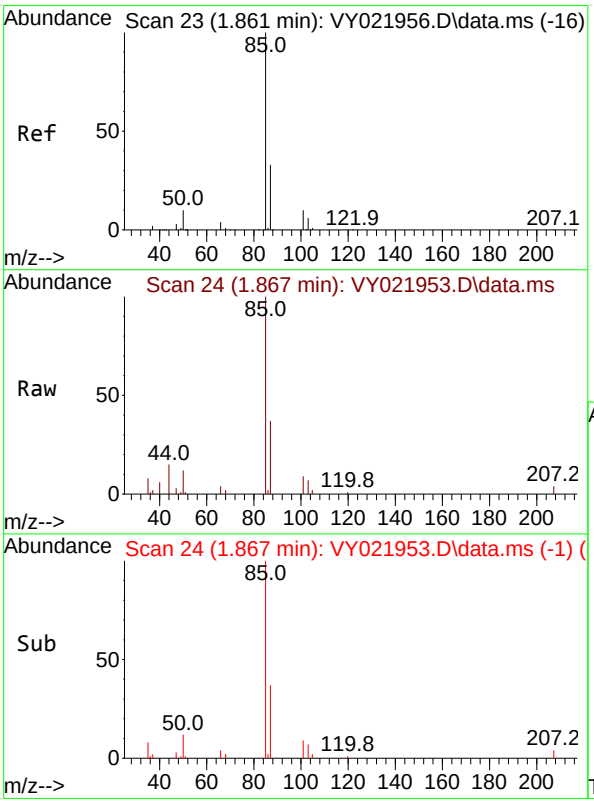
Ion	Ratio	Lower	Upper
168	100		
99	54.2	43.1	64.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

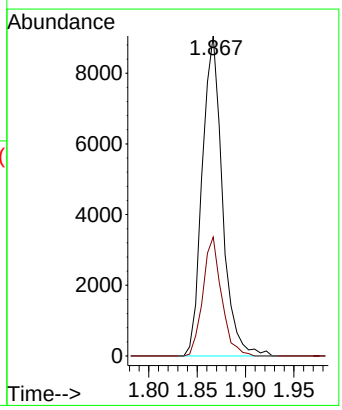


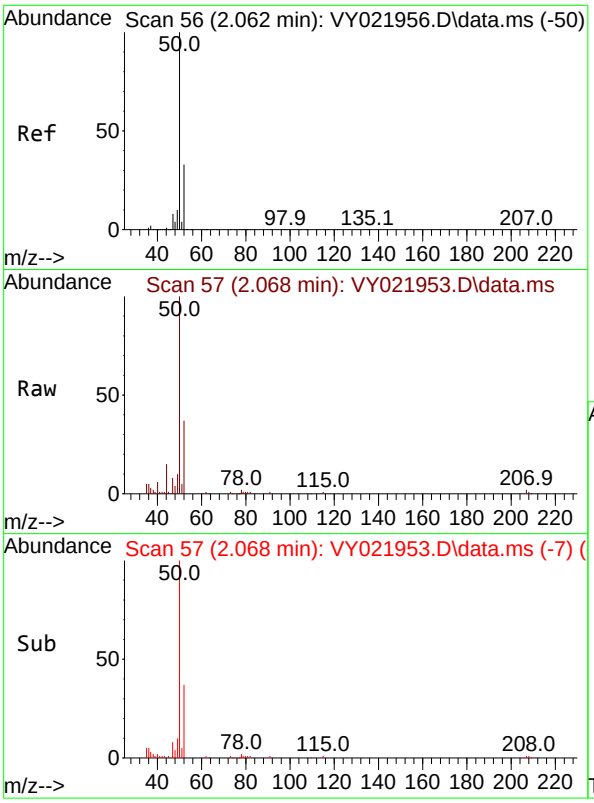


#2
Dichlorodifluoromethane
Concen: 5.503 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 85 Resp: 13157

Ion	Ratio	Lower	Upper
85	100		
87	37.1	16.6	49.7

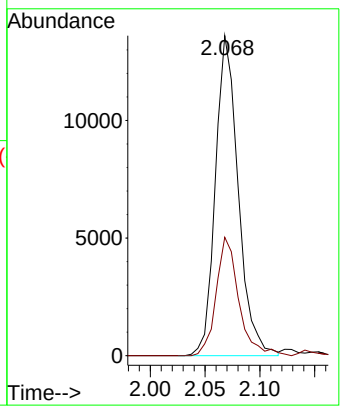




#3
Chloromethane
Concen: 5.803 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 50 Resp: 1975

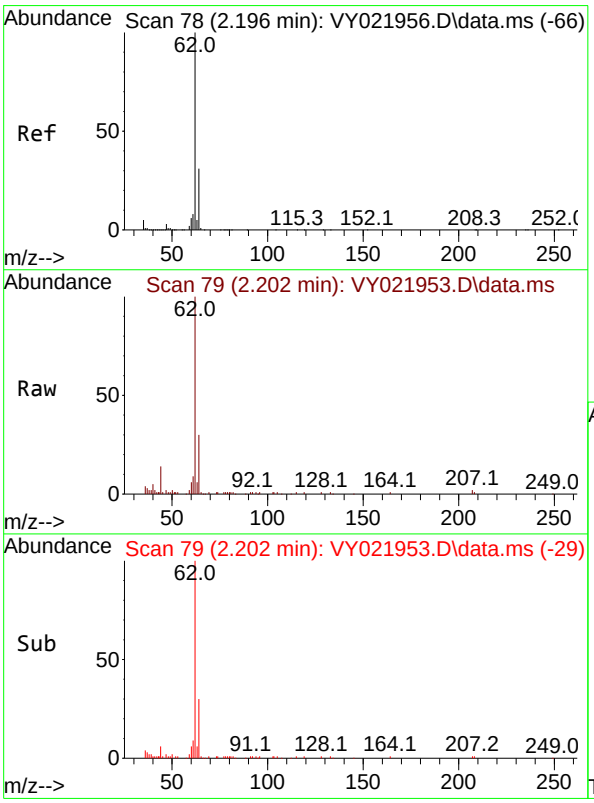
Ion	Ratio	Lower	Upper
50	100		
52	37.0	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

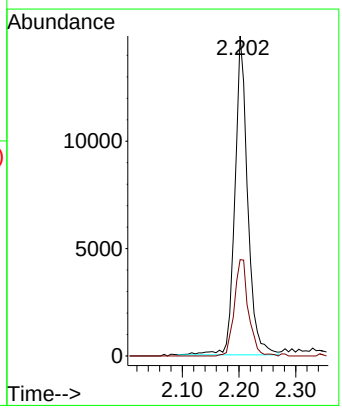
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

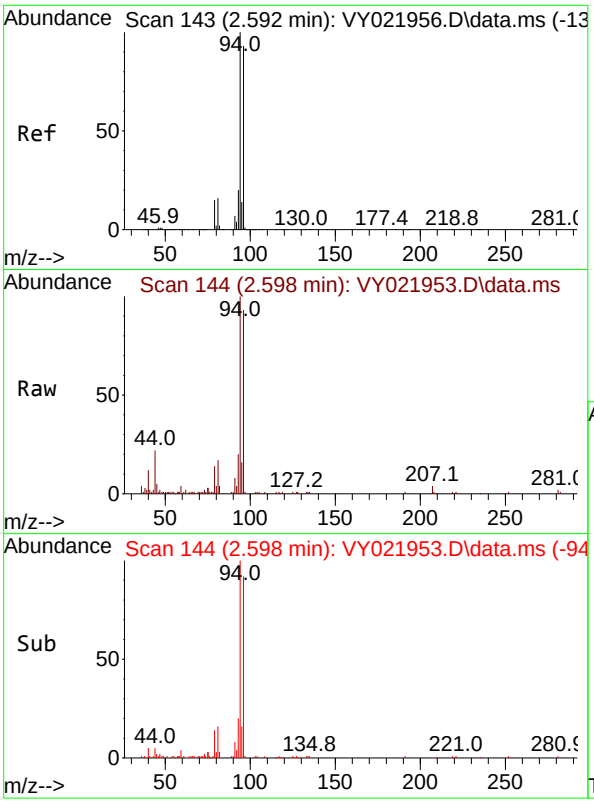


#4
Vinyl Chloride
Concen: 5.560 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 62 Resp: 23262

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.1	37.7

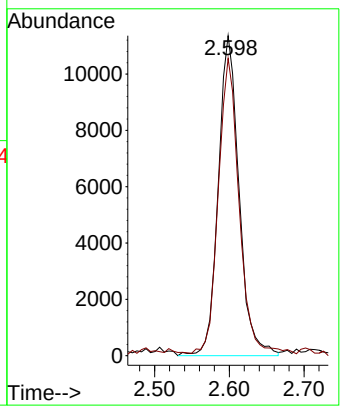




#5
Bromomethane
Concen: 6.091 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 94 Resp: 2195(

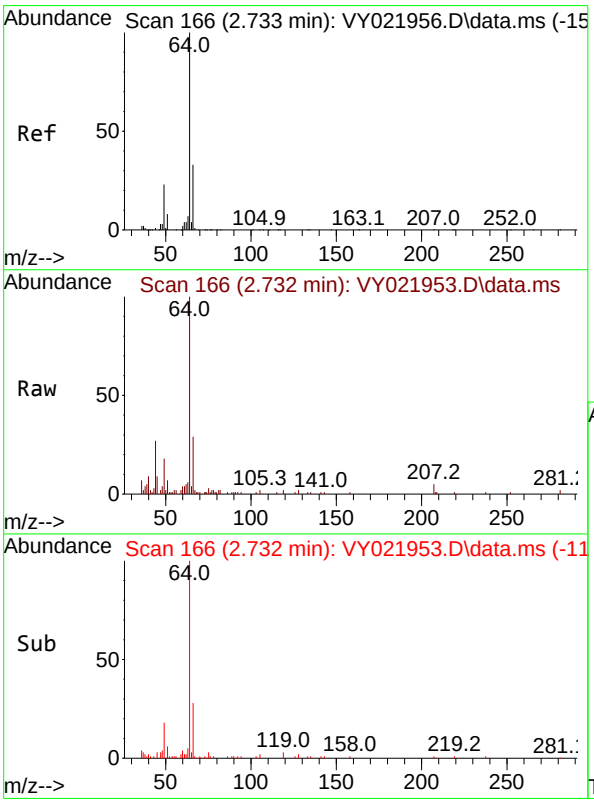
Ion	Ratio	Lower	Upper
94	100		
96	91.9	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

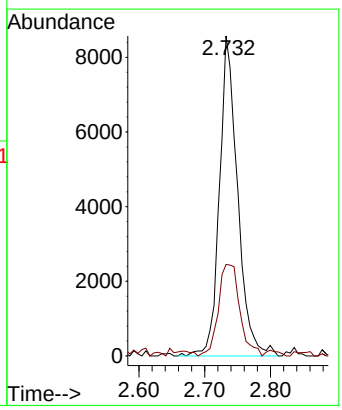
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

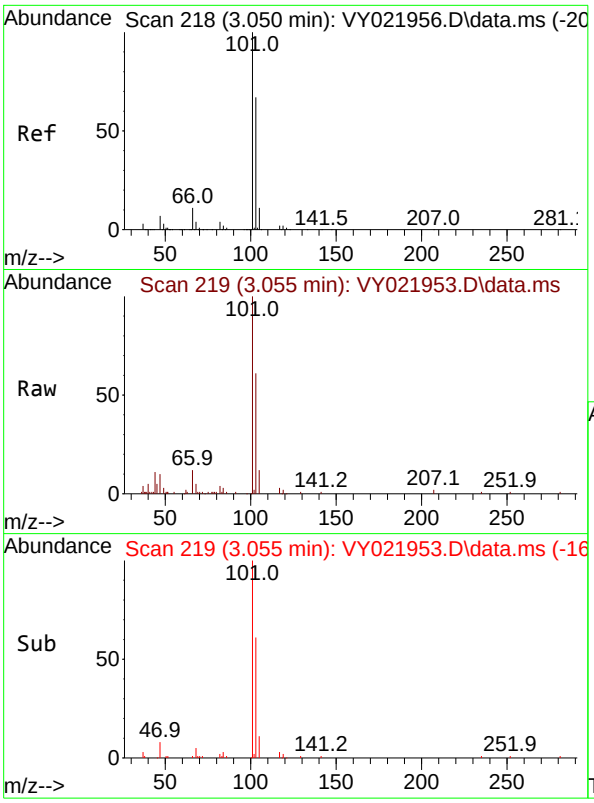


#6
Chloroethane
Concen: 5.800 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 64 Resp: 16527

Ion	Ratio	Lower	Upper
64	100		
66	27.3	26.2	39.4

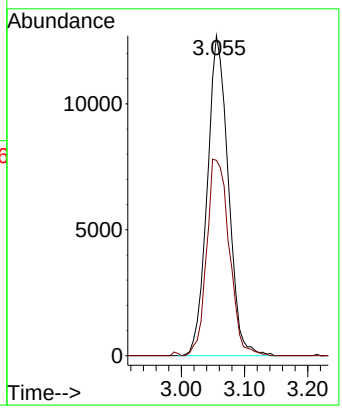




#7
Trichlorofluoromethane
Concen: 5.329 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:101 Resp: 2939

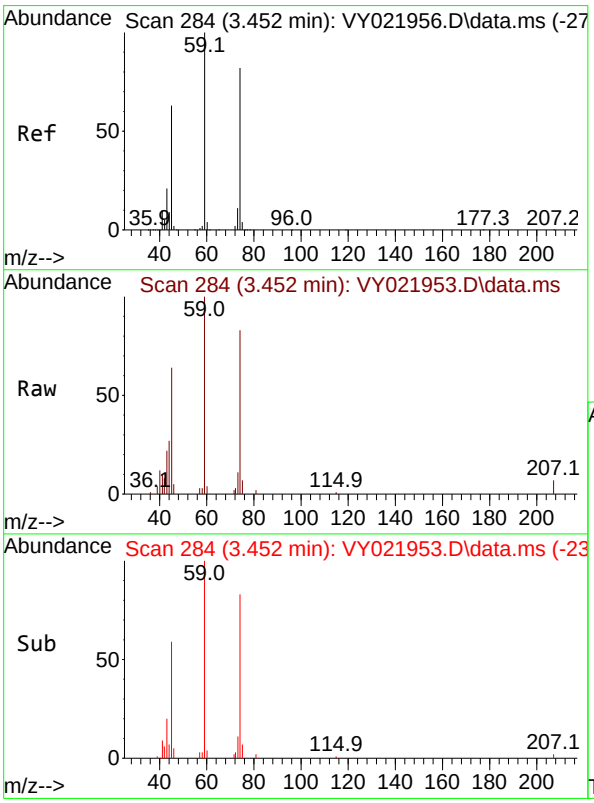
Ion	Ratio	Lower	Upper
101	100		
103	61.1	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

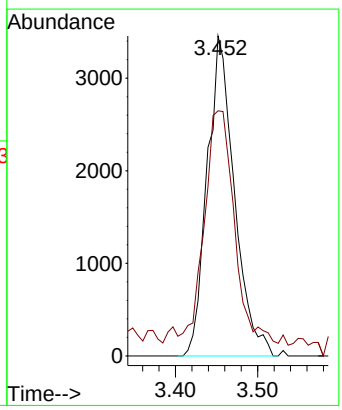
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

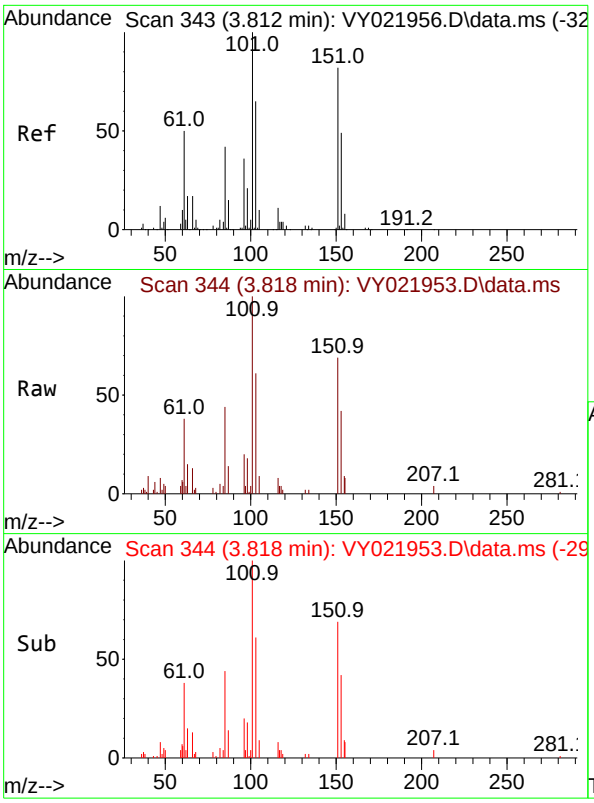


#8
Diethyl Ether
Concen: 5.536 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 74 Resp: 7949

Ion	Ratio	Lower	Upper
74	100		
45	83.9	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.667 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

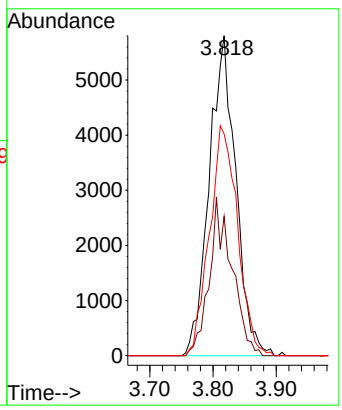
Tgt Ion:101 Resp: 1695

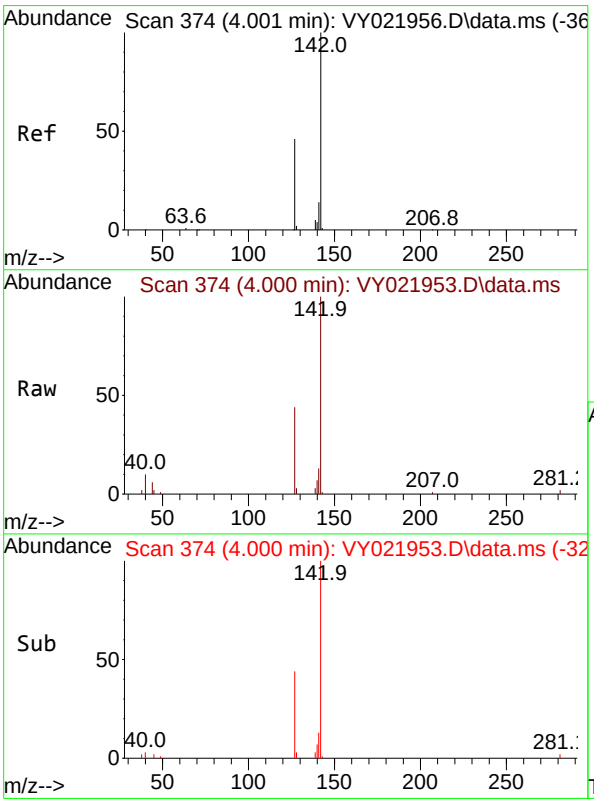
Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.6	51.8
151	75.9	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

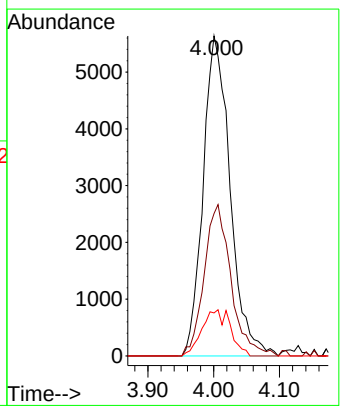


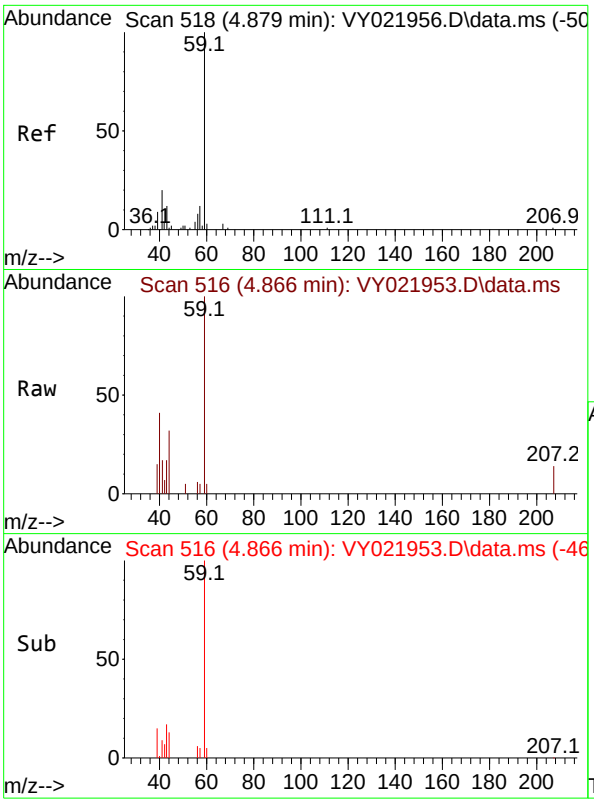


#10
Methyl Iodide
Concen: 4.638 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:142 Resp: 16072

Ion	Ratio	Lower	Upper
142	100		
127	47.1	36.2	54.2
141	15.3	11.7	17.5

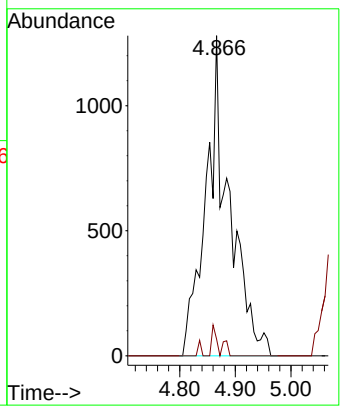




#11
Tert butyl alcohol
Concen: 26.192 ug/l m
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 59 Resp: 372

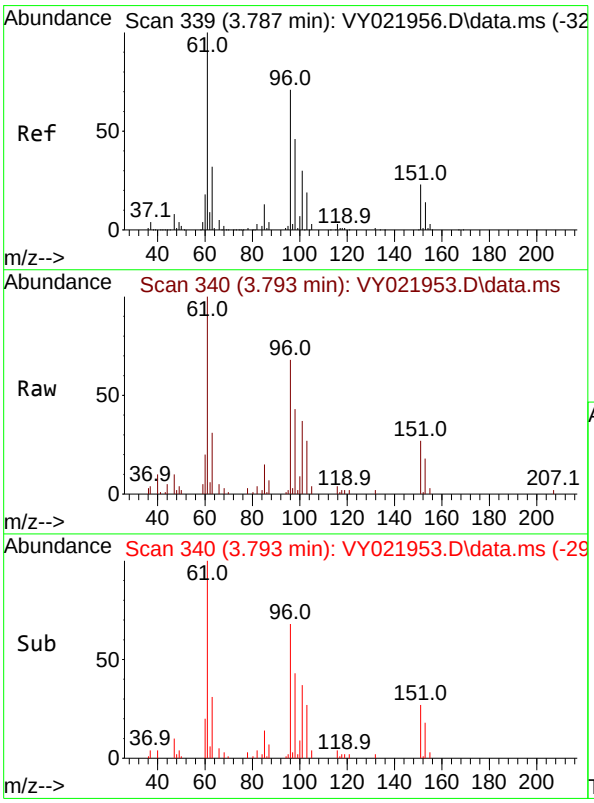
Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

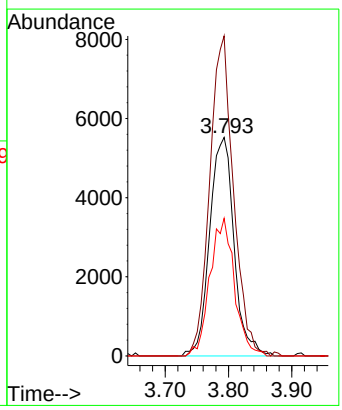
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

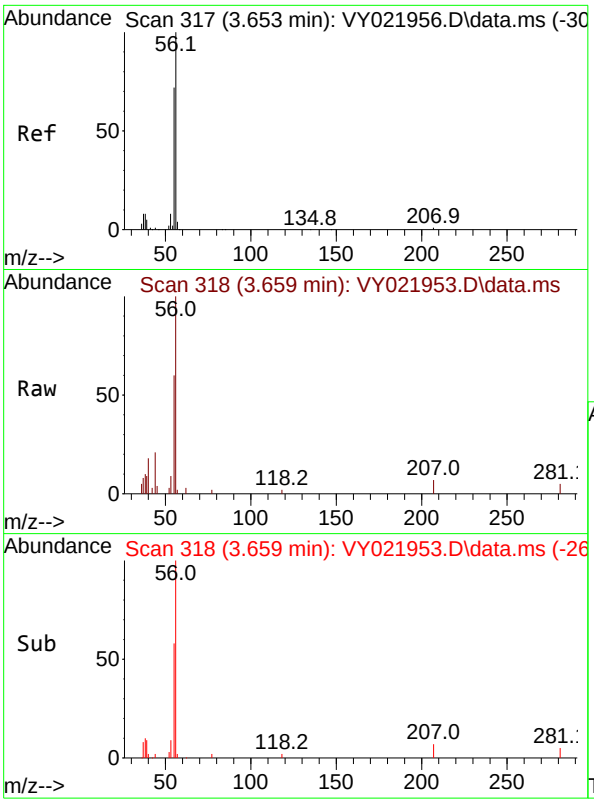


#12
1,1-Dichloroethene
Concen: 5.285 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 96 Resp: 14742

Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.0	169.4
98	63.0	51.4	77.2

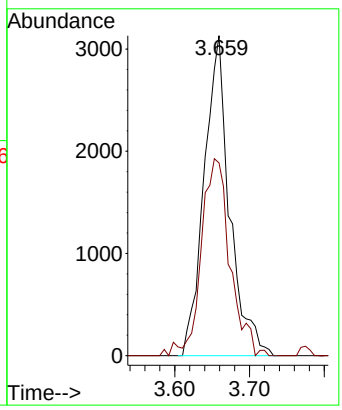




#13
Acrolein
Concen: 29.049 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 56 Resp: 741

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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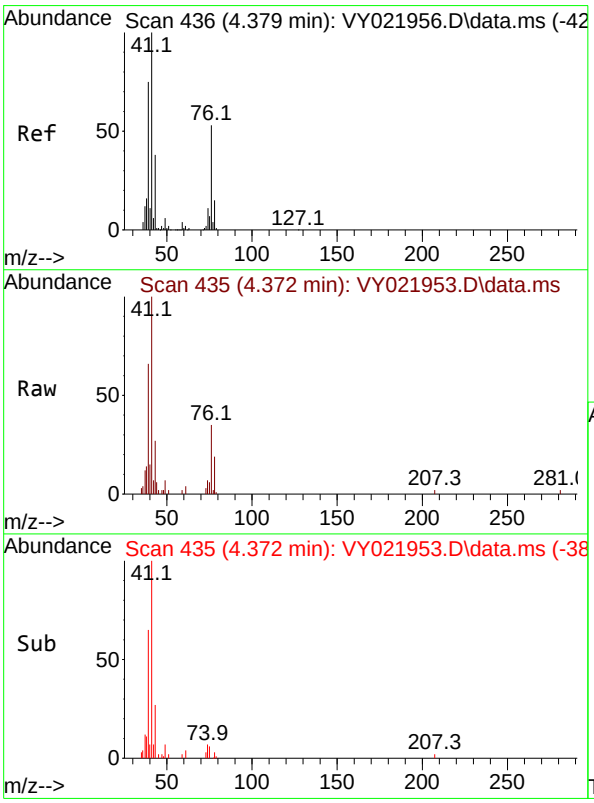
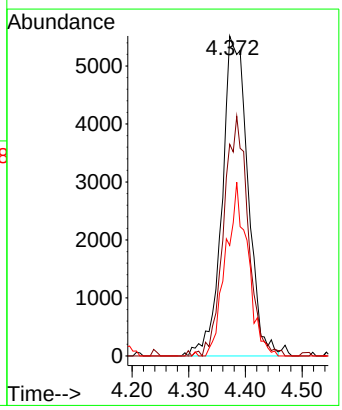
Supervised By :Mahesh Dadoda 04/23/2025

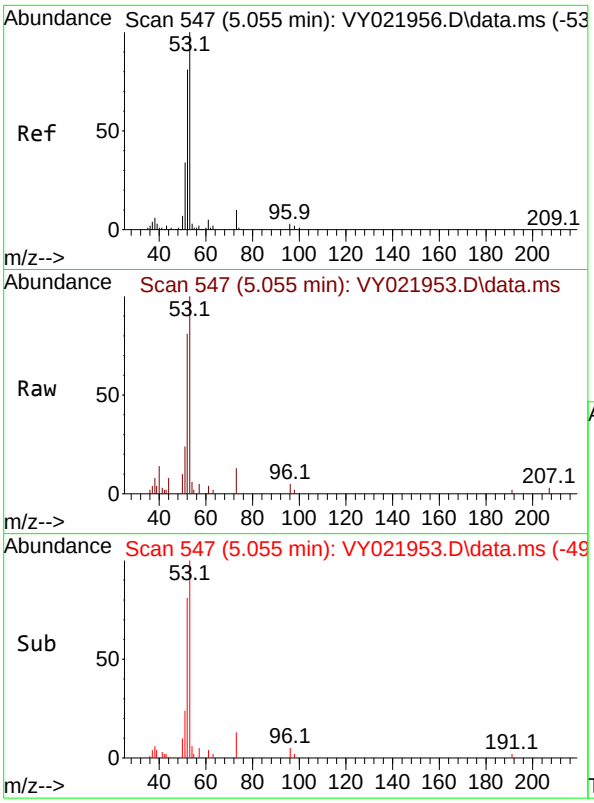


#14
Allyl chloride
Concen: 5.352 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 41 Resp: 17385

Ion	Ratio	Lower	Upper
41	100		
39	71.1	57.2	85.8
76	46.9	39.7	59.5





#15
Acrylonitrile
Concen: 27.514 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 53 Resp: 1446

Ion	Ratio	Lower	Upper
53	100		
52	77.8	65.0	97.6
51	36.6	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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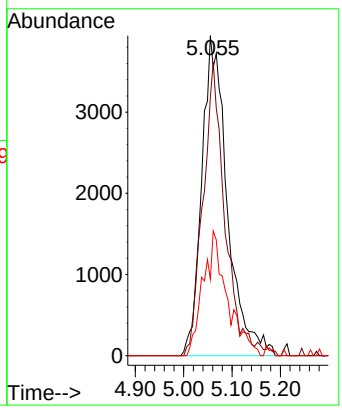
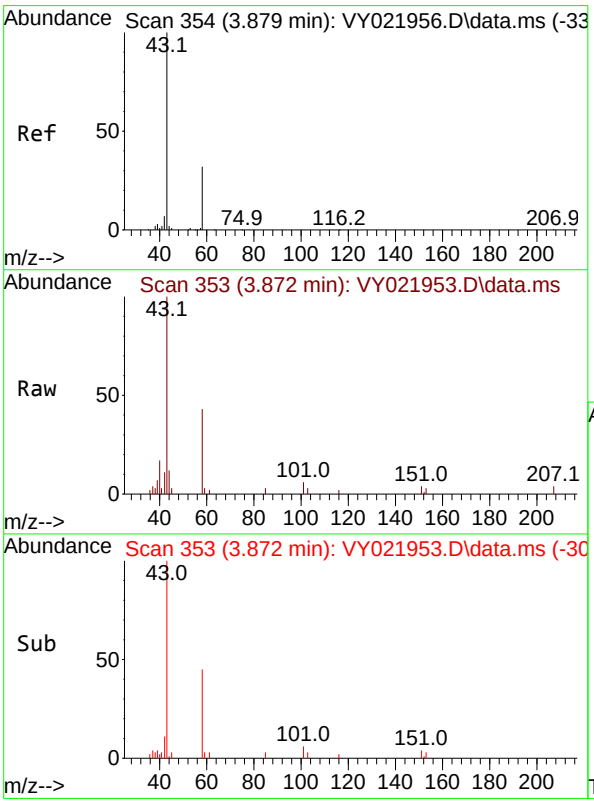
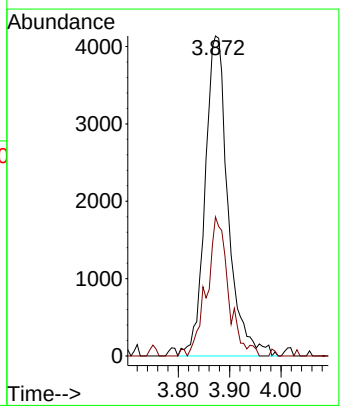


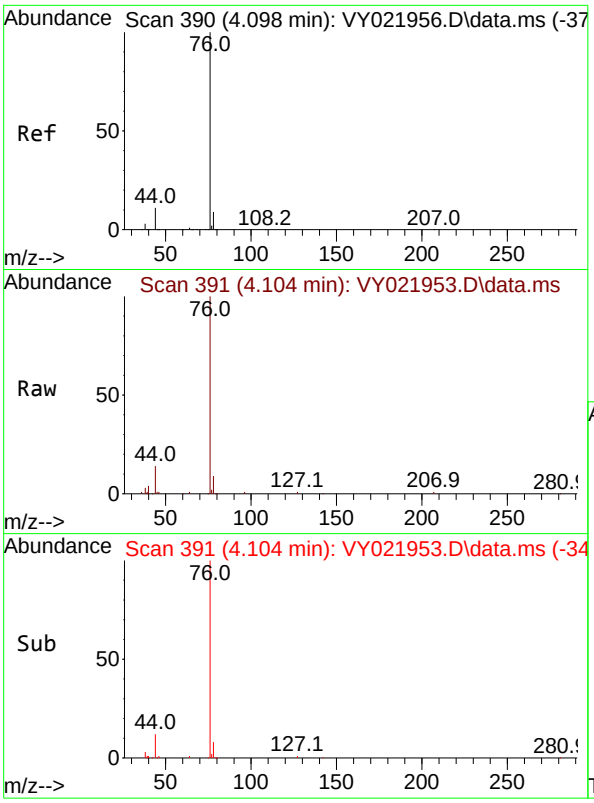


#16
Acetone
Concen: 18.039 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 12844

Ion	Ratio	Lower	Upper
43	100		
58	43.5	27.0	40.4#





#17
Carbon Disulfide
Concen: 5.475 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 76 Resp: 4870

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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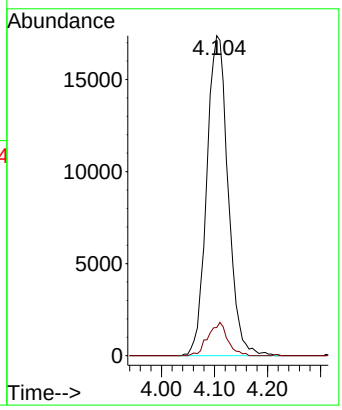
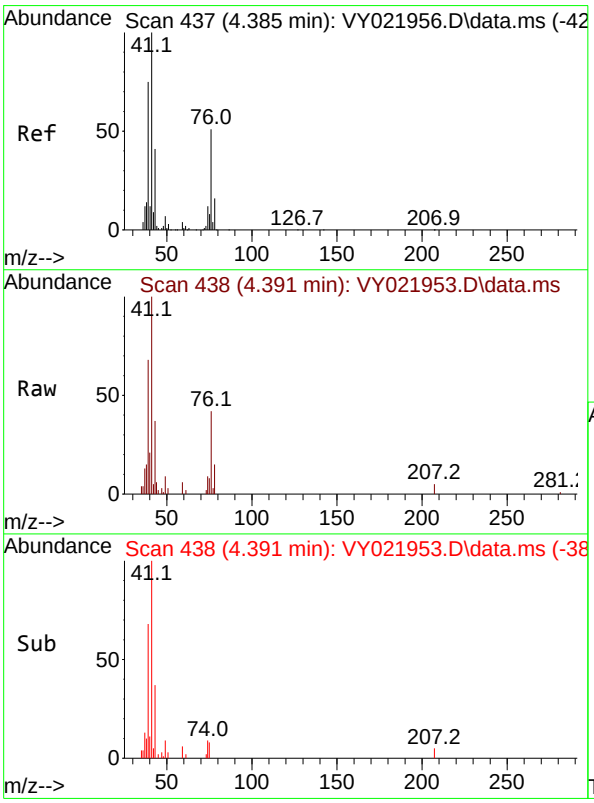
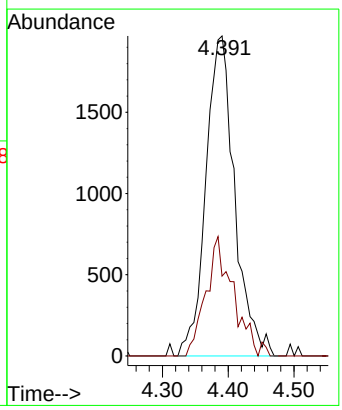


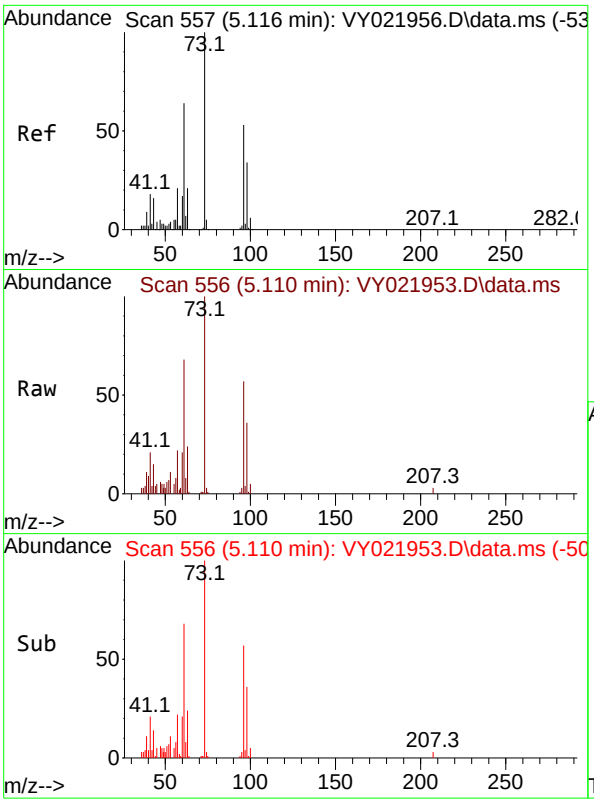


#18
Methyl Acetate
Concen: 4.951 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 5994

Ion	Ratio	Lower	Upper
43	100		
74	34.8	24.2	36.4

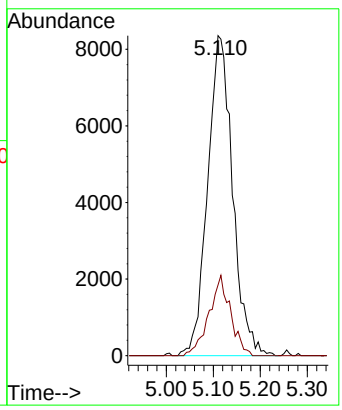




#19
Methyl tert-butyl Ether
Concen: 4.936 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 73 Resp: 3081

Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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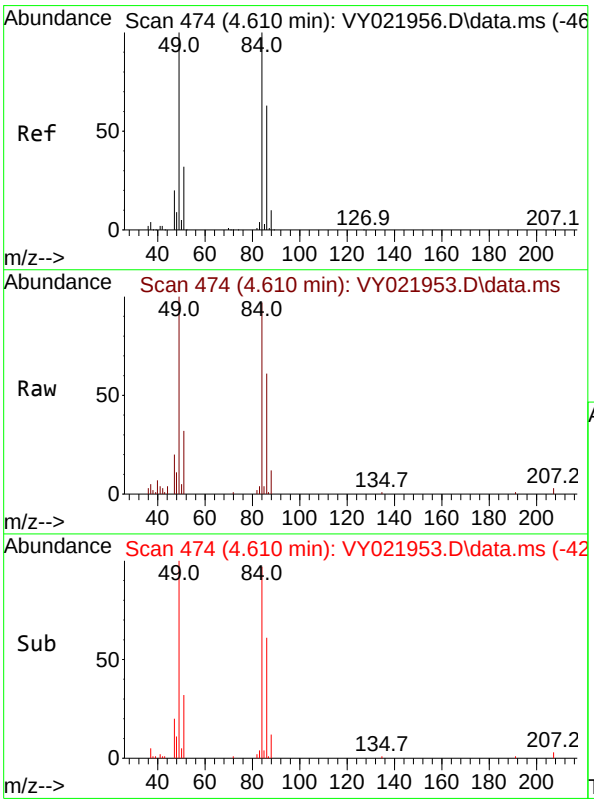
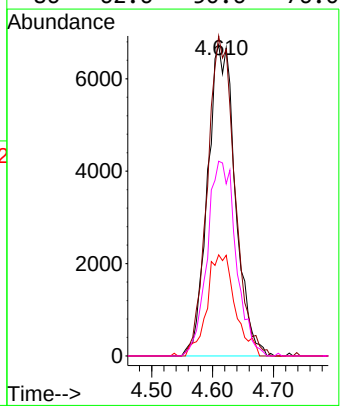
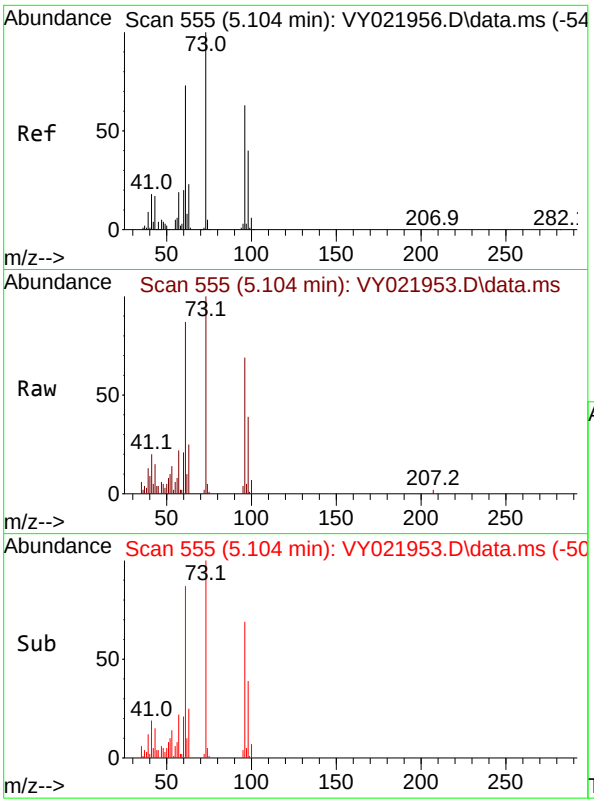


#20
Methylene Chloride
Concen: 6.502 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 84 Resp: 21309

Ion	Ratio	Lower	Upper
84	100		
49	102.8	79.9	119.9
51	32.5	25.4	38.0
86	62.6	50.6	76.0





#21
trans-1,2-Dichloroethene
Concen: 5.556 ug/l
RT: 5.104 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 96 Resp: 1735

Ion	Ratio	Lower	Upper
96	100		
61	124.5	92.6	138.8
98	55.8	50.2	75.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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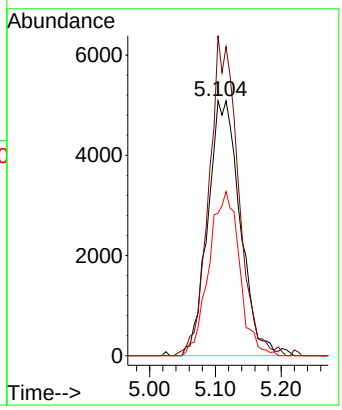
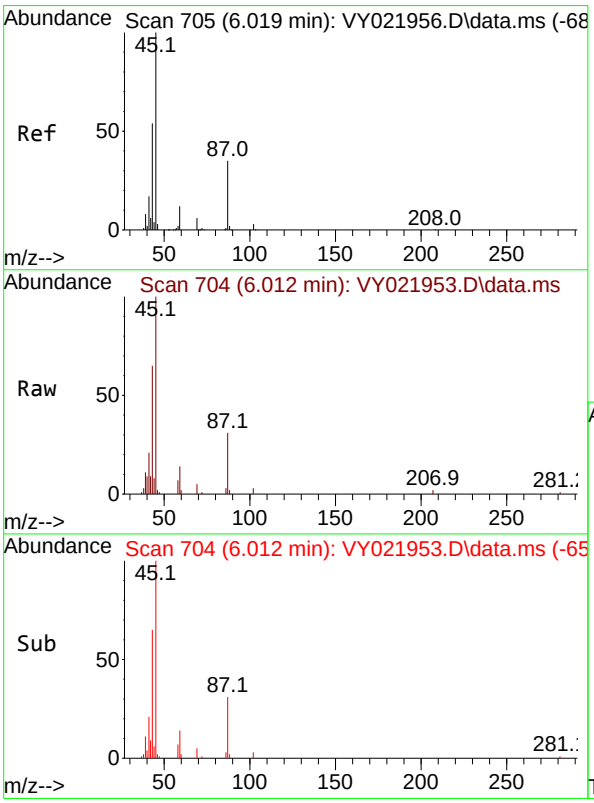
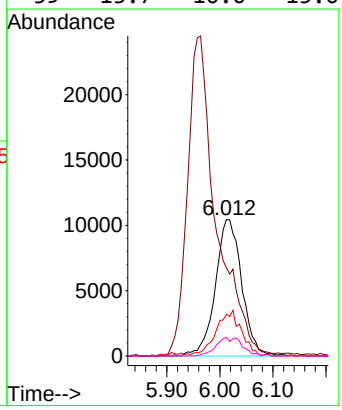


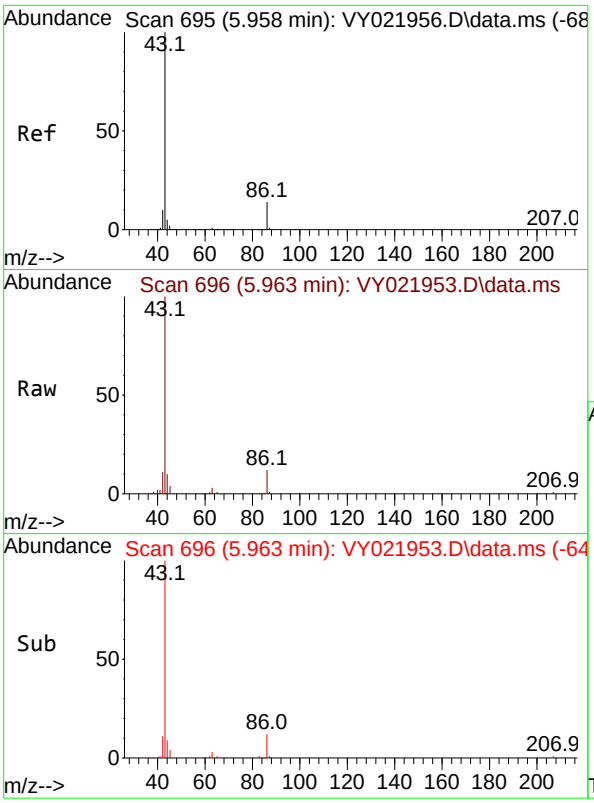


#22
Diisopropyl ether
Concen: 4.975 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 45 Resp: 35963

Ion	Ratio	Lower	Upper
45	100		
43	62.5	43.6	65.4
87	30.5	28.2	42.4
59	13.7	10.0	15.0





#23
Vinyl Acetate
Concen: 23.655 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 9215

Ion	Ratio	Lower	Upper
43	100		
86	11.9	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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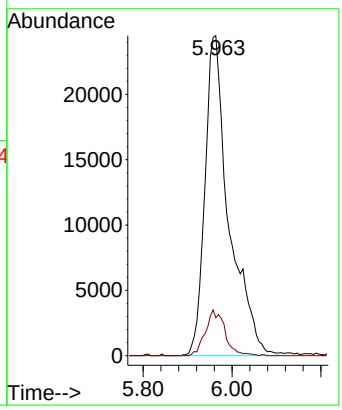
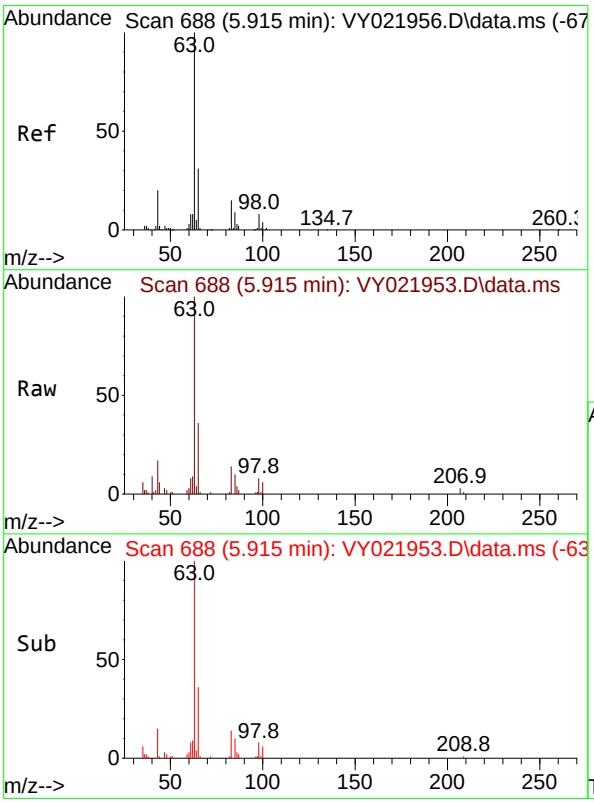
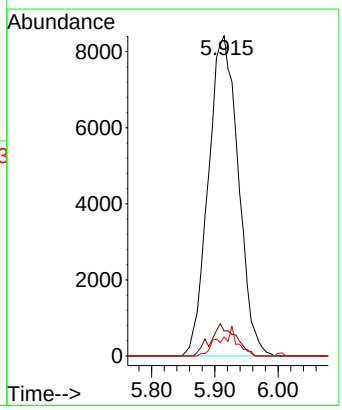


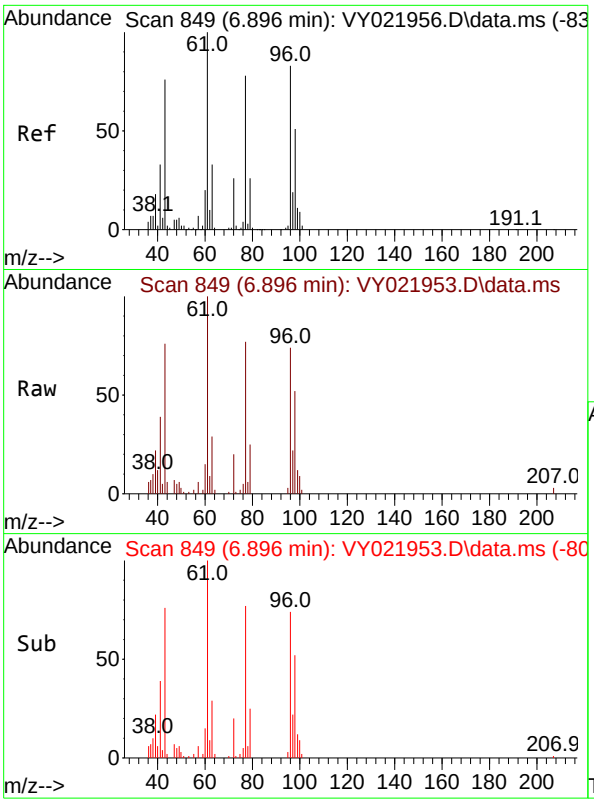


#24
1,1-Dichloroethane
Concen: 5.529 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 63 Resp: 27705

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	5.9	2.0	6.0





#25
2-Butanone
Concen: 26.449 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 1562

Ion	Ratio	Lower	Upper
43	100		
72	26.2	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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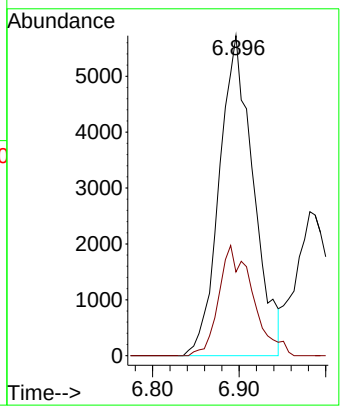
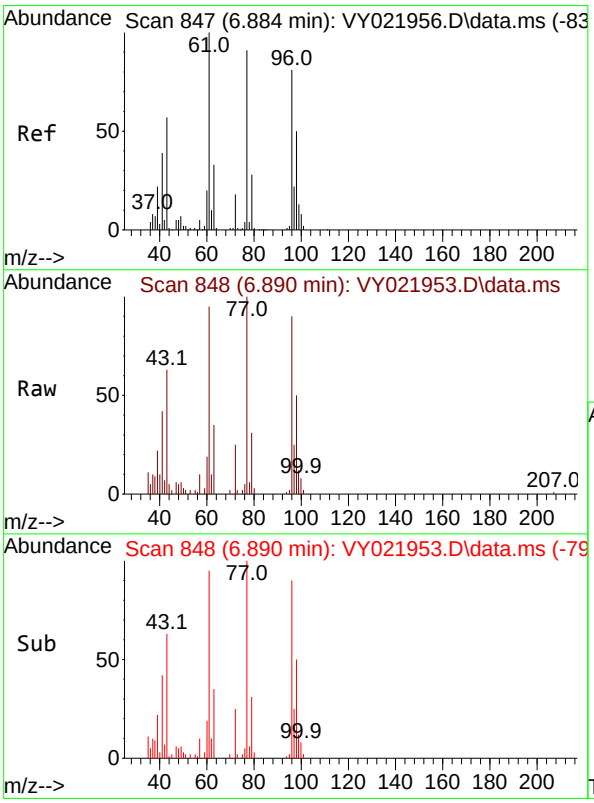
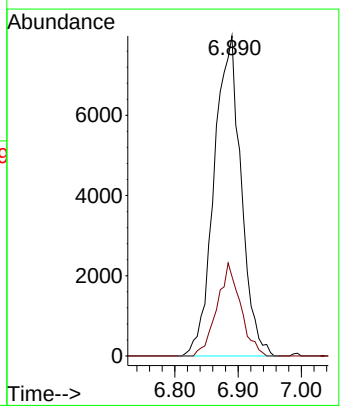


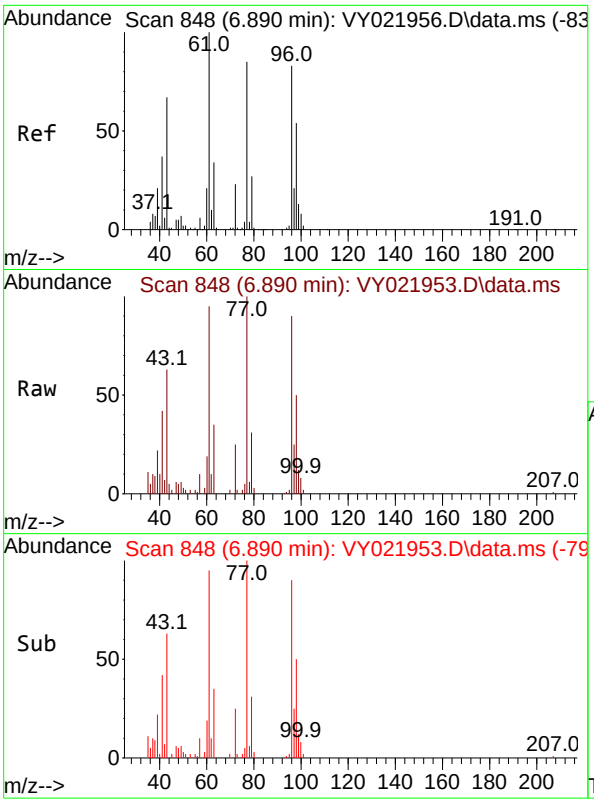


#26
2,2-Dichloropropane
Concen: 5.373 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 77 Resp: 23594

Ion	Ratio	Lower	Upper
77	100		
97	25.3	12.4	37.4

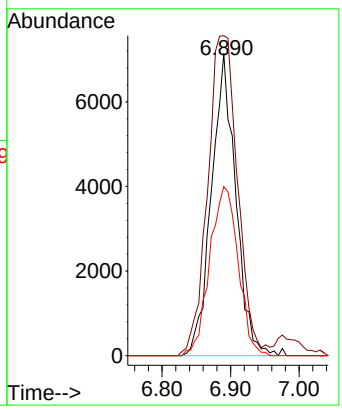




#27
cis-1,2-Dichloroethene
Concen: 5.029 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 96 Resp: 1756

Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	251.4
98	65.6	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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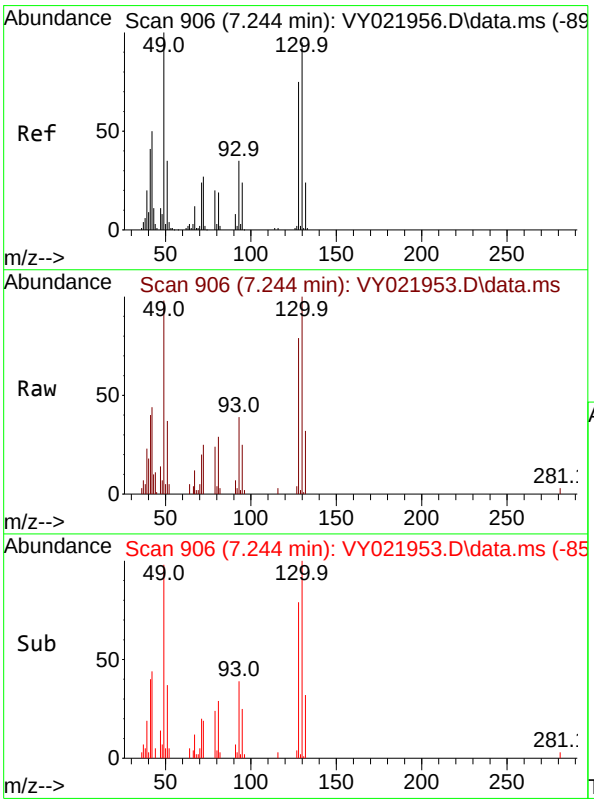
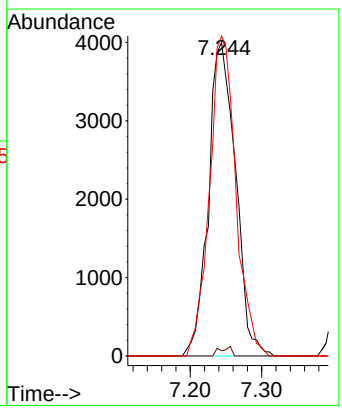
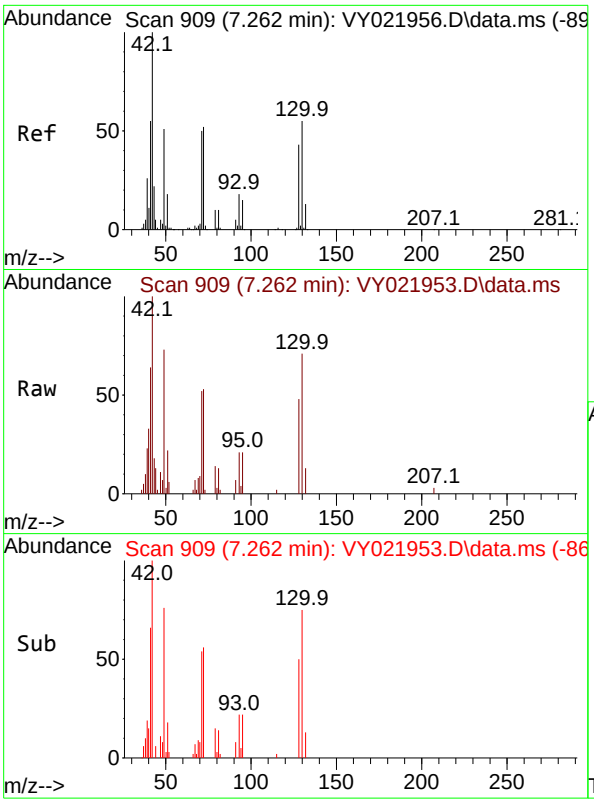


#28
Bromochloromethane
Concen: 5.416 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 49 Resp: 10541

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.0
130	99.5	78.2	117.4





#29
Tetrahydrofuran
Concen: 24.559 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 42 Resp: 942

Ion	Ratio	Lower	Upper
42	100		
72	50.4	42.6	63.8
71	49.4	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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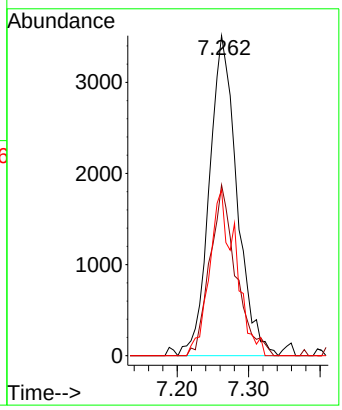
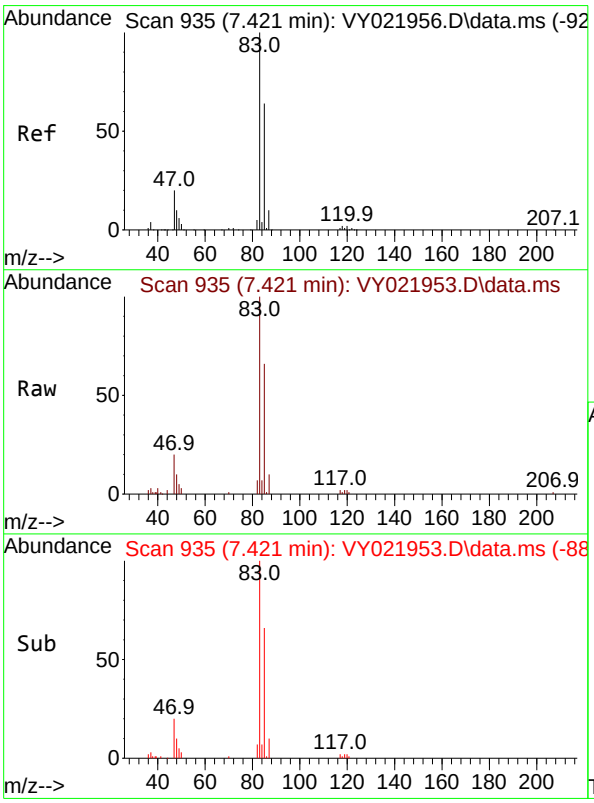
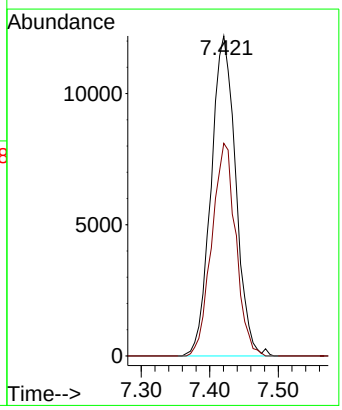


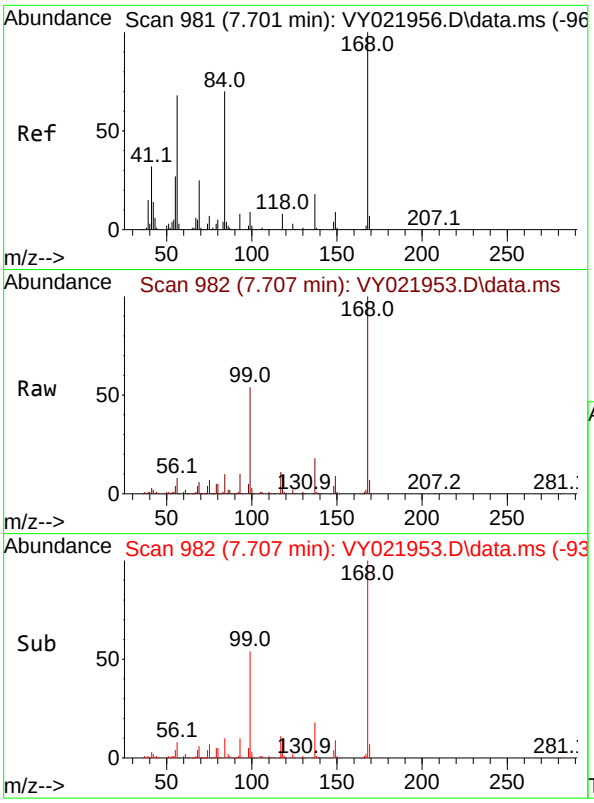


#30
Chloroform
Concen: 5.473 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 83 Resp: 30418

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9





#31
Cyclohexane
Concen: 5.472 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 56 Resp: 2344

Ion	Ratio	Lower	Upper
56	100		
69	67.3	29.4	44.2
84	116.5	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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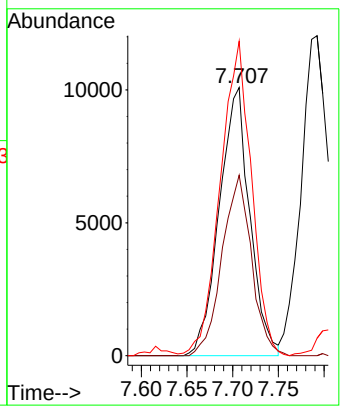
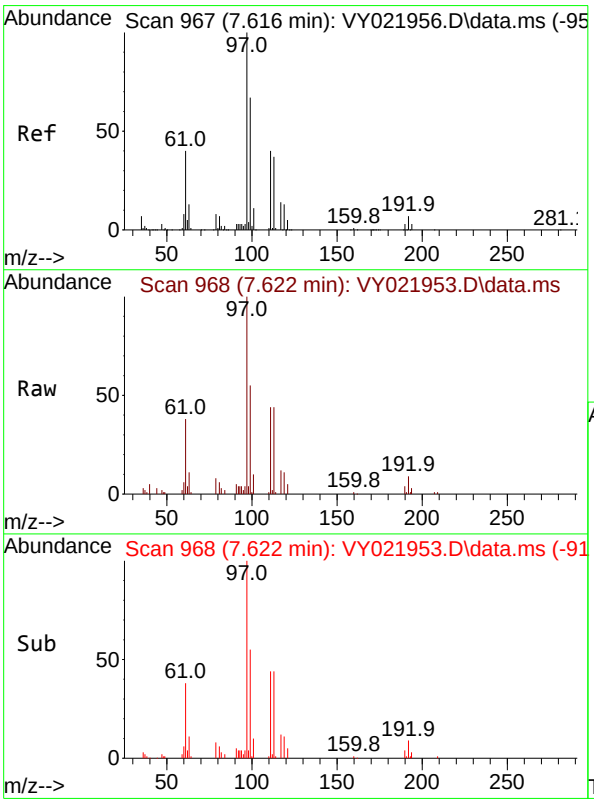
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

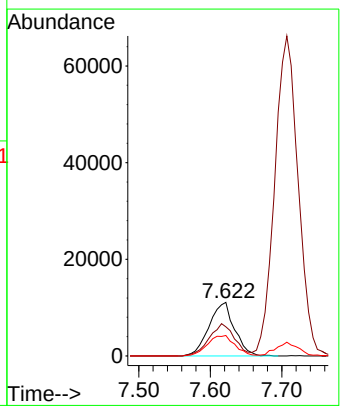


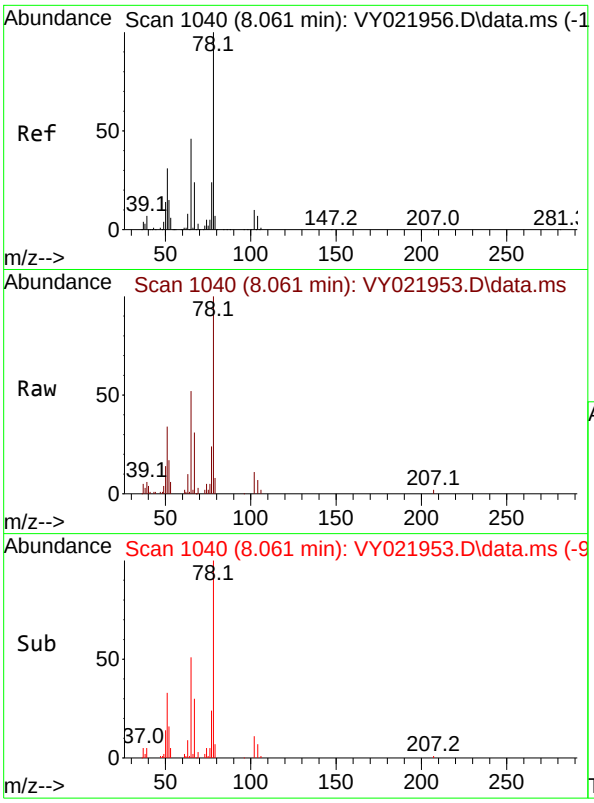


#32
1,1,1-Trichloroethane
Concen: 5.424 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 97 Resp: 27271

Ion	Ratio	Lower	Upper
97	100		
99	61.0	51.4	77.2
61	41.6	31.4	47.2

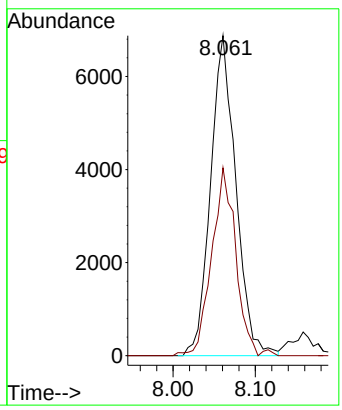




#33
1,2-Dichloroethane-d4
Concen: 5.679 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 65 Resp: 1471

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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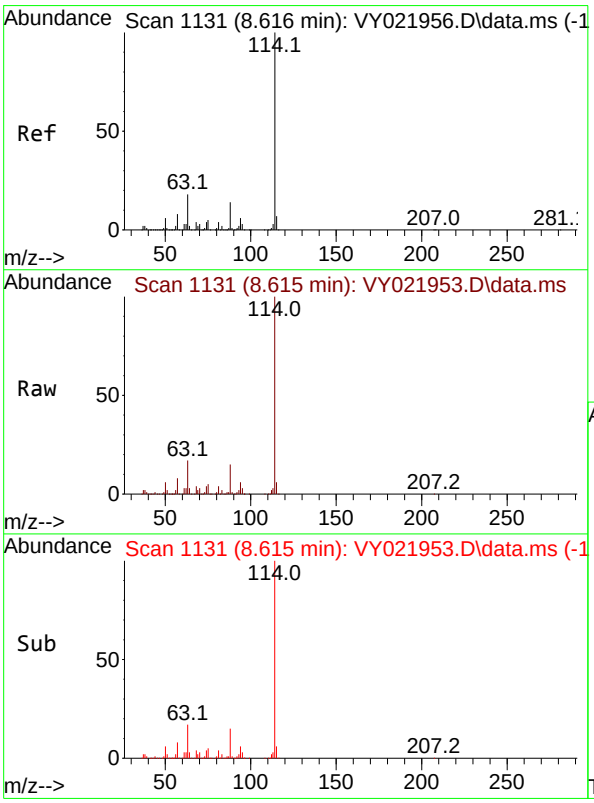
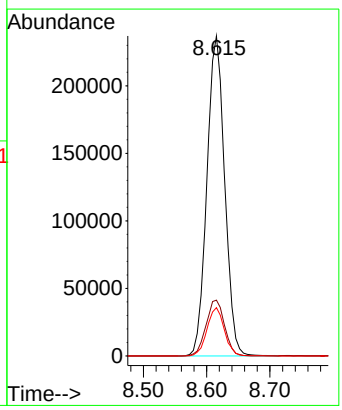
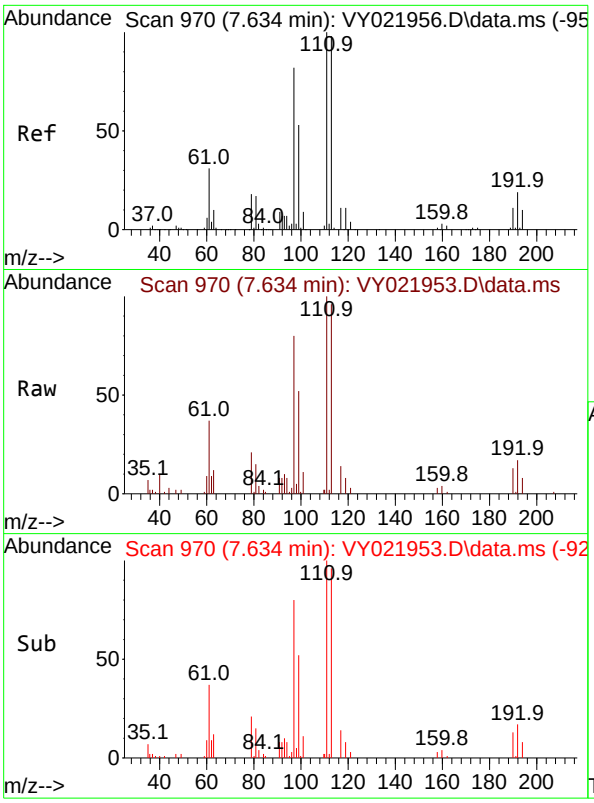


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:114 Resp: 462995

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.4
88	15.1	0.0	28.2

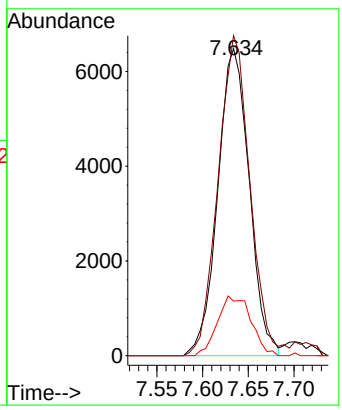




#35
Dibromofluoromethane
Concen: 5.073 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:113 Resp: 1551

Ion	Ratio	Lower	Upper
113	100		
111	105.8	81.8	122.8
192	20.6	15.6	23.4



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ClientSampleId :
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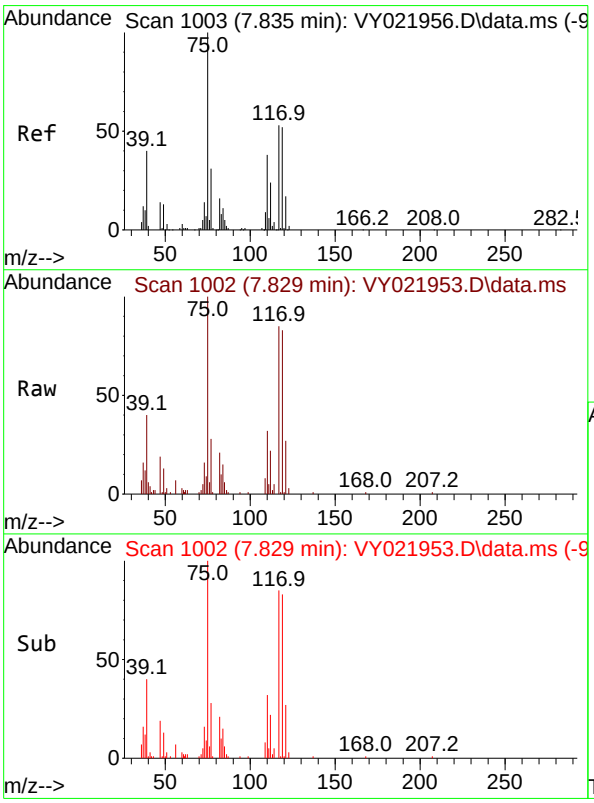
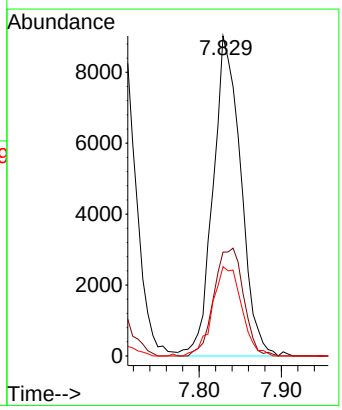
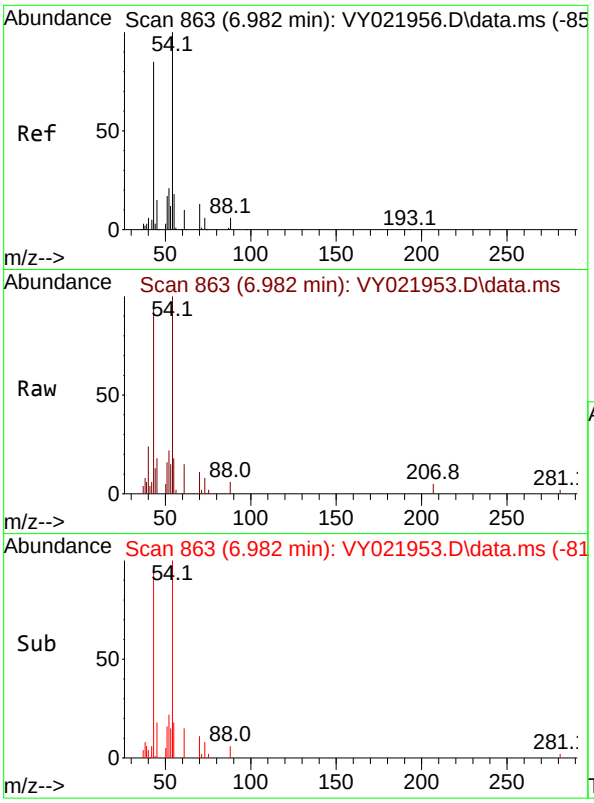


#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 21076

Ion	Ratio	Lower	Upper
75	100		
110	36.0	19.1	57.3
77	29.4	25.5	38.3

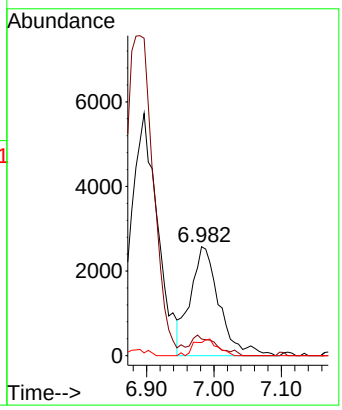




#37
Ethyl Acetate
Concen: 5.283 ug/l m
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 769

Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.8	20.6
70	12.3	9.2	13.8



Instrument :
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ClientSampleId :
VSTDICC005

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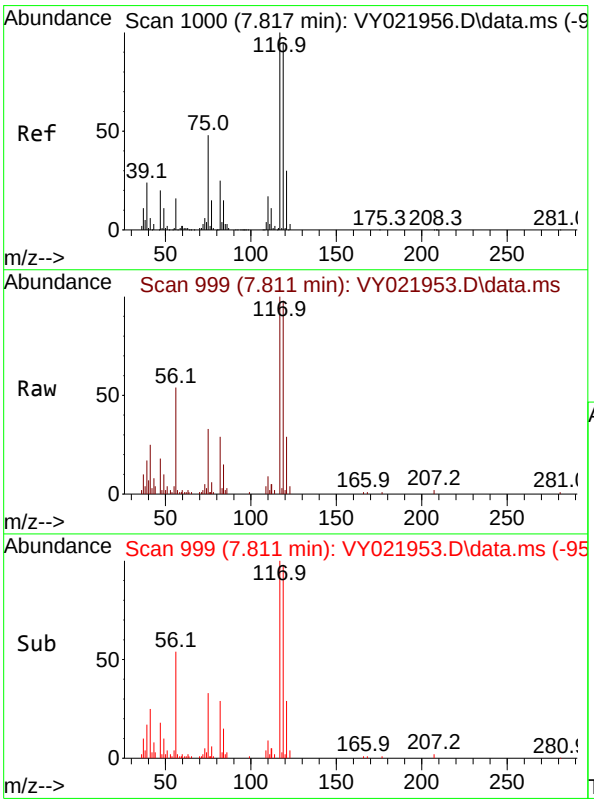
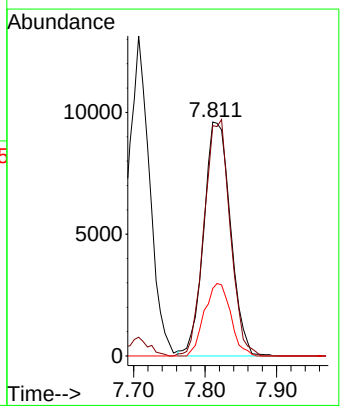
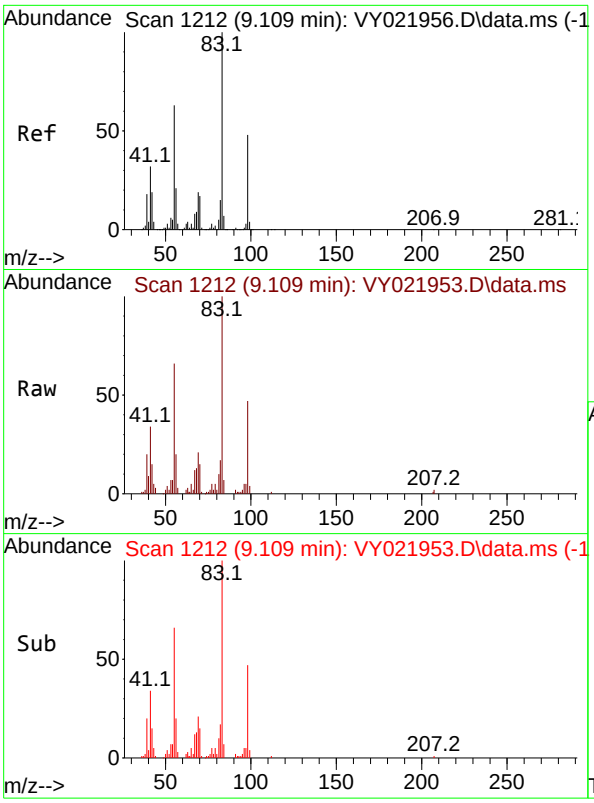


#38
Carbon Tetrachloride
Concen: 5.095 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:117 Resp: 25016

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.4
121	28.9	24.0	36.0





#39
Methylcyclohexane
Concen: 4.700 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 83 Resp: 2430

Ion	Ratio	Lower	Upper
83	100		
55	65.8	50.6	75.8
98	47.2	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
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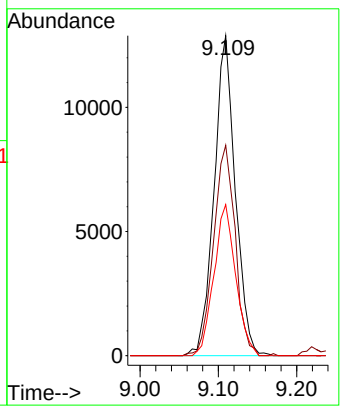
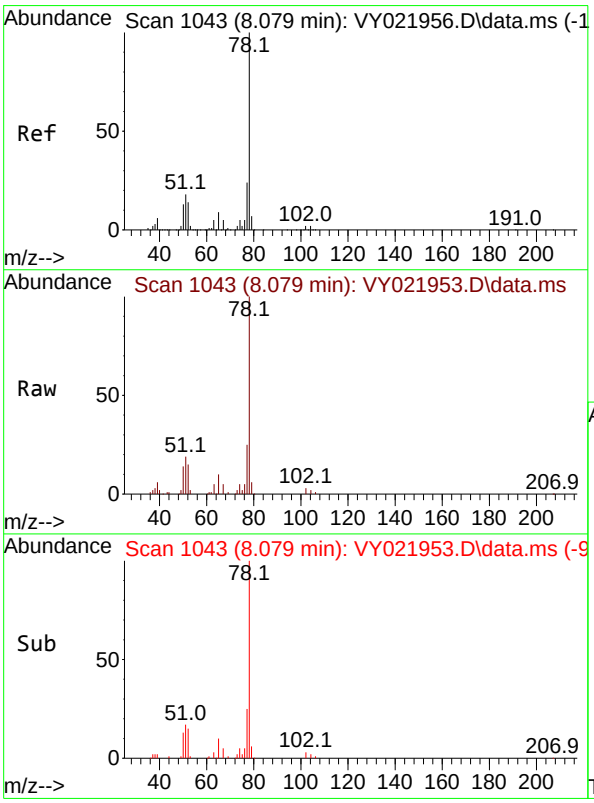
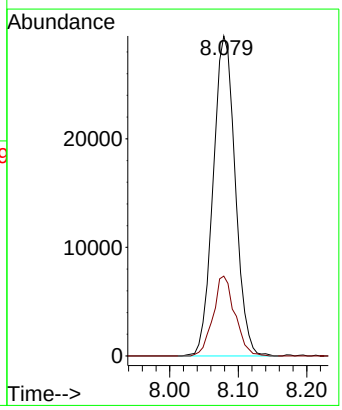


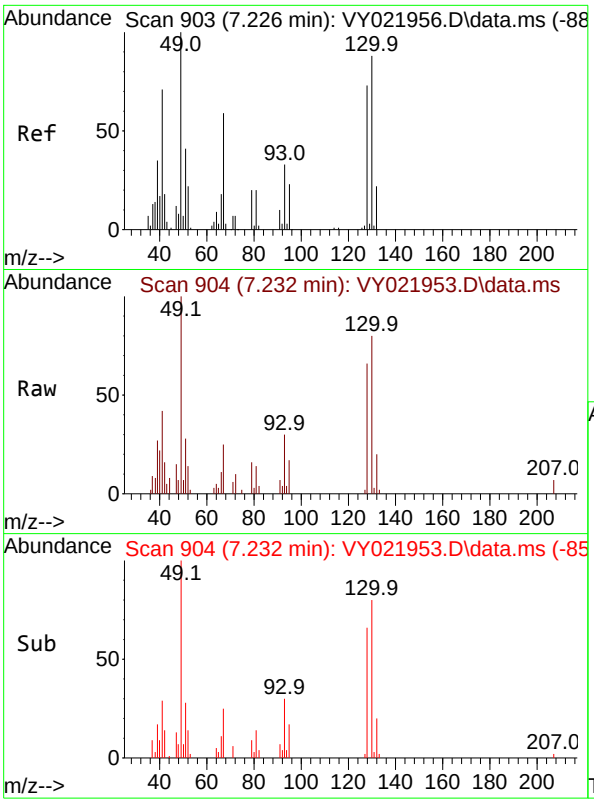


#40
Benzene
Concen: 5.129 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 78 Resp: 65878

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9

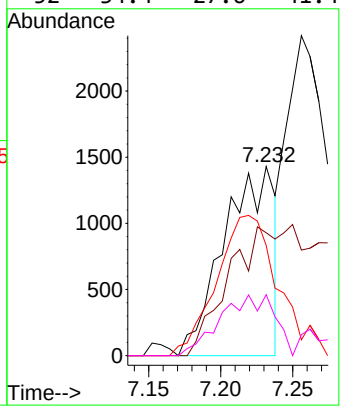




#41
Methacrylonitrile
Concen: 4.345 ug/l m
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 41 Resp: 350

Ion	Ratio	Lower	Upper
41	100		
39	63.9	36.6	55.0
67	89.8	72.2	108.4
52	34.4	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
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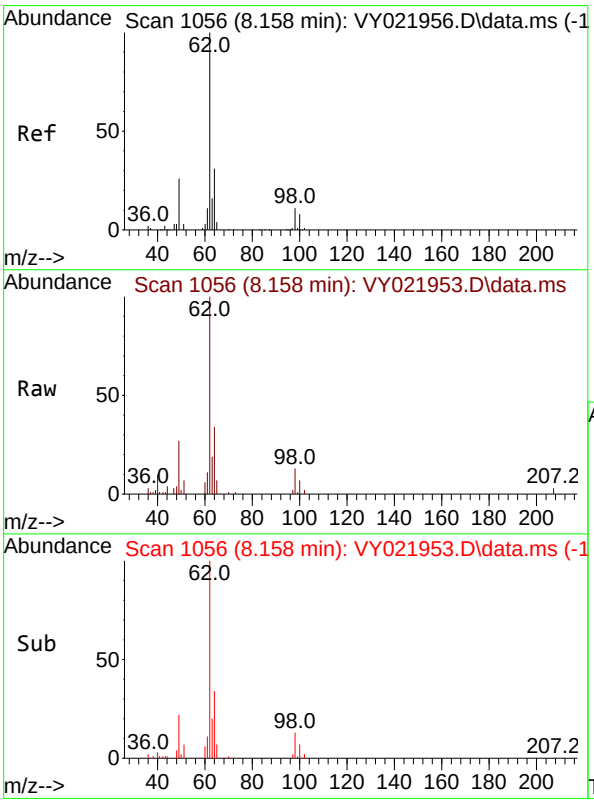
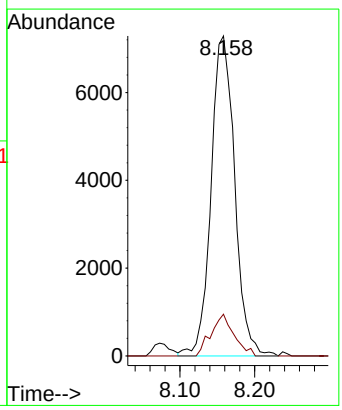
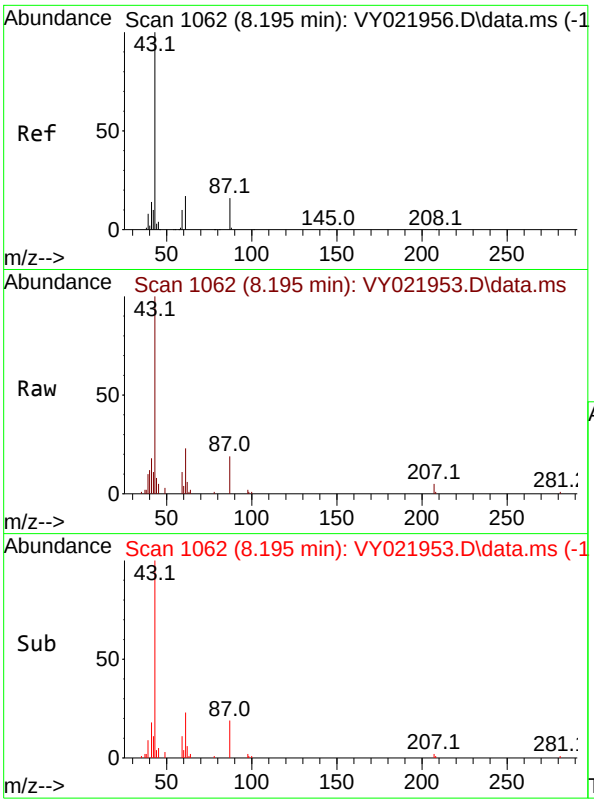


#42
1,2-Dichloroethane
Concen: 5.046 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 62 Resp: 16046

Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	22.0

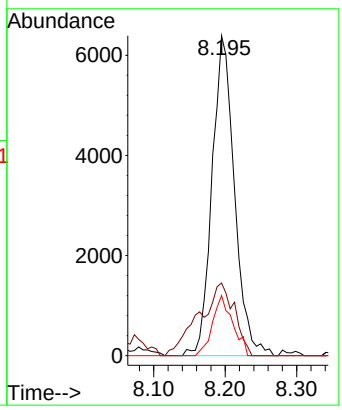




#43
Isopropyl Acetate
Concen: 4.919 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 1394

Ion	Ratio	Lower	Upper
43	100		
61	35.6	18.9	28.3#
87	16.8	13.7	20.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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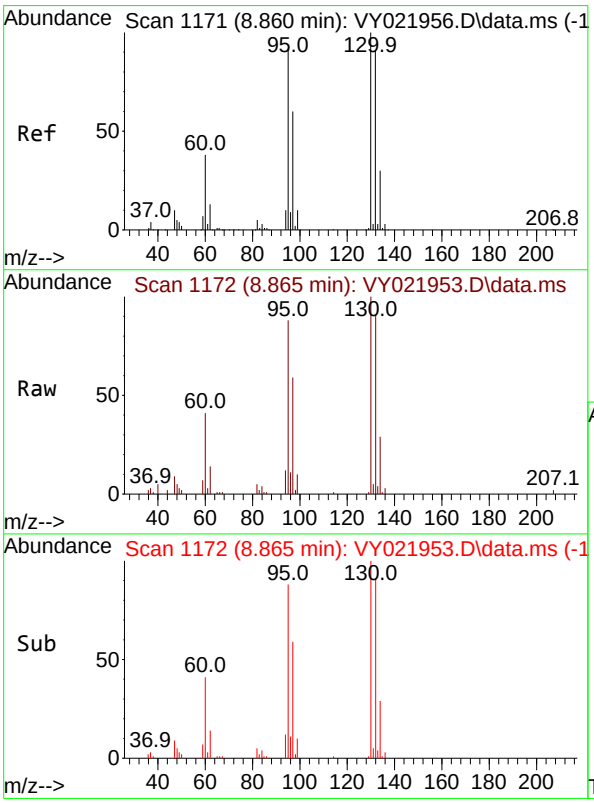
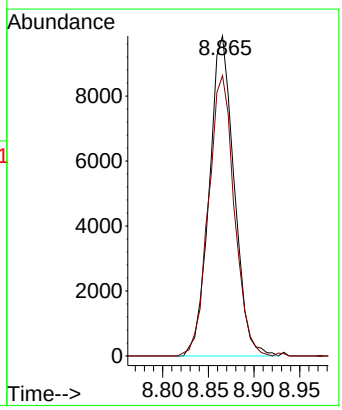
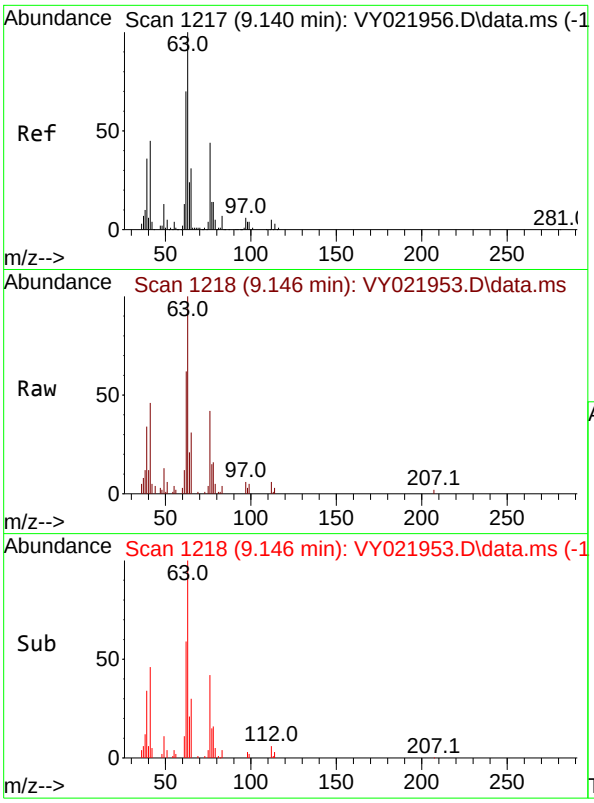


#44
Trichloroethene
Concen: 5.231 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:130 Resp: 18611

Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	183.2

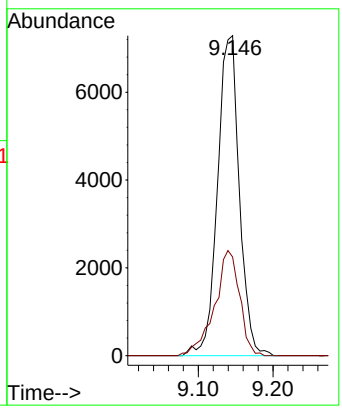




#45
1,2-Dichloropropane
Concen: 5.220 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 63 Resp: 1482

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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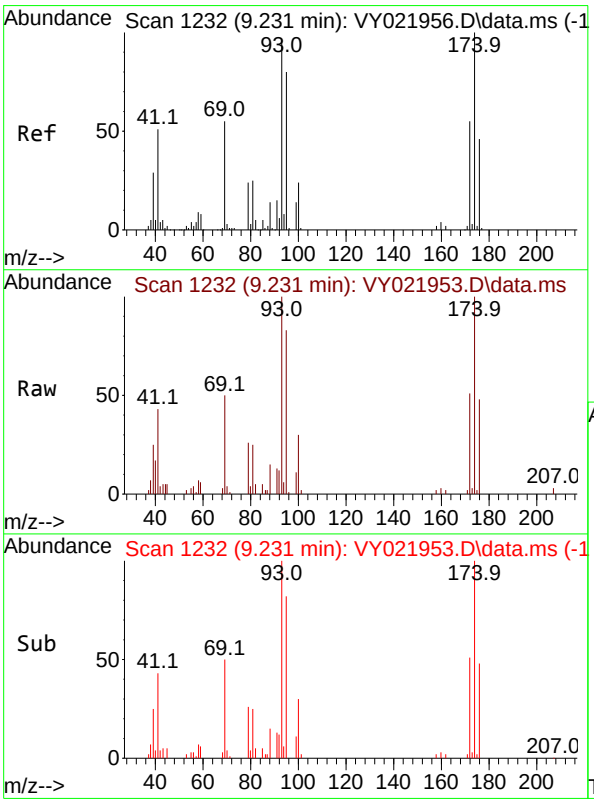
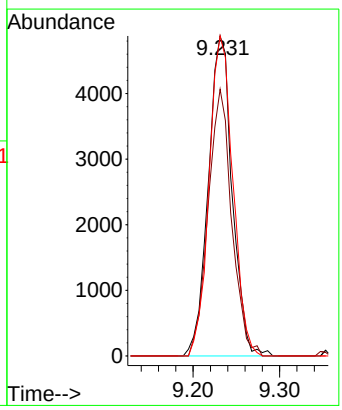
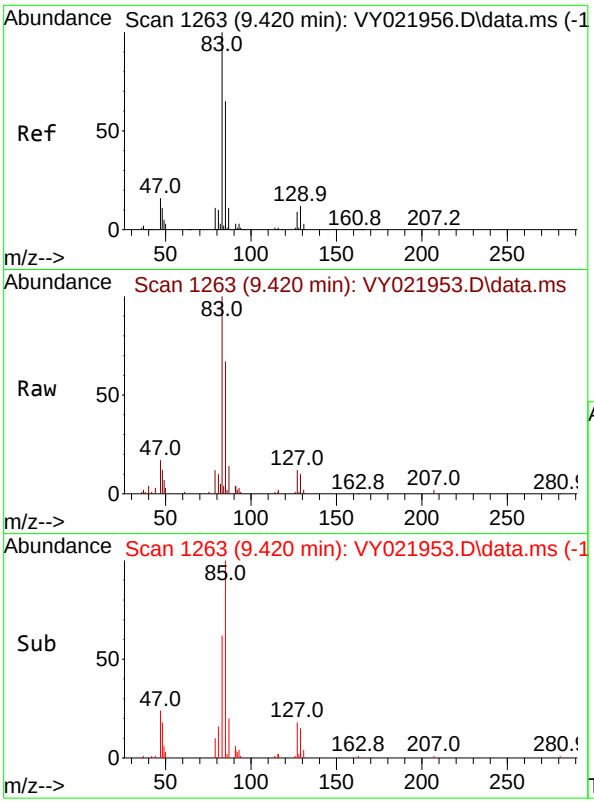


#46
Dibromomethane
Concen: 5.268 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 93 Resp: 9367

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.7	100.1
174	99.2	84.6	127.0

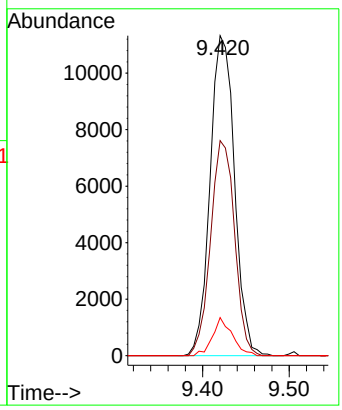




#47
Bromodichloromethane
Concen: 4.991 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 83 Resp: 2217

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.8	77.8
127	11.9	7.0	10.6



Instrument :
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ClientSampleId :
VSTDICC005

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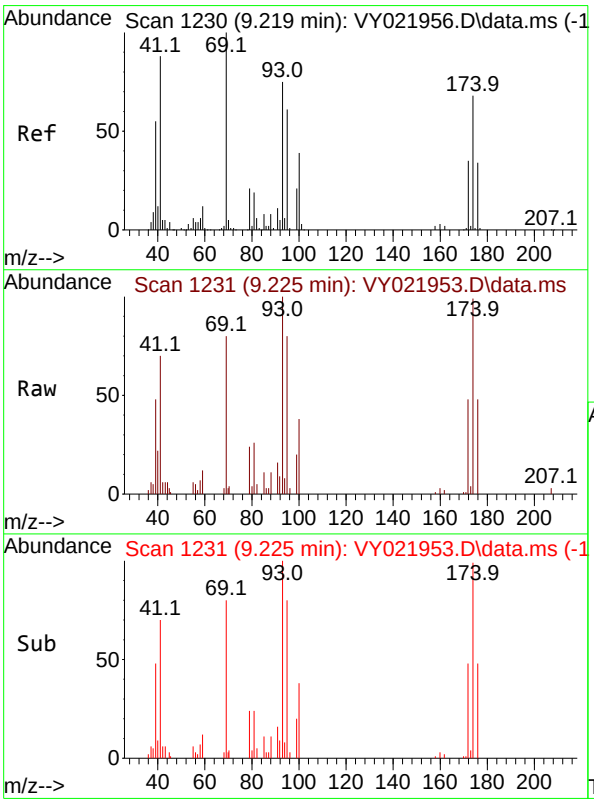
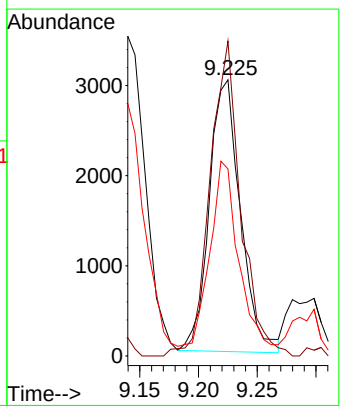
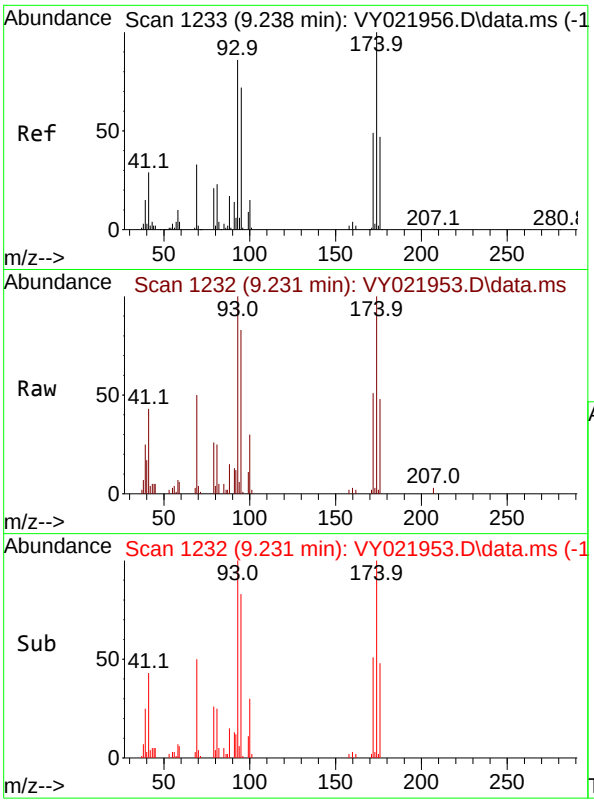


#48
Methyl methacrylate
Concen: 4.252 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 41 Resp: 5570

Ion	Ratio	Lower	Upper
41	100		
69	113.8	85.5	128.3
39	61.6	46.2	69.4





#49
1,4-Dioxane
Concen: 89.863 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 88 Resp: 170

Ion	Ratio	Lower	Upper
88	100		
43	38.6	21.3	31.9
58	60.0	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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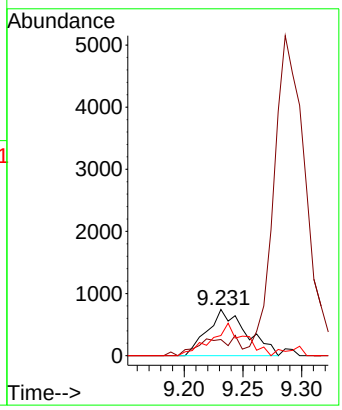
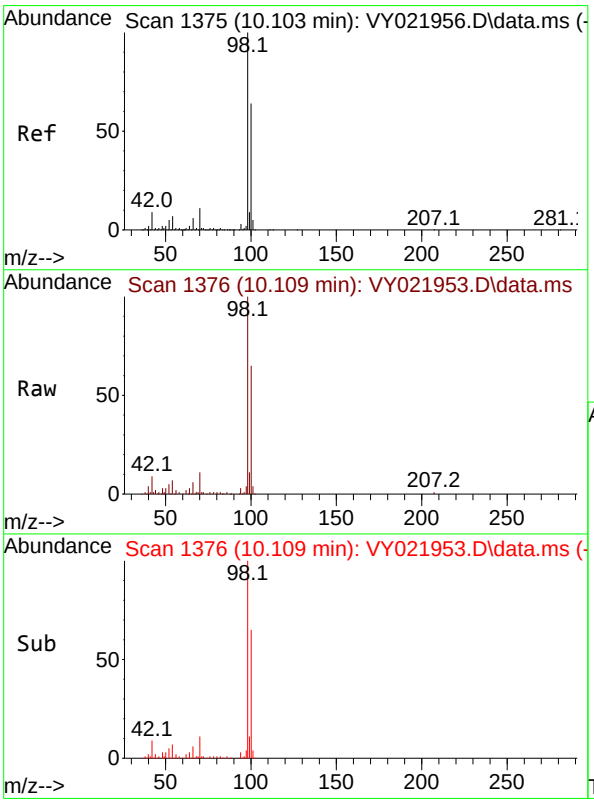
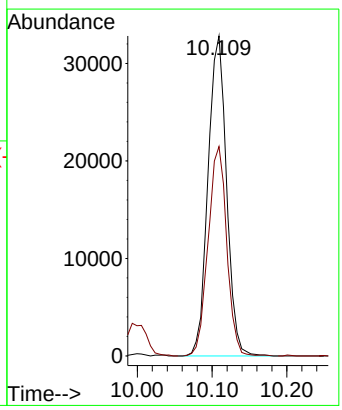


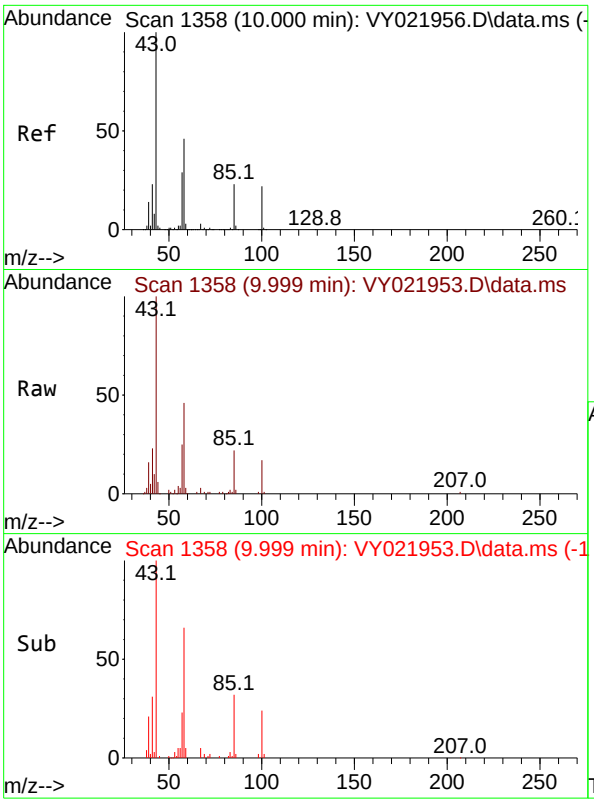


#50
Toluene-d8
Concen: 4.900 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 98 Resp: 56501

Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 22.414 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 3329

Ion	Ratio	Lower	Upper
43	100		
58	44.2	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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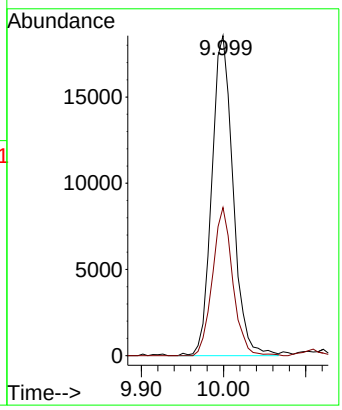
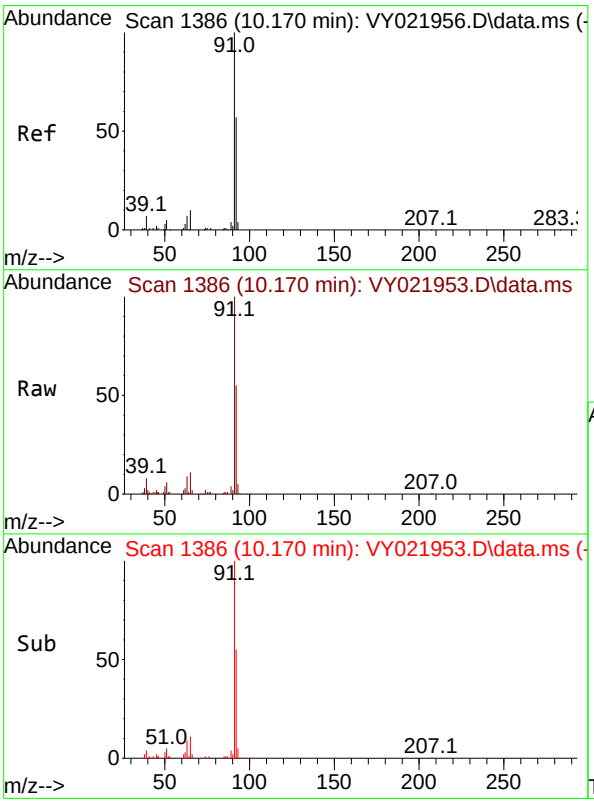
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

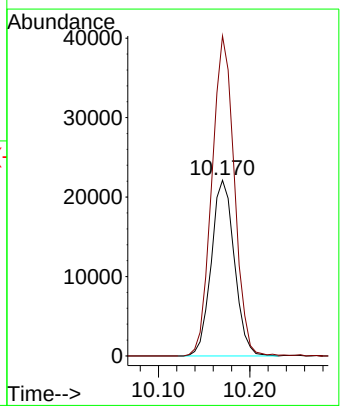


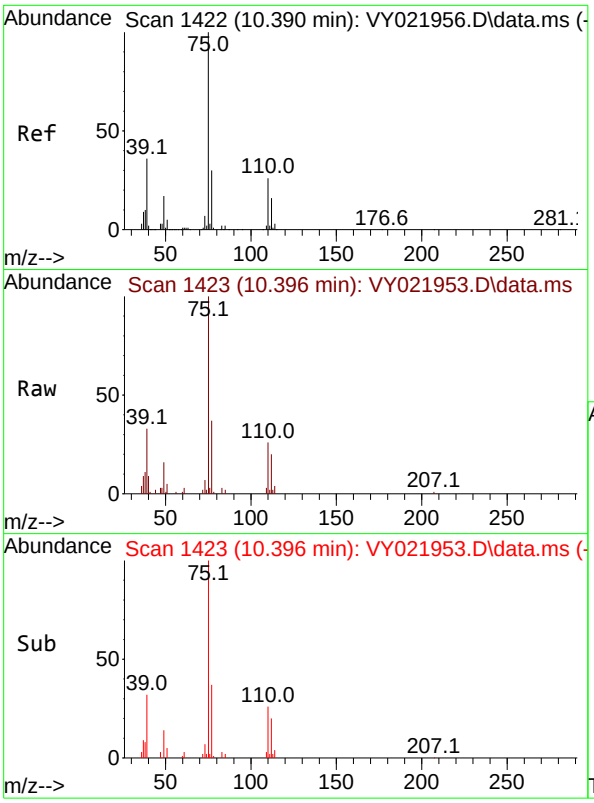


#52
Toluene
Concen: 4.665 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 92 Resp: 38784

Ion	Ratio	Lower	Upper
92	100		
91	177.9	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 4.649 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 1771

Ion	Ratio	Lower	Upper
75	100		
77	37.0	24.0	36.0#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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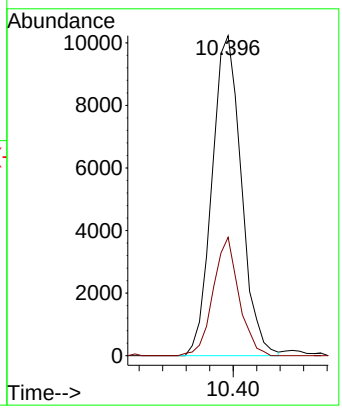
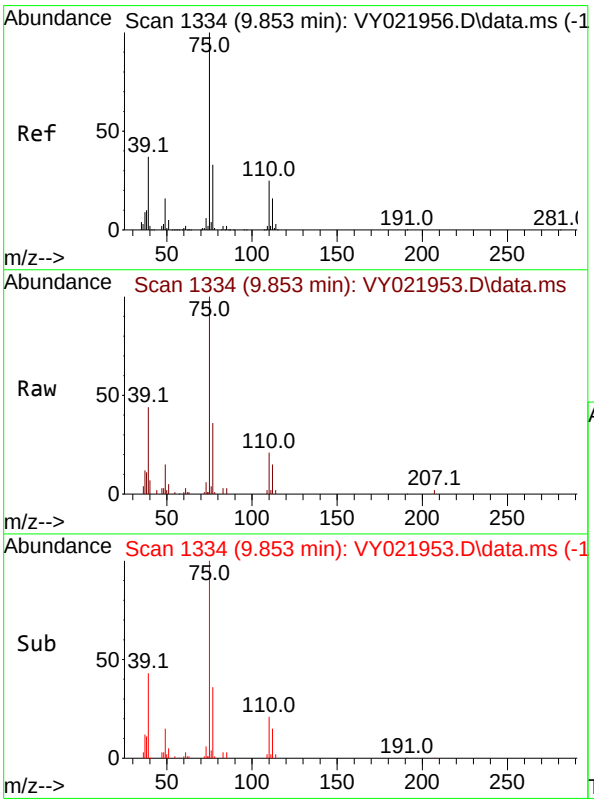
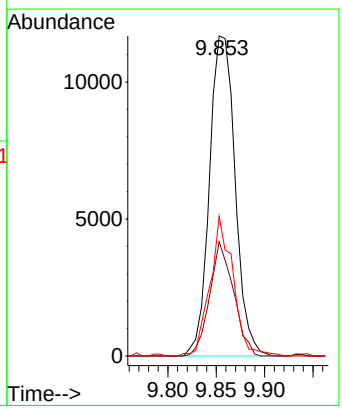


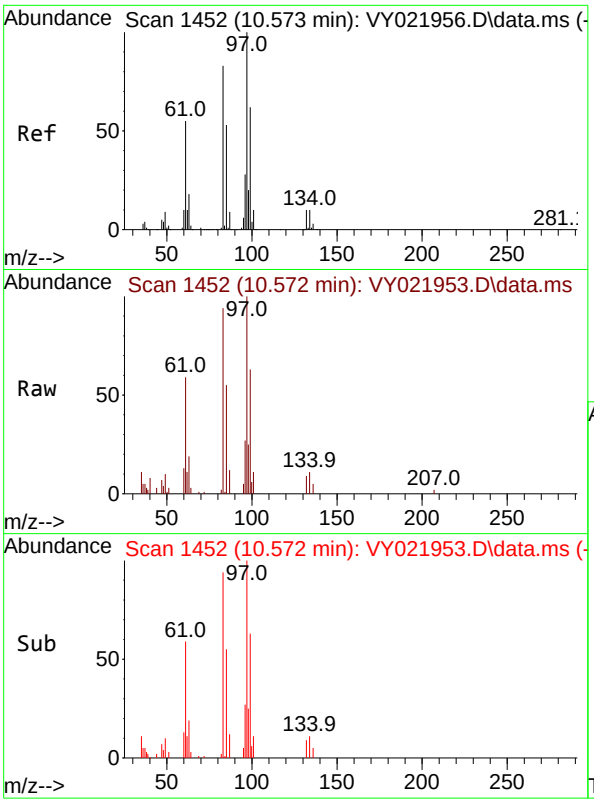


#54
cis-1,3-Dichloropropene
Concen: 4.765 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 21582

Ion	Ratio	Lower	Upper
75	100		
77	35.7	26.6	40.0
39	43.6	29.6	44.4

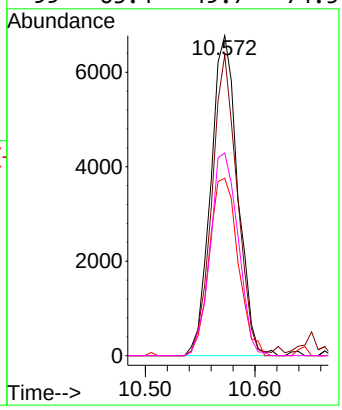




#55
1,1,2-Trichloroethane
Concen: 4.877 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 97 Resp: 1158

Ion	Ratio	Lower	Upper
97	100		
83	94.0	66.7	100.1
85	55.5	42.6	64.0
99	63.4	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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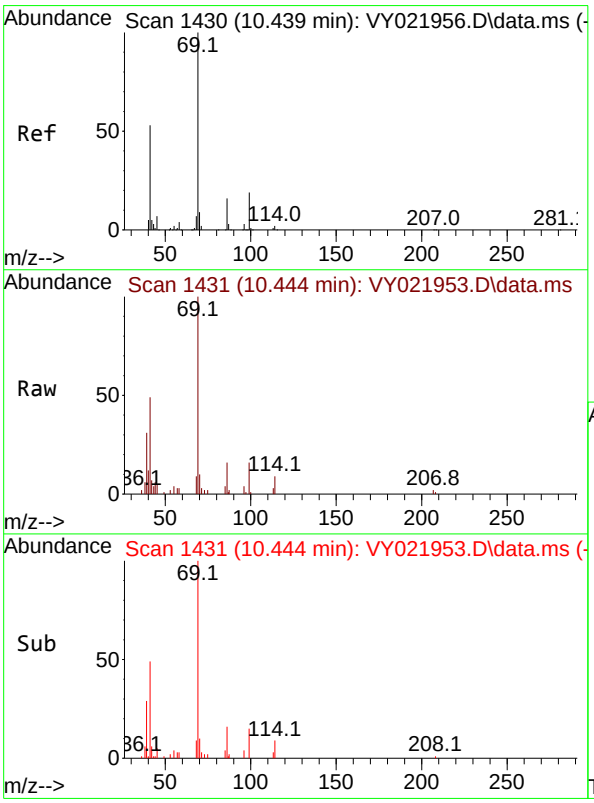
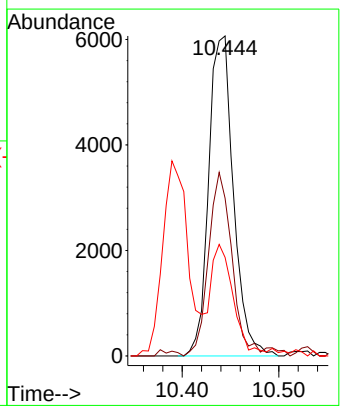
Supervised By :Mahesh Dadoda 04/23/2025

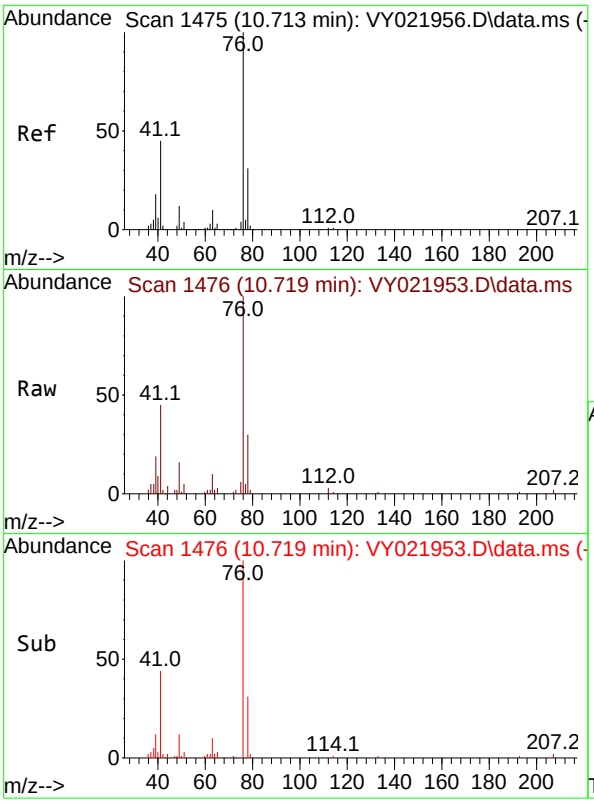


#56
Ethyl methacrylate
Concen: 3.982 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 69 Resp: 10816

Ion	Ratio	Lower	Upper
69	100		
41	54.5	40.7	61.1
39	30.0	23.3	34.9





#57
1,3-Dichloropropane
Concen: 5.020 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 76 Resp: 1911

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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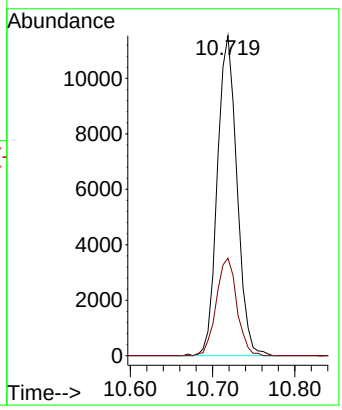
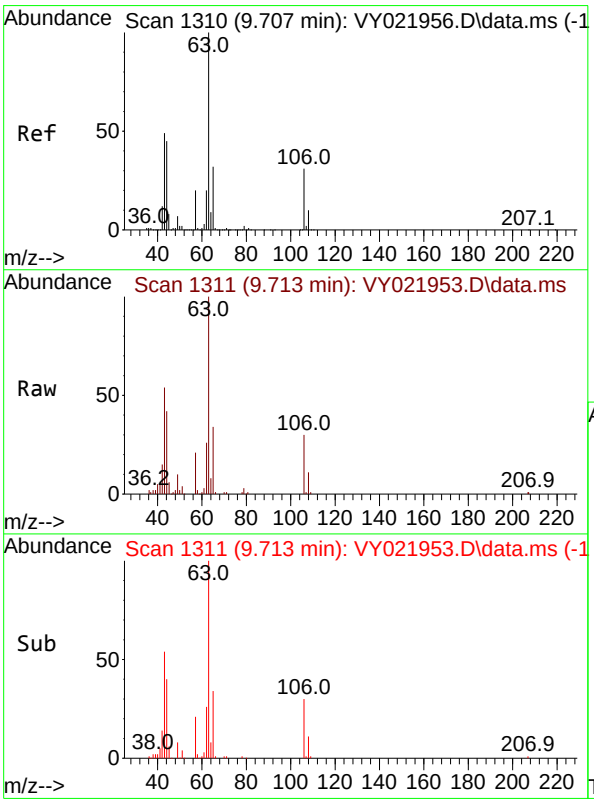
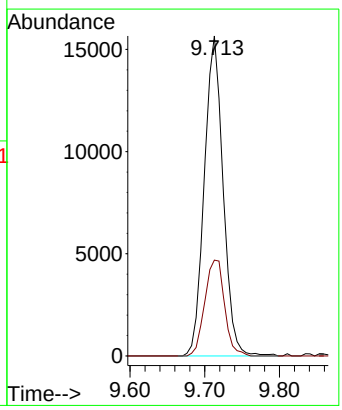


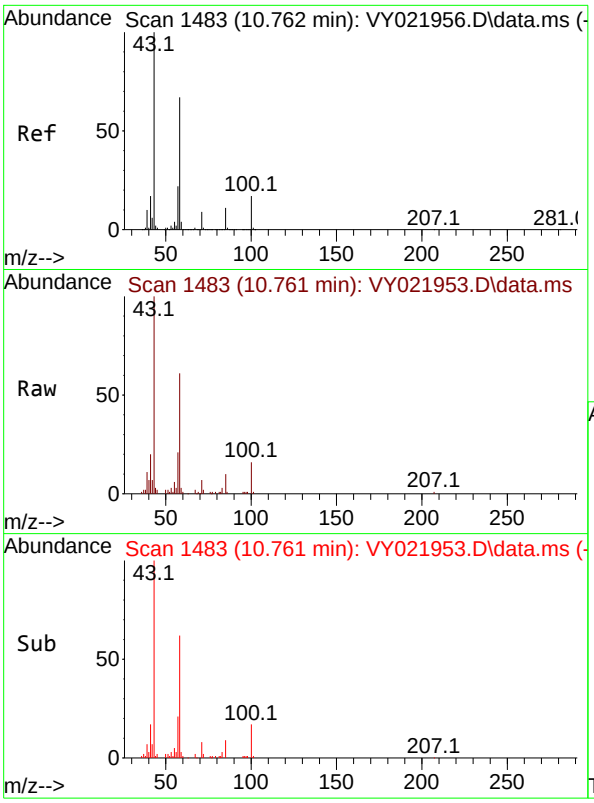


#58
2-Chloroethyl Vinyl ether
Concen: 20.606 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 63 Resp: 27363

Ion	Ratio	Lower	Upper
63	100		
106	31.5	25.3	37.9

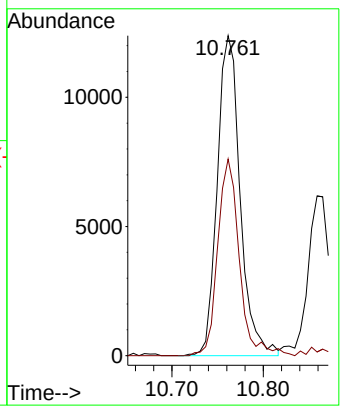




#59
2-Hexanone
Concen: 22.001 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 2155

Ion	Ratio	Lower	Upper
43	100		
58	58.1	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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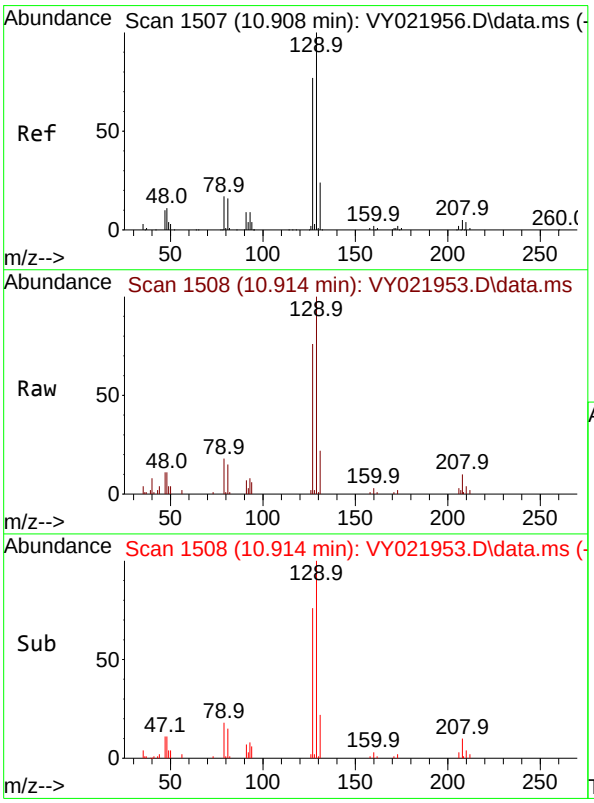
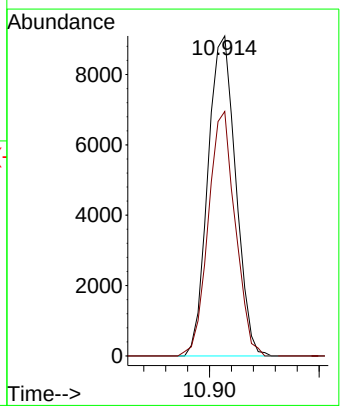
Supervised By :Mahesh Dadoda 04/23/2025

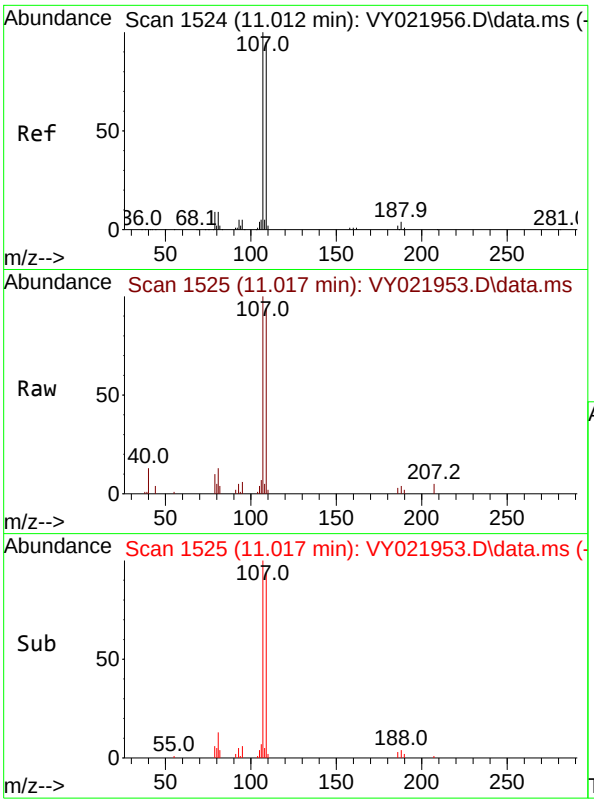


#60
Dibromochloromethane
Concen: 4.863 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:129 Resp: 15992

Ion	Ratio	Lower	Upper
129	100		
127	74.2	38.5	115.3

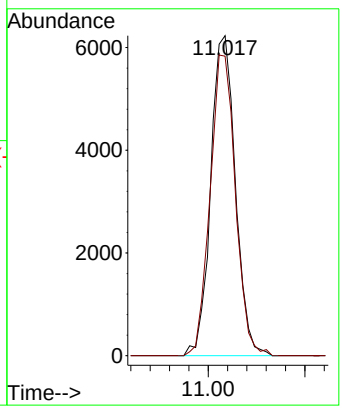




#61
1,2-Dibromoethane
Concen: 4.915 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:107 Resp: 1102

Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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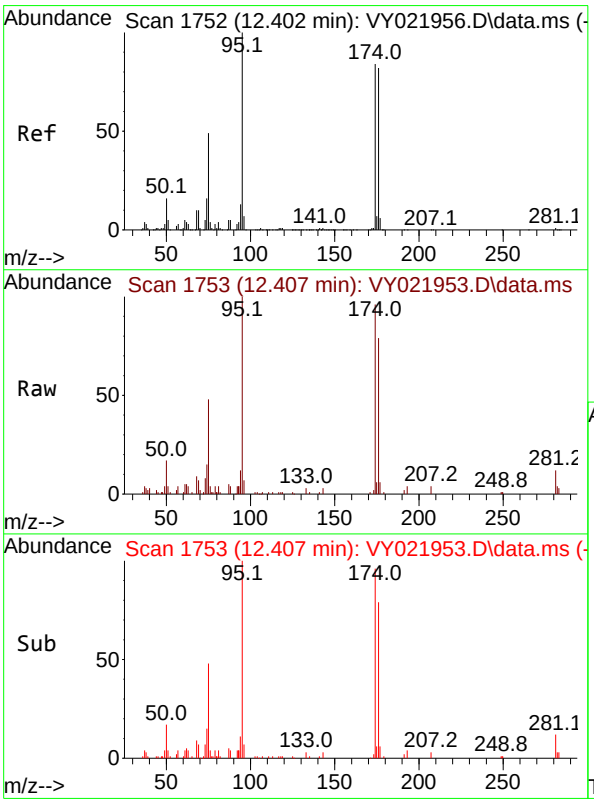
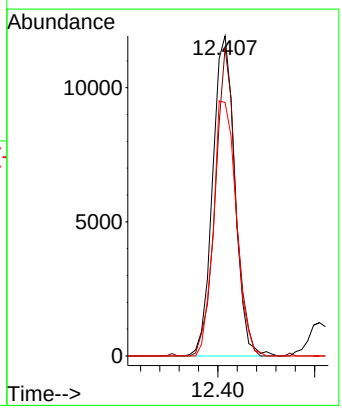
Supervised By :Mahesh Dadoda 04/23/2025

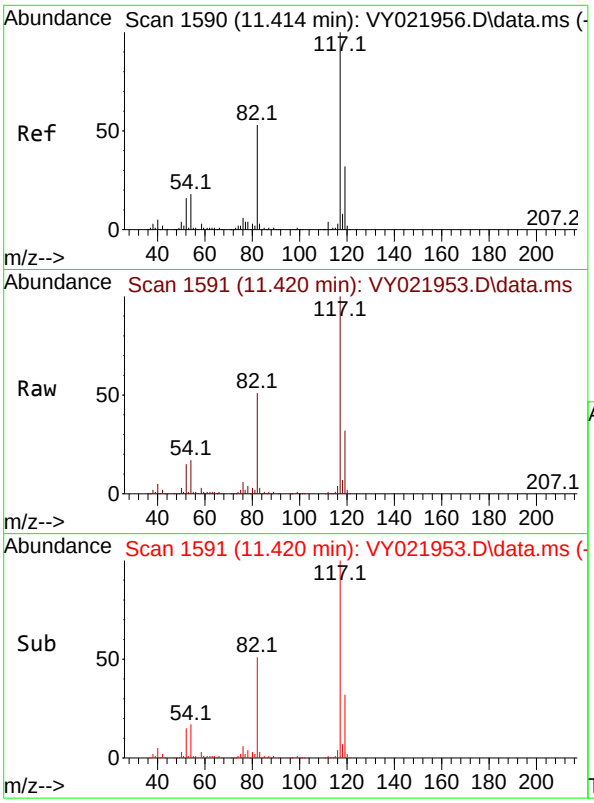


#62
4-Bromofluorobenzene
Concen: 4.869 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 95 Resp: 18902

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	179.0
176	82.4	0.0	171.8

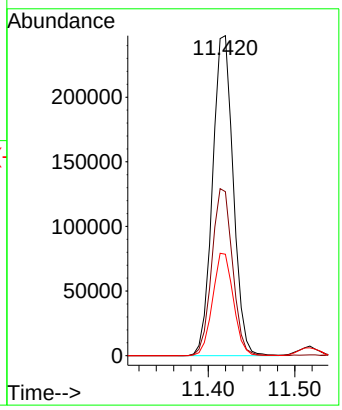




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:117 Resp: 41072

Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.1	63.1
119	31.7	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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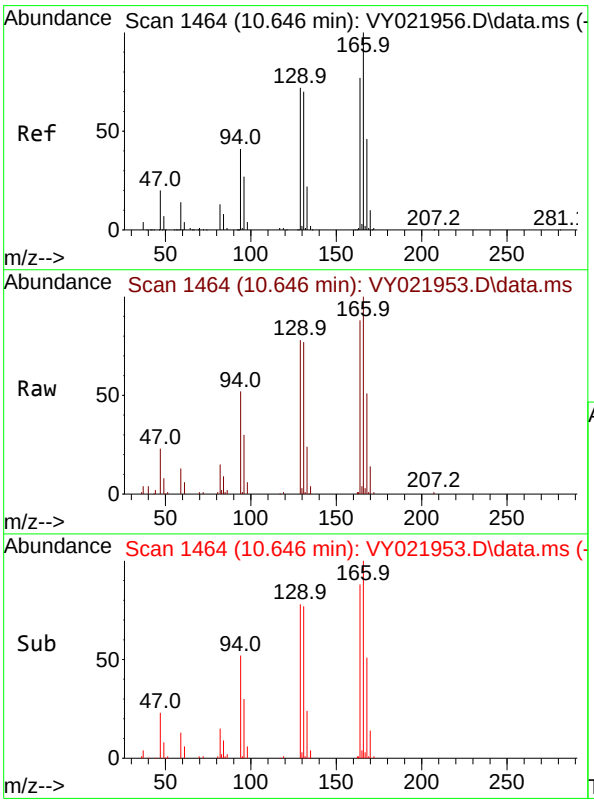
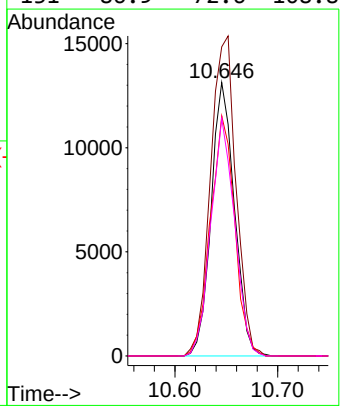
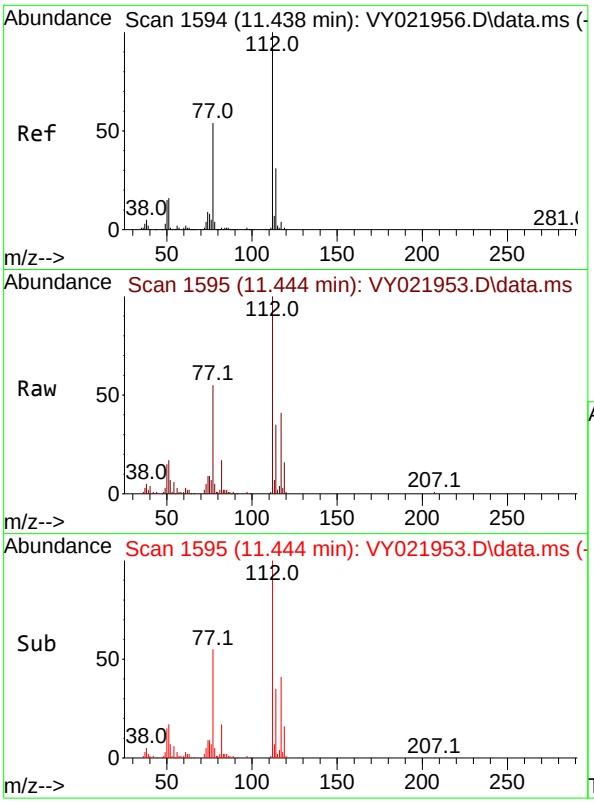


#64
Tetrachloroethene
Concen: 5.302 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:164 Resp: 20545

Ion	Ratio	Lower	Upper
164	100		
166	113.0	103.6	155.4
129	87.8	74.2	111.4
131	86.9	72.6	108.8

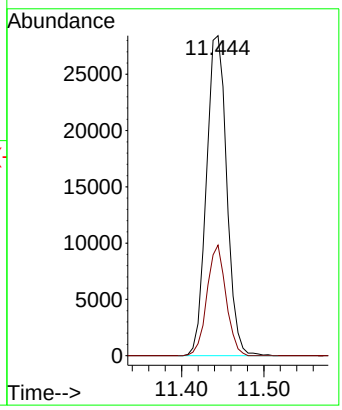




#65
Chlorobenzene
Concen: 5.314 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:112 Resp: 4880

Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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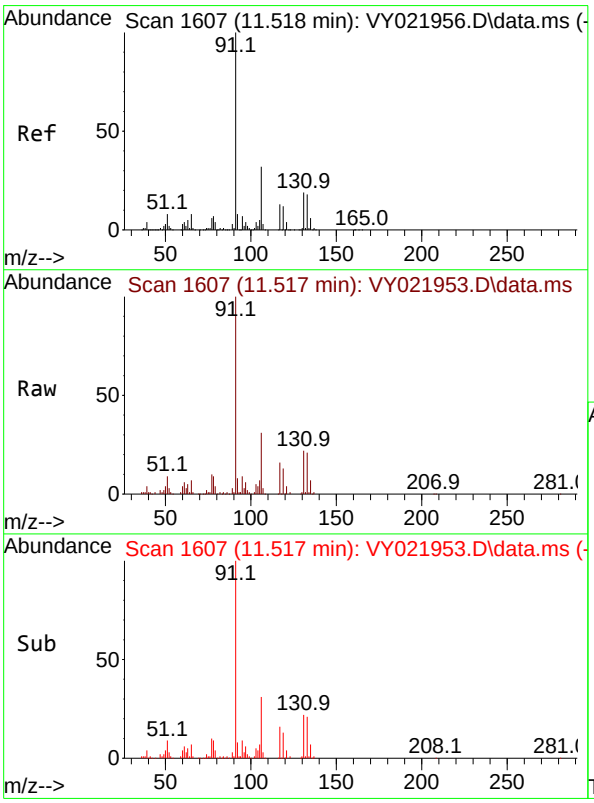
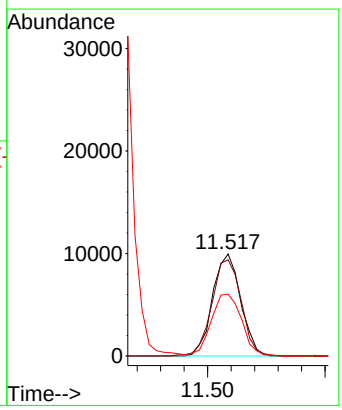
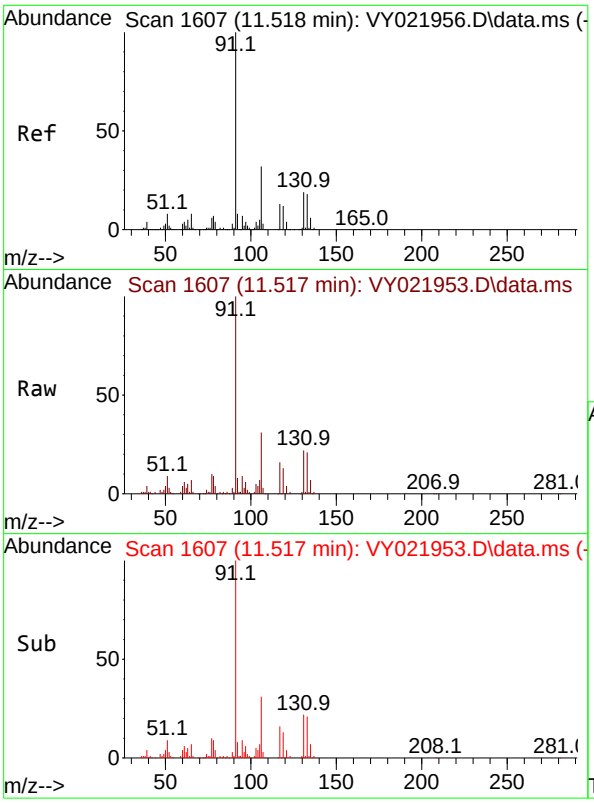


#66
1,1,1,2-Tetrachloroethane
Concen: 5.097 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:131 Resp: 16483

Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.8	143.3
119	65.6	32.4	97.0

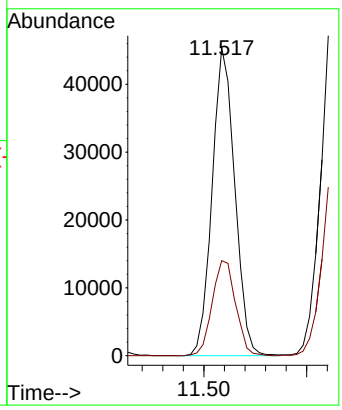




#67
Ethyl Benzene
Concen: 4.629 ug/l
RT: 11.517 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 6954

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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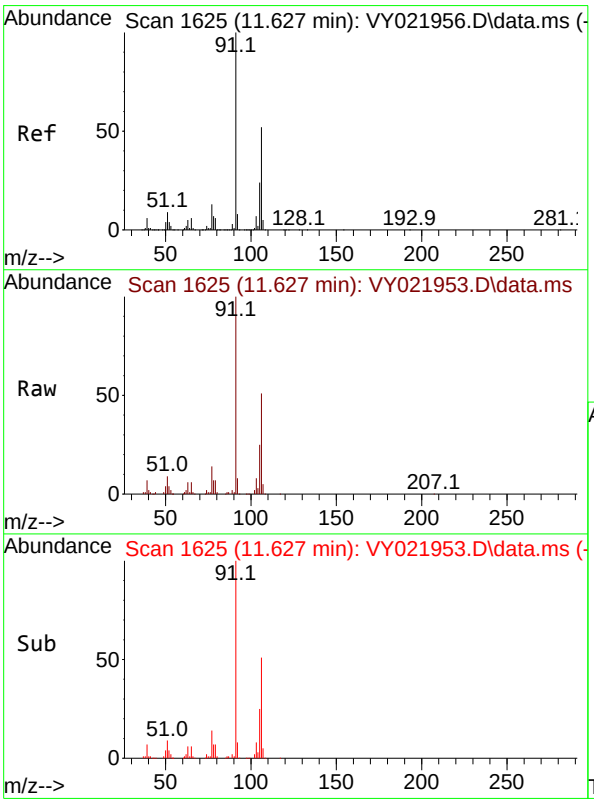
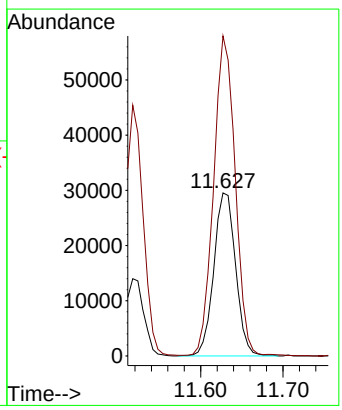
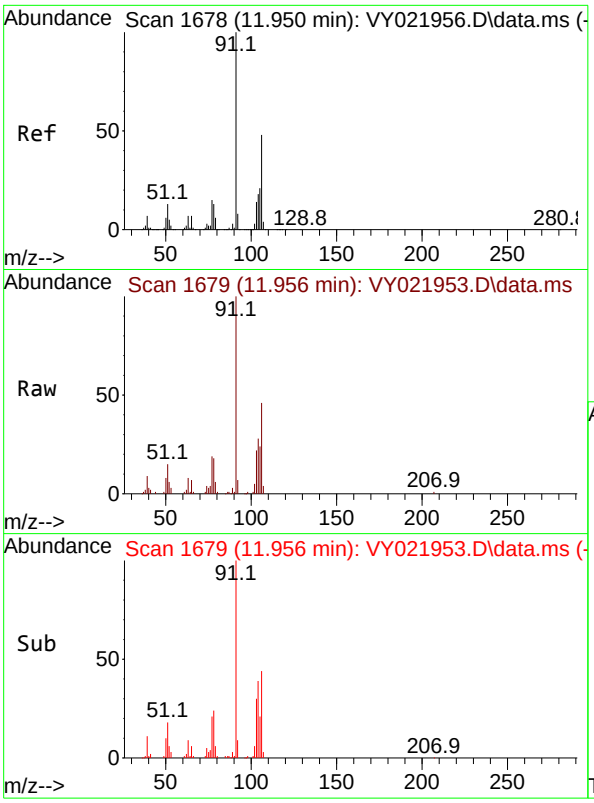


#68
m/p-Xylenes
Concen: 9.119 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:106 Resp: 54518

Ion	Ratio	Lower	Upper
106	100		
91	195.0	156.2	234.2

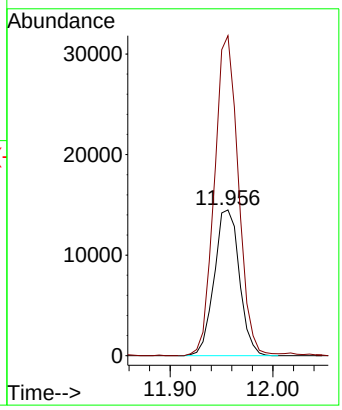




#69
o-Xylene
Concen: 4.466 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:106 Resp: 2461

Ion	Ratio	Lower	Upper
106	100		
91	208.8	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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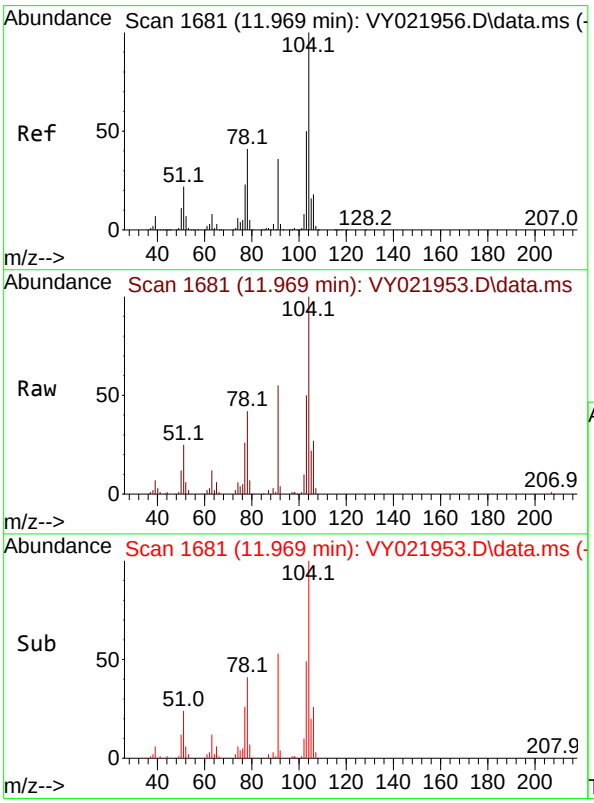
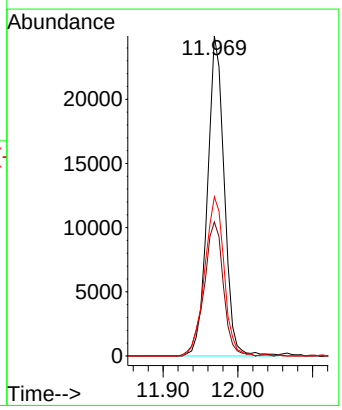
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

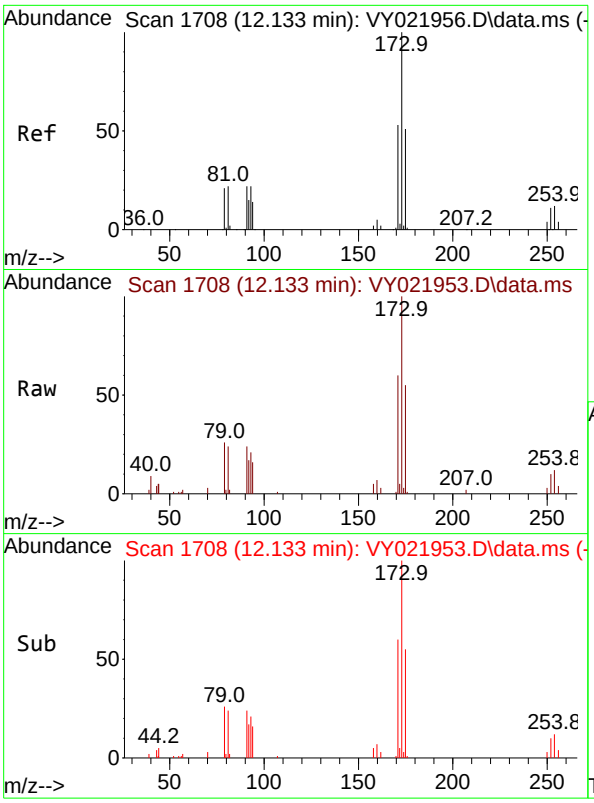


#70
Styrene
Concen: 4.217 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:104 Resp: 39016

Ion	Ratio	Lower	Upper
104	100		
78	48.0	36.6	54.8
103	57.1	43.8	65.8

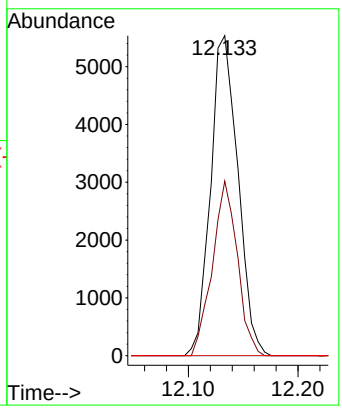




#71
Bromoform
Concen: 5.111 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:173 Resp: 960

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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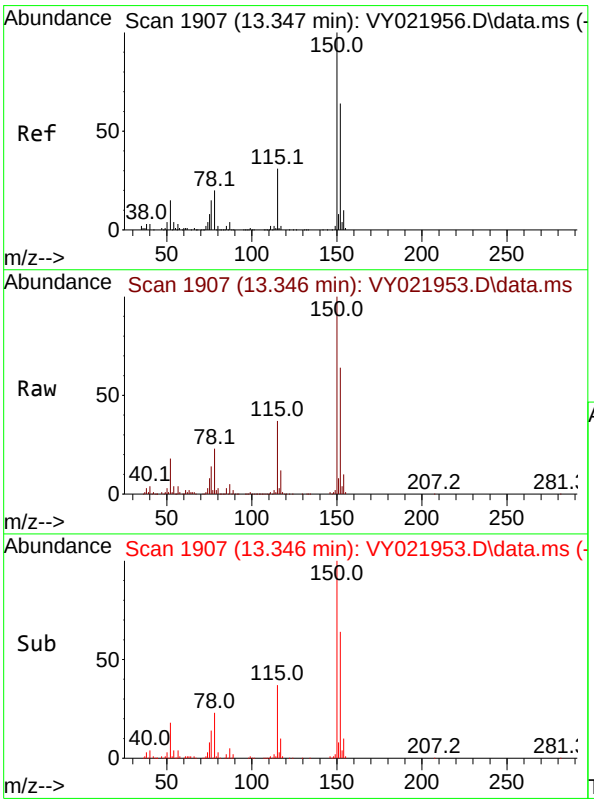
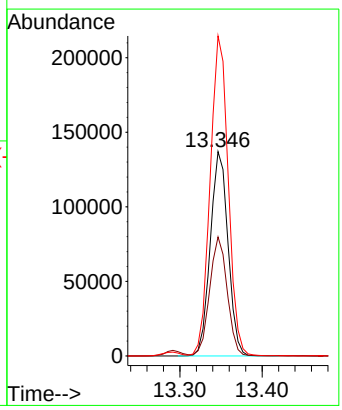
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

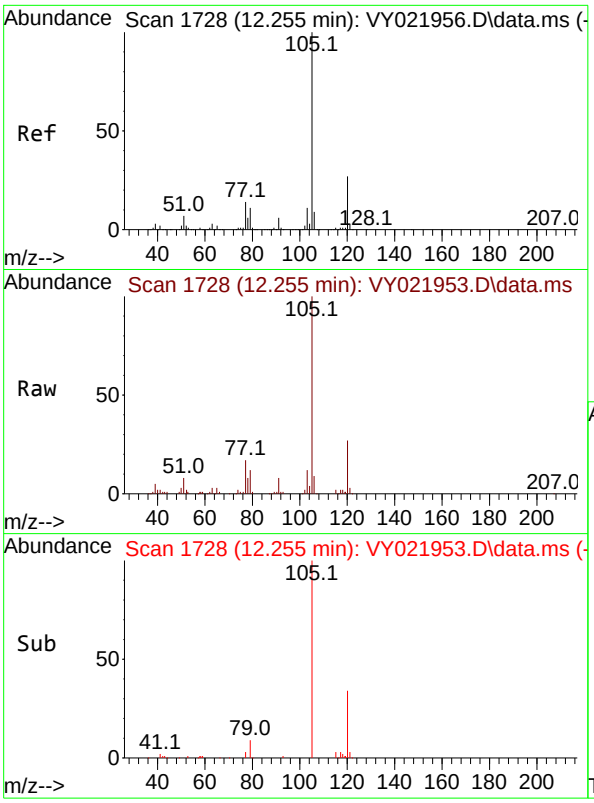


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:152 Resp: 205526

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.0	84.0
150	159.3	0.0	345.6

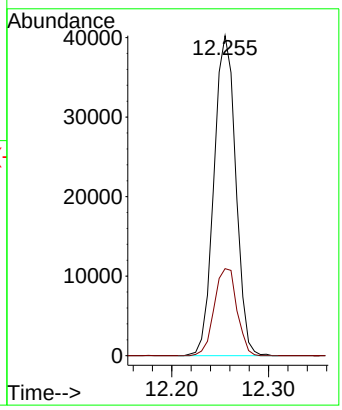




#73
Isopropylbenzene
Concen: 4.582 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:105 Resp: 6291

Ion	Ratio	Lower	Upper
105	100		
120	28.3	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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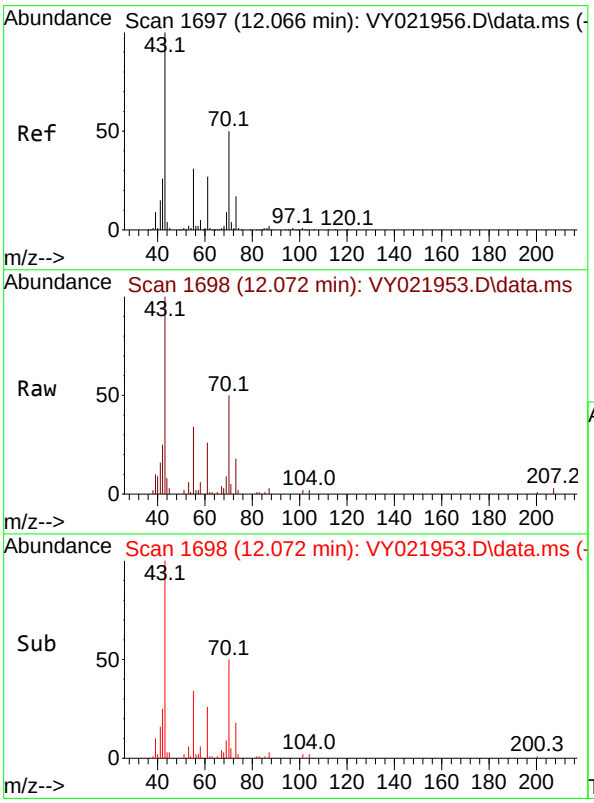
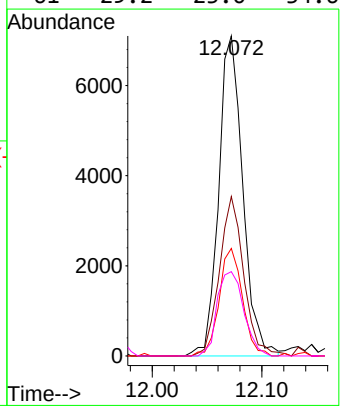
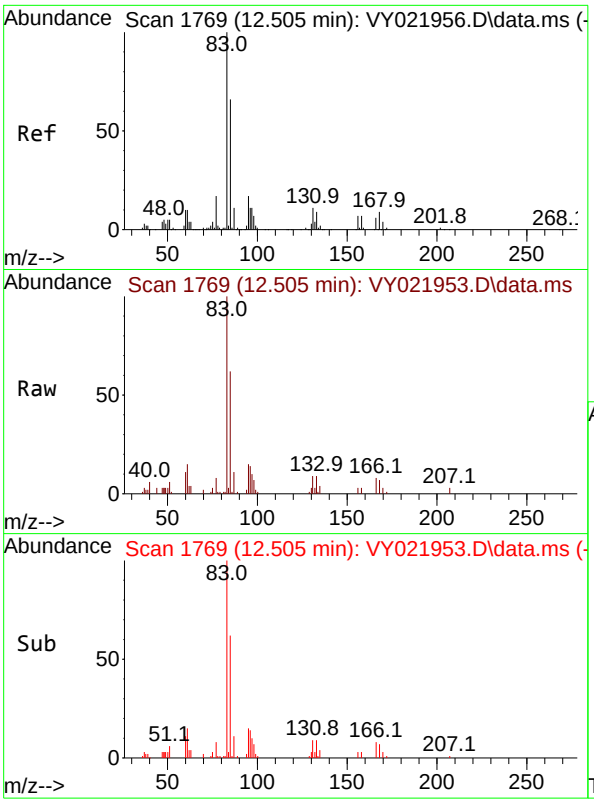


#74
N-amyl acetate
Concen: 4.596 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 10843

Ion	Ratio	Lower	Upper
43	100		
70	50.3	43.2	64.8
55	32.5	25.7	38.5
61	29.2	23.0	34.6

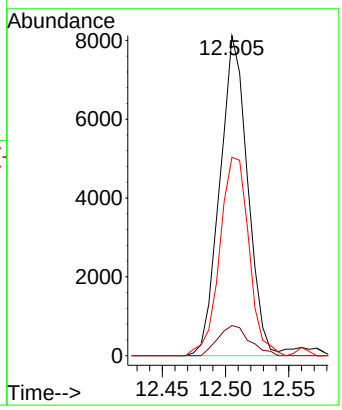




#75
1,1,2,2-Tetrachloroethane
Concen: 5.340 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 83 Resp: 1236

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	65.3	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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Reviewed By :Semsettin Yesilyurt 04/23/2025
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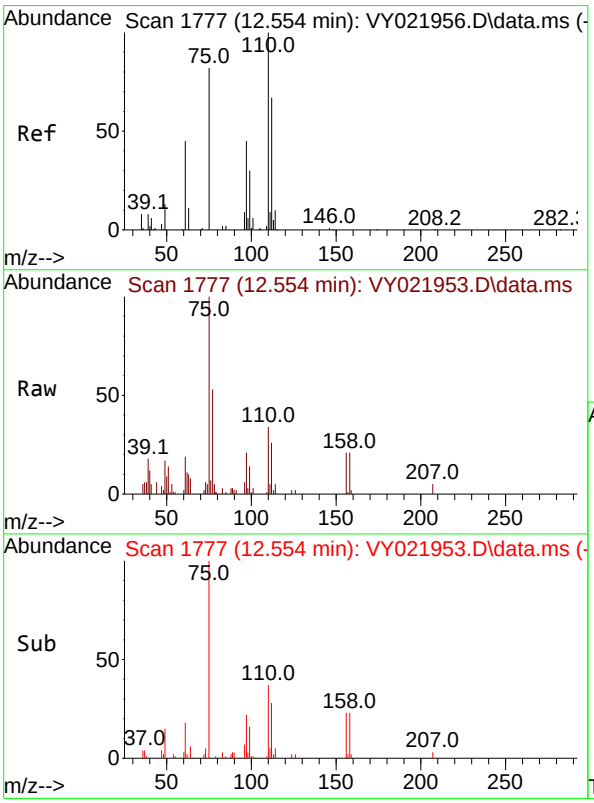
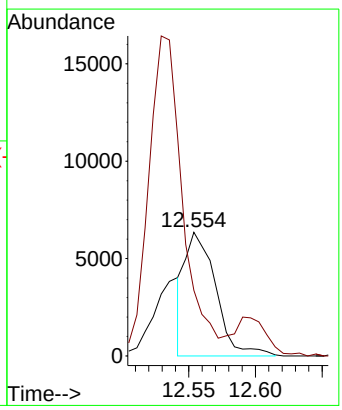
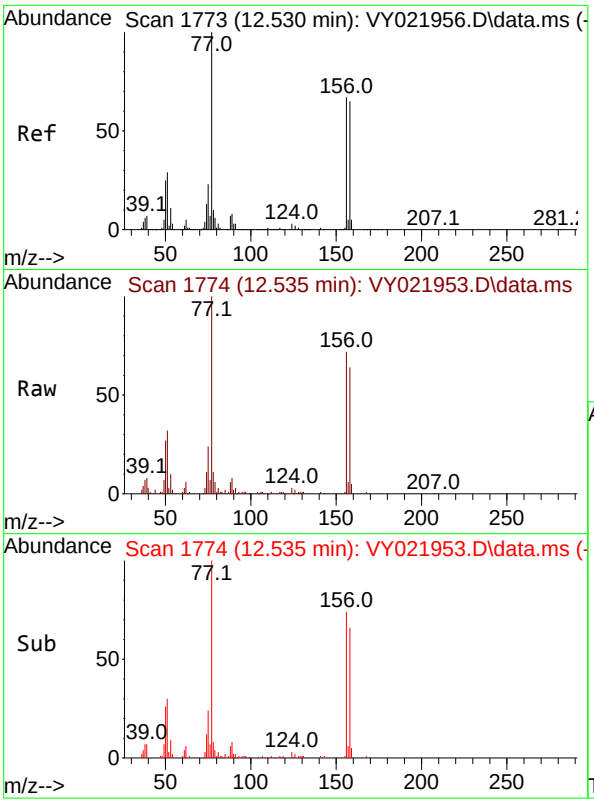


#76
1,2,3-Trichloropropane
Concen: 5.648 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 10228

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

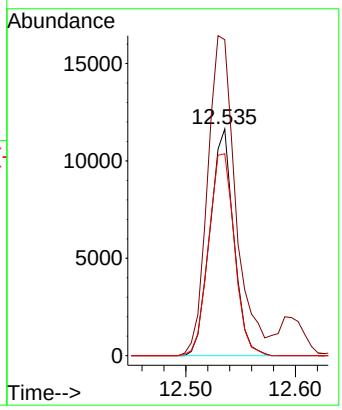




#77
Bromobenzene
Concen: 5.064 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:156 Resp: 1757

Ion	Ratio	Lower	Upper
156	100		
77	165.8	82.7	248.1
158	96.6	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

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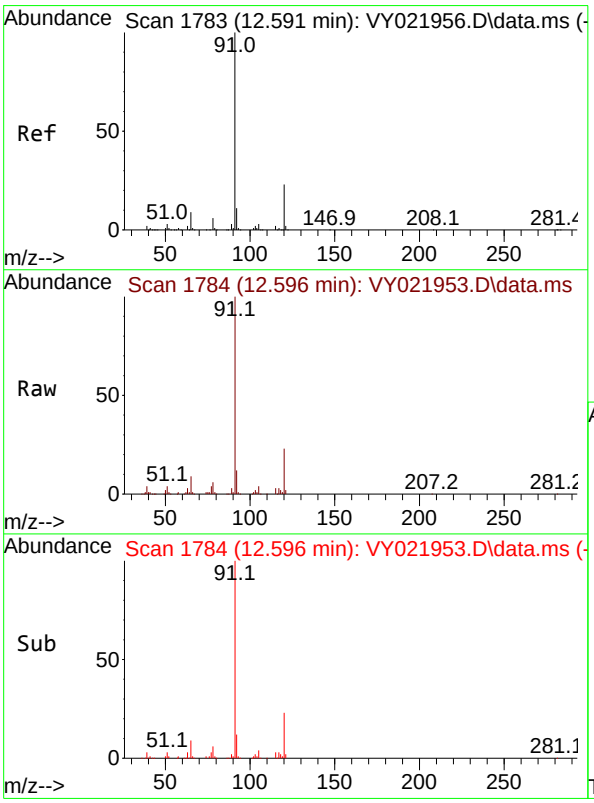
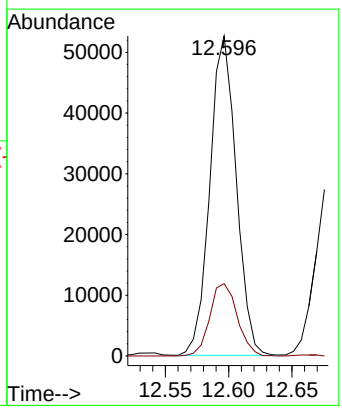
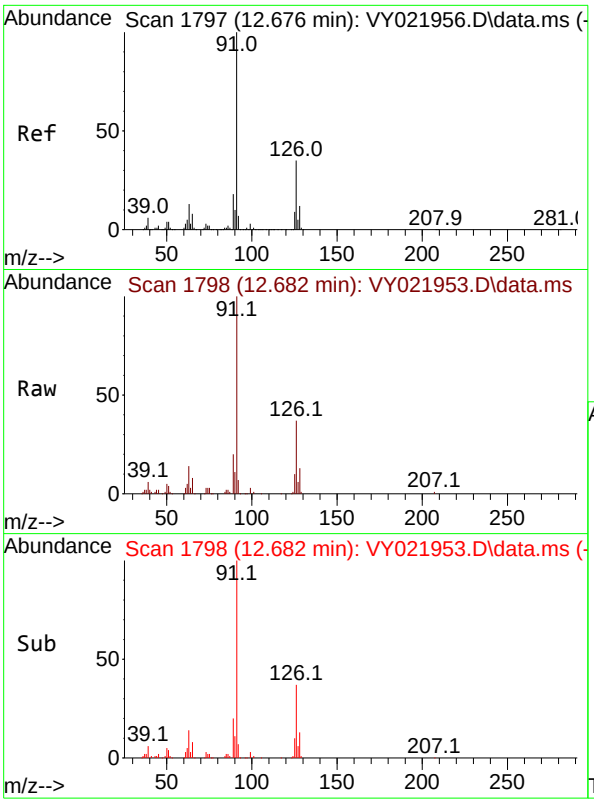


#78
n-propylbenzene
Concen: 4.660 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 76210

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5

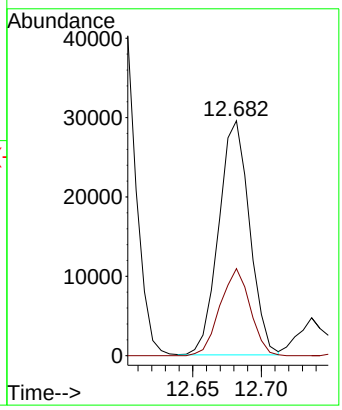




#79
2-Chlorotoluene
Concen: 4.868 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 4629

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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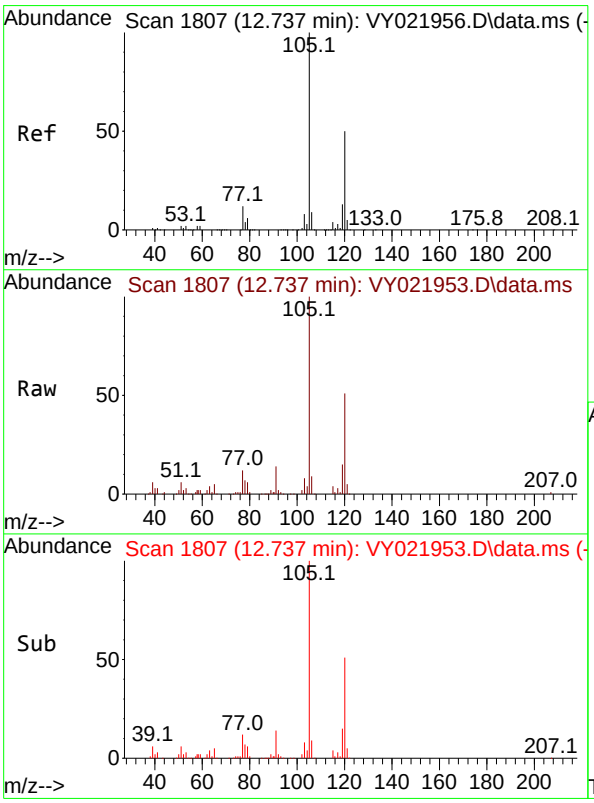
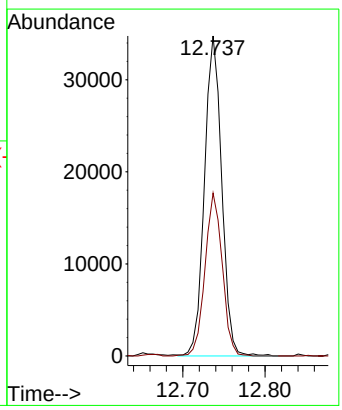
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

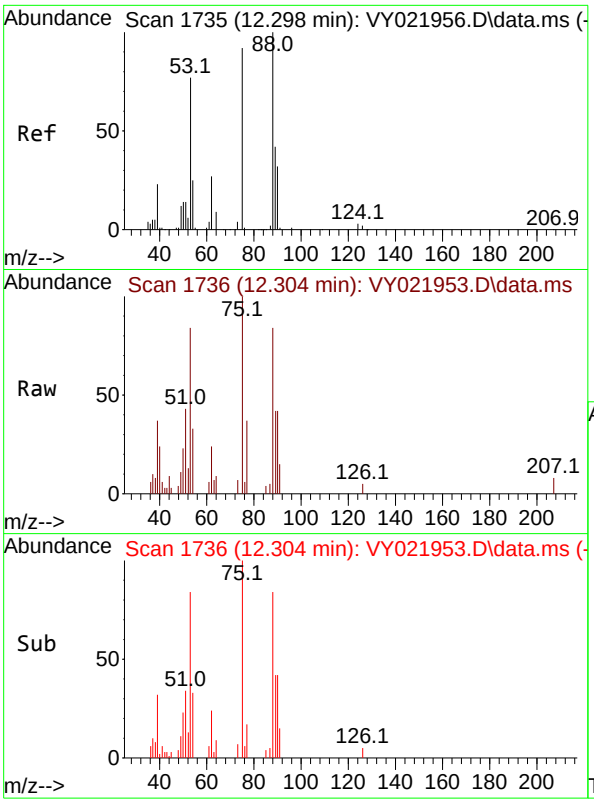


#80
1,3,5-Trimethylbenzene
Concen: 4.481 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:105 Resp: 50699

Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 5.191 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 379

Ion	Ratio	Lower	Upper
75	100		
53	84.6	66.0	99.0
89	46.9	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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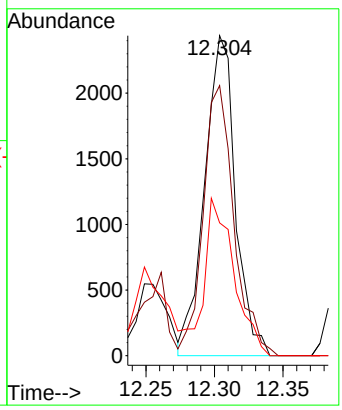
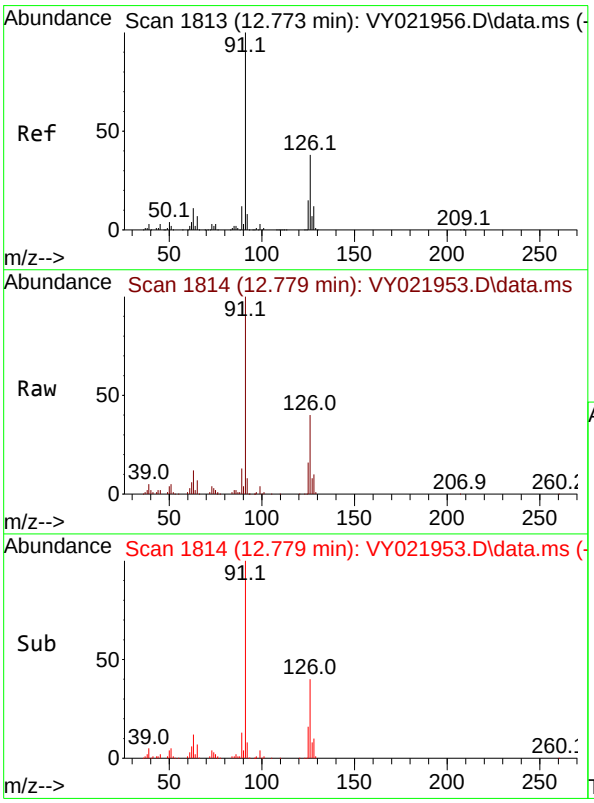
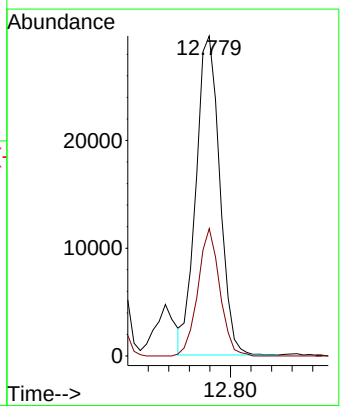


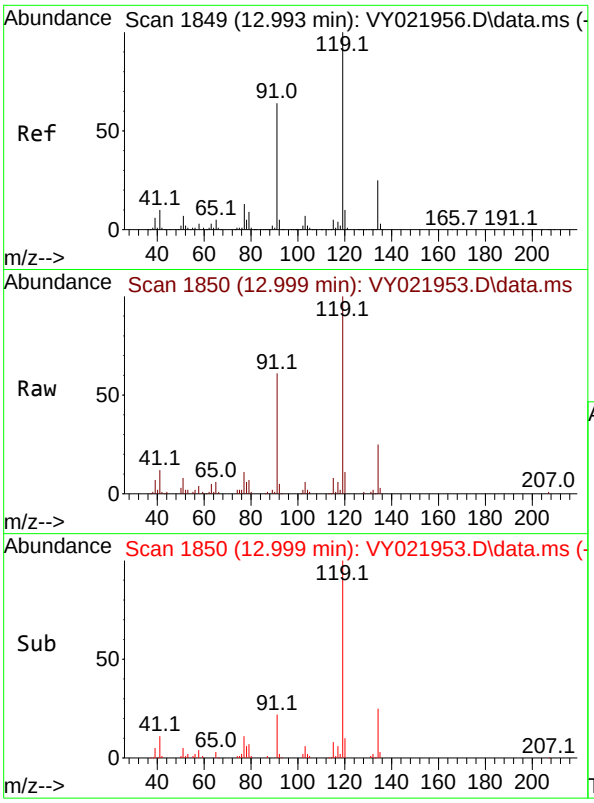


#82
4-Chlorotoluene
Concen: 4.809 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 47541

Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.9	53.8

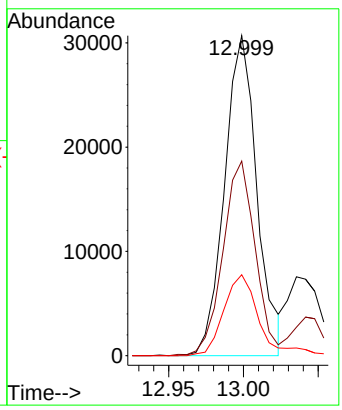




#83
tert-Butylbenzene
Concen: 4.550 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:119 Resp: 4617

Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.3	90.9
134	27.5	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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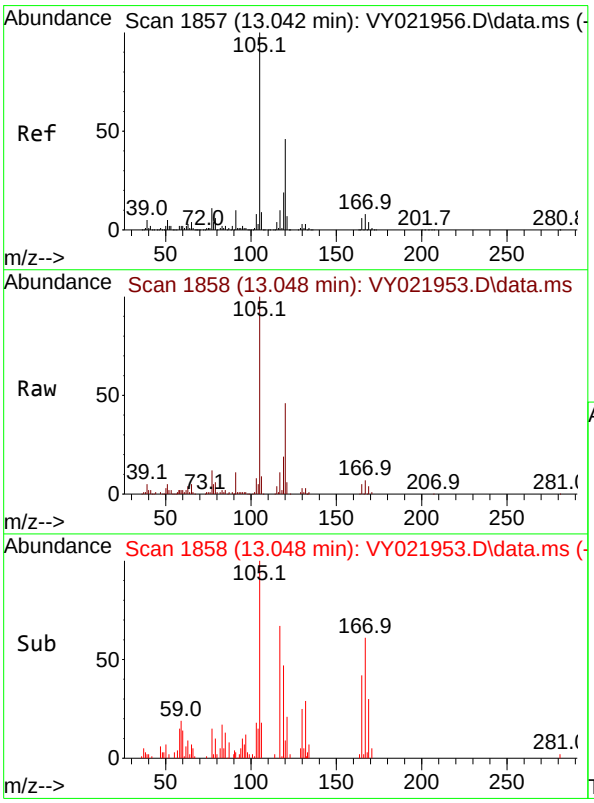
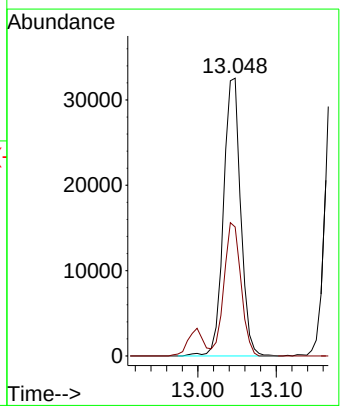
Supervised By :Mahesh Dadoda 04/23/2025

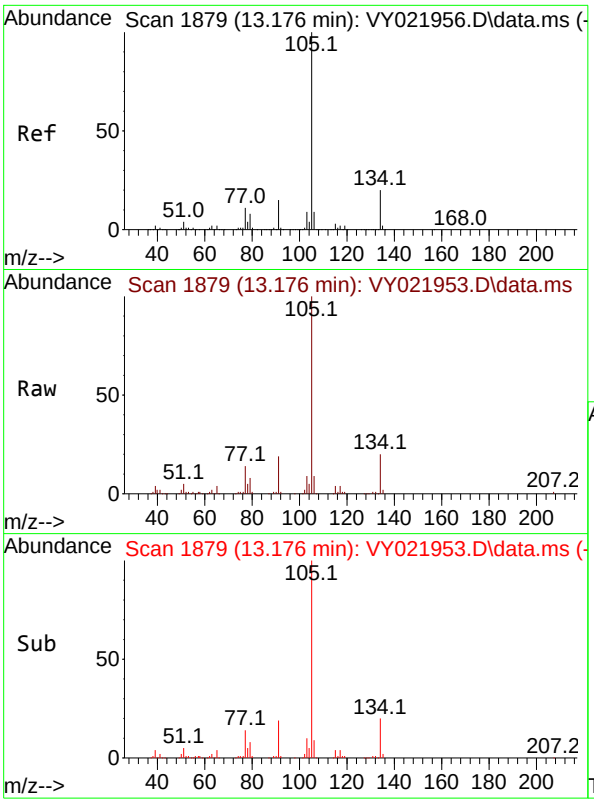


#84
1,2,4-Trimethylbenzene
Concen: 4.387 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:105 Resp: 49642

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.4	70.0

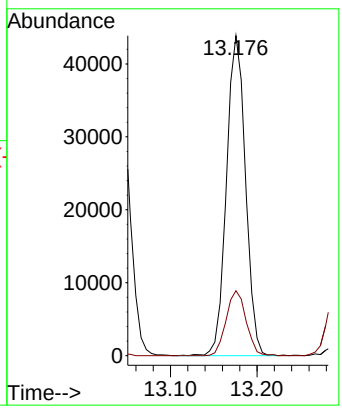




#85
sec-Butylbenzene
Concen: 4.504 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:105 Resp: 6687

Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.3	30.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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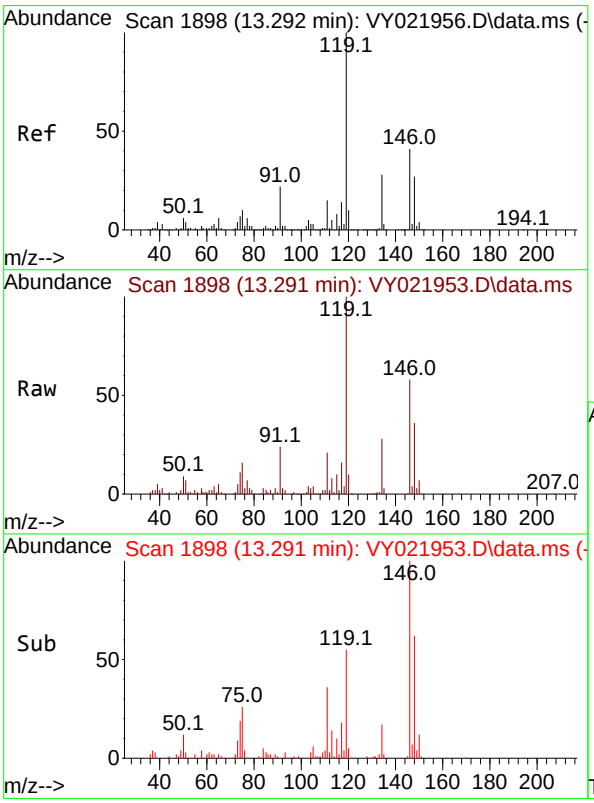
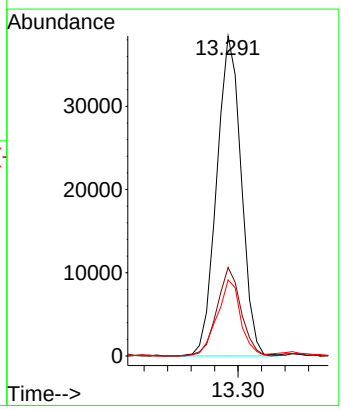
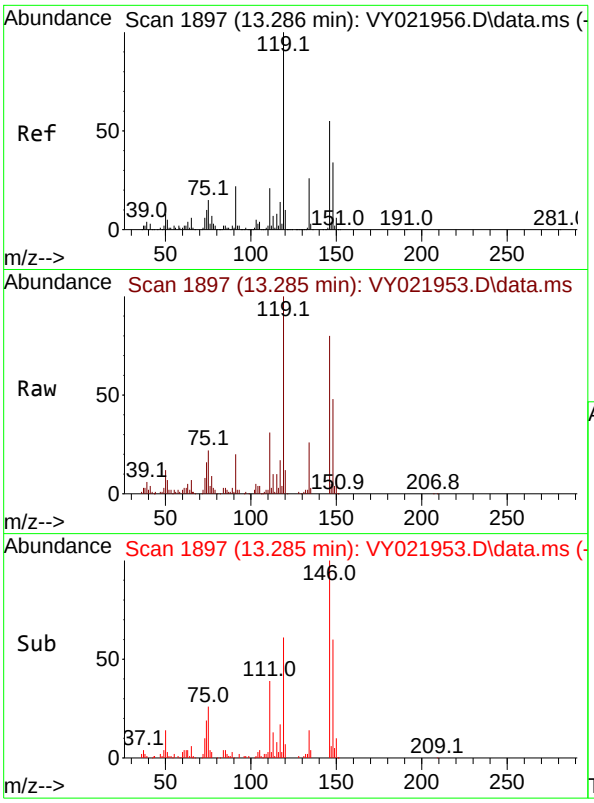


#86
p-Isopropyltoluene
Concen: 4.430 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:119 Resp: 55850

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.8	11.0	33.0

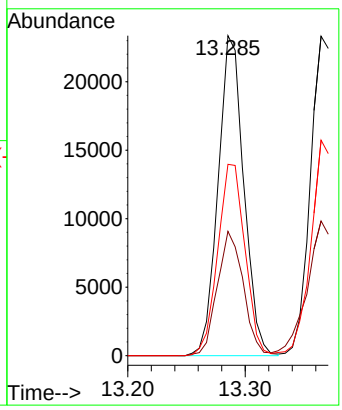




#87
1,3-Dichlorobenzene
Concen: 5.045 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:146 Resp: 3555

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.5
148	63.4	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/23/2025
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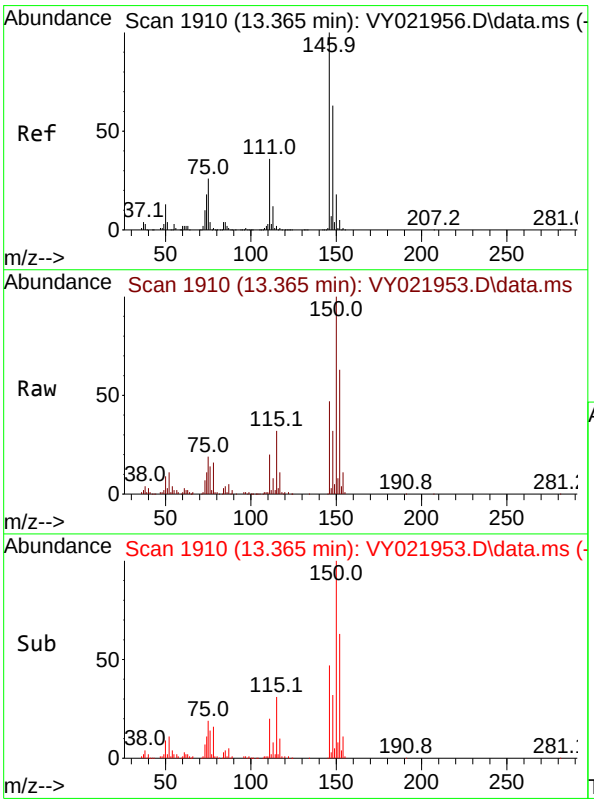
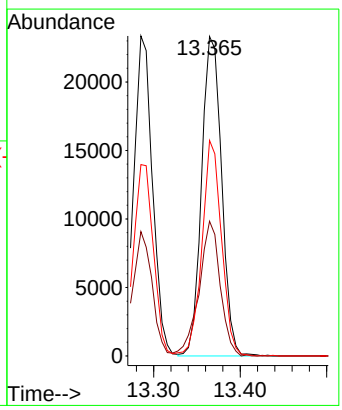
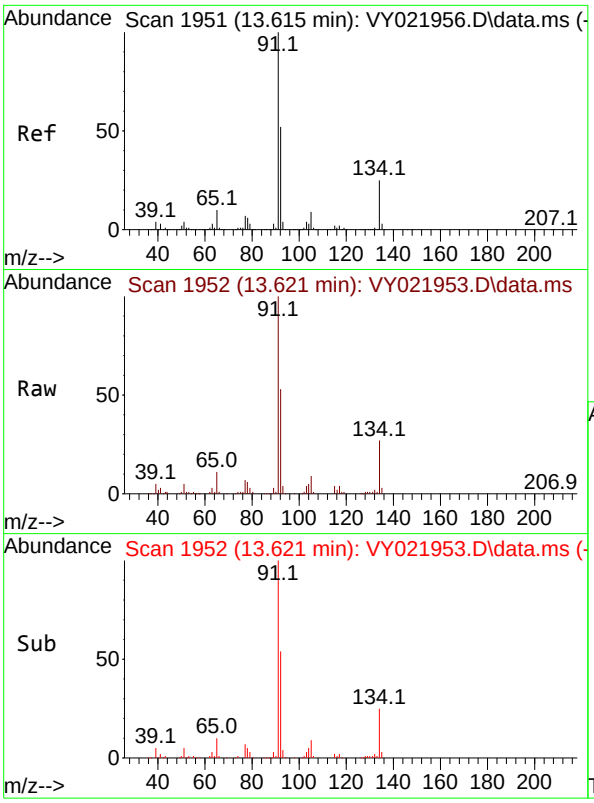


#88
1,4-Dichlorobenzene
Concen: 5.362 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:146 Resp: 37426

Ion	Ratio	Lower	Upper
146	100		
111	44.7	19.2	57.6
148	66.0	32.0	96.0

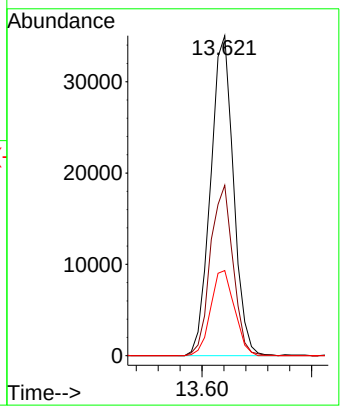




#89
n-Butylbenzene
Concen: 4.518 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 5091

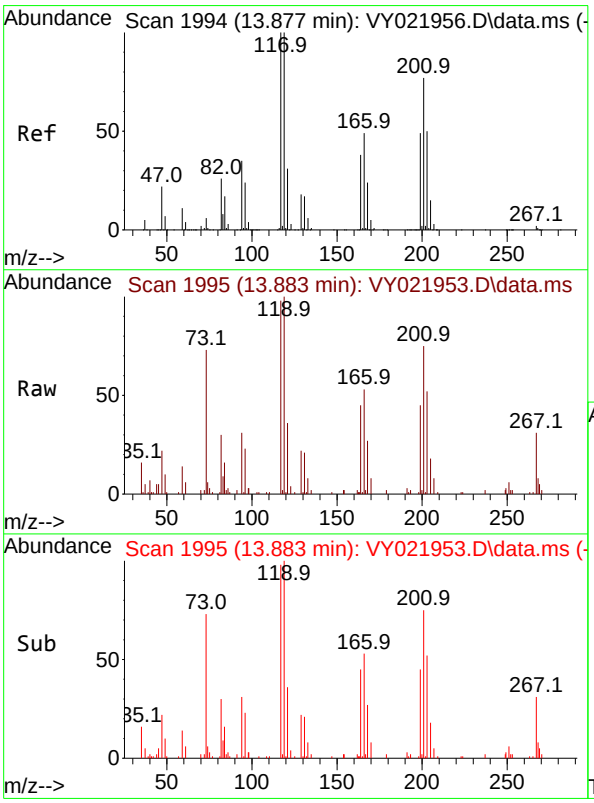
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.7	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

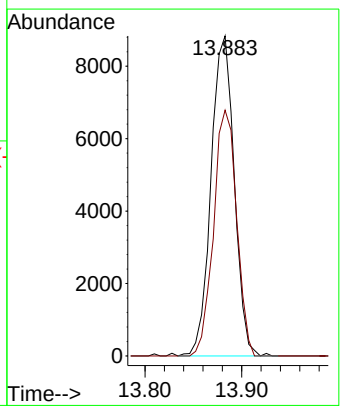
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

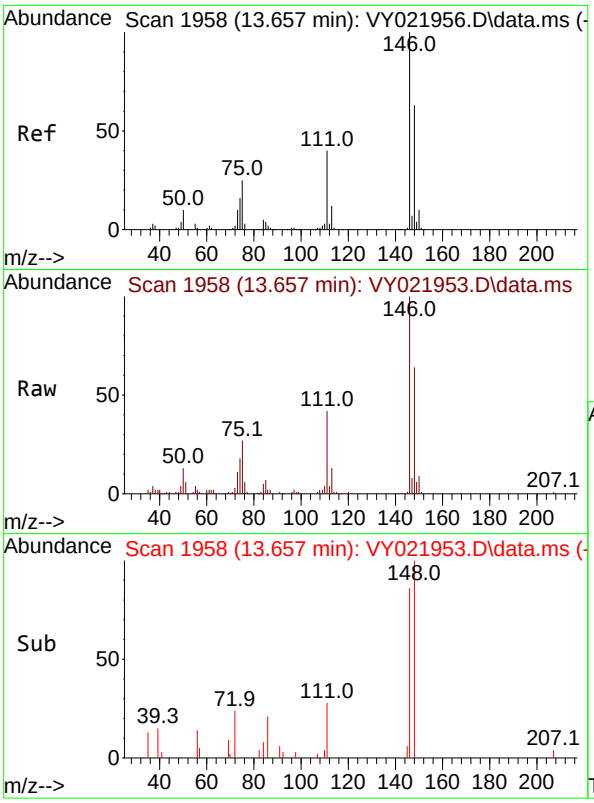


#90
Hexachloroethane
Concen: 5.308 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:117 Resp: 14703

Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.7	116.1

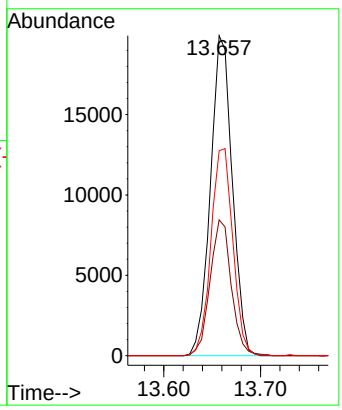




#91
1,2-Dichlorobenzene
Concen: 5.092 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:146 Resp: 3129

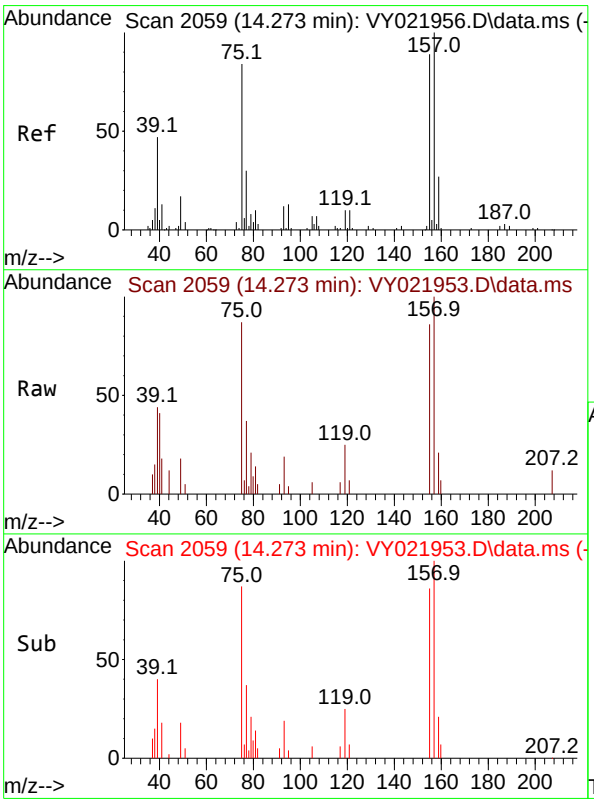
Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.7	59.1
148	64.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

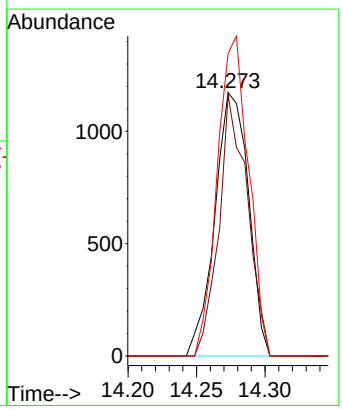
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

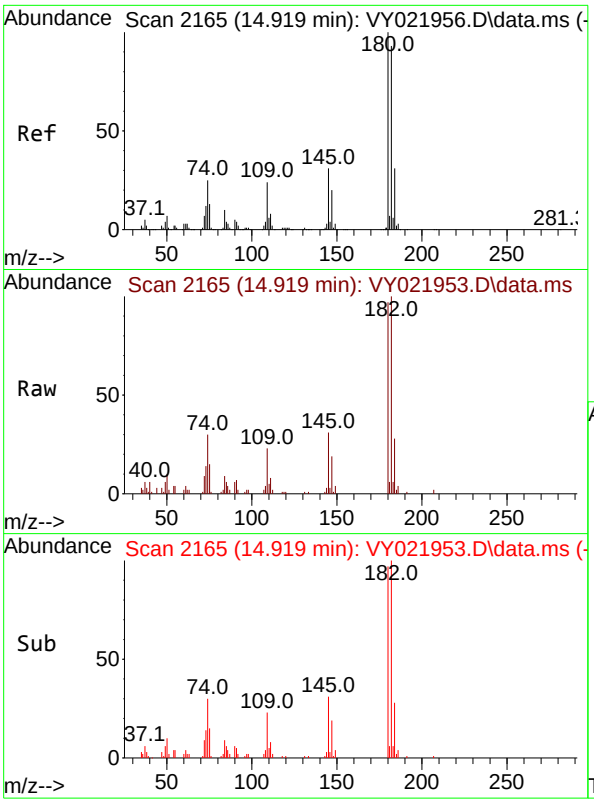


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.430 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 2000

Ion	Ratio	Lower	Upper
75	100		
155	83.8	50.7	152.3
157	113.1	62.6	187.8

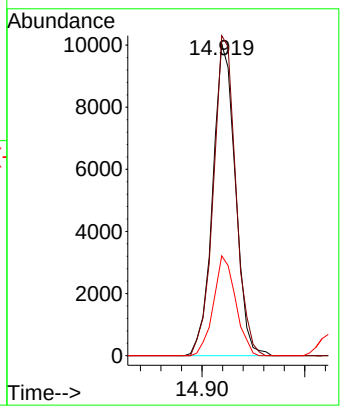




#93
1,2,4-Trichlorobenzene
Concen: 4.406 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:180 Resp: 1534

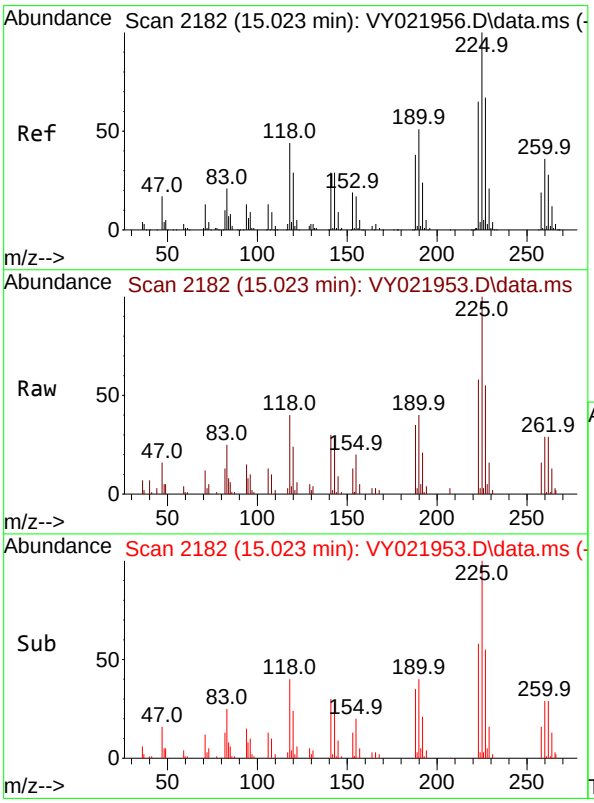
Ion	Ratio	Lower	Upper
180	100		
182	101.1	47.1	141.4
145	31.3	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

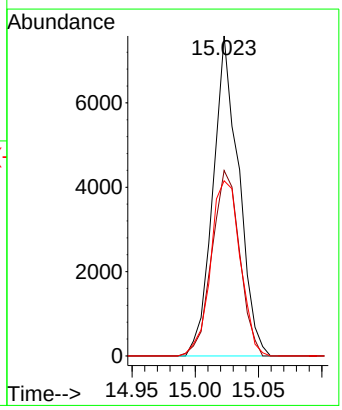
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

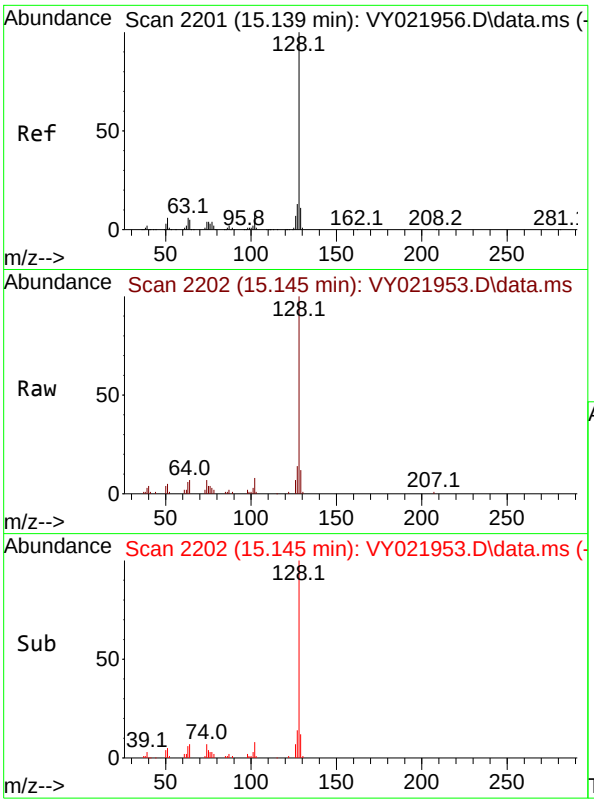


#94
Hexachlorobutadiene
Concen: 5.004 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:225 Resp: 10723

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	62.9	32.3	96.9

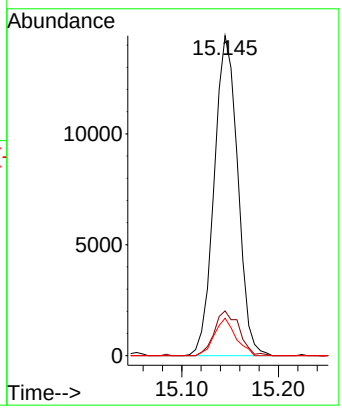




#95
Naphthalene
Concen: 4.212 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:128 Resp: 2436

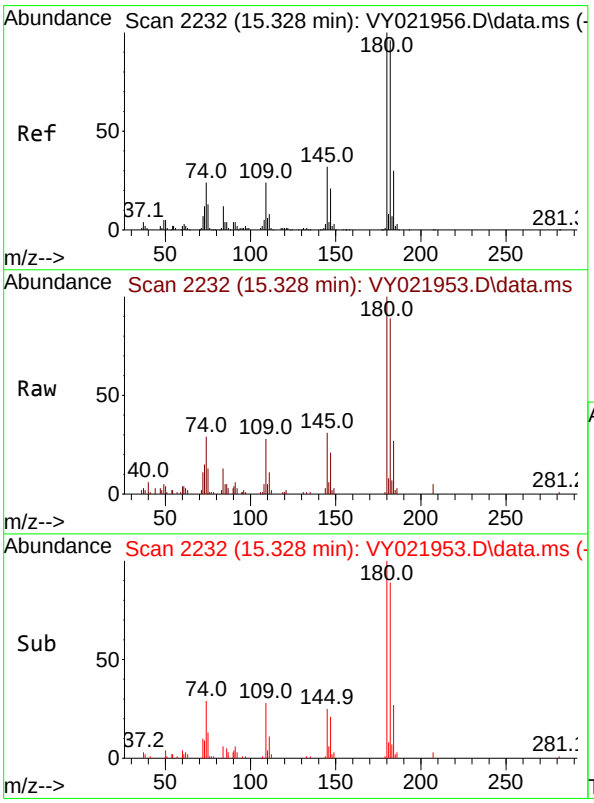
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.6	16.0
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

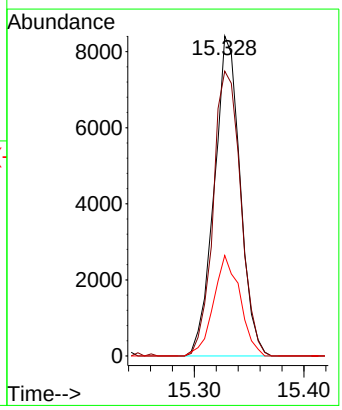
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.585 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:180 Resp: 13785

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	32.3	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.640%#		
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.660%#		
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.240%#		
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14895m	10.248	ug/l	
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	7906m	9.813	ug/l		
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l		99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l		98
44) Trichloroethene	8.865	130	37414	10.534	ug/l		91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l		98
46) Dibromomethane	9.231	93	17848	10.055	ug/l		98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l		97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l		97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l	#	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l		98
52) Toluene	10.170	92	84571	10.189	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l		98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l		98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l		98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l		97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l		99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l		99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l		99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l		99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l		96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l		100
69) o-Xylene	11.956	106	53458	9.521	ug/l		98
70) Styrene	11.969	104	90382	9.588	ug/l		99
71) Bromoform	12.133	173	18480	9.648	ug/l	#	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l		100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	19328m	10.092	ug/l		
77) Bromobenzene	12.529	156	36127	9.845	ug/l		97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l		98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l		98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l		100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l		100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l		100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l		98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l		99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l		83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l		98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l		98
95) Naphthalene	15.145	128	48366	7.904	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

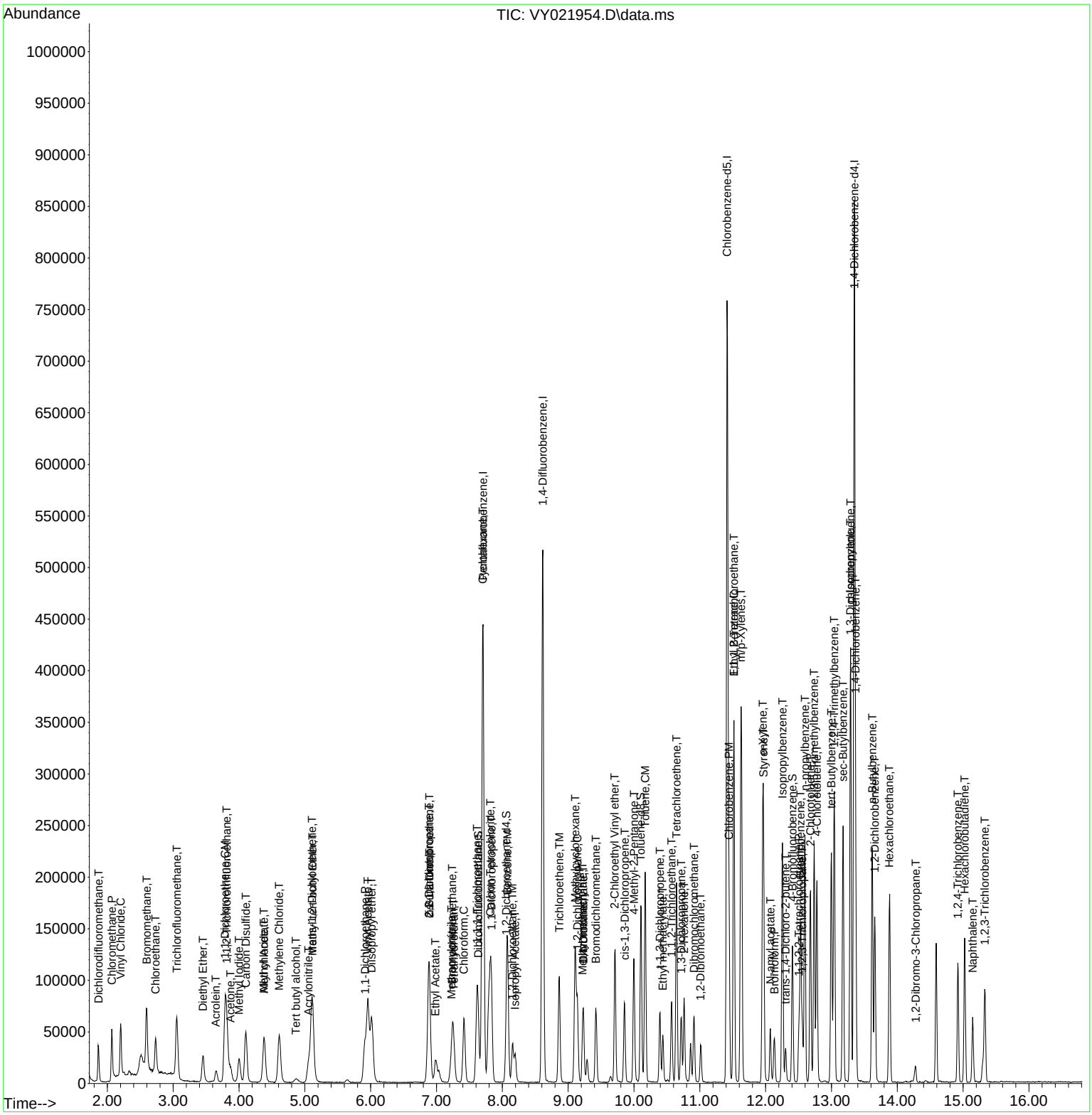
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

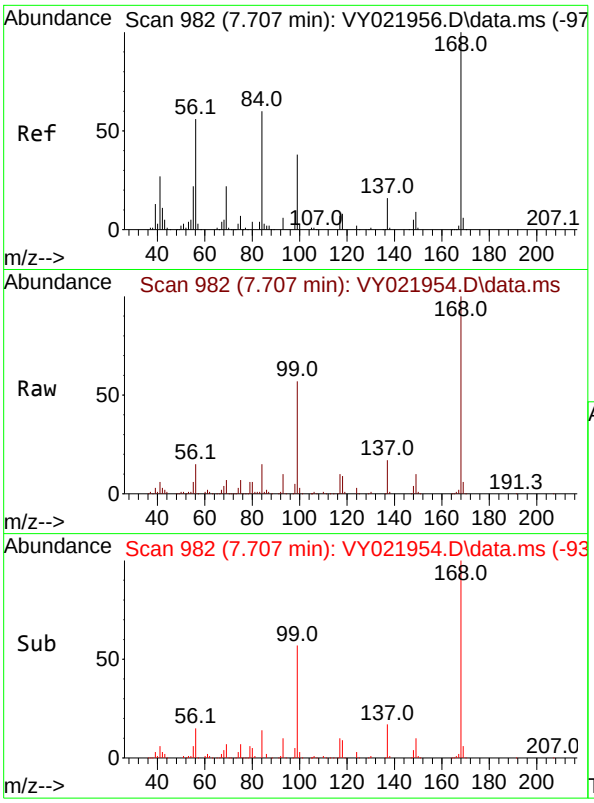
Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

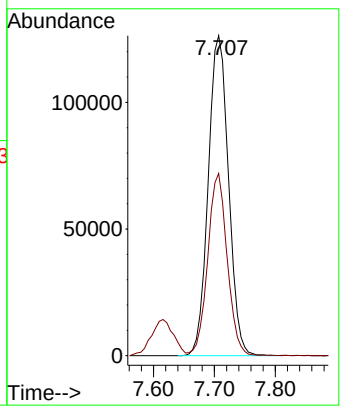




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:168 Resp: 29209

Ion	Ratio	Lower	Upper
168	100		
99	56.9	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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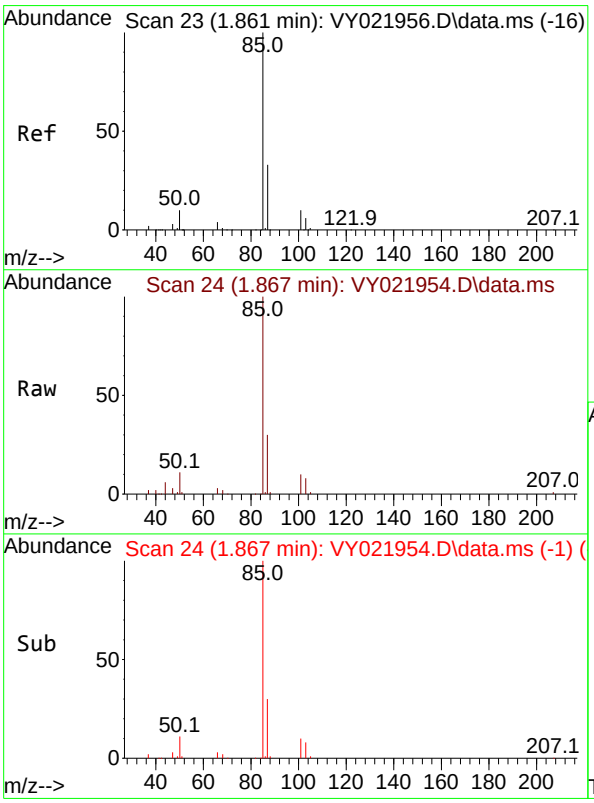
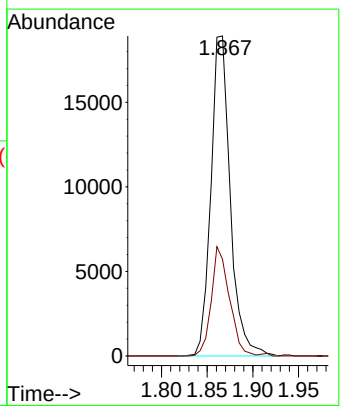
Supervised By :Mahesh Dadoda 04/23/2025

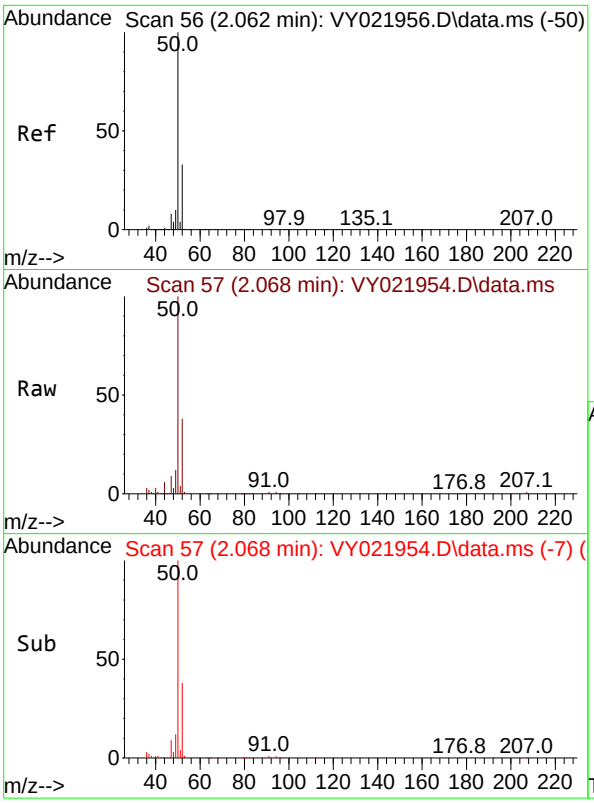


#2
Dichlorodifluoromethane
Concen: 11.202 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 85 Resp: 27882

Ion	Ratio	Lower	Upper
85	100		
87	30.2	16.6	49.7

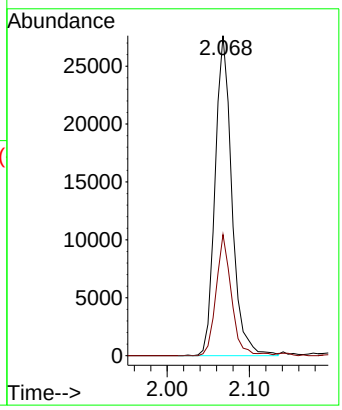




#3
Chloromethane
Concen: 11.052 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 50 Resp: 3916

Ion	Ratio	Lower	Upper
50	100		
52	37.8	26.1	39.1



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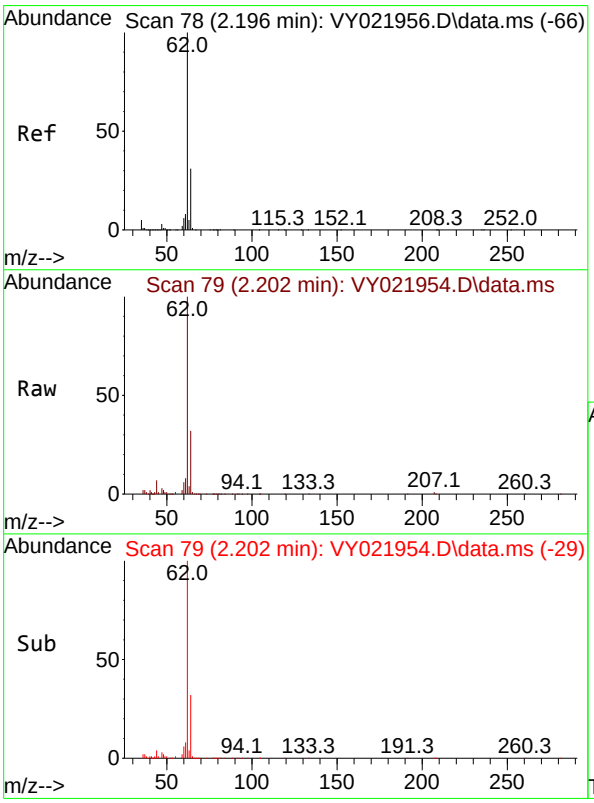
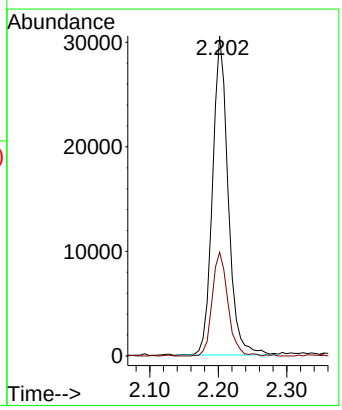
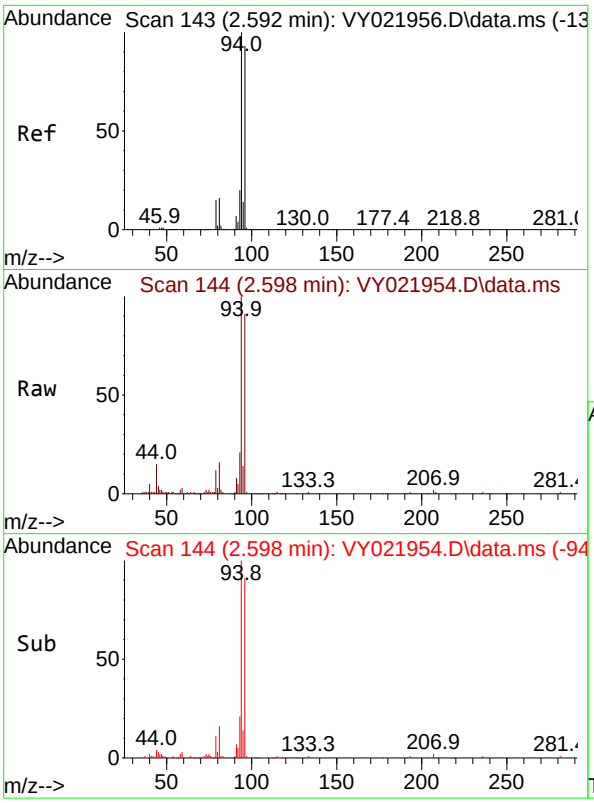


#4
Vinyl Chloride
Concen: 11.131 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 62 Resp: 48475

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.1	37.7





#5
Bromomethane
Concen: 10.859 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 94 Resp: 4074

Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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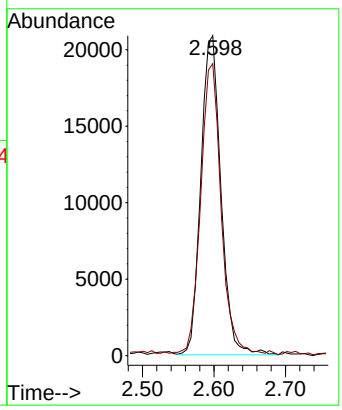
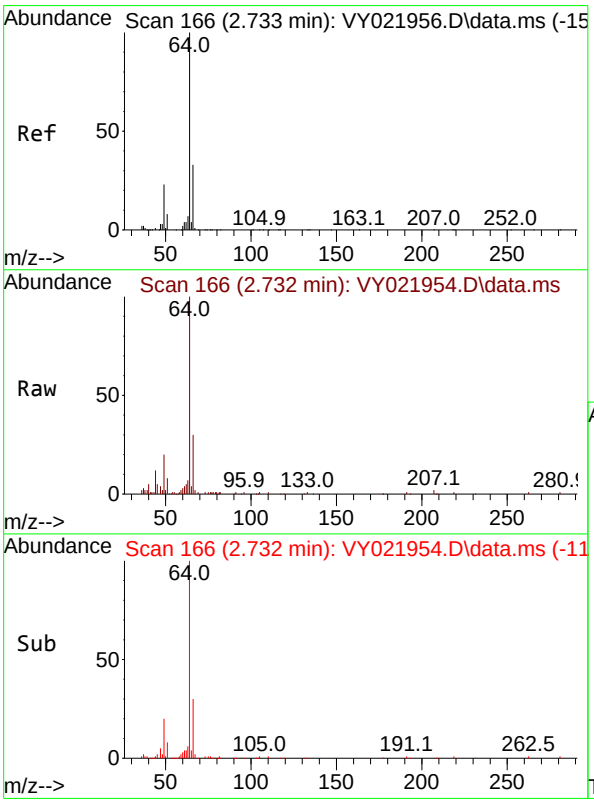
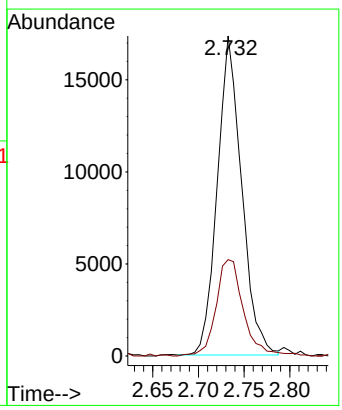


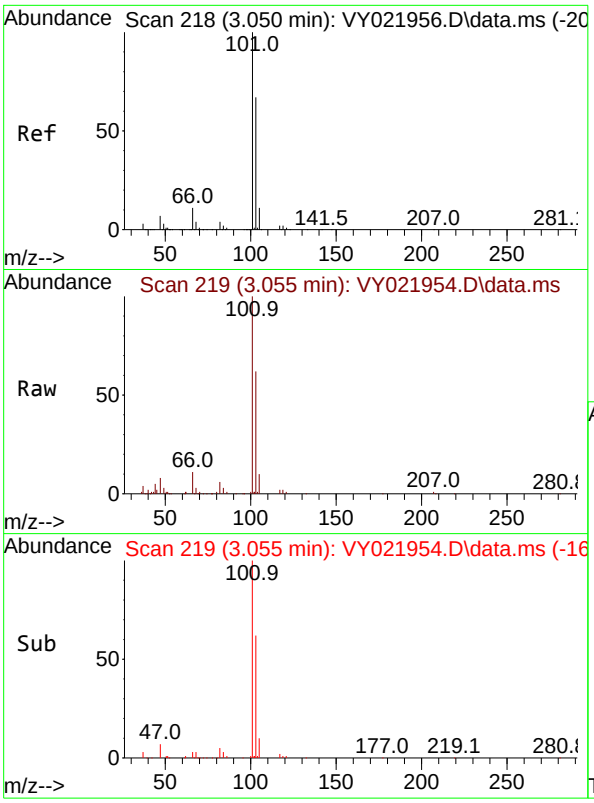


#6
Chloroethane
Concen: 10.830 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 64 Resp: 32122

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.2	39.4

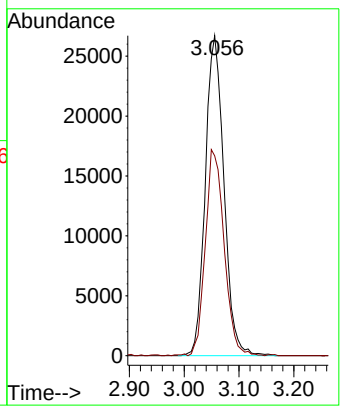




#7
Trichlorofluoromethane
Concen: 10.939 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:101 Resp: 6281

Ion	Ratio	Lower	Upper
101	100		
103	62.4	53.6	80.4



Instrument :
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ClientSampleId :
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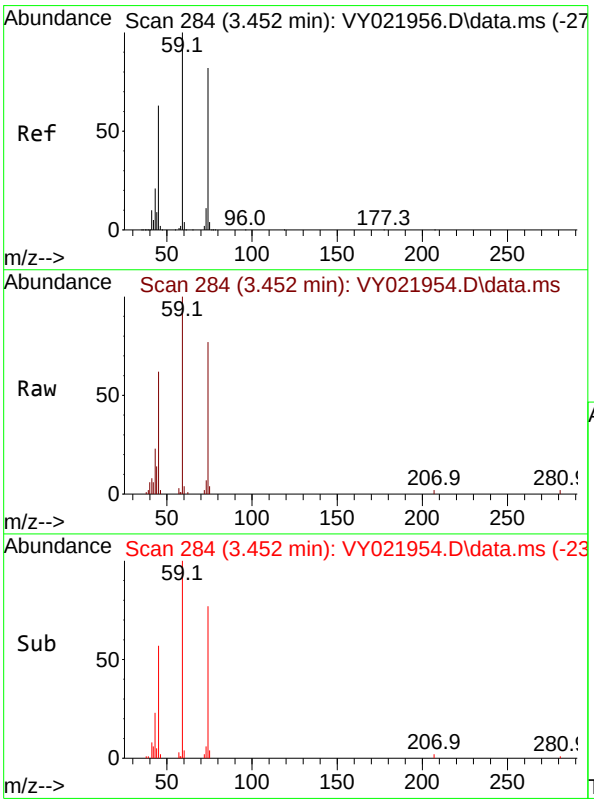
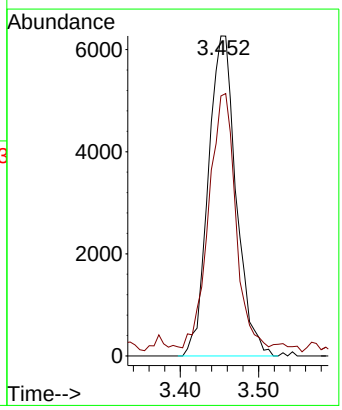
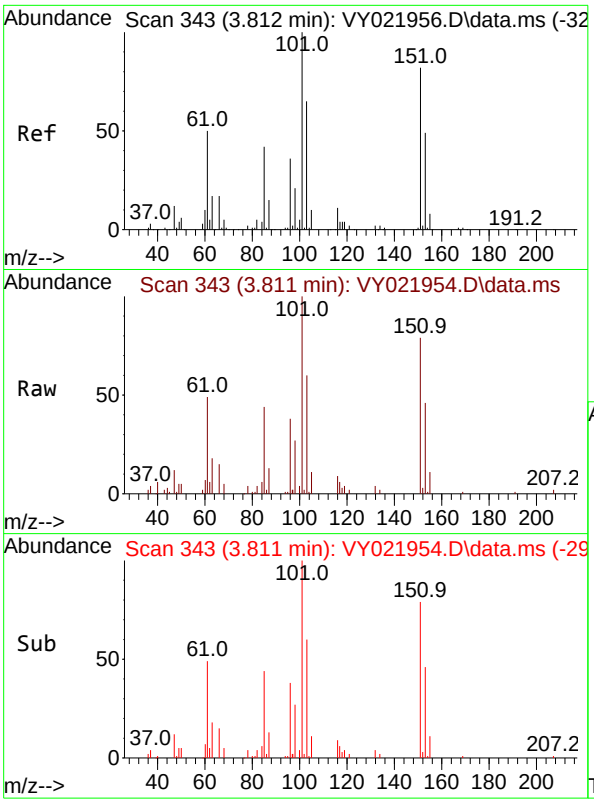


#8
Diethyl Ether
Concen: 10.381 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 74 Resp: 15517

Ion	Ratio	Lower	Upper
74	100		
45	76.1	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.088 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:101 Resp: 3454

Ion	Ratio	Lower	Upper
101	100		
85	44.3	34.6	51.8
151	80.6	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
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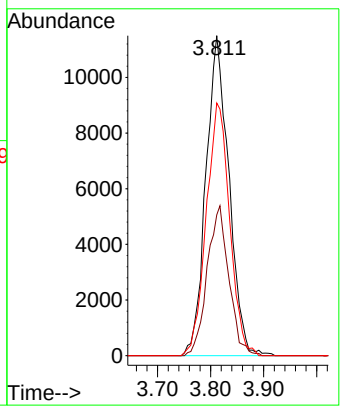
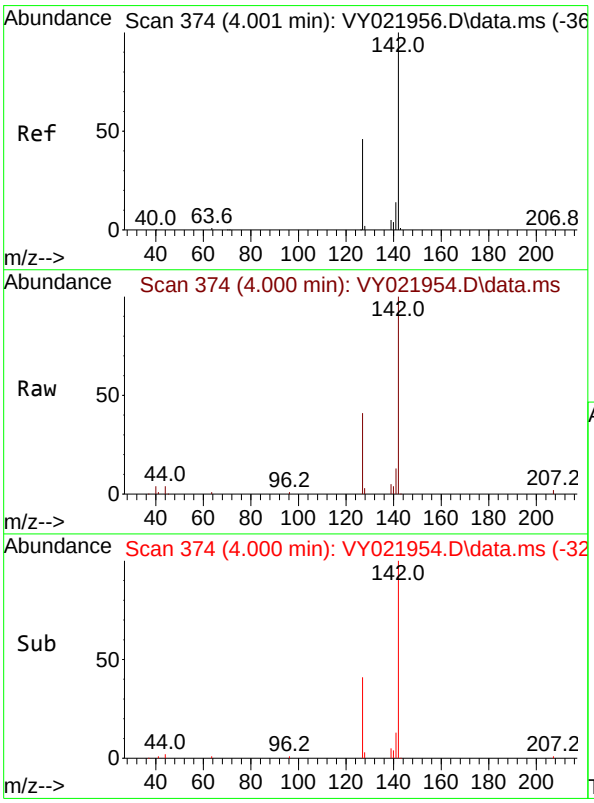
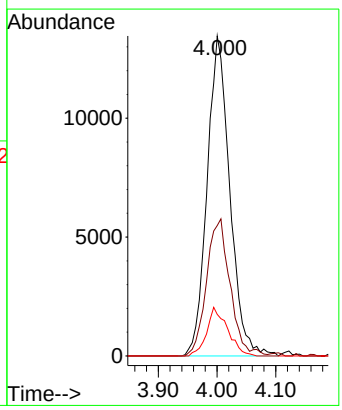


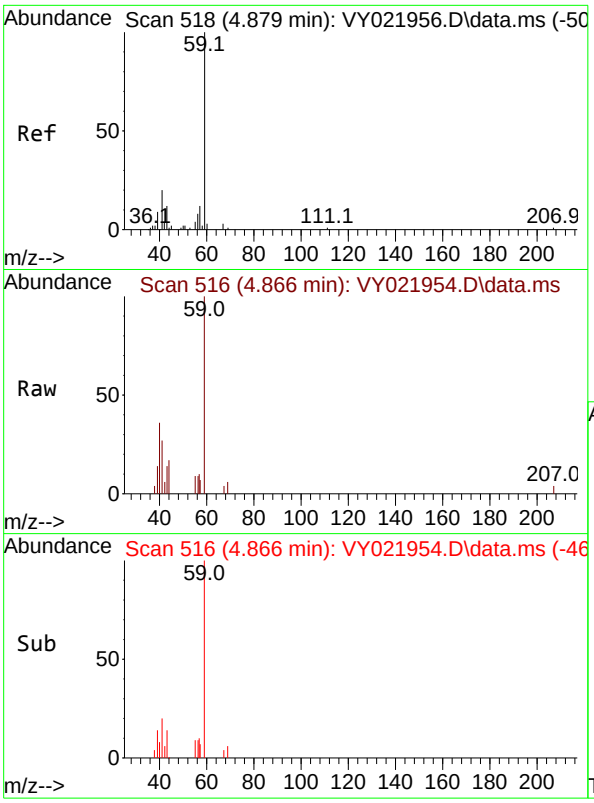


#10
Methyl Iodide
Concen: 10.021 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:142 Resp: 36146

Ion	Ratio	Lower	Upper
142	100		
127	44.3	36.2	54.2
141	14.0	11.7	17.5

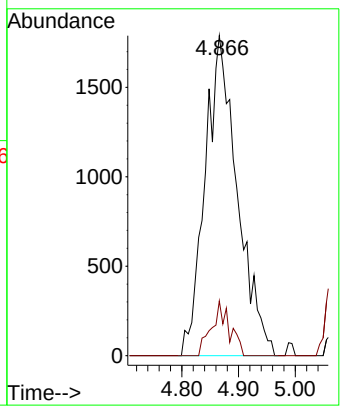




#11
Tert butyl alcohol
Concen: 47.846 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 59 Resp: 708

Ion	Ratio	Lower	Upper
59	100		
57	9.5	9.3	13.9



Instrument :
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ClientSampleId :
VSTDICC010

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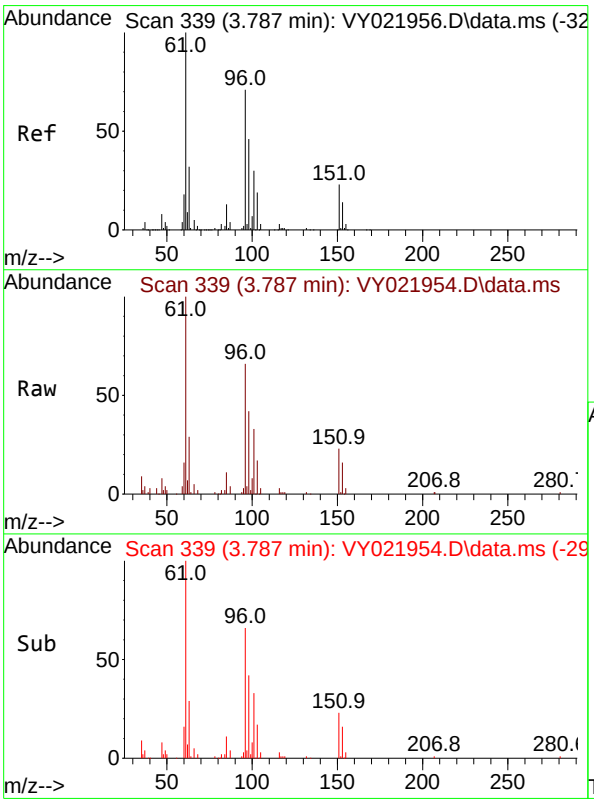
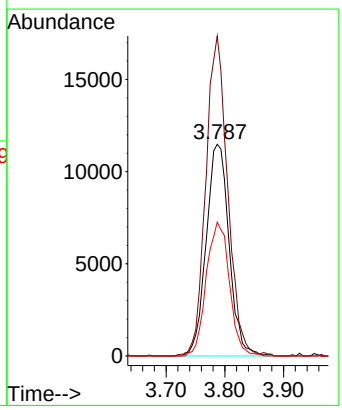
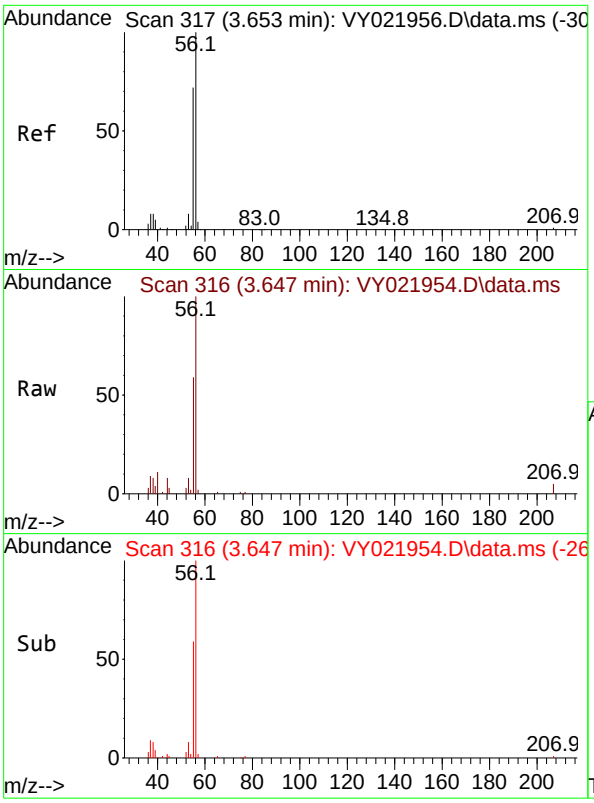


#12
1,1-Dichloroethene
Concen: 10.701 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 96 Resp: 31073

Ion	Ratio	Lower	Upper
96	100		
61	151.2	113.0	169.4
98	63.2	51.4	77.2

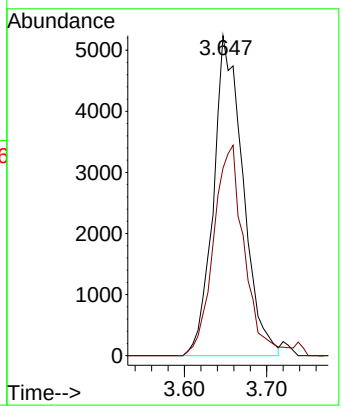




#13
Acrolein
Concen: 49.243 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 56 Resp: 1309

Ion	Ratio	Lower	Upper
56	100		
55	68.5	57.4	86.0



Instrument :
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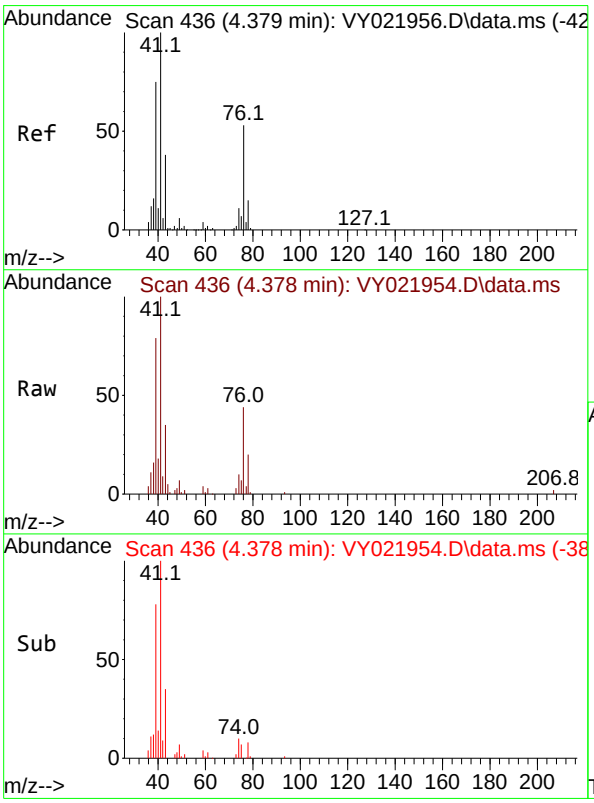
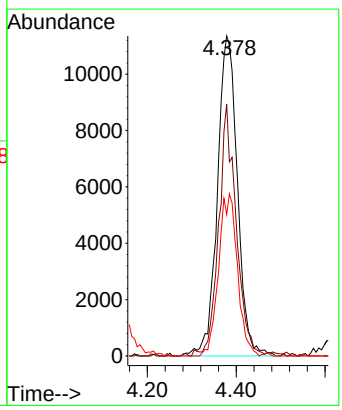
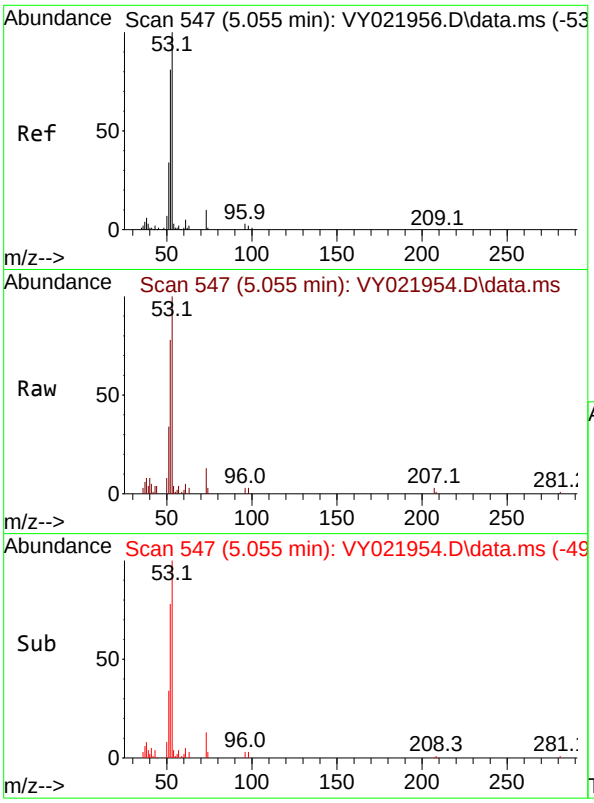


#14
Allyl chloride
Concen: 10.487 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 41 Resp: 35457

Ion	Ratio	Lower	Upper
41	100		
39	68.6	57.2	85.8
76	47.6	39.7	59.5

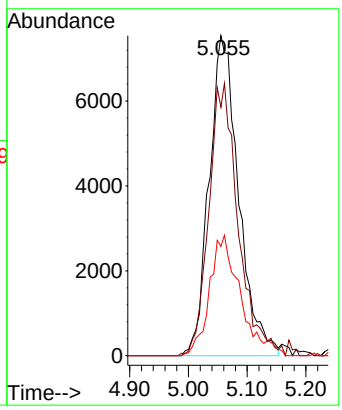




#15
Acrylonitrile
Concen: 48.088 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 53 Resp: 2631

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.0	97.6
51	39.3	28.9	43.3



Instrument :
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ClientSampleId :
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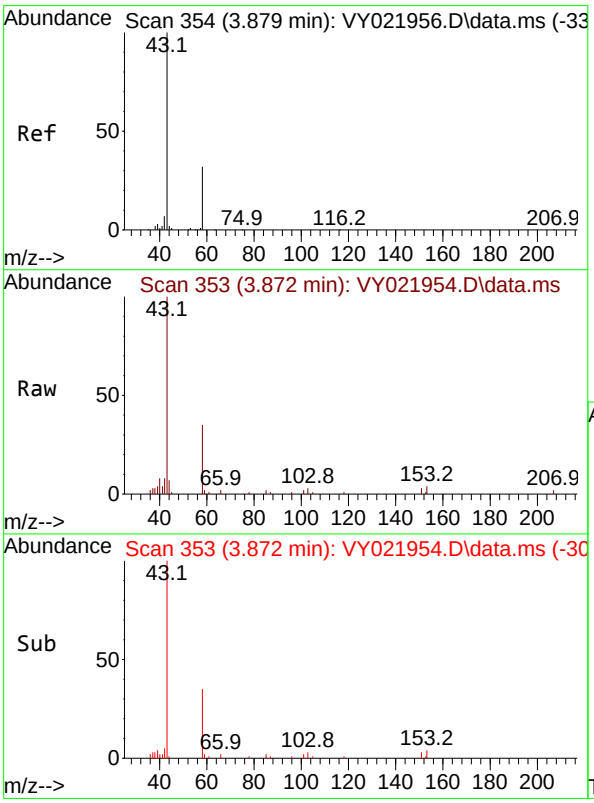
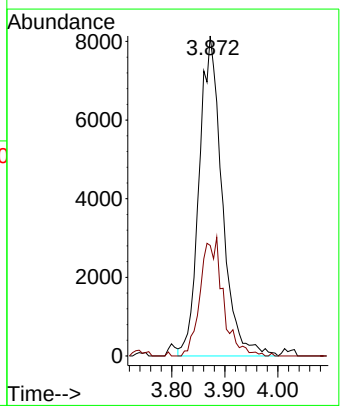
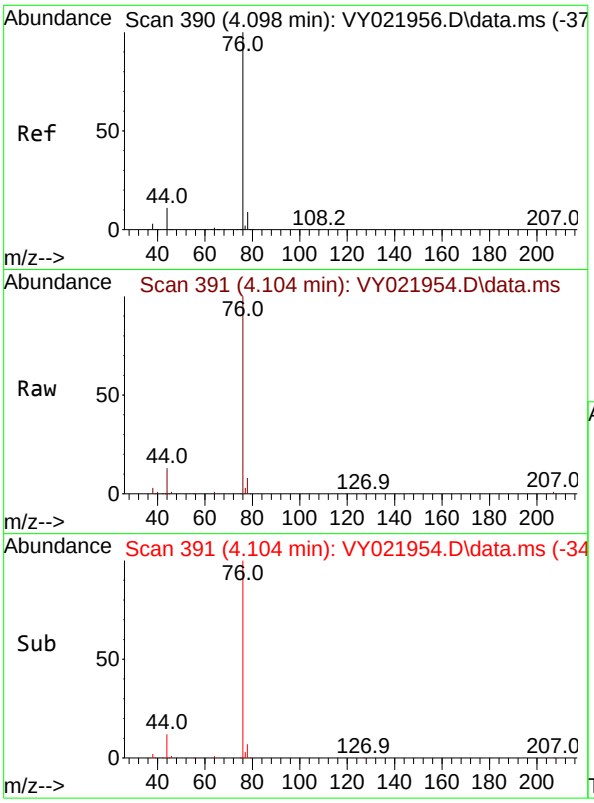


#16
Acetone
Concen: 52.492 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 24497

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4

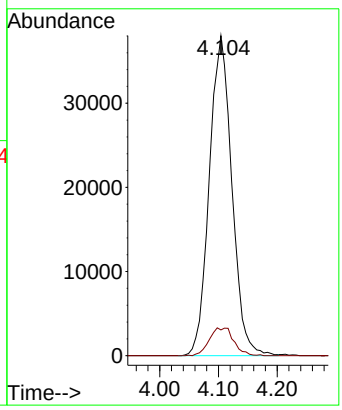




#17
Carbon Disulfide
Concen: 10.962 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 76 Resp: 10149

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
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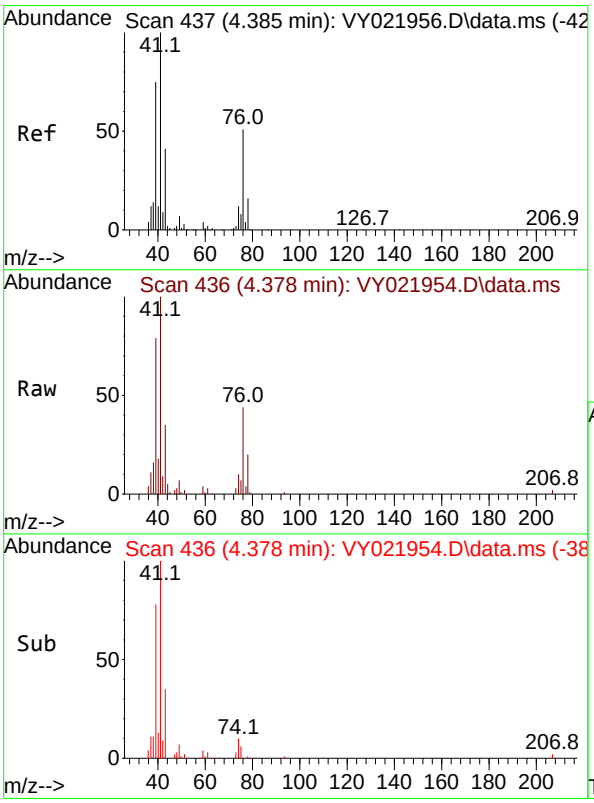
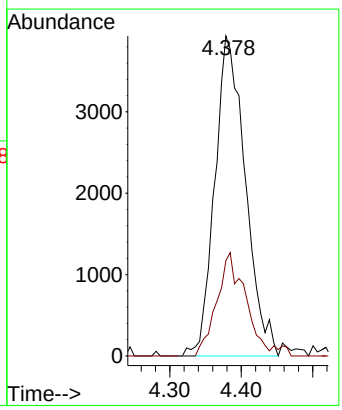
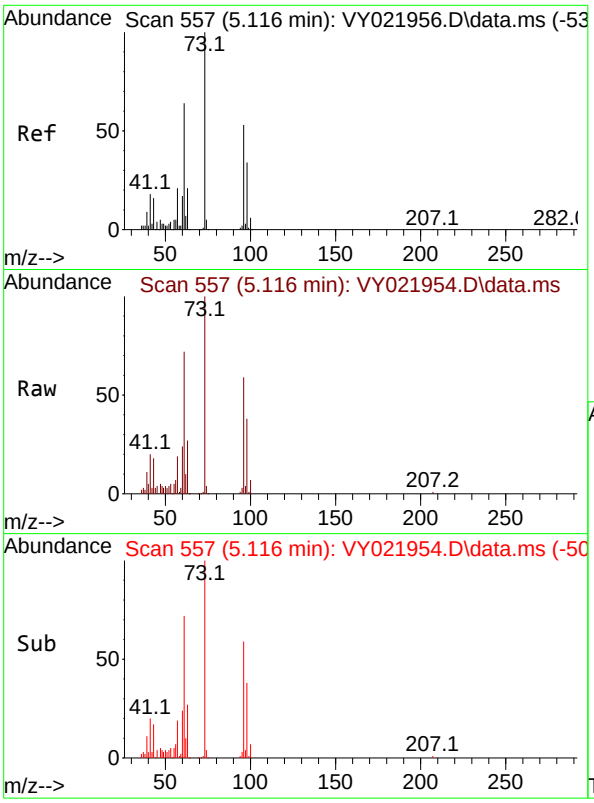


#18
Methyl Acetate
Concen: 9.273 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 11687

Ion	Ratio	Lower	Upper
43	100		
74	29.9	24.2	36.4

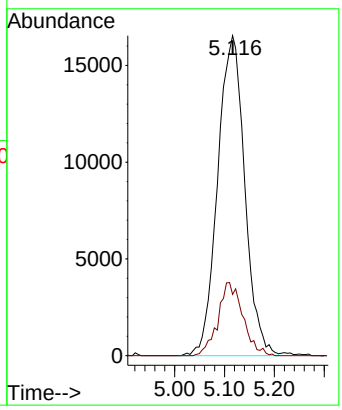




#19
Methyl tert-butyl Ether
Concen: 9.587 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 73 Resp: 6230

Ion	Ratio	Lower	Upper
73	100		
57	19.2	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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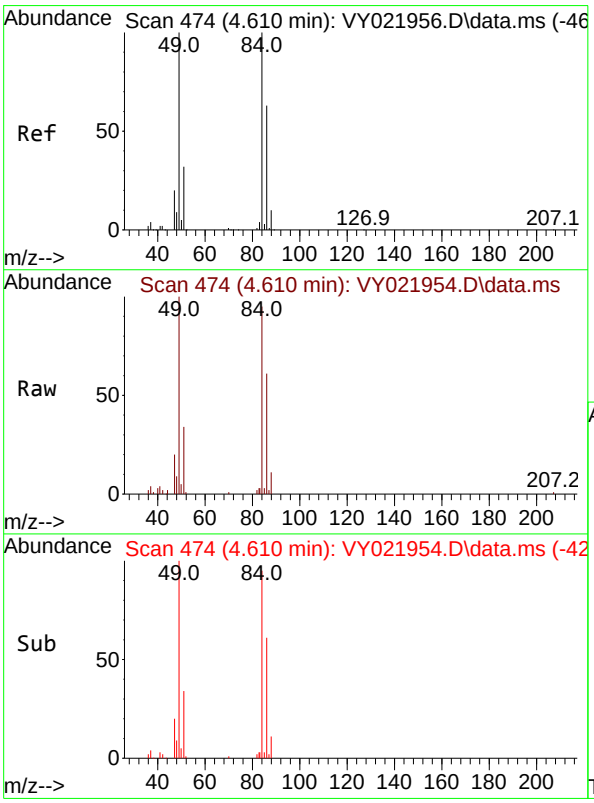
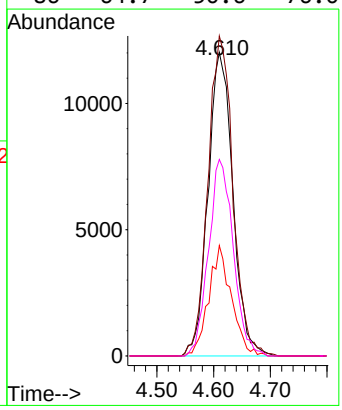
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

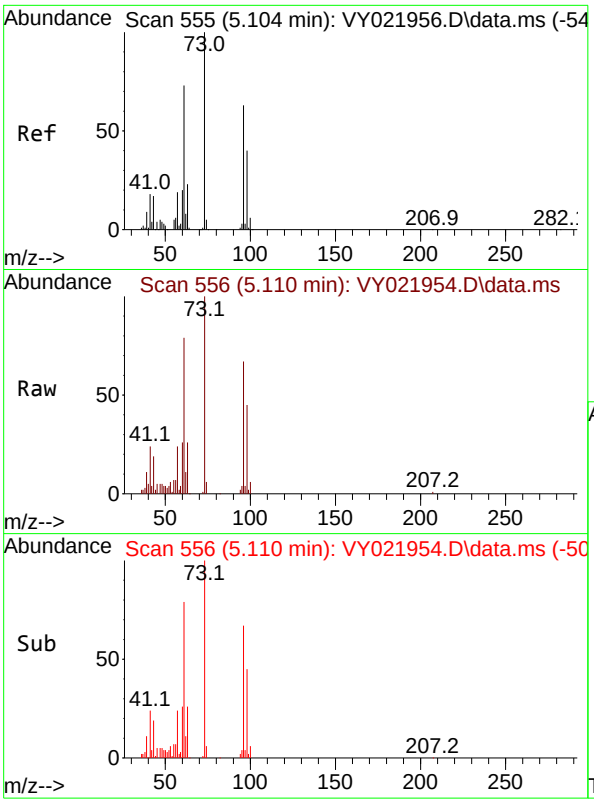


#20
Methylene Chloride
Concen: 10.710 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 84 Resp: 36539

Ion	Ratio	Lower	Upper
84	100		
49	105.4	79.9	119.9
51	36.3	25.4	38.0
86	64.7	50.6	76.0

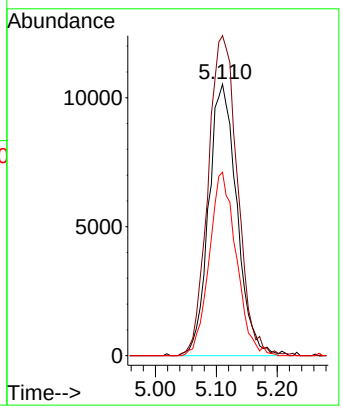




#21
trans-1,2-Dichloroethene
Concen: 10.379 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 96 Resp: 3375

Ion	Ratio	Lower	Upper
96	100		
61	117.9	92.6	138.8
98	67.6	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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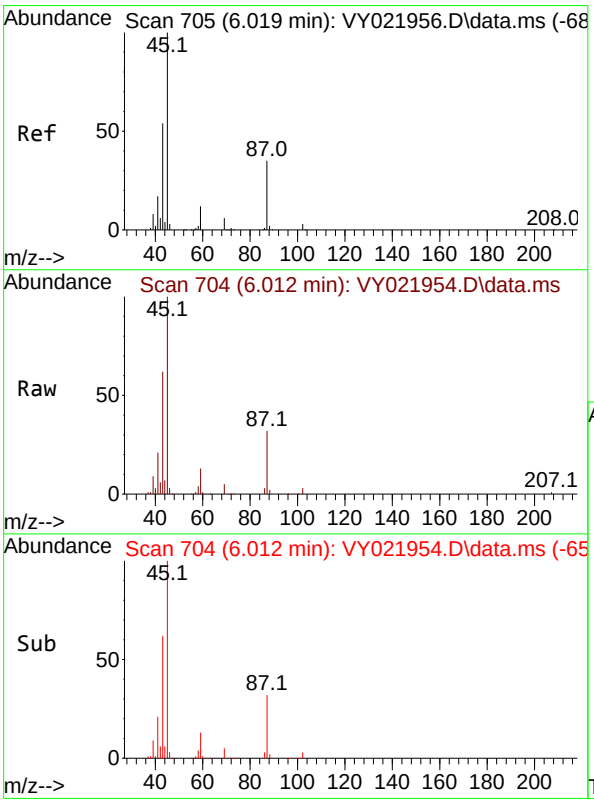
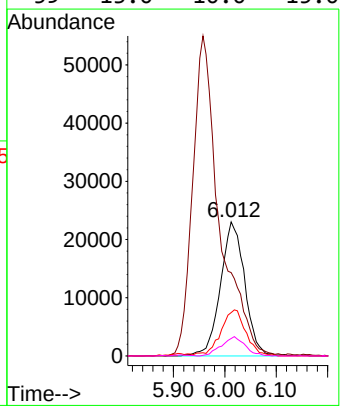
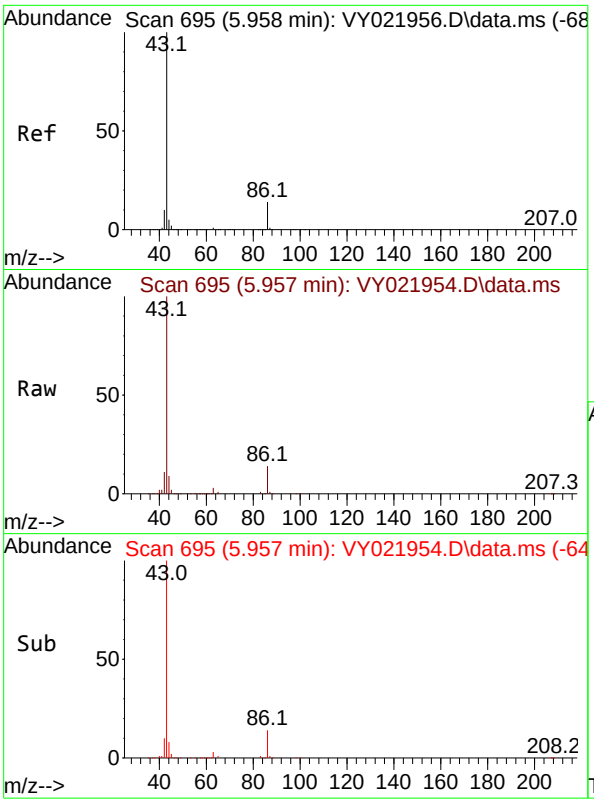


#22
Diisopropyl ether
Concen: 10.028 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 45 Resp: 75451

Ion	Ratio	Lower	Upper
45	100		
43	60.5	43.6	65.4
87	32.4	28.2	42.4
59	13.0	10.0	15.0





#23
Vinyl Acetate
Concen: 49.260 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 19975

Ion	Ratio	Lower	Upper
43	100		
86	14.3	11.1	16.7

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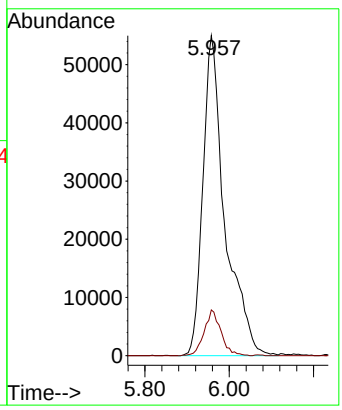
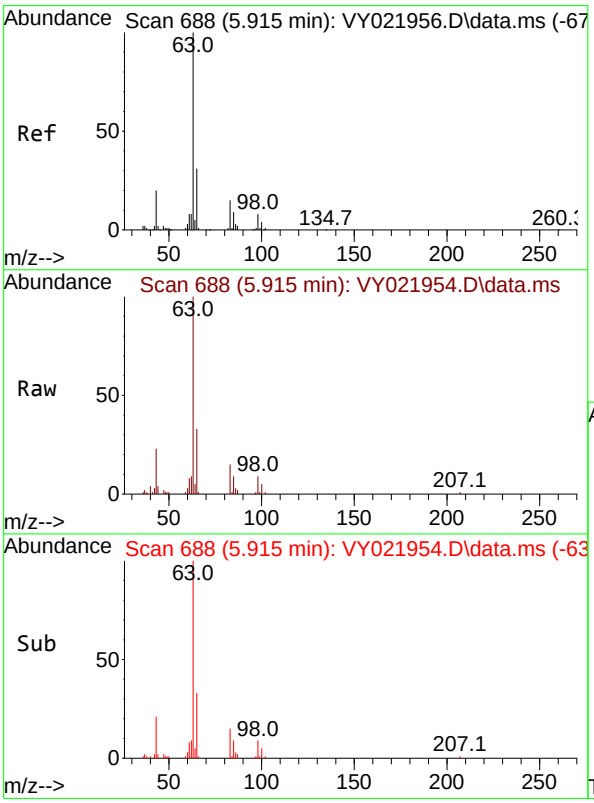
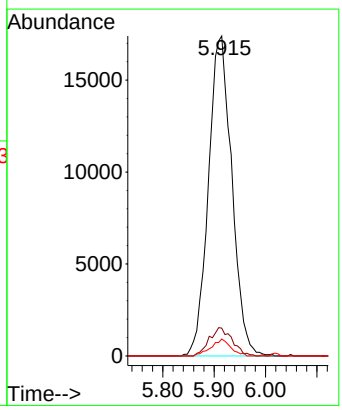


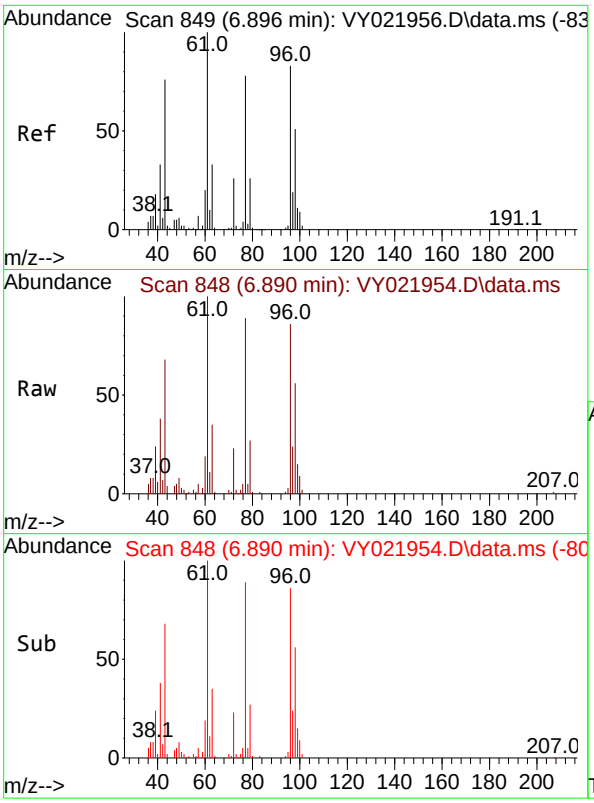


#24
1,1-Dichloroethane
Concen: 10.558 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 63 Resp: 55067

Ion	Ratio	Lower	Upper
63	100		
98	8.7	4.0	11.9
100	5.3	2.0	6.0

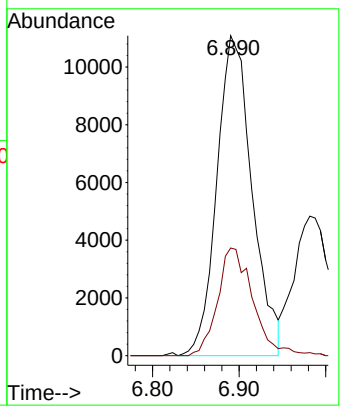




#25
2-Butanone
Concen: 50.973 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 3134

Ion	Ratio	Lower	Upper
43	100		
72	33.6	27.0	40.4



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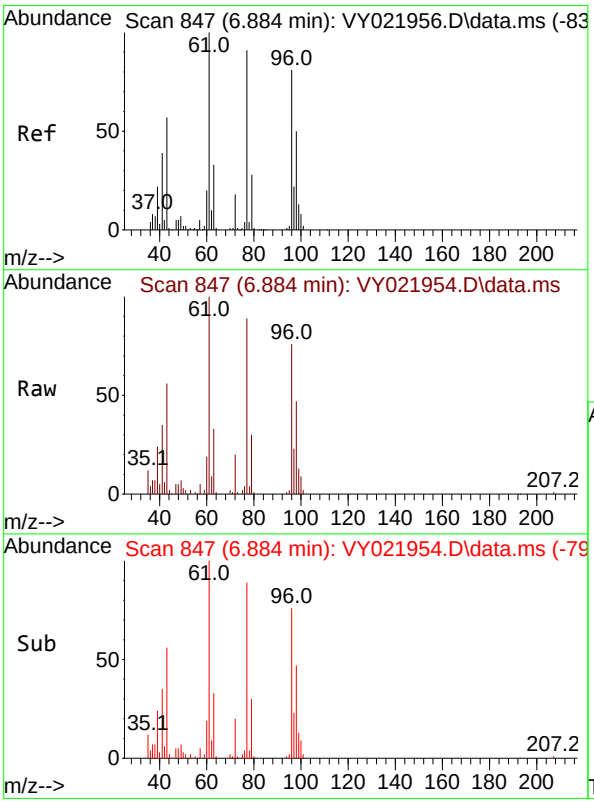
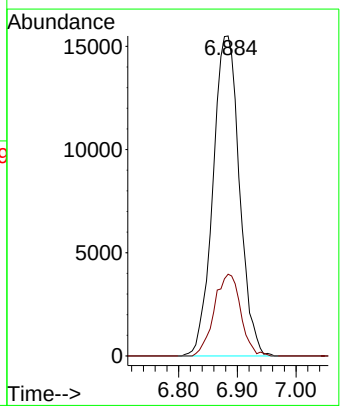
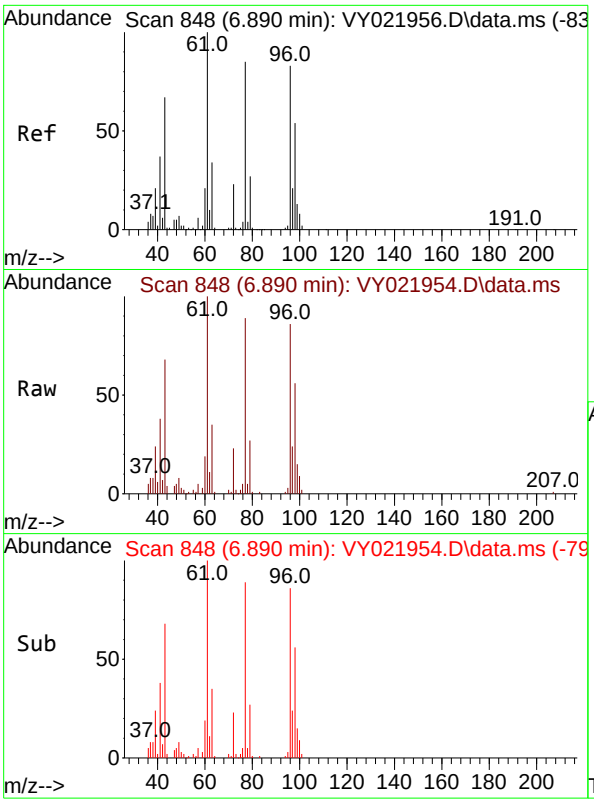


#26
2,2-Dichloropropane
Concen: 10.610 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 77 Resp: 48501

Ion	Ratio	Lower	Upper
77	100		
97	25.5	12.4	37.4

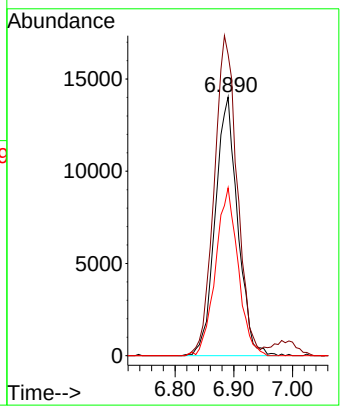




#27
cis-1,2-Dichloroethene
Concen: 10.253 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 96 Resp: 3728

Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	251.4
98	65.1	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
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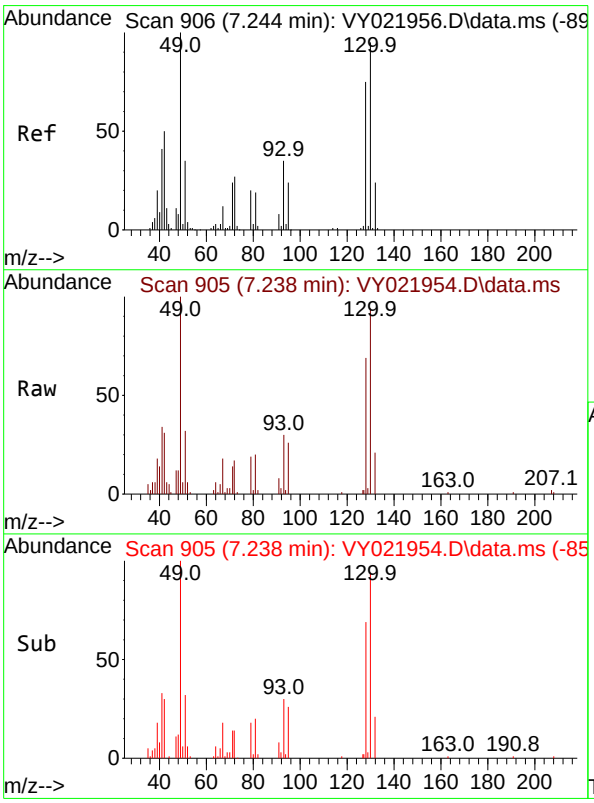
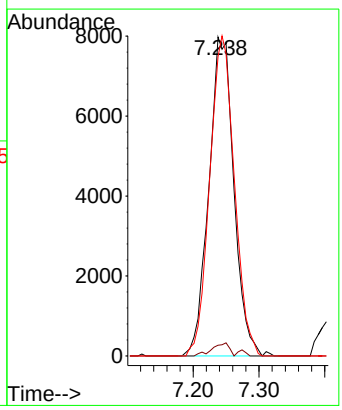
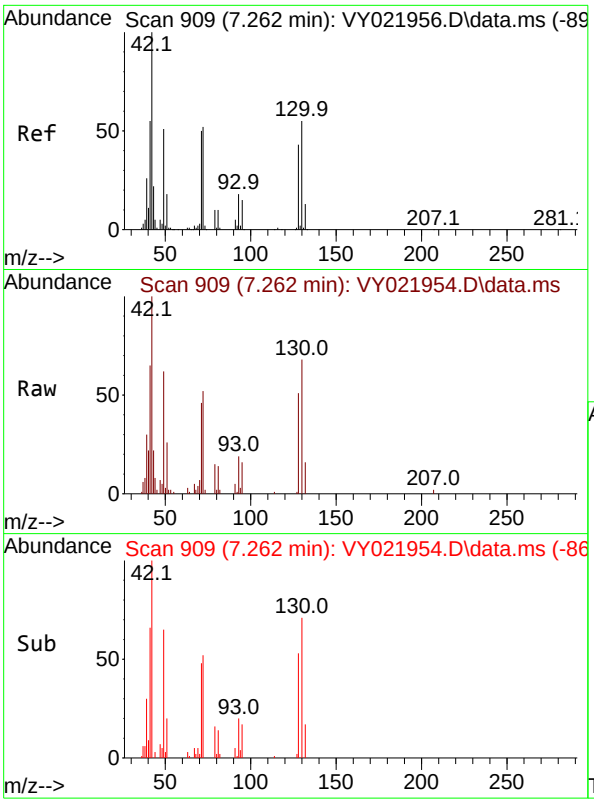


#28
Bromochloromethane
Concen: 10.426 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 49 Resp: 21122

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	98.7	78.2	117.4

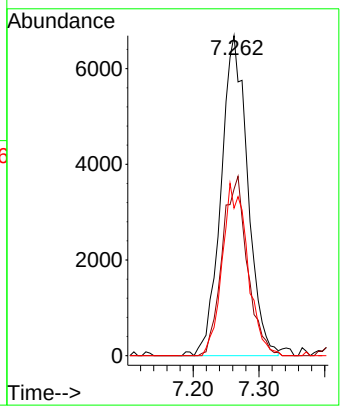




#29
Tetrahydrofuran
Concen: 47.274 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 42 Resp: 1888

Ion	Ratio	Lower	Upper
42	100		
72	53.0	42.6	63.8
71	51.0	40.6	61.0



Instrument :
MSVOA_Y
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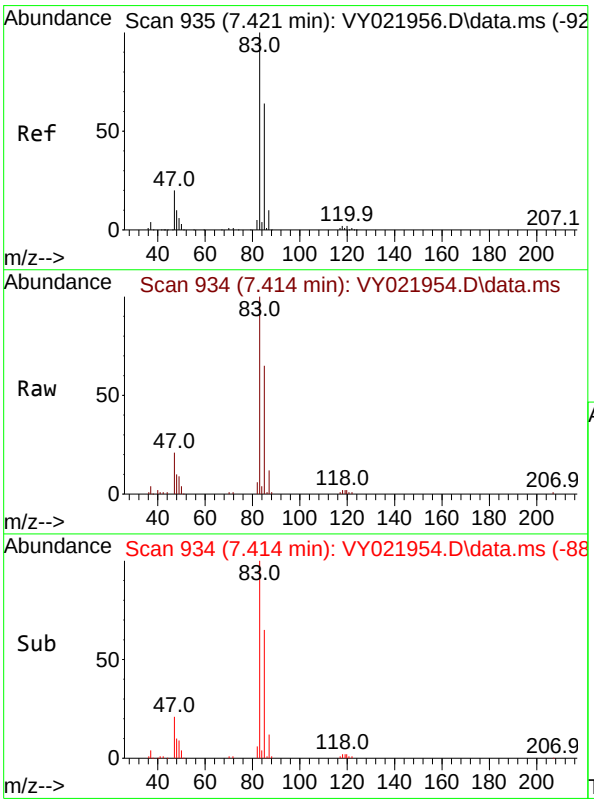
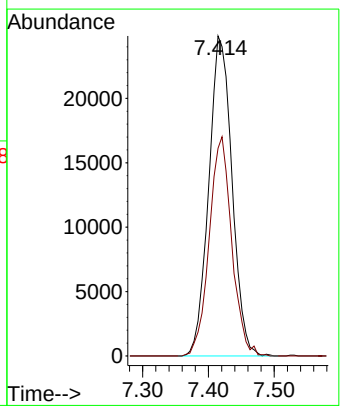
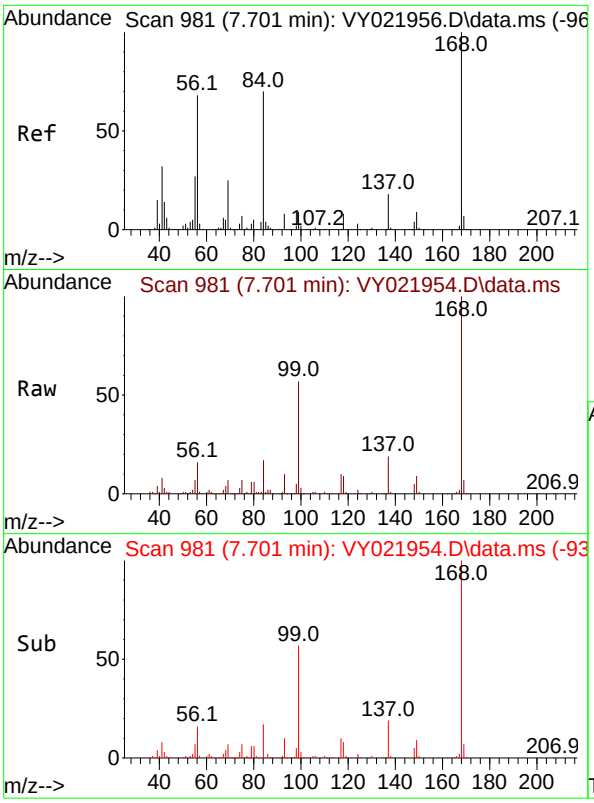


#30
Chloroform
Concen: 10.559 ug/l
RT: 7.414 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 83 Resp: 61088

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9

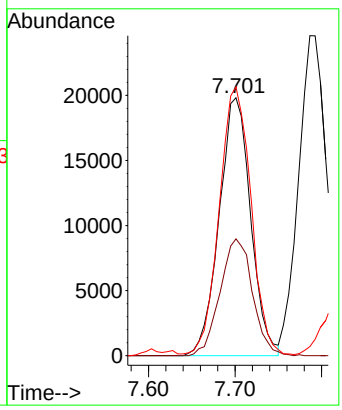




#31
Cyclohexane
Concen: 11.229 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 56 Resp: 5008

Ion	Ratio	Lower	Upper
56	100		
69	45.3	29.4	44.2#
84	103.5	82.2	123.4



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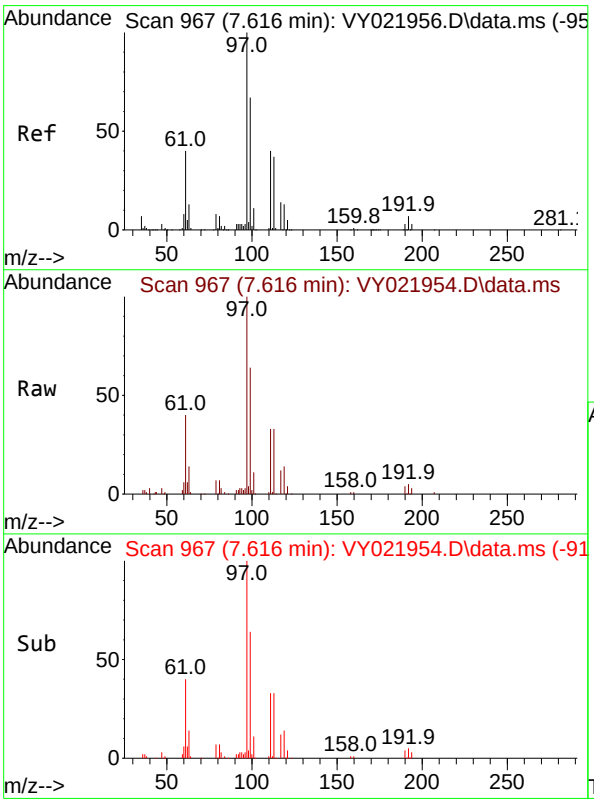
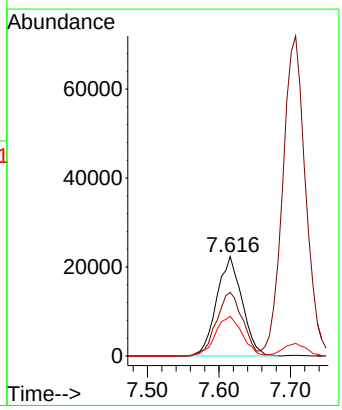
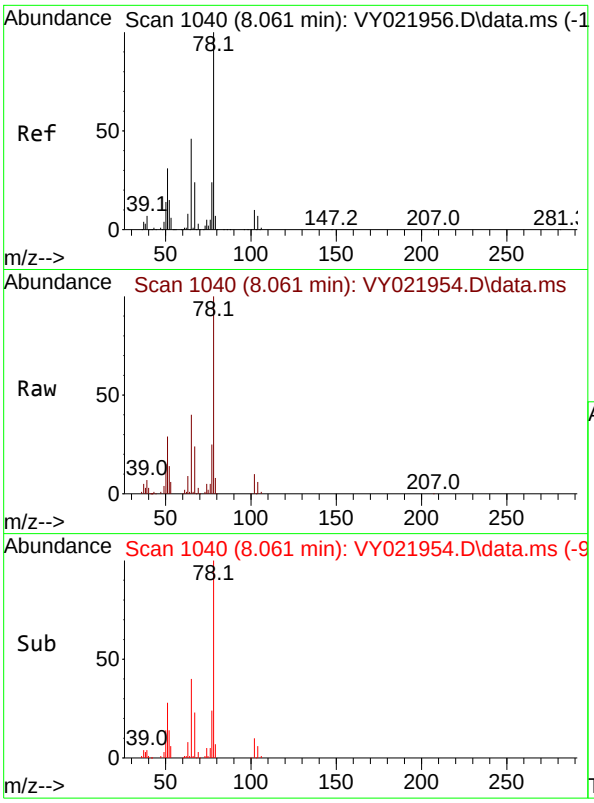


#32
1,1,1-Trichloroethane
Concen: 10.540 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 97 Resp: 55163

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.2
61	42.0	31.4	47.2

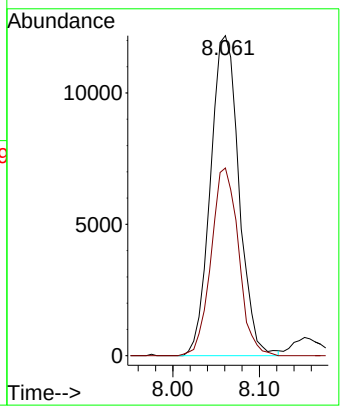




#33
1,2-Dichloroethane-d4
Concen: 10.325 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 65 Resp: 2785

Ion	Ratio	Lower	Upper
65	100		
67	56.4	0.0	105.8



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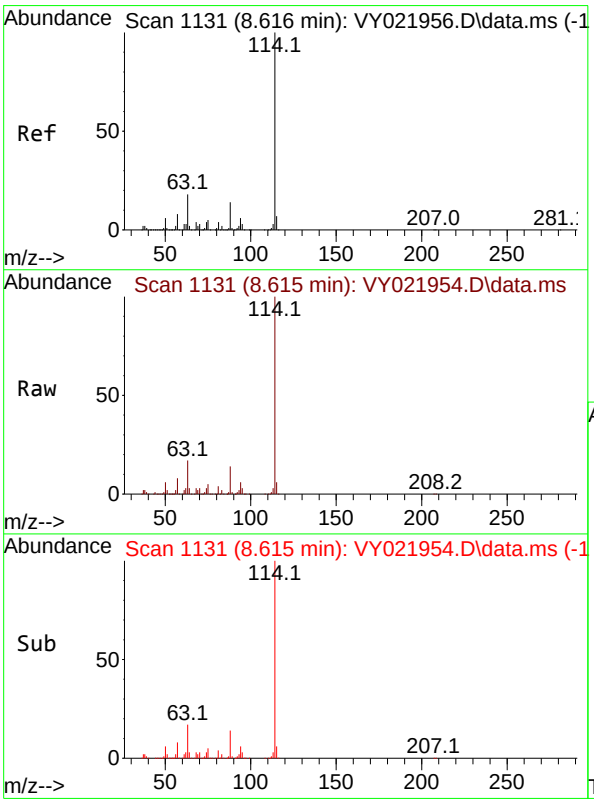
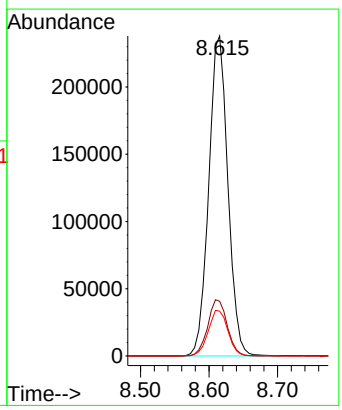
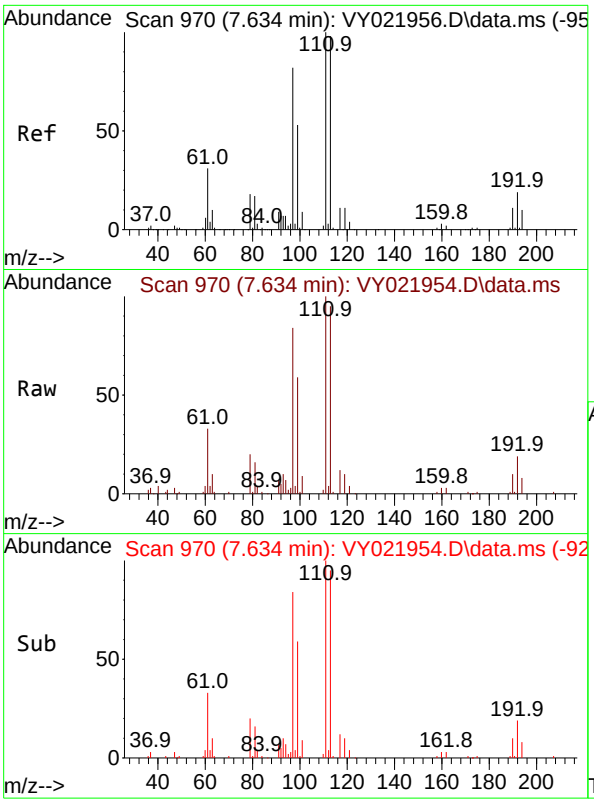


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:114 Resp: 462235

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	35.4
88	14.0	0.0	28.2

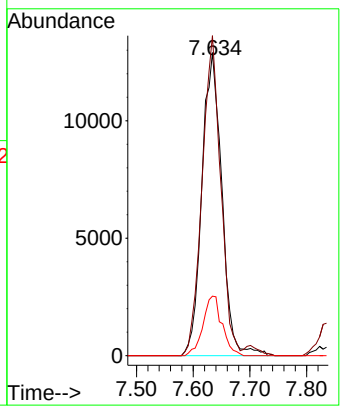




#35
Dibromofluoromethane
Concen: 10.335 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:113 Resp: 3156

Ion	Ratio	Lower	Upper
113	100		
111	98.0	81.8	122.8
192	18.8	15.6	23.4



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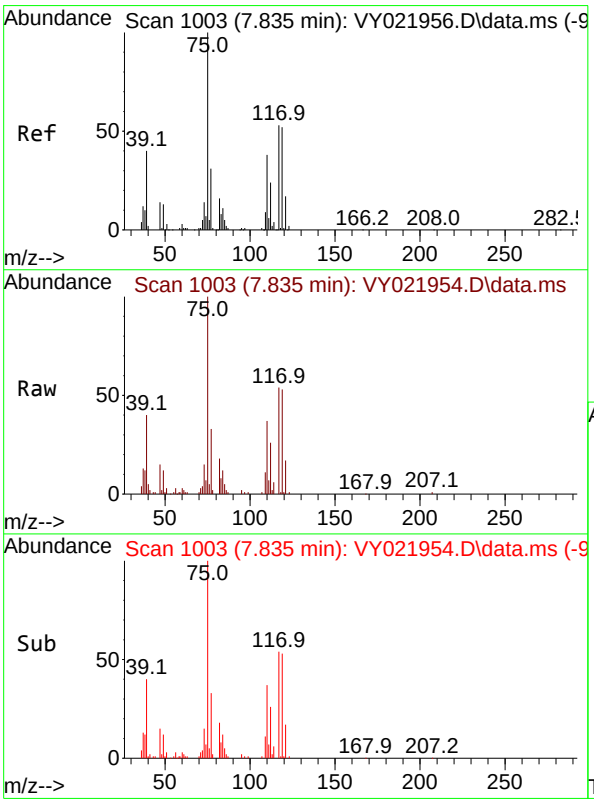
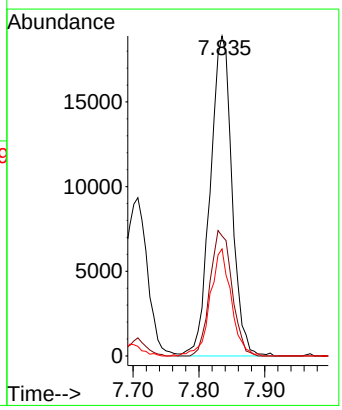
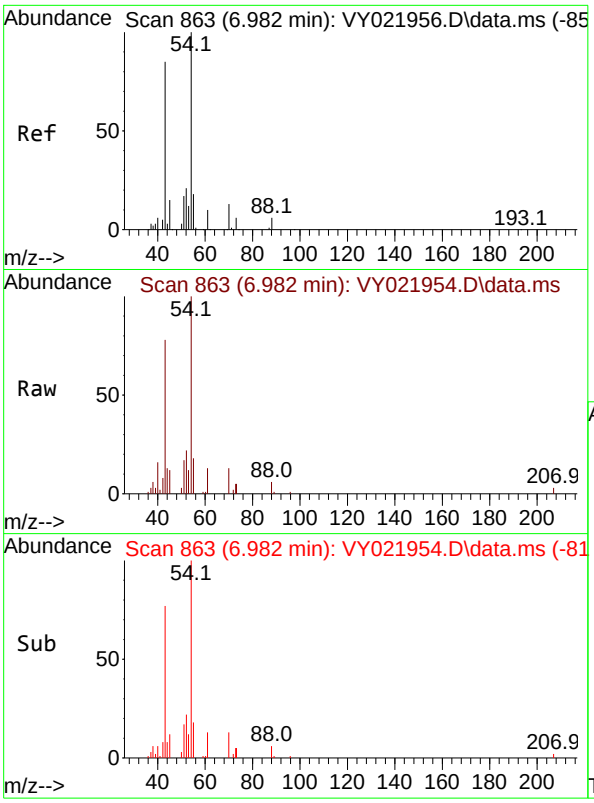


#36
1,1-Dichloropropene
Concen: 10.604 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 43496

Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.1	57.3
77	32.3	25.5	38.3

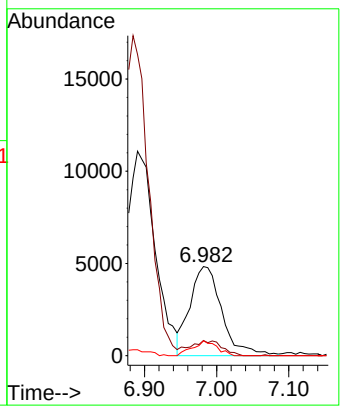




#37
Ethyl Acetate
Concen: 10.248 ug/l m
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 1489

Ion	Ratio	Lower	Upper
43	100		
61	14.7	13.8	20.6
70	12.6	9.2	13.8



Instrument :
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ClientSampleId :
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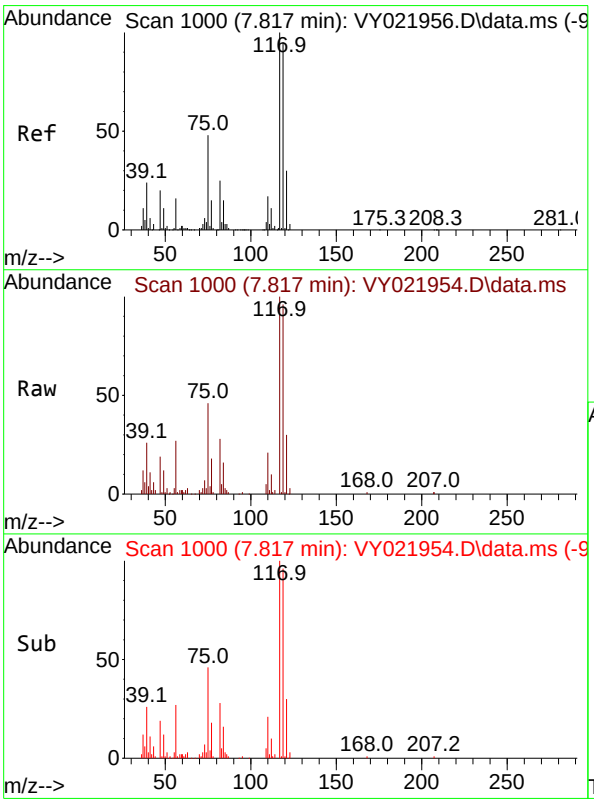
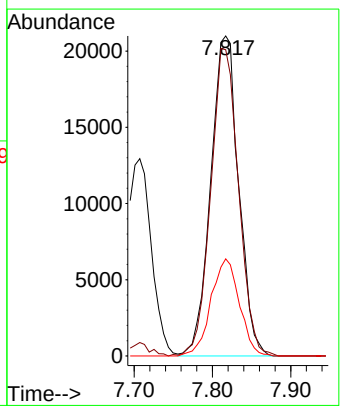
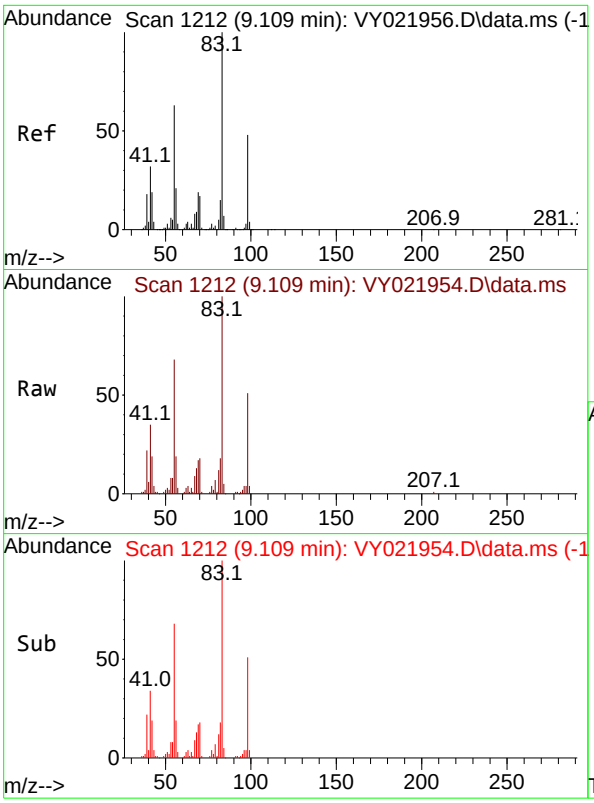


#38
Carbon Tetrachloride
Concen: 10.625 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:117 Resp: 52079

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.4
121	30.4	24.0	36.0





#39
Methylcyclohexane
Concen: 10.194 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

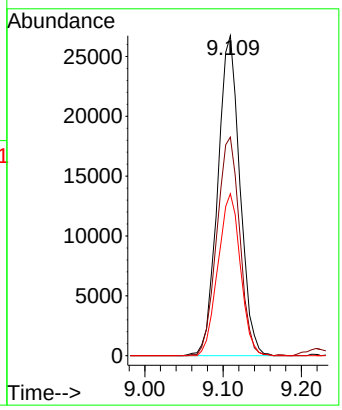
Tgt Ion: 83 Resp: 5262

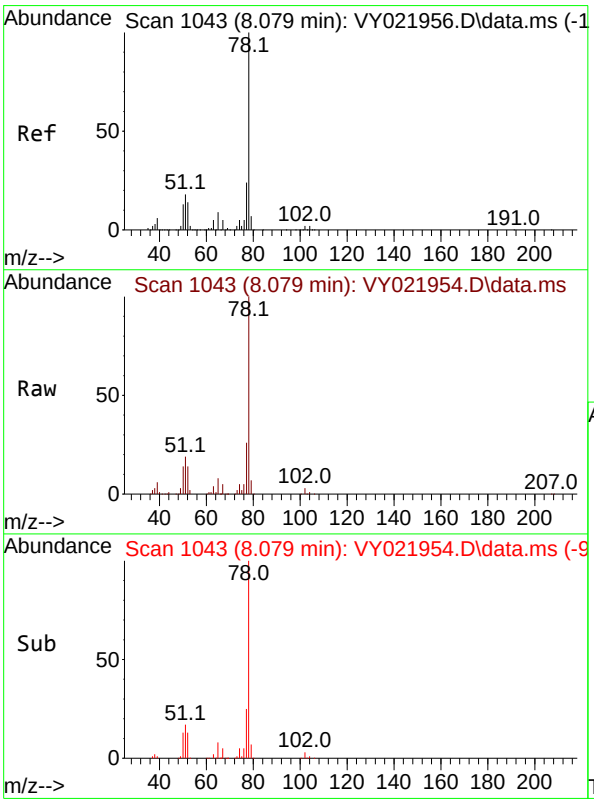
Ion	Ratio	Lower	Upper
83	100		
55	68.3	50.6	75.8
98	50.6	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

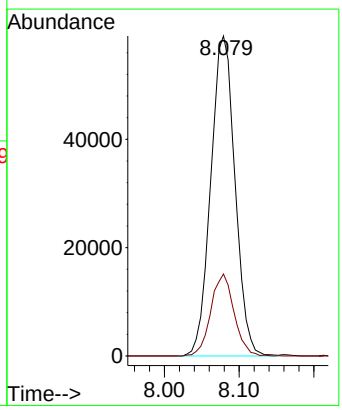


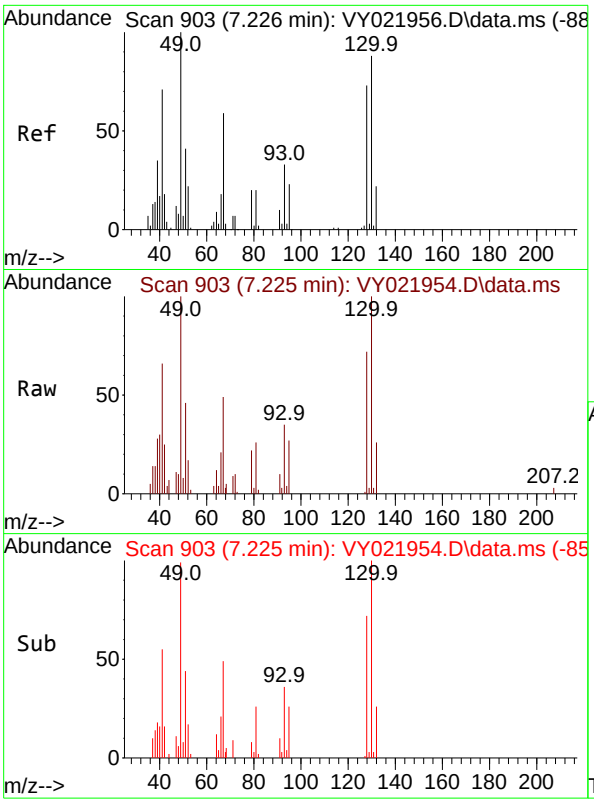


#40
Benzene
Concen: 10.373 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 78 Resp: 133010

Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.3	28.9

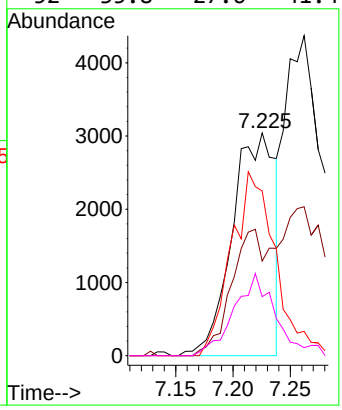




#41
Methacrylonitrile
Concen: 9.813 ug/l m
RT: 7.225 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 41 Resp: 790(

Ion	Ratio	Lower	Upper
41	100		
39	40.9	36.6	55.0
67	85.1	72.2	108.4
52	35.8	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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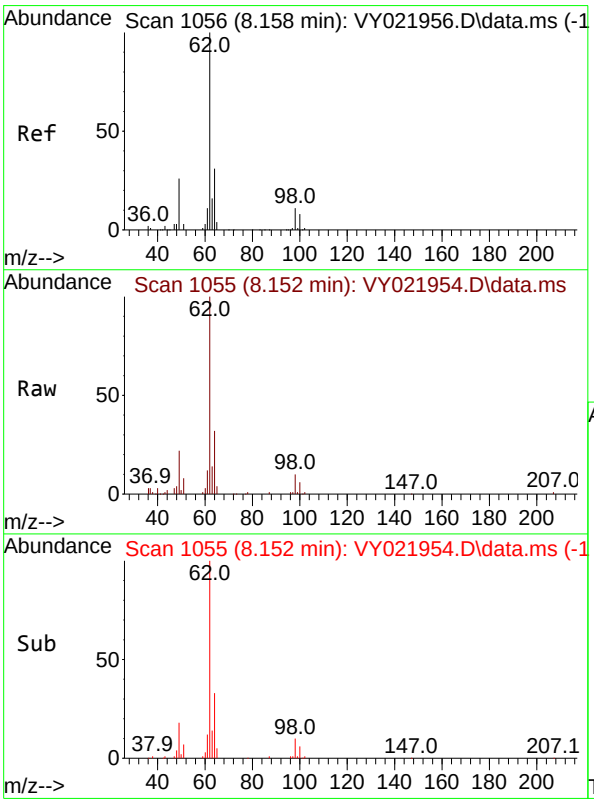
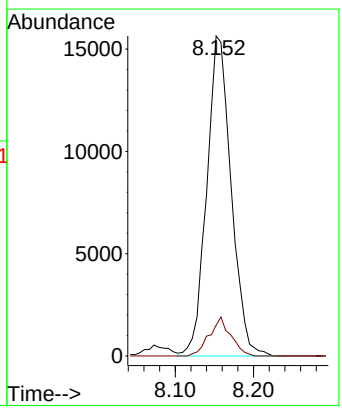
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

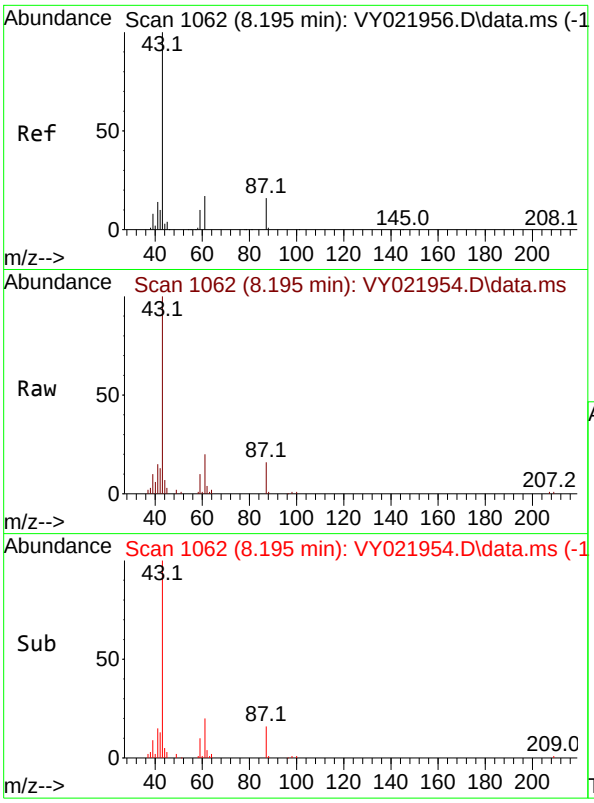


#42
1,2-Dichloroethane
Concen: 10.690 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 62 Resp: 33939

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0

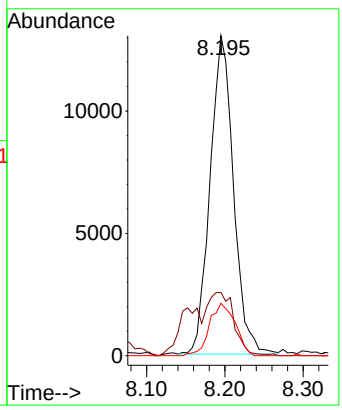




#43
Isopropyl Acetate
Concen: 9.574 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 2708

Ion	Ratio	Lower	Upper
43	100		
61	22.7	18.9	28.3
87	18.1	13.7	20.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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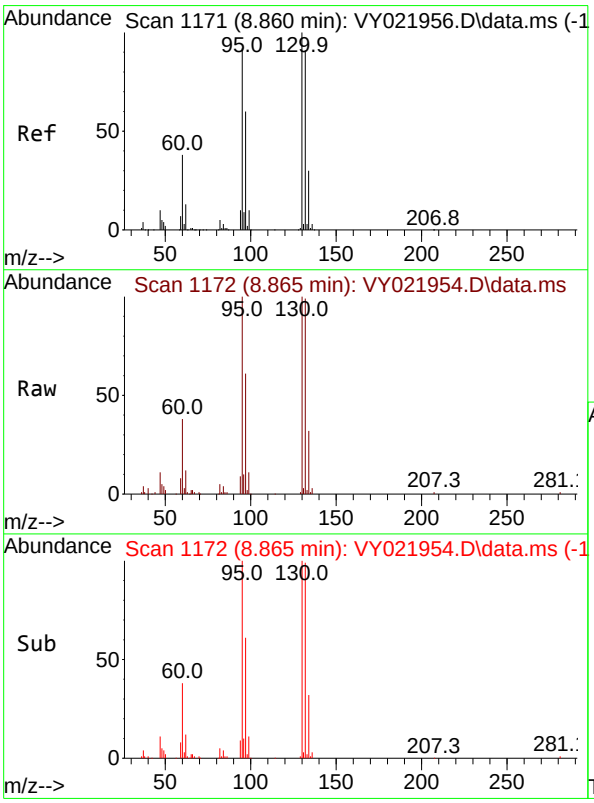
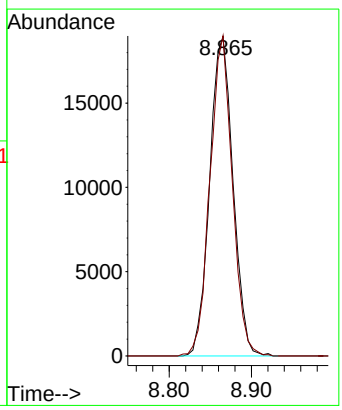
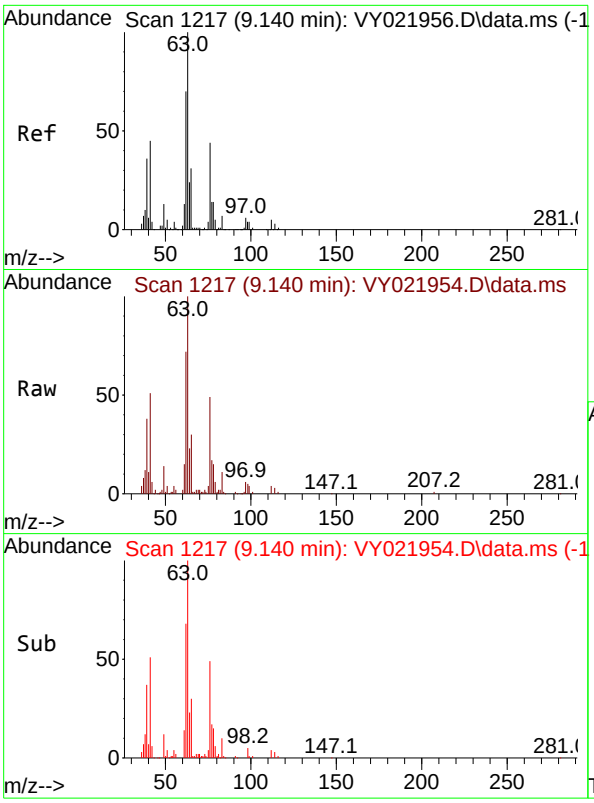


#44
Trichloroethene
Concen: 10.534 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:130 Resp: 37414

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	183.2

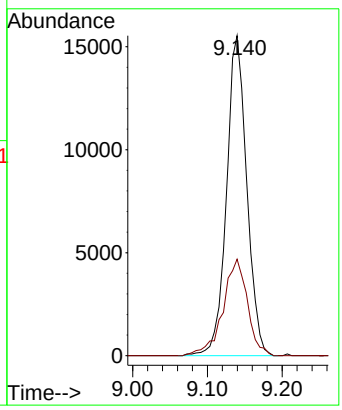




#45
1,2-Dichloropropane
Concen: 10.342 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 63 Resp: 2932

Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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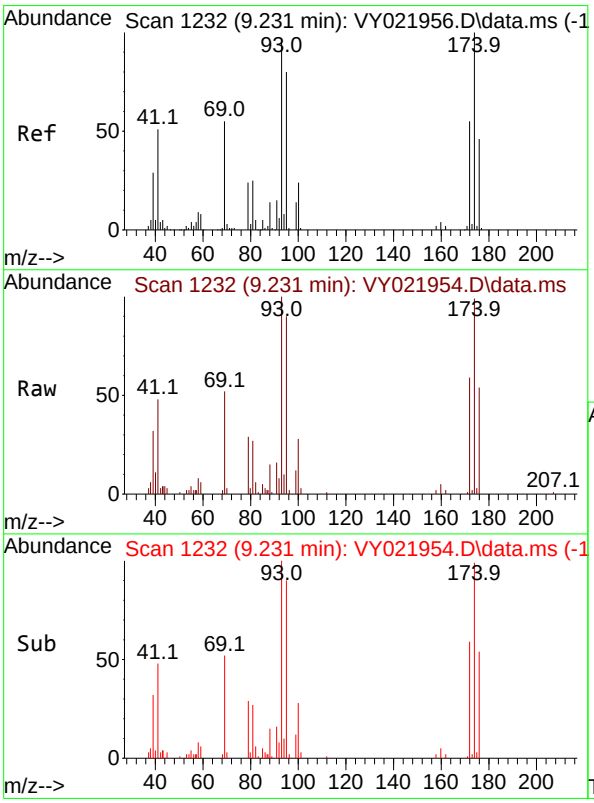
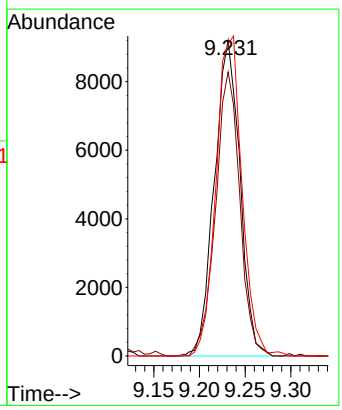
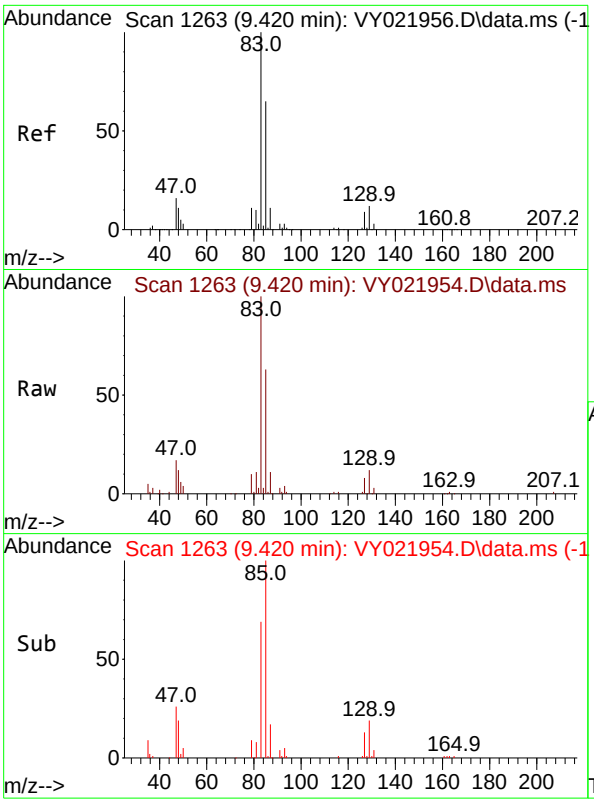


#46
Dibromomethane
Concen: 10.055 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 93 Resp: 17848

Ion	Ratio	Lower	Upper
93	100		
95	85.7	66.7	100.1
174	103.7	84.6	127.0

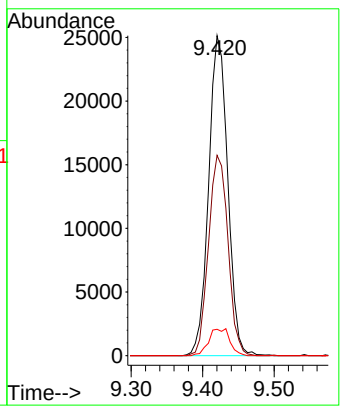




#47
Bromodichloromethane
Concen: 10.498 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 83 Resp: 4655

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.8
127	8.2	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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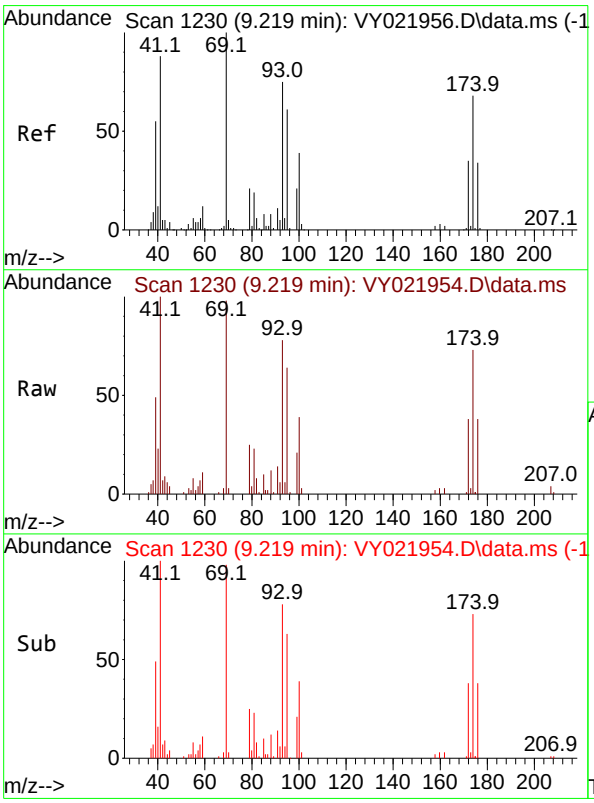
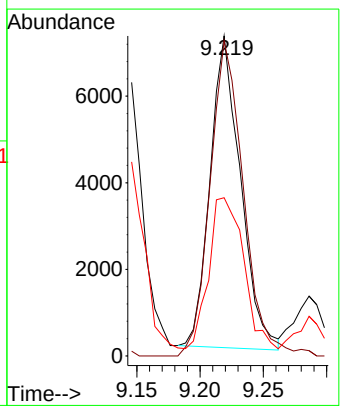
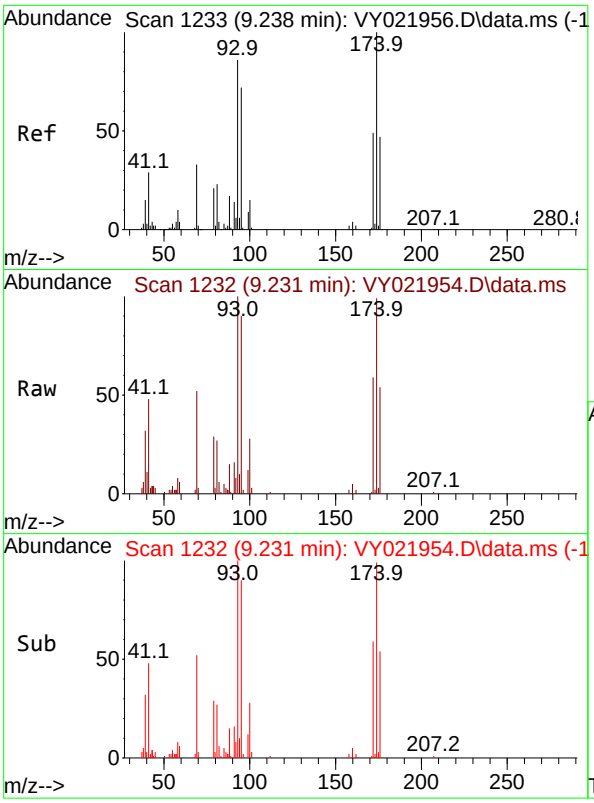


#48
Methyl methacrylate
Concen: 9.202 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 41 Resp: 12035

Ion	Ratio	Lower	Upper
41	100		
69	111.3	85.5	128.3
39	56.4	46.2	69.4





#49
1,4-Dioxane
Concen: 199.843 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 88 Resp: 378

Ion	Ratio	Lower	Upper
88	100		
43	32.0	21.3	31.9
58	64.2	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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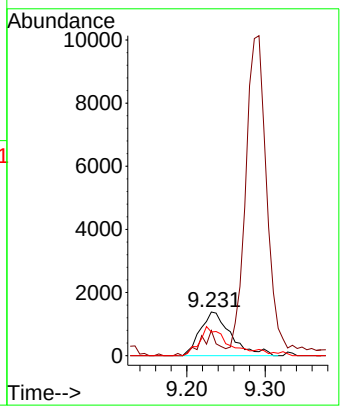
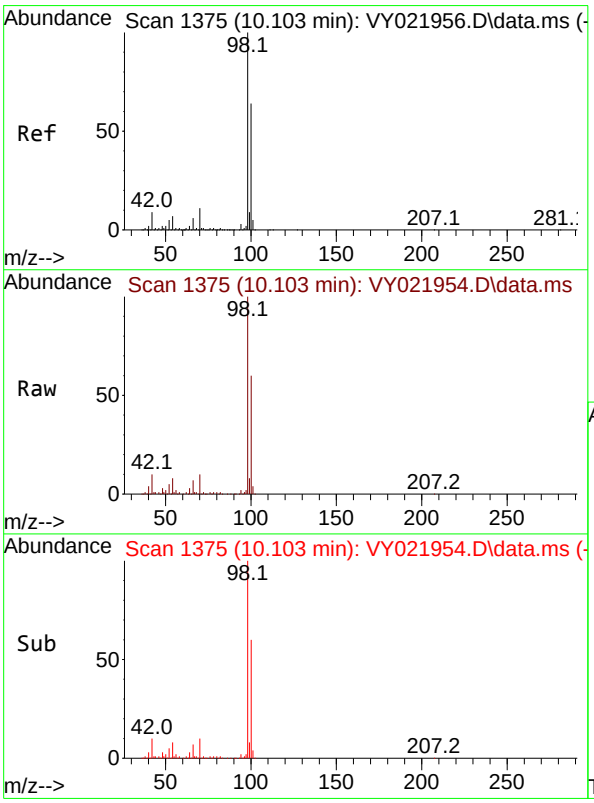
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

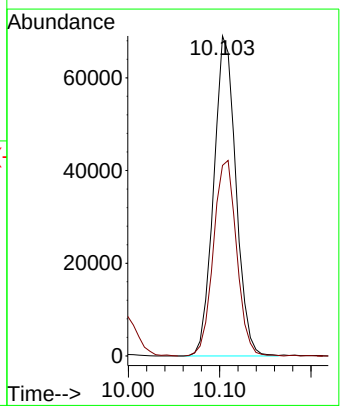


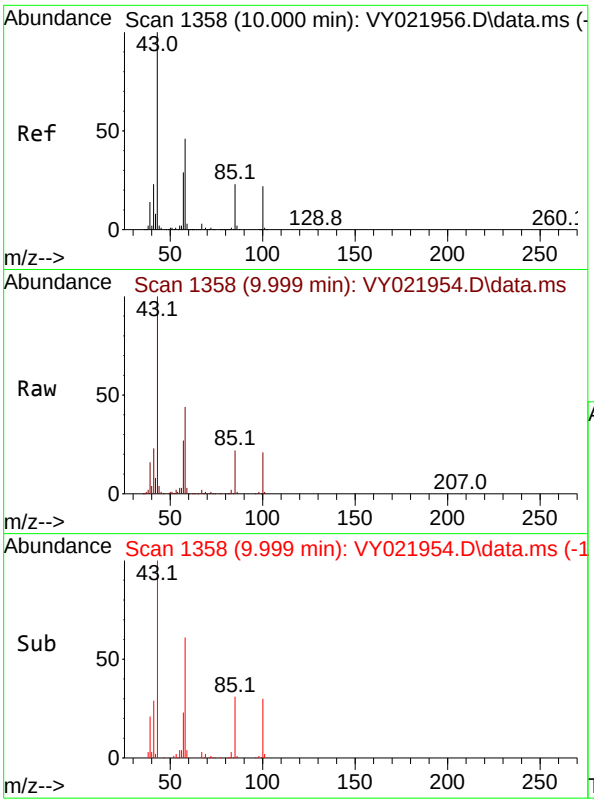


#50
Toluene-d8
Concen: 10.118 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 98 Resp: 116480

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 46.490 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 6895

Ion	Ratio	Lower	Upper
43	100		
58	44.8	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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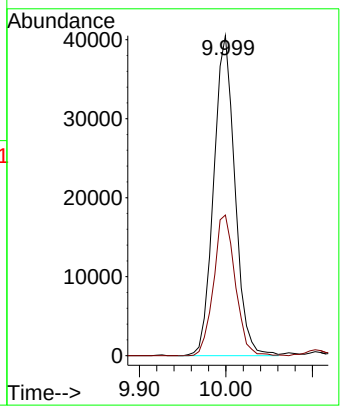
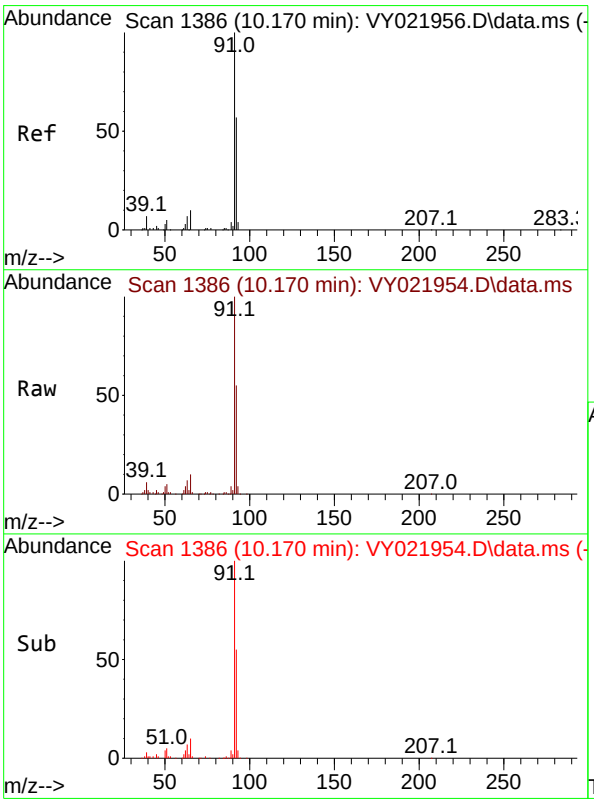
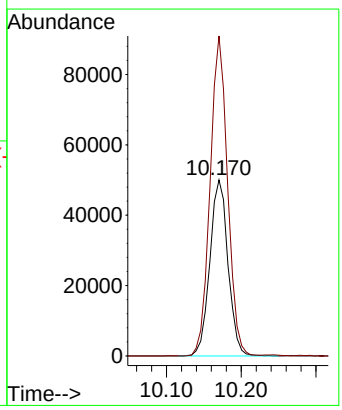


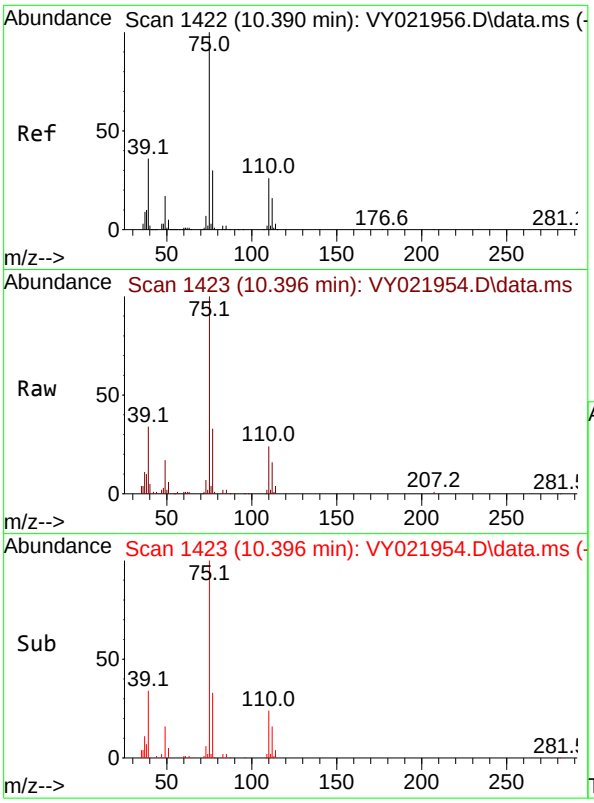


#52
Toluene
Concen: 10.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 92 Resp: 84571

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.6	207.8

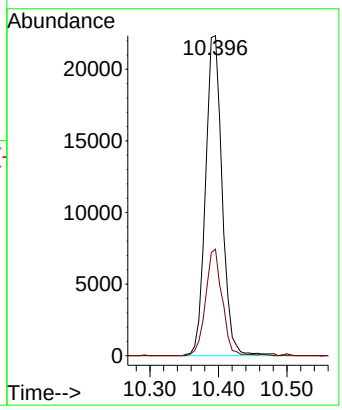




#53
t-1,3-Dichloropropene
Concen: 9.911 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 3769

Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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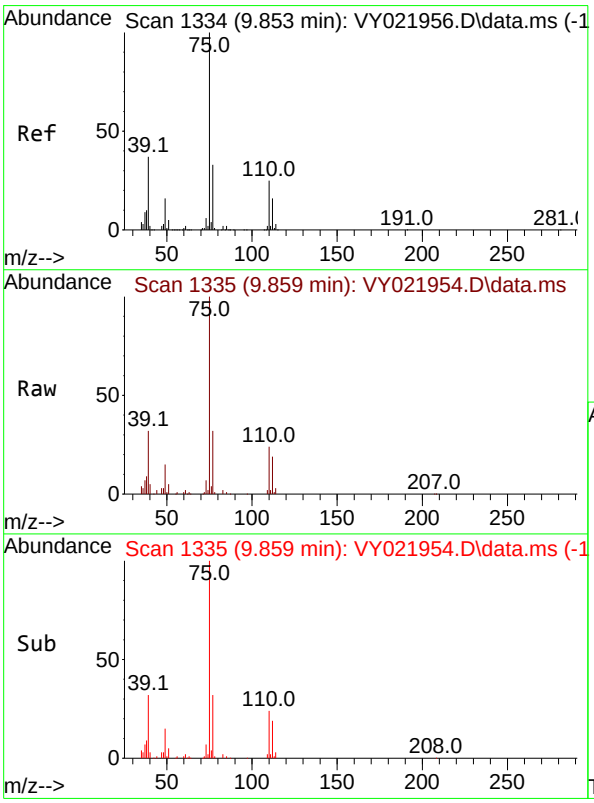
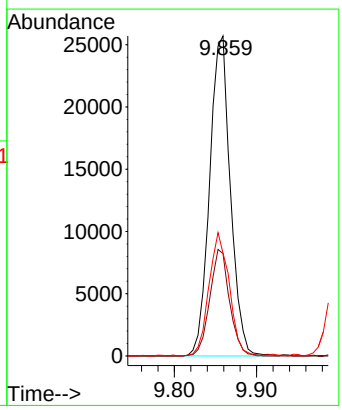
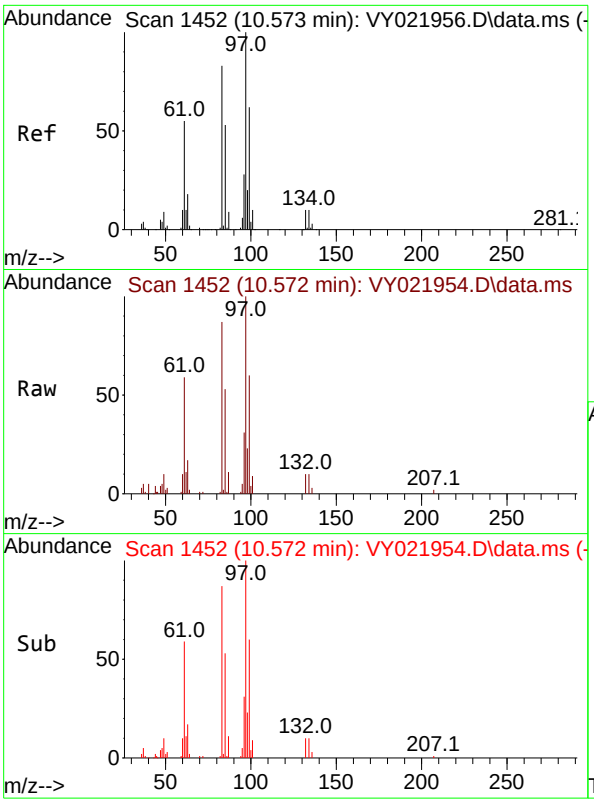


#54
cis-1,3-Dichloropropene
Concen: 9.982 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 45133

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.6	40.0
39	32.2	29.6	44.4

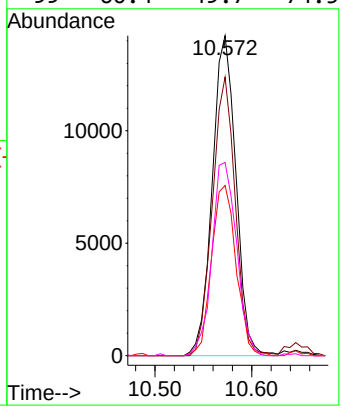




#55
1,1,2-Trichloroethane
Concen: 10.192 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 97 Resp: 2416

Ion	Ratio	Lower	Upper
97	100		
83	87.1	66.7	100.1
85	53.2	42.6	64.0
99	60.4	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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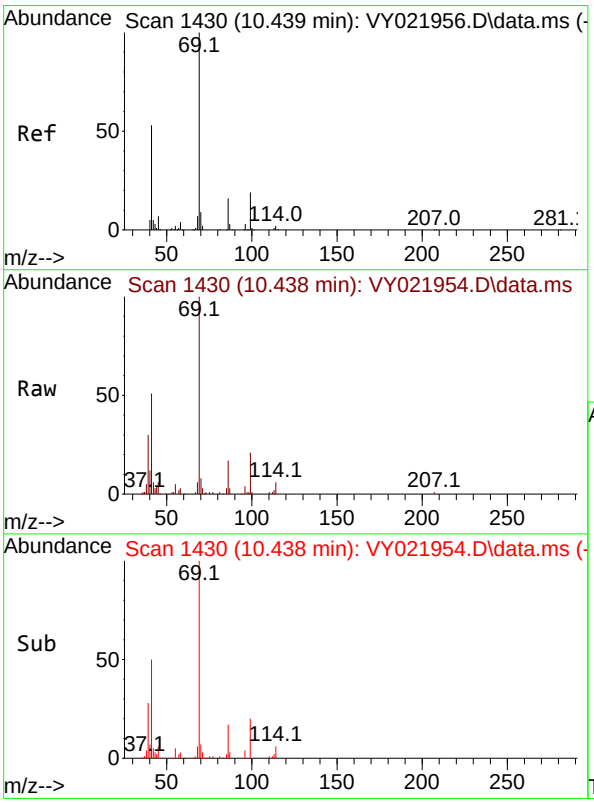
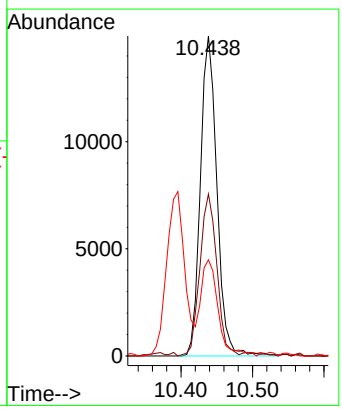
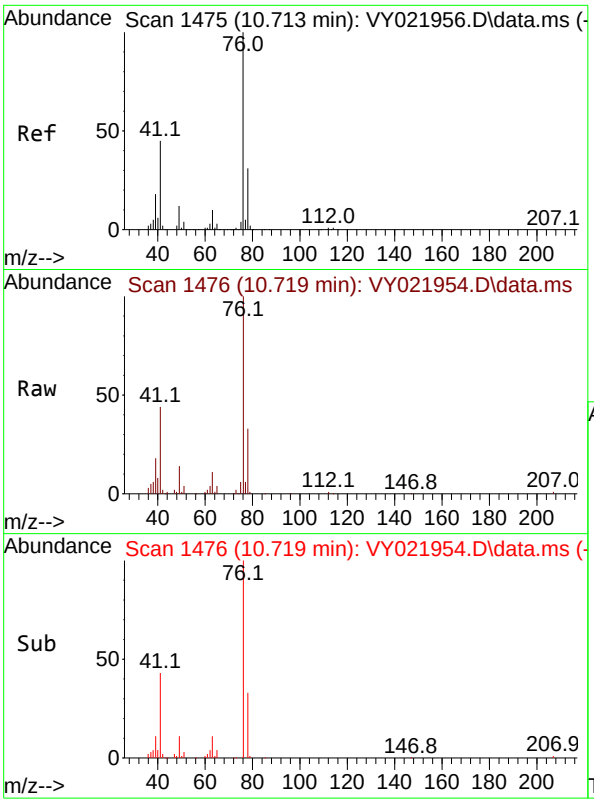


#56
Ethyl methacrylate
Concen: 8.823 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 69 Resp: 23924

Ion	Ratio	Lower	Upper
69	100		
41	52.1	40.7	61.1
39	31.1	23.3	34.9

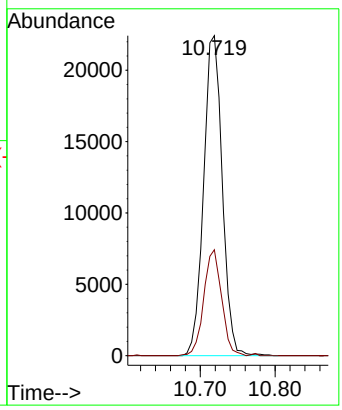




#57
1,3-Dichloropropane
Concen: 10.204 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 76 Resp: 3878

Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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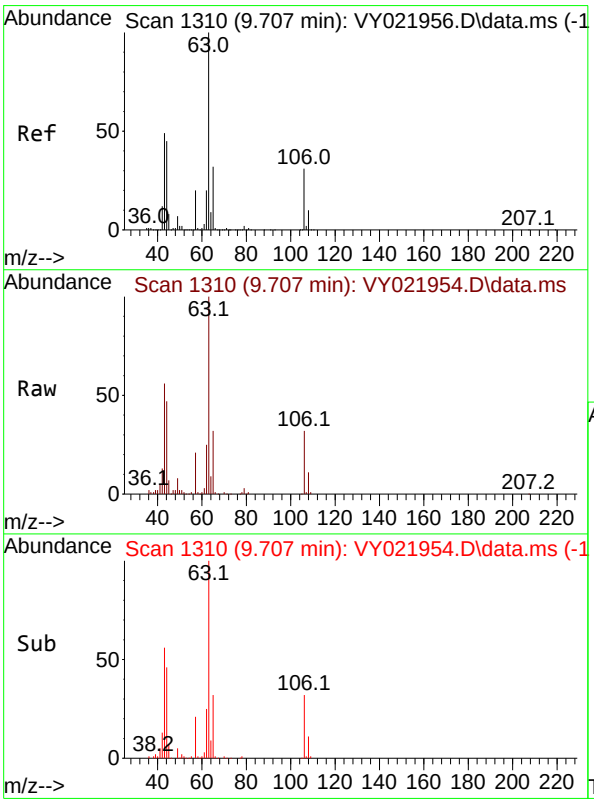
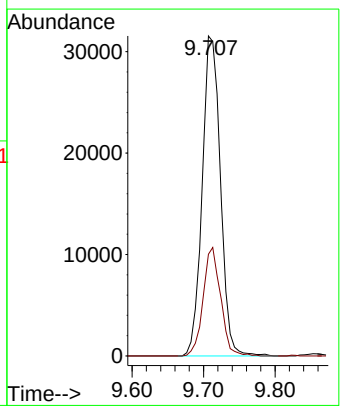
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

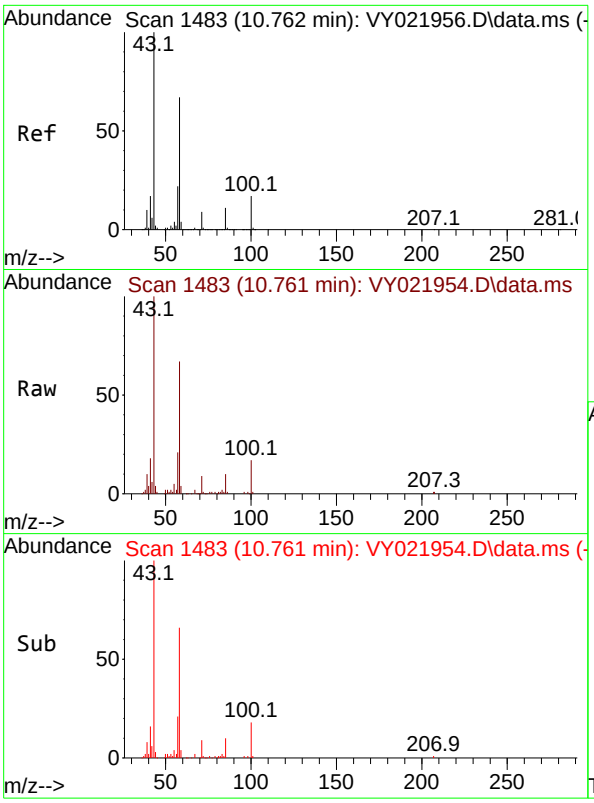


#58
2-Chloroethyl Vinyl ether
Concen: 42.164 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 63 Resp: 55900

Ion	Ratio	Lower	Upper
63	100		
106	32.5	25.3	37.9





#59
2-Hexanone
Concen: 45.407 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 4441

Ion	Ratio	Lower	Upper
43	100		
58	61.8	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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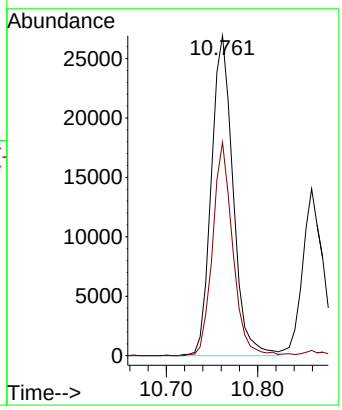
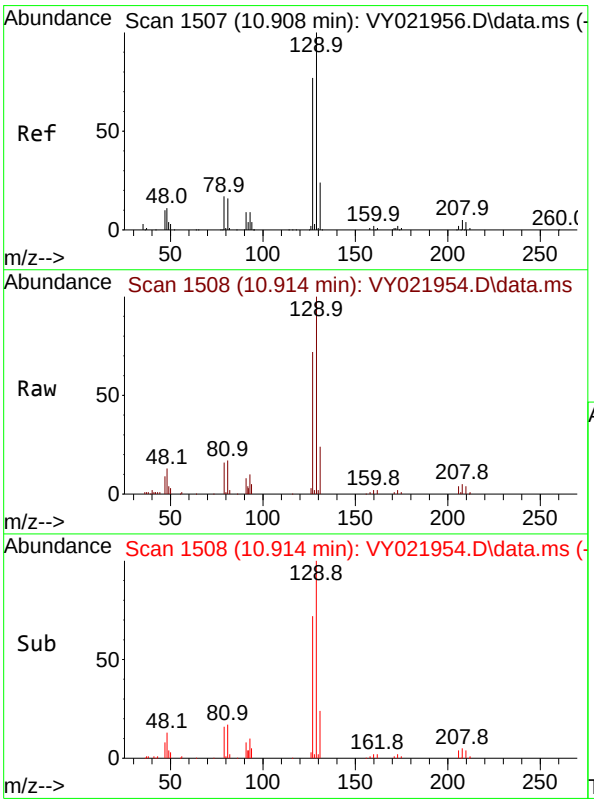
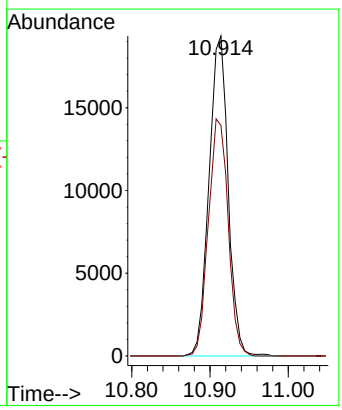


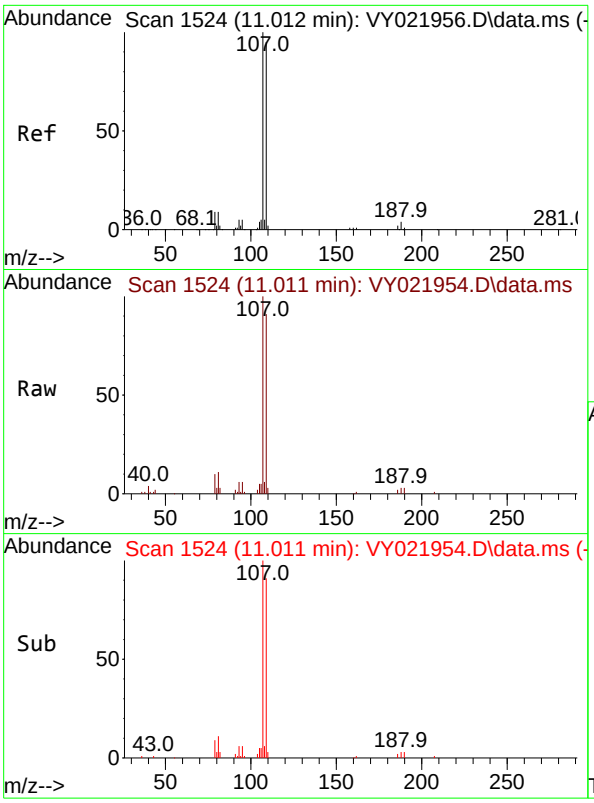


#60
Dibromochloromethane
Concen: 9.994 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:129 Resp: 32807

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.5	115.3

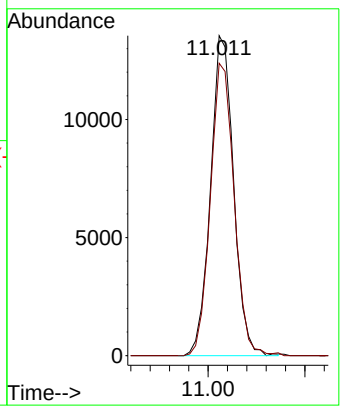




#61
1,2-Dibromoethane
Concen: 10.019 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:107 Resp: 2242

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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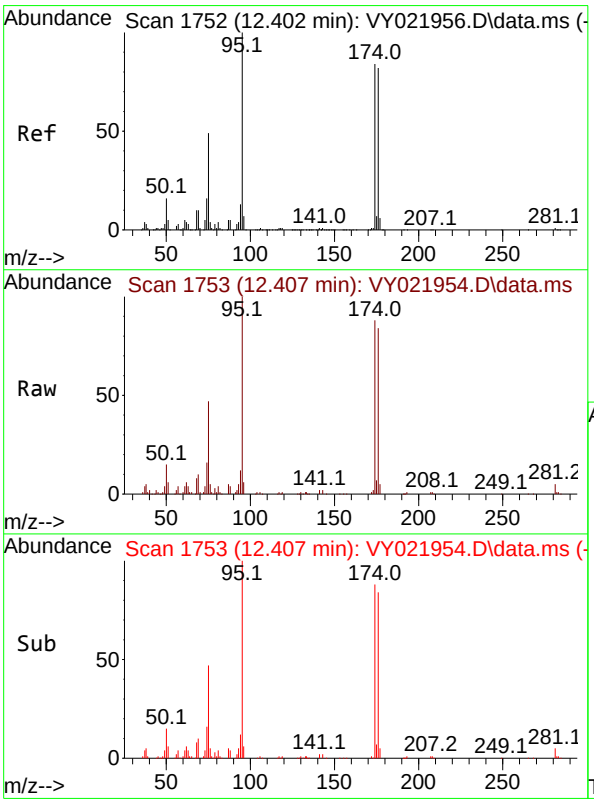
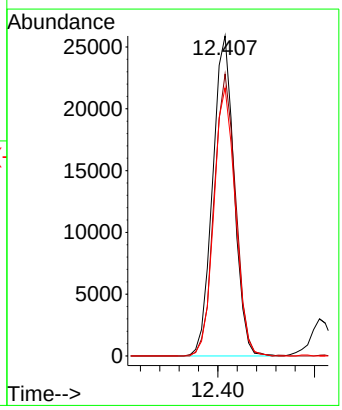
Supervised By :Mahesh Dadoda 04/23/2025

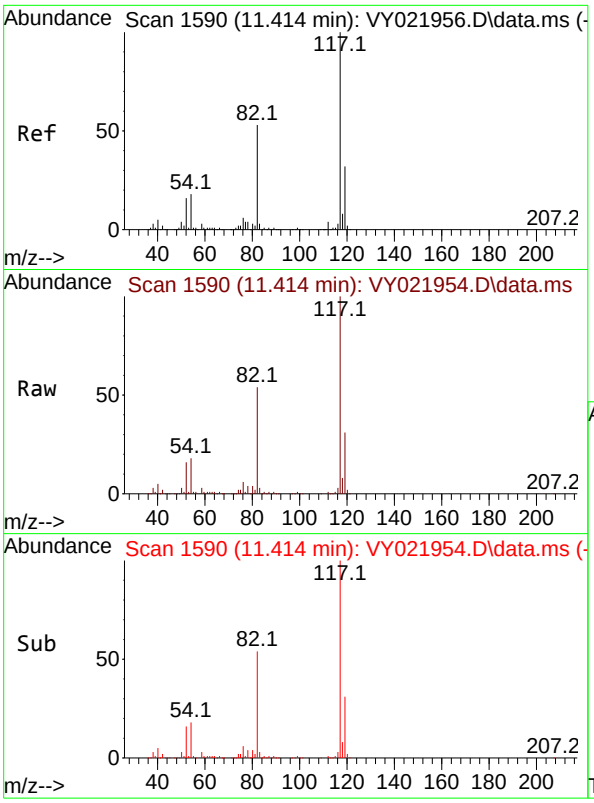


#62
4-Bromofluorobenzene
Concen: 10.244 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 95 Resp: 39704

Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	179.0
176	84.2	0.0	171.8

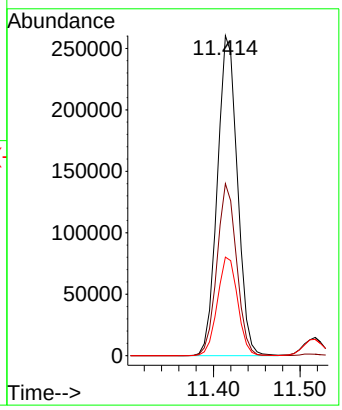




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:117 Resp: 41847

Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.1	63.1
119	30.8	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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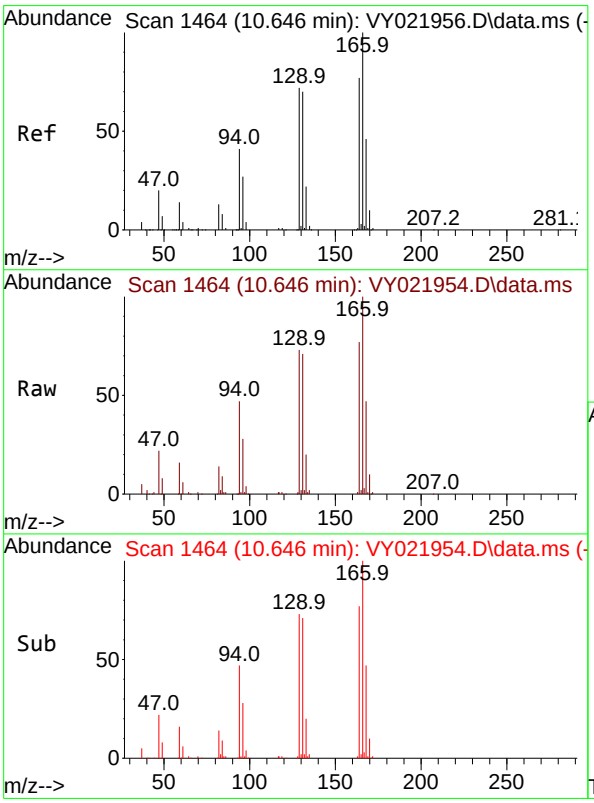
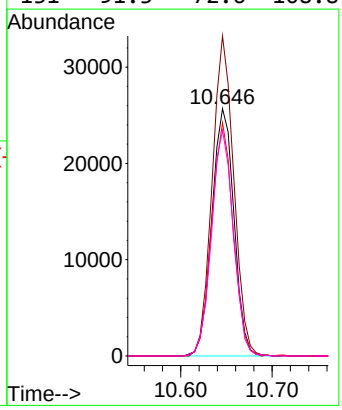
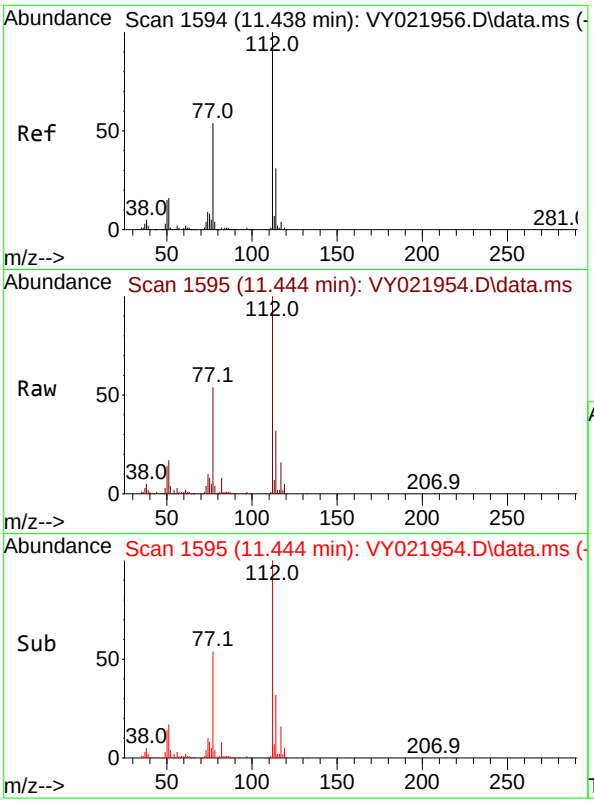


#64
Tetrachloroethene
Concen: 10.944 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:164 Resp: 43205

Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.6	155.4
129	94.2	74.2	111.4
131	91.3	72.6	108.8

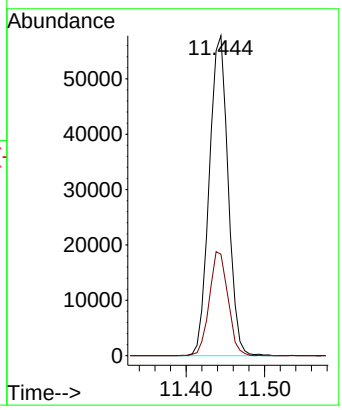




#65
Chlorobenzene
Concen: 10.306 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:112 Resp: 9644

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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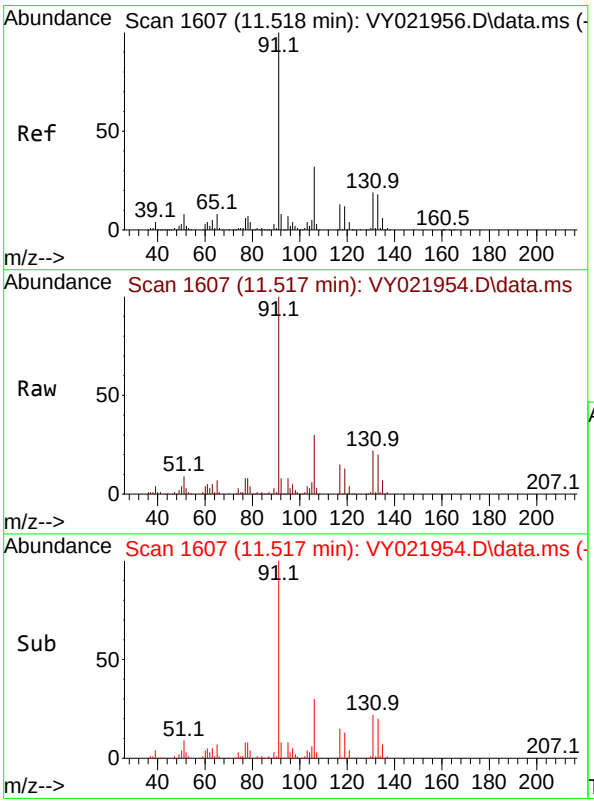
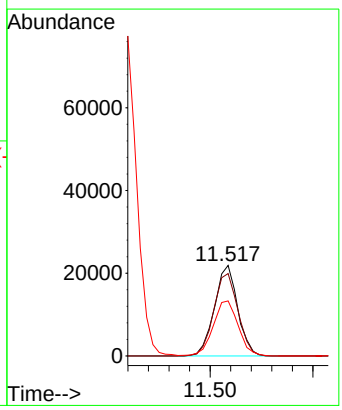
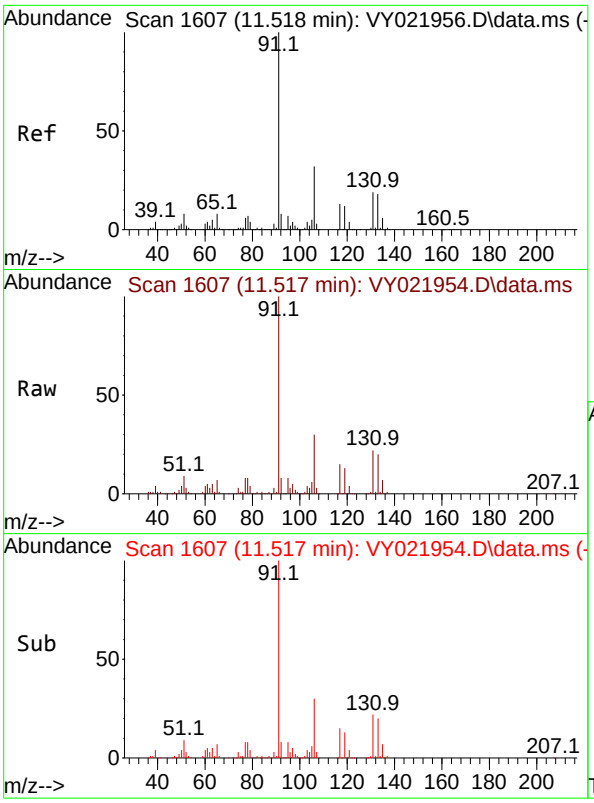


#66
1,1,1,2-Tetrachloroethane
Concen: 10.392 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:131 Resp: 34237

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.8	143.3
119	65.7	32.4	97.0

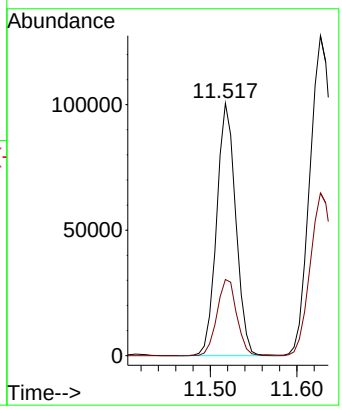




#67
Ethyl Benzene
Concen: 10.058 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 15397

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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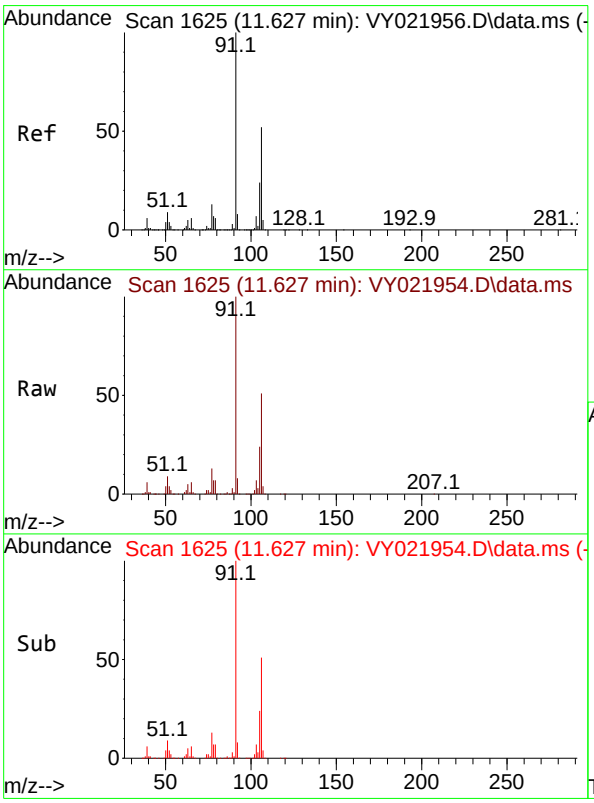
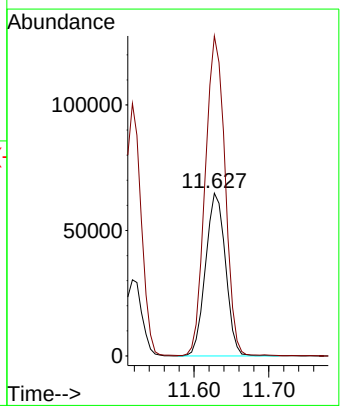
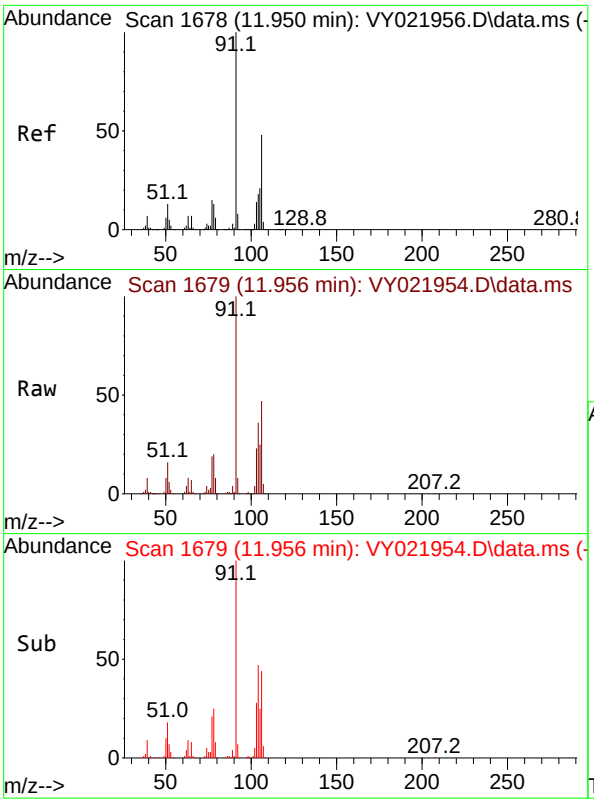


#68
m/p-Xylenes
Concen: 19.789 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:106 Resp: 120544

Ion	Ratio	Lower	Upper
106	100		
91	194.6	156.2	234.2

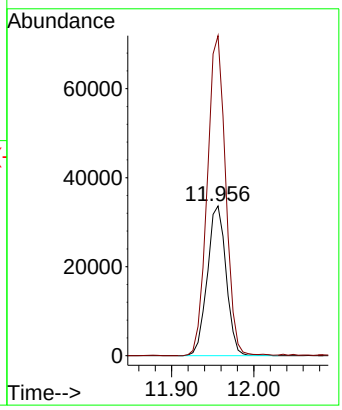




#69
o-Xylene
Concen: 9.521 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:106 Resp: 5345

Ion	Ratio	Lower	Upper
106	100		
91	208.8	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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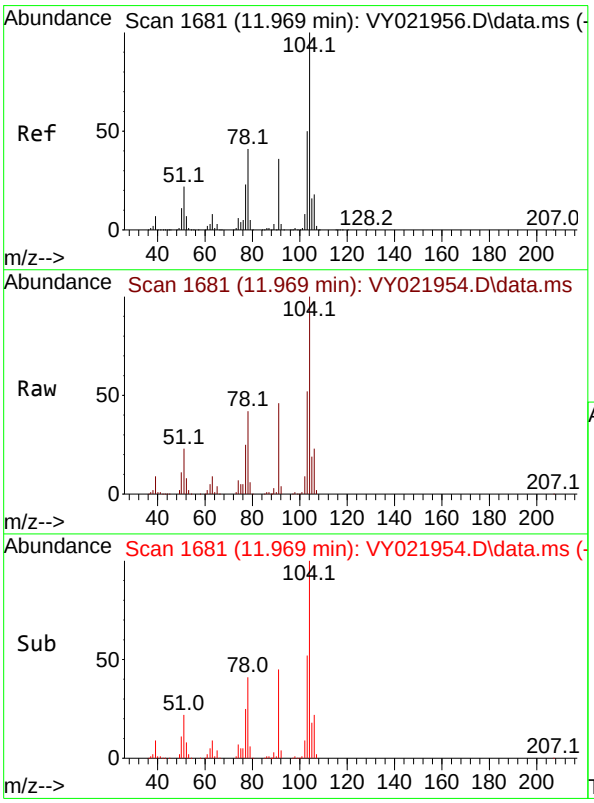
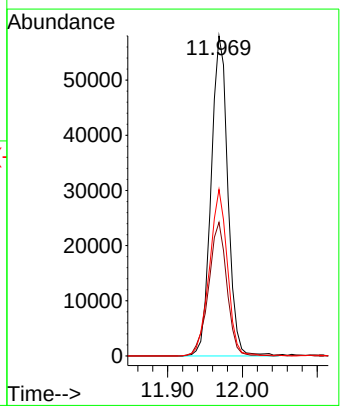
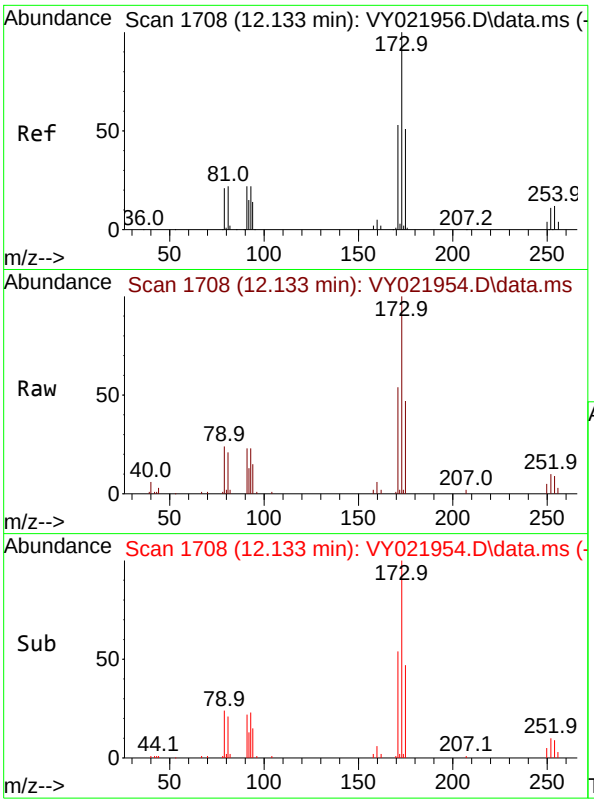


#70
Styrene
Concen: 9.588 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:104 Resp: 90382

Ion	Ratio	Lower	Upper
104	100		
78	45.5	36.6	54.8
103	55.7	43.8	65.8

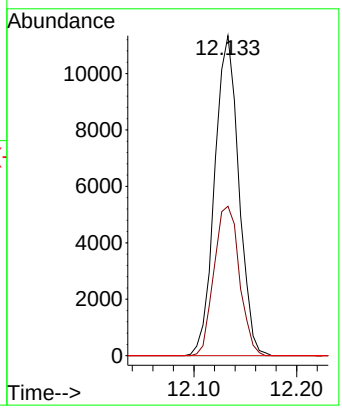




#71
Bromoform
Concen: 9.648 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:173 Resp: 1848

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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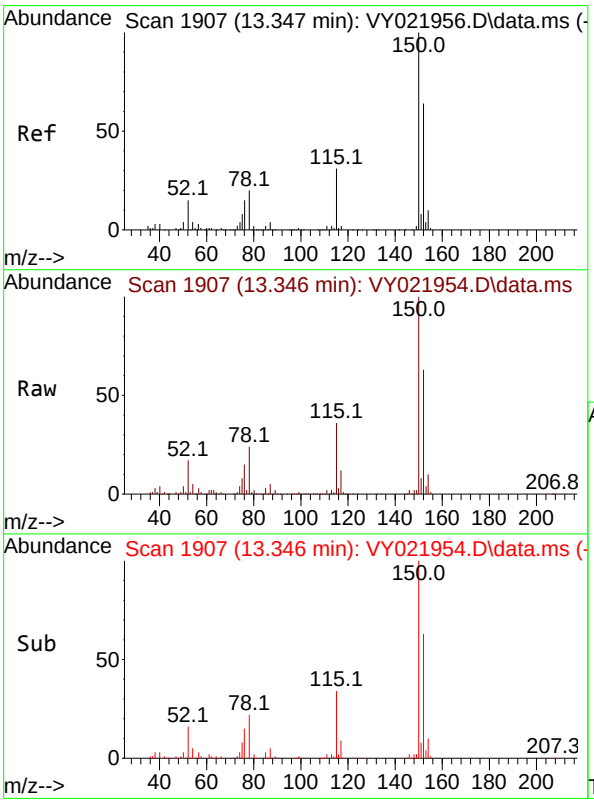
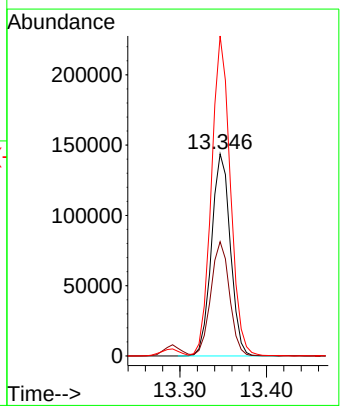
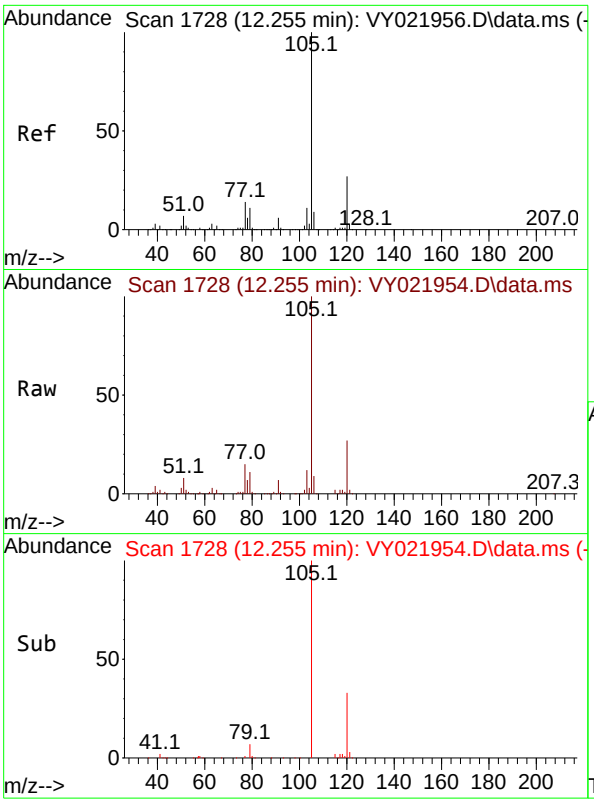


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:152 Resp: 217358

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	158.8	0.0	345.6

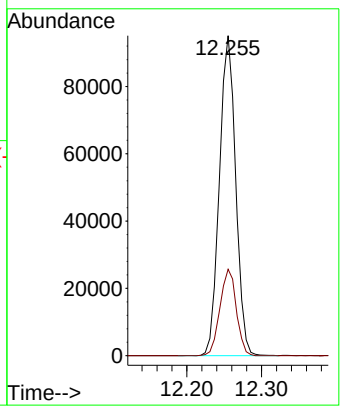




#73
Isopropylbenzene
Concen: 9.928 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 14416

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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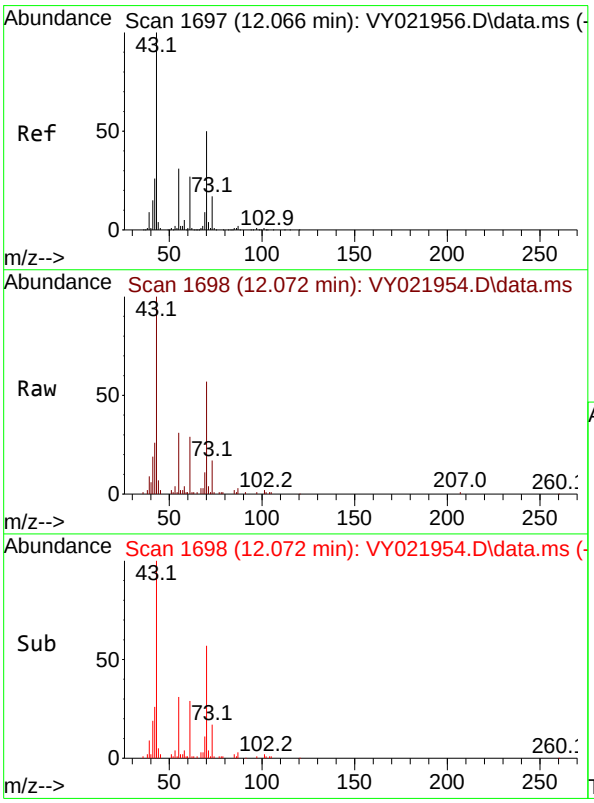
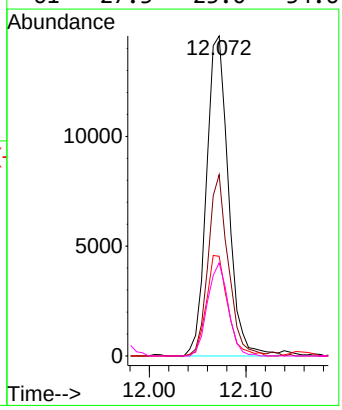
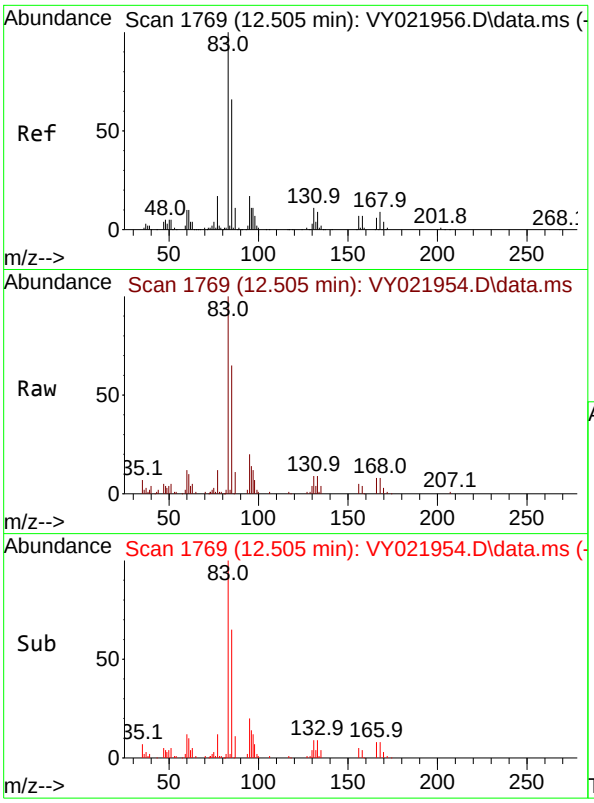


#74
N-amyl acetate
Concen: 9.242 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 23058

Ion	Ratio	Lower	Upper
43	100		
70	51.9	43.2	64.8
55	30.4	25.7	38.5
61	27.3	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 9.971 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 83 Resp: 2441

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	61.5	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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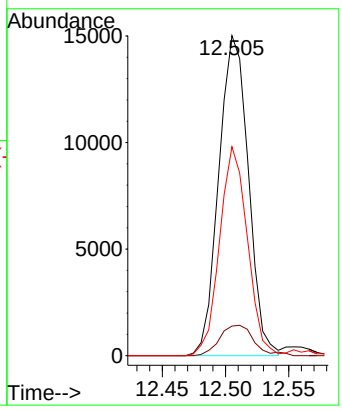
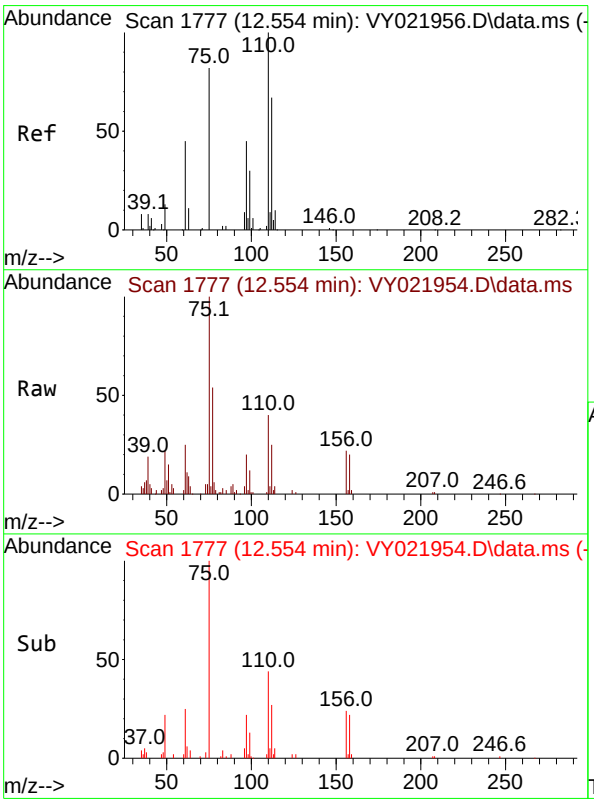
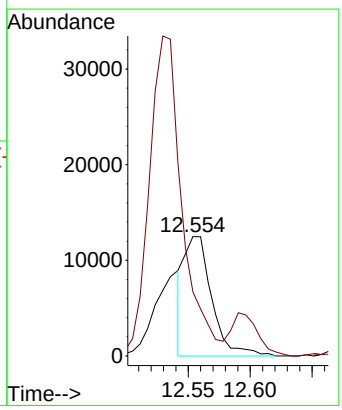


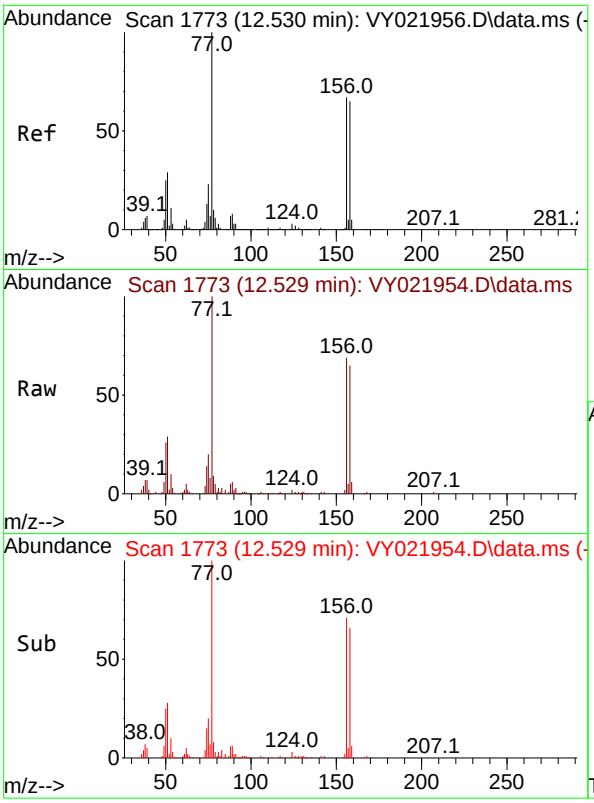


#76
1,2,3-Trichloropropane
Concen: 10.092 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 19328

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

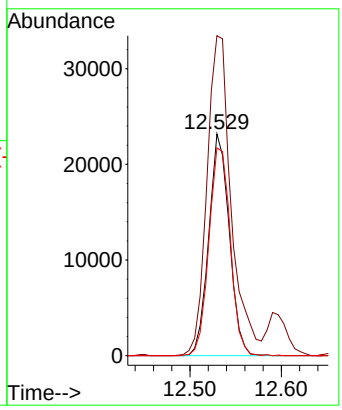




#77
Bromobenzene
Concen: 9.845 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:156 Resp: 3612

Ion	Ratio	Lower	Upper
156	100		
77	170.7	82.7	248.1
158	97.5	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
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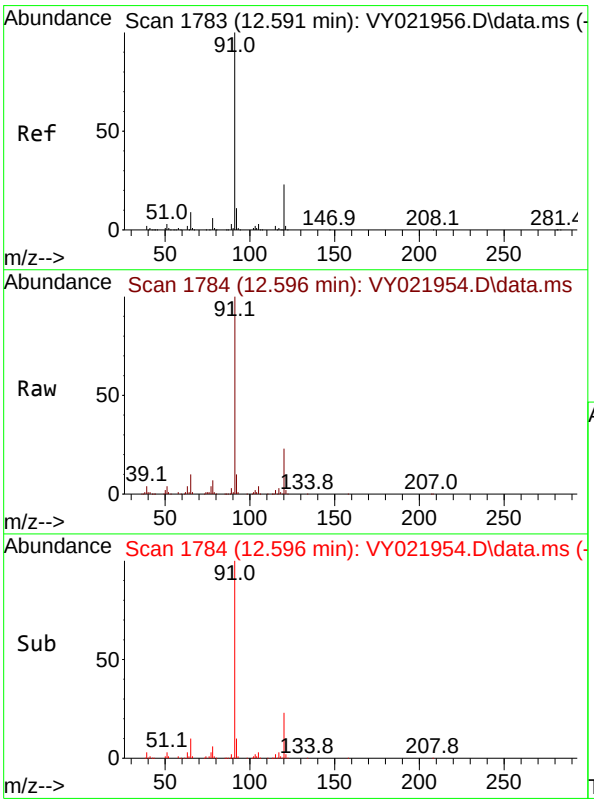
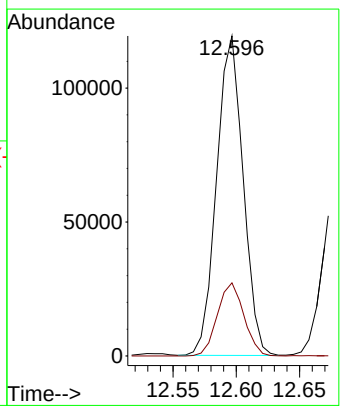
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

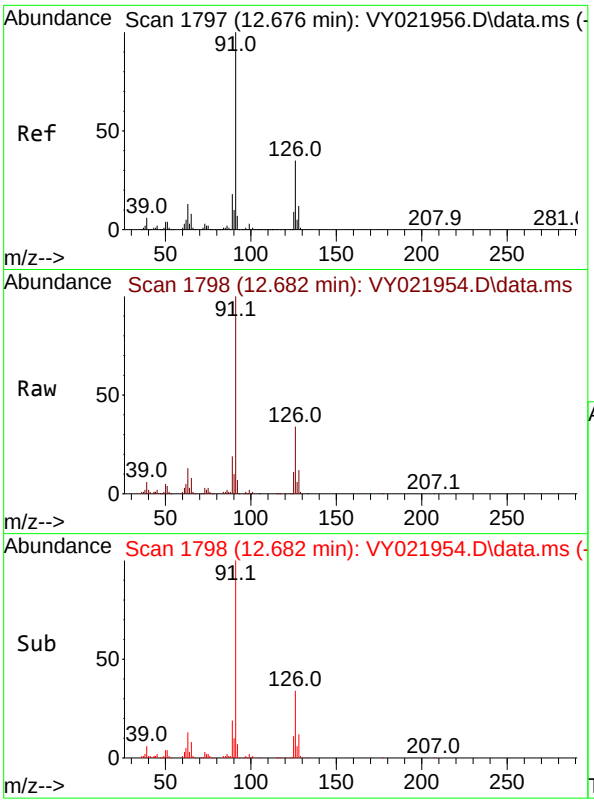


#78
n-propylbenzene
Concen: 10.045 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 173723

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.9	35.5





#79
2-Chlorotoluene
Concen: 10.127 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 10185

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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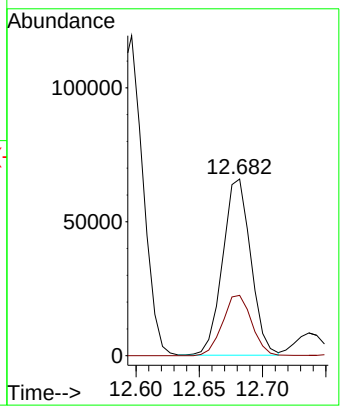
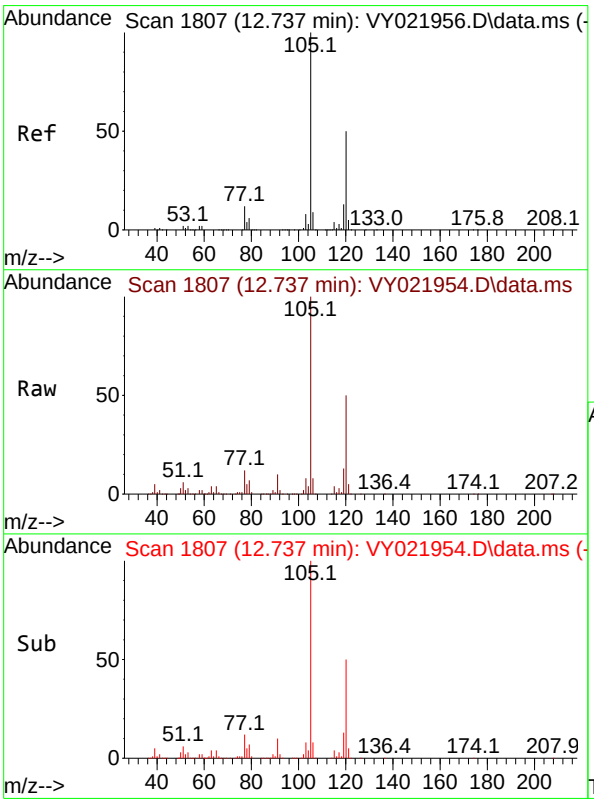
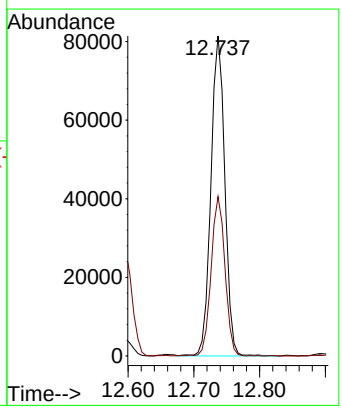


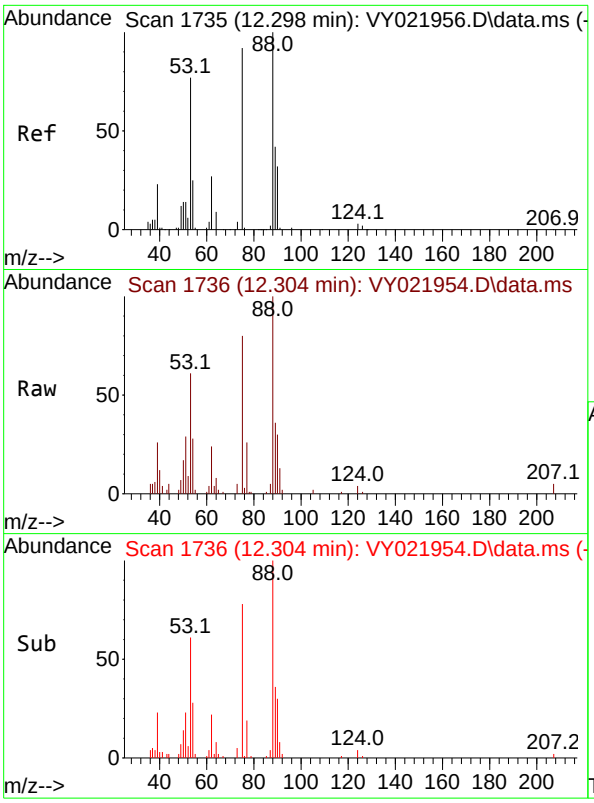


#80
1,3,5-Trimethylbenzene
Concen: 10.018 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 119871

Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 9.773 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 755

Ion	Ratio	Lower	Upper
75	100		
53	84.6	66.0	99.0
89	47.0	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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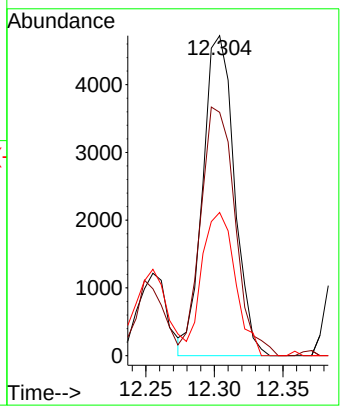
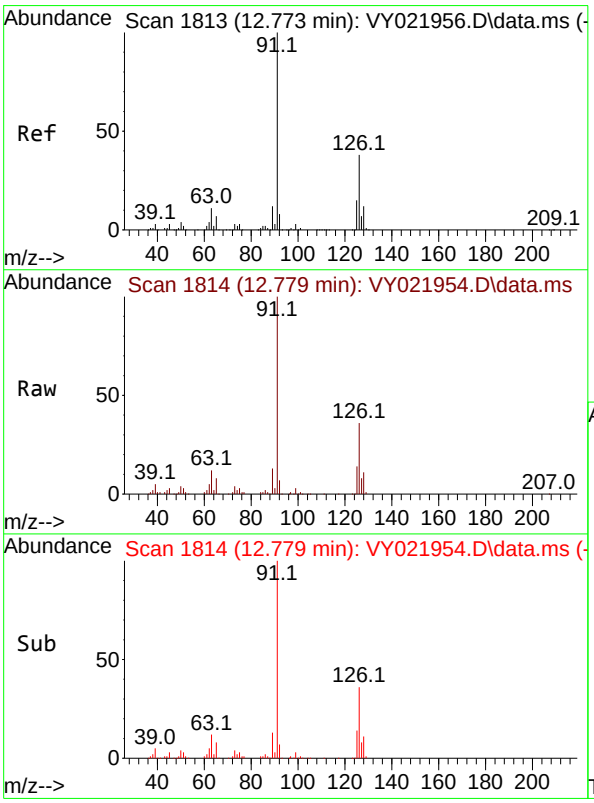
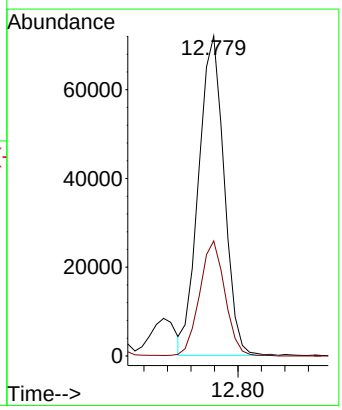


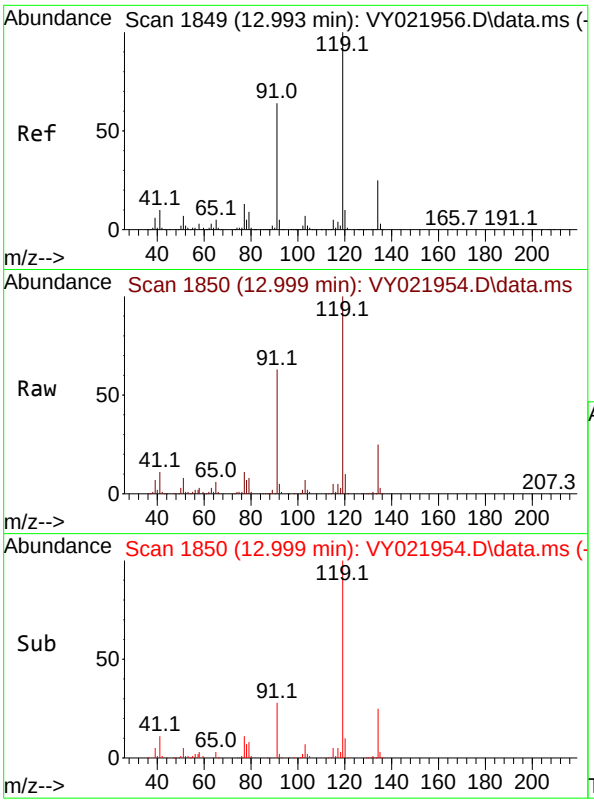


#82
4-Chlorotoluene
Concen: 10.400 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 108734

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8

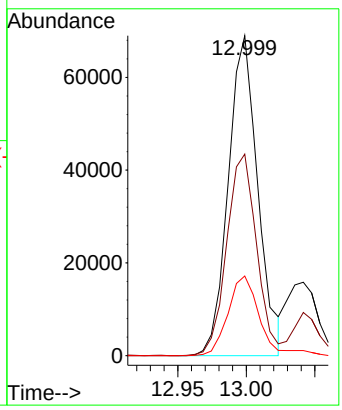




#83
tert-Butylbenzene
Concen: 9.649 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:119 Resp: 10354

Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.3	90.9
134	26.8	12.9	38.7



Instrument :
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ClientSampleId :
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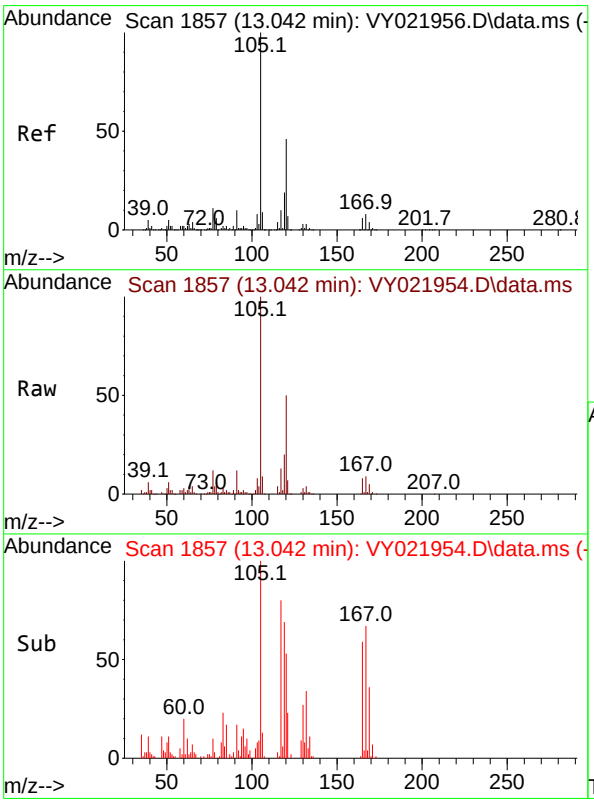
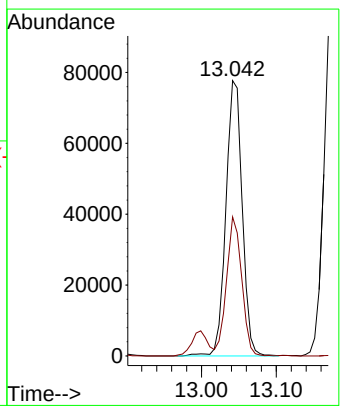
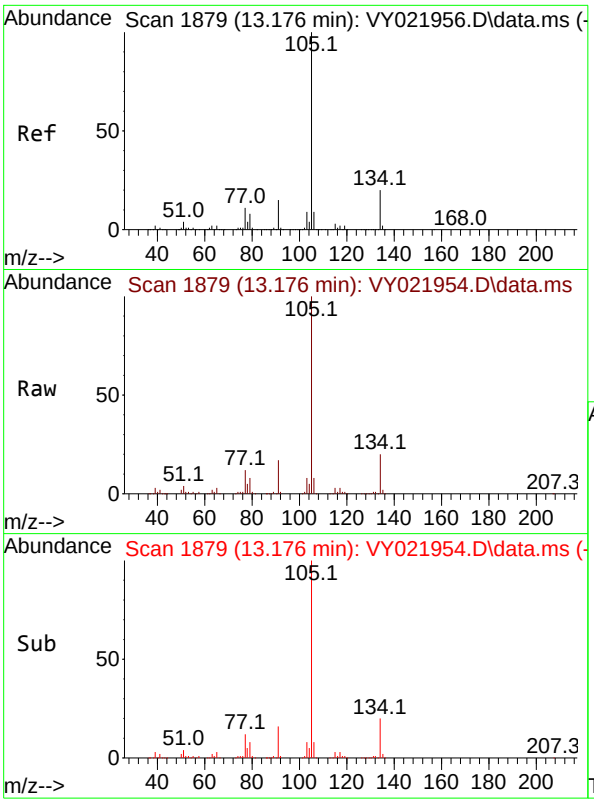


#84
1,2,4-Trimethylbenzene
Concen: 9.870 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 118119

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.0

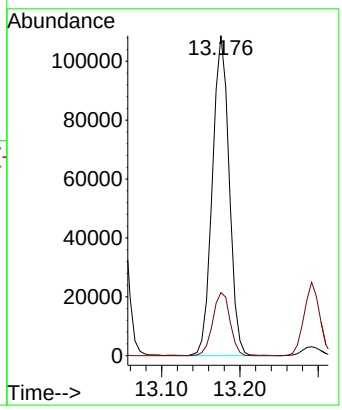




#85
sec-Butylbenzene
Concen: 10.311 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 16190

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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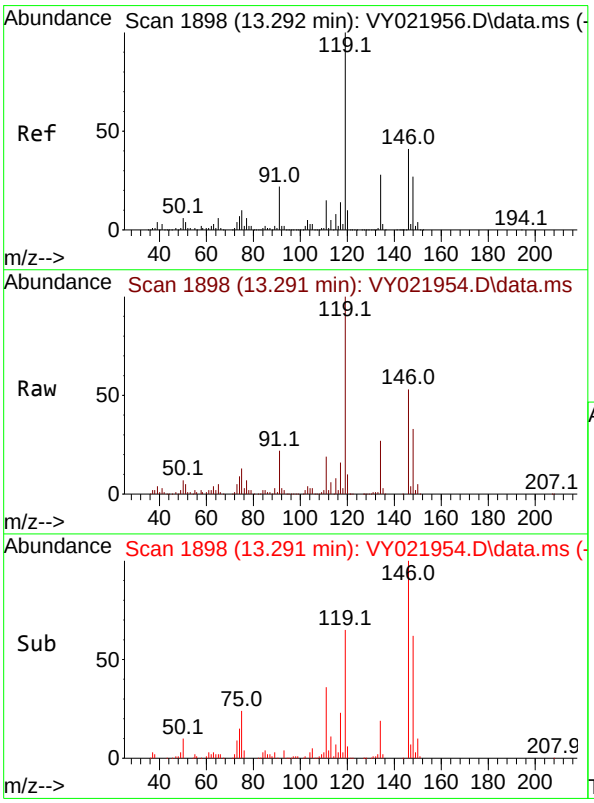
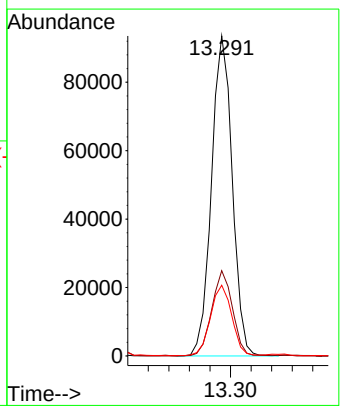
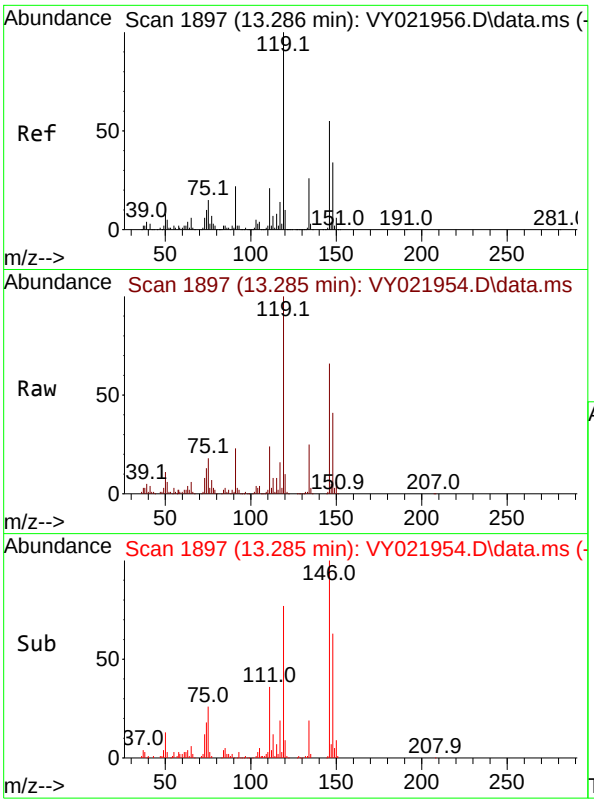


#86
p-Isopropyltoluene
Concen: 9.834 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:119 Resp: 131120

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	22.5	11.0	33.0

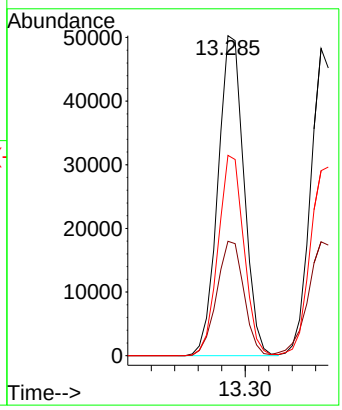




#87
1,3-Dichlorobenzene
Concen: 10.404 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:146 Resp: 7753

Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.5
148	61.9	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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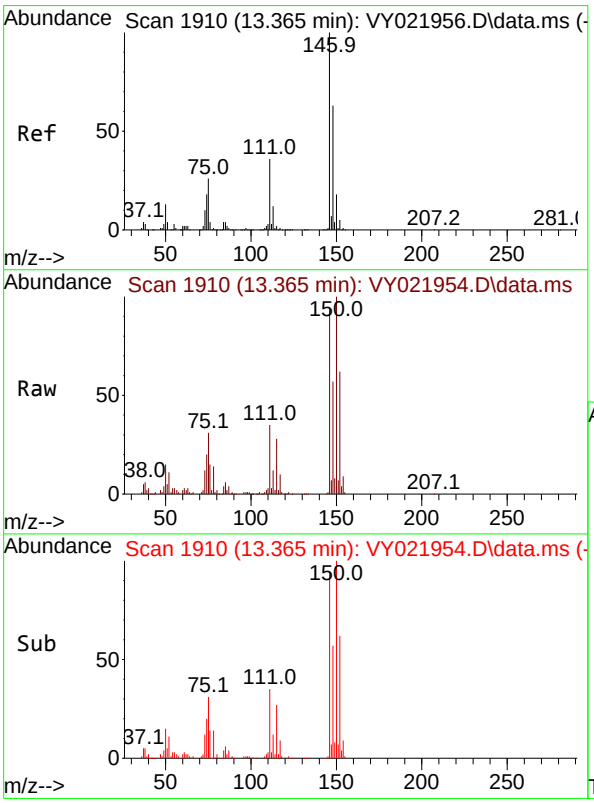
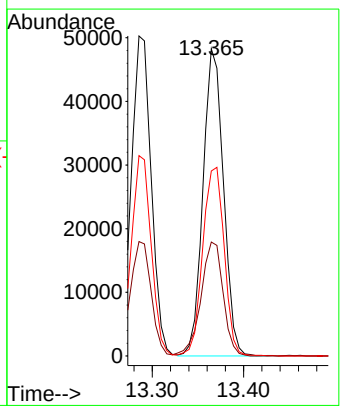
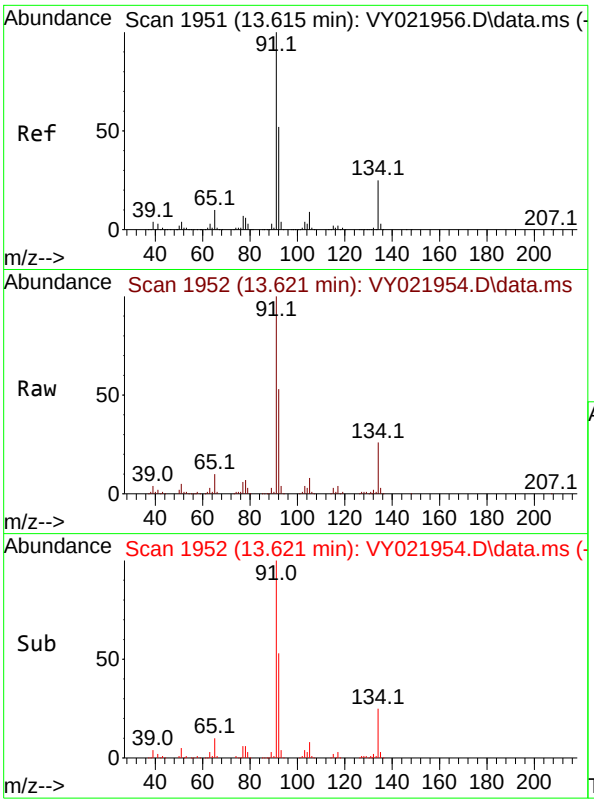


#88
1,4-Dichlorobenzene
Concen: 10.167 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:146 Resp: 75043

Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.2	57.6
148	64.6	32.0	96.0

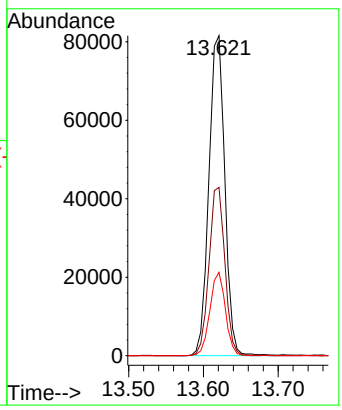




#89
n-Butylbenzene
Concen: 10.177 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 12129

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	25.3	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

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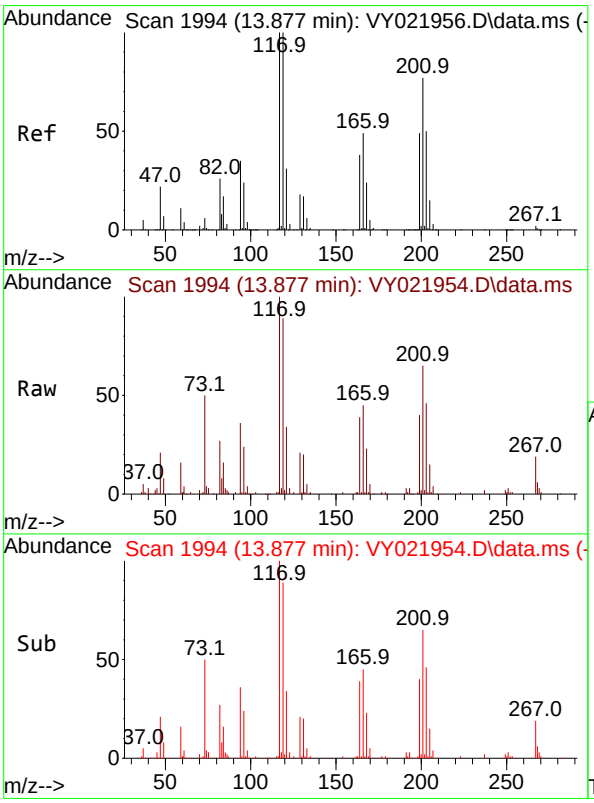
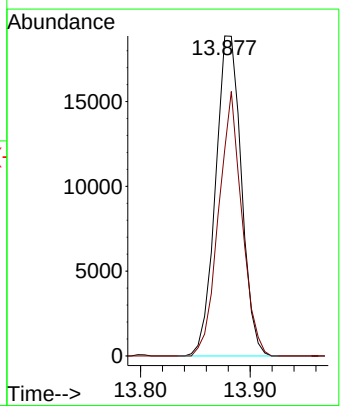
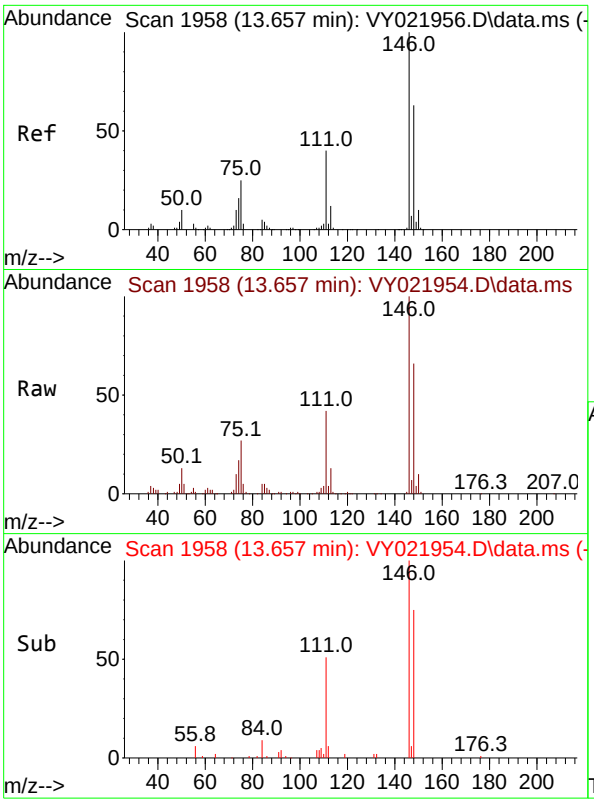


#90
Hexachloroethane
Concen: 10.541 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:117 Resp: 30881

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.7	116.1

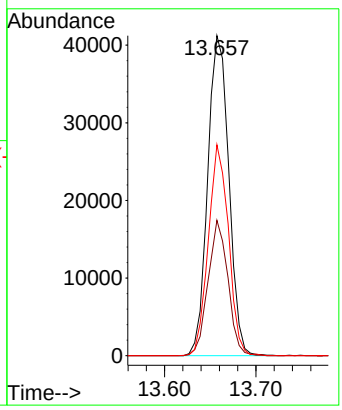




#91
1,2-Dichlorobenzene
Concen: 10.178 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:146 Resp: 6615

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	62.9	32.1	96.3



Instrument :
MSVOA_Y
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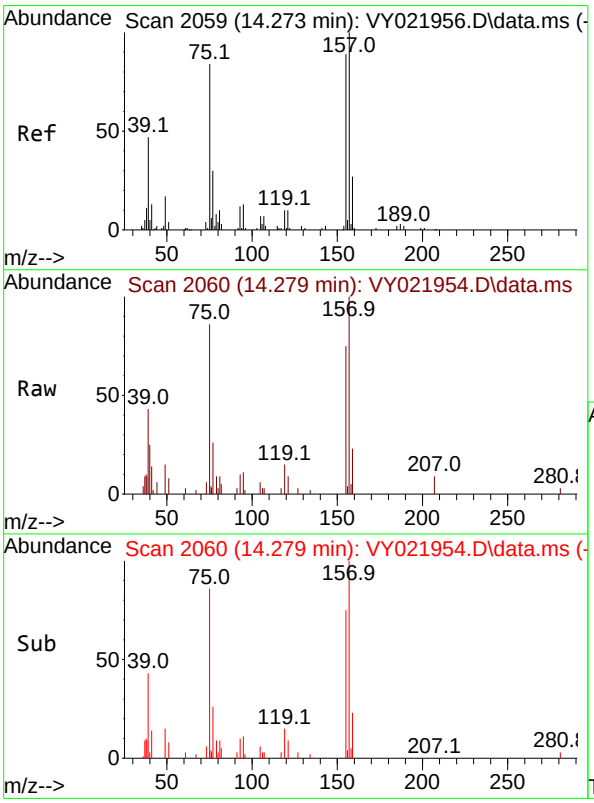
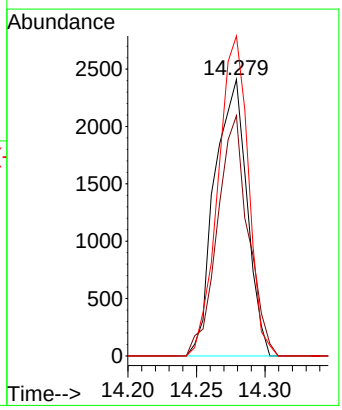
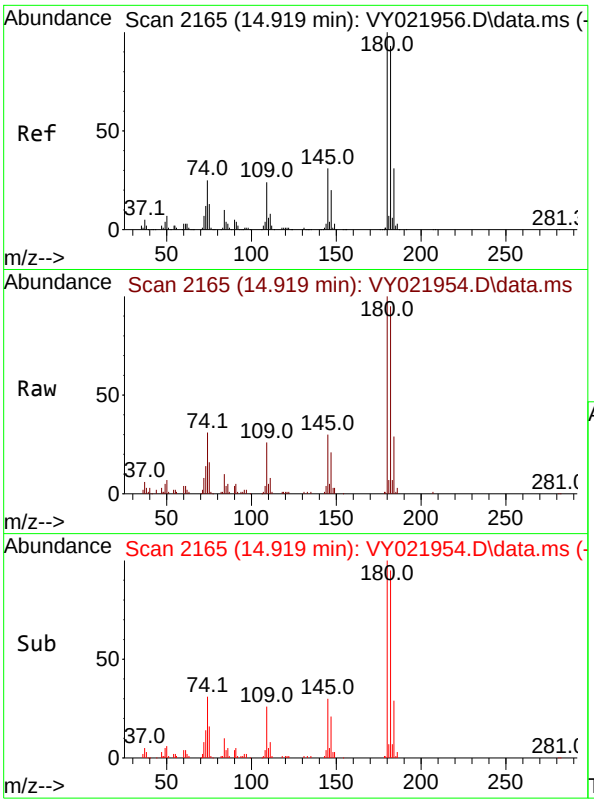


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.153 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 3955

Ion	Ratio	Lower	Upper
75	100		
155	82.8	50.7	152.3
157	108.3	62.6	187.8

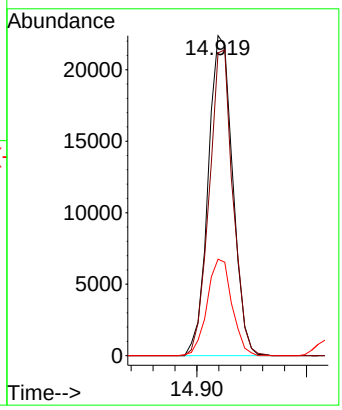




#93
1,2,4-Trichlorobenzene
Concen: 9.446 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:180 Resp: 3479

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.1	141.4
145	30.5	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
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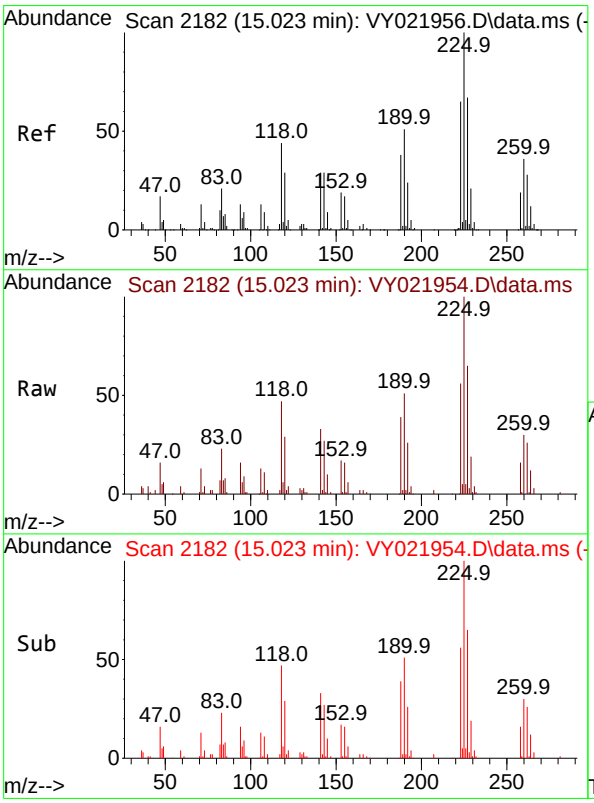
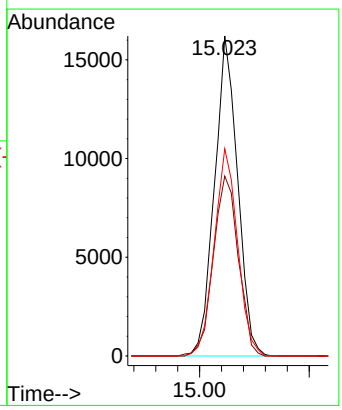
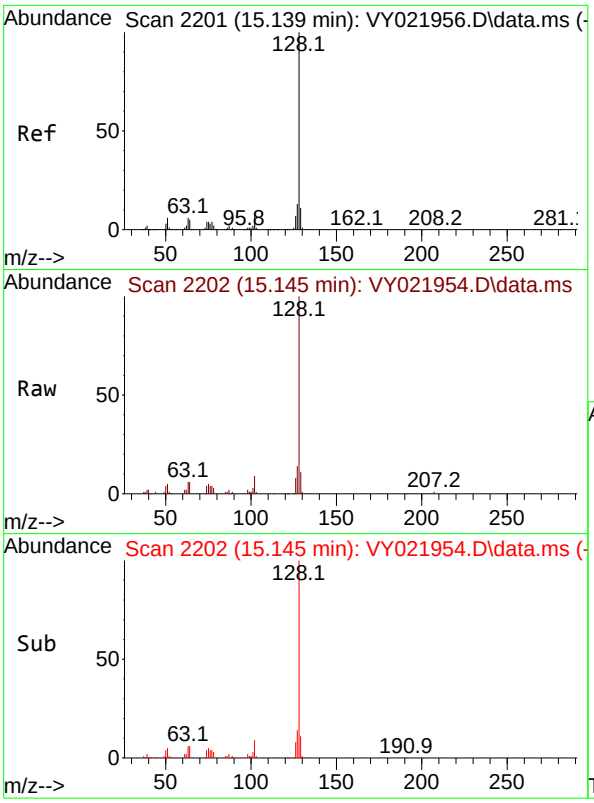


#94
Hexachlorobutadiene
Concen: 10.457 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:225 Resp: 23698

Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.9	95.5
227	65.5	32.3	96.9

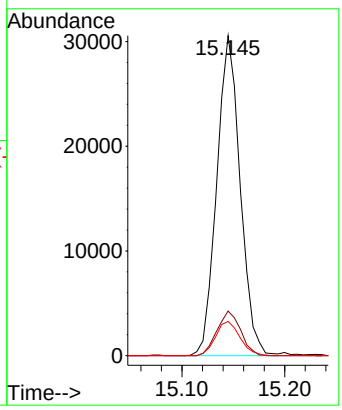




#95
Naphthalene
Concen: 7.904 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:128 Resp: 4836

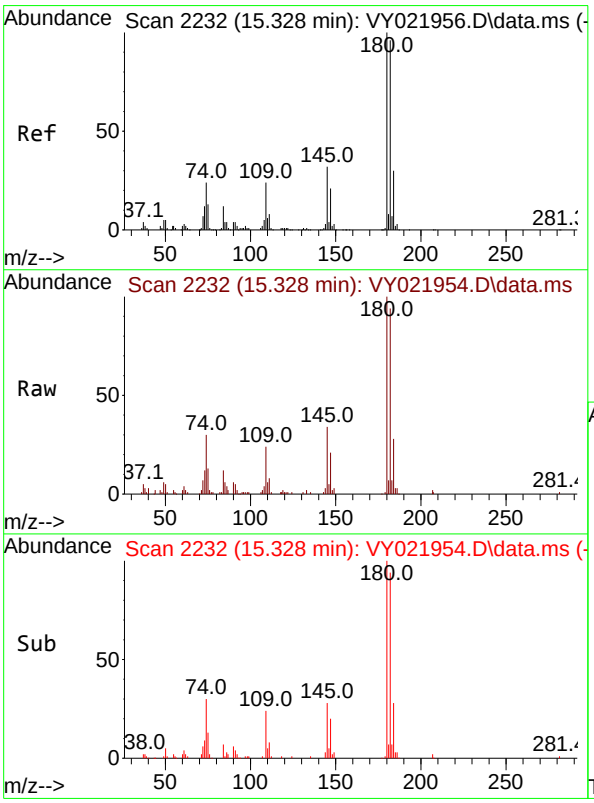
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	16.0
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

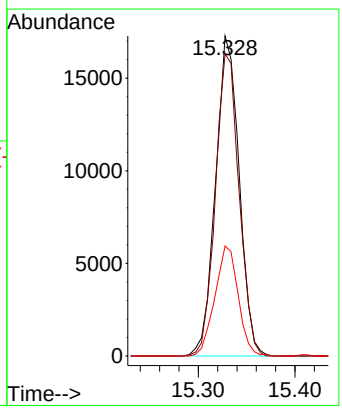
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.207 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:180 Resp: 29276

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.4
145	34.0	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l		
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l		100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l	#	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l		96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l		98
46) Dibromomethane	9.225	93	36893	20.018	ug/l		97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l		99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l		97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l		99
52) Toluene	10.170	92	168035	19.499	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l		99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l		99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l		99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l		98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l		99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l		98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l		98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l		99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l		99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l		99
69) o-Xylene	11.956	106	112603	18.945	ug/l		100
70) Styrene	11.969	104	191106	19.149	ug/l		99
71) Bromoform	12.133	173	39690	19.573	ug/l	#	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l		100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l		
77) Bromobenzene	12.530	156	73838	18.490	ug/l		97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l		99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l		96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l		100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l		99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l		100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l		99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l		98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l		99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l		98
95) Naphthalene	15.145	128	121454	18.238	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 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

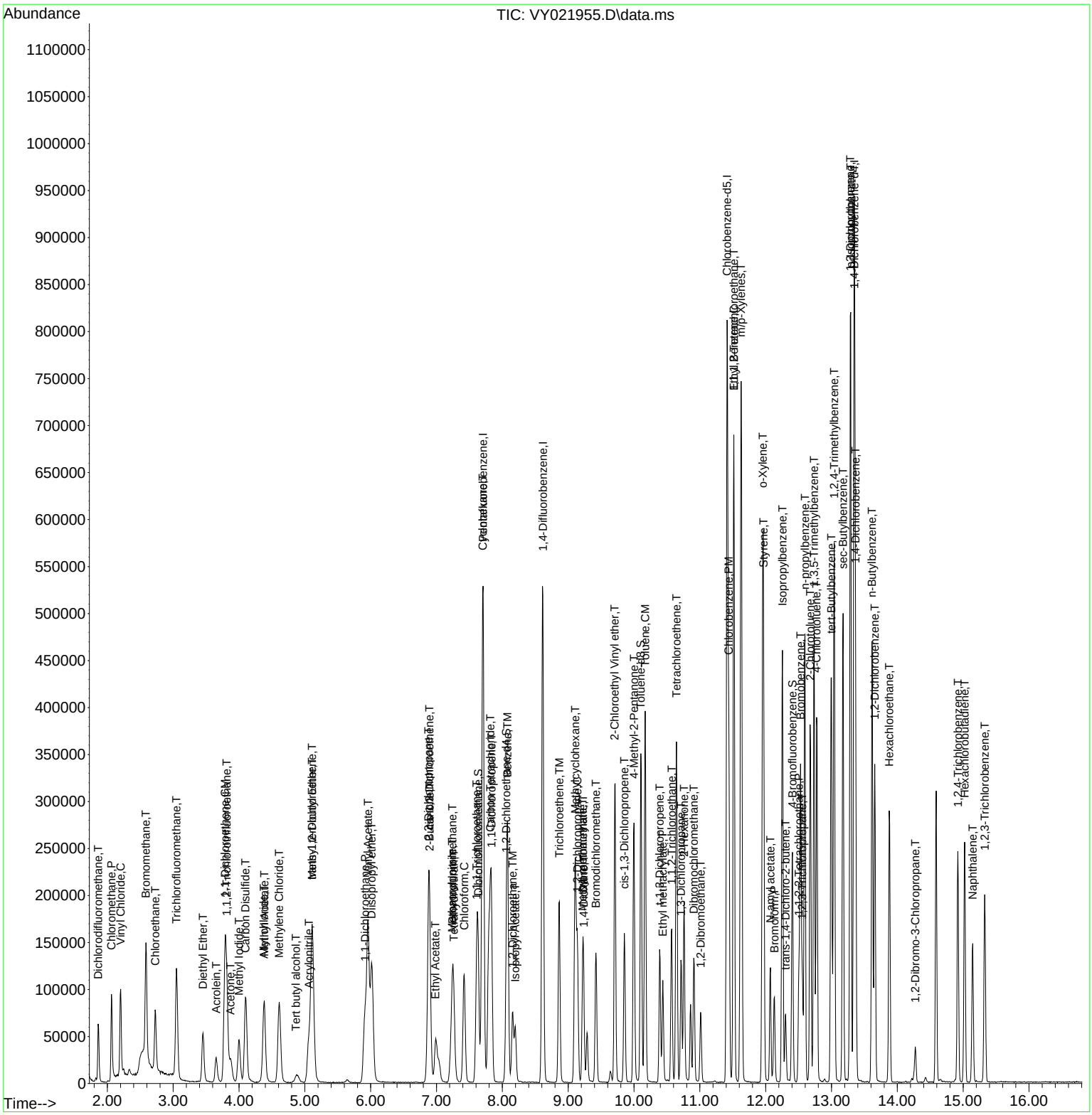
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

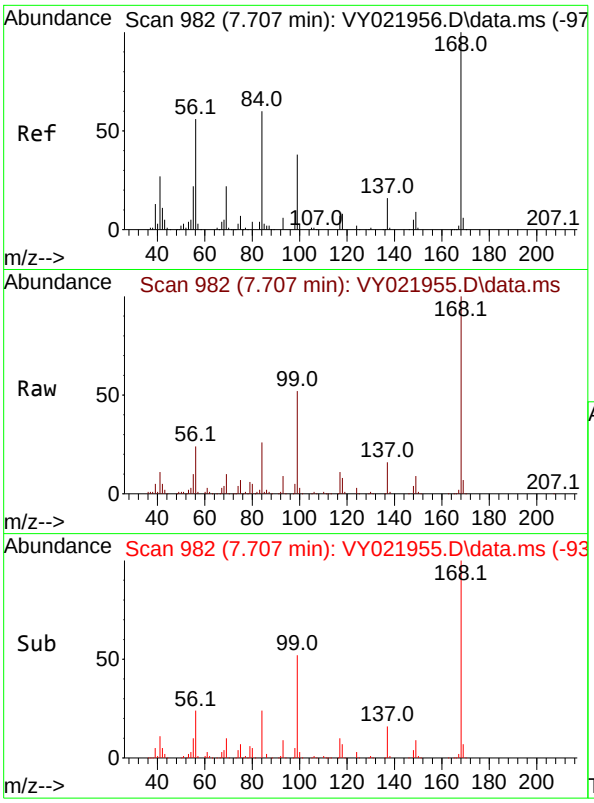
Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

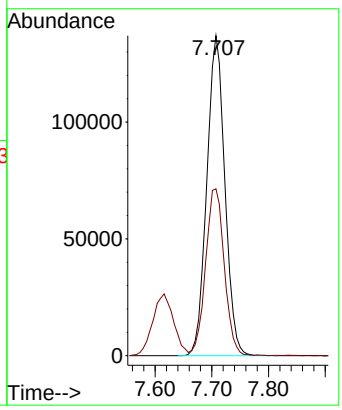




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:168 Resp: 30278

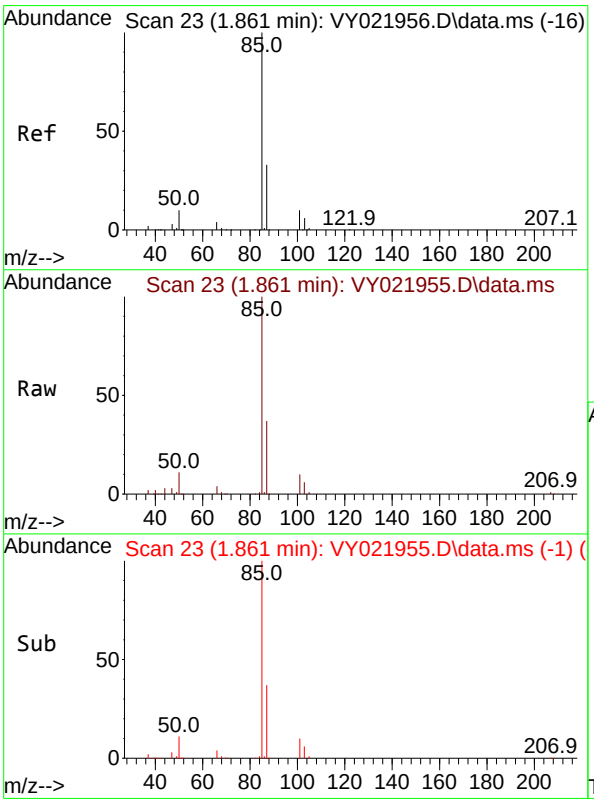
Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

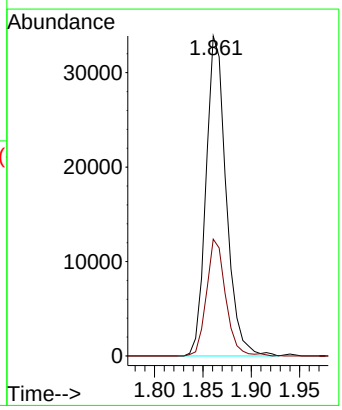
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

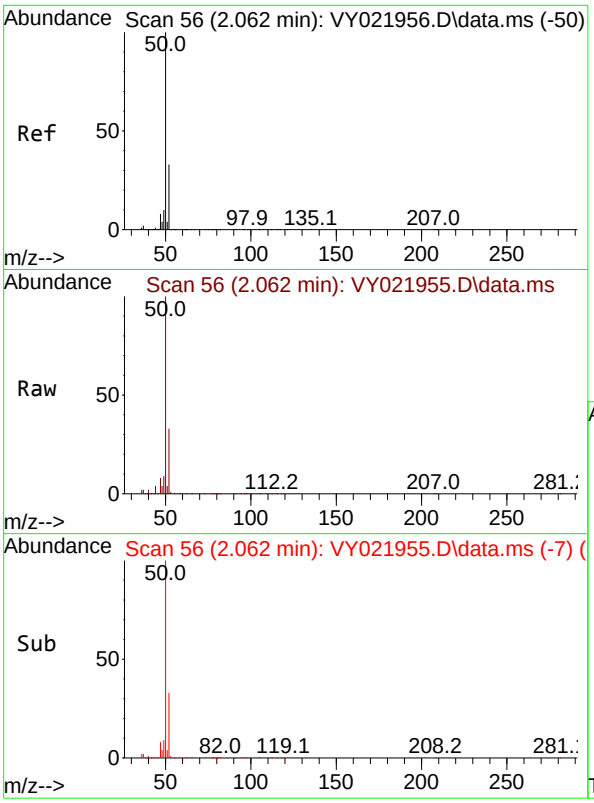


#2
Dichlorodifluoromethane
Concen: 19.018 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 85 Resp: 49065

Ion	Ratio	Lower	Upper
85	100		
87	36.5	16.6	49.7

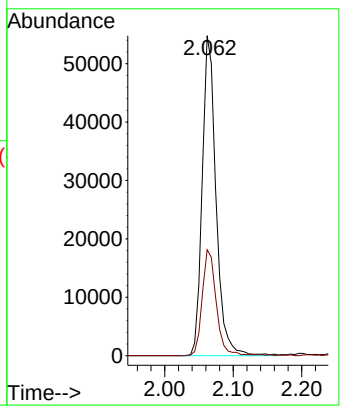




#3
Chloromethane
Concen: 20.957 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 50 Resp: 7699

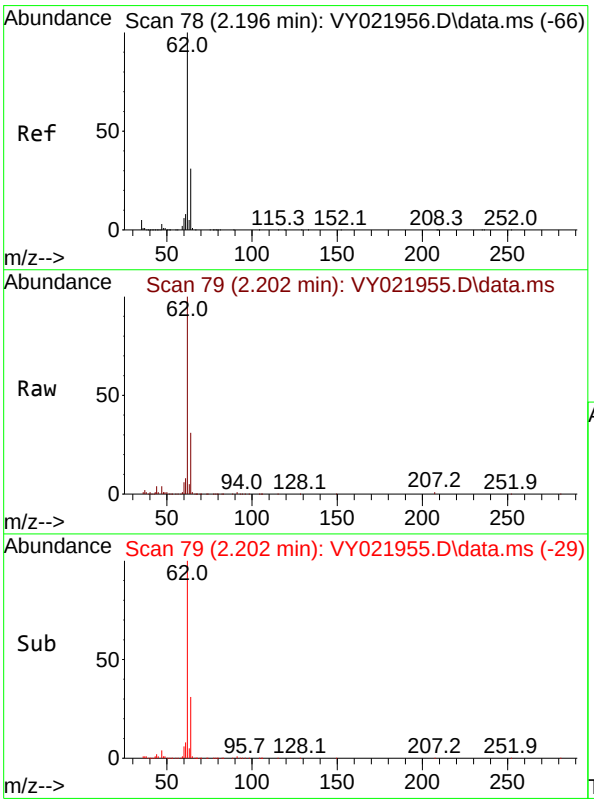
Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

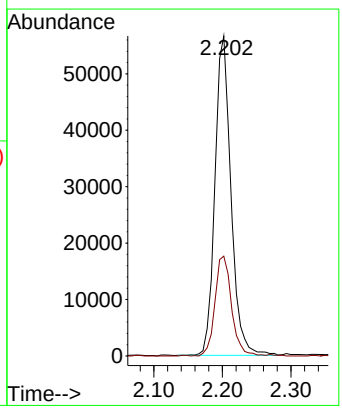
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

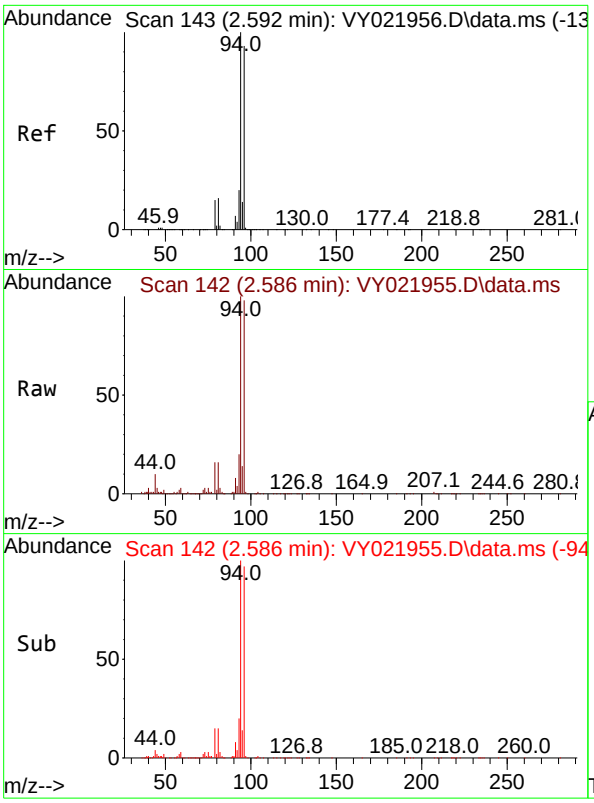


#4
Vinyl Chloride
Concen: 20.326 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 62 Resp: 91757

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.1	37.7

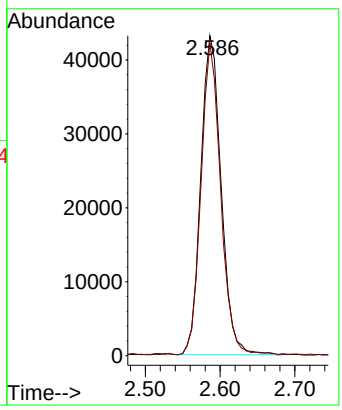




#5
Bromomethane
Concen: 20.981 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 94 Resp: 8160

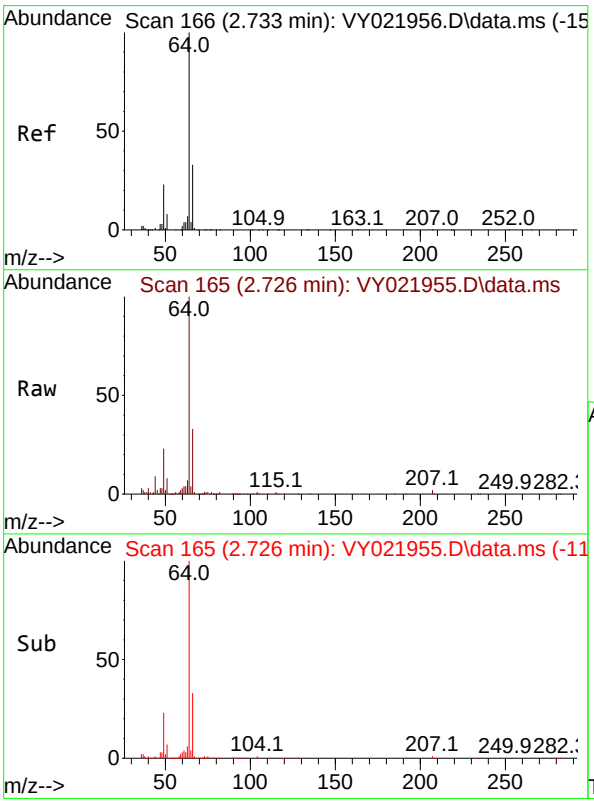
Ion	Ratio	Lower	Upper
94	100		
96	97.7	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

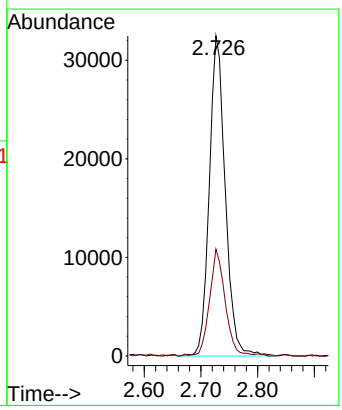
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

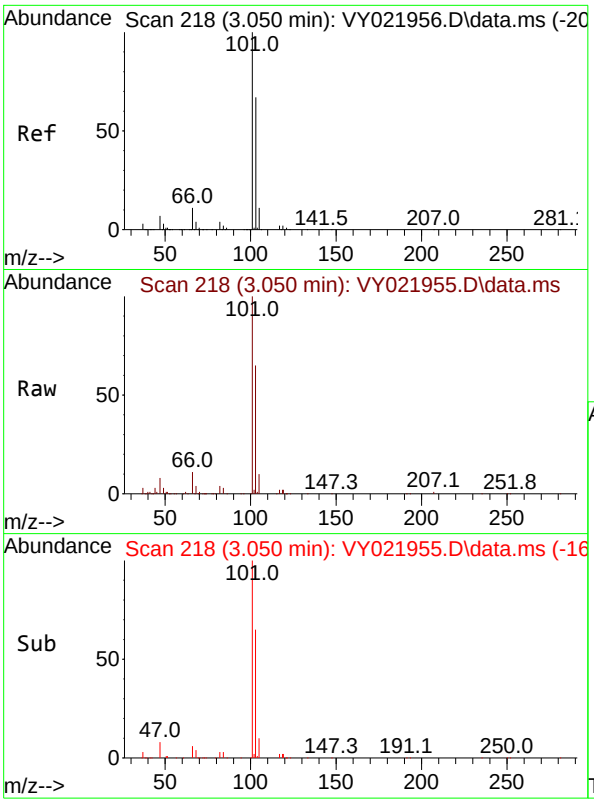


#6
Chloroethane
Concen: 20.654 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 64 Resp: 63501

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.2	39.4

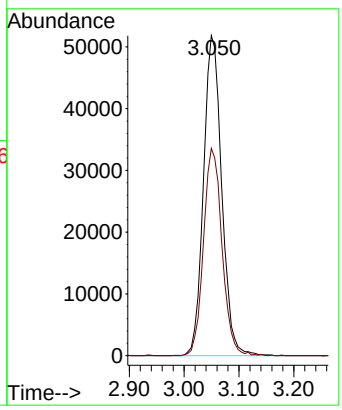




#7
Trichlorofluoromethane
Concen: 20.079 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:101 Resp: 11952

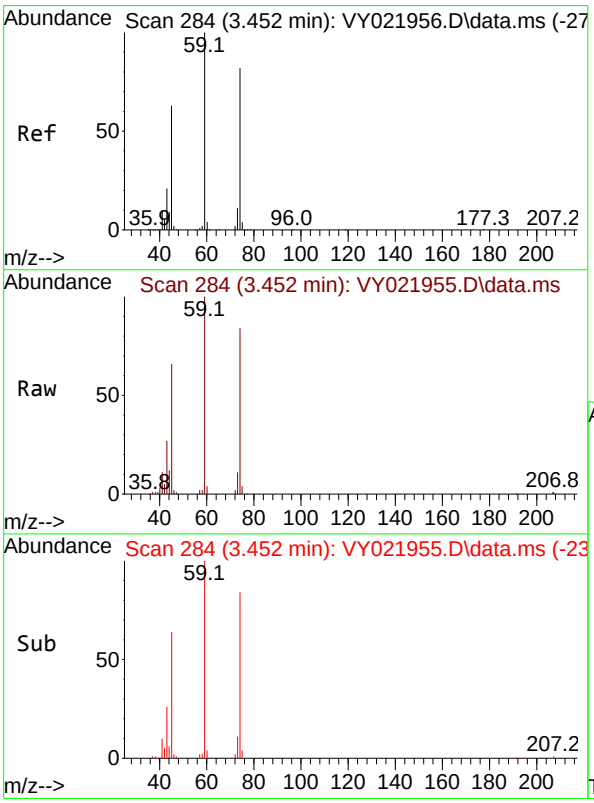
Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

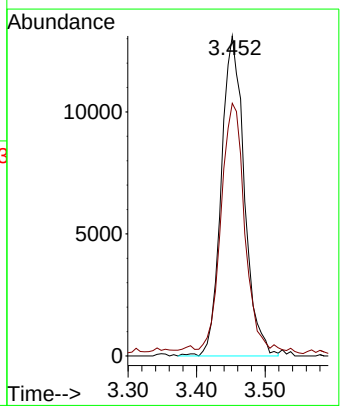
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

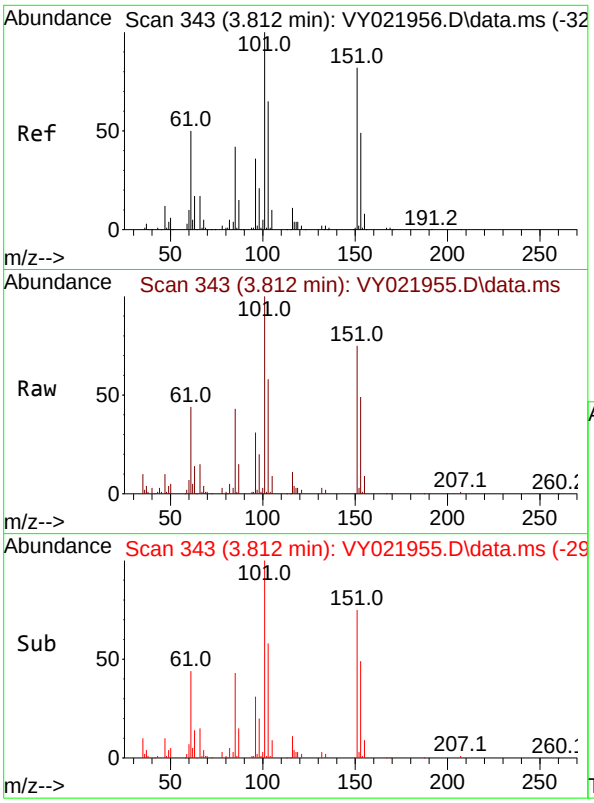


#8
Diethyl Ether
Concen: 19.755 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 74 Resp: 30609

Ion	Ratio	Lower	Upper
74	100		
45	81.9	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.872 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 6417

Ion	Ratio	Lower	Upper
101	100		
85	43.7	34.6	51.8
151	78.5	63.7	95.5

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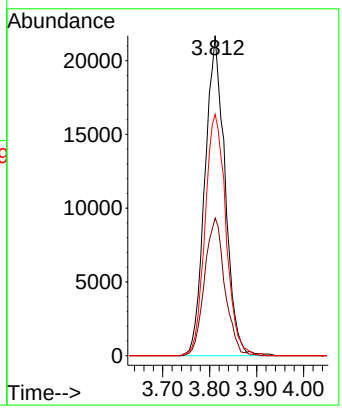
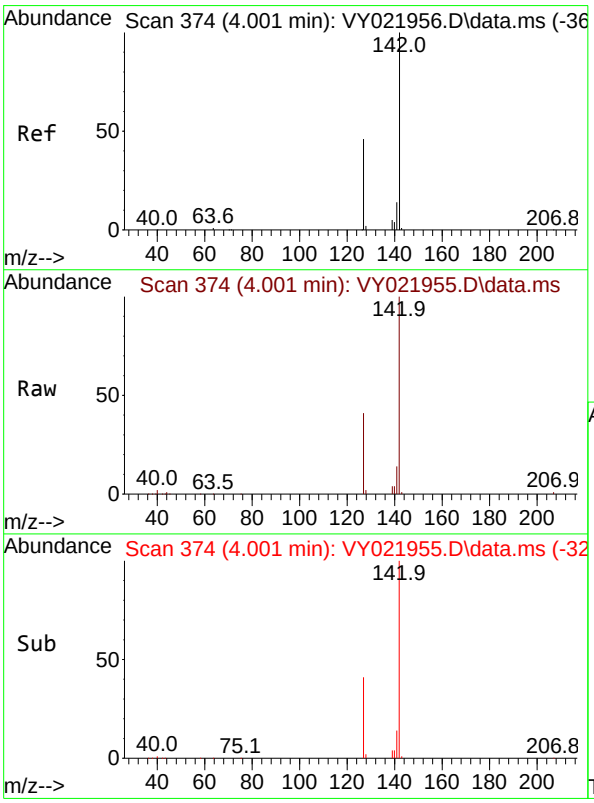
Supervised By :Mahesh Dadoda 04/23/2025

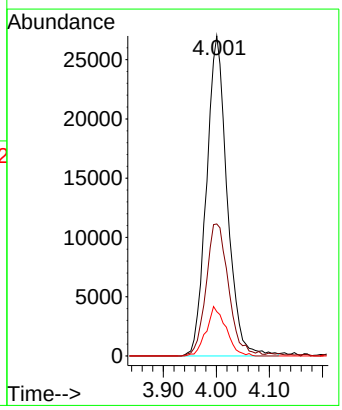


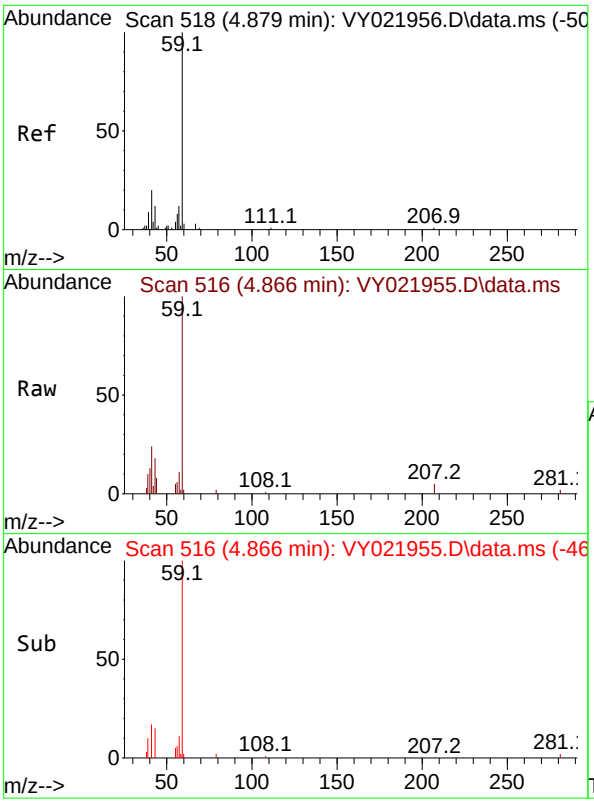


#10
Methyl Iodide
Concen: 19.575 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:142 Resp: 73189

Ion	Ratio	Lower	Upper
142	100		
127	44.9	36.2	54.2
141	14.8	11.7	17.5

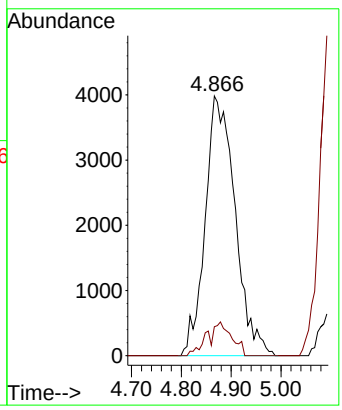




#11
Tert butyl alcohol
Concen: 108.012 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 59 Resp: 1658

Ion	Ratio	Lower	Upper
59	100		
57	7.5	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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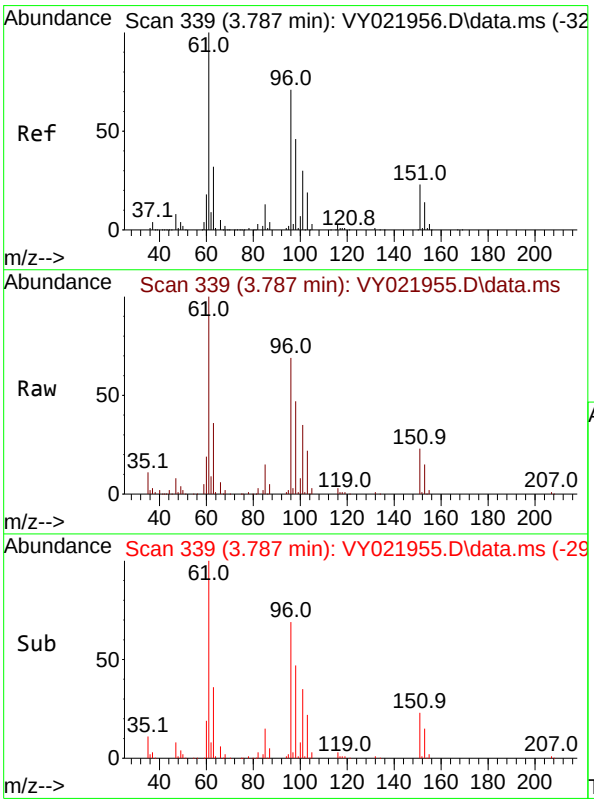
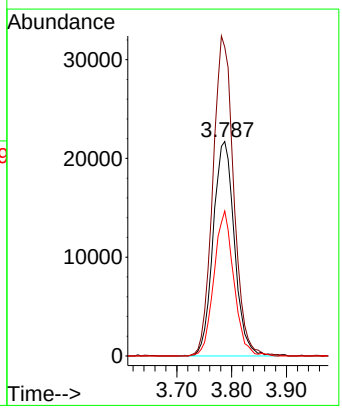
Supervised By :Mahesh Dadoda 04/23/2025

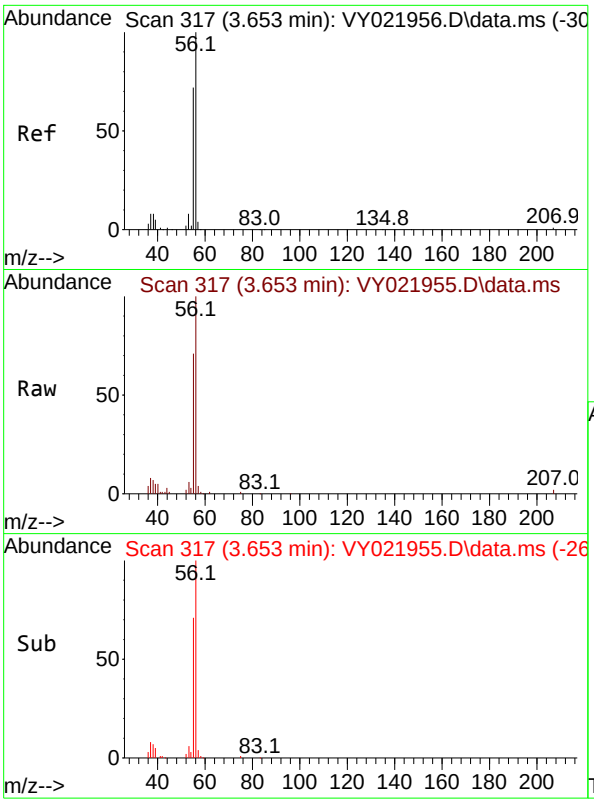


#12
1,1-Dichloroethene
Concen: 19.437 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 96 Resp: 58505

Ion	Ratio	Lower	Upper
96	100		
61	144.0	113.0	169.4
98	67.6	51.4	77.2

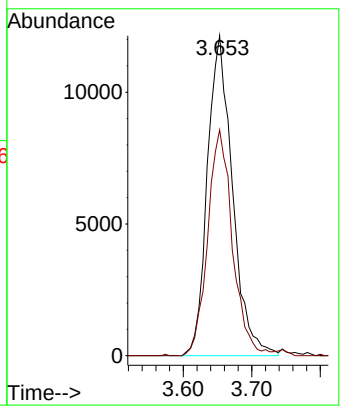




#13
Acrolein
Concen: 112.069 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 56 Resp: 3088

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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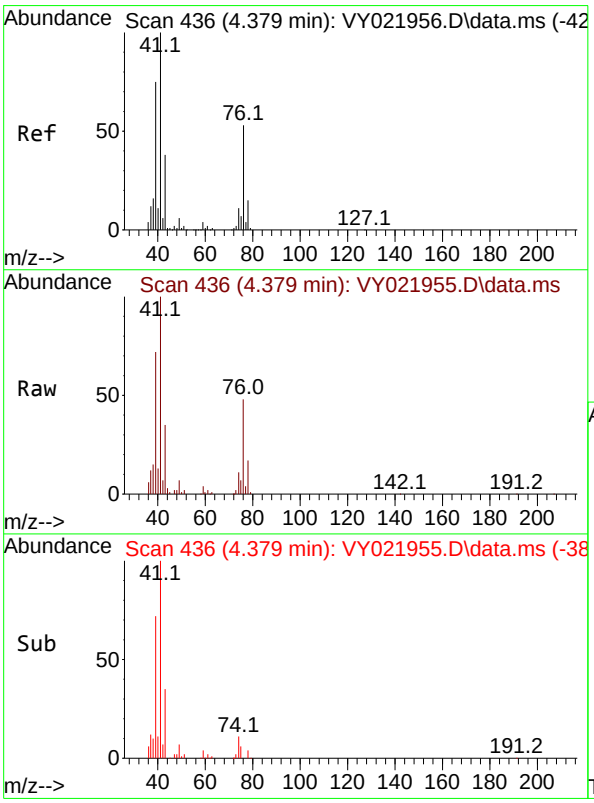
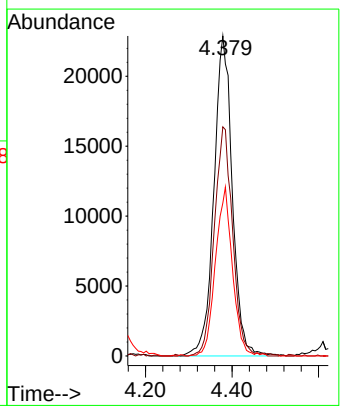
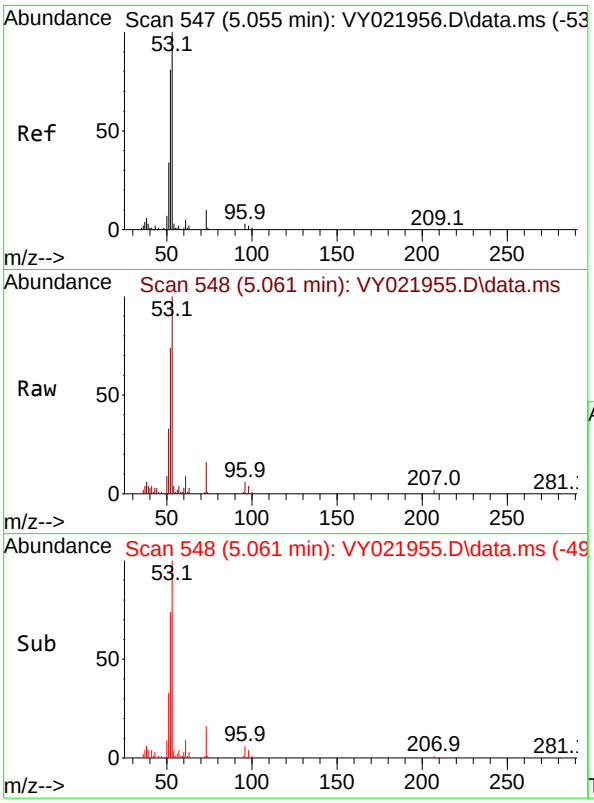


#14
Allyl chloride
Concen: 19.294 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 41 Resp: 67622

Ion	Ratio	Lower	Upper
41	100		
39	71.5	57.2	85.8
76	48.5	39.7	59.5

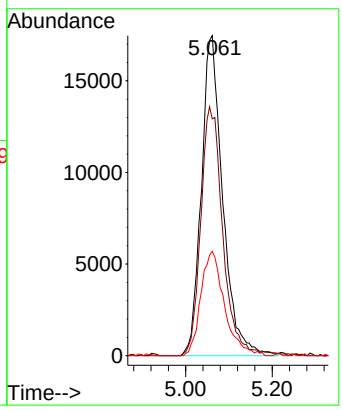




#15
Acrylonitrile
Concen: 105.648 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 53 Resp: 5992

Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.0	97.6
51	36.0	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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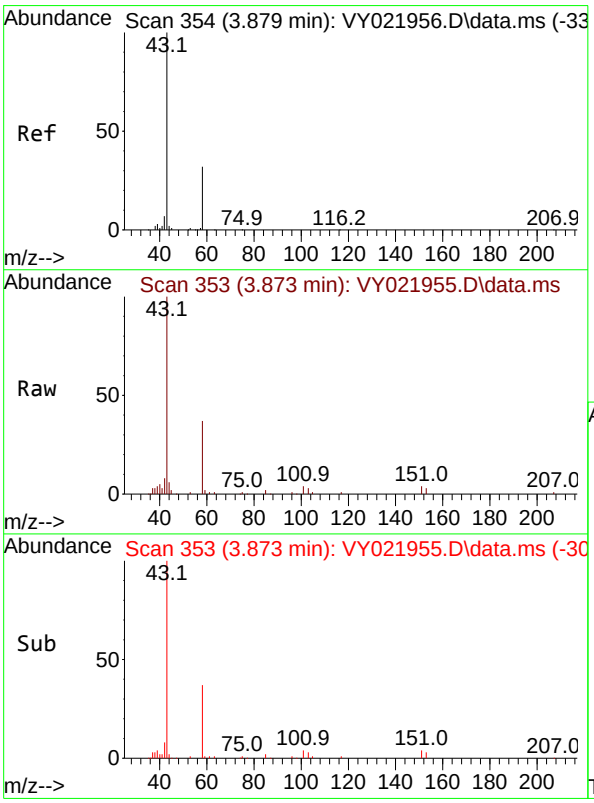
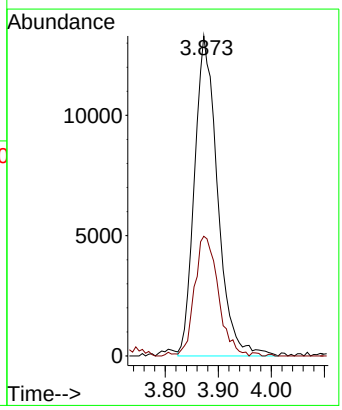
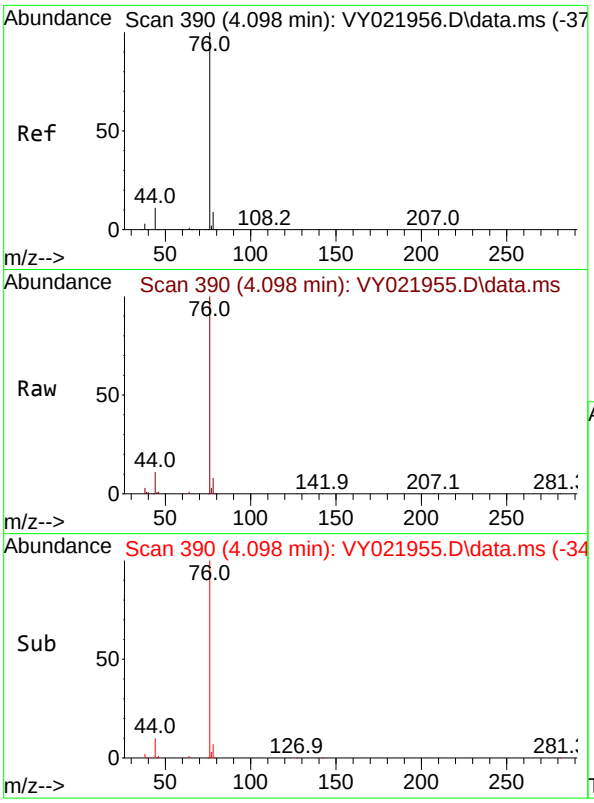


#16
Acetone
Concen: 96.689 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 40190

Ion	Ratio	Lower	Upper
43	100		
58	37.4	27.0	40.4

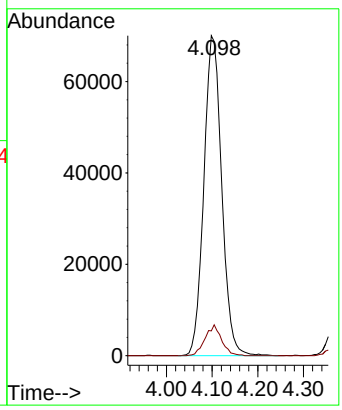




#17
Carbon Disulfide
Concen: 19.796 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 76 Resp: 18998

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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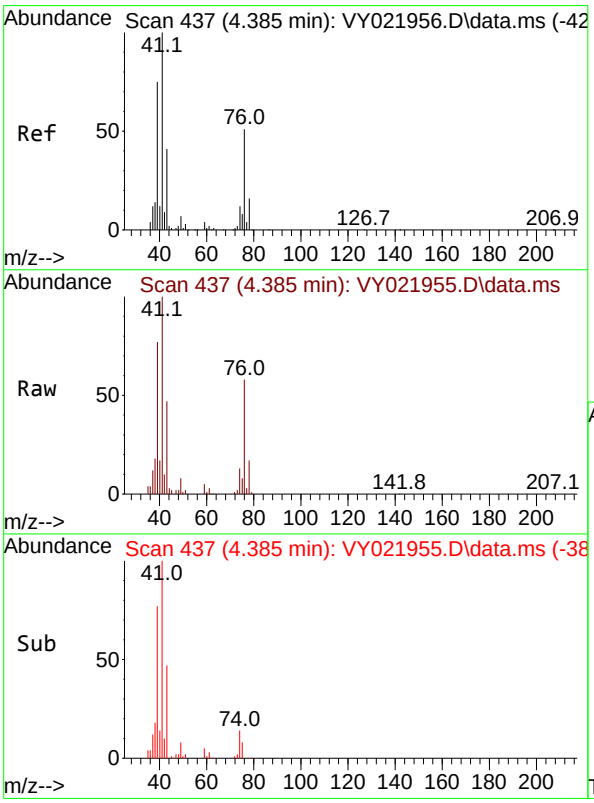
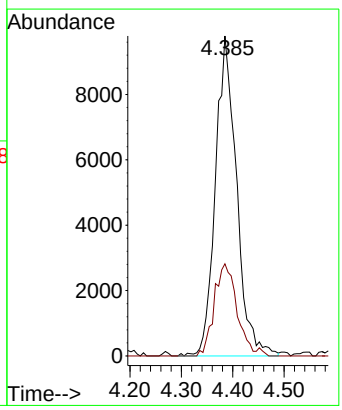
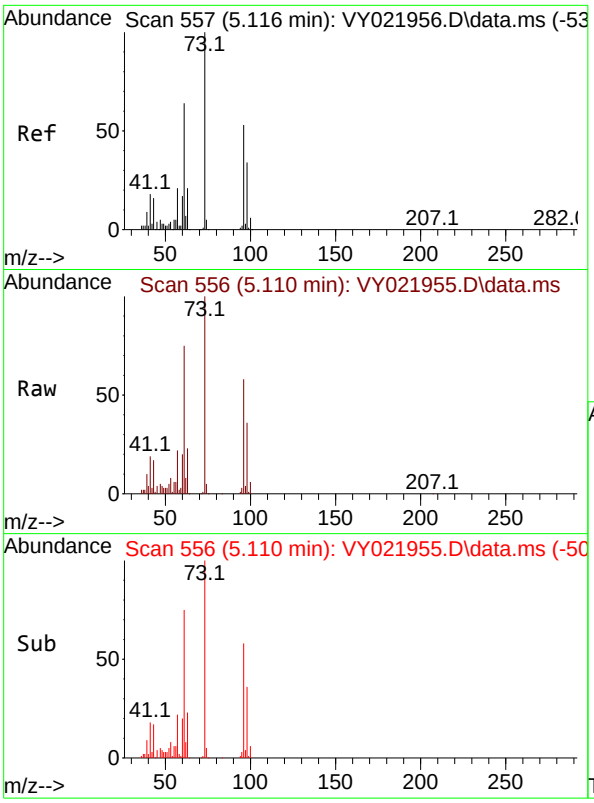


#18
Methyl Acetate
Concen: 21.423 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 27988

Ion	Ratio	Lower	Upper
43	100		
74	30.7	24.2	36.4

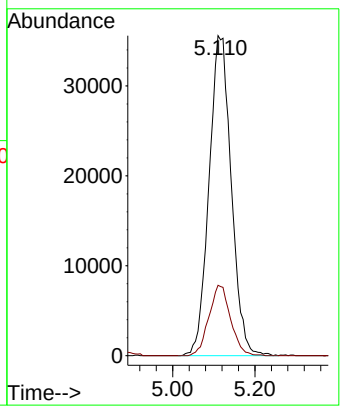




#19
Methyl tert-butyl Ether
Concen: 19.820 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 73 Resp: 13352

Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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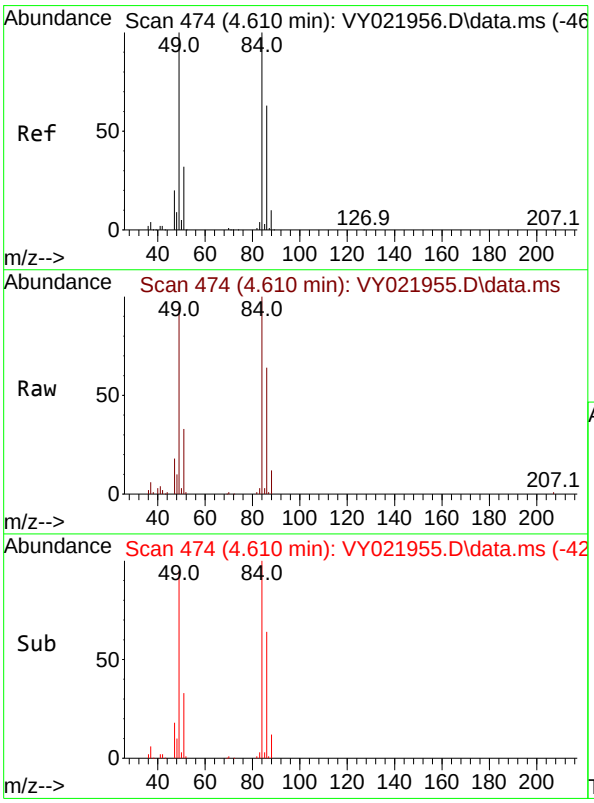
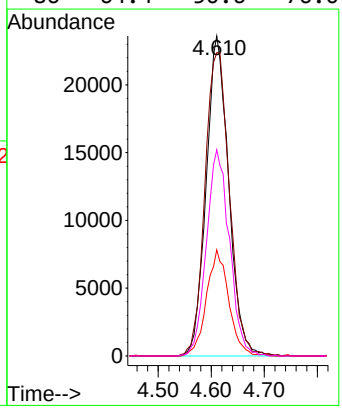
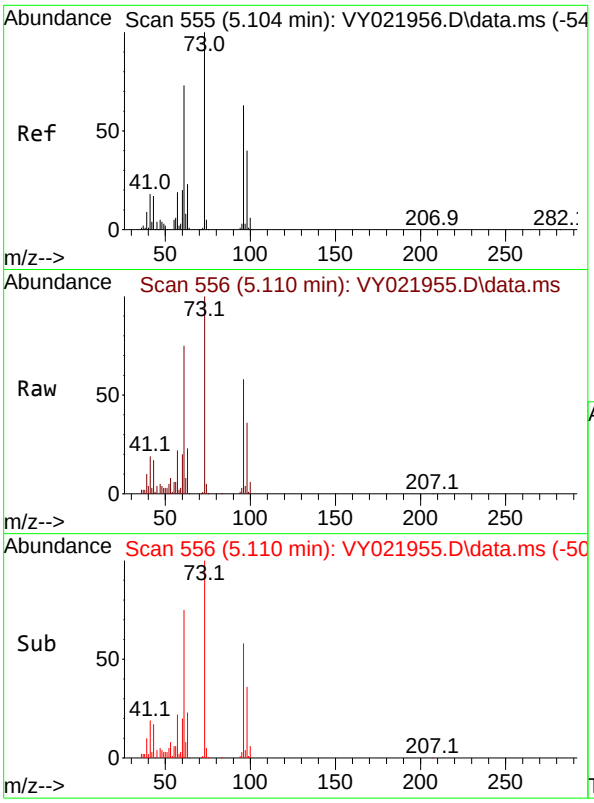


#20
Methylene Chloride
Concen: 19.673 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 84 Resp: 69571

Ion	Ratio	Lower	Upper
84	100		
49	94.8	79.9	119.9
51	33.2	25.4	38.0
86	64.4	50.6	76.0

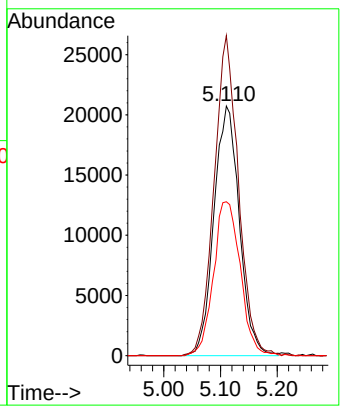




#21
trans-1,2-Dichloroethene
Concen: 19.148 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 96 Resp: 6454

Ion	Ratio	Lower	Upper
96	100		
61	128.2	92.6	138.8
98	61.7	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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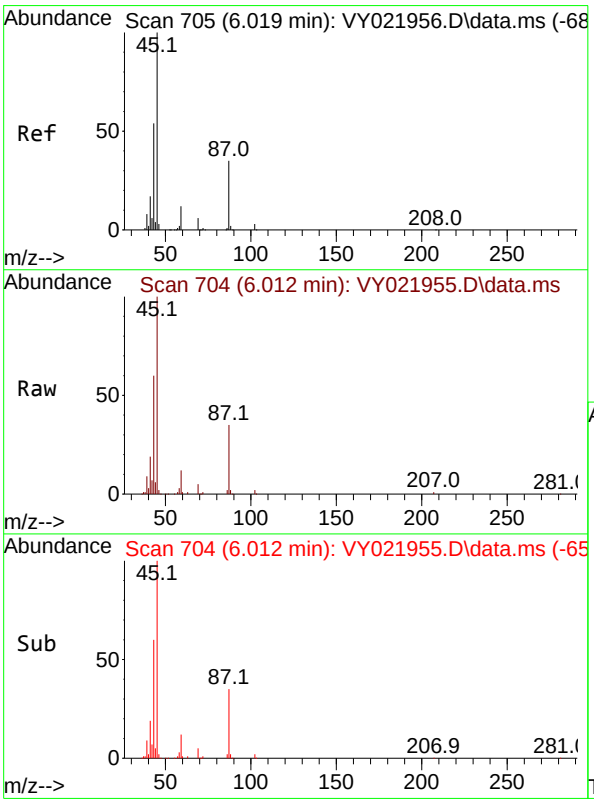
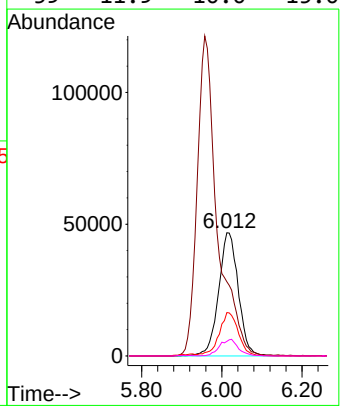
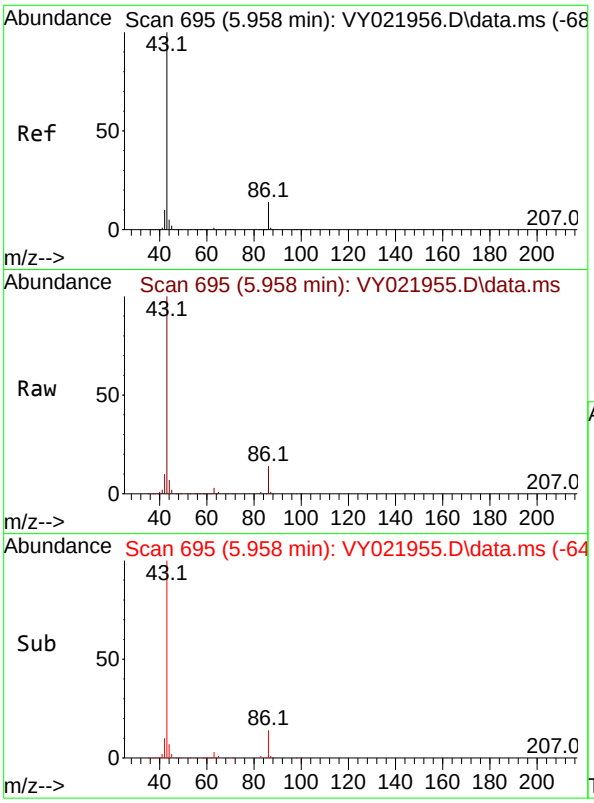


#22
Diisopropyl ether
Concen: 20.439 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 45 Resp: 159414

Ion	Ratio	Lower	Upper
45	100		
43	59.8	43.6	65.4
87	35.2	28.2	42.4
59	11.9	10.0	15.0





#23
Vinyl Acetate
Concen: 100.901 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 42412

Ion	Ratio	Lower	Upper
43	100		
86	13.9	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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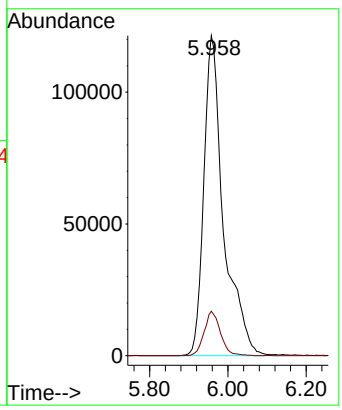
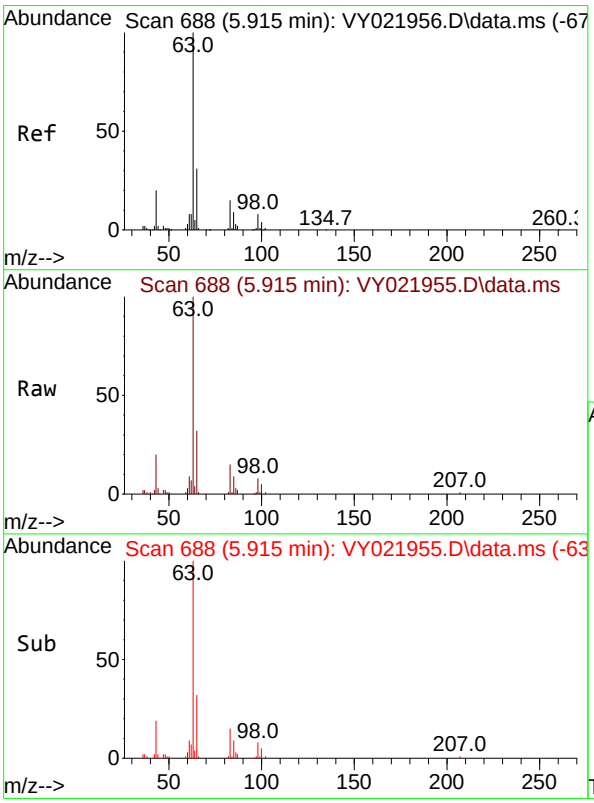
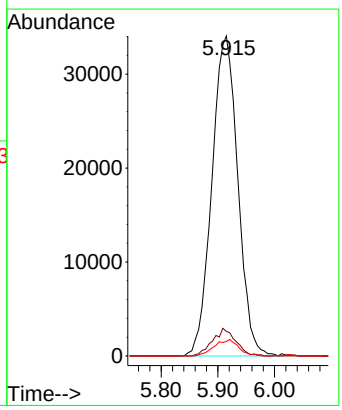


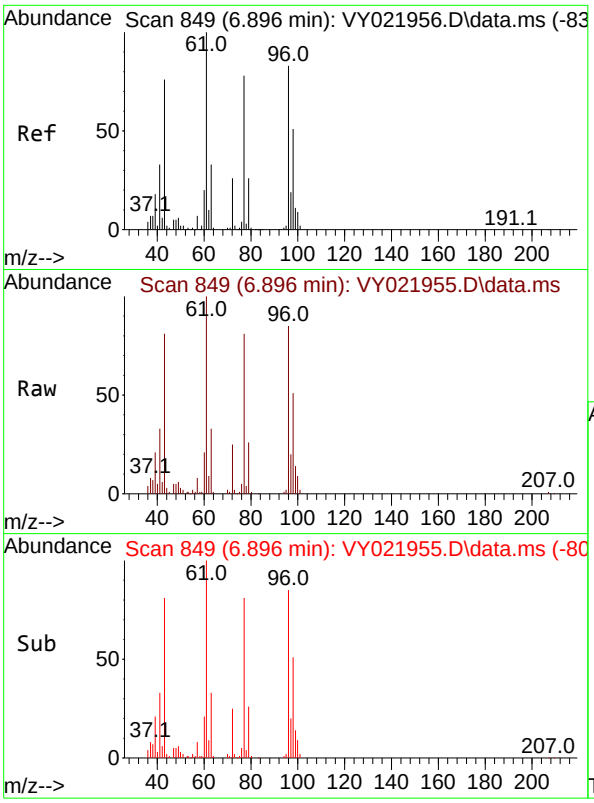


#24
1,1-Dichloroethane
Concen: 20.006 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 63 Resp: 108156

Ion	Ratio	Lower	Upper
63	100		
98	7.7	4.0	11.9
100	4.5	2.0	6.0

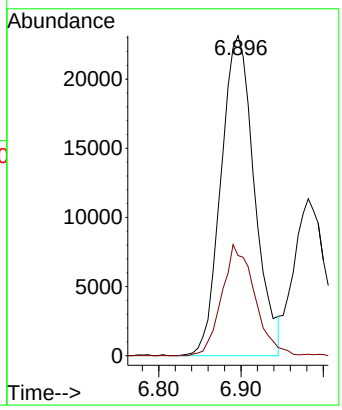




#25
2-Butanone
Concen: 102.688 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 6546

Ion	Ratio	Lower	Upper
43	100		
72	31.3	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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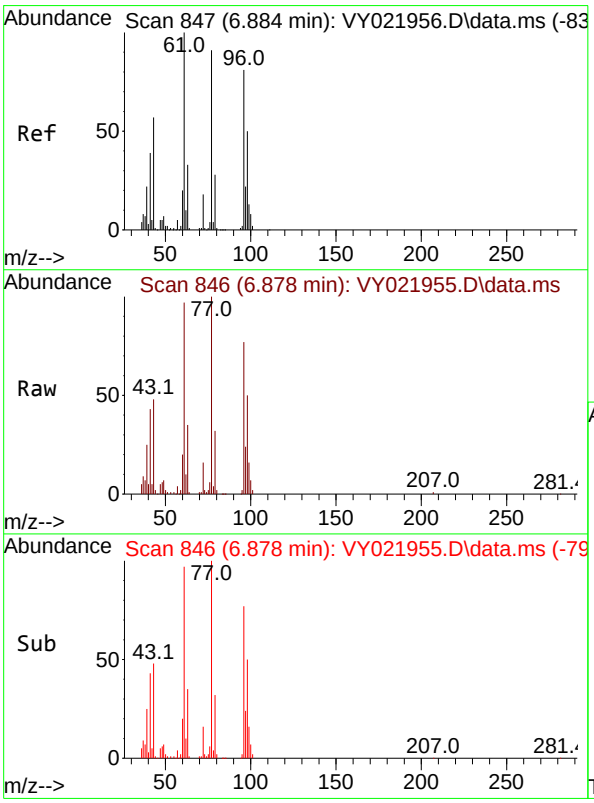
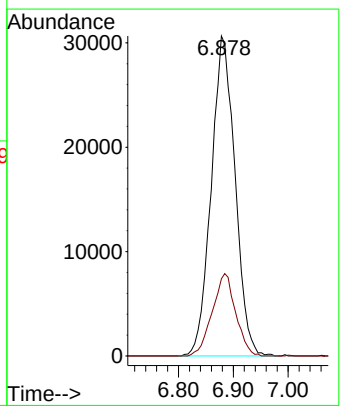
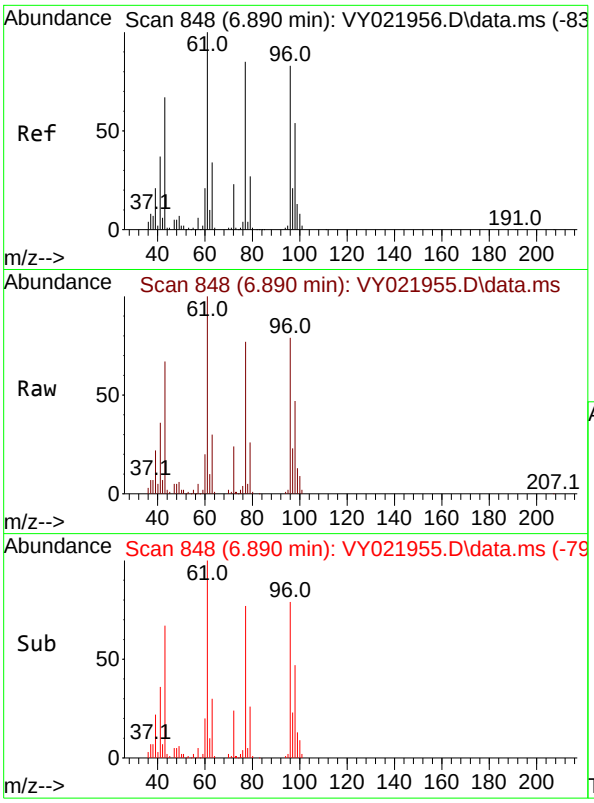


#26
2,2-Dichloropropane
Concen: 19.503 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 77 Resp: 92415

Ion	Ratio	Lower	Upper
77	100		
97	25.3	12.4	37.4

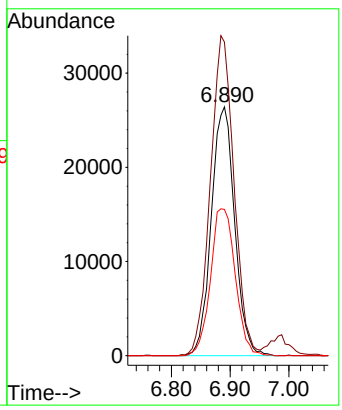




#27
cis-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 96 Resp: 7311

Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	251.4
98	62.5	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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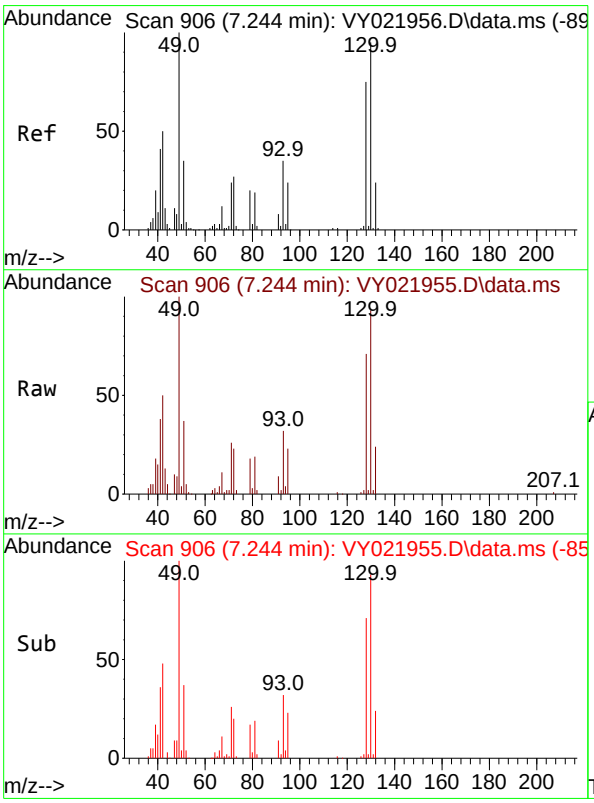
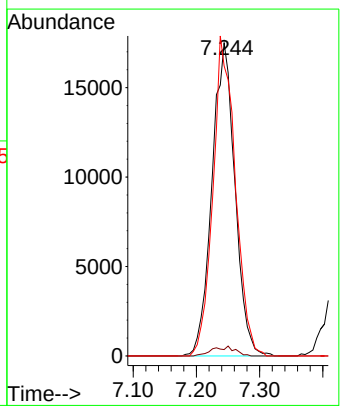
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

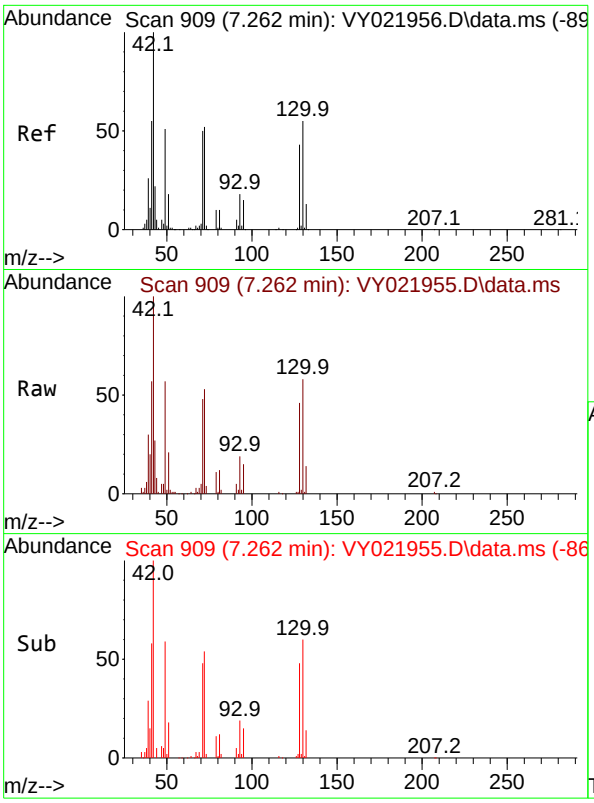


#28
Bromochloromethane
Concen: 21.027 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 49 Resp: 44154

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.0
130	99.1	78.2	117.4

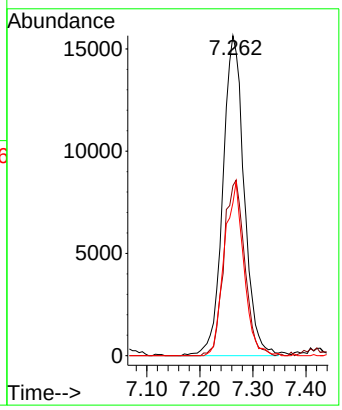




#29
Tetrahydrofuran
Concen: 105.459 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 42 Resp: 4366

Ion	Ratio	Lower	Upper
42	100		
72	53.6	42.6	63.8
71	50.0	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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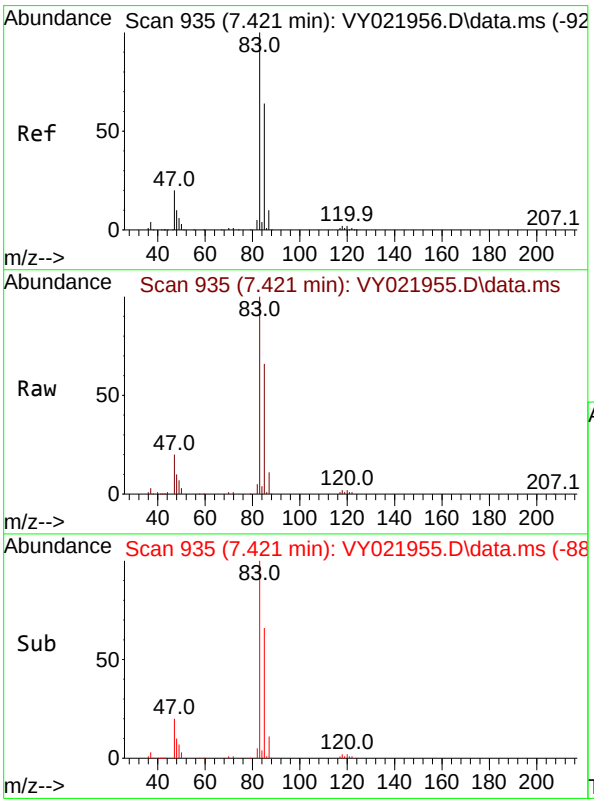
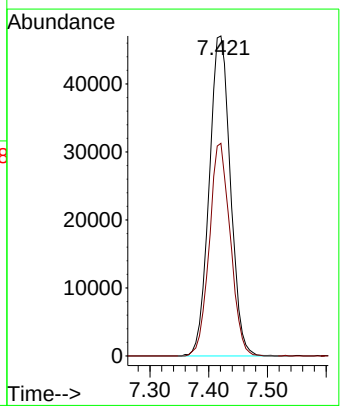
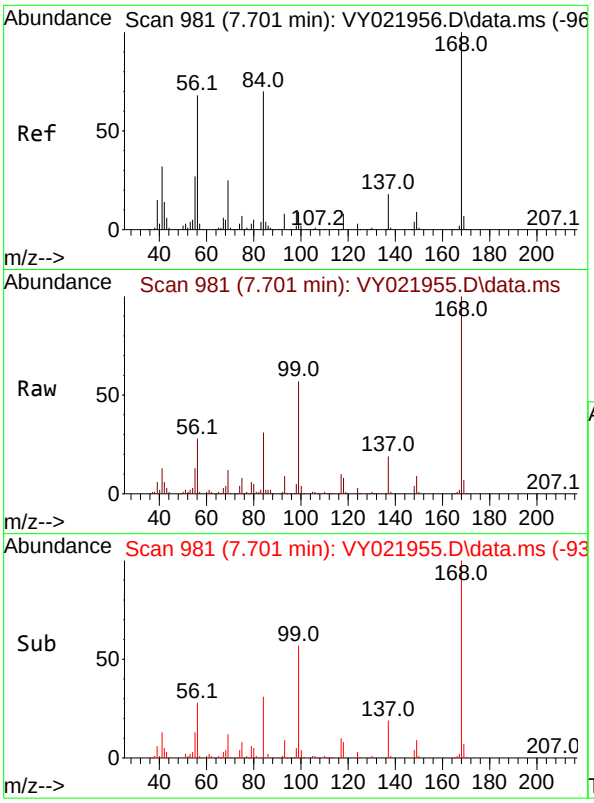


#30
Chloroform
Concen: 19.666 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 83 Resp: 117934

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9

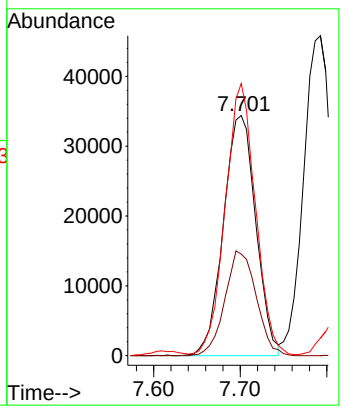




#31
Cyclohexane
Concen: 19.333 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 56 Resp: 8938

Ion	Ratio	Lower	Upper
56	100		
69	42.3	29.4	44.2
84	112.0	82.2	123.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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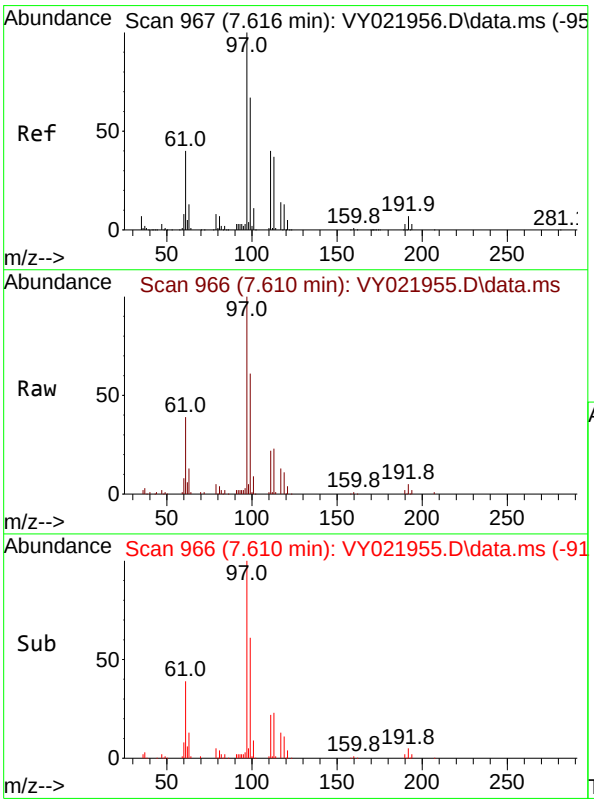
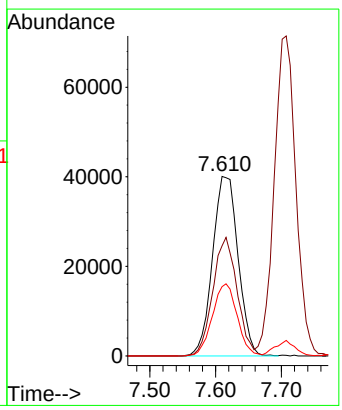
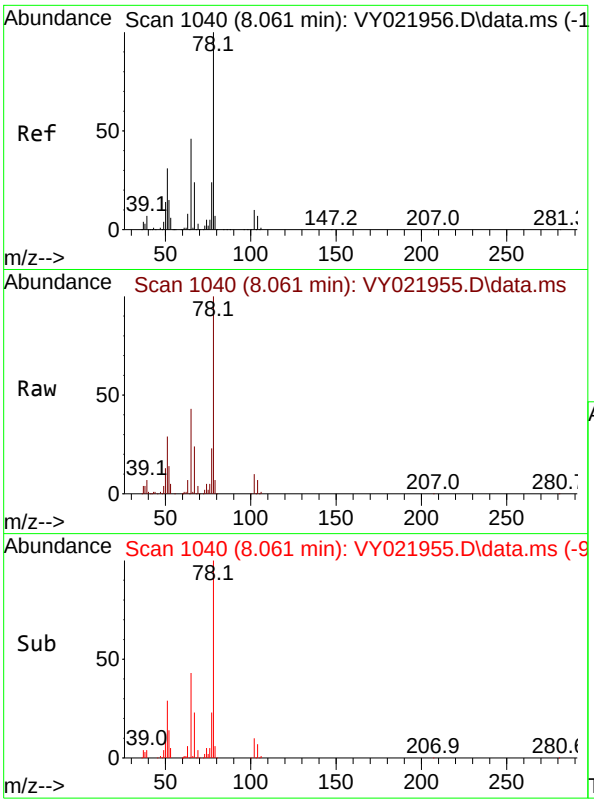


#32
1,1,1-Trichloroethane
Concen: 19.993 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 97 Resp: 108468

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.2
61	39.0	31.4	47.2

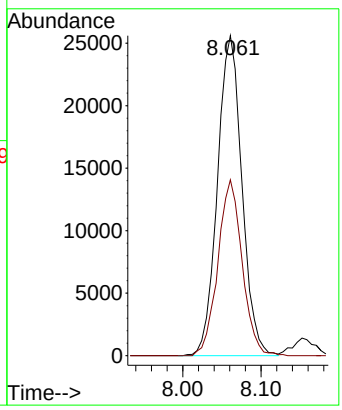




#33
1,2-Dichloroethane-d4
Concen: 19.891 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 65 Resp: 5562

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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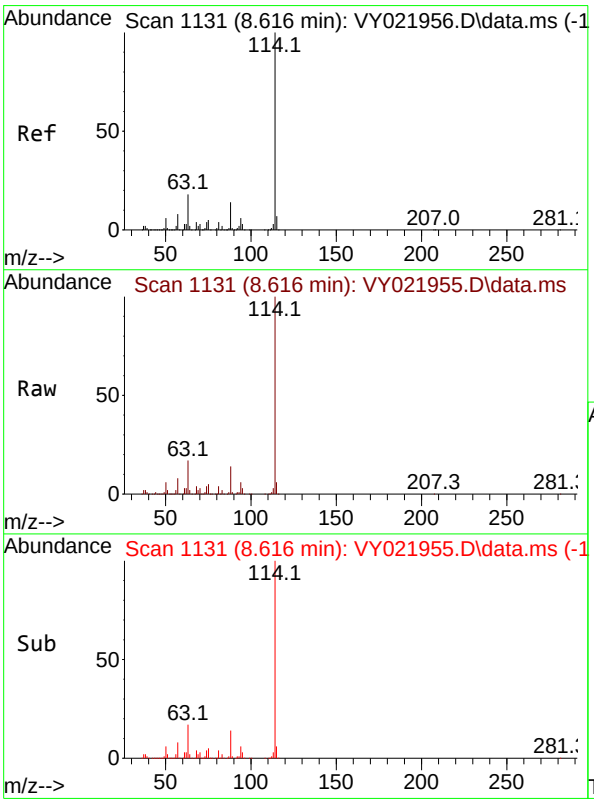
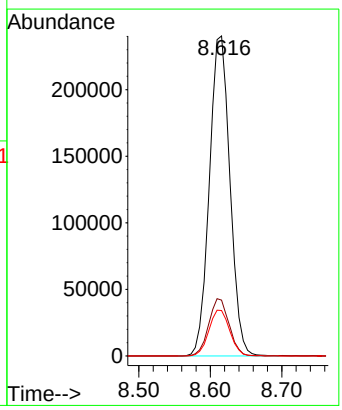
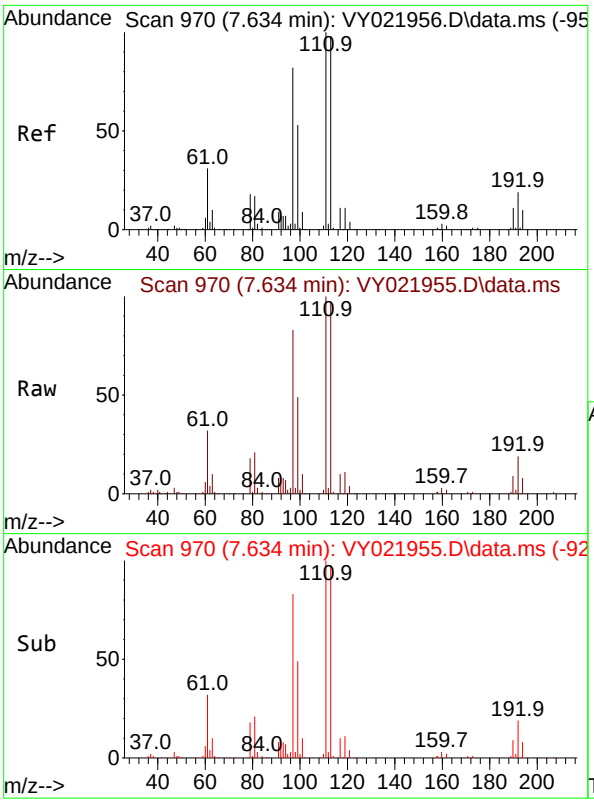


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:114 Resp: 479908

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.4
88	14.2	0.0	28.2

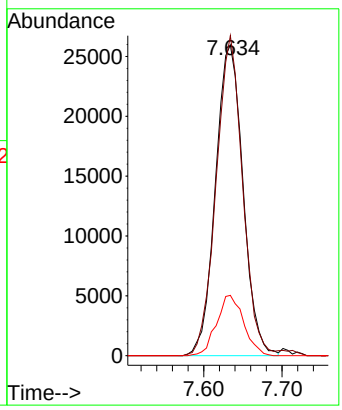




#35
Dibromofluoromethane
Concen: 20.003 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:113 Resp: 6341

Ion	Ratio	Lower	Upper
113	100		
111	98.7	81.8	122.8
192	19.1	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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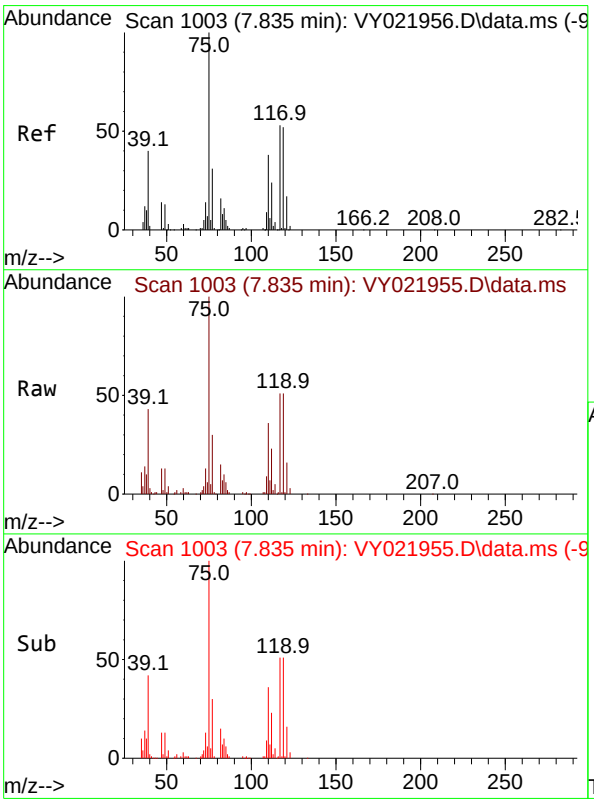
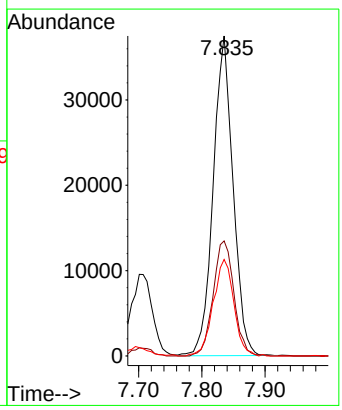
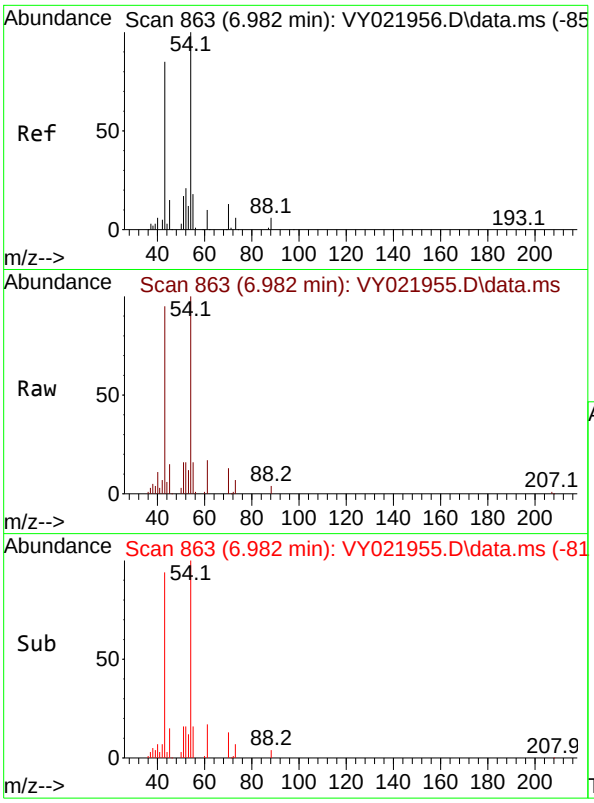


#36
1,1-Dichloropropene
Concen: 19.127 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 81459

Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.1	57.3
77	31.6	25.5	38.3





#37
Ethyl Acetate
Concen: 20.755 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 3131

Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.6
70	12.2	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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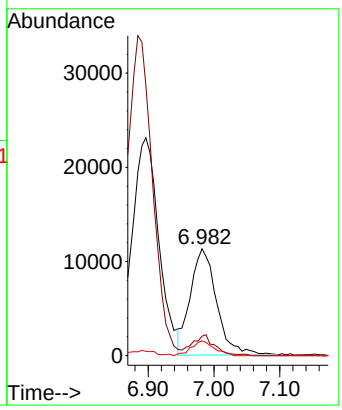
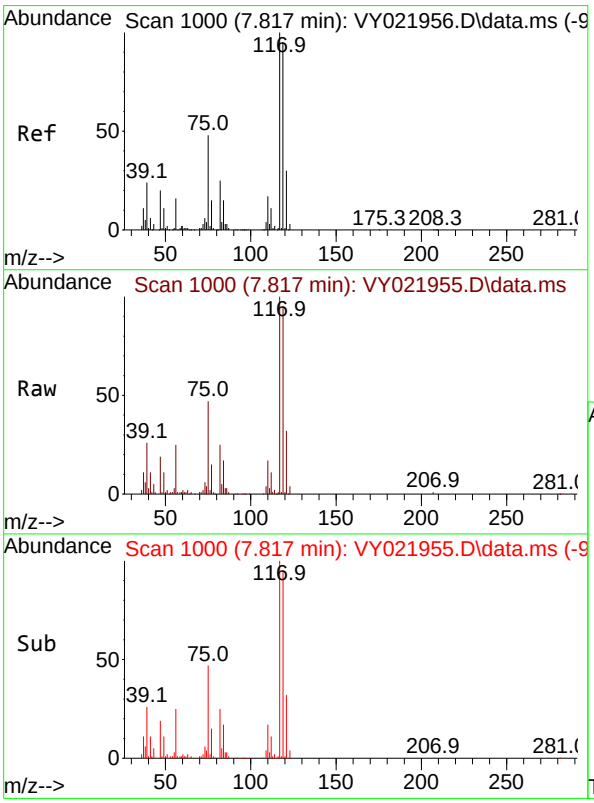
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

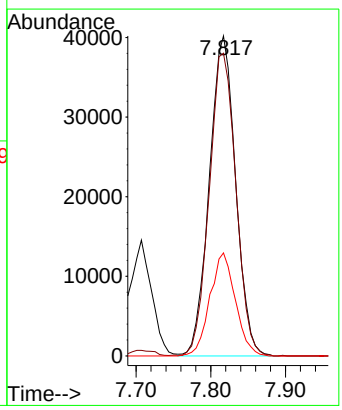


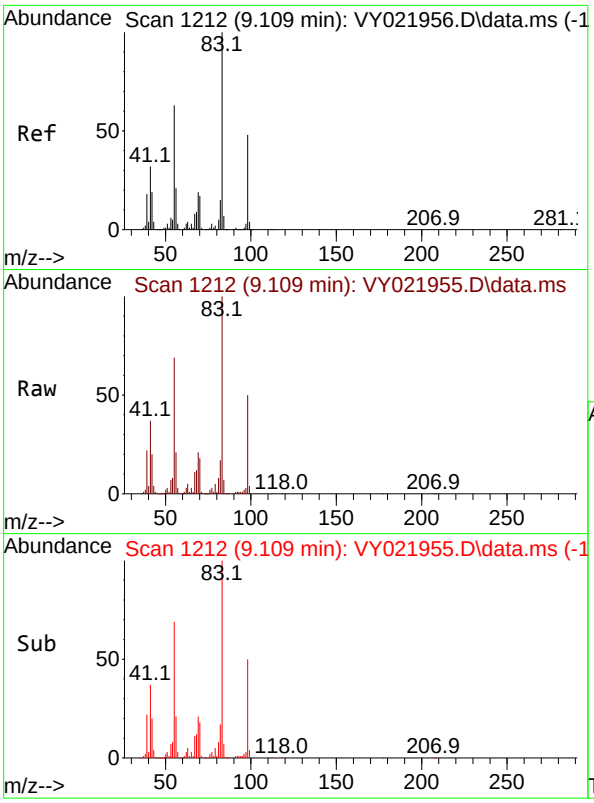


#38
Carbon Tetrachloride
Concen: 19.318 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:117 Resp: 98308

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.2	114.4
121	32.2	24.0	36.0





#39
Methylcyclohexane
Concen: 18.578 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 83 Resp: 9957

Ion	Ratio	Lower	Upper
83	100		
55	69.0	50.6	75.8
98	49.9	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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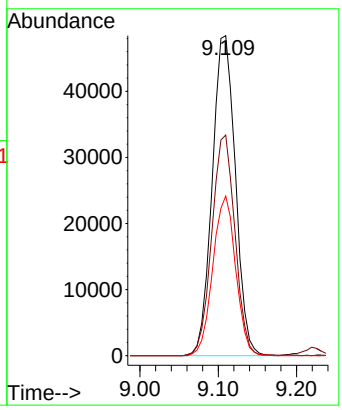
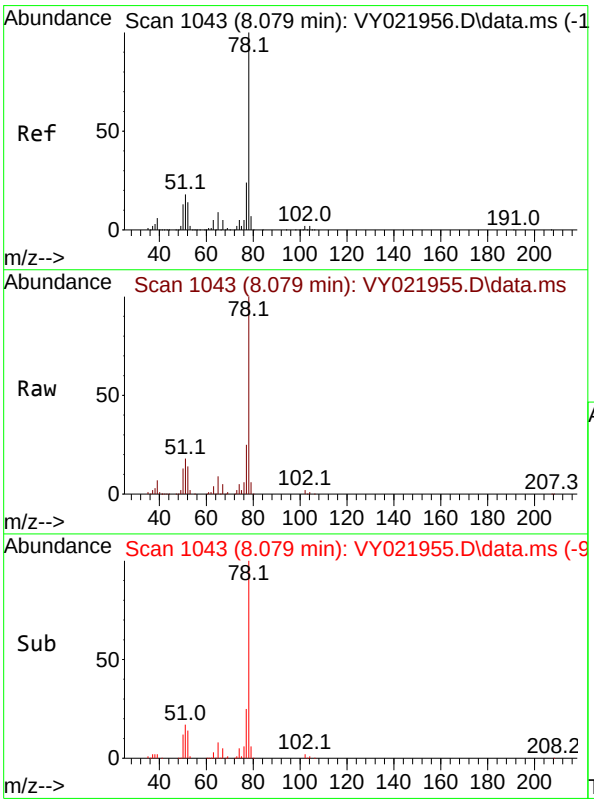
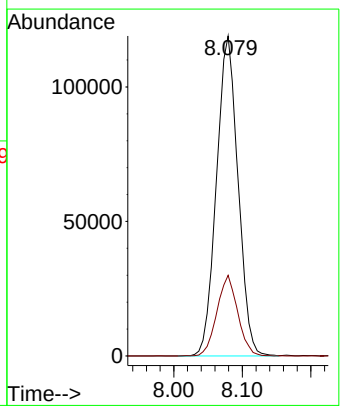


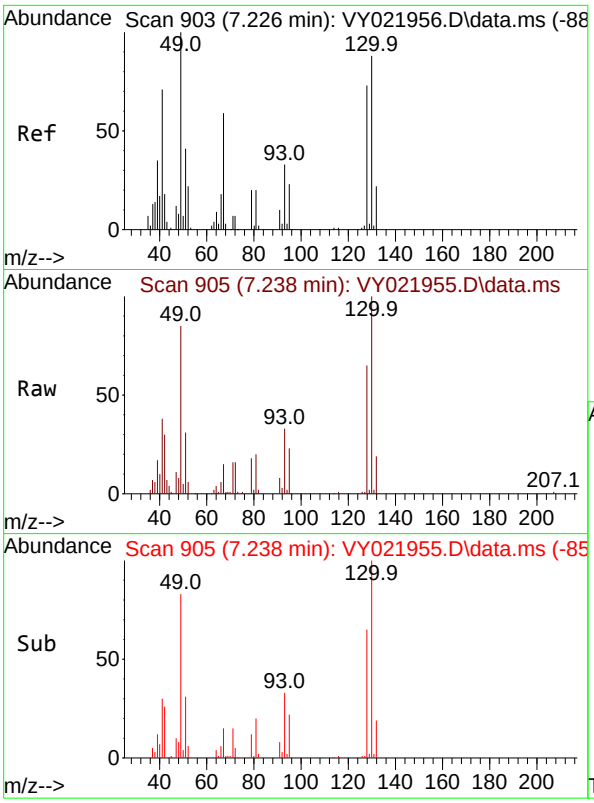


#40
Benzene
Concen: 19.482 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 78 Resp: 259371

Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.3	28.9

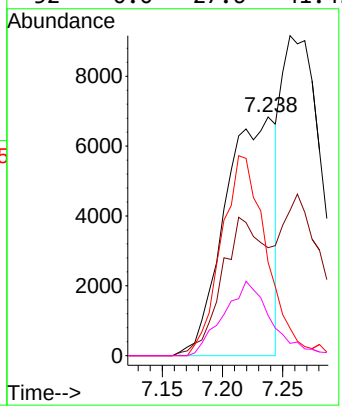




#41
Methacrylonitrile
Concen: 23.846 ug/l m
RT: 7.238 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 41 Resp: 1994

Ion	Ratio	Lower	Upper
41	100		
39	53.3	36.6	55.0
67	0.0	72.2	108.4#
52	0.0	27.6	41.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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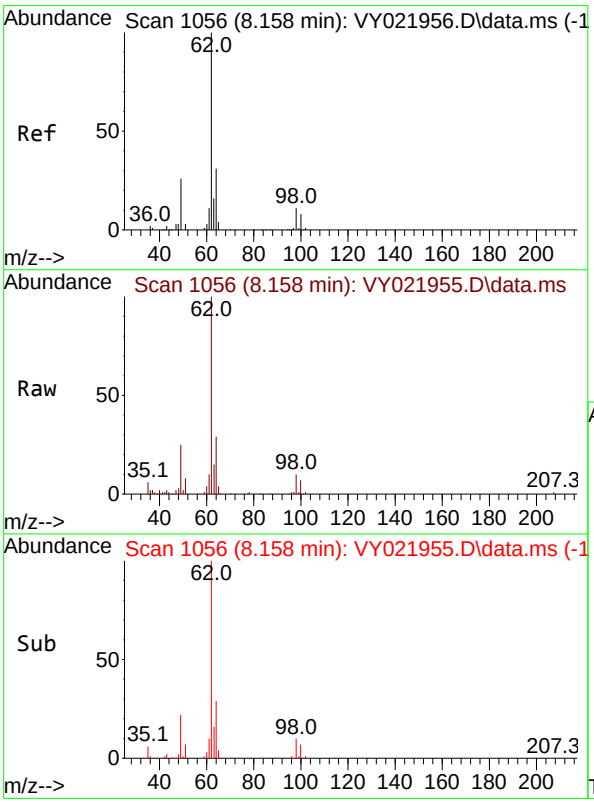
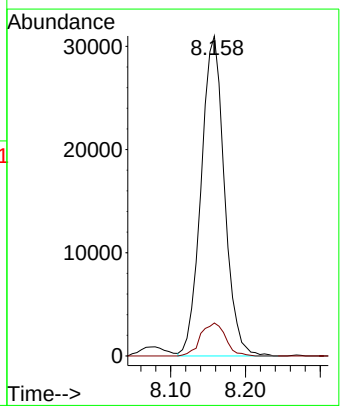
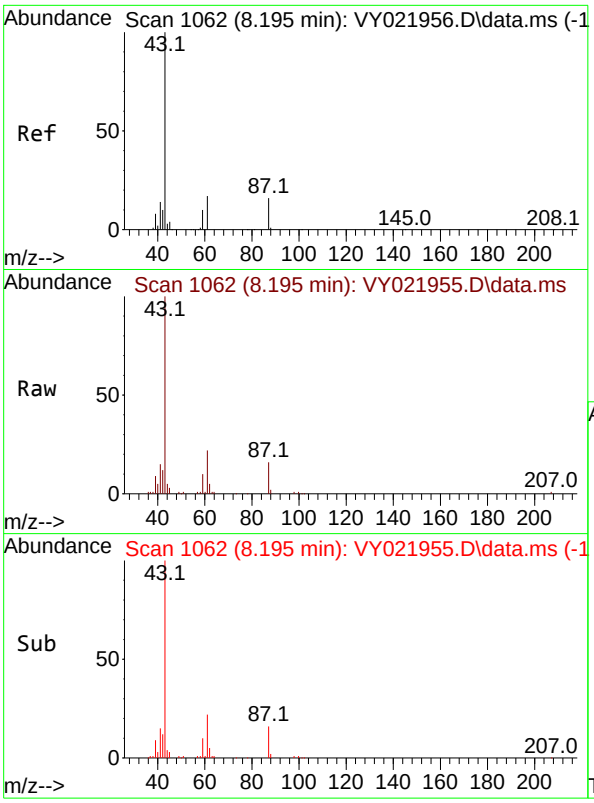


#42
1,2-Dichloroethane
Concen: 20.398 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 62 Resp: 67235

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0





#43
Isopropyl Acetate
Concen: 20.495 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 6020

Ion	Ratio	Lower	Upper
43	100		
61	34.7	18.9	28.3#
87	16.8	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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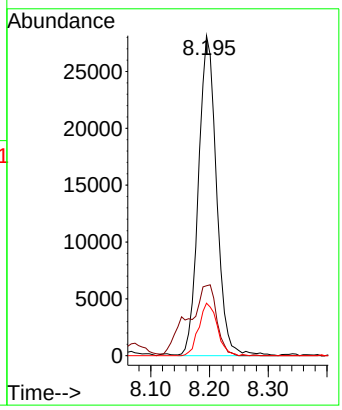
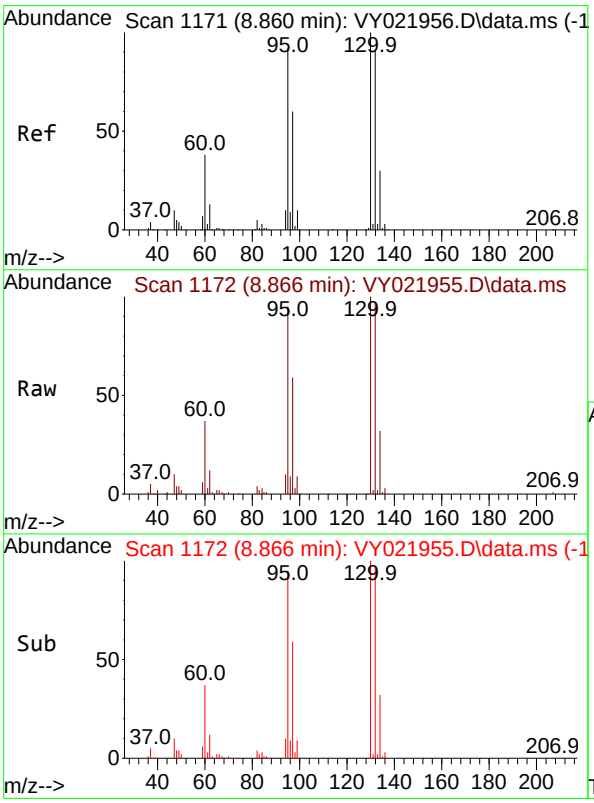
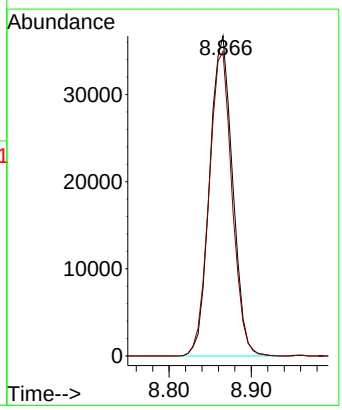


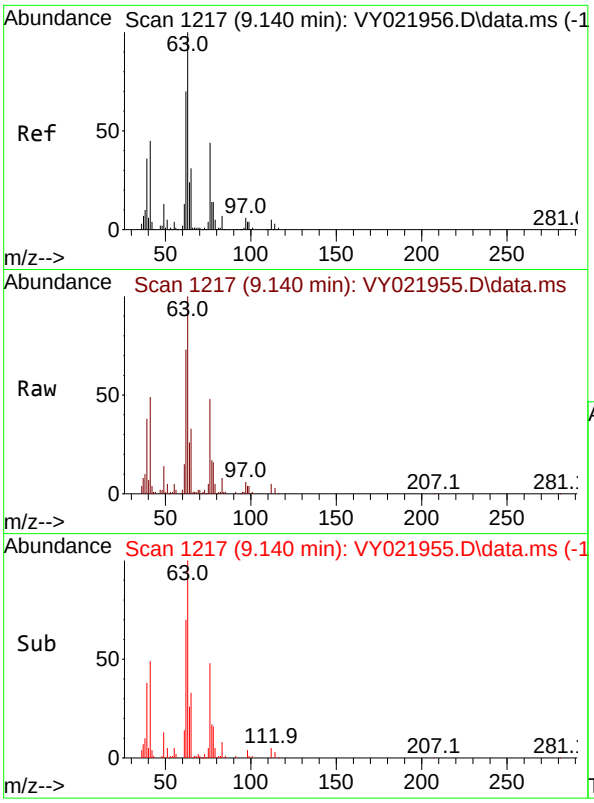


#44
Trichloroethene
Concen: 19.226 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:130 Resp: 70896

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	183.2

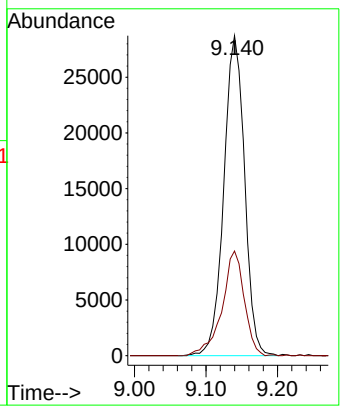




#45
1,2-Dichloropropane
Concen: 19.678 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 63 Resp: 5793

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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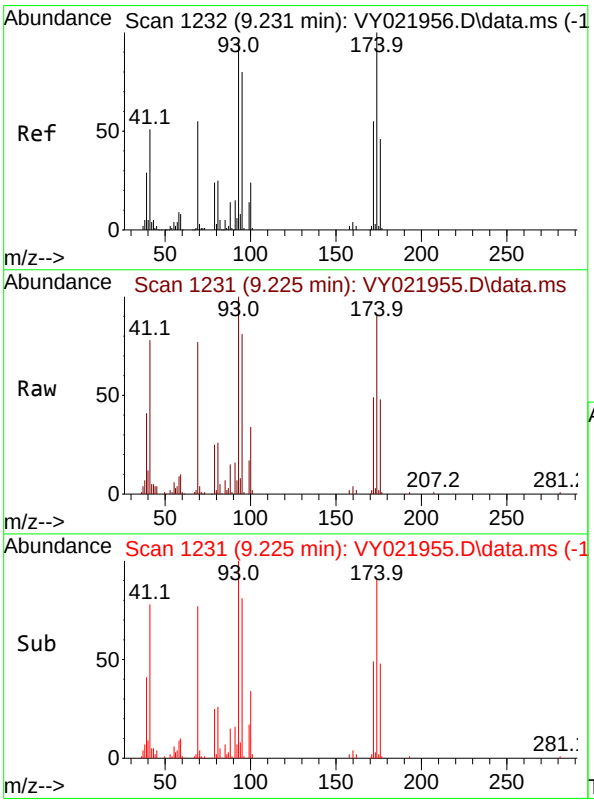
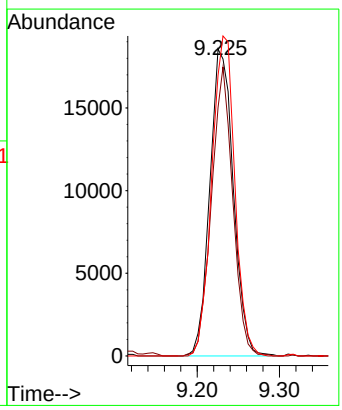
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

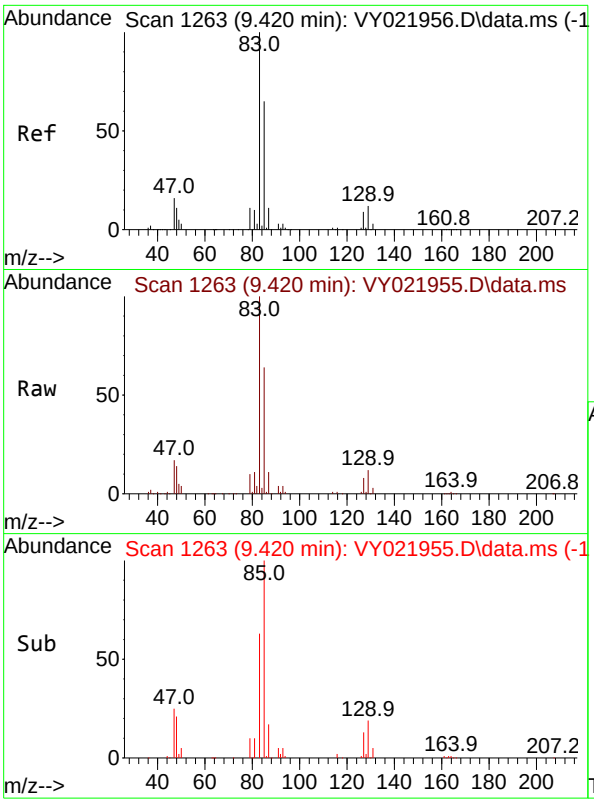


#46
Dibromomethane
Concen: 20.018 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 93 Resp: 36893

Ion	Ratio	Lower	Upper
93	100		
95	85.2	66.7	100.1
174	102.1	84.6	127.0

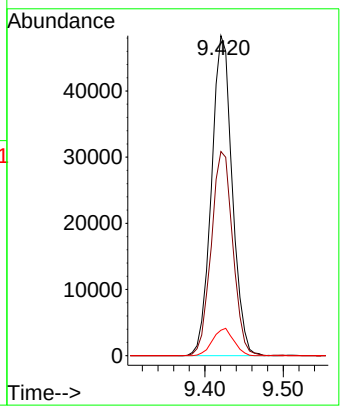




#47
Bromodichloromethane
Concen: 19.341 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 83 Resp: 8904

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8
127	8.0	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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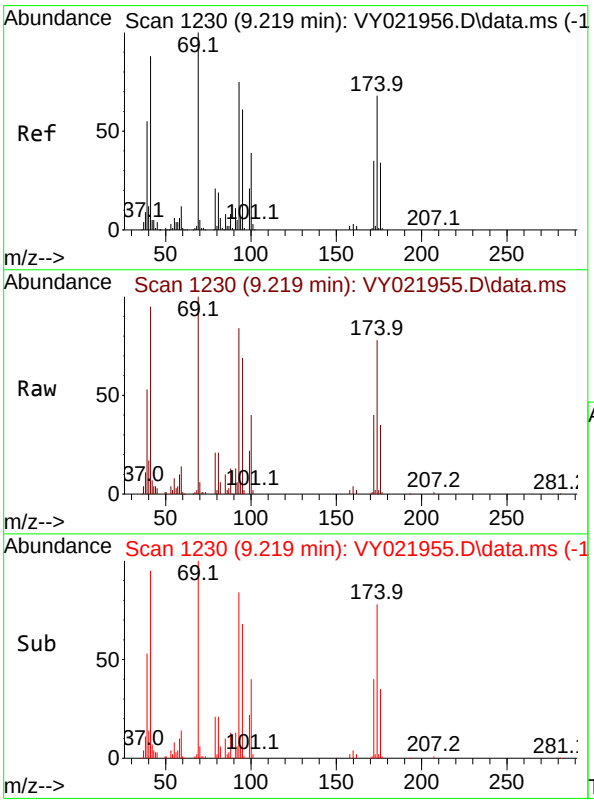
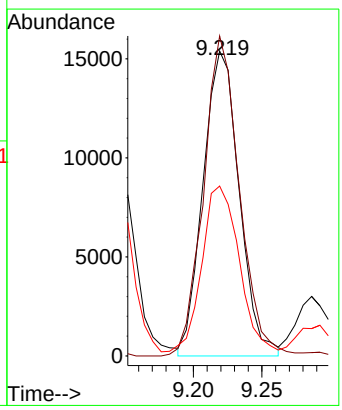
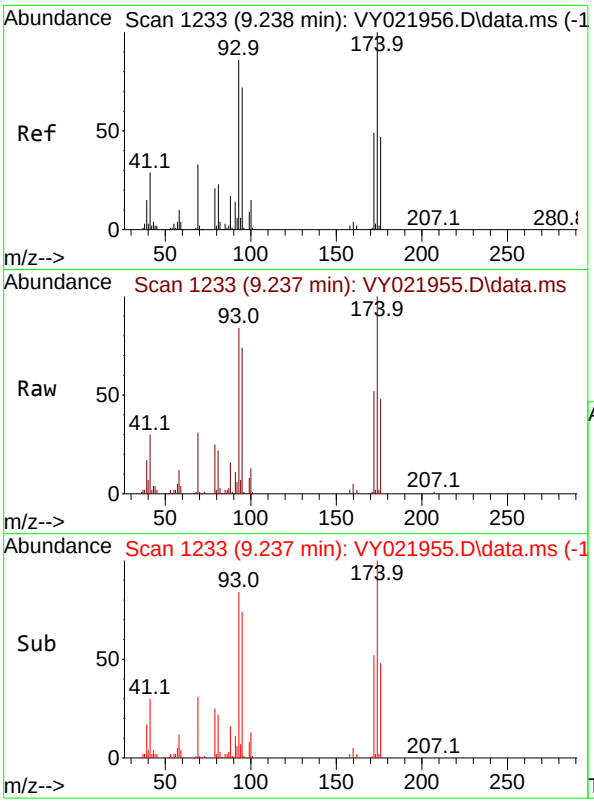


#48
Methyl methacrylate
Concen: 20.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 41 Resp: 28211

Ion	Ratio	Lower	Upper
41	100		
69	104.1	85.5	128.3
39	55.5	46.2	69.4

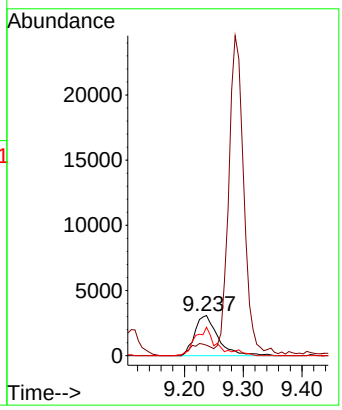




#49
1,4-Dioxane
Concen: 432.566 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 88 Resp: 849

Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.3	31.9
58	59.2	50.5	75.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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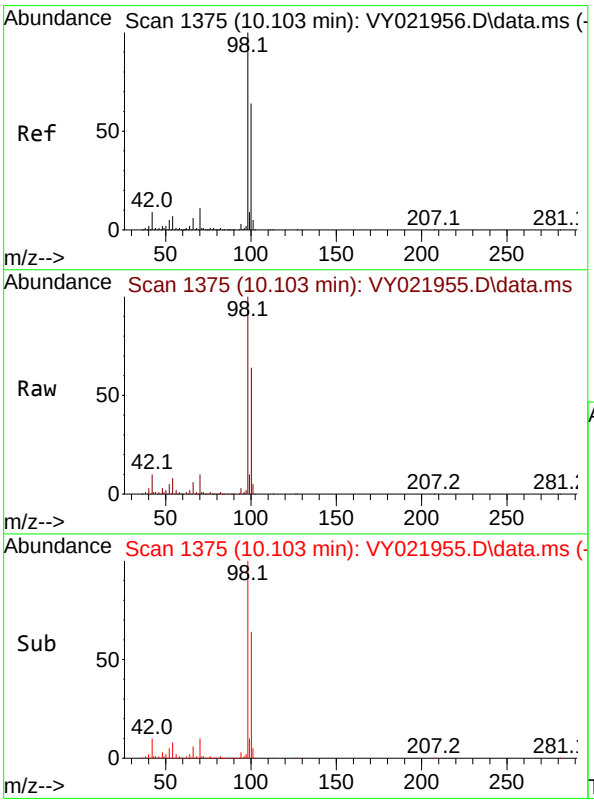
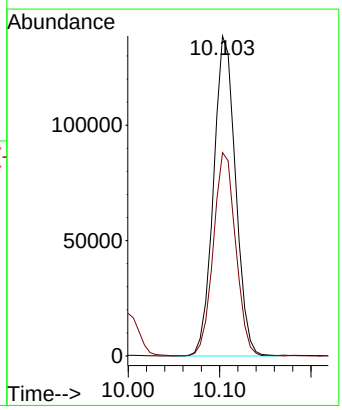
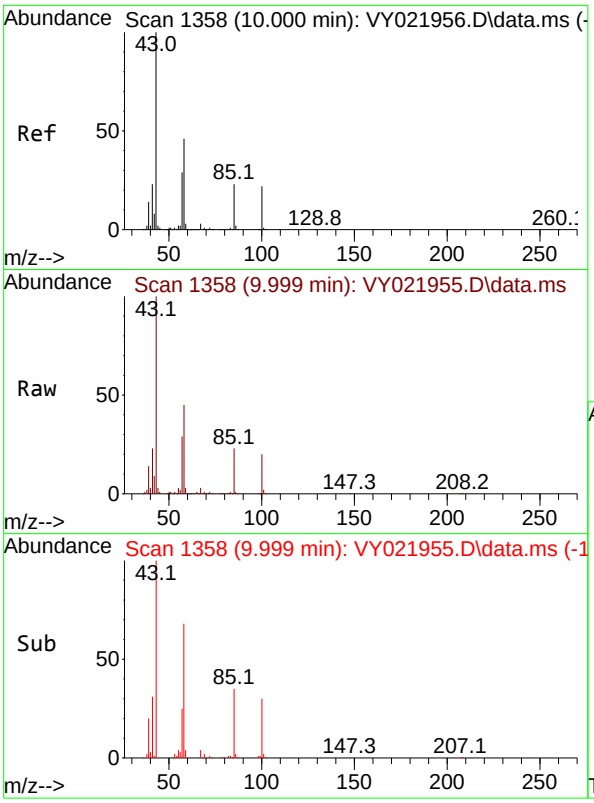


#50
Toluene-d8
Concen: 19.446 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 98 Resp: 232431

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 103.844 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 15990

Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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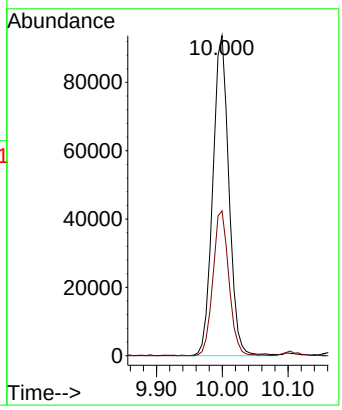
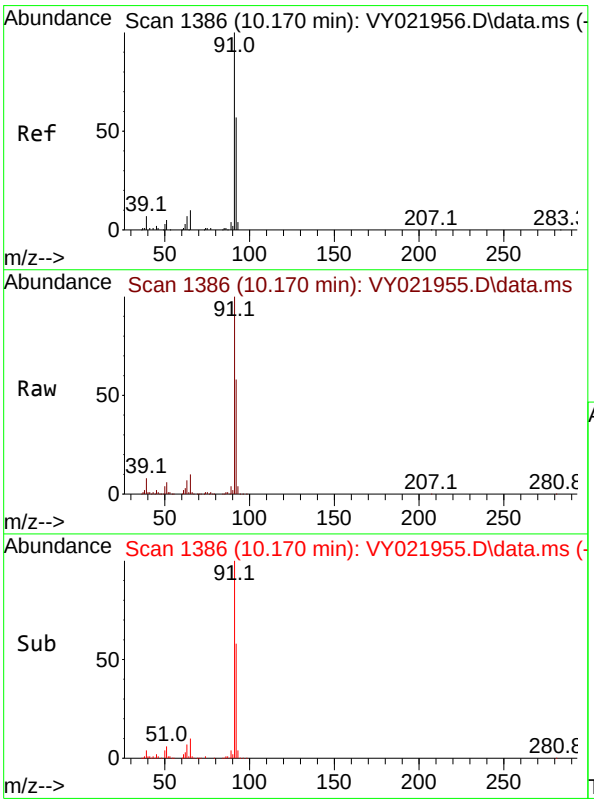
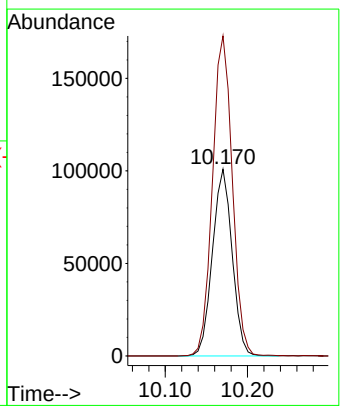


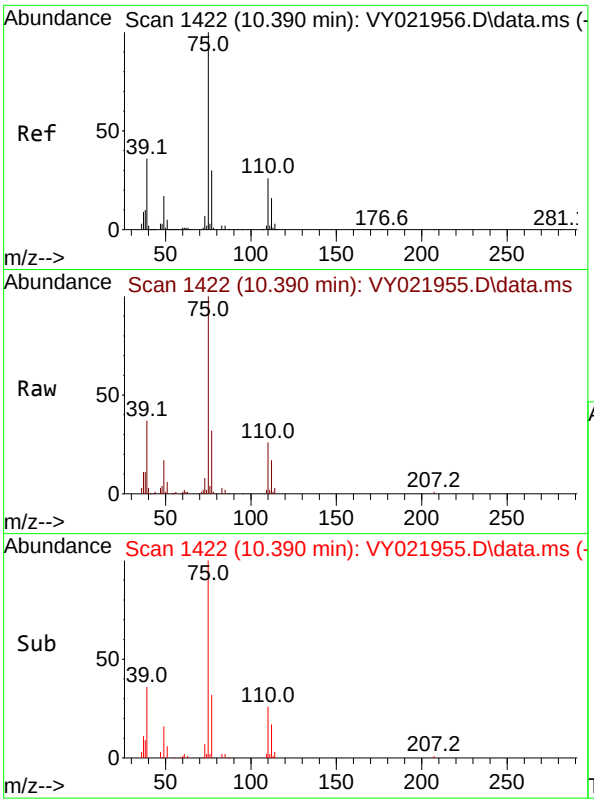


#52
Toluene
Concen: 19.499 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 92 Resp: 168035

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 19.404 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 7662

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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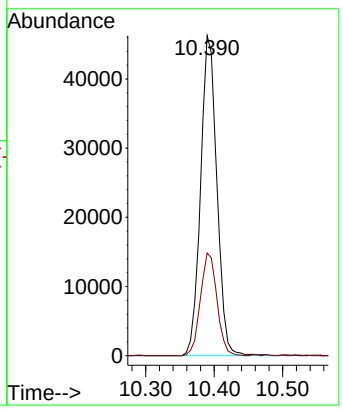
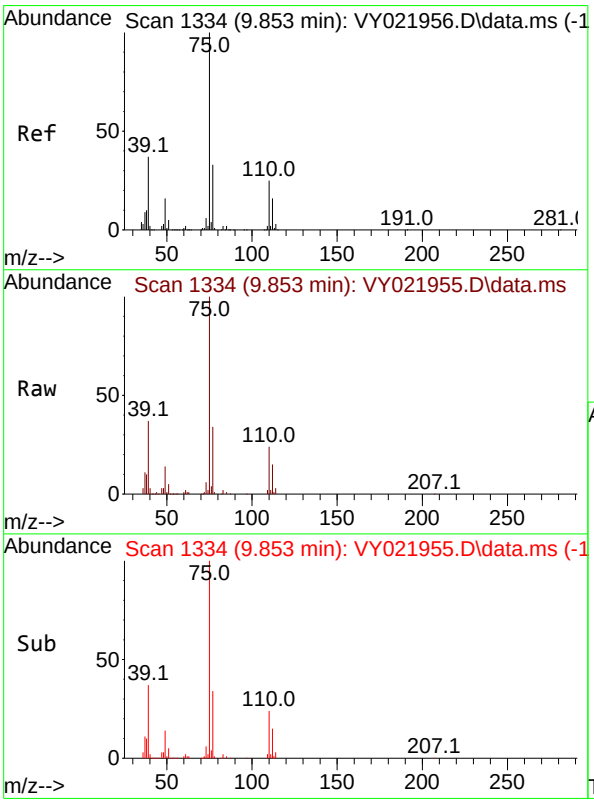
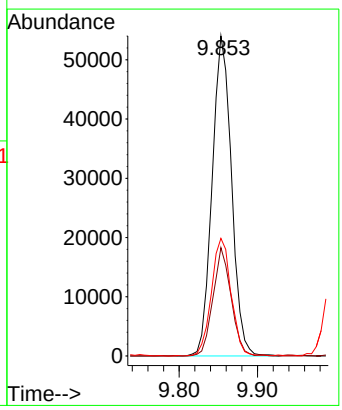


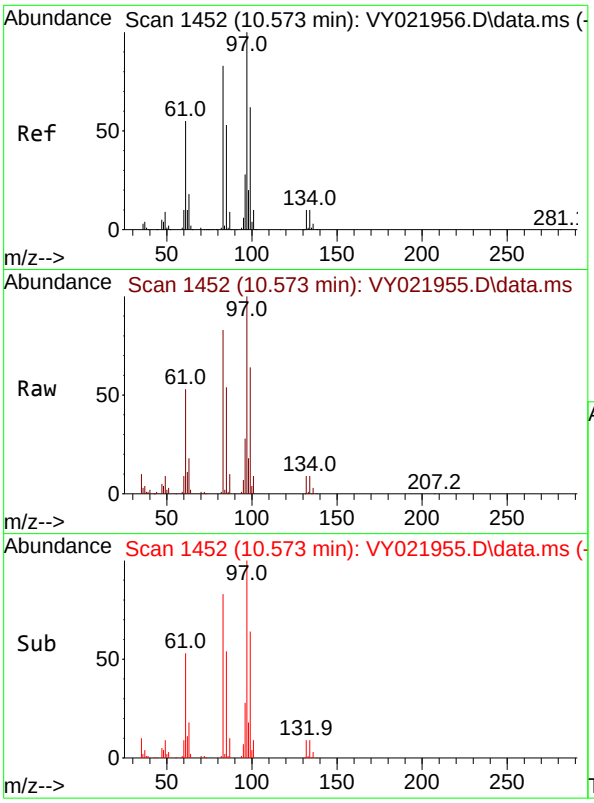


#54
cis-1,3-Dichloropropene
Concen: 19.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 92726

Ion	Ratio	Lower	Upper
75	100		
77	33.8	26.6	40.0
39	36.6	29.6	44.4

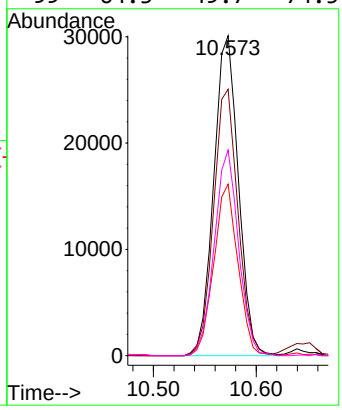




#55
1,1,2-Trichloroethane
Concen: 20.353 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 97 Resp: 5010

Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.7	100.1
85	53.6	42.6	64.0
99	64.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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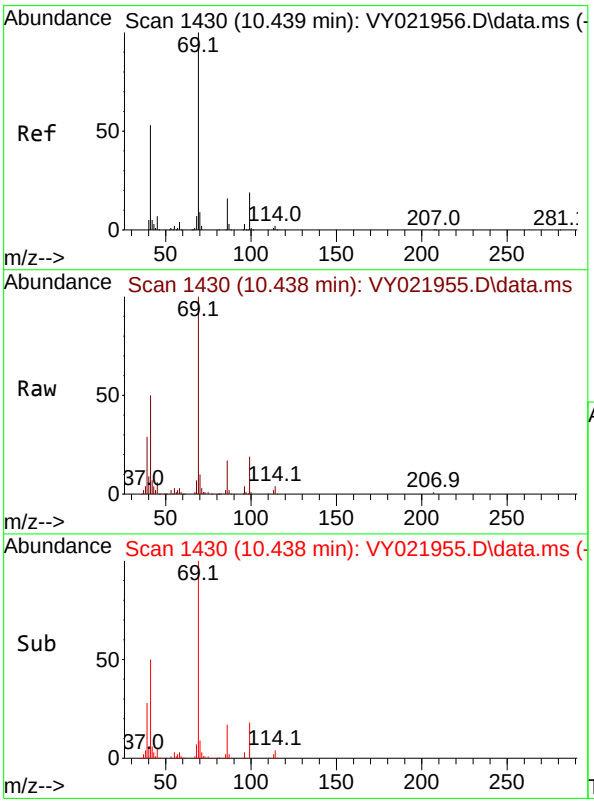
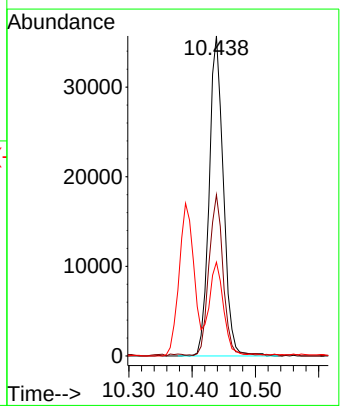
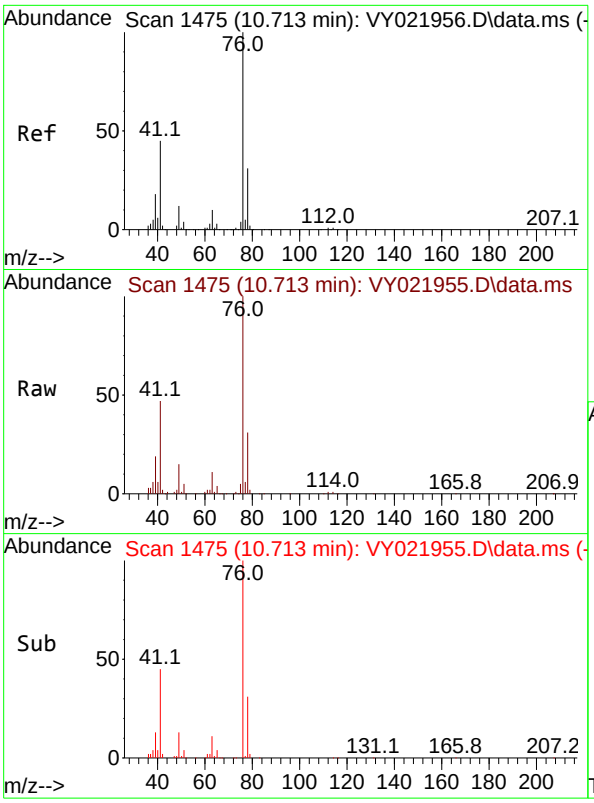


#56
Ethyl methacrylate
Concen: 19.786 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 69 Resp: 55703

Ion	Ratio	Lower	Upper
69	100		
41	49.8	40.7	61.1
39	29.3	23.3	34.9

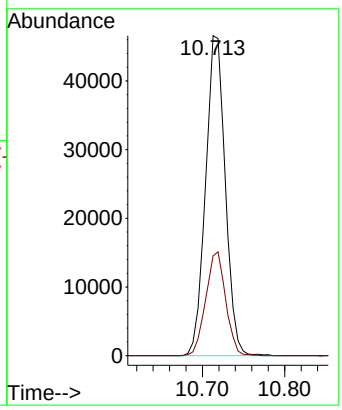




#57
1,3-Dichloropropane
Concen: 19.676 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 76 Resp: 7765

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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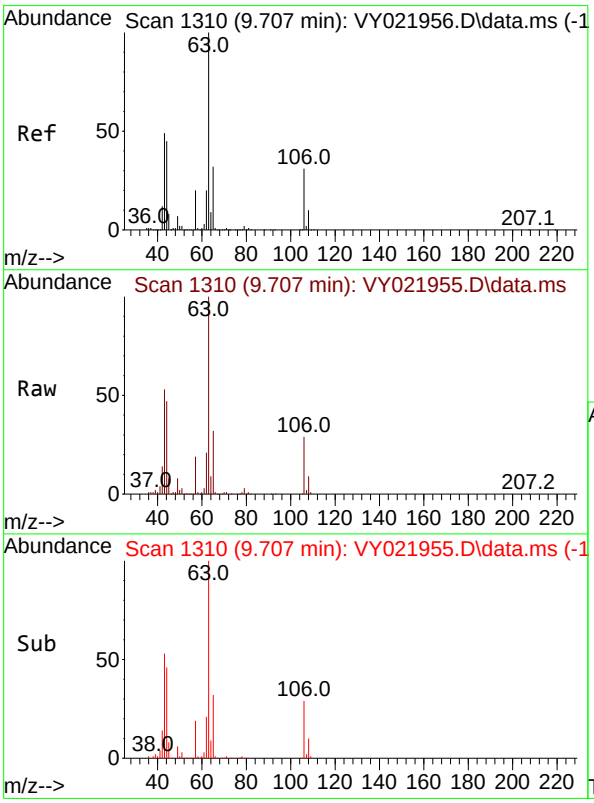
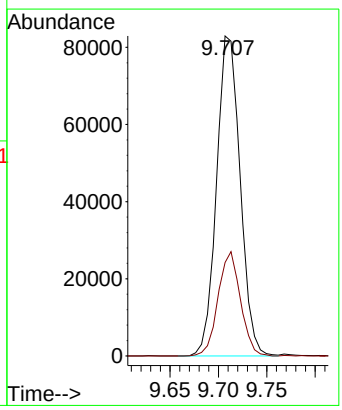
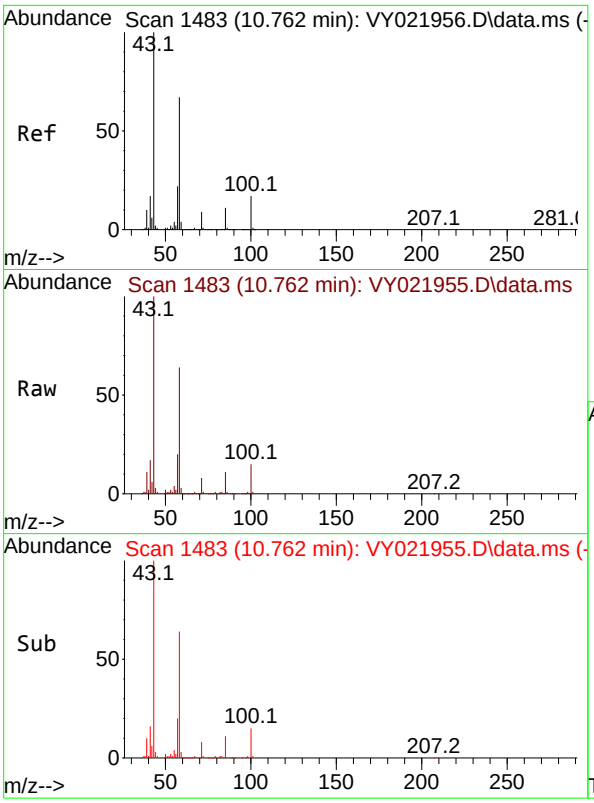


#58
2-Chloroethyl Vinyl ether
Concen: 102.027 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 63 Resp: 140435

Ion	Ratio	Lower	Upper
63	100		
106	30.9	25.3	37.9





#59
2-Hexanone
Concen: 102.714 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 10432

Ion	Ratio	Lower	Upper
43	100		
58	62.1	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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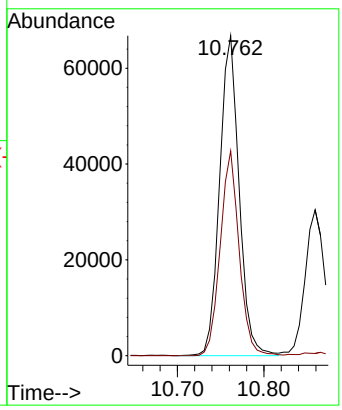
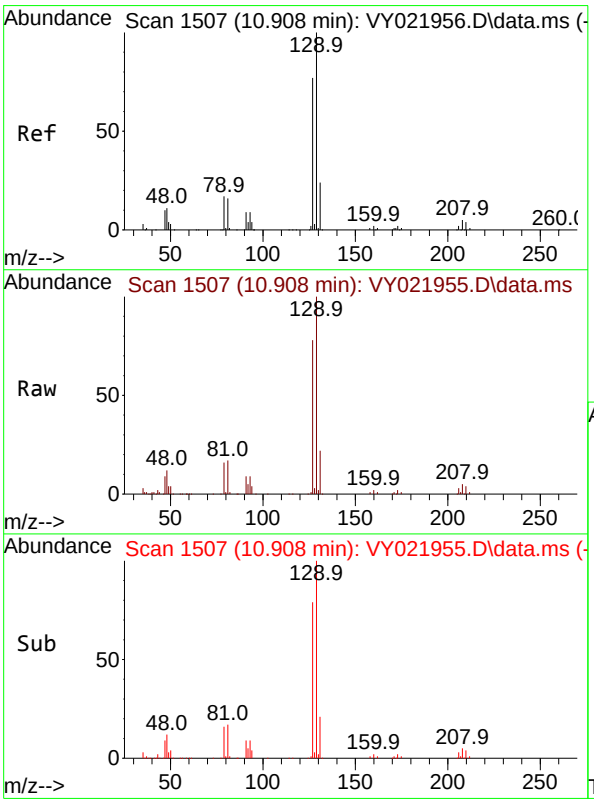
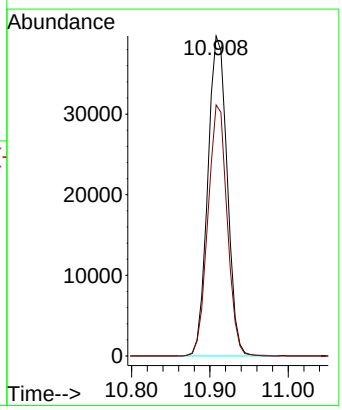


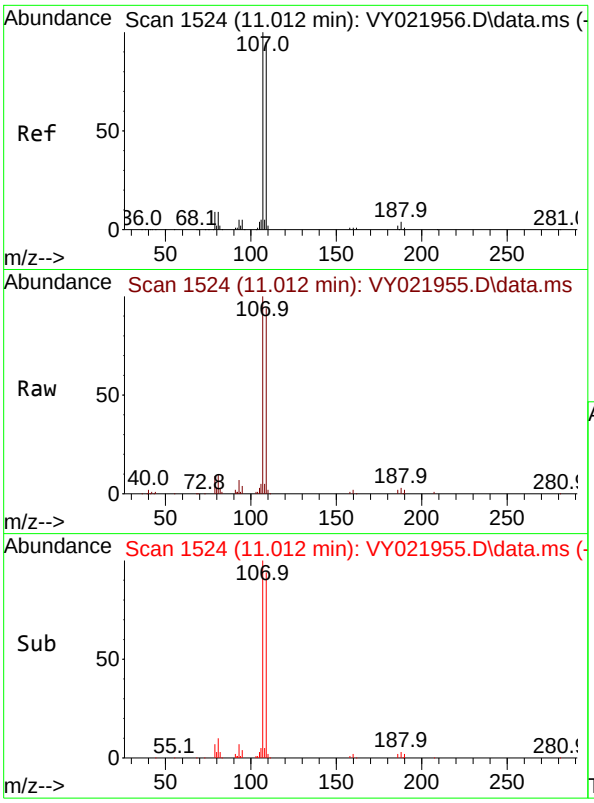


#60
Dibromochloromethane
Concen: 19.948 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:129 Resp: 67988

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.3

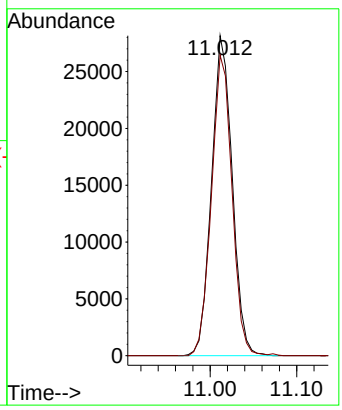




#61
1,2-Dibromoethane
Concen: 20.093 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:107 Resp: 4669

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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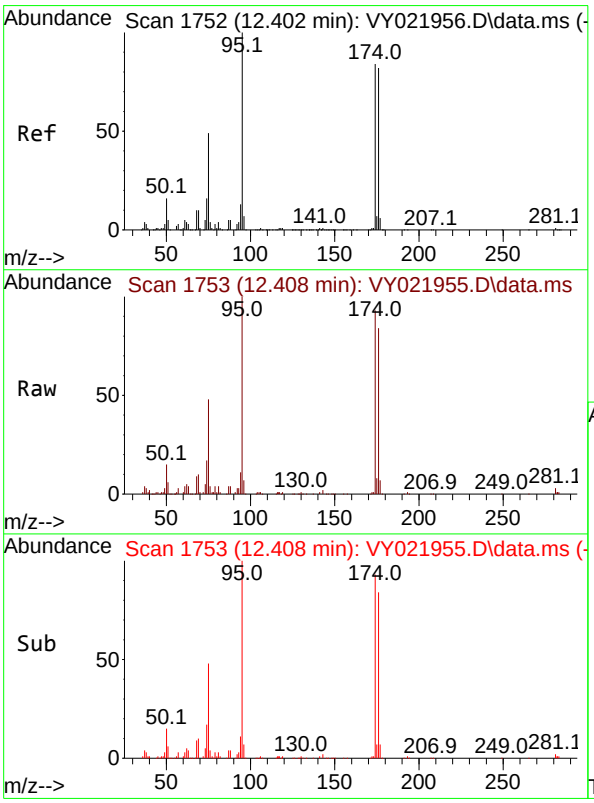
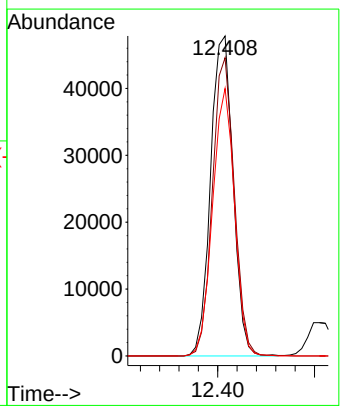
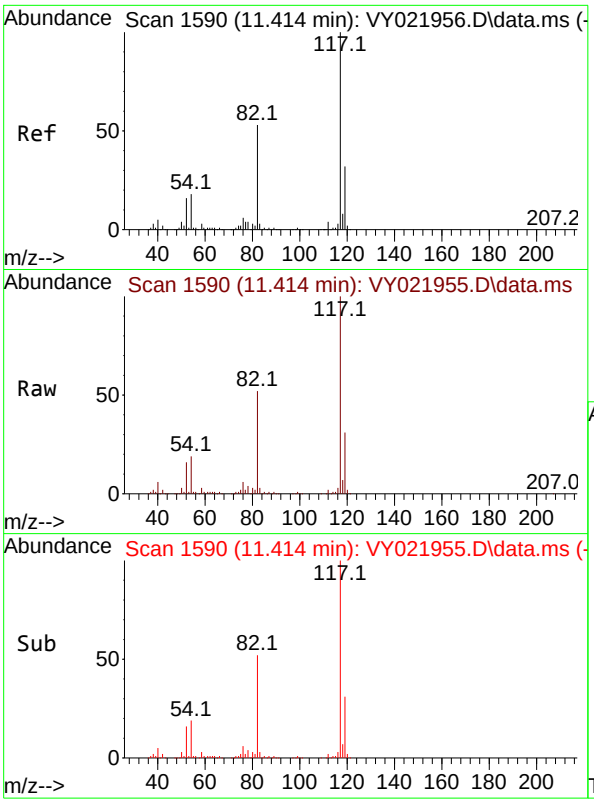


#62
4-Bromofluorobenzene
Concen: 19.144 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 95 Resp: 77034

Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	179.0
176	81.8	0.0	171.8

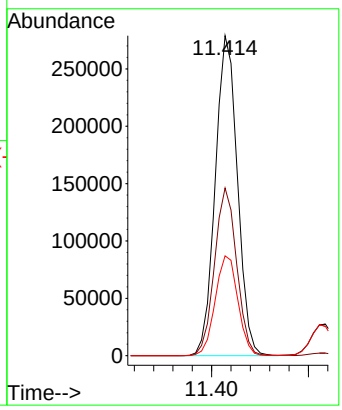




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:117 Resp: 44301

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.1	63.1
119	31.2	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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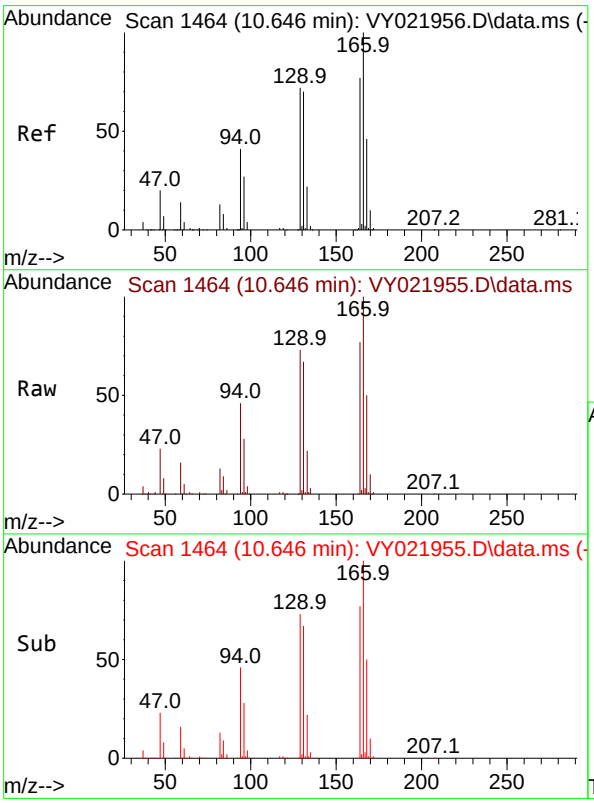
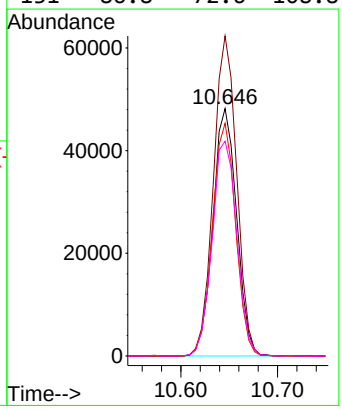
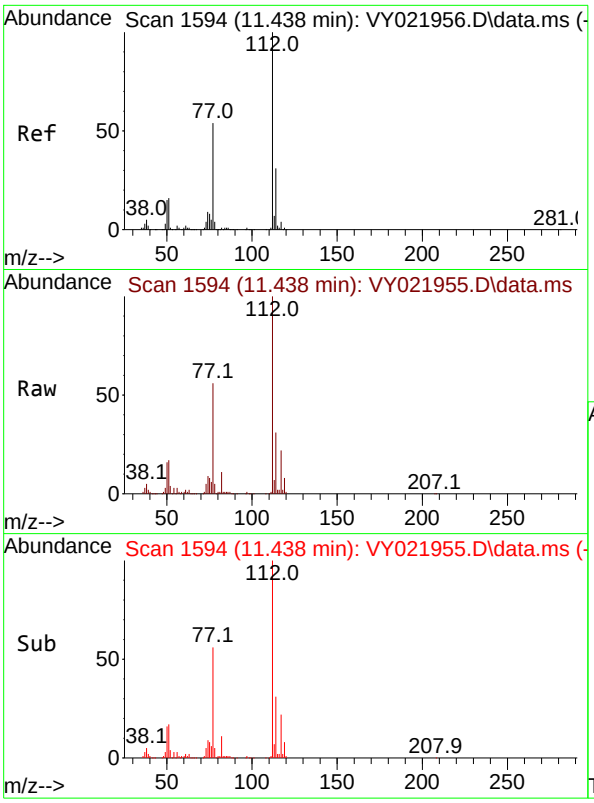


#64
Tetrachloroethene
Concen: 19.600 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:164 Resp: 81915

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.6	155.4
129	94.0	74.2	111.4
131	86.8	72.6	108.8

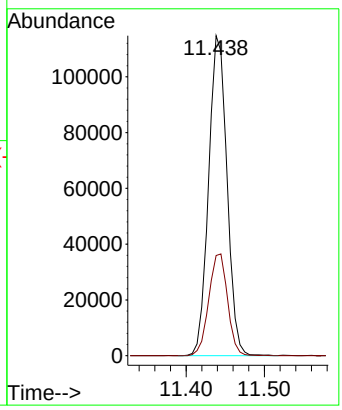




#65
Chlorobenzene
Concen: 18.866 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:112 Resp: 18690

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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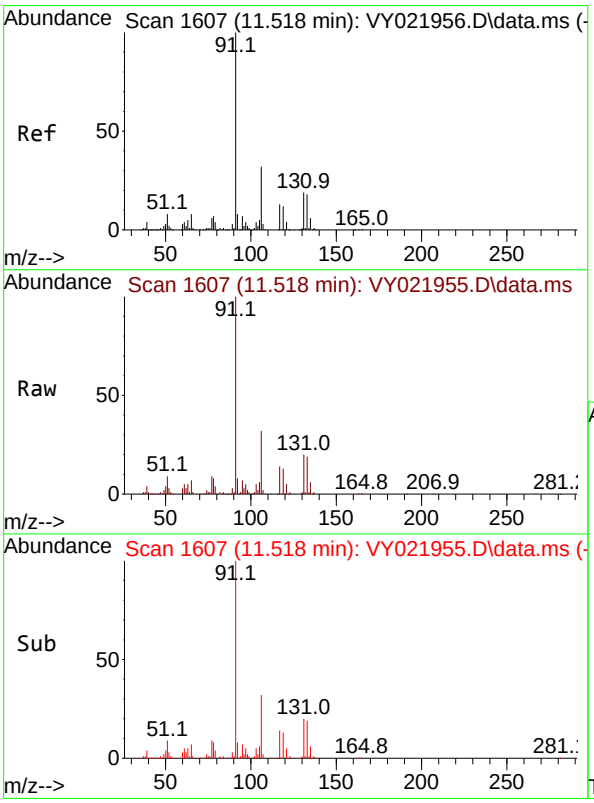
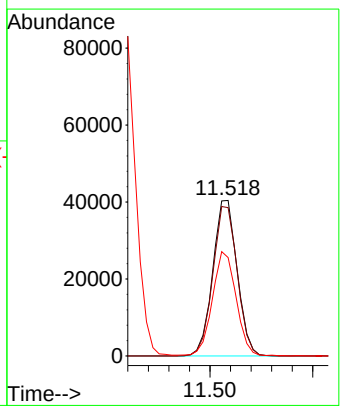
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

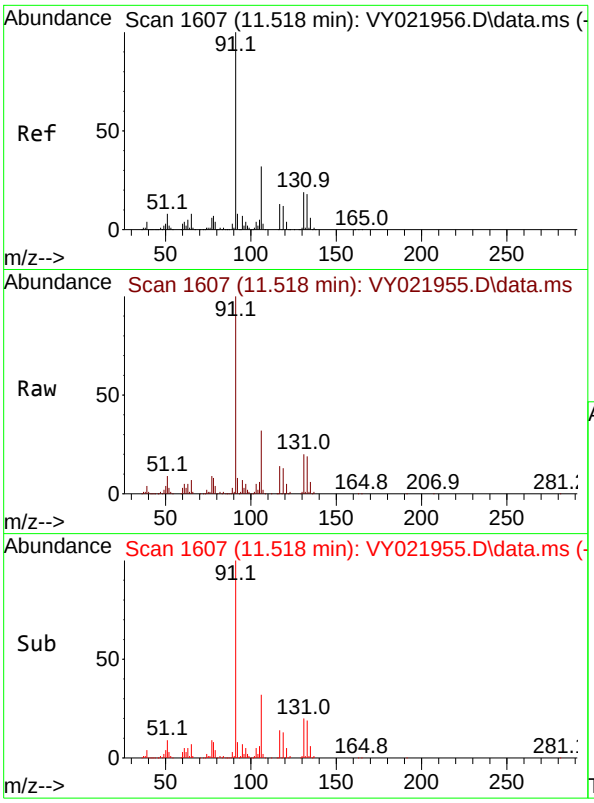


#66
1,1,1,2-Tetrachloroethane
Concen: 19.091 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:131 Resp: 66586

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.8	143.3
119	65.6	32.4	97.0

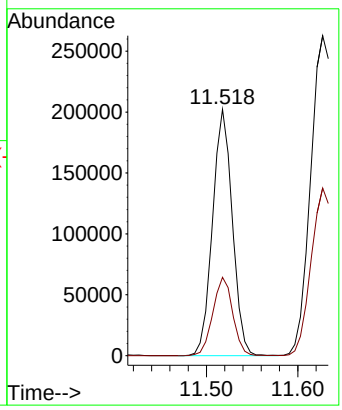




#67
Ethyl Benzene
Concen: 18.789 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 30450

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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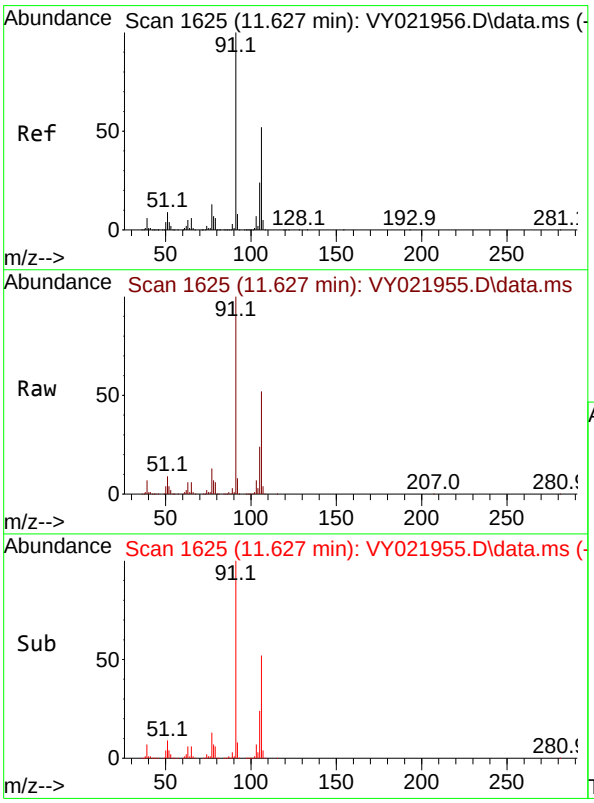
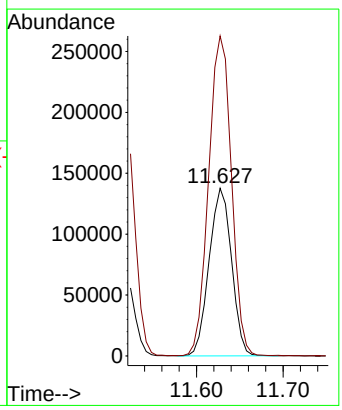
Supervised By :Mahesh Dadoda 04/23/2025

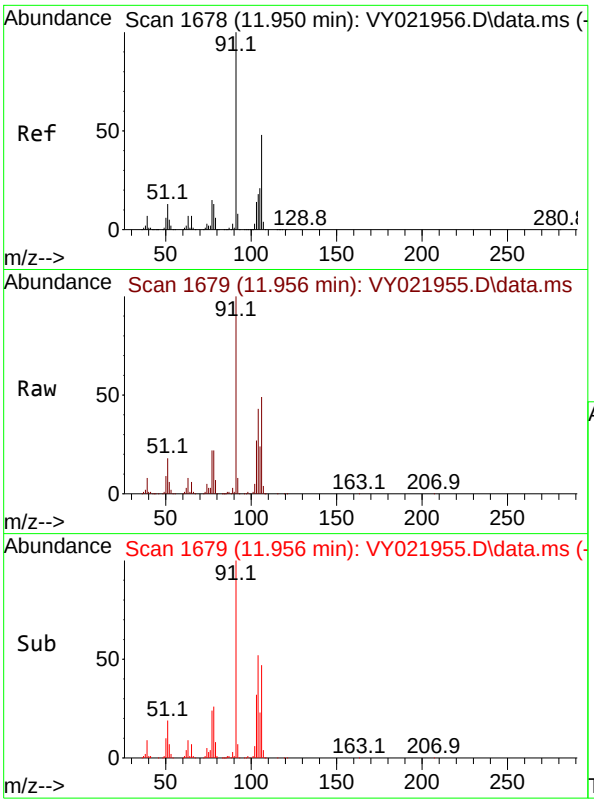


#68
m/p-Xylenes
Concen: 38.407 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:106 Resp: 247677

Ion	Ratio	Lower	Upper
106	100		
91	194.2	156.2	234.2

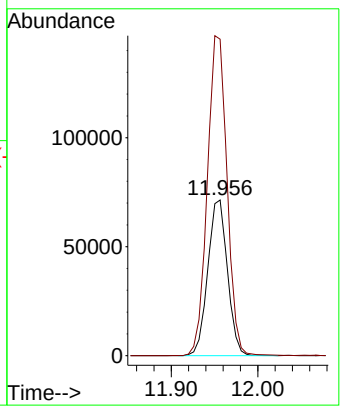




#69
o-Xylene
Concen: 18.945 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:106 Resp: 11260

Ion	Ratio	Lower	Upper
106	100		
91	206.1	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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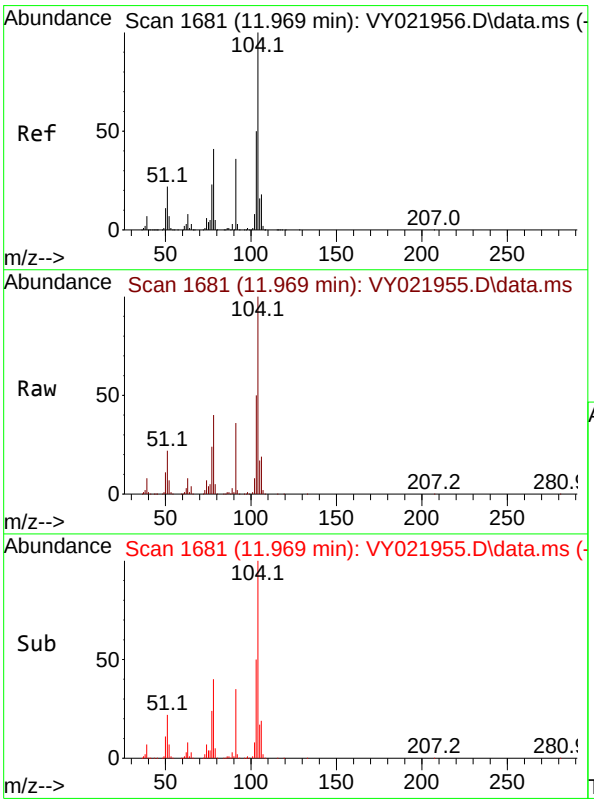
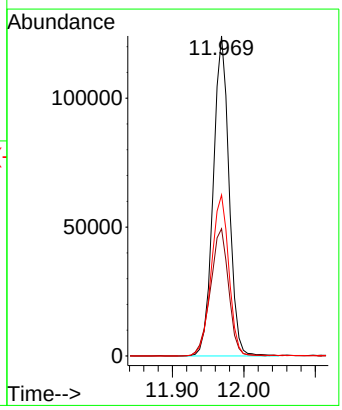
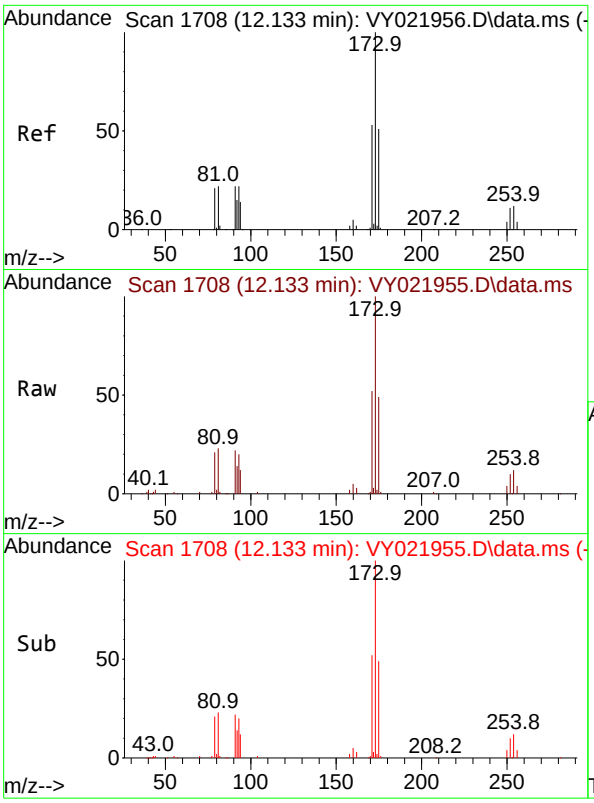


#70
Styrene
Concen: 19.149 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:104 Resp: 191106

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.6	54.8
103	55.3	43.8	65.8

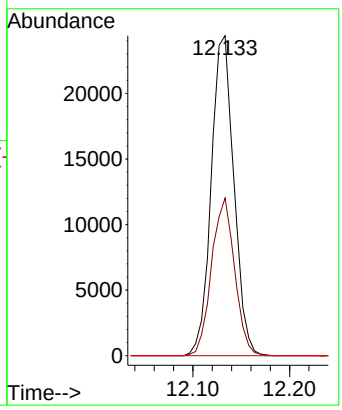




#71
Bromoform
Concen: 19.573 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:173 Resp: 3969

Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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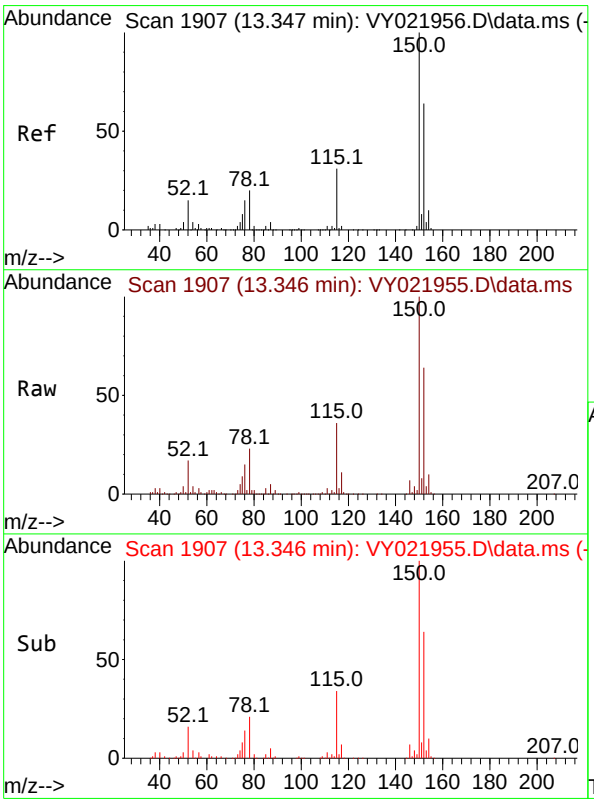
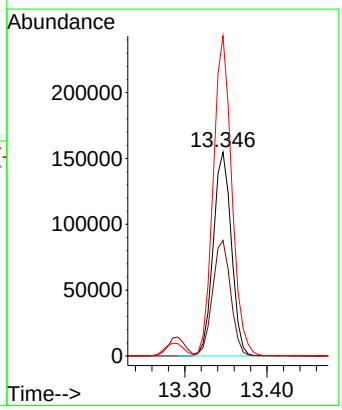
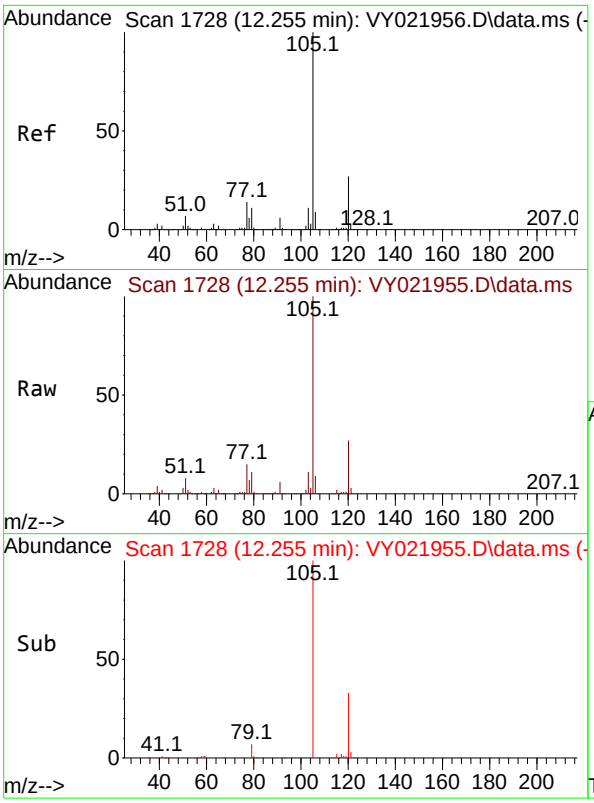


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:152 Resp: 236548

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	161.0	0.0	345.6

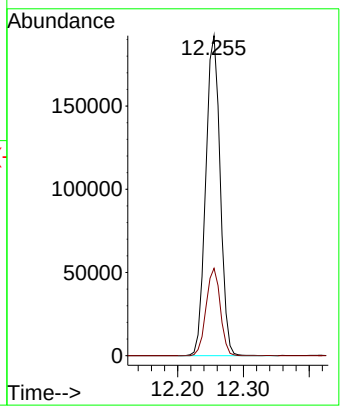




#73
Isopropylbenzene
Concen: 18.570 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:105 Resp: 29348

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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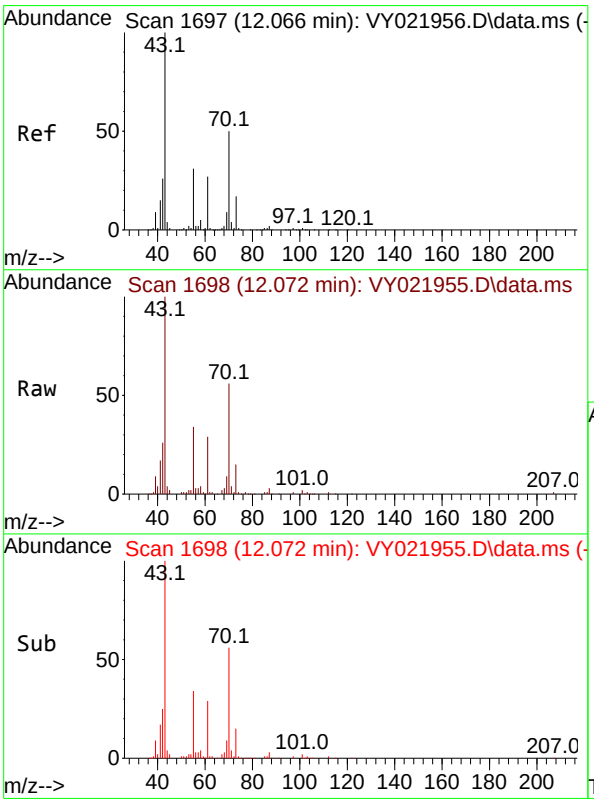
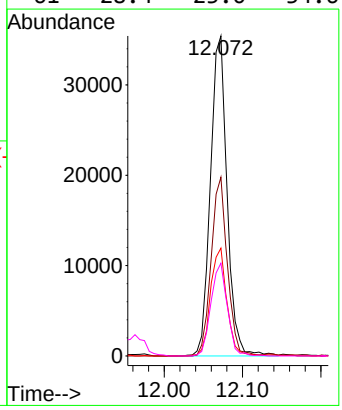
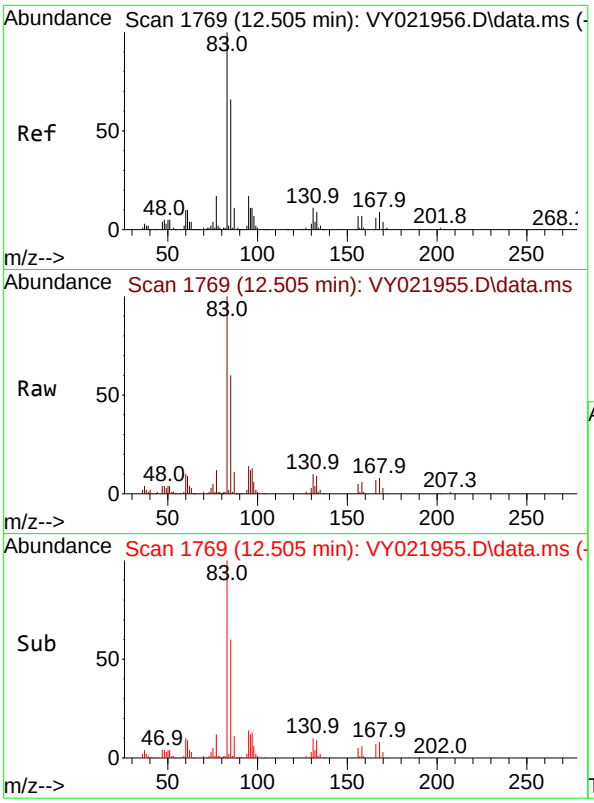


#74
N-amyl acetate
Concen: 19.271 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 52325

Ion	Ratio	Lower	Upper
43	100		
70	54.1	43.2	64.8
55	33.2	25.7	38.5
61	28.4	23.0	34.6

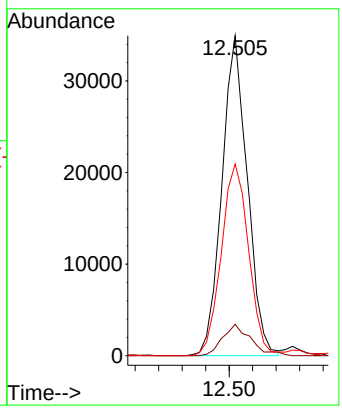




#75
1,1,2,2-Tetrachloroethane
Concen: 19.713 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 83 Resp: 5252

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.5	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
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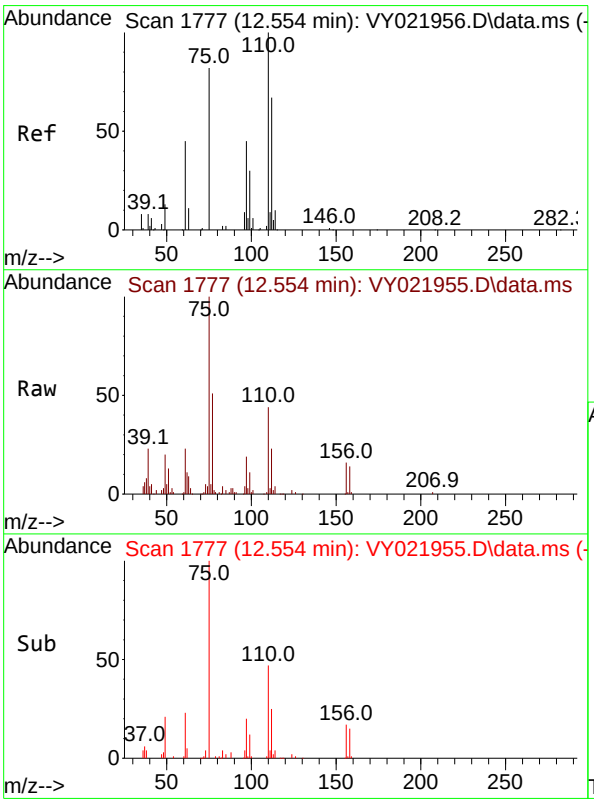
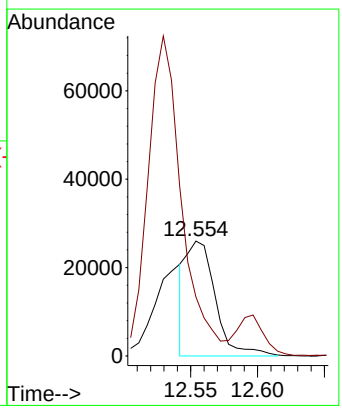
Supervised By :Mahesh Dadoda 04/23/2025

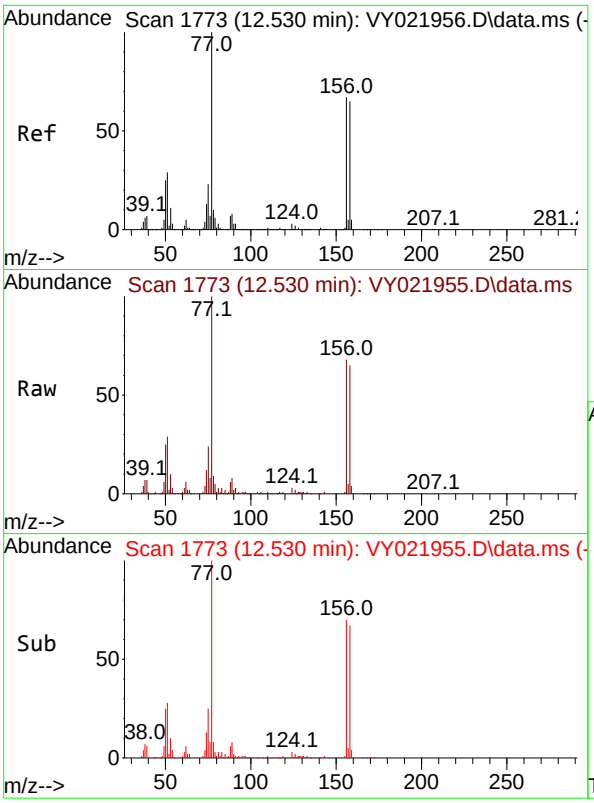


#76
1,2,3-Trichloropropane
Concen: 18.965 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 39530

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

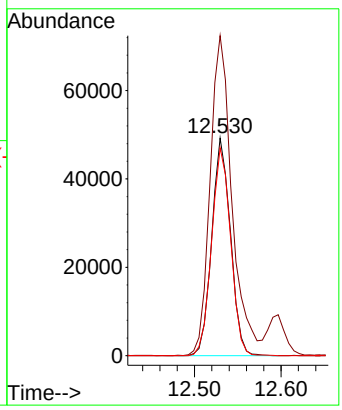




#77
Bromobenzene
Concen: 18.490 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:156 Resp: 7383

Ion	Ratio	Lower	Upper
156	100		
77	171.2	82.7	248.1
158	97.3	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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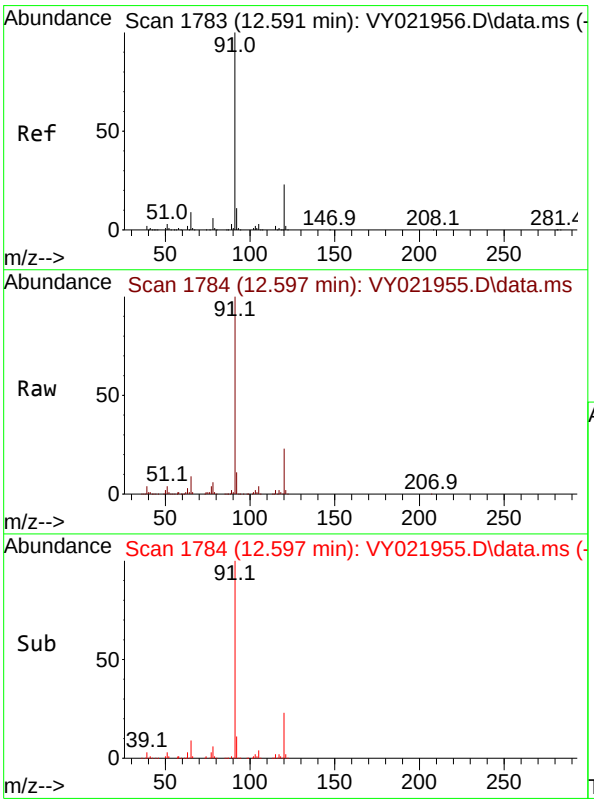
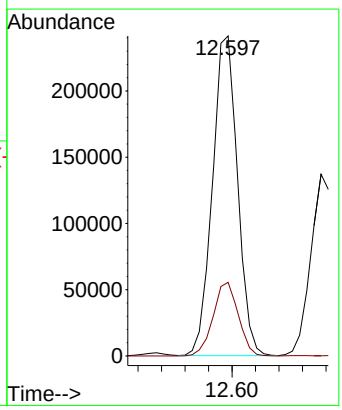
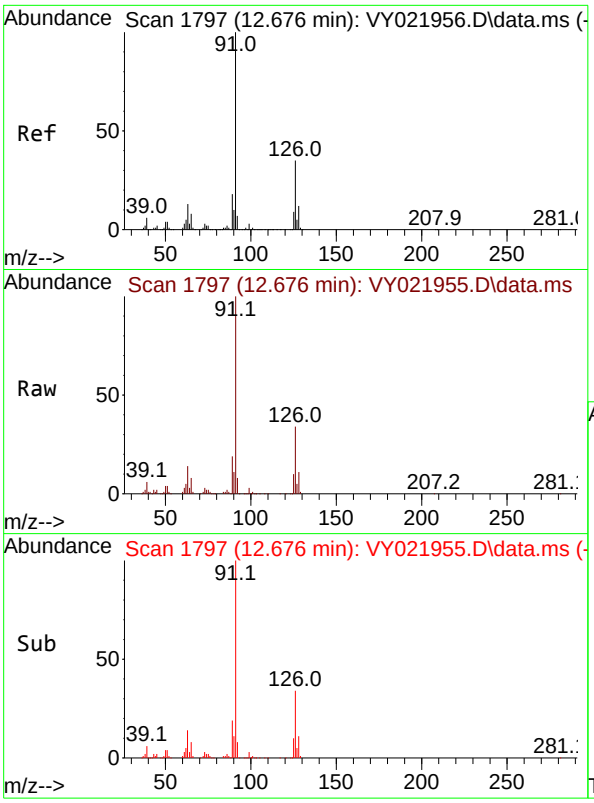


#78
n-propylbenzene
Concen: 18.992 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 357438

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.9	35.5

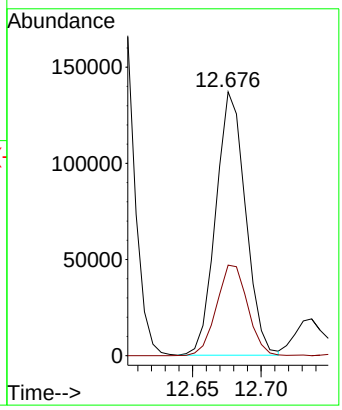




#79
2-Chlorotoluene
Concen: 18.840 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 20621

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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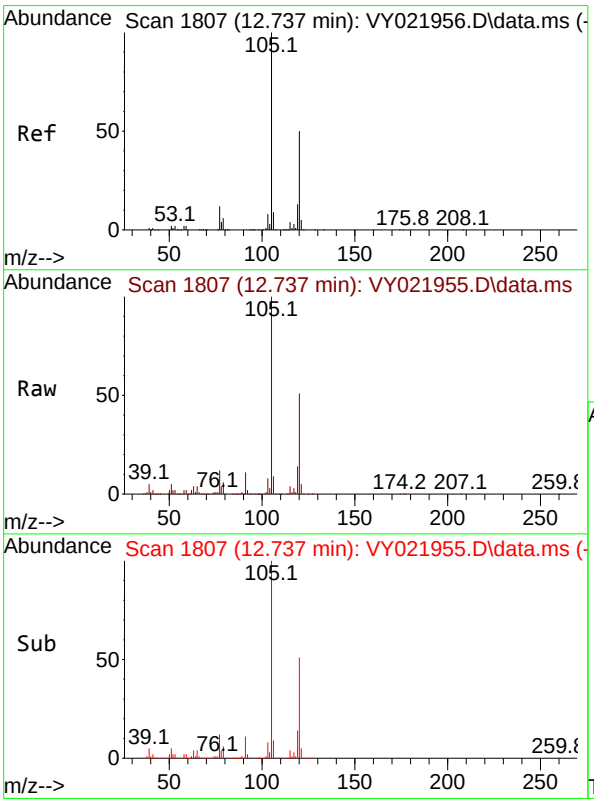
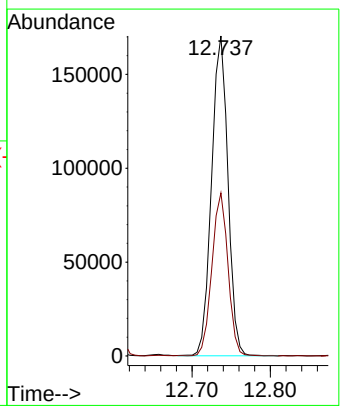
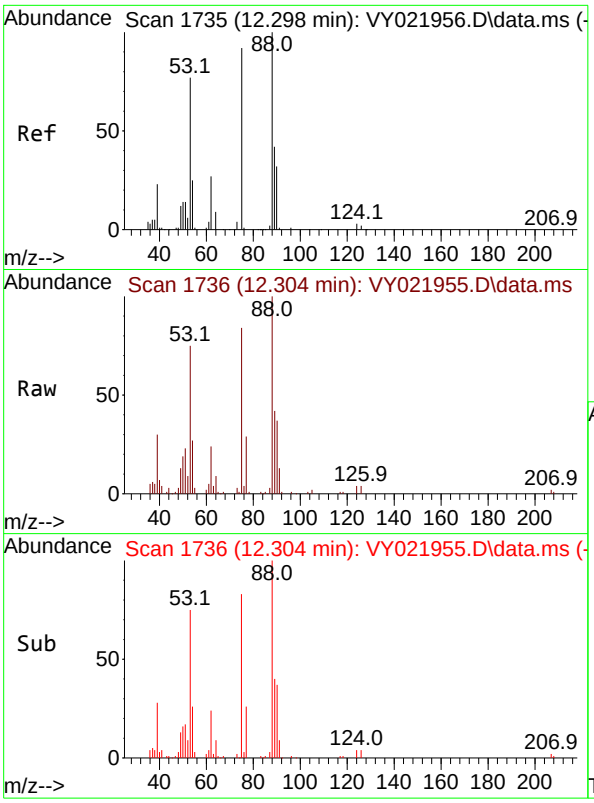


#80
1,3,5-Trimethylbenzene
Concen: 18.997 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:105 Resp: 247372

Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.163 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 1612

Ion	Ratio	Lower	Upper
75	100		
53	85.8	66.0	99.0
89	49.1	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

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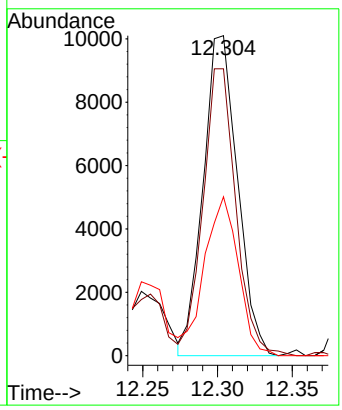
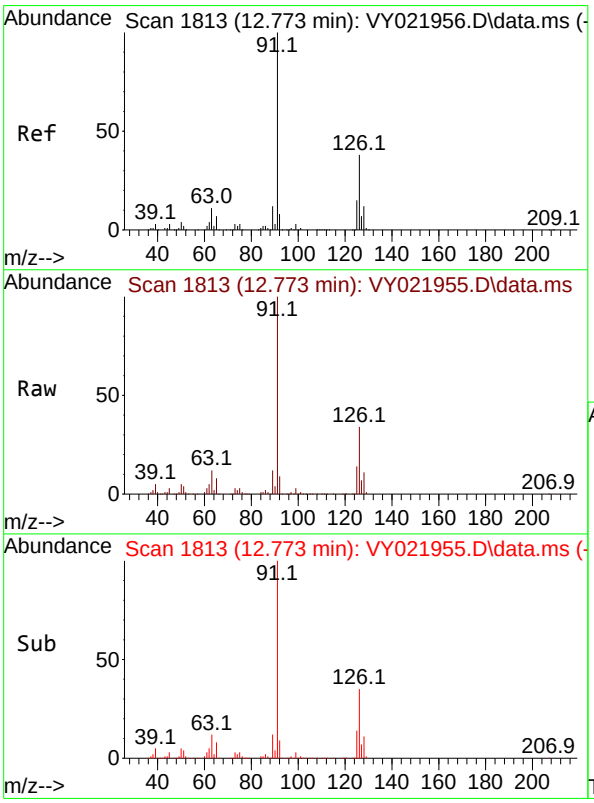
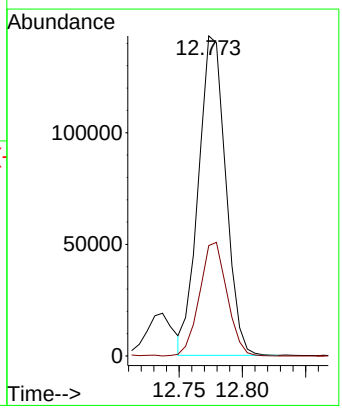


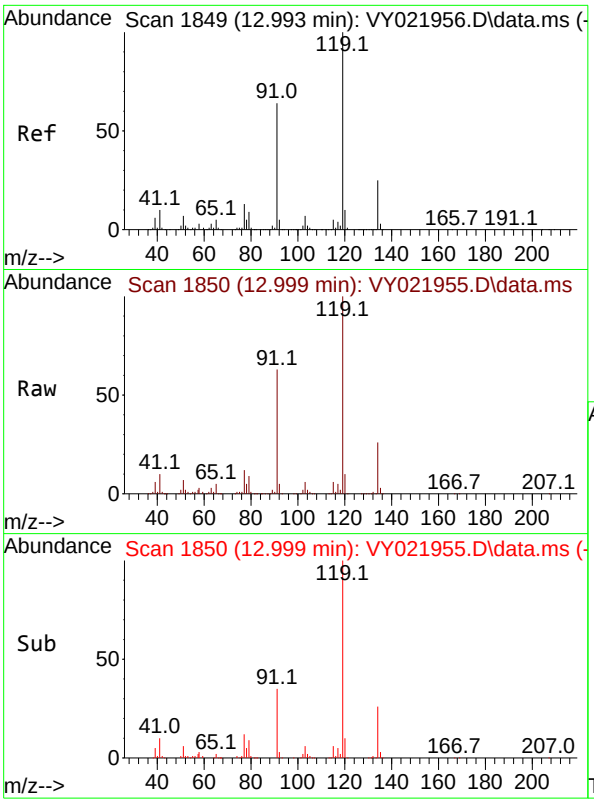


#82
4-Chlorotoluene
Concen: 18.876 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 214776

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8

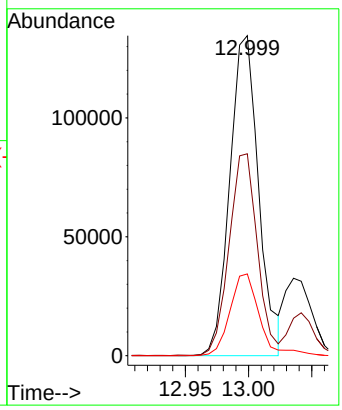




#83
tert-Butylbenzene
Concen: 18.337 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:119 Resp: 21414

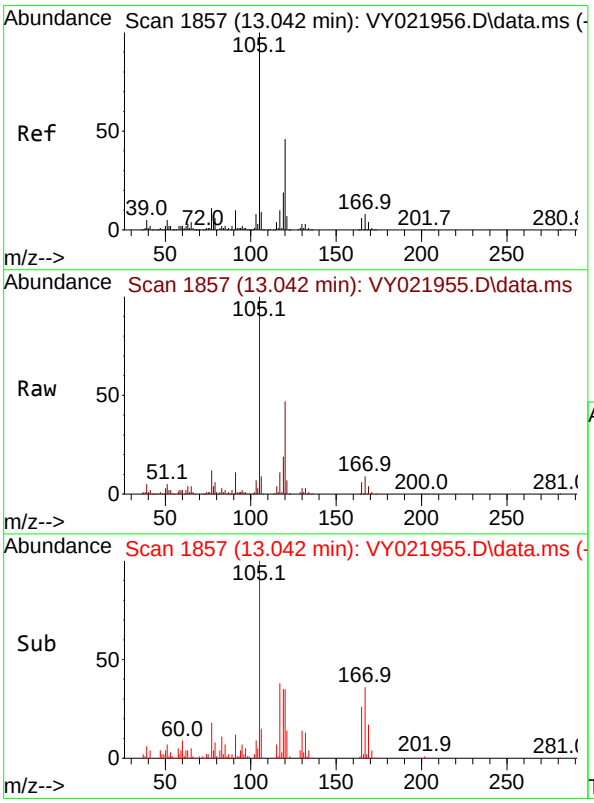
Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.3	90.9
134	26.2	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

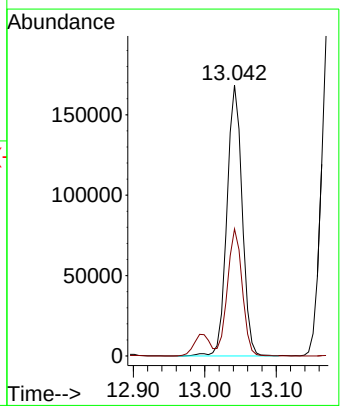
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

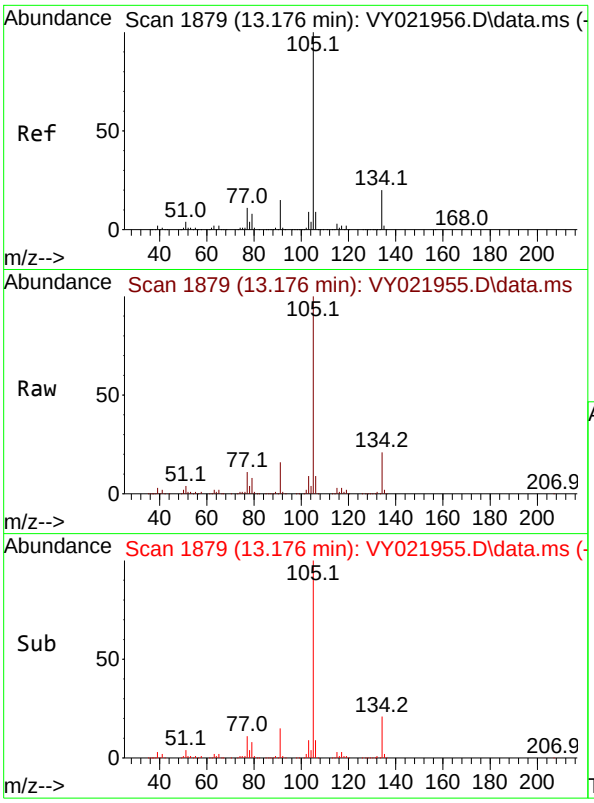


#84
1,2,4-Trimethylbenzene
Concen: 19.110 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:105 Resp: 248902

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0

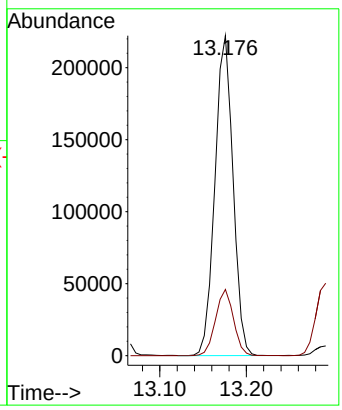




#85
sec-Butylbenzene
Concen: 18.873 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:105 Resp: 32252

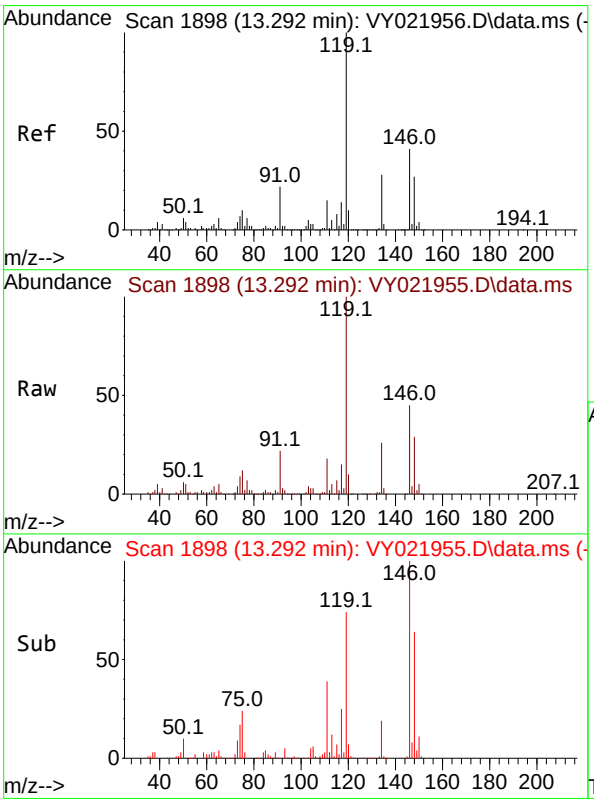
Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

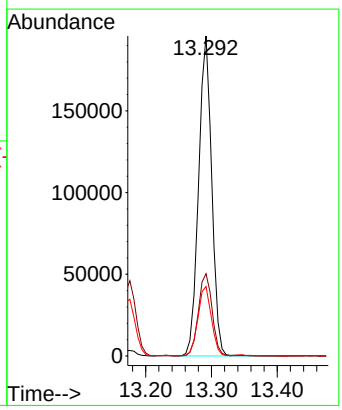
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

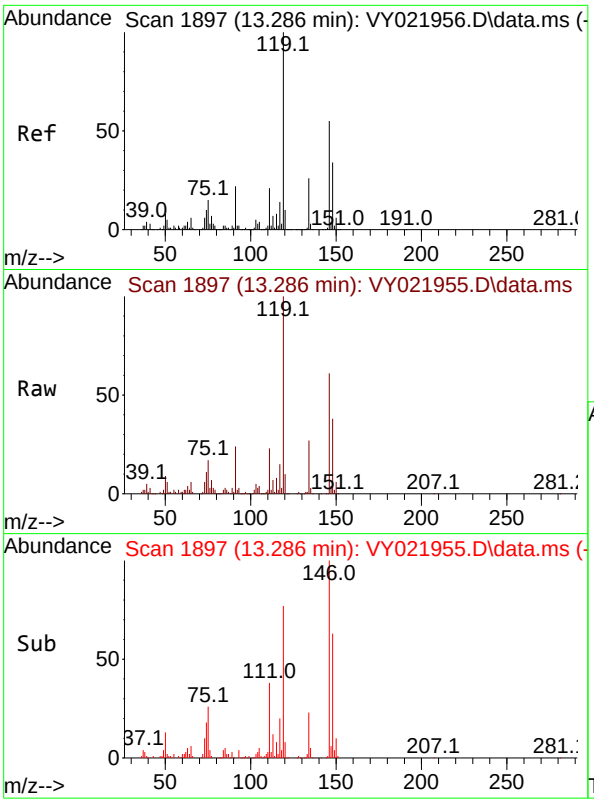


#86
p-Isopropyltoluene
Concen: 18.706 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:119 Resp: 271440

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.1	11.0	33.0

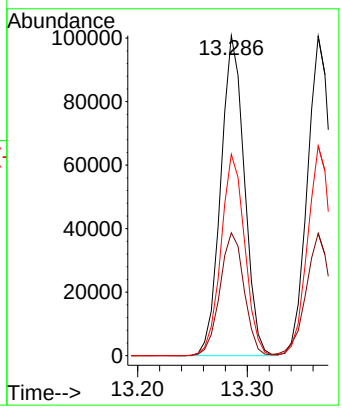




#87
1,3-Dichlorobenzene
Concen: 18.602 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:146 Resp: 15087

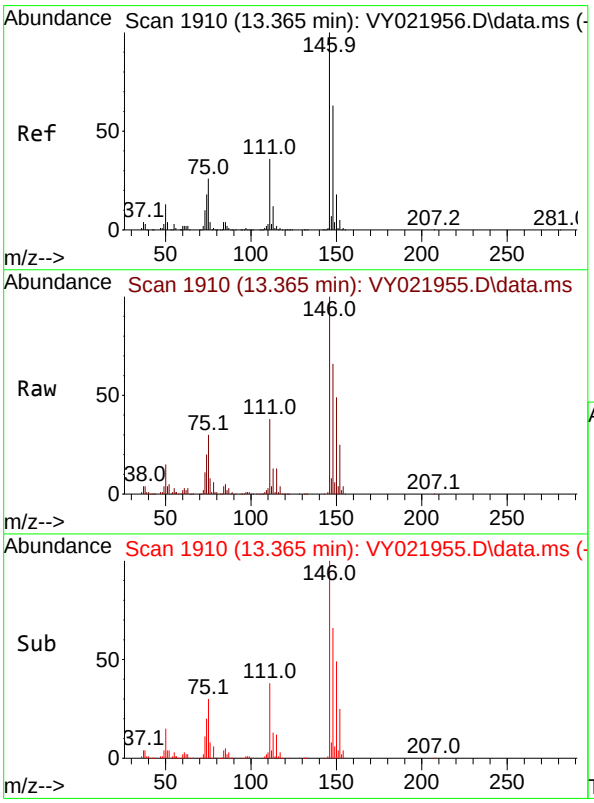
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	63.2	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

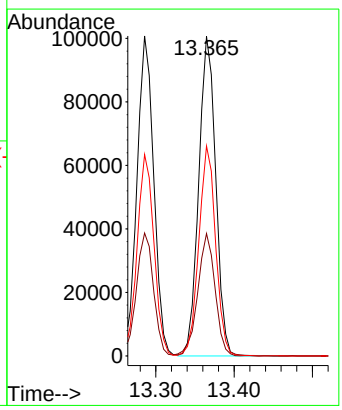
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

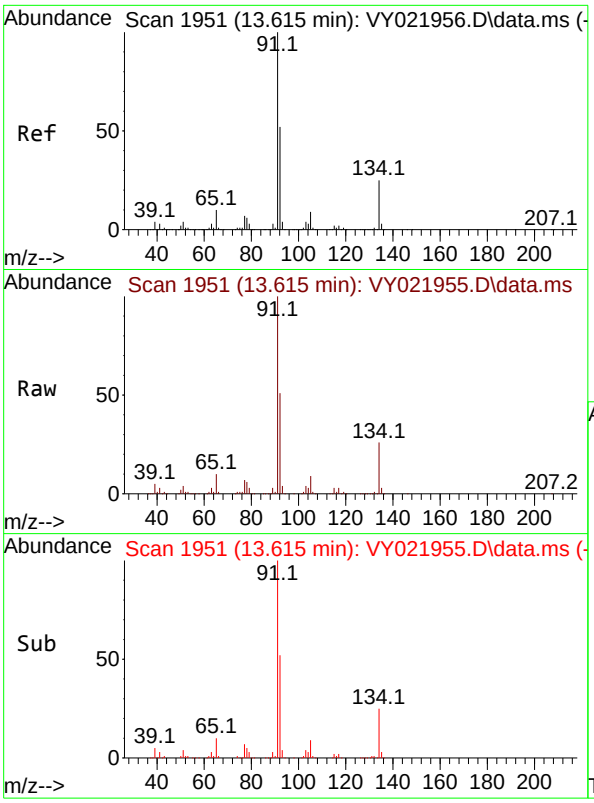


#88
1,4-Dichlorobenzene
Concen: 18.905 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:146 Resp: 151864

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.2	57.6
148	65.0	32.0	96.0

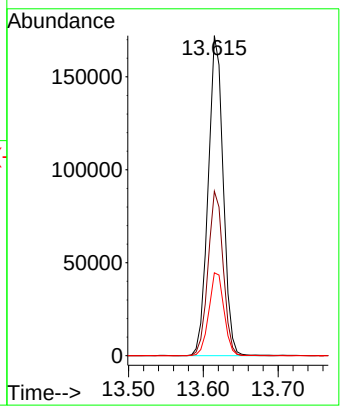




#89
n-Butylbenzene
Concen: 18.566 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 24081

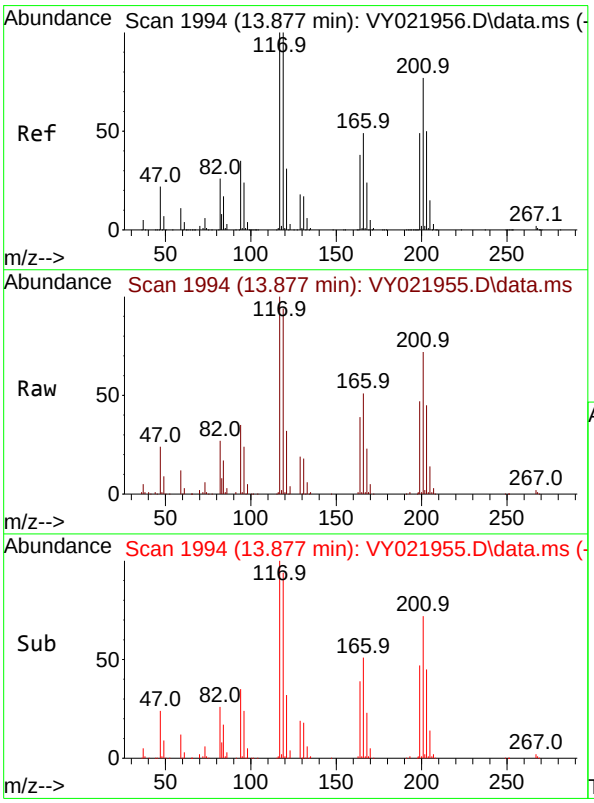
Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.5
134	26.2	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

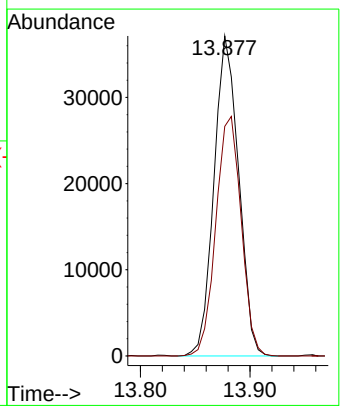
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

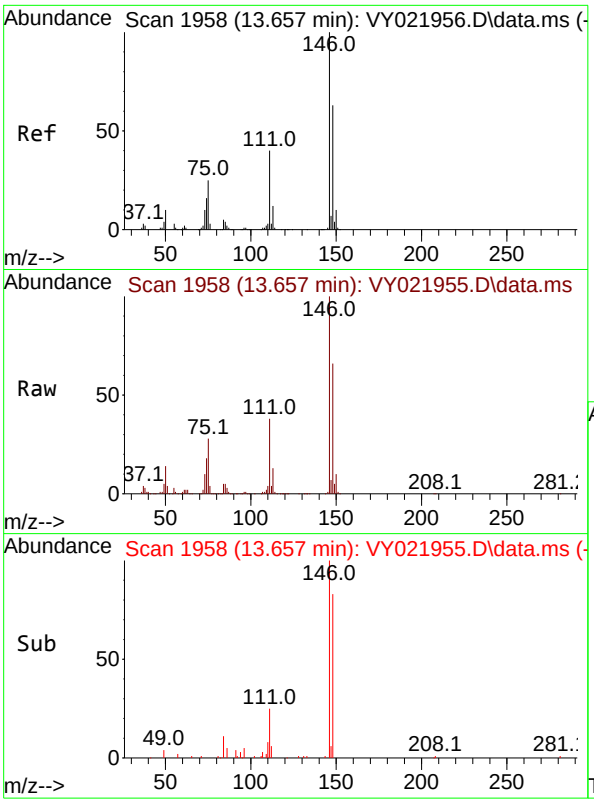


#90
Hexachloroethane
Concen: 18.211 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:117 Resp: 58060

Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.7	116.1

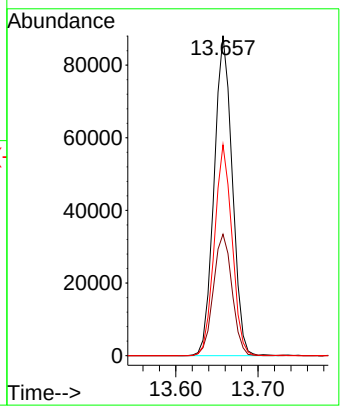




#91
1,2-Dichlorobenzene
Concen: 19.175 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:146 Resp: 13565

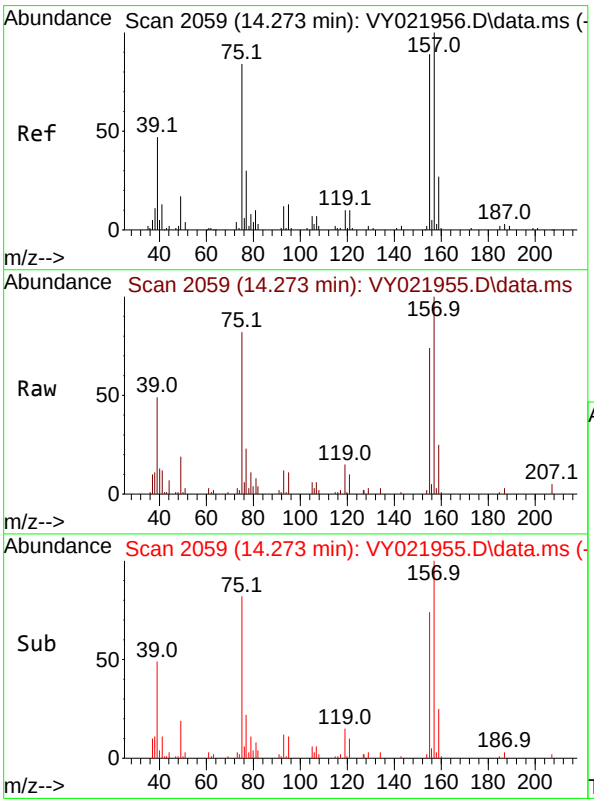
Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

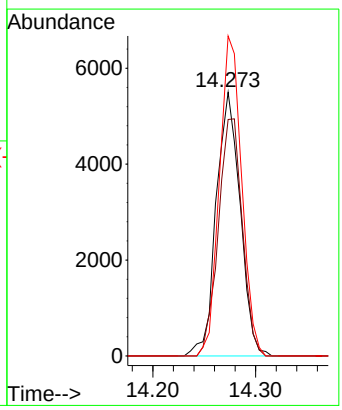
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

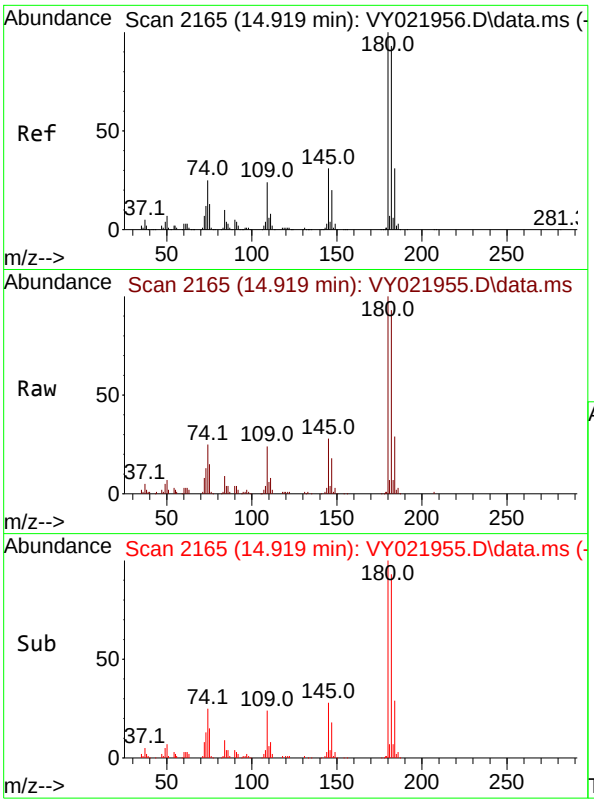


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.910 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 8864

Ion	Ratio	Lower	Upper
75	100		
155	90.1	50.7	152.3
157	113.1	62.6	187.8

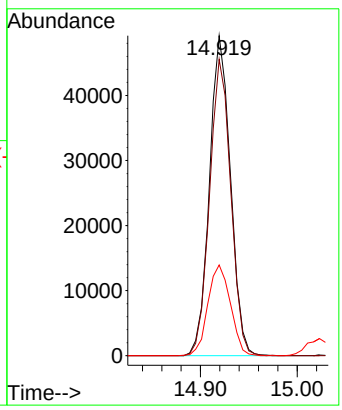




#93
1,2,4-Trichlorobenzene
Concen: 18.532 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:180 Resp: 7428

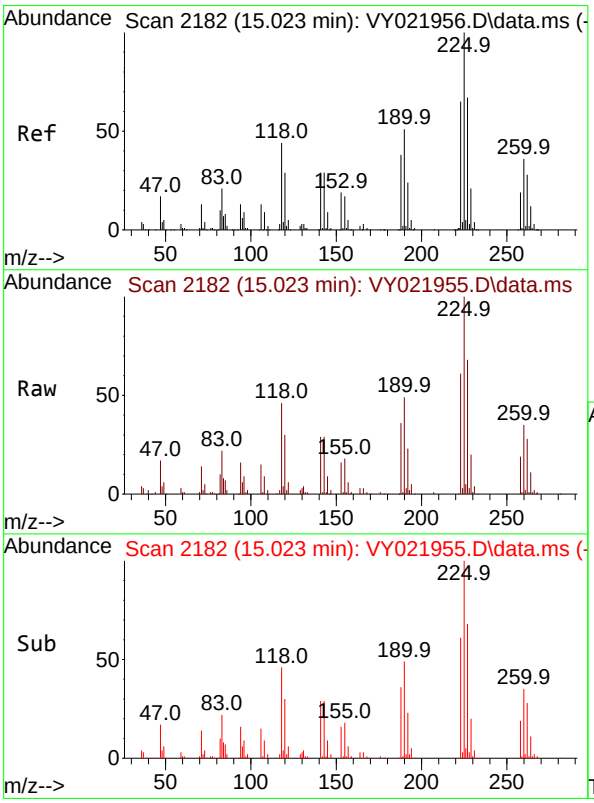
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.4
145	30.4	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

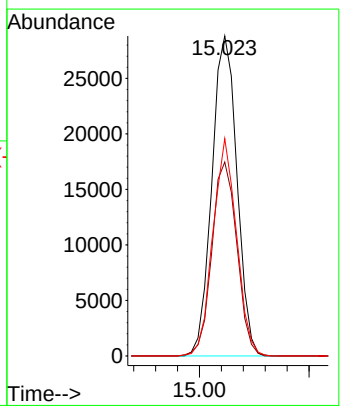
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

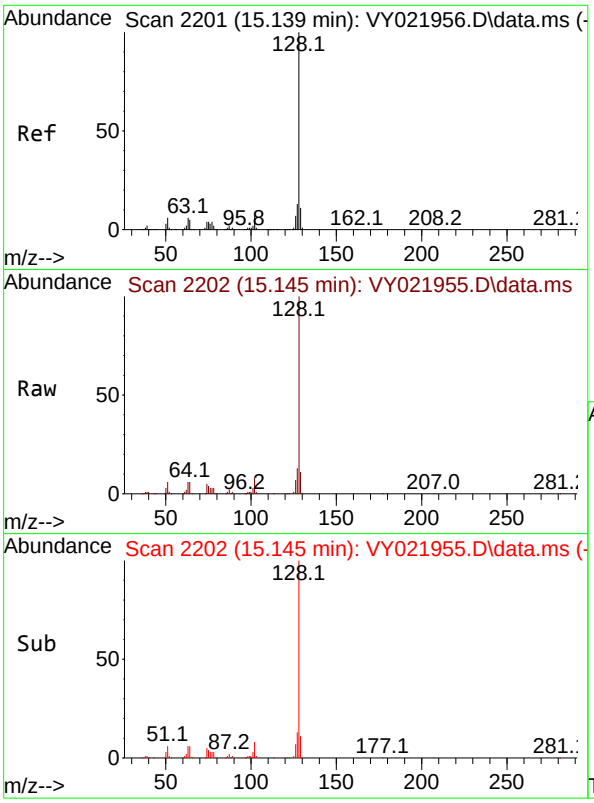


#94
Hexachlorobutadiene
Concen: 18.538 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:225 Resp: 45722

Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.9	95.5
227	64.3	32.3	96.9

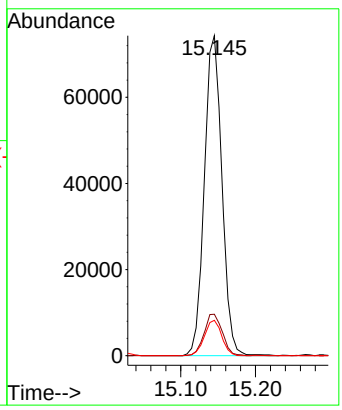




#95
Naphthalene
Concen: 18.238 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:128 Resp: 12145

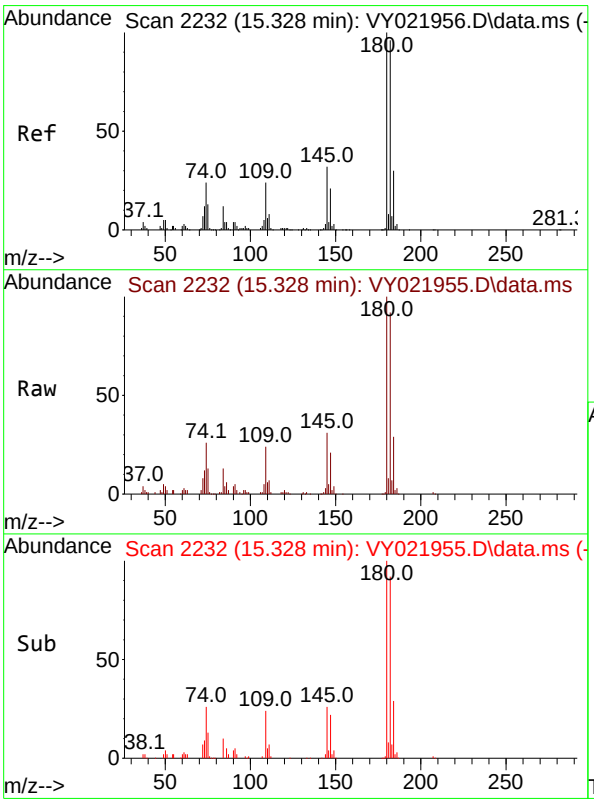
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

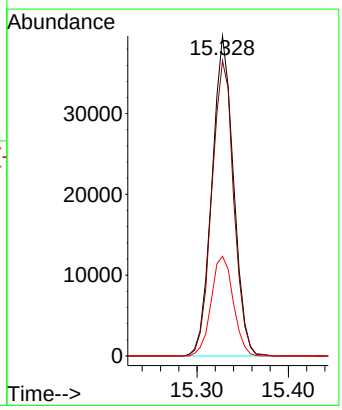
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.707 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:180 Resp: 64735

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.4
145	32.0	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l		100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l		100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l		100
44) Trichloroethene	8.860	130	183327	47.744	ug/l		100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l		100
46) Dibromomethane	9.231	93	93536	48.740	ug/l		100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l		100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l		100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l		100
52) Toluene	10.170	92	446525	49.760	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l		100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l		100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l		100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l		100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l		100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l		100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l		100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l		100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l		100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l		100
69) o-Xylene	11.950	106	315731	51.325	ug/l		100
70) Styrene	11.969	104	535957	51.890	ug/l		100
71) Bromoform	12.133	173	105166	50.110	ug/l	#	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l		100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	99679m	45.999	ug/l		
77) Bromobenzene	12.530	156	203522	49.021	ug/l		100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l		100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l		100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l		100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l		100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l		100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l		100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l		100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l		100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l		100
95) Naphthalene	15.139	128	353130	51.007	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 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\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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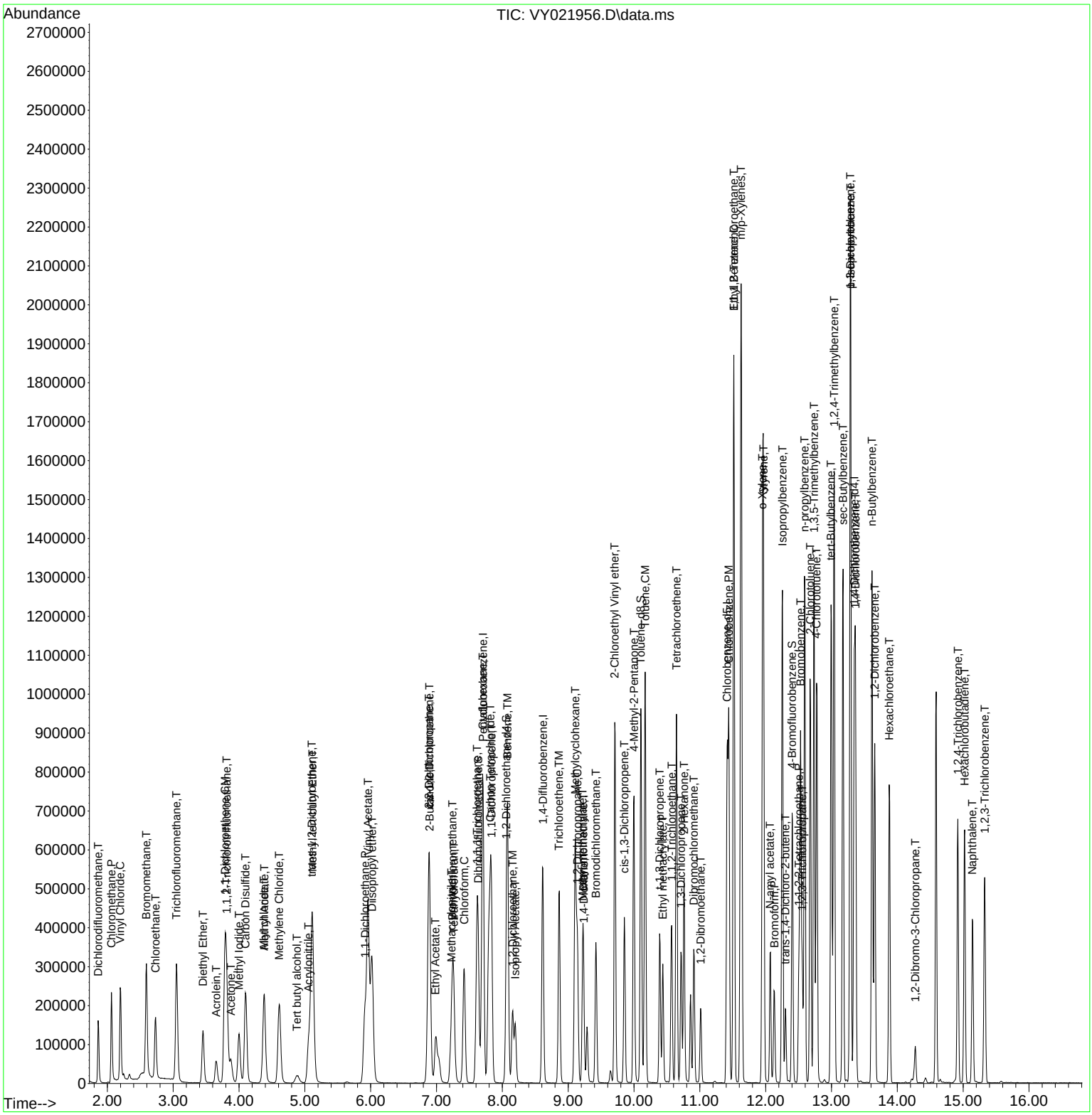
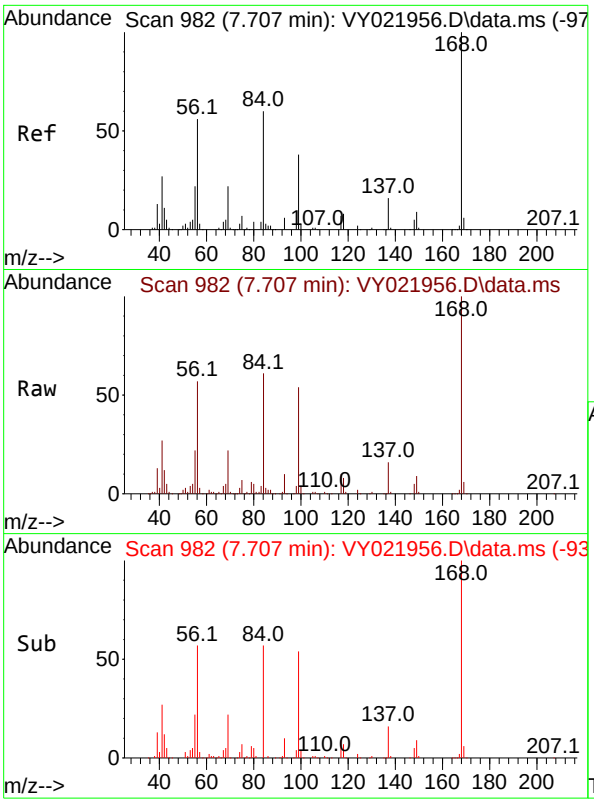
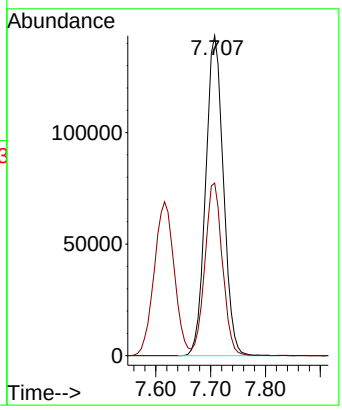




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:168 Resp: 32145

Ion	Ratio	Lower	Upper
168	100		
99	53.9	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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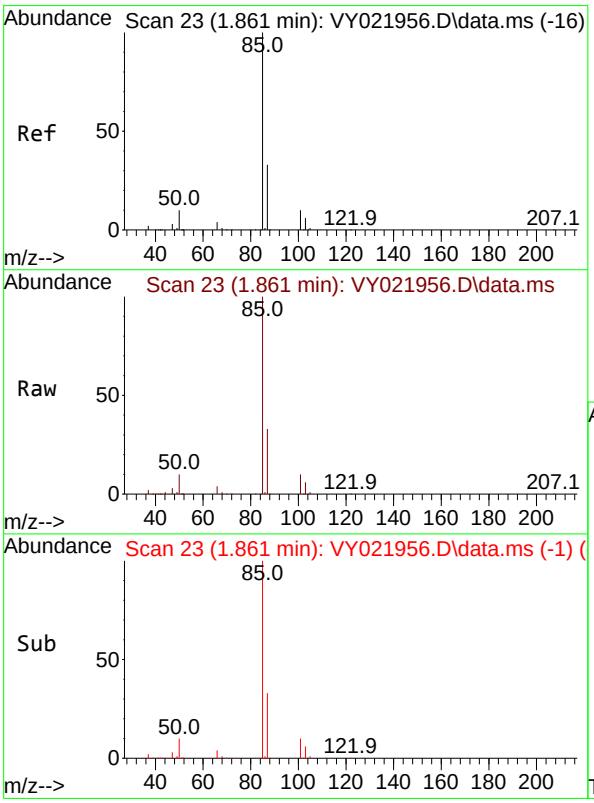
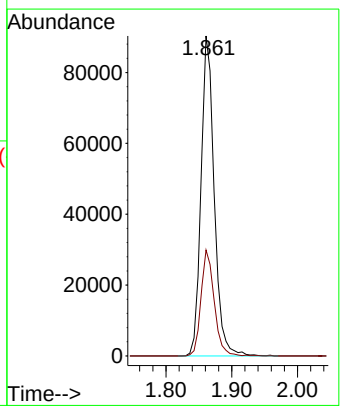
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

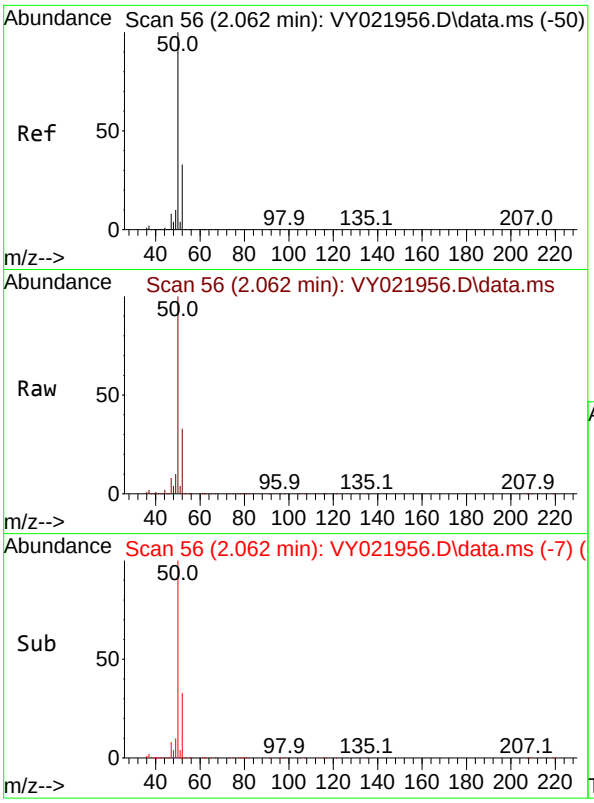


#2
Dichlorodifluoromethane
Concen: 46.089 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 85 Resp: 126242

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.7

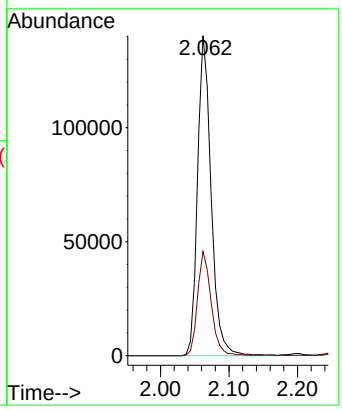




#3
Chloromethane
Concen: 49.653 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 50 Resp: 19365

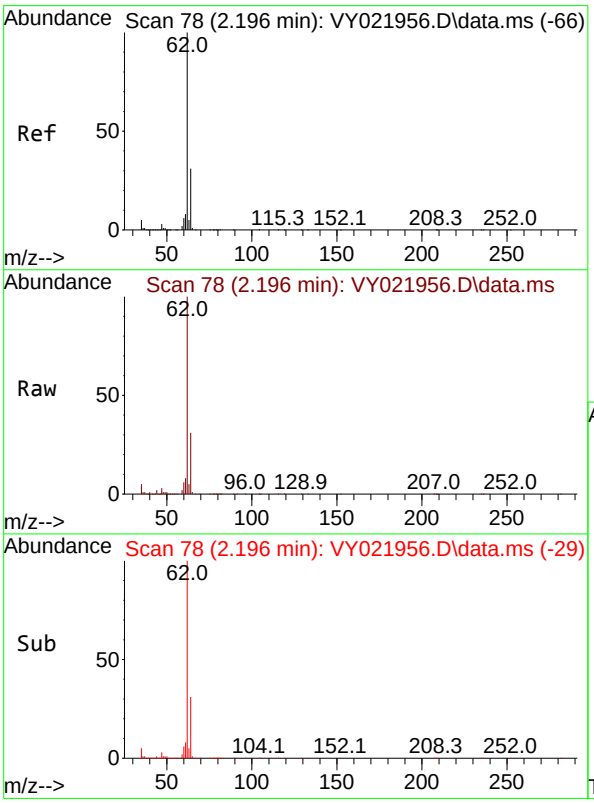
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

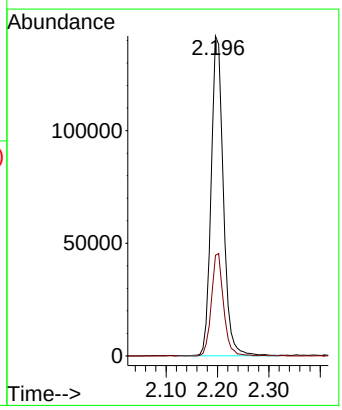
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

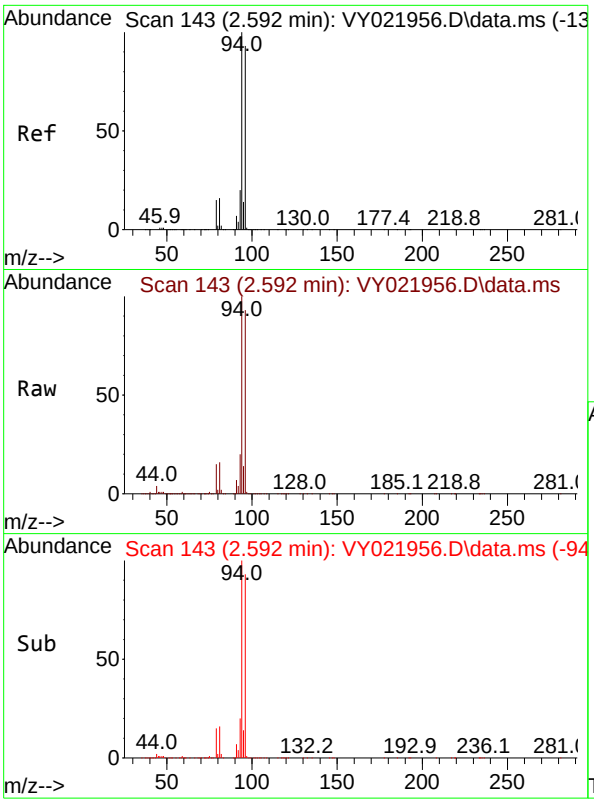


#4
Vinyl Chloride
Concen: 48.981 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 62 Resp: 234756

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.1	37.7





#5
Bromomethane
Concen: 46.385 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

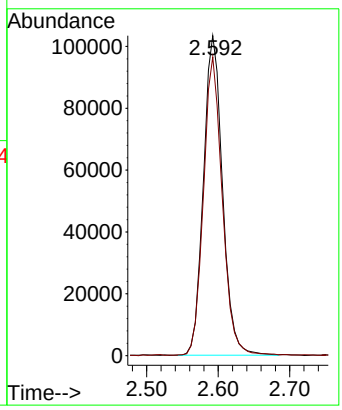
Tgt Ion: 94 Resp: 19153(

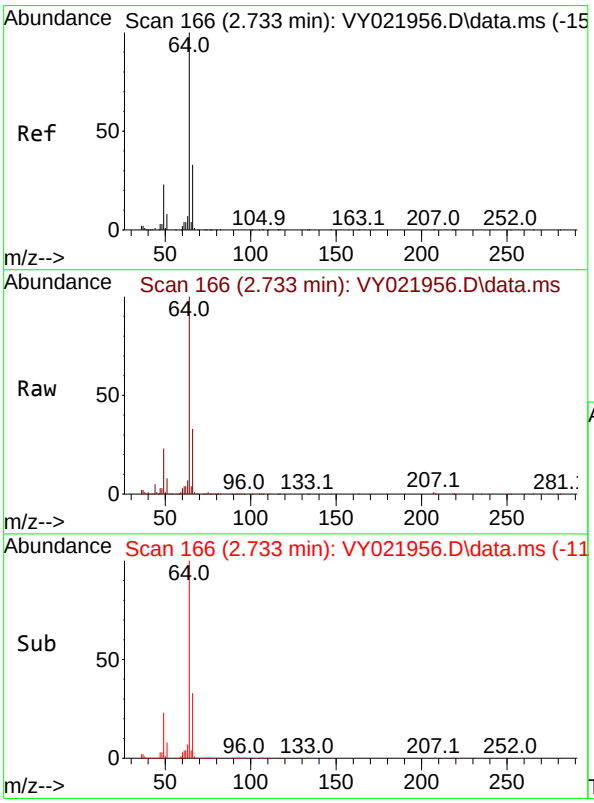
Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

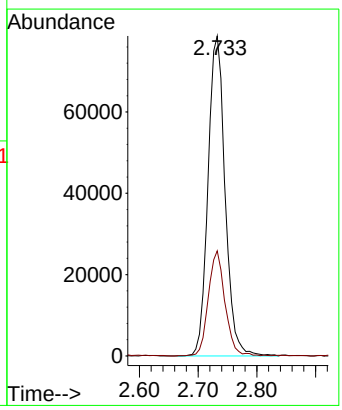


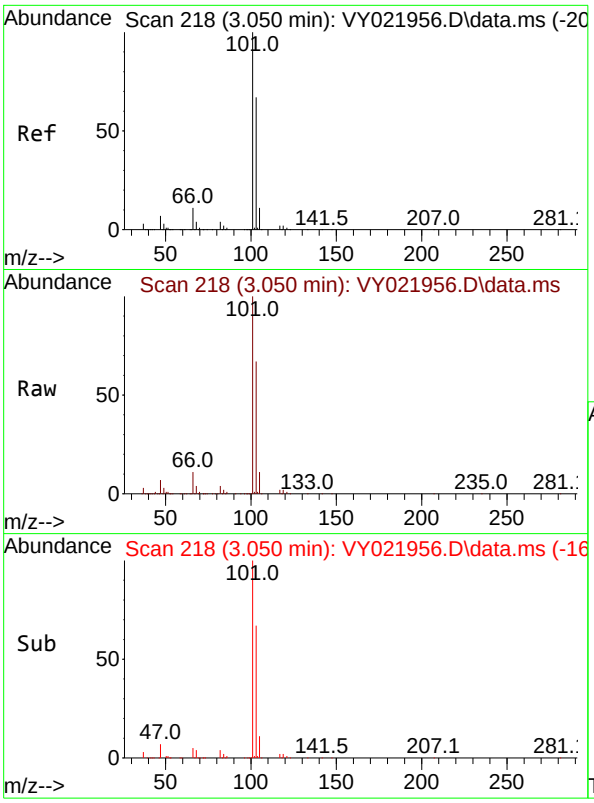


#6
Chloroethane
Concen: 48.677 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 64 Resp: 158887

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.2	39.4

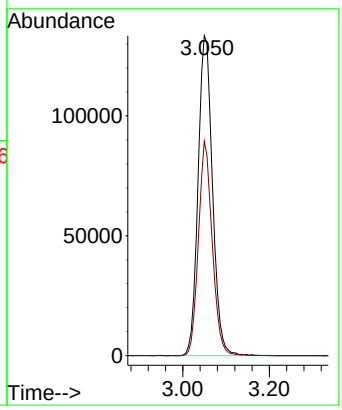




#7
Trichlorofluoromethane
Concen: 48.817 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:101 Resp: 30852

Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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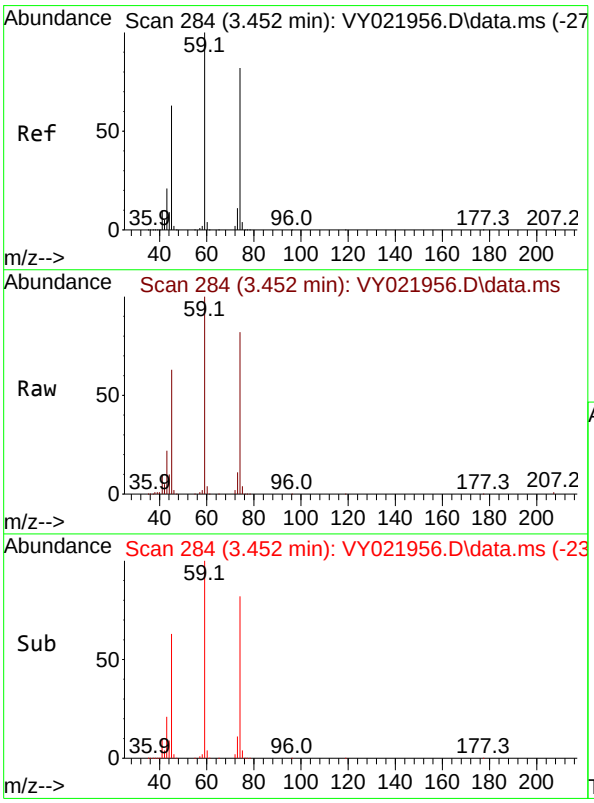
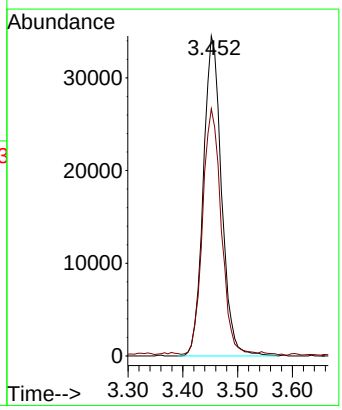
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

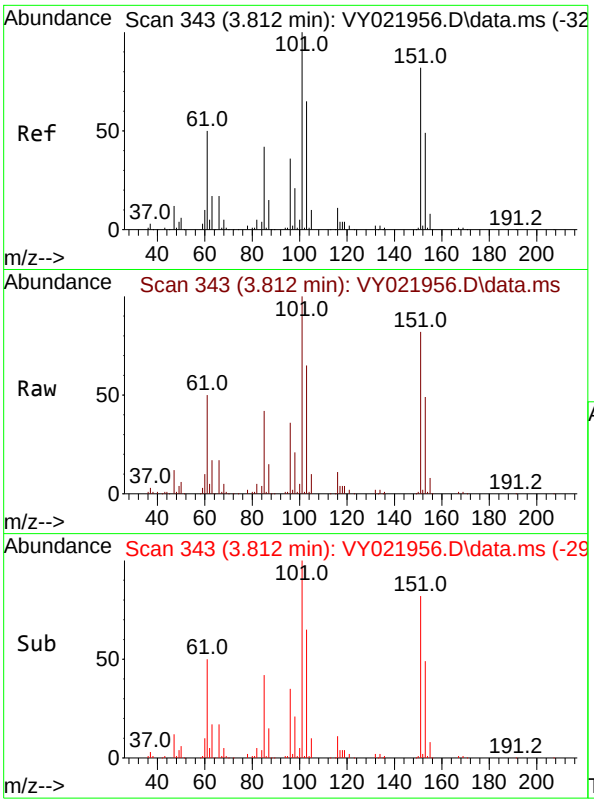


#8
Diethyl Ether
Concen: 48.337 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 74 Resp: 79512

Ion	Ratio	Lower	Upper
74	100		
45	78.3	39.1	117.5

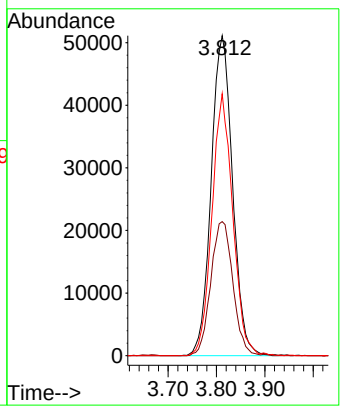




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.881 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:101 Resp: 15729

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	79.6	63.7	95.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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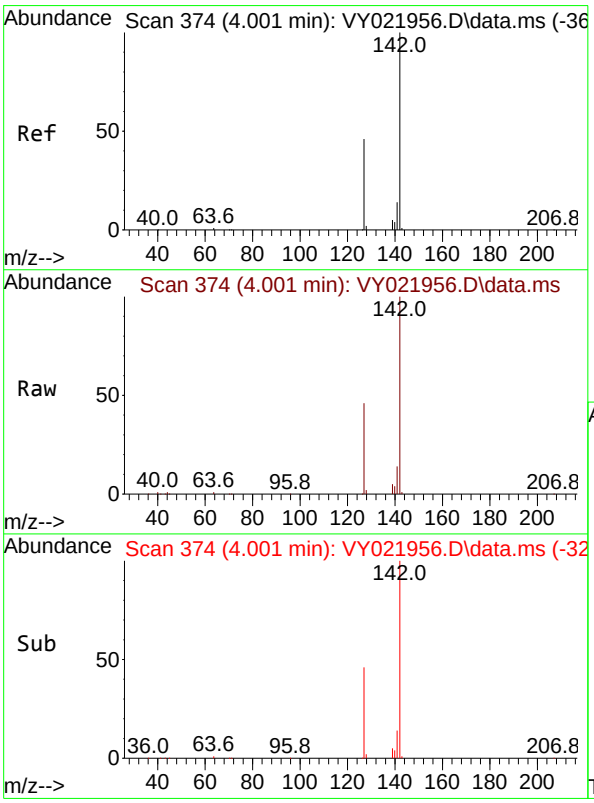
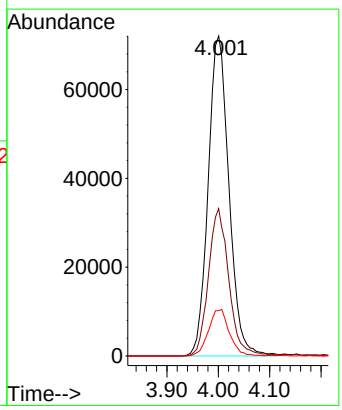
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

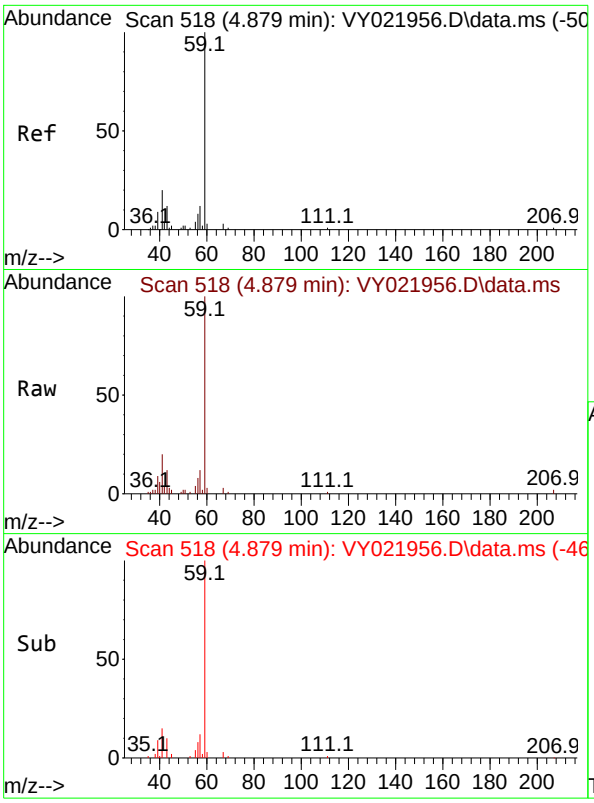


#10
Methyl Iodide
Concen: 50.959 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:142 Resp: 202276

Ion	Ratio	Lower	Upper
142	100		
127	45.2	36.2	54.2
141	14.6	11.7	17.5

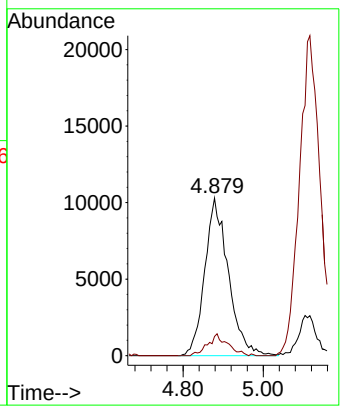




#11
Tert butyl alcohol
Concen: 257.462 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 59 Resp: 4196

Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
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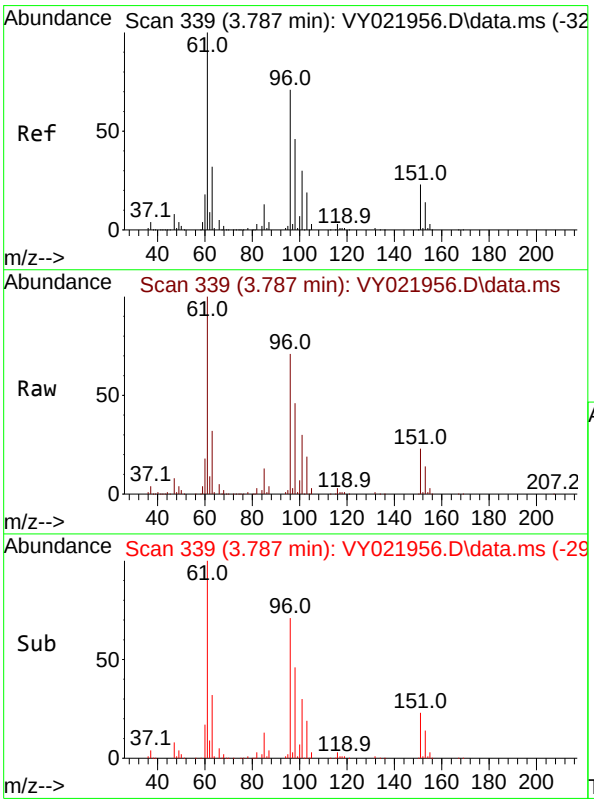
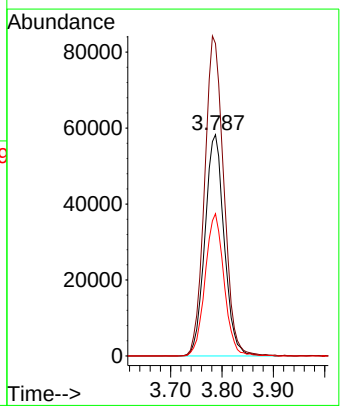
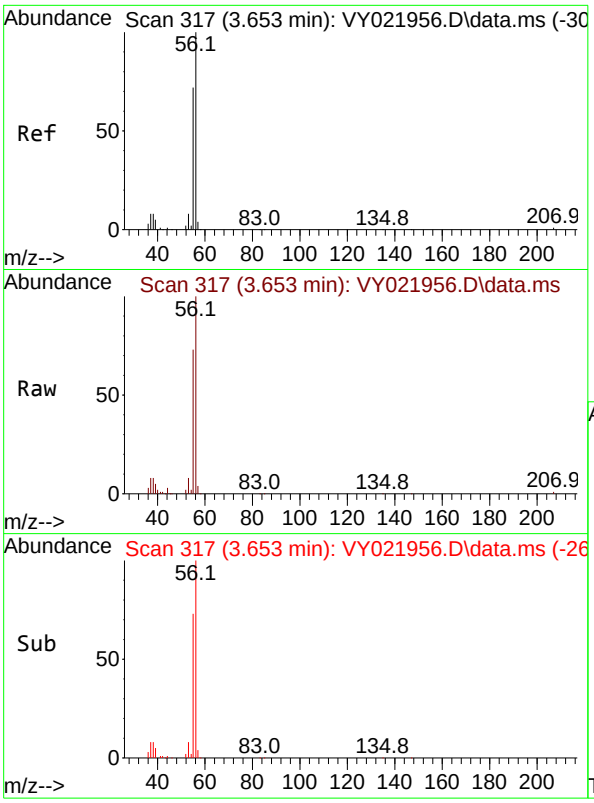


#12
1,1-Dichloroethene
Concen: 47.419 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 96 Resp: 151531

Ion	Ratio	Lower	Upper
96	100		
61	141.2	113.0	169.4
98	64.3	51.4	77.2

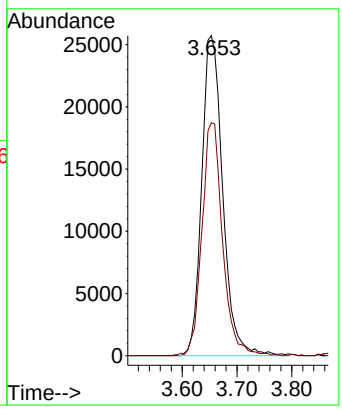




#13
Acrolein
Concen: 233.366 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 56 Resp: 6827

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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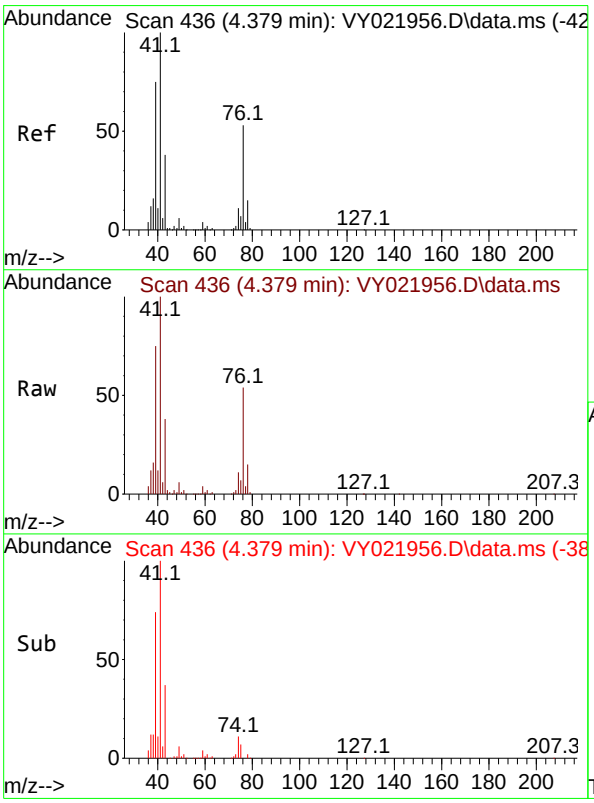
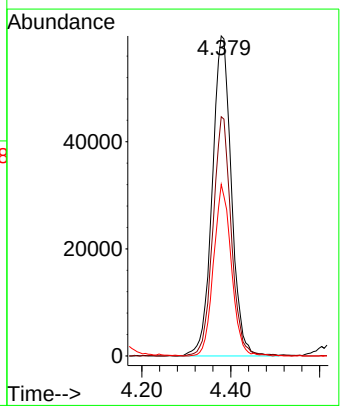
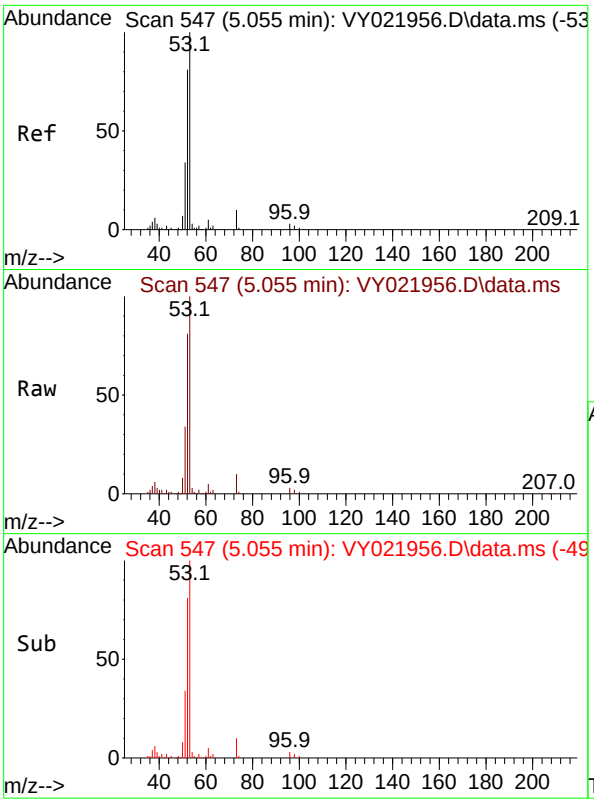


#14
Allyl chloride
Concen: 47.988 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 41 Resp: 178559

Ion	Ratio	Lower	Upper
41	100		
39	71.5	57.2	85.8
76	49.6	39.7	59.5

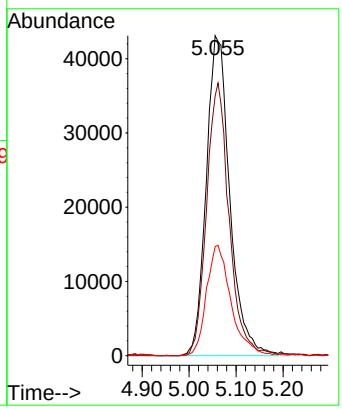




#15
Acrylonitrile
Concen: 249.387 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 53 Resp: 15018

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	36.1	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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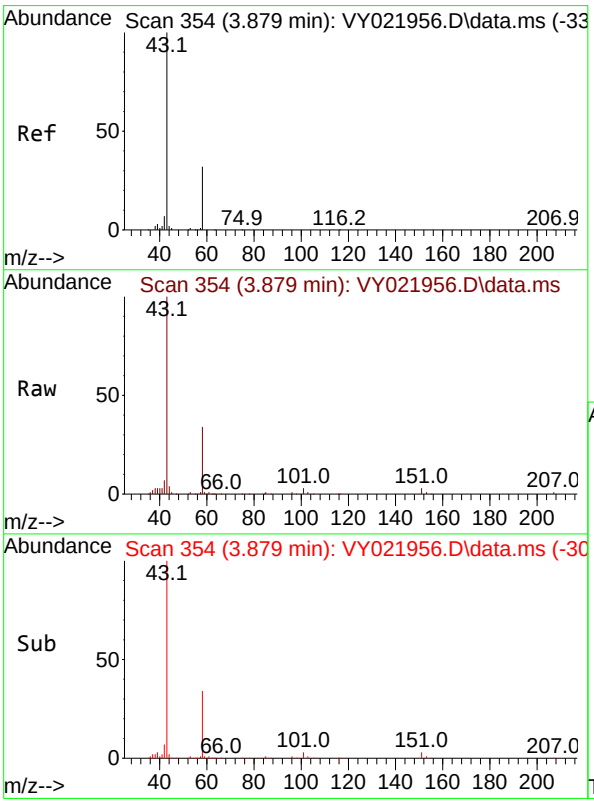
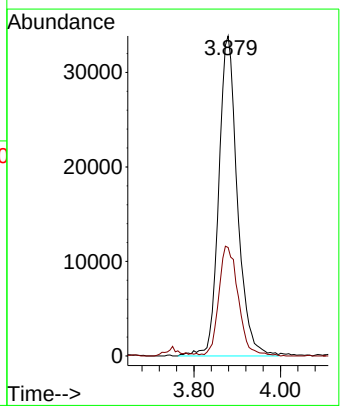
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

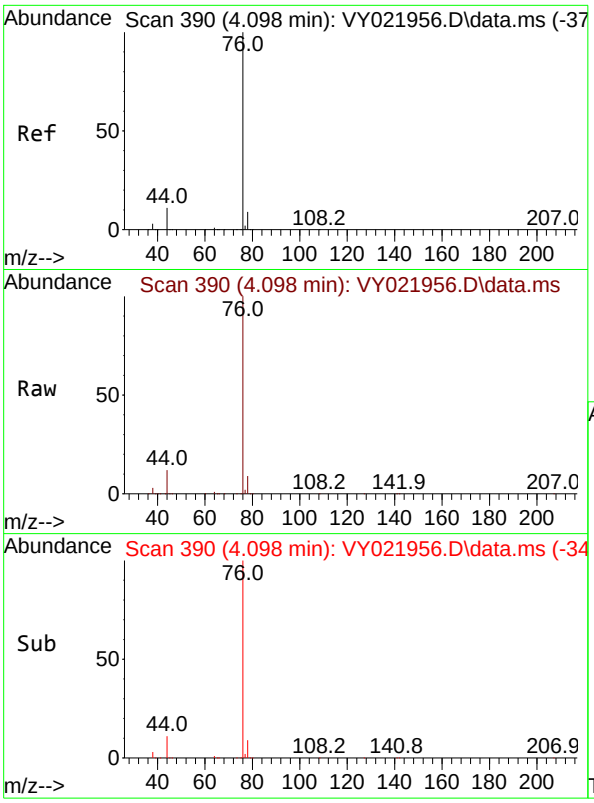


#16
Acetone
Concen: 261.973 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 101417

Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.0	40.4





#17
Carbon Disulfide
Concen: 47.094 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 76 Resp: 47984

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
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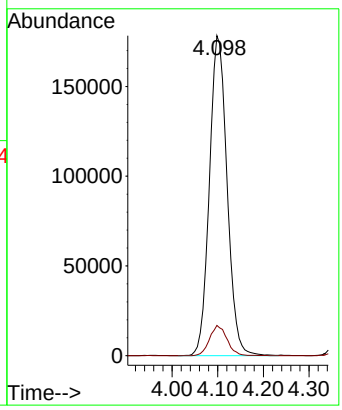
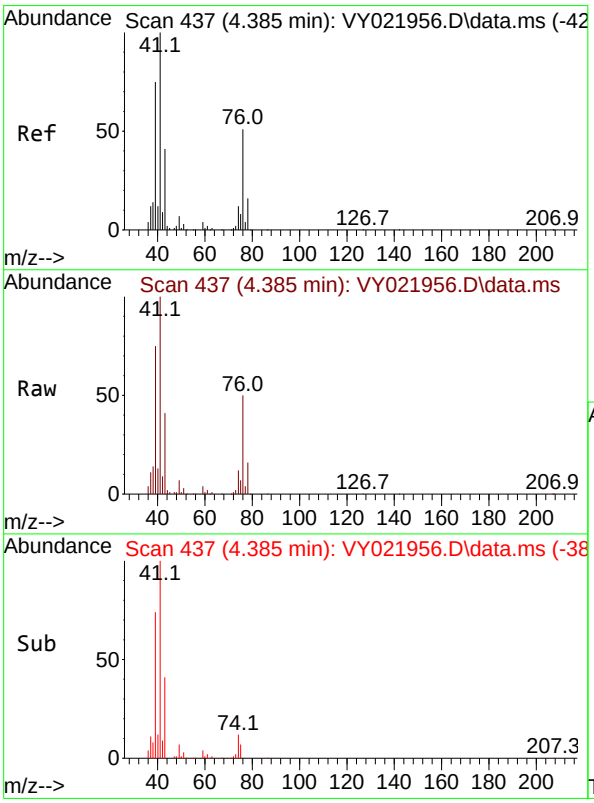
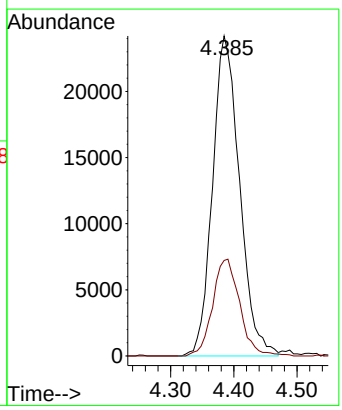


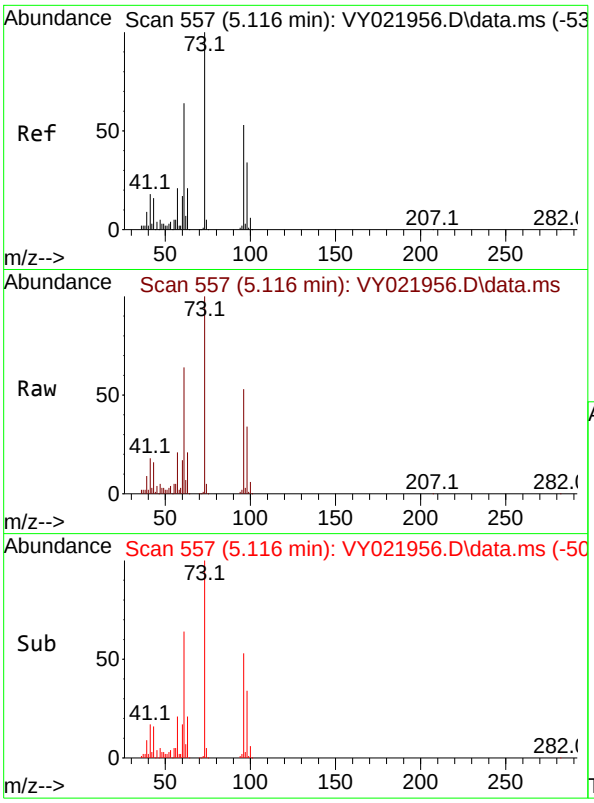


#18
Methyl Acetate
Concen: 51.735 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 71756

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

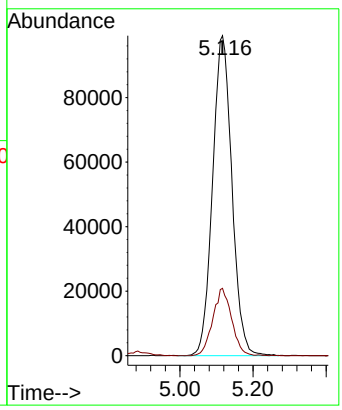




#19
Methyl tert-butyl Ether
Concen: 50.907 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 73 Resp: 36410

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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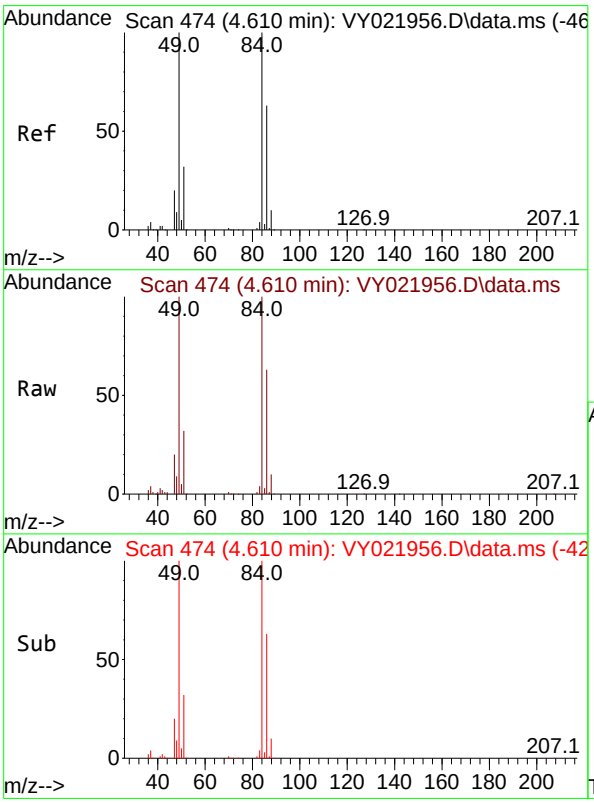
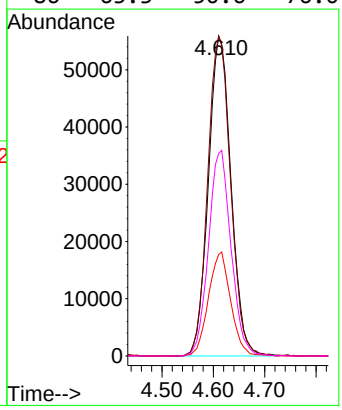
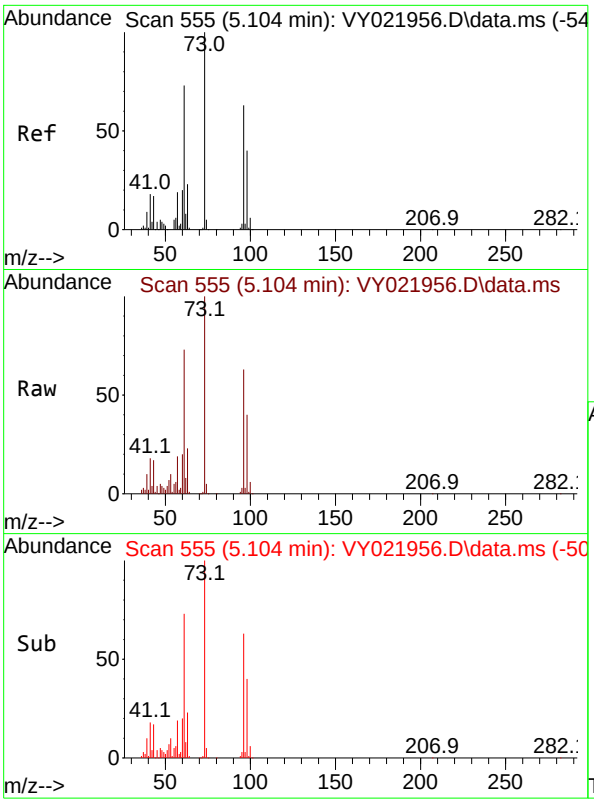


#20
Methylene Chloride
Concen: 45.671 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 84 Resp: 171472

Ion	Ratio	Lower	Upper
84	100		
49	99.9	79.9	119.9
51	31.7	25.4	38.0
86	63.3	50.6	76.0

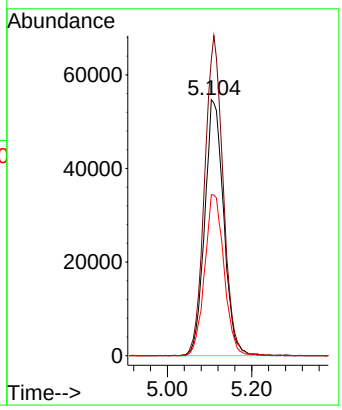




#21
trans-1,2-Dichloroethene
Concen: 47.796 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 96 Resp: 17105

Ion	Ratio	Lower	Upper
96	100		
61	115.7	92.6	138.8
98	62.8	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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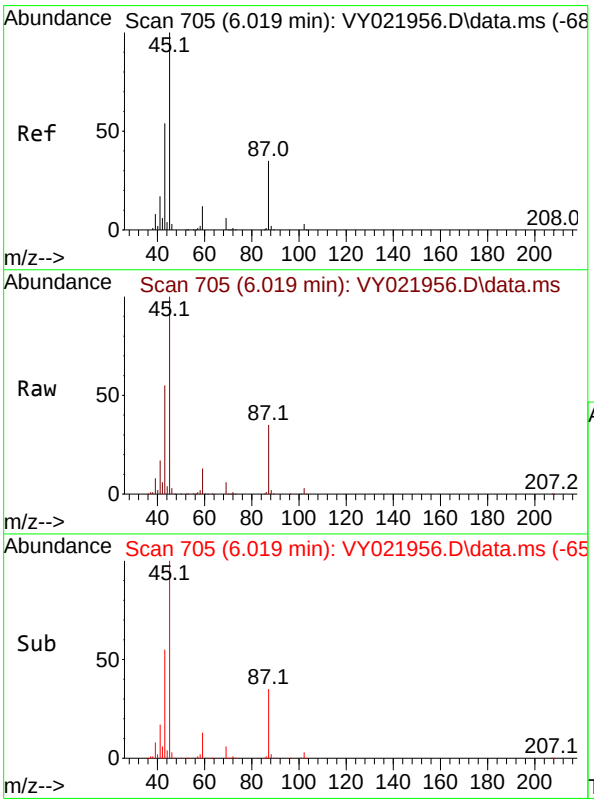
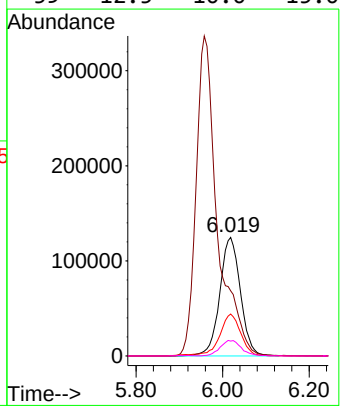
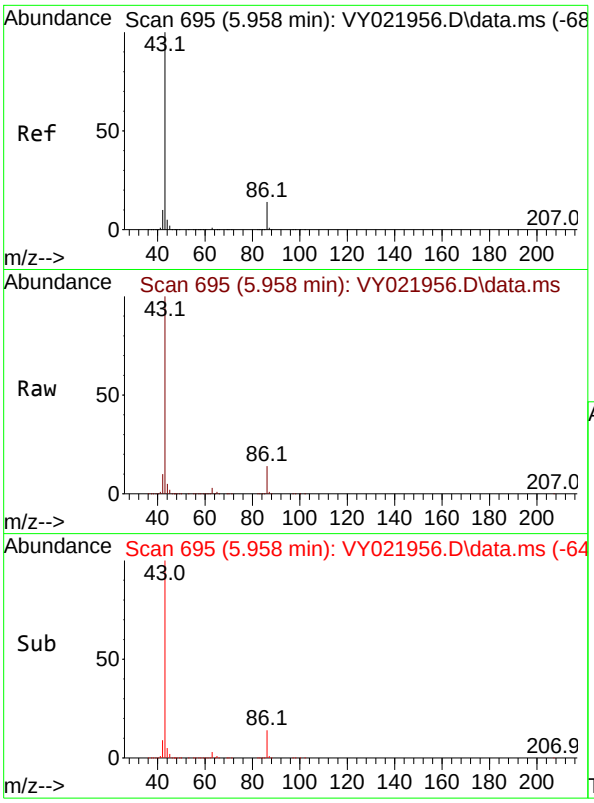


#22
Diisopropyl ether
Concen: 50.096 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 45 Resp: 414816

Ion	Ratio	Lower	Upper
45	100		
43	54.5	43.6	65.4
87	35.3	28.2	42.4
59	12.5	10.0	15.0





#23
Vinyl Acetate
Concen: 257.942 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 115110

Ion	Ratio	Lower	Upper
43	100		
86	13.9	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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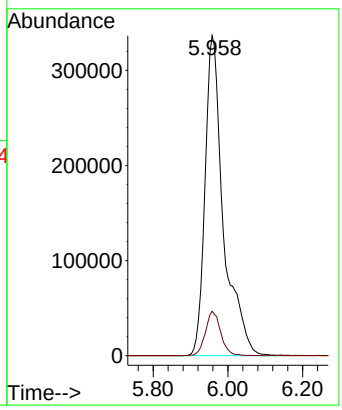
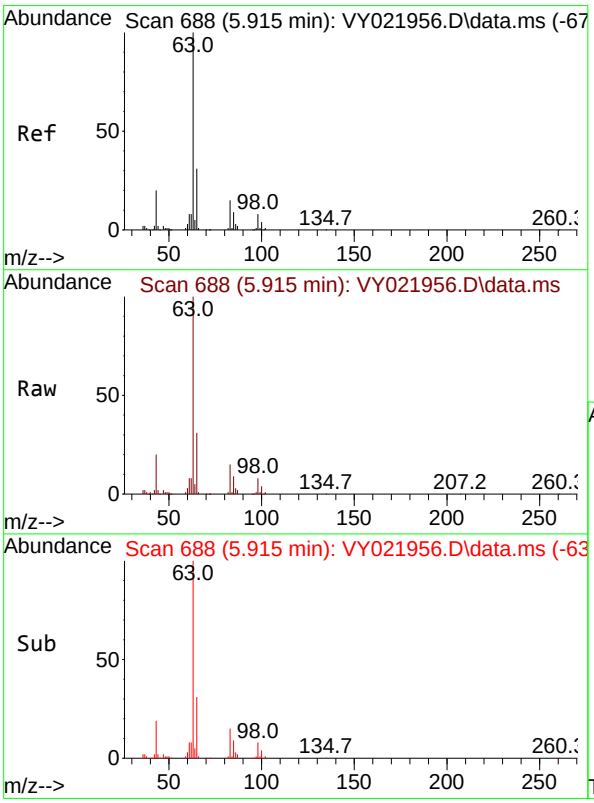
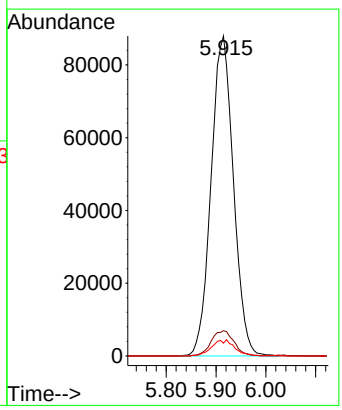


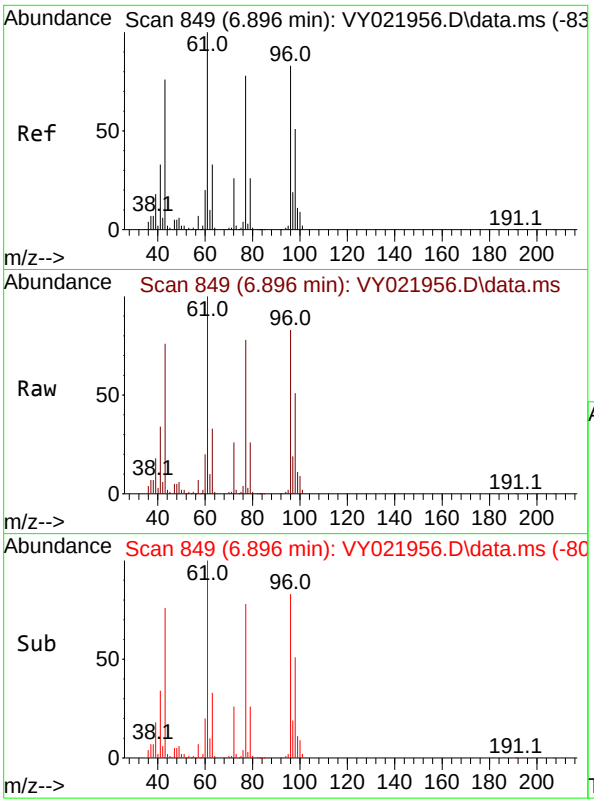


#24
1,1-Dichloroethane
Concen: 47.762 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 63 Resp: 274136

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	11.9
100	4.0	2.0	6.0

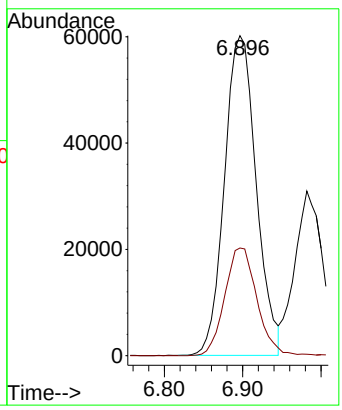




#25
2-Butanone
Concen: 250.772 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 16972

Ion	Ratio	Lower	Upper
43	100		
72	33.7	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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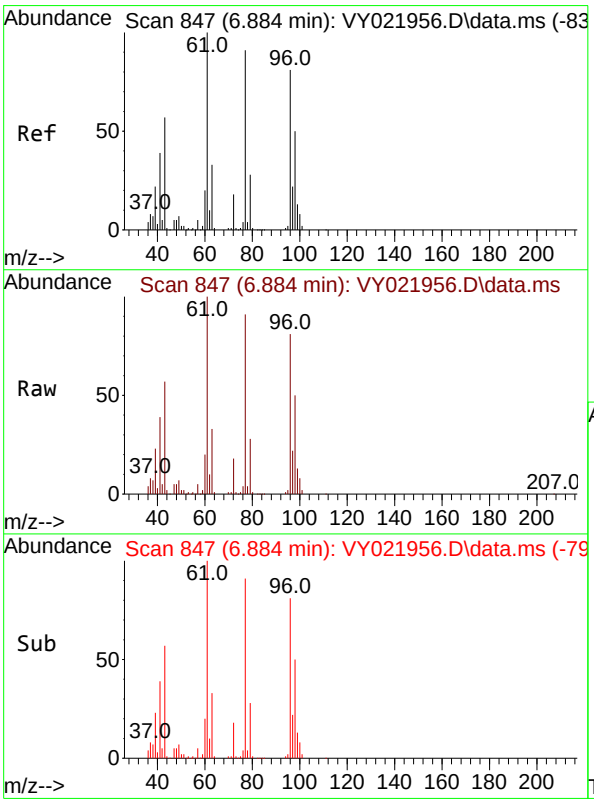
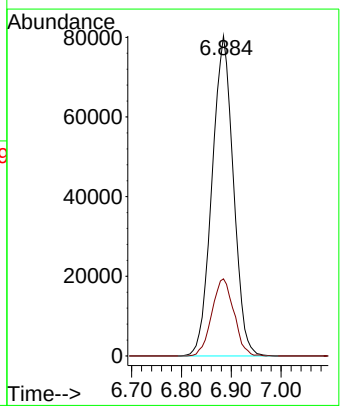
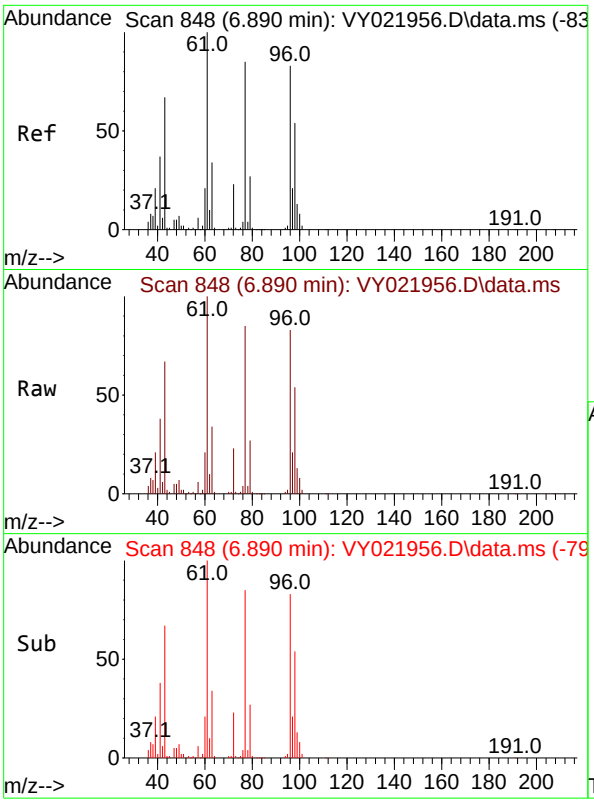


#26
2,2-Dichloropropane
Concen: 47.472 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 77 Resp: 238816

Ion	Ratio	Lower	Upper
77	100		
97	24.9	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 49.157 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 96 Resp: 19671

Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	251.4
98	64.2	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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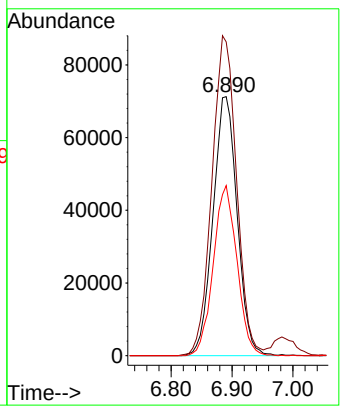
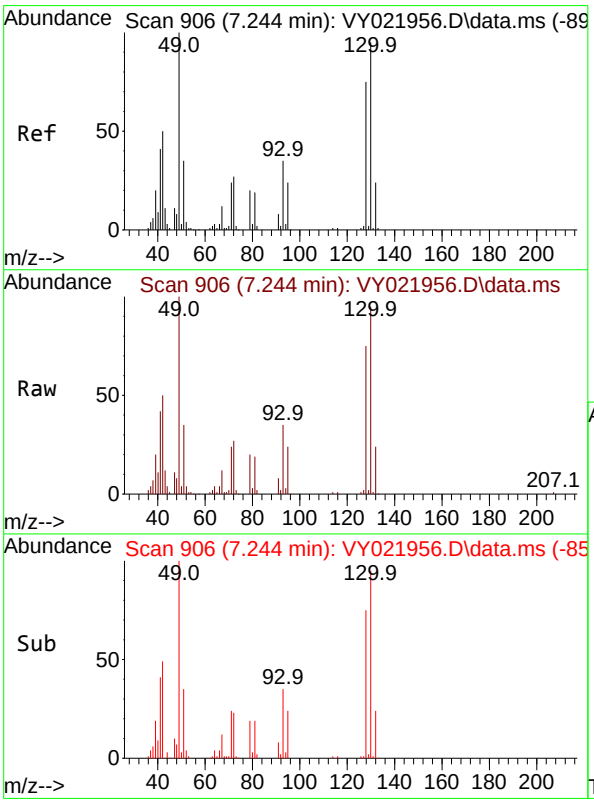
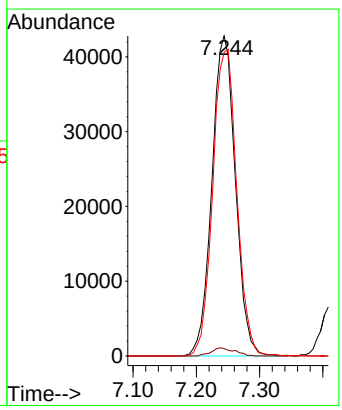


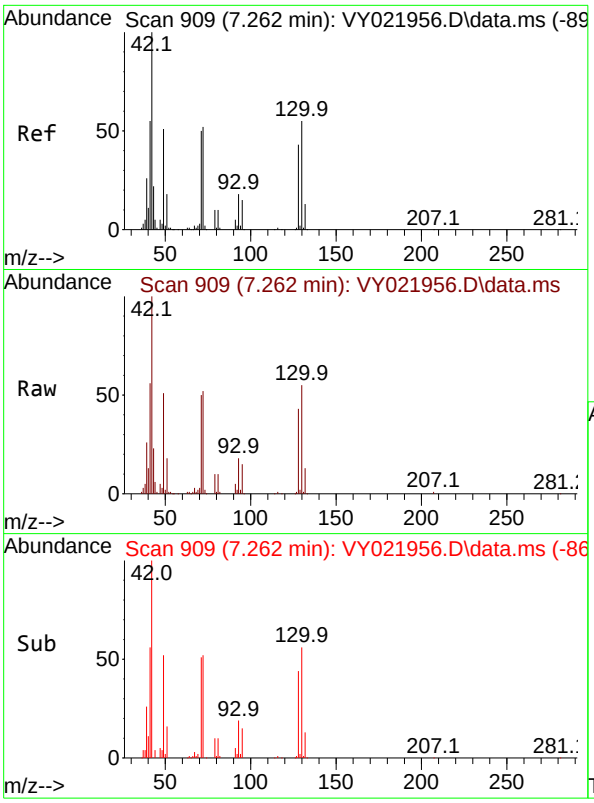


#28
Bromochloromethane
Concen: 49.520 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 49 Resp: 110399

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	97.8	78.2	117.4

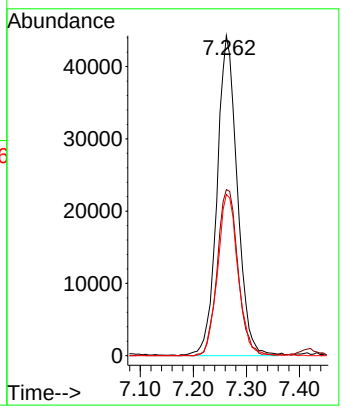




#29
Tetrahydrofuran
Concen: 266.870 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 42 Resp: 11731

Ion	Ratio	Lower	Upper
42	100		
72	53.2	42.6	63.8
71	50.8	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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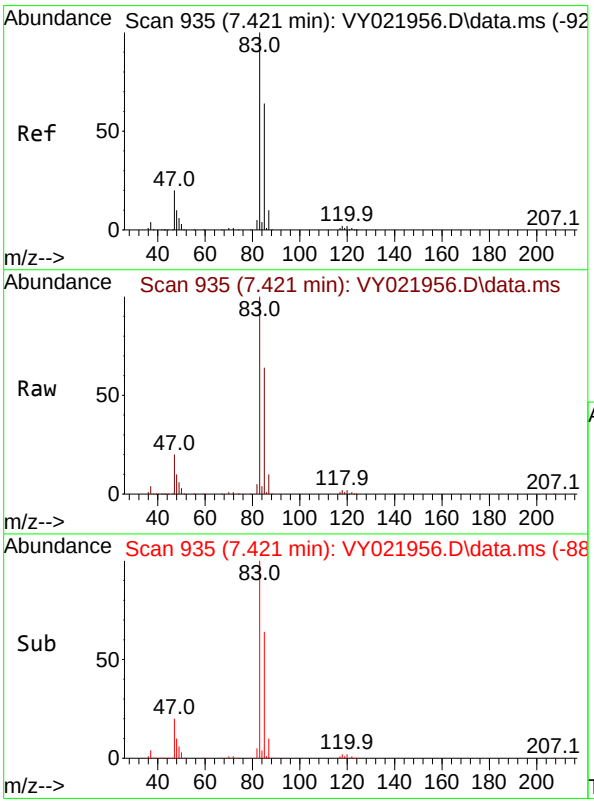
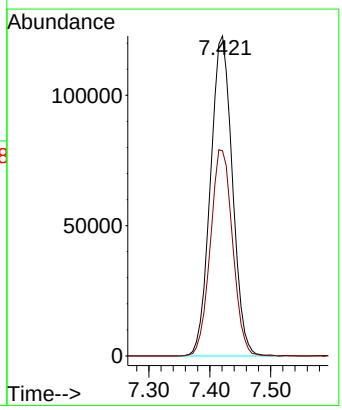
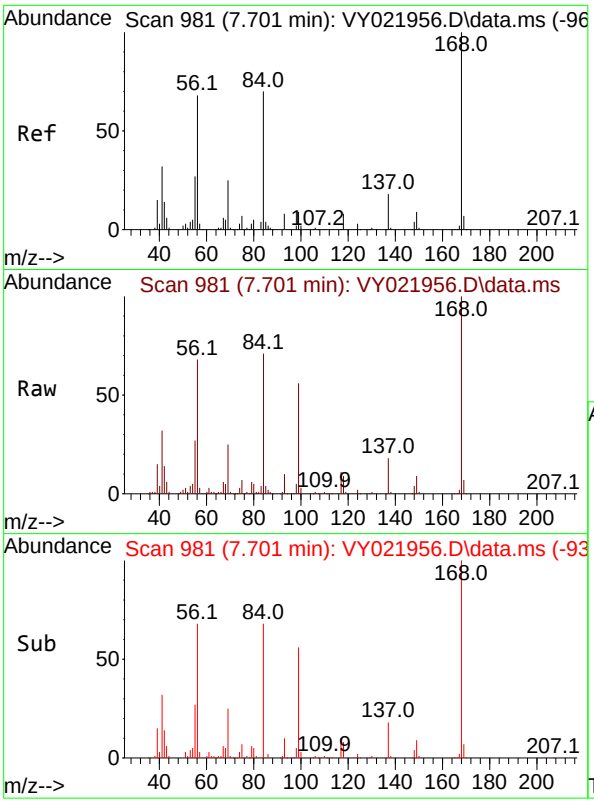


#30
Chloroform
Concen: 48.259 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 83 Resp: 307243

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9

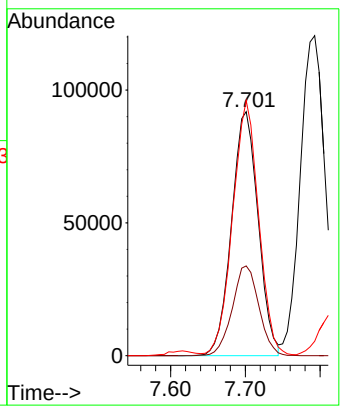




#31
Cyclohexane
Concen: 46.398 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 56 Resp: 22773

Ion	Ratio	Lower	Upper
56	100		
69	36.8	29.4	44.2
84	102.8	82.2	123.4



Instrument :
MSVOA_Y
ClientSampleId :
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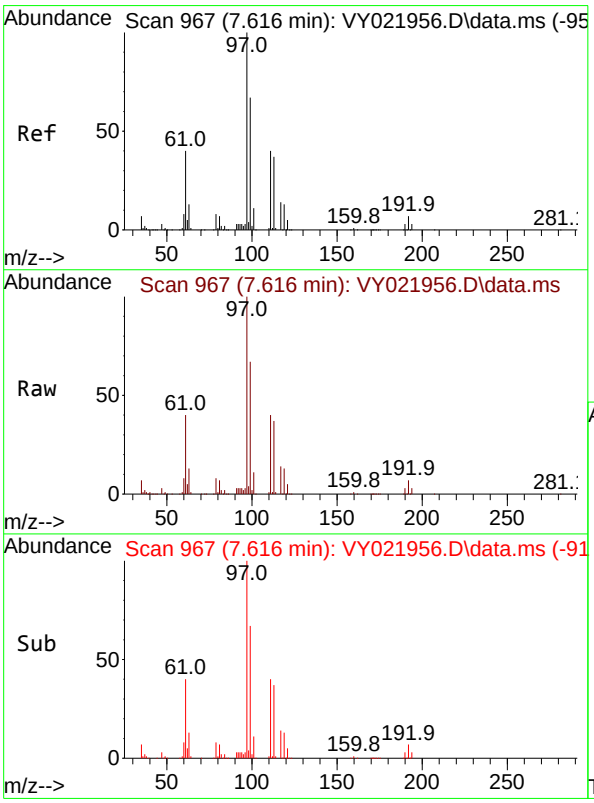
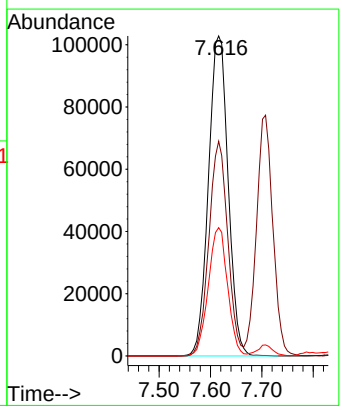
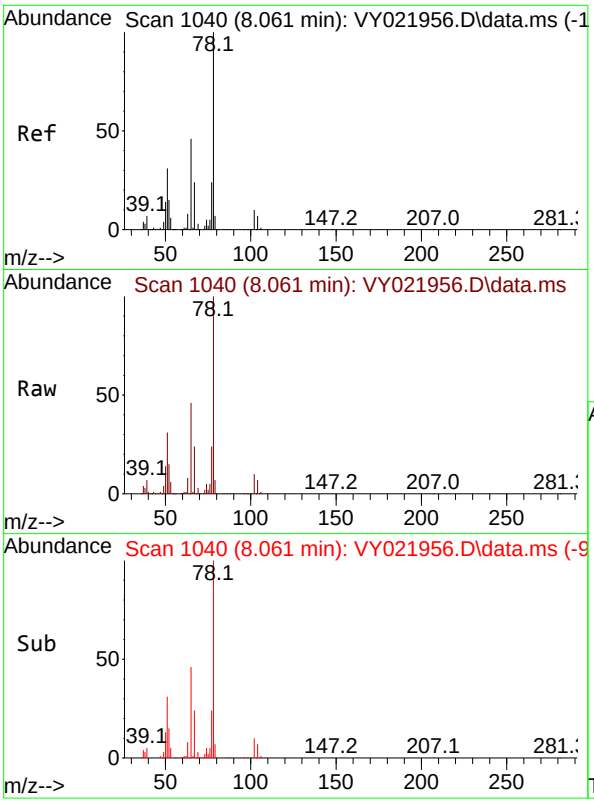


#32
1,1,1-Trichloroethane
Concen: 47.581 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 97 Resp: 274062

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.3	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 50.416 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 65 Resp: 14969

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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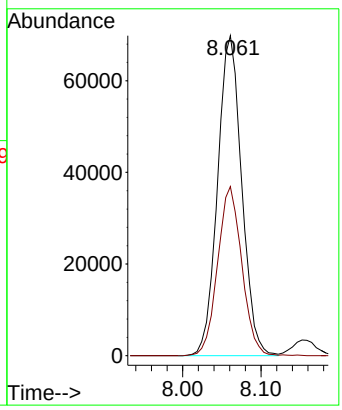
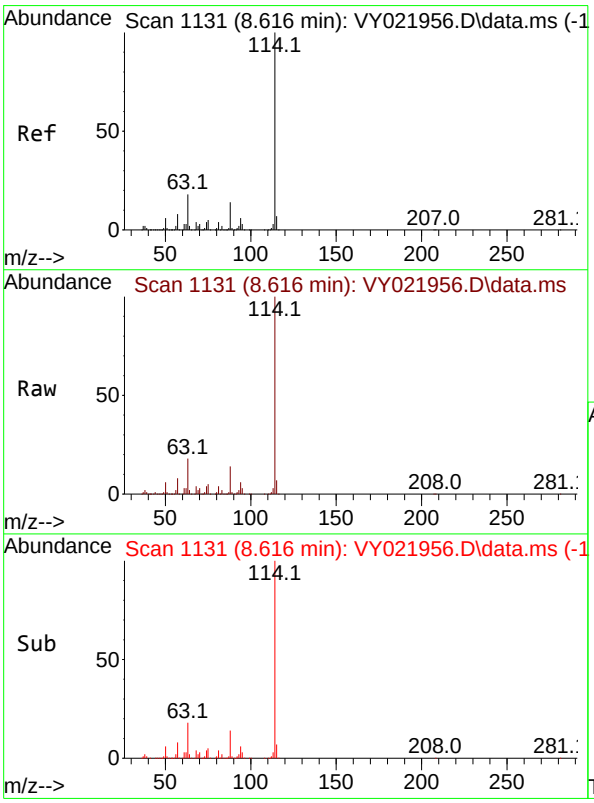
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

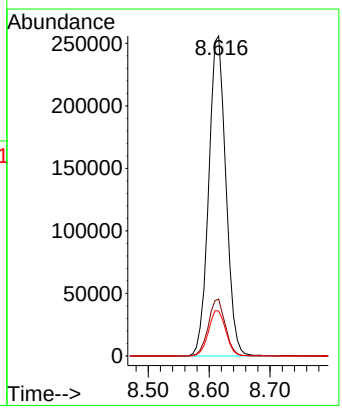


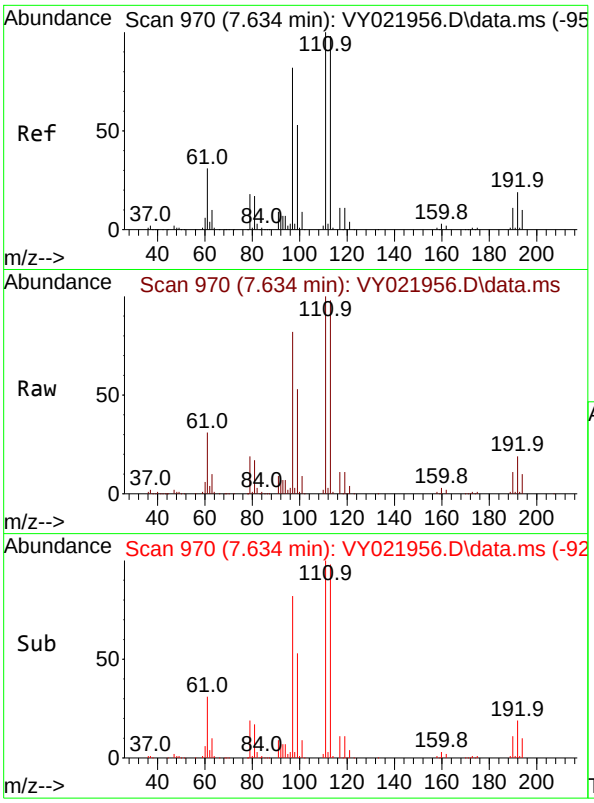


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:114 Resp: 499724

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.1	0.0	28.2

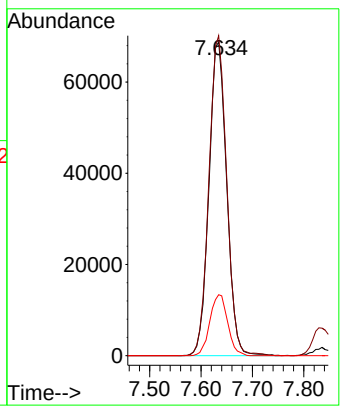




#35
Dibromofluoromethane
Concen: 49.938 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:113 Resp: 16486

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	19.5	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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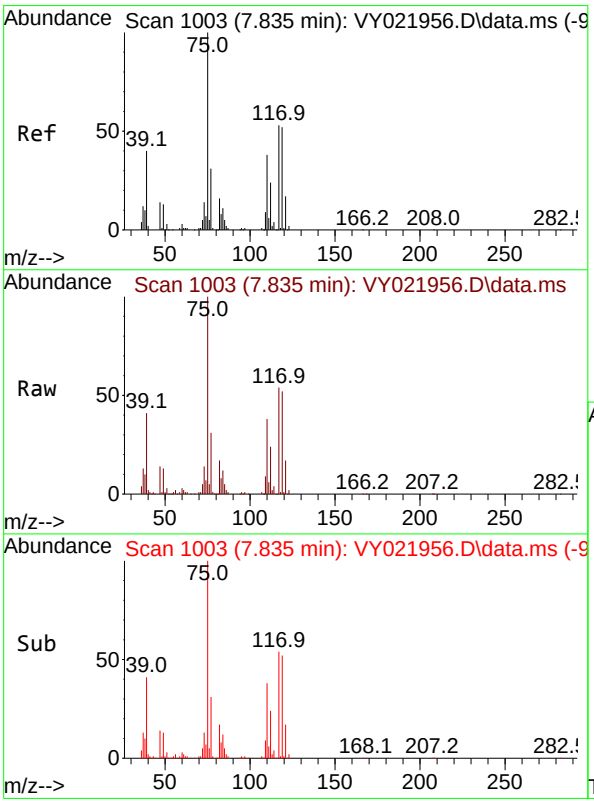
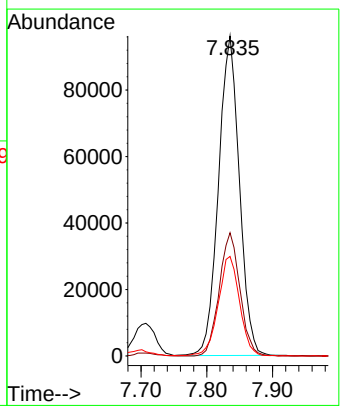
Supervised By :Mahesh Dadoda 04/23/2025

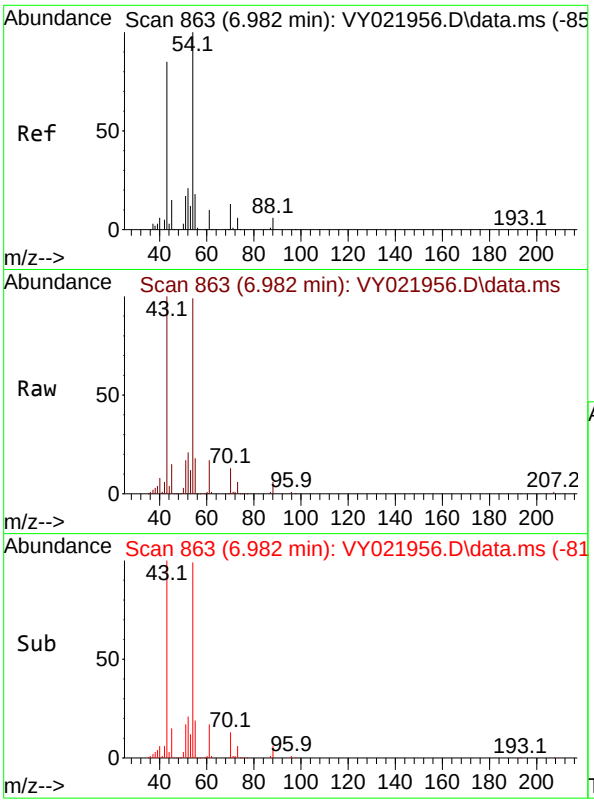


#36
1,1-Dichloropropene
Concen: 47.923 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 212523

Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.3
77	31.9	25.5	38.3





#37
Ethyl Acetate
Concen: 51.312 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 8062

Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.8	20.6
70	11.5	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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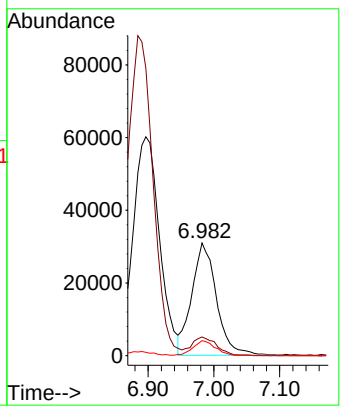
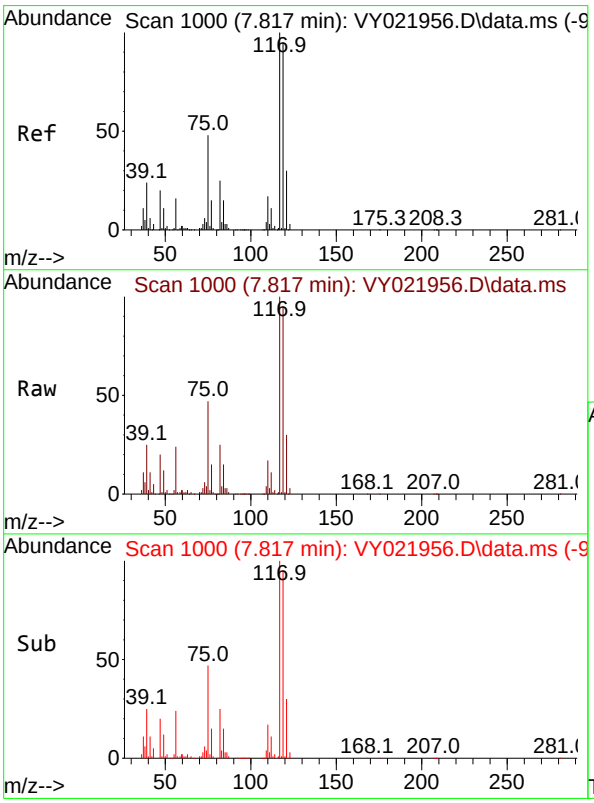
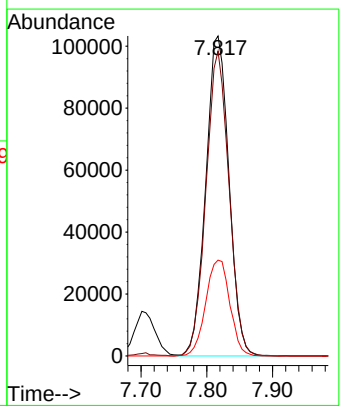


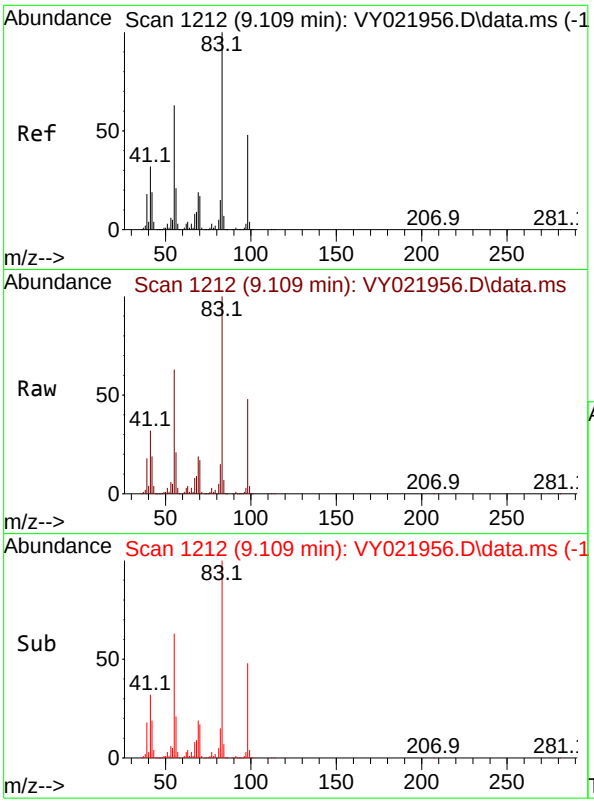


#38
Carbon Tetrachloride
Concen: 47.838 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:117 Resp: 253502

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.0	24.0	36.0

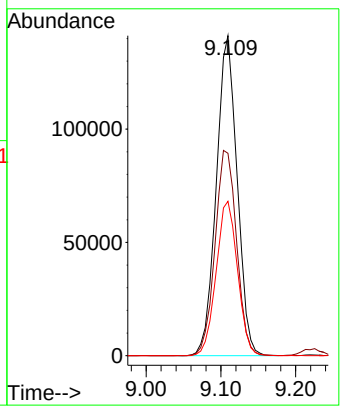




#39
Methylcyclohexane
Concen: 49.170 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 83 Resp: 27440

Ion	Ratio	Lower	Upper
83	100		
55	63.2	50.6	75.8
98	48.3	38.6	58.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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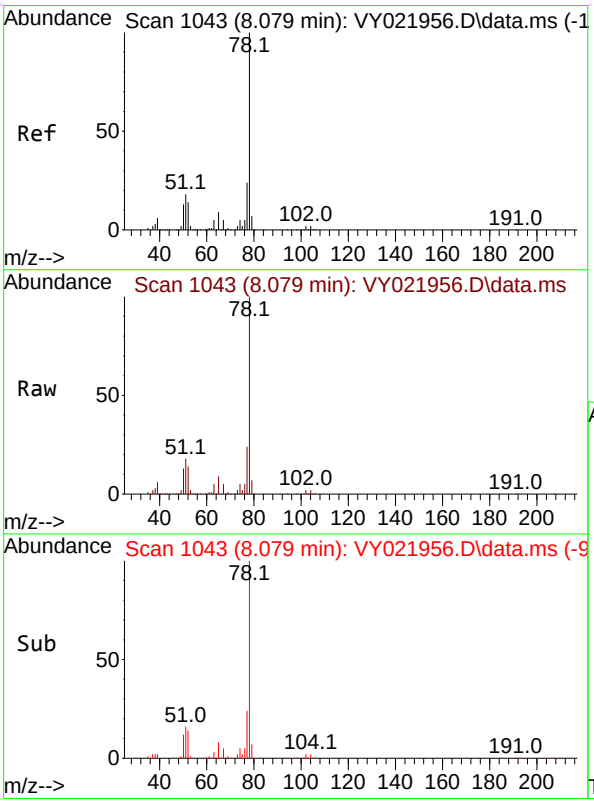
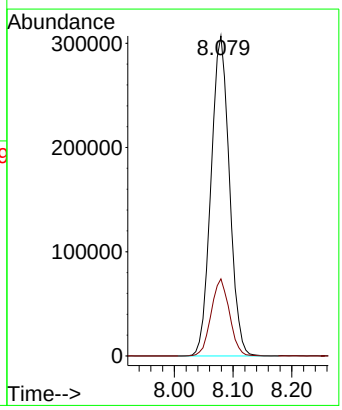
Supervised By :Mahesh Dadoda 04/23/2025

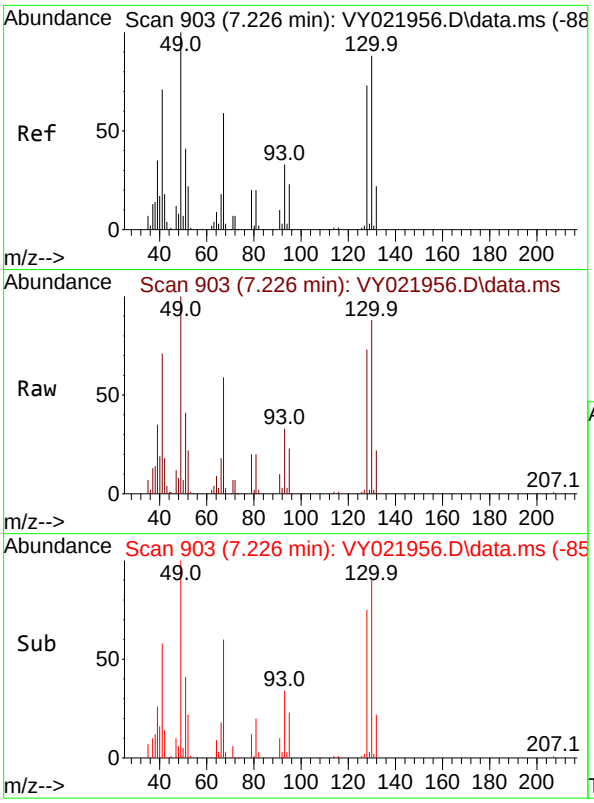


#40
Benzene
Concen: 48.179 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 78 Resp: 667899

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

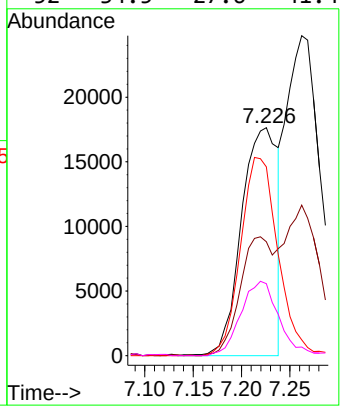




#41
Methacrylonitrile
Concen: 52.696 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 41 Resp: 4589

Ion	Ratio	Lower	Upper
41	100		
39	45.8	36.6	55.0
67	90.3	72.2	108.4
52	34.5	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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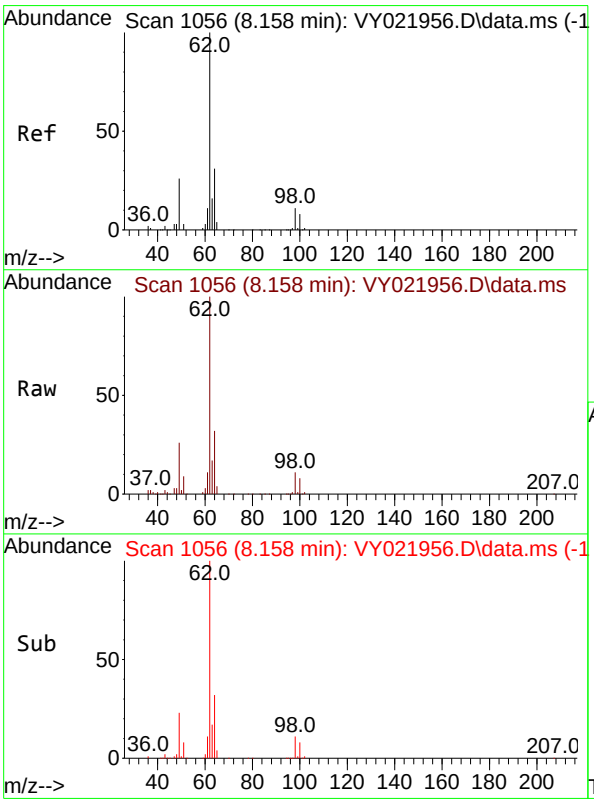
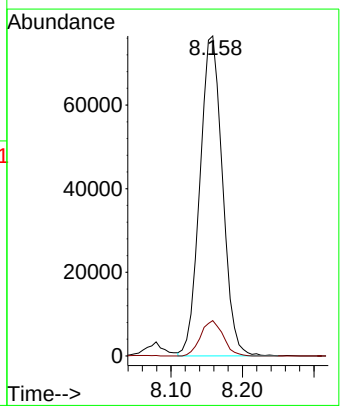
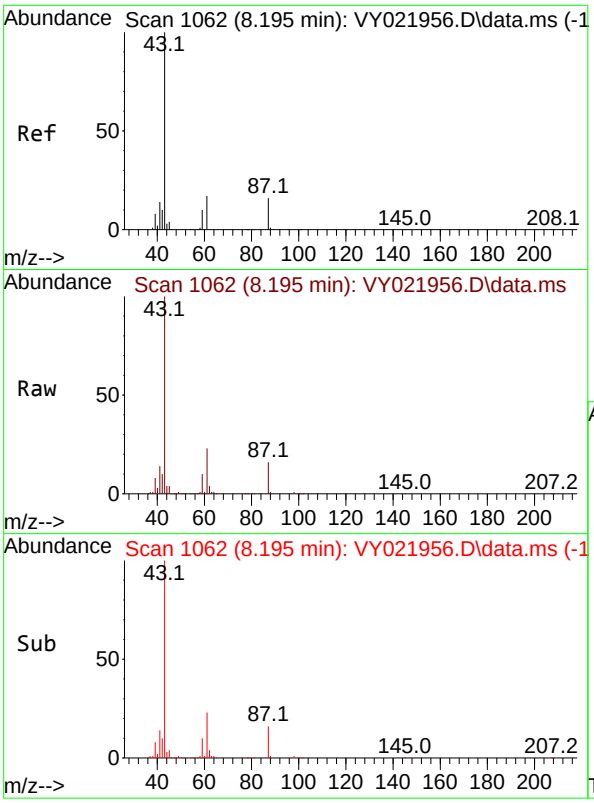


#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 62 Resp: 167612

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0





#43
Isopropyl Acetate
Concen: 50.948 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 15583

Ion	Ratio	Lower	Upper
43	100		
61	23.6	18.9	28.3
87	17.1	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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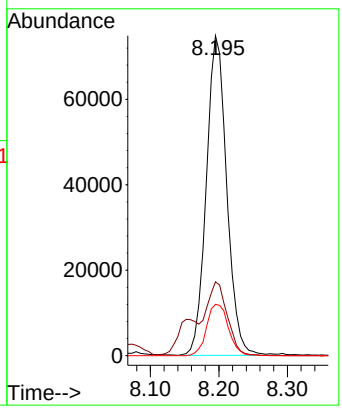
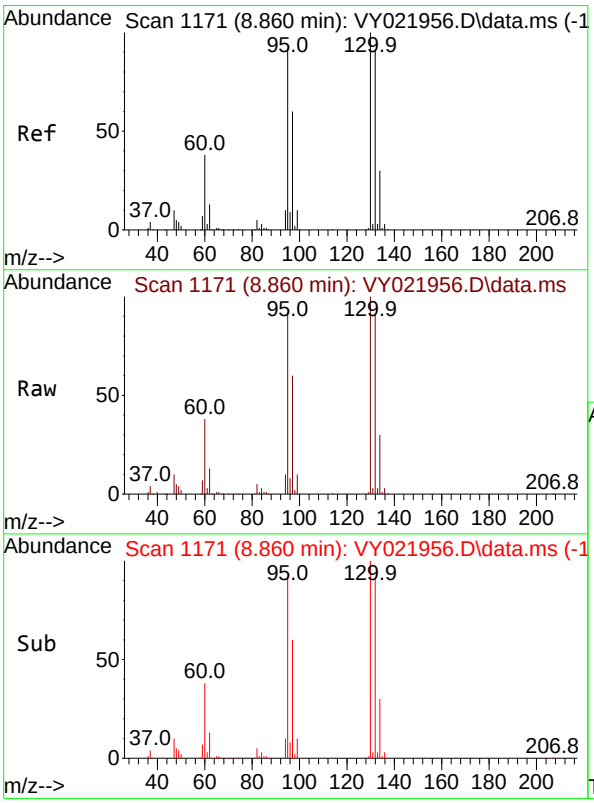
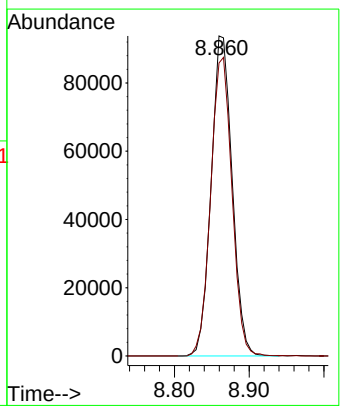


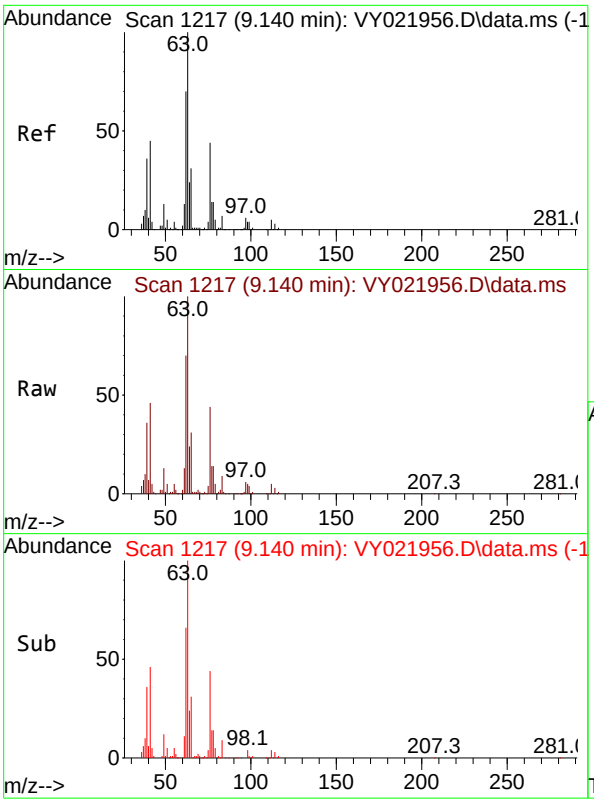


#44
Trichloroethene
Concen: 47.744 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:130 Resp: 183327

Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	183.2

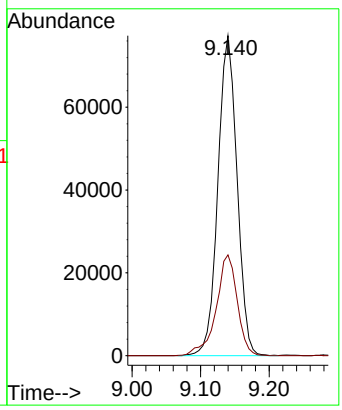




#45
1,2-Dichloropropane
Concen: 48.827 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 63 Resp: 14968

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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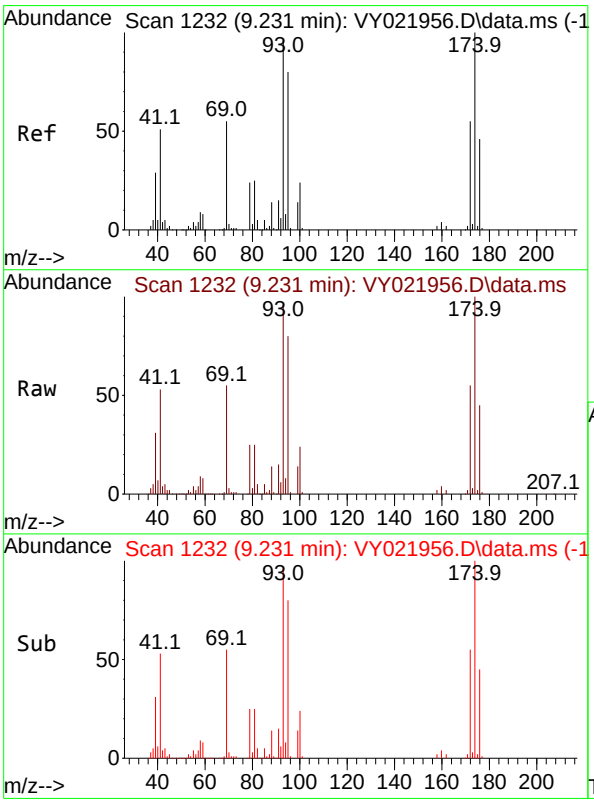
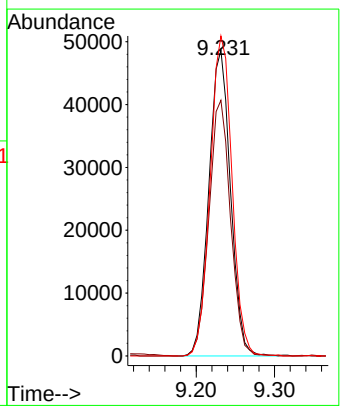
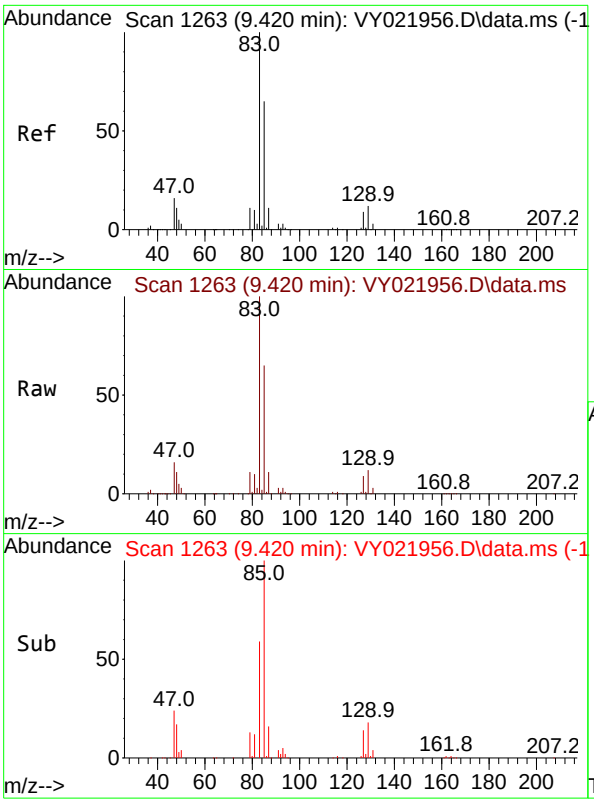


#46
Dibromomethane
Concen: 48.740 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 93 Resp: 93536

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	105.8	84.6	127.0

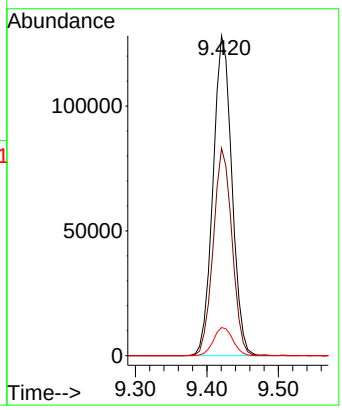




#47
Bromodichloromethane
Concen: 49.010 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 83 Resp: 23496

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.8	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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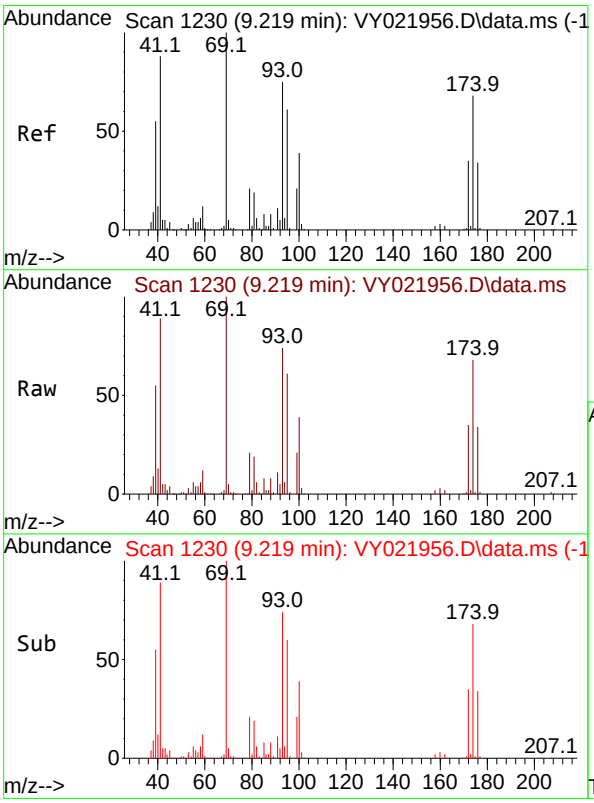
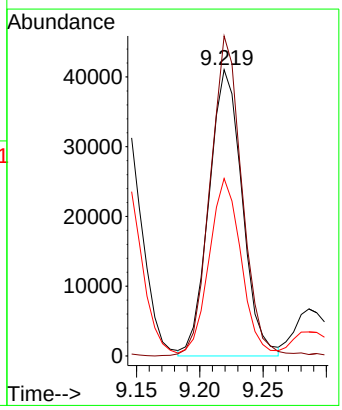
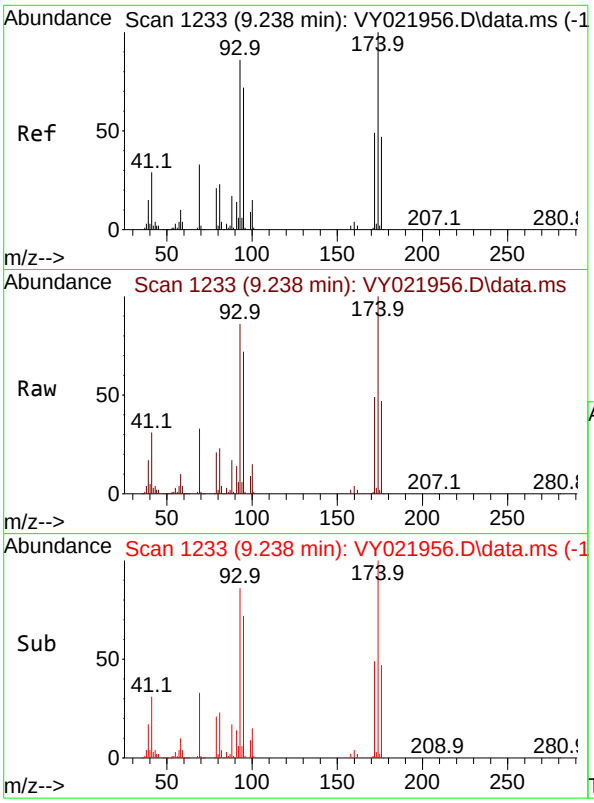


#48
Methyl methacrylate
Concen: 53.082 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 41 Resp: 75057

Ion	Ratio	Lower	Upper
41	100		
69	106.9	85.5	128.3
39	57.8	46.2	69.4





#49
1,4-Dioxane
Concen: 992.601 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 88 Resp: 2030

Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.3	31.9
58	63.1	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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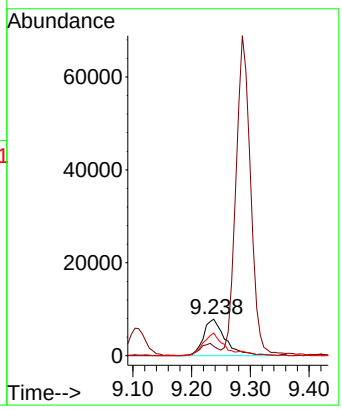
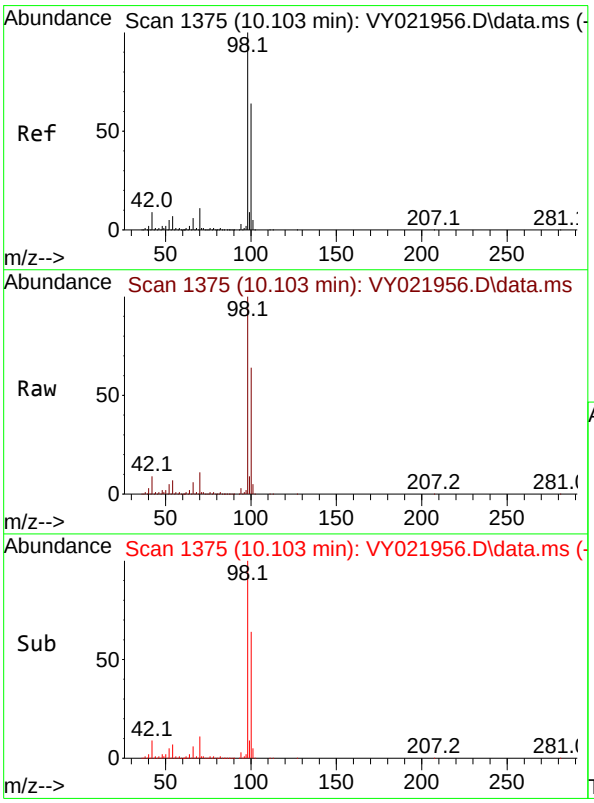
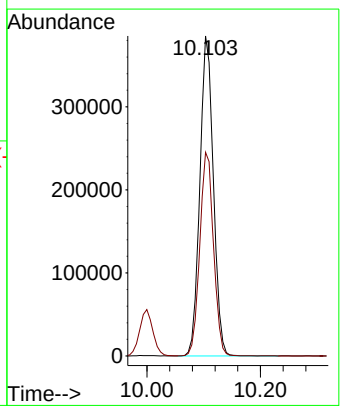


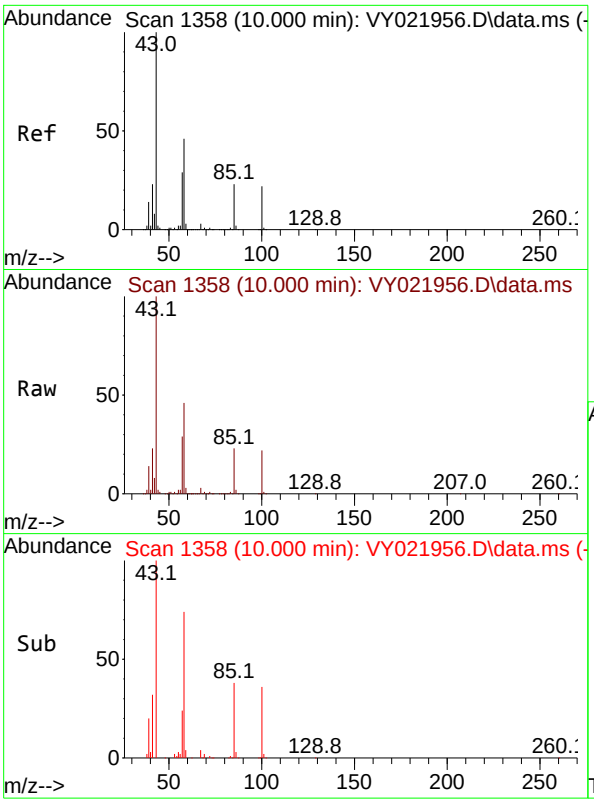


#50
Toluene-d8
Concen: 51.241 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 98 Resp: 637767

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

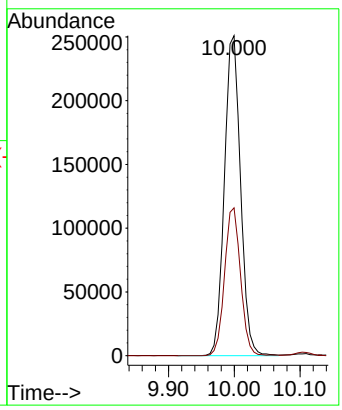




#51
4-Methyl-2-Pentanone
Concen: 267.326 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 42863

Ion	Ratio	Lower	Upper
43	100		
58	45.8	36.6	55.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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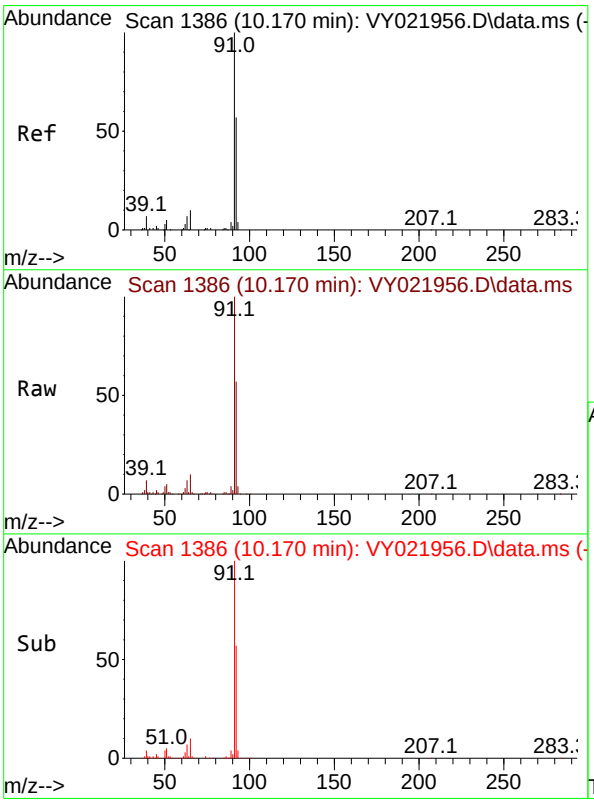
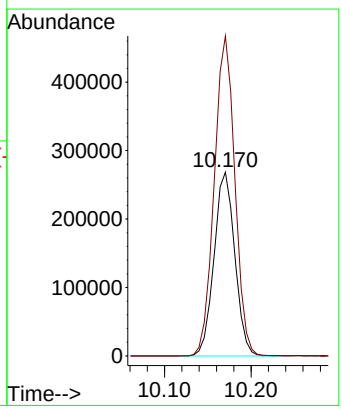
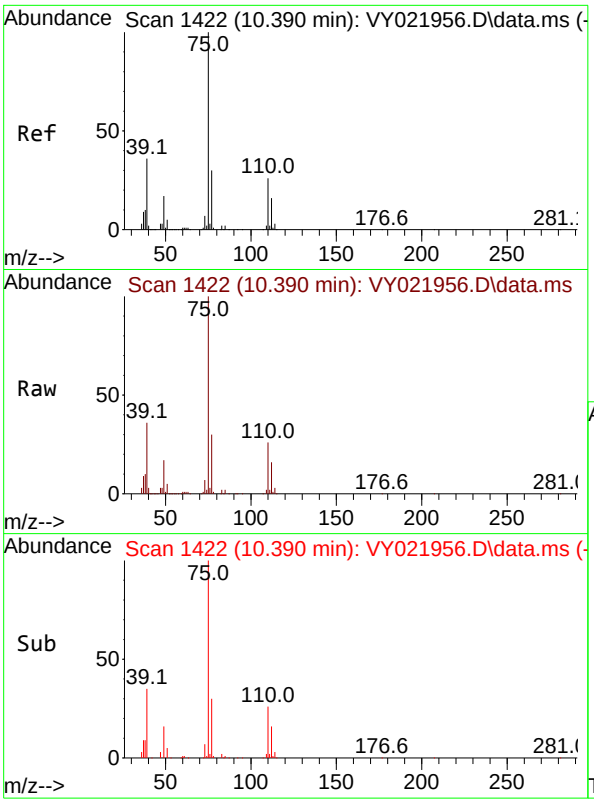


#52
Toluene
Concen: 49.760 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 92 Resp: 446525

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8

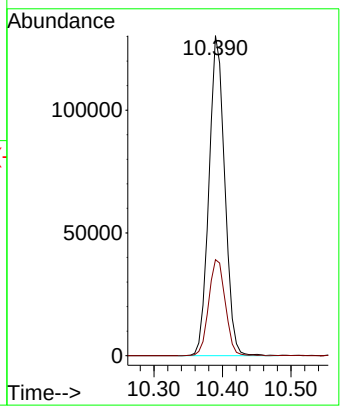




#53
t-1,3-Dichloropropene
Concen: 50.698 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 20847

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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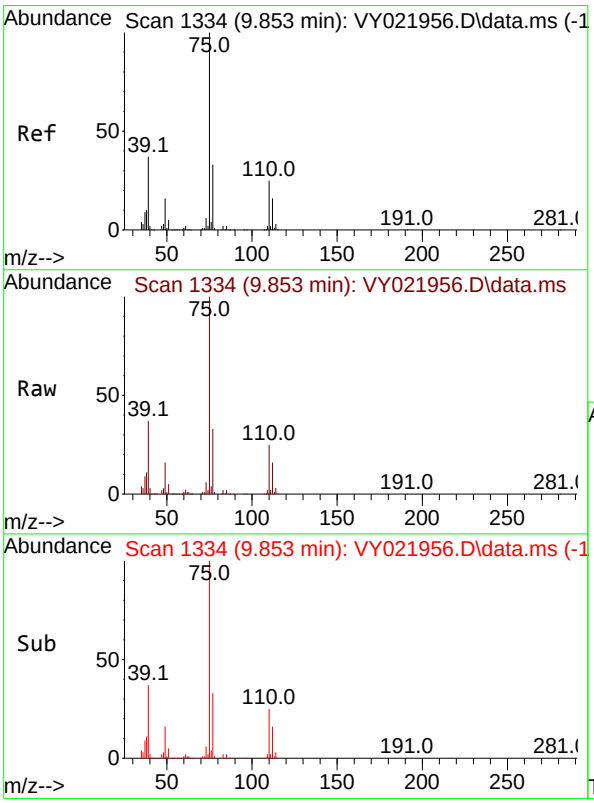
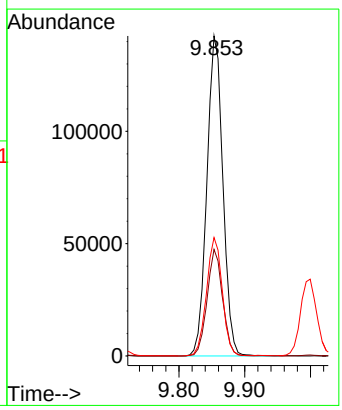
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

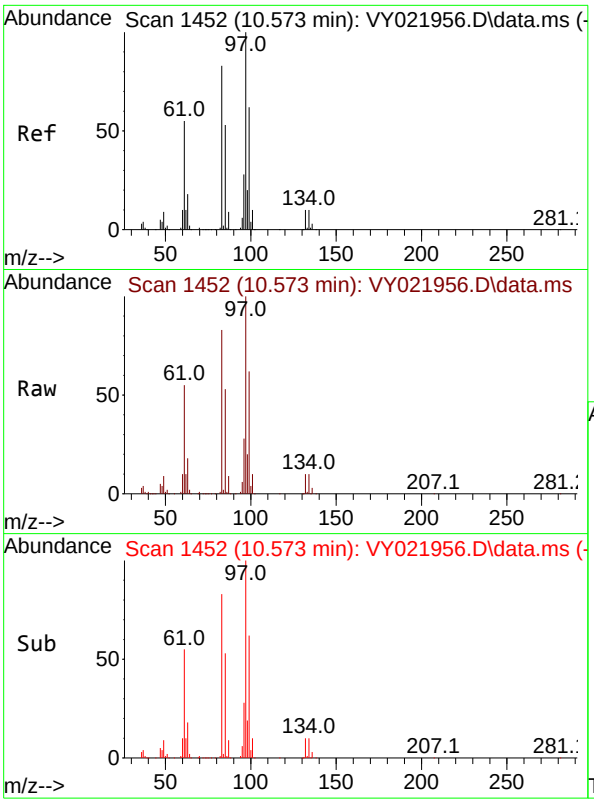


#54
cis-1,3-Dichloropropene
Concen: 49.432 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 241637

Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.6	40.0
39	37.0	29.6	44.4

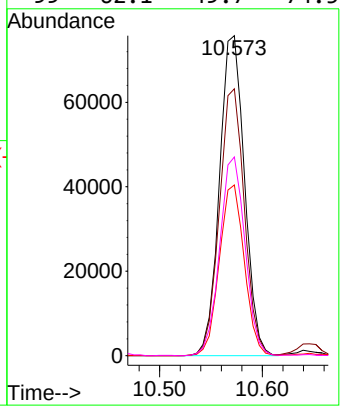




#55
1,1,2-Trichloroethane
Concen: 49.965 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 97 Resp: 12808

Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.7	100.1
85	53.3	42.6	64.0
99	62.1	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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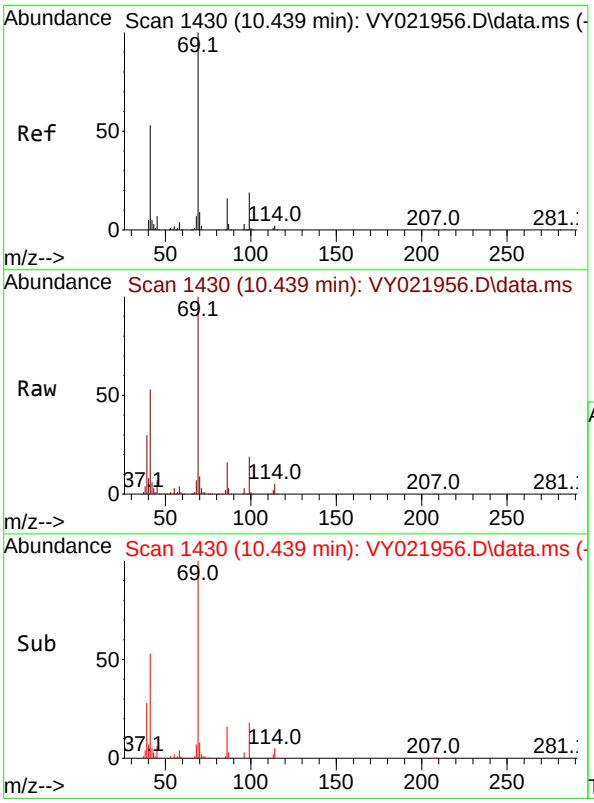
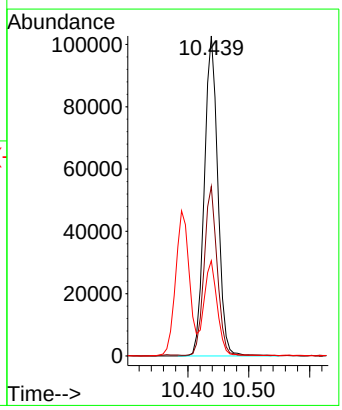
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

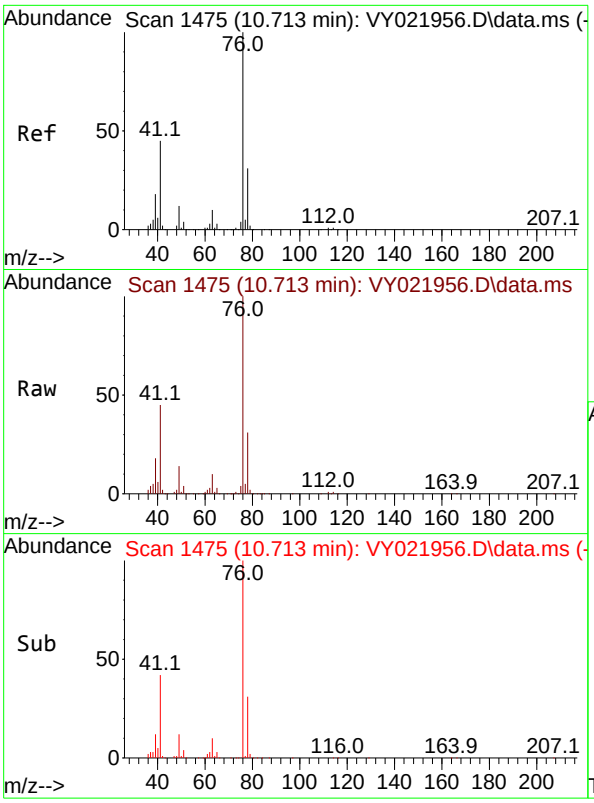


#56
Ethyl methacrylate
Concen: 53.893 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 69 Resp: 157986

Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	29.1	23.3	34.9

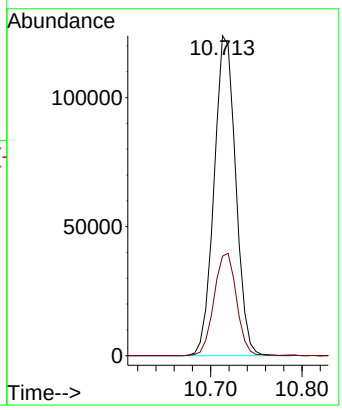




#57
1,3-Dichloropropane
Concen: 49.688 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 76 Resp: 20419

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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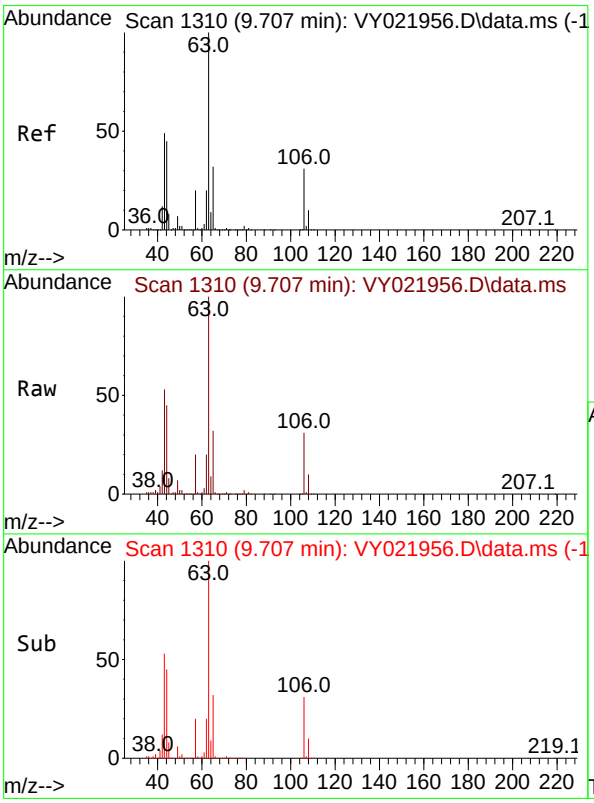
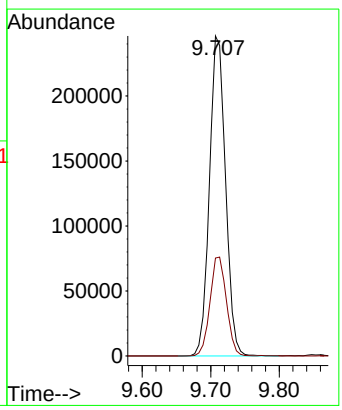
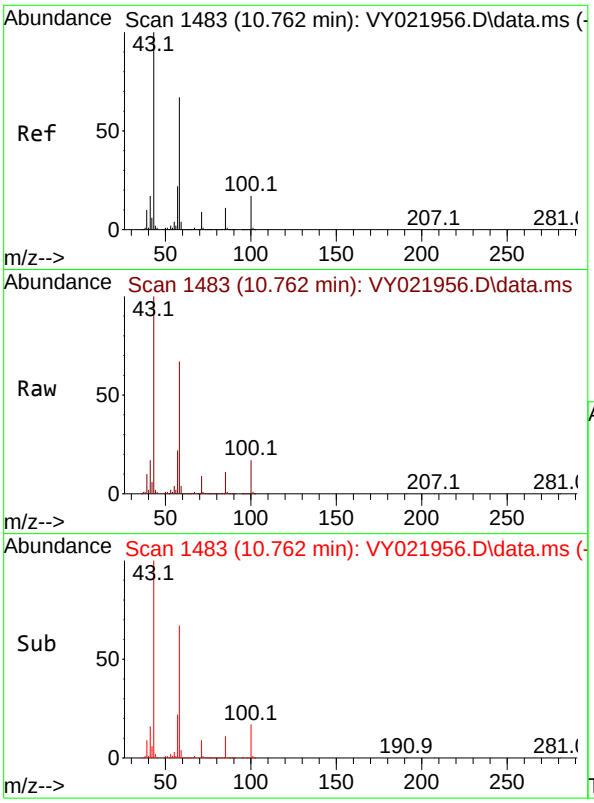


#58
2-Chloroethyl Vinyl ether
Concen: 279.797 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 63 Resp: 401030

Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.3	37.9

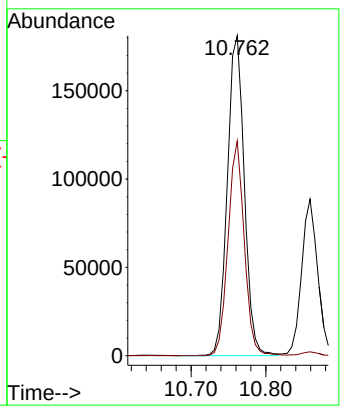




#59
2-Hexanone
Concen: 271.141 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 28675

Ion	Ratio	Lower	Upper
43	100		
58	64.0	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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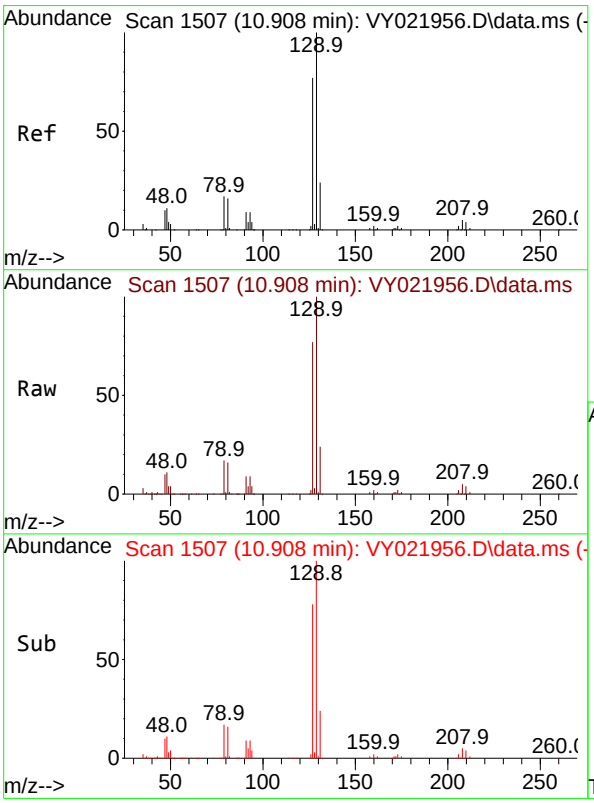
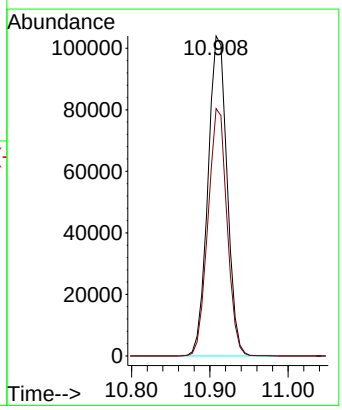
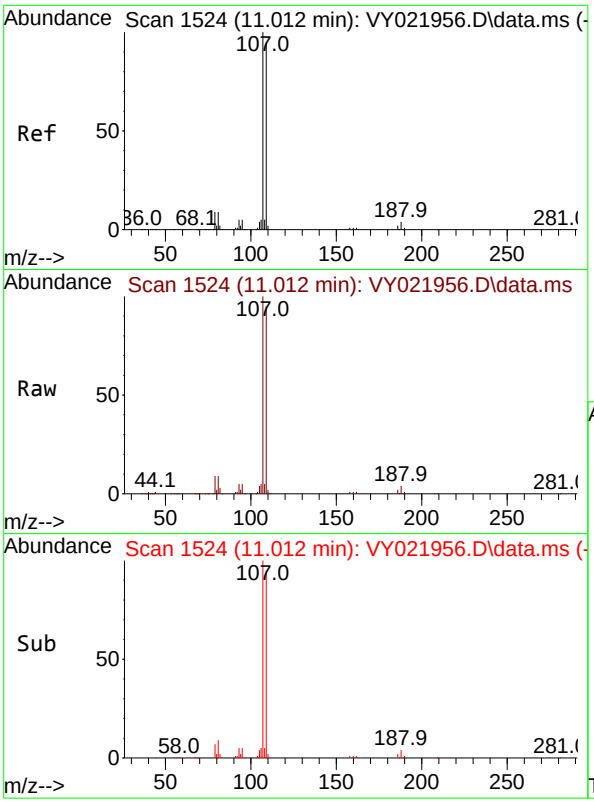


#60
Dibromochloromethane
Concen: 49.624 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:129 Resp: 176120

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3

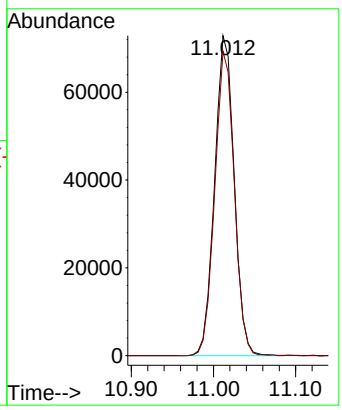




#61
1,2-Dibromoethane
Concen: 49.835 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:107 Resp: 12060

Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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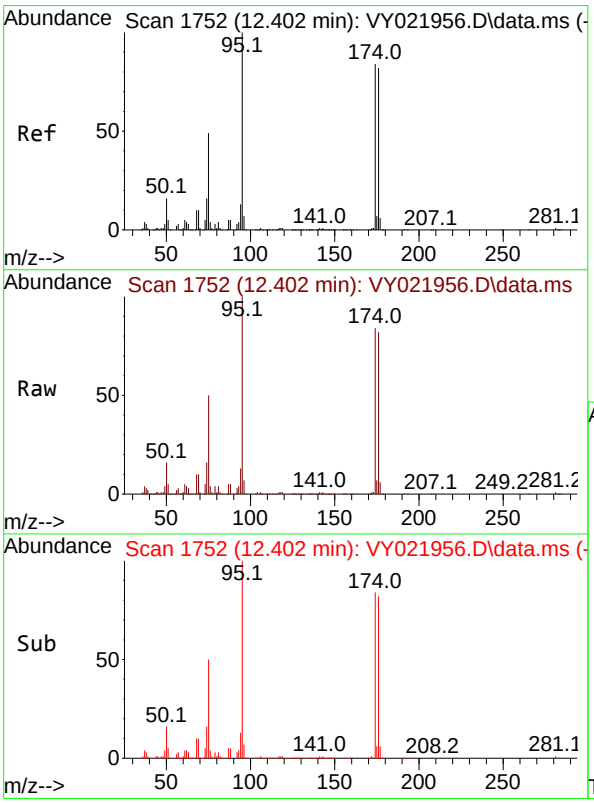
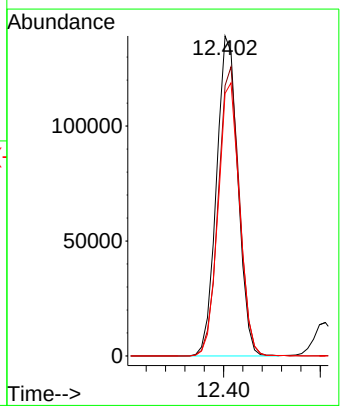
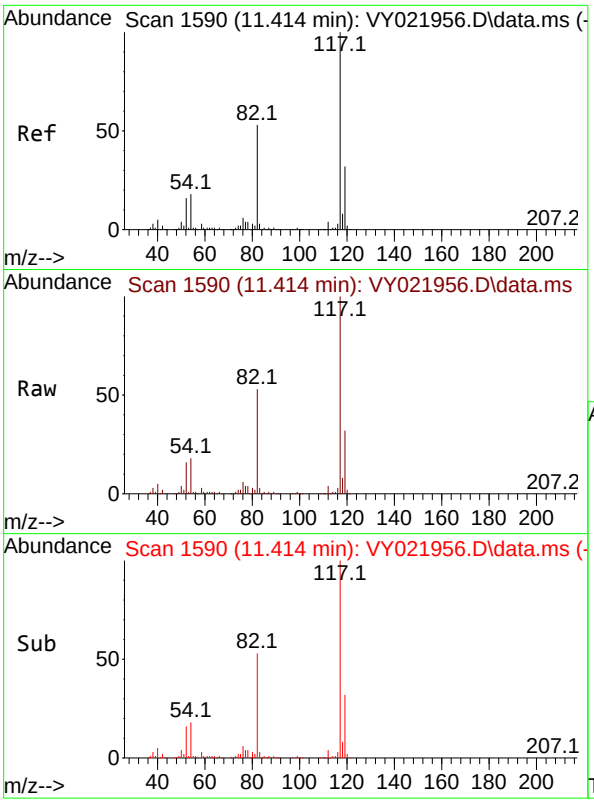


#62
4-Bromofluorobenzene
Concen: 50.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 95 Resp: 212936

Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	179.0
176	85.9	0.0	171.8

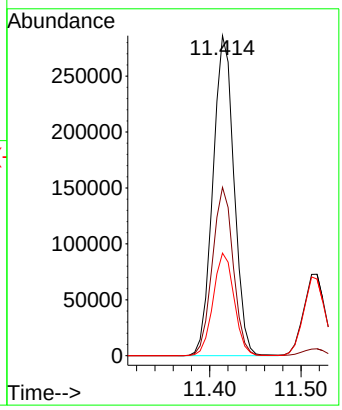




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:117 Resp: 45850

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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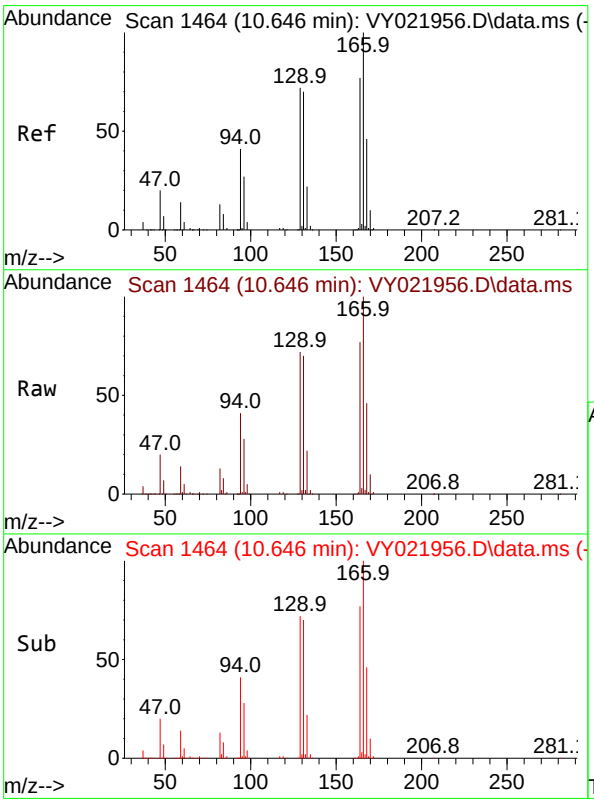
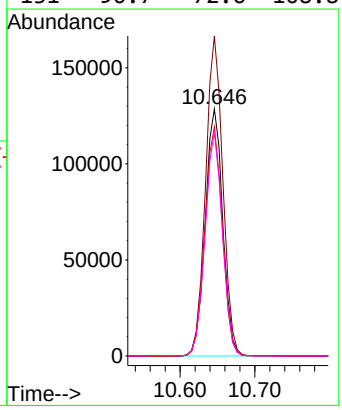
Supervised By :Mahesh Dadoda 04/23/2025

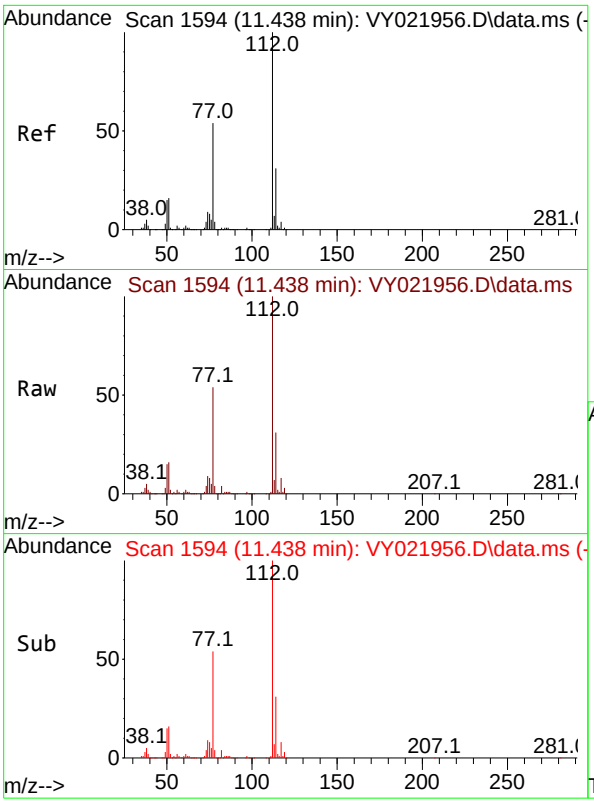


#64
Tetrachloroethene
Concen: 48.263 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:164 Resp: 208756

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	92.8	74.2	111.4
131	90.7	72.6	108.8

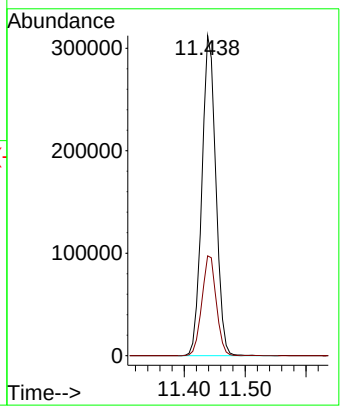




#65
Chlorobenzene
Concen: 48.437 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:112 Resp: 49664

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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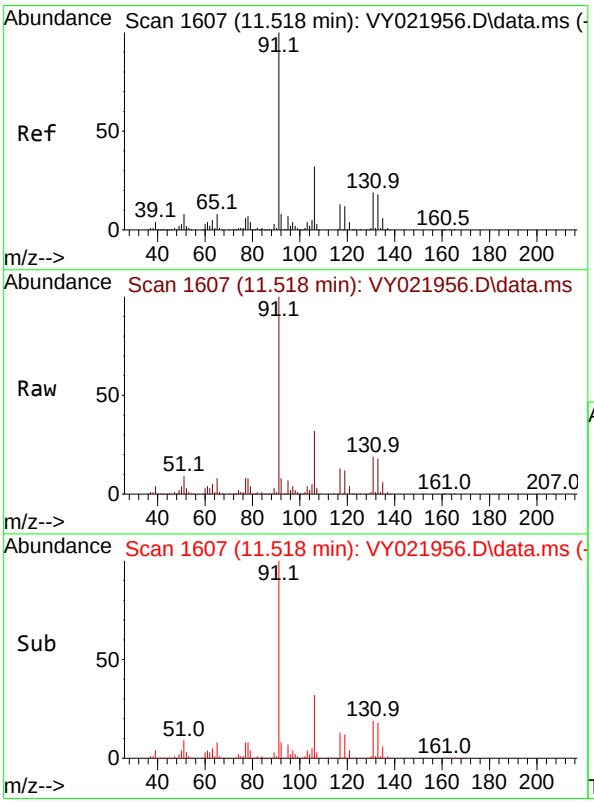
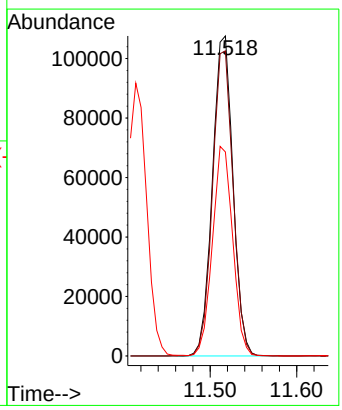
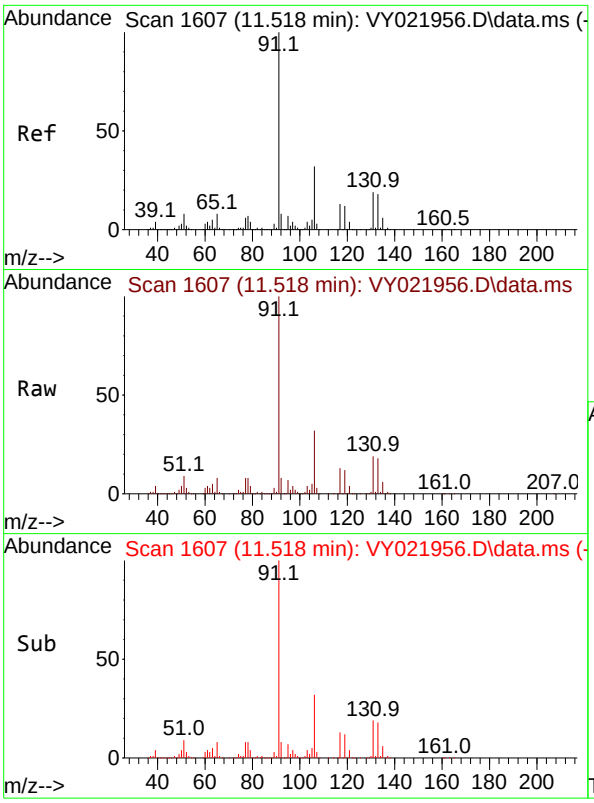


#66
1,1,1,2-Tetrachloroethane
Concen: 49.075 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:131 Resp: 177151

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	64.7	32.4	97.0

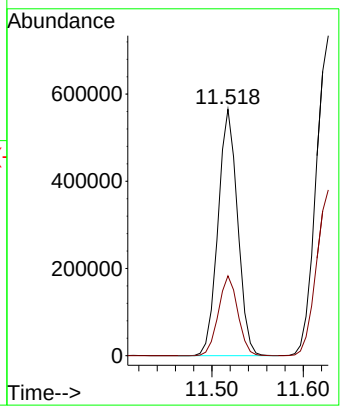




#67
Ethyl Benzene
Concen: 50.163 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 84138

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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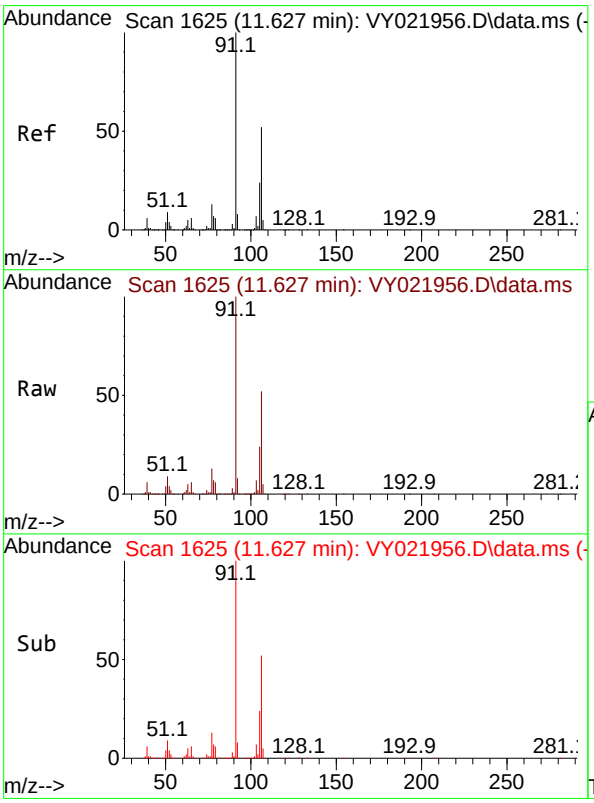
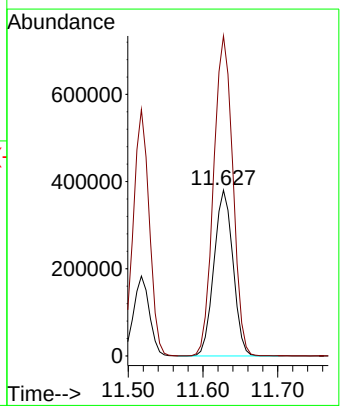
Supervised By :Mahesh Dadoda 04/23/2025

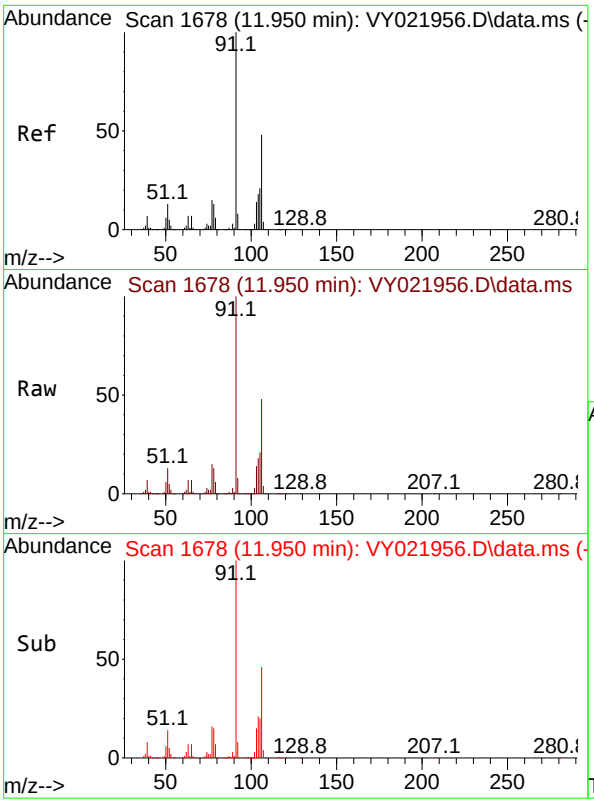


#68
m/p-Xylenes
Concen: 100.858 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:106 Resp: 673159

Ion	Ratio	Lower	Upper
106	100		
91	195.2	156.2	234.2





#69
o-Xylene
Concen: 51.325 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:106 Resp: 31573

Ion	Ratio	Lower	Upper
106	100		
91	205.9	103.0	308.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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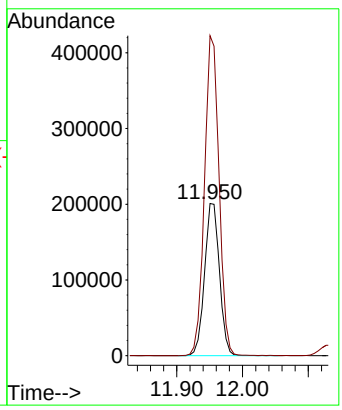
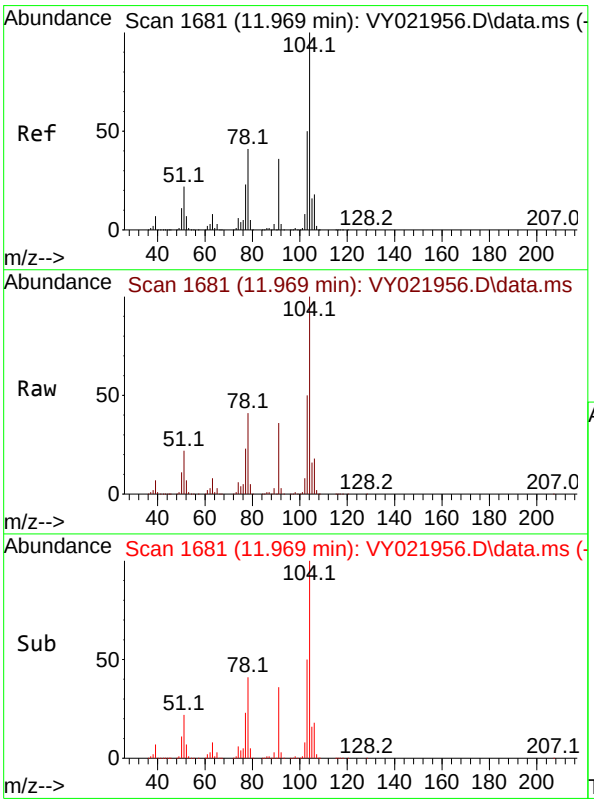
Supervised By :Mahesh Dadoda 04/23/2025

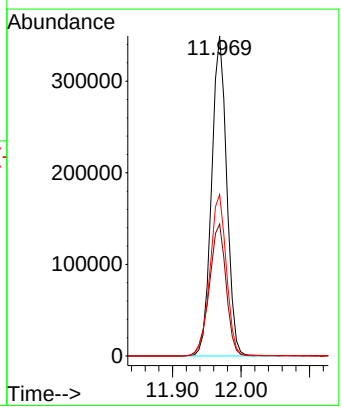


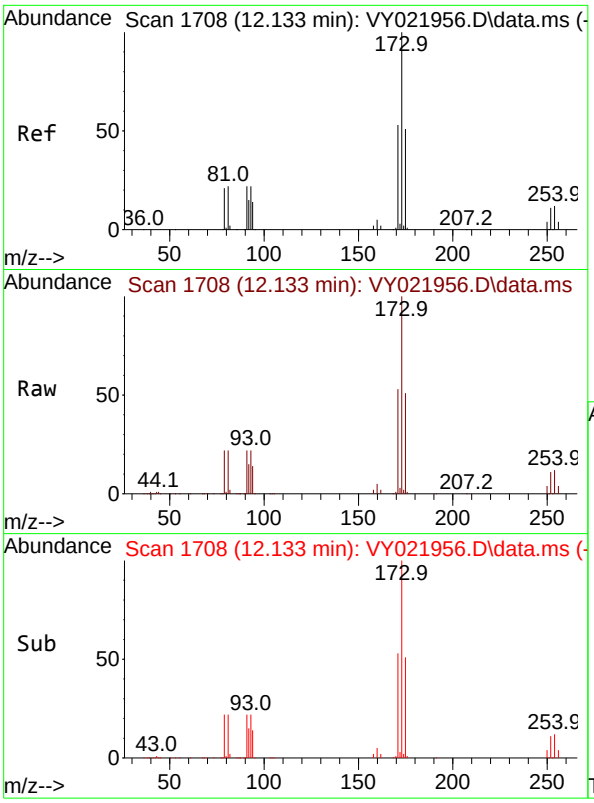


#70
Styrene
Concen: 51.890 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:104 Resp: 535957

Ion	Ratio	Lower	Upper
104	100		
78	45.7	36.6	54.8
103	54.8	43.8	65.8

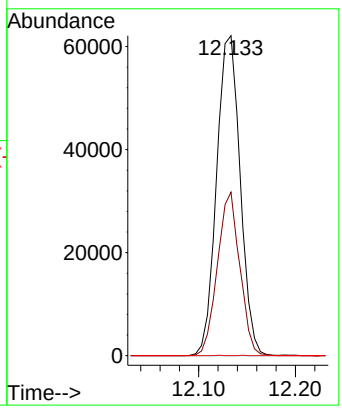




#71
Bromoform
Concen: 50.110 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:173 Resp: 10516

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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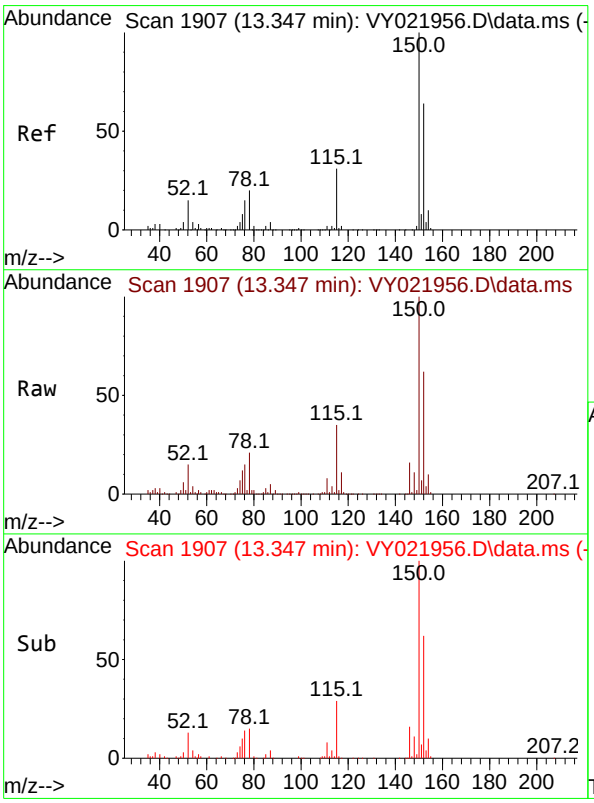
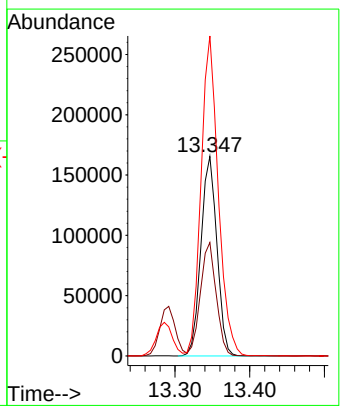
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

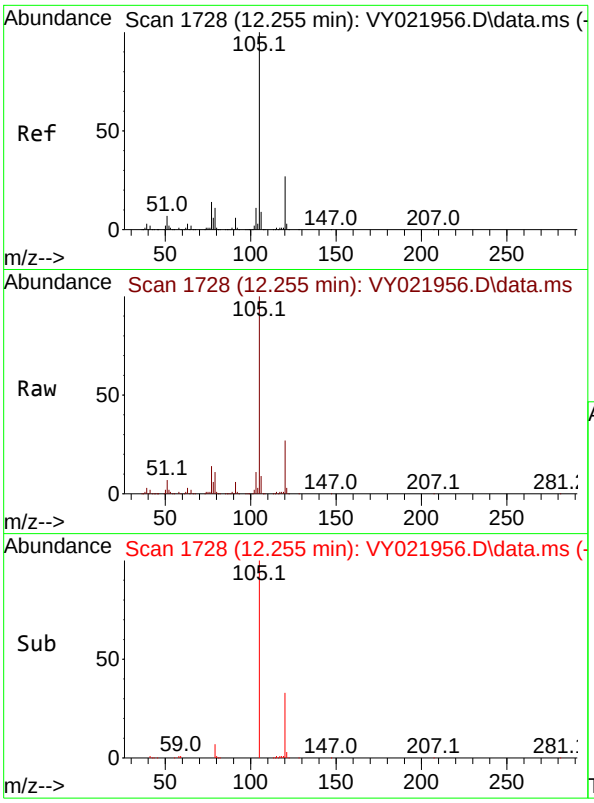


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:152 Resp: 245926

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	172.8	0.0	345.6





#73
Isopropylbenzene
Concen: 49.770 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 81774

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
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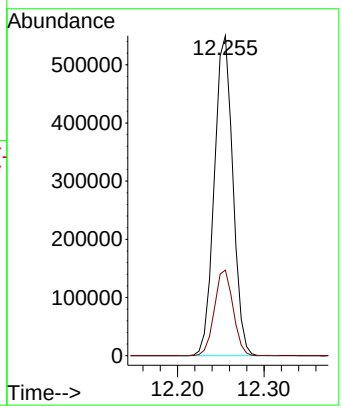
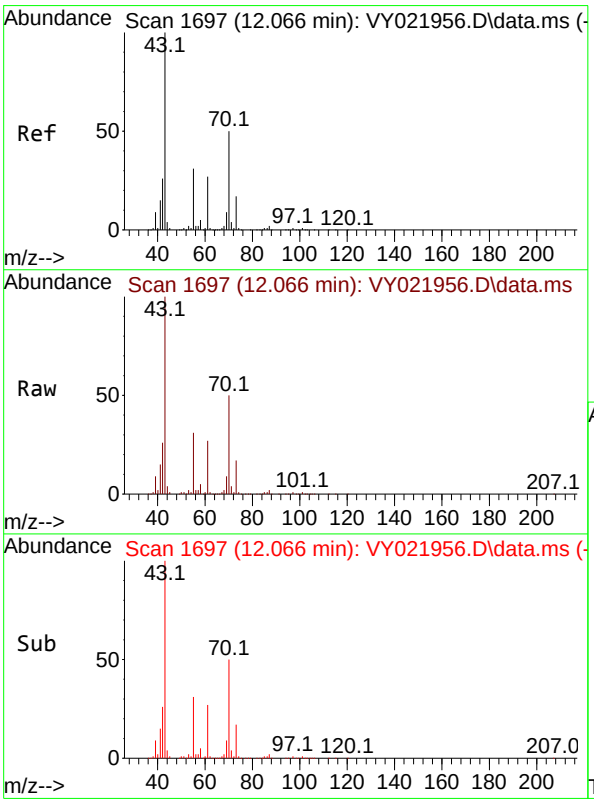
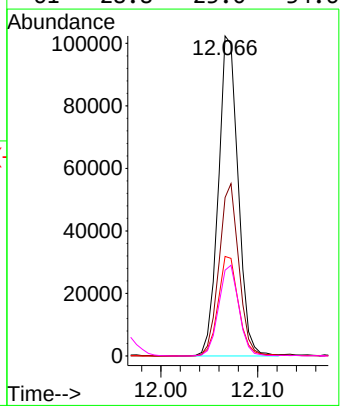


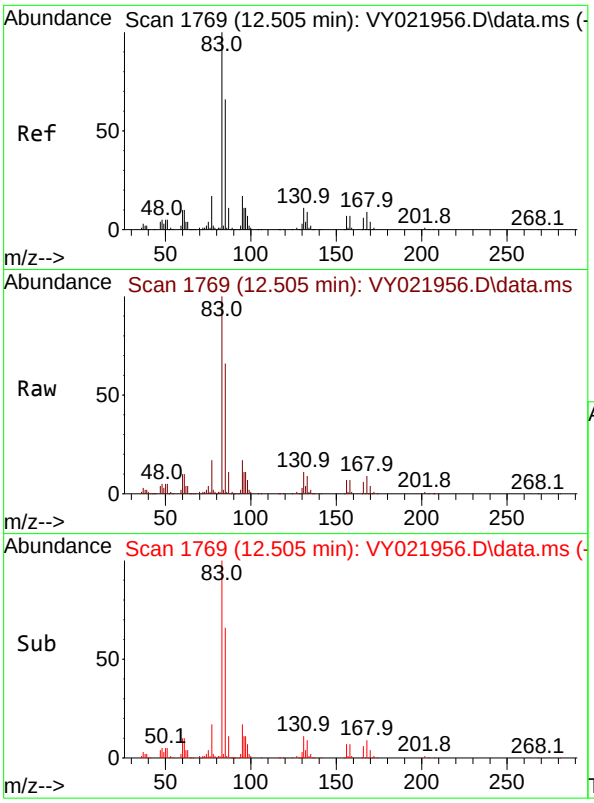


#74
N-amyl acetate
Concen: 51.512 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 145415

Ion	Ratio	Lower	Upper
43	100		
70	54.0	43.2	64.8
55	32.1	25.7	38.5
61	28.8	23.0	34.6

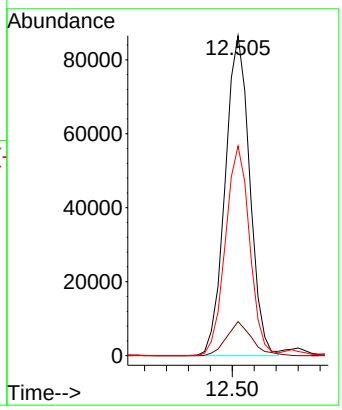




#75
1,1,2,2-Tetrachloroethane
Concen: 48.682 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 83 Resp: 13485

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.5	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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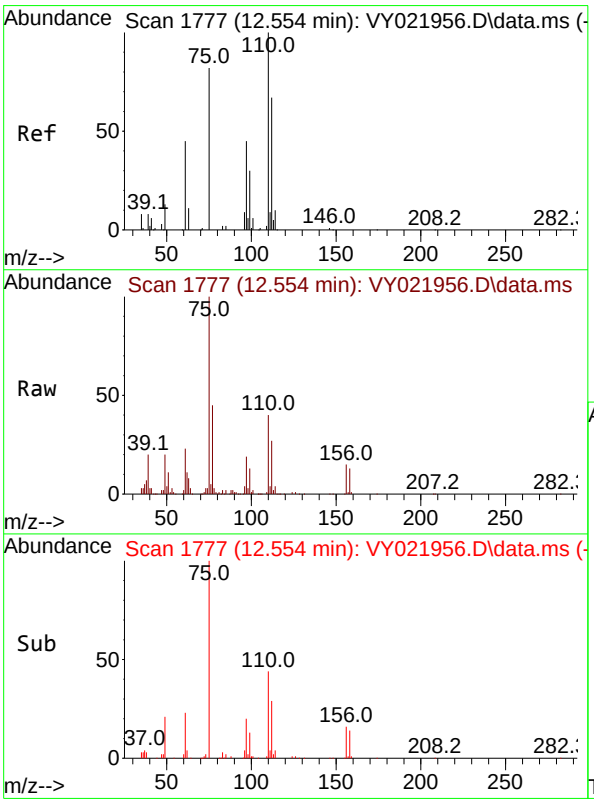
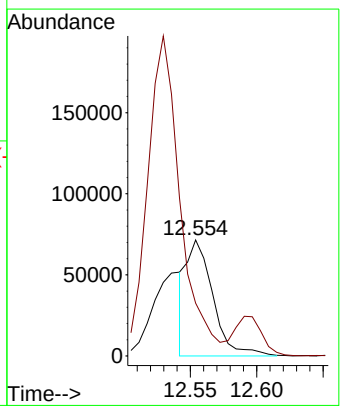
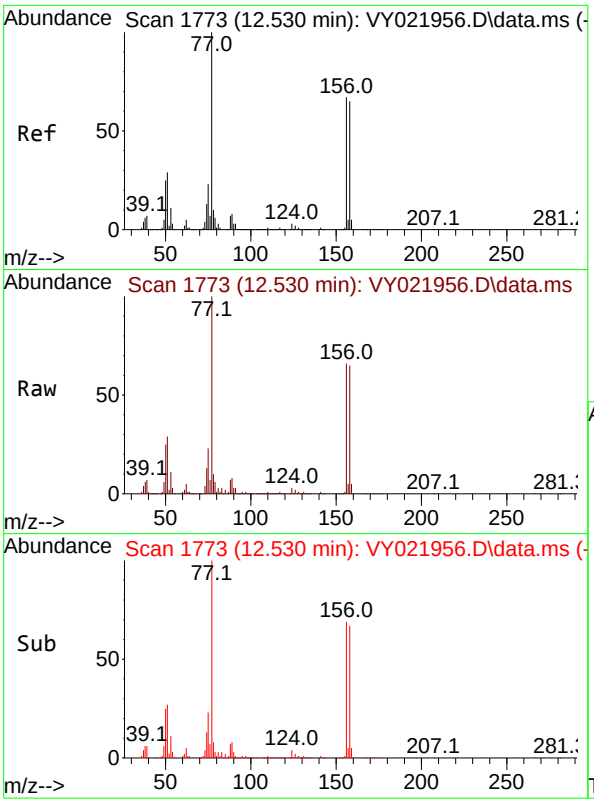


#76
1,2,3-Trichloropropane
Concen: 45.999 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 99679

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

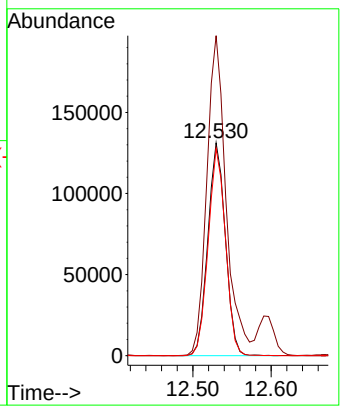




#77
Bromobenzene
Concen: 49.021 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:156 Resp: 20352

Ion	Ratio	Lower	Upper
156	100		
77	165.4	82.7	248.1
158	96.3	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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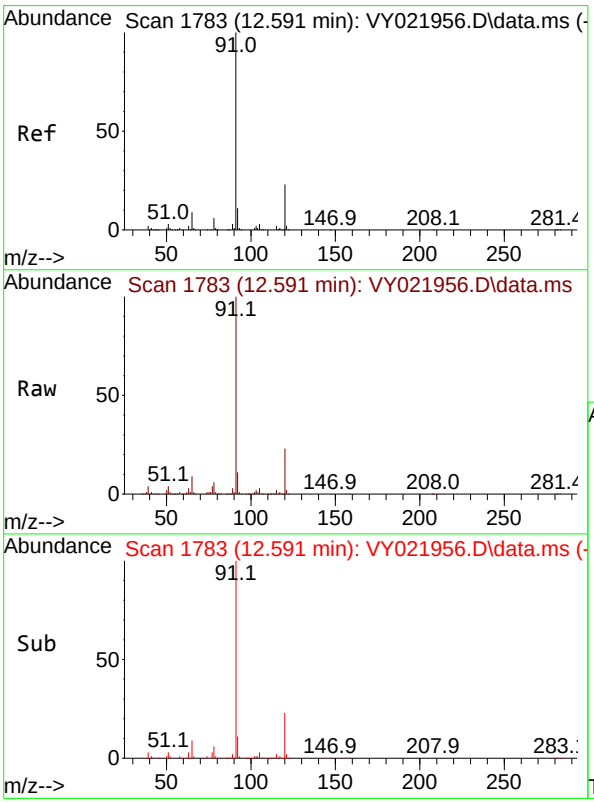
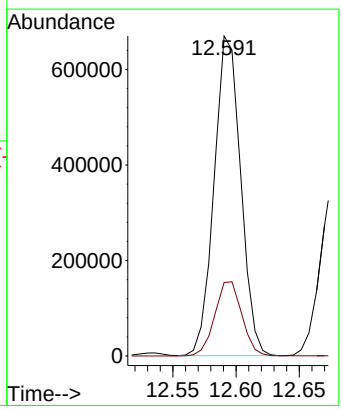
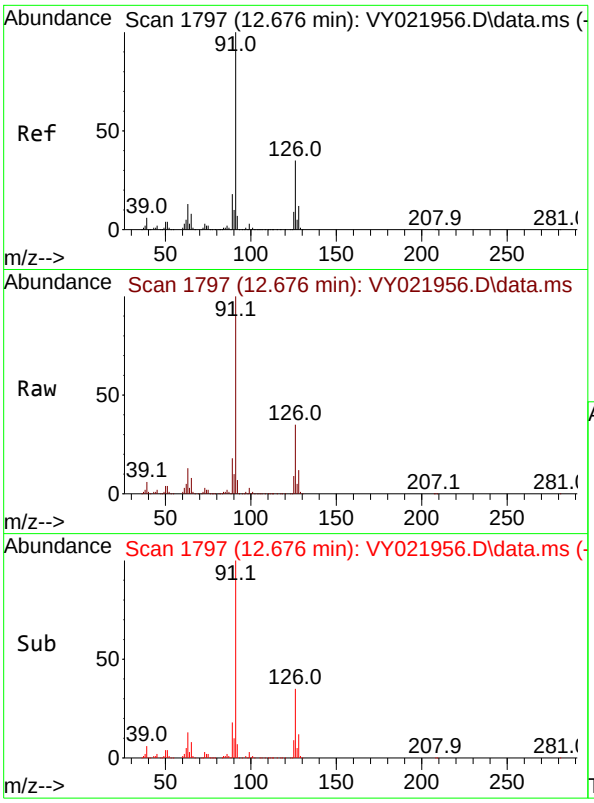


#78
n-propylbenzene
Concen: 49.981 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 977958

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5

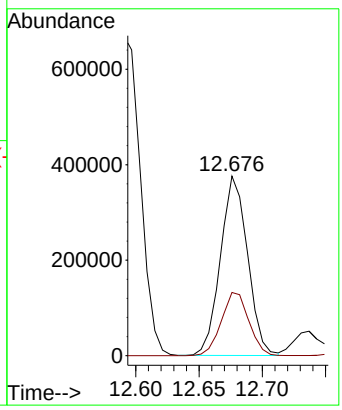




#79
2-Chlorotoluene
Concen: 49.283 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 56080

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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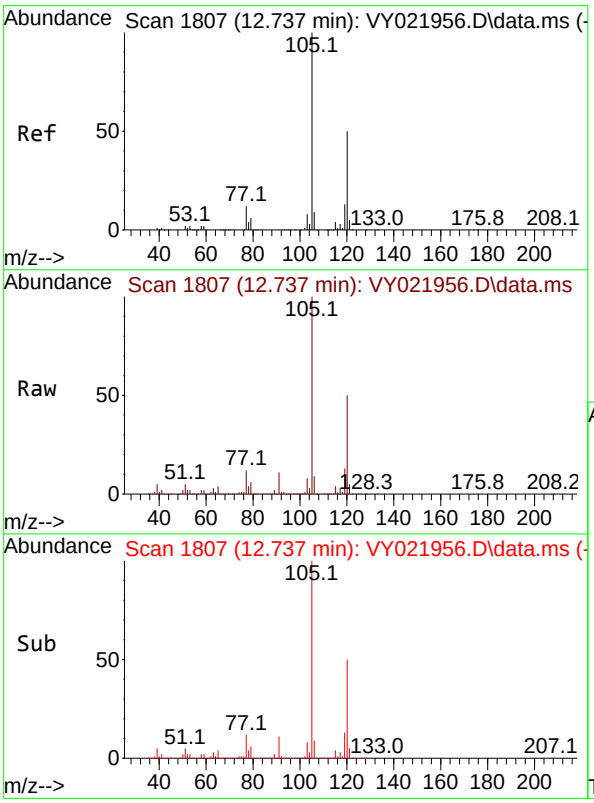
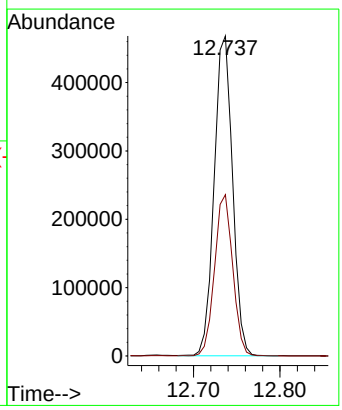
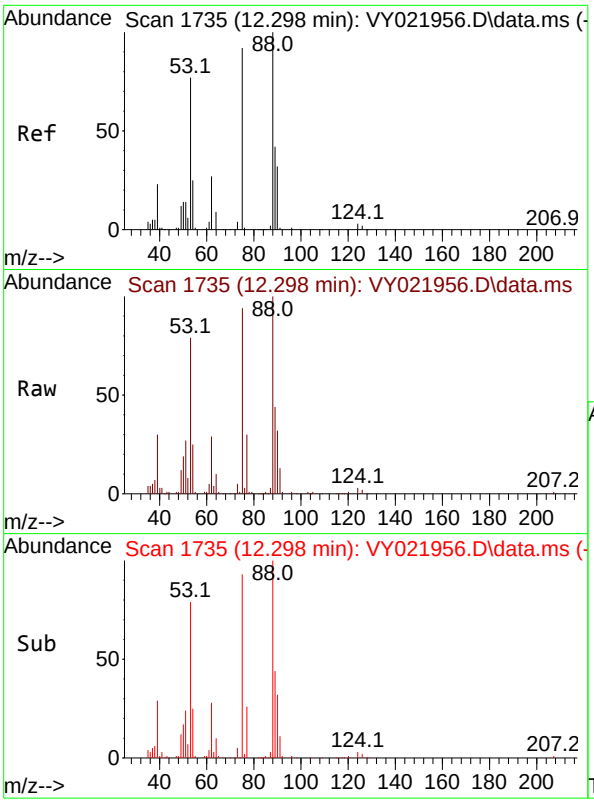


#80
1,3,5-Trimethylbenzene
Concen: 50.863 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 688578

Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 49.698 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 4347

Ion	Ratio	Lower	Upper
75	100		
53	82.5	66.0	99.0
89	46.5	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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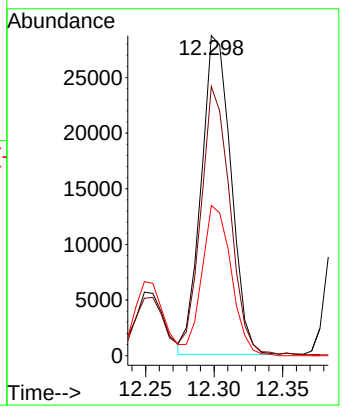
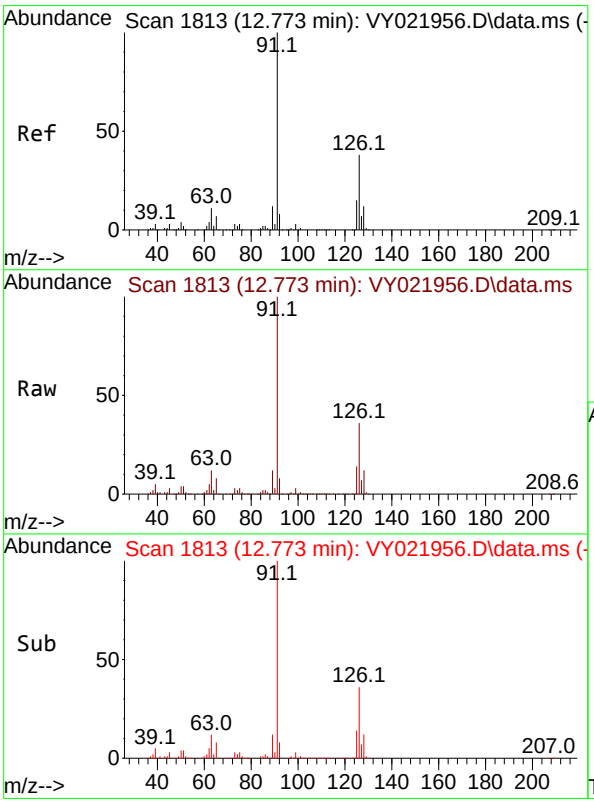
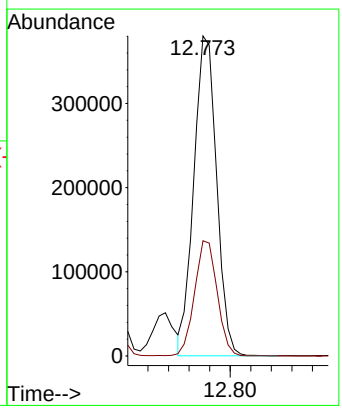


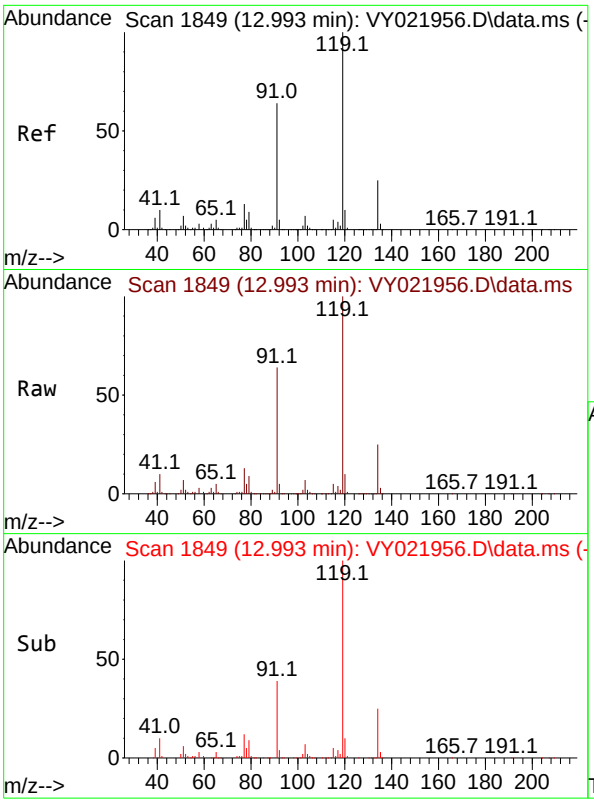


#82
4-Chlorotoluene
Concen: 49.478 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 585277

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8





#83
tert-Butylbenzene
Concen: 50.513 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:119 Resp: 61329

Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.3	90.9
134	25.8	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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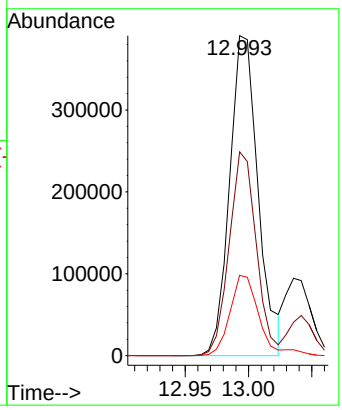
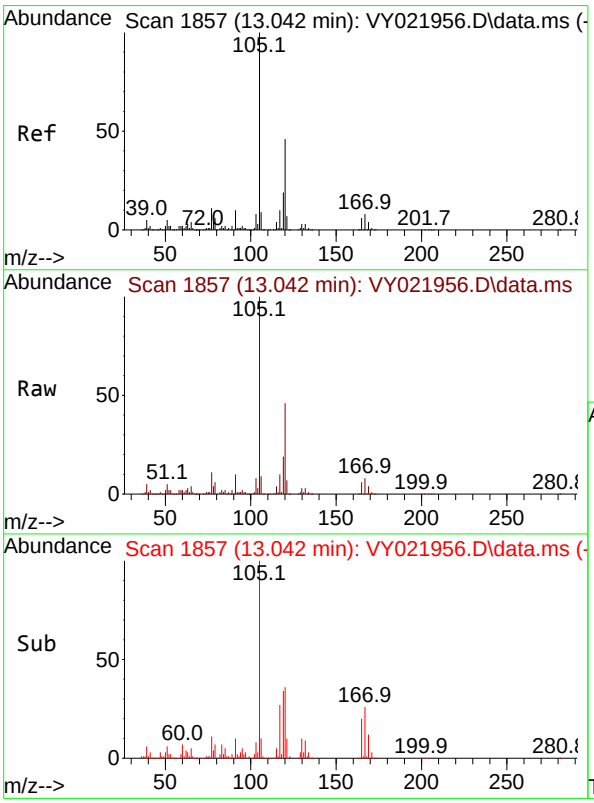
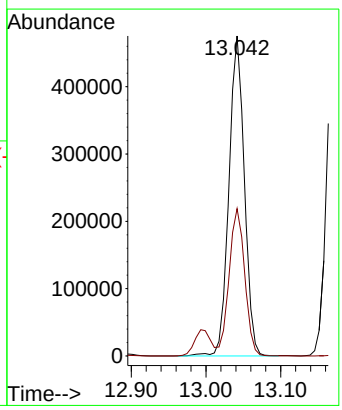


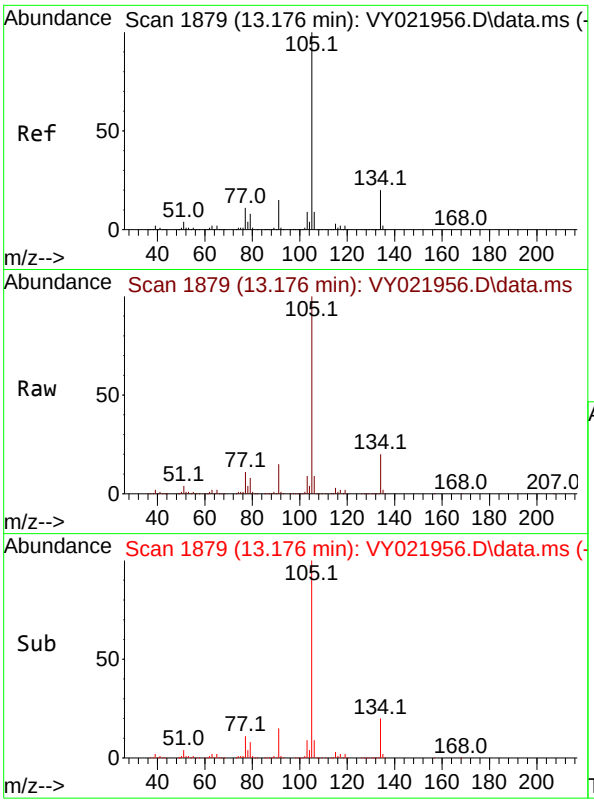


#84
1,2,4-Trimethylbenzene
Concen: 50.560 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 684634

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0





#85
sec-Butylbenzene
Concen: 49.857 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 88579

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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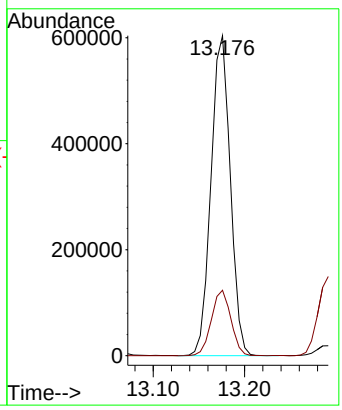
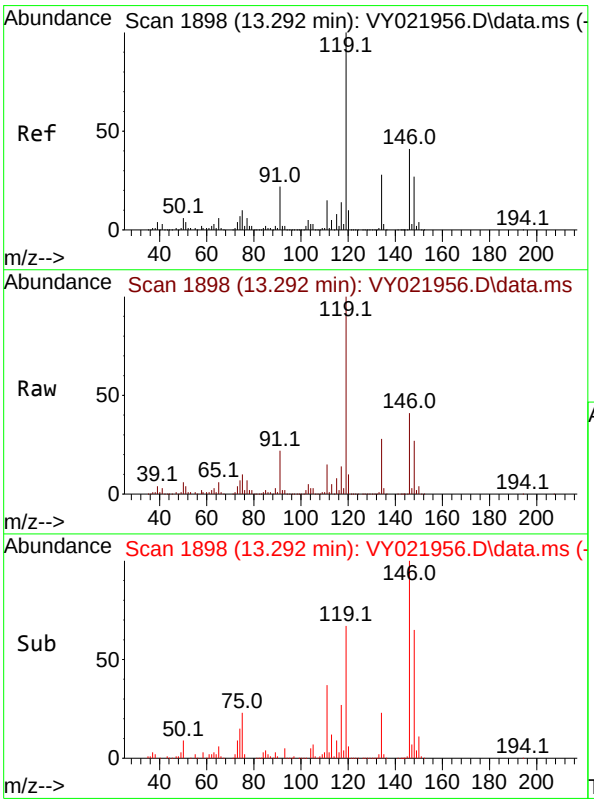
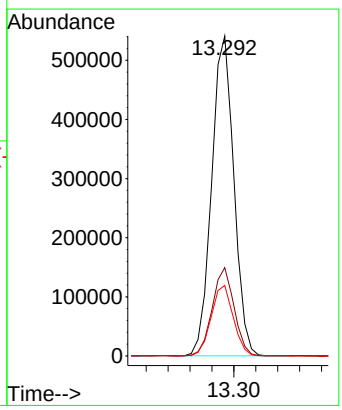


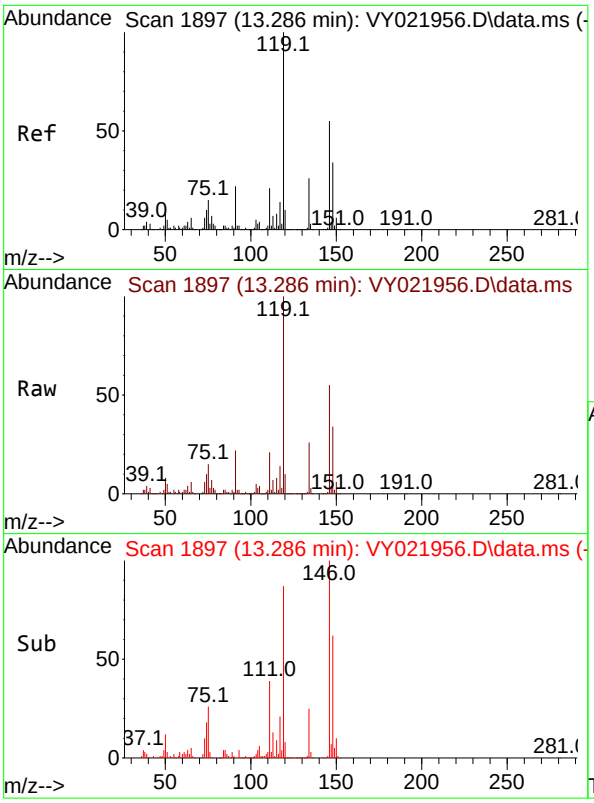


#86
p-Isopropyltoluene
Concen: 50.431 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:119 Resp: 760829

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	22.0	11.0	33.0

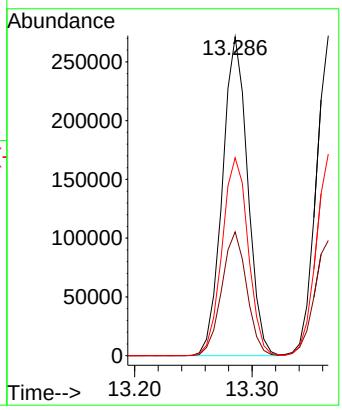




#87
1,3-Dichlorobenzene
Concen: 48.048 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:146 Resp: 40515

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.1	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
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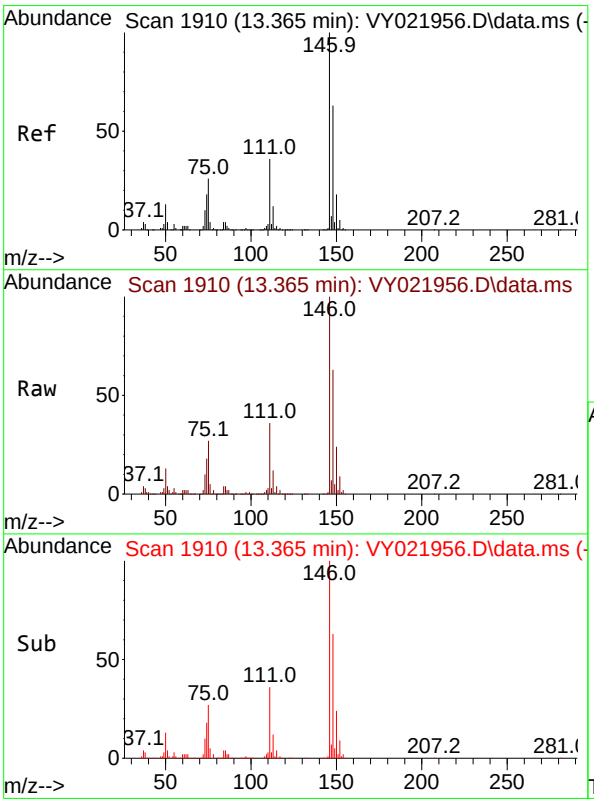
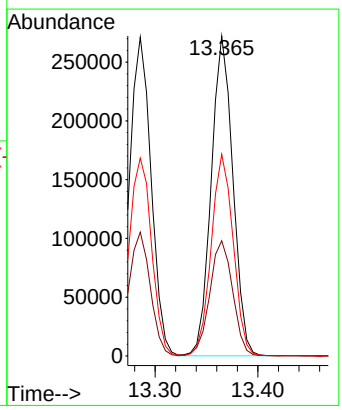
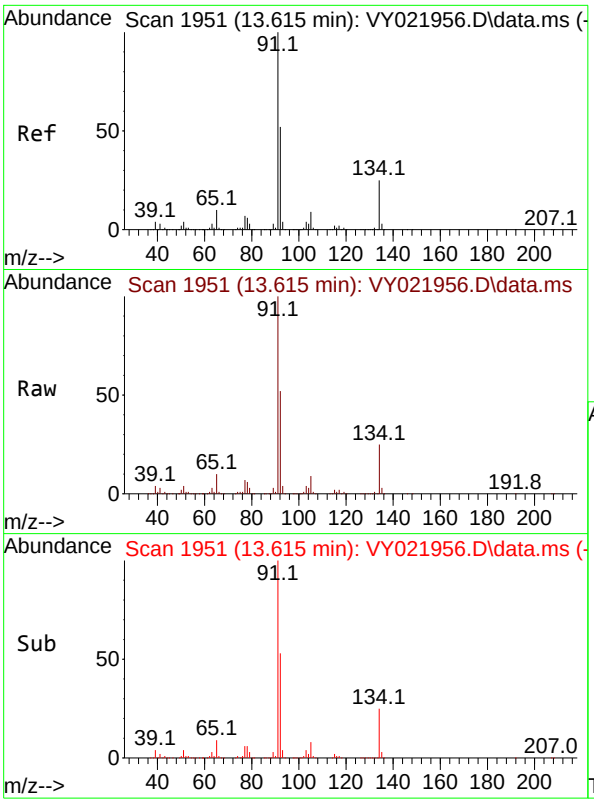


#88
1,4-Dichlorobenzene
Concen: 47.697 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:146 Resp: 398336

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.0	32.0	96.0

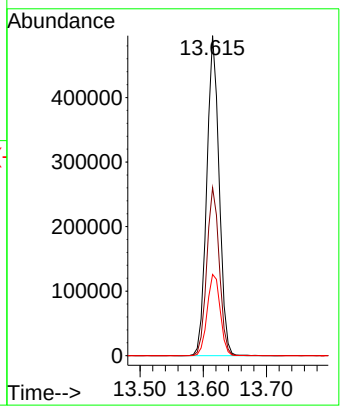




#89
n-Butylbenzene
Concen: 50.008 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 67434

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	26.7	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

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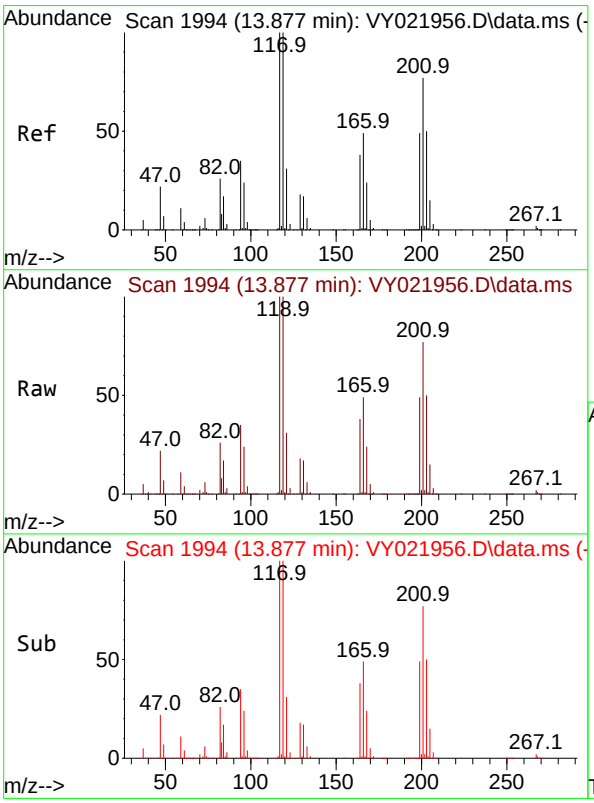
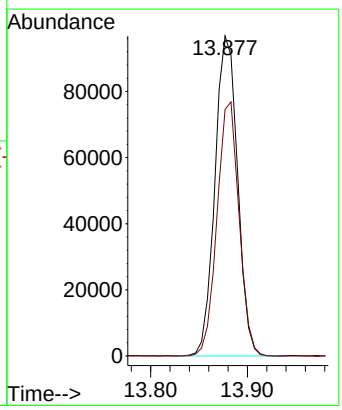
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

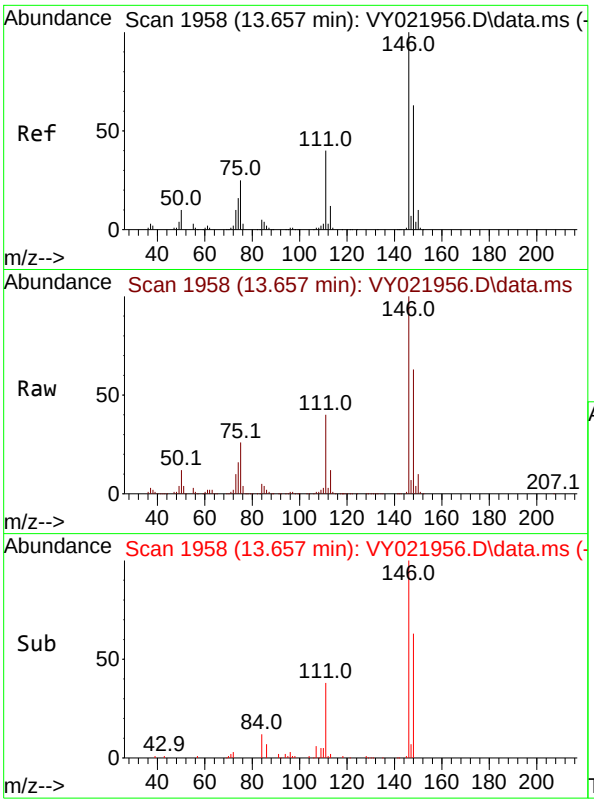


#90
Hexachloroethane
Concen: 47.353 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:117 Resp: 156957

Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.7	116.1

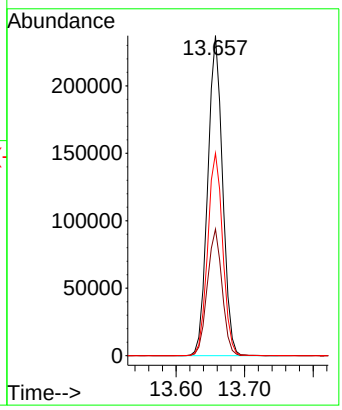




#91
1,2-Dichlorobenzene
Concen: 48.544 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:146 Resp: 35702

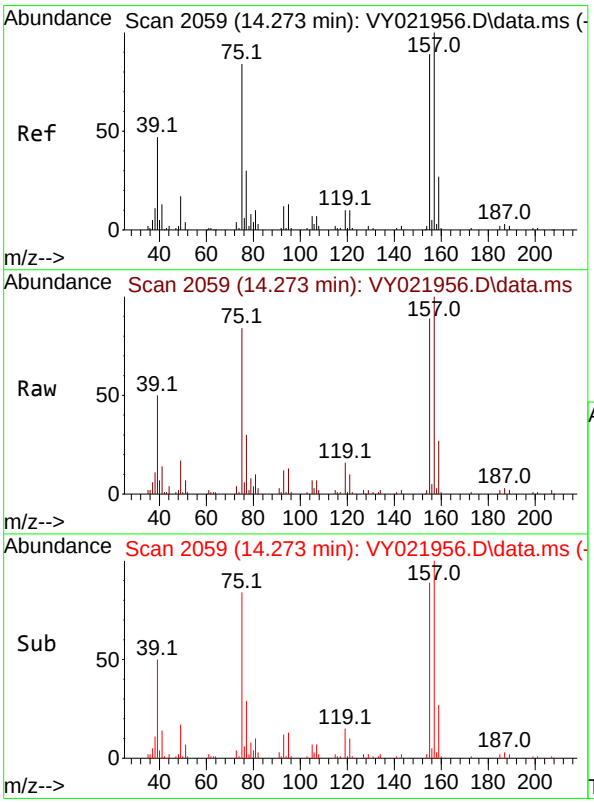
Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

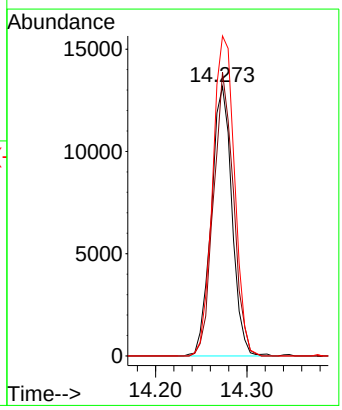
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

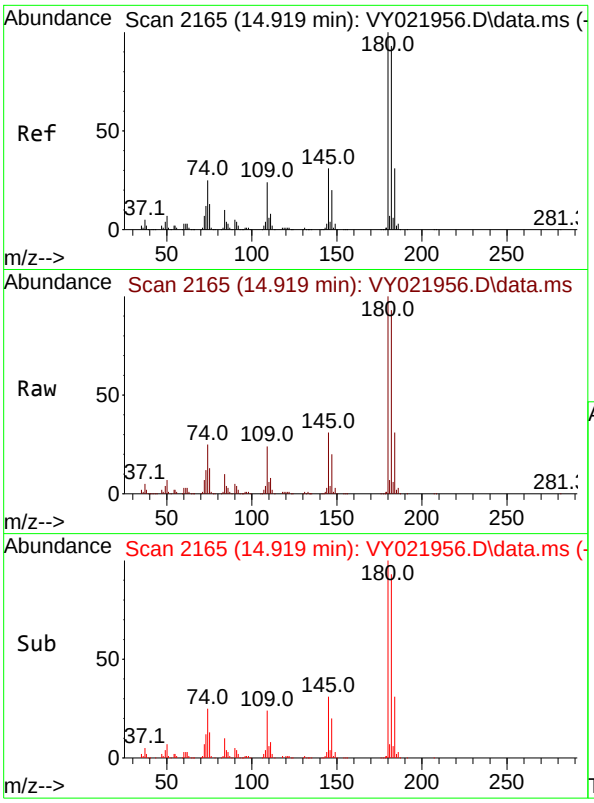


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 20698

Ion	Ratio	Lower	Upper
75	100		
155	101.5	50.7	152.3
157	125.2	62.6	187.8

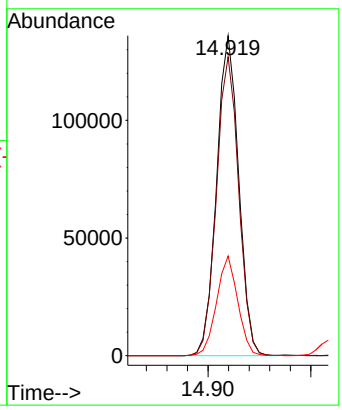




#93
1,2,4-Trichlorobenzene
Concen: 48.561 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:180 Resp: 20238

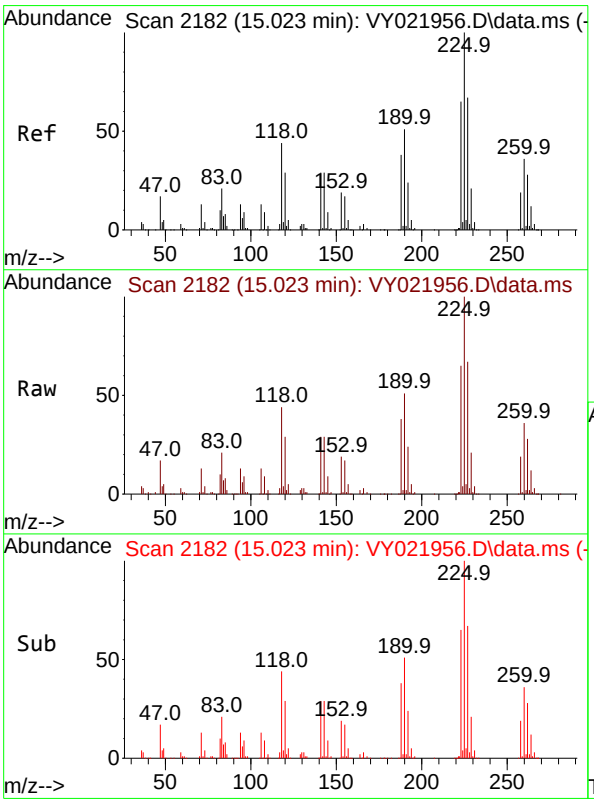
Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	30.0	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

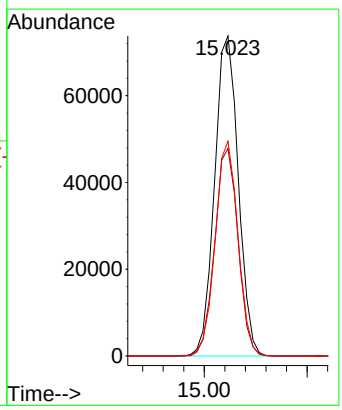
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

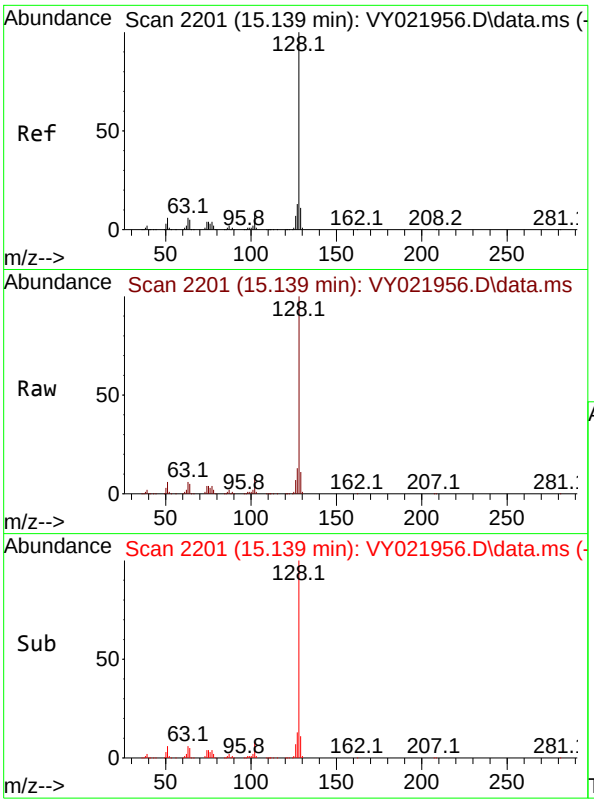


#94
Hexachlorobutadiene
Concen: 46.009 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:225 Resp: 117976

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.6	32.3	96.9

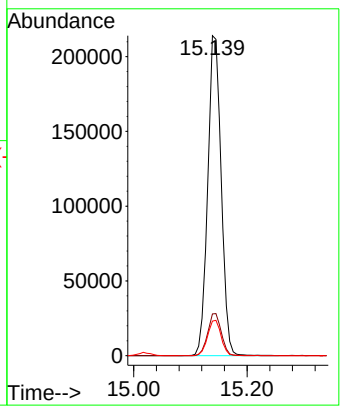




#95
Naphthalene
Concen: 51.007 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:128 Resp: 35313

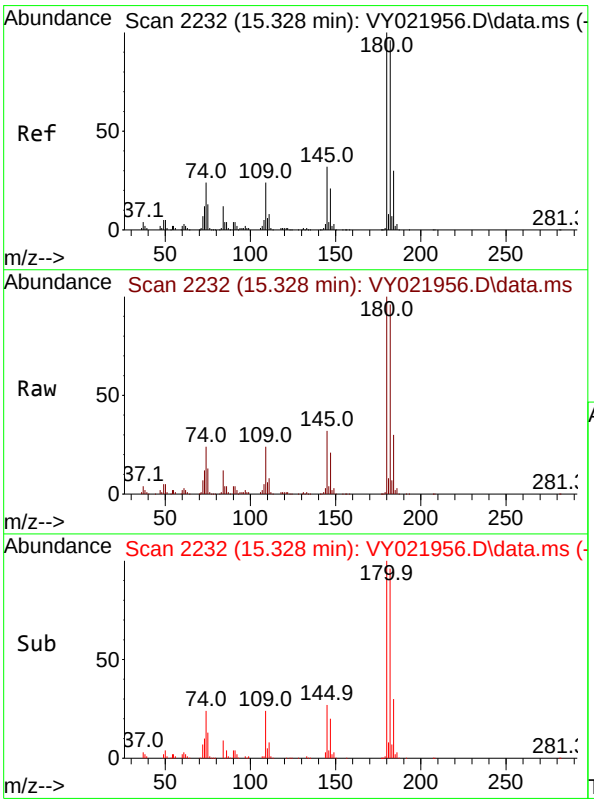
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.1	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

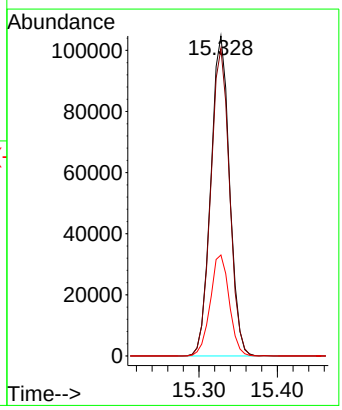
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.304 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:180 Resp: 173778

Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	32.0	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.900%#			
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 199.720%#			
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 201.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l		100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l		98
44) Trichloroethene	8.866	130	401139	100.789	ug/l		99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l		99
46) Dibromomethane	9.231	93	197509	99.293	ug/l		99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l		99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l		97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l		99
52) Toluene	10.170	92	986553	106.068	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l		99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l		100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l		99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l		99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l		99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l		98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l		99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l		99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l		100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l		98
69) o-Xylene	11.956	106	716652	111.334	ug/l		99
70) Styrene	11.969	104	1220634	112.940	ug/l		99
71) Bromoform	12.133	173	226072	102.945	ug/l	#	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l		99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	207056m	92.537	ug/l		
77) Bromobenzene	12.530	156	451913	105.415	ug/l		98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l		99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l		97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l		99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l		99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l		100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l		99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l		99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l		100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l		99
95) Naphthalene	15.145	128	858079	120.033	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 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

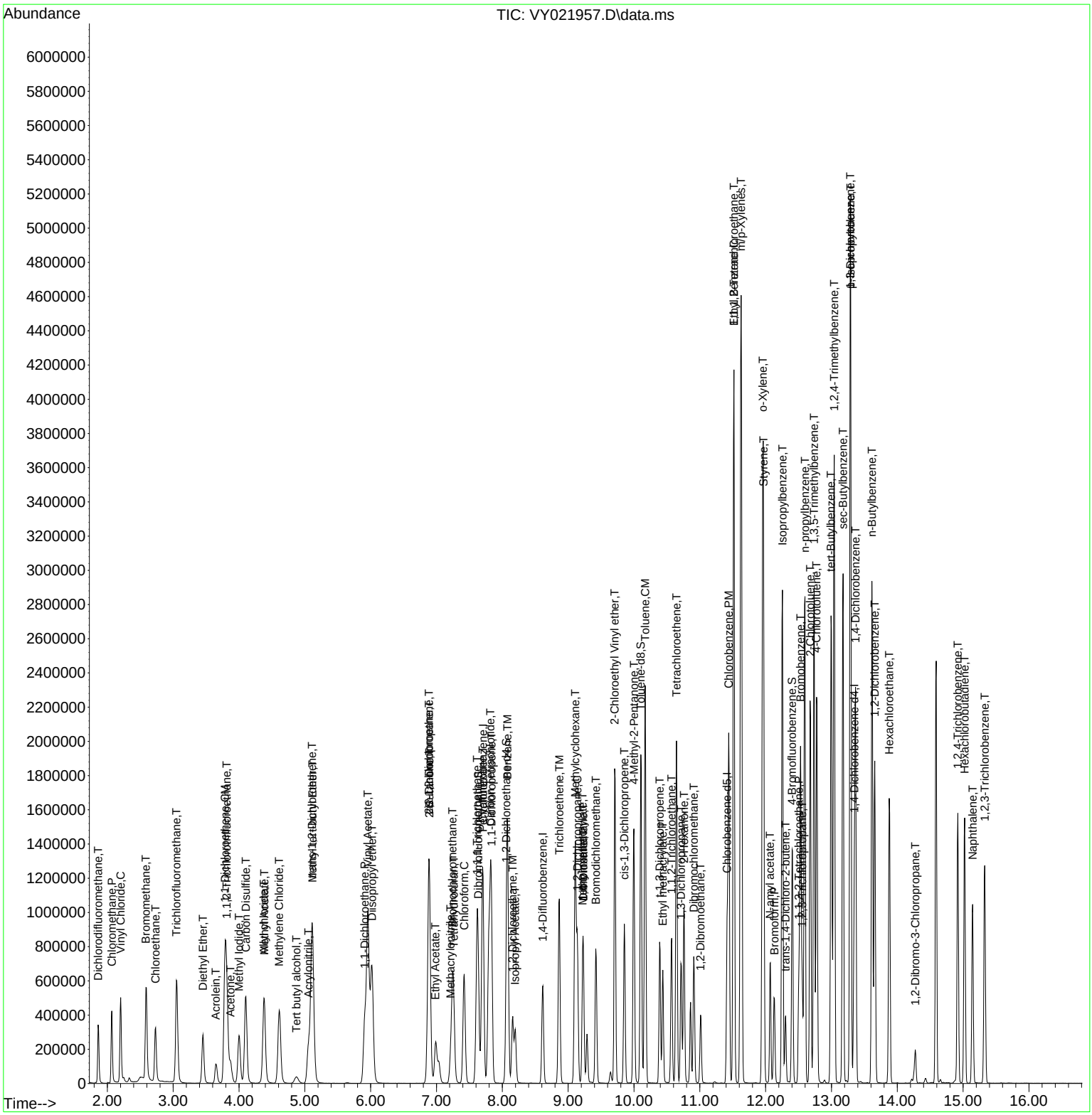
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

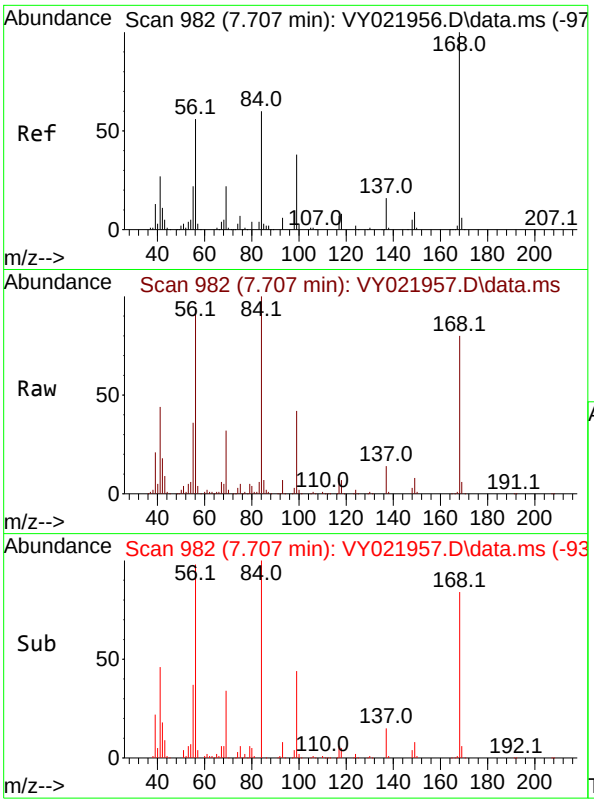
Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

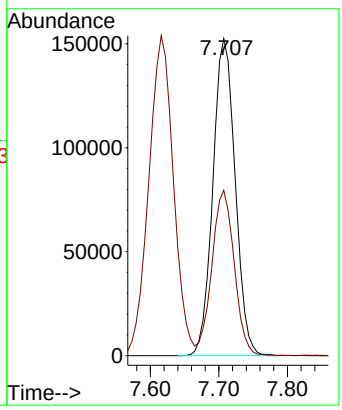
Tgt Ion:168 Resp: 34439

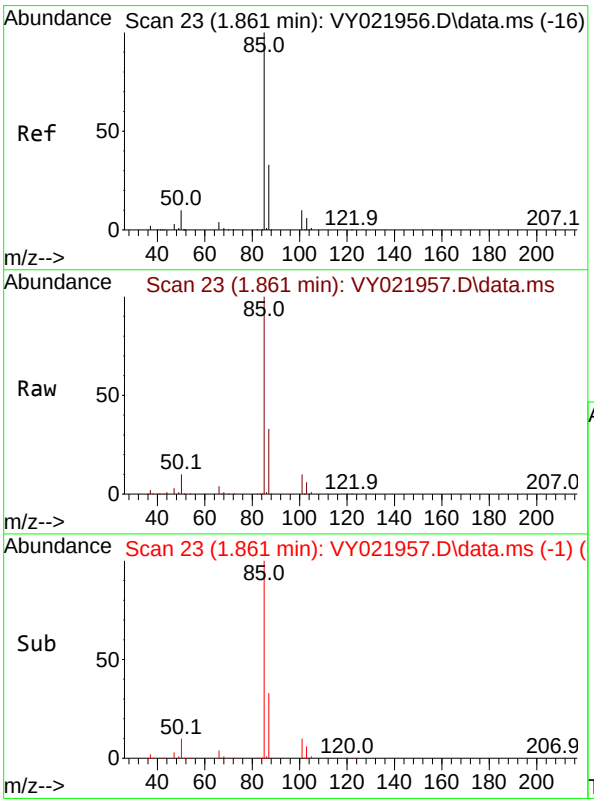
Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

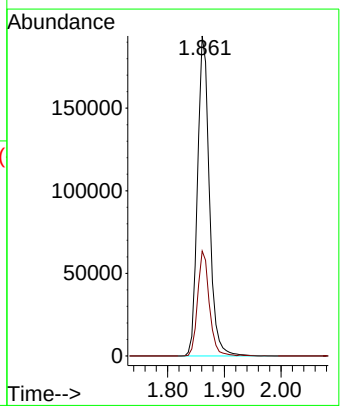


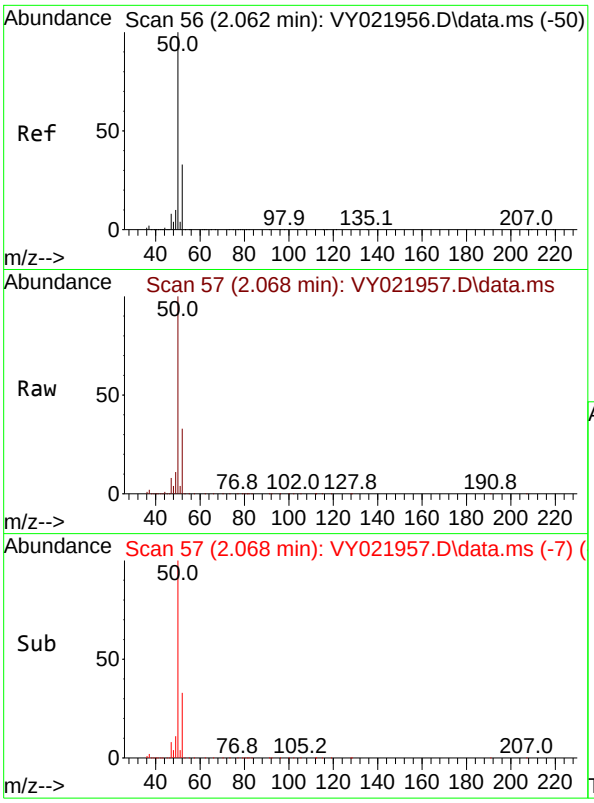


#2
Dichlorodifluoromethane
Concen: 95.668 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 85 Resp: 280742

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7





#3
Chloromethane
Concen: 87.270 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 50 Resp: 36465

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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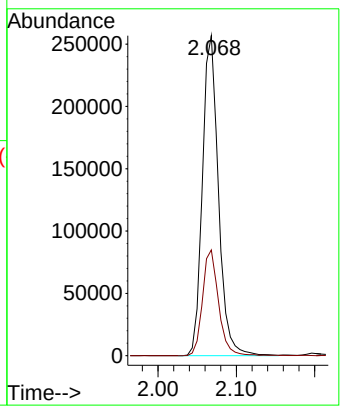
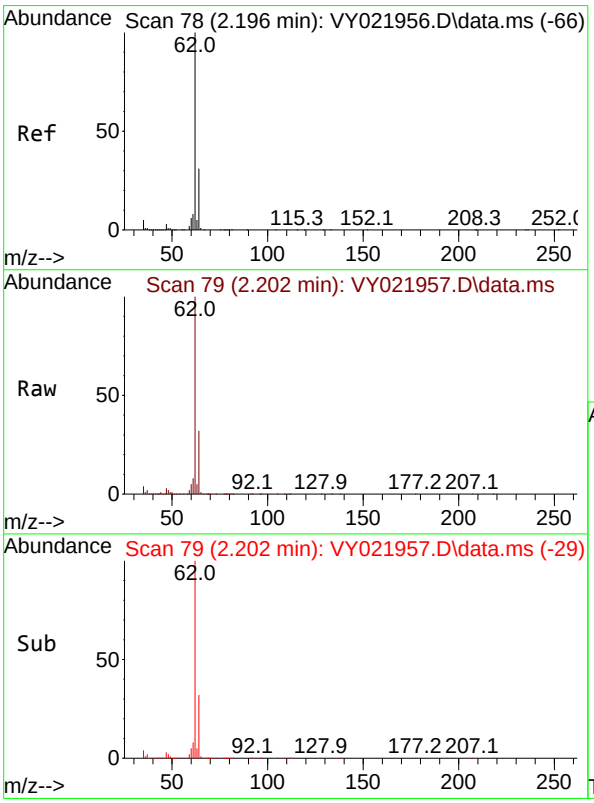
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

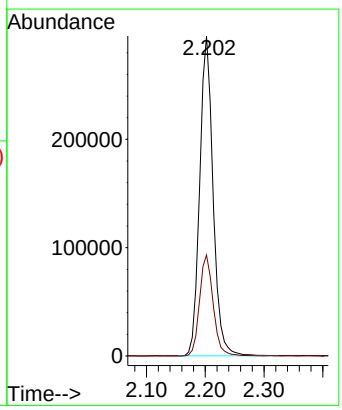


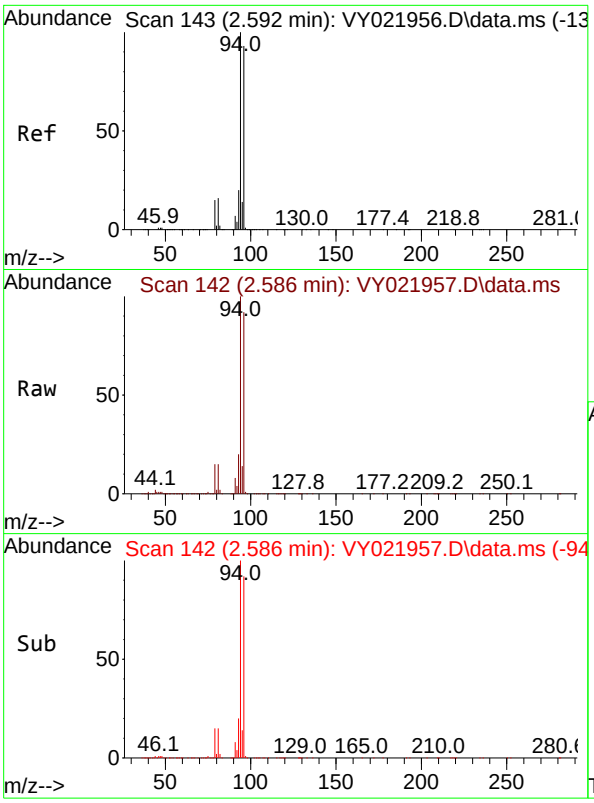


#4
Vinyl Chloride
Concen: 91.152 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 62 Resp: 468044

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.1	37.7





#5
Bromomethane
Concen: 86.267 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 94 Resp: 38163

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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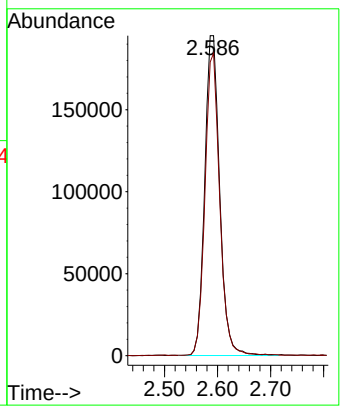
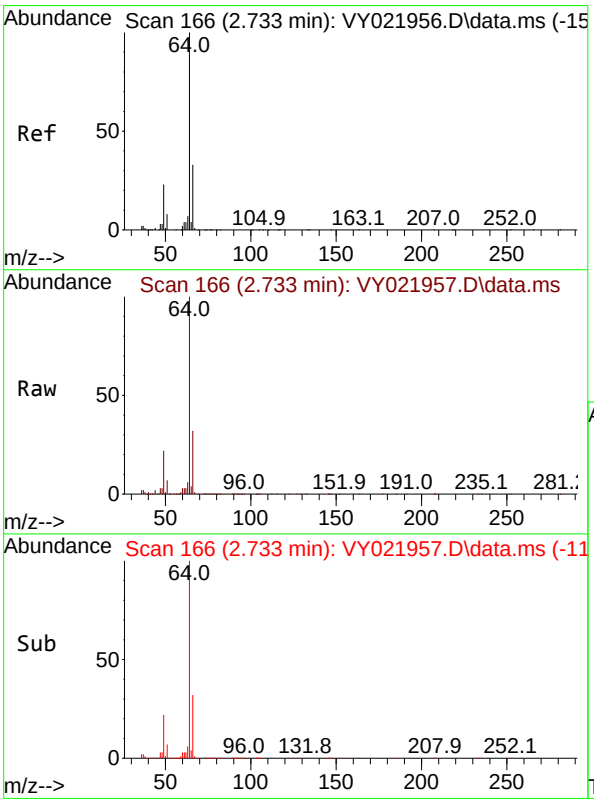
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

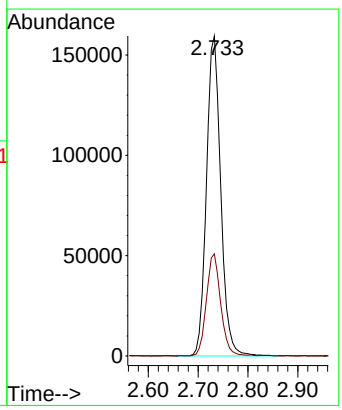


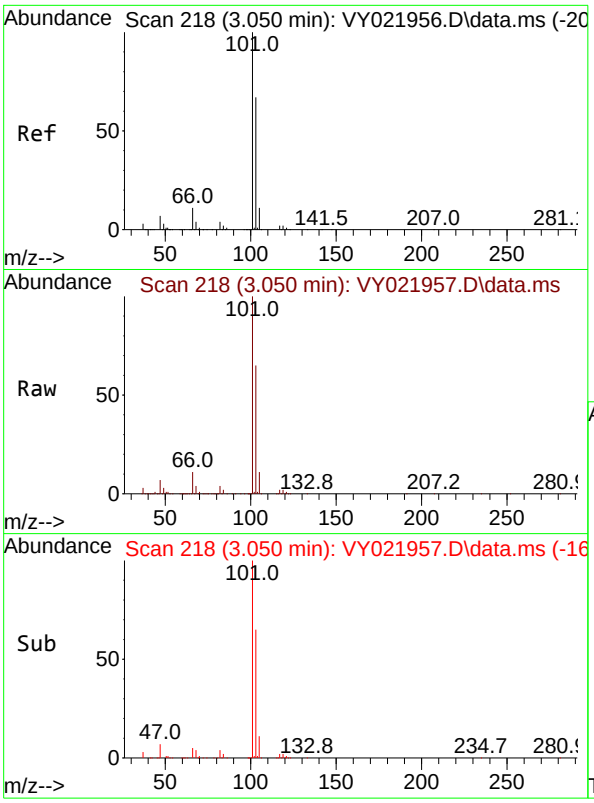


#6
Chloroethane
Concen: 90.651 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 64 Resp: 317008

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.2	39.4

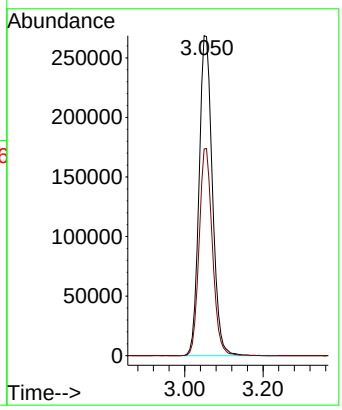




#7
Trichlorofluoromethane
Concen: 93.728 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:101 Resp: 63463

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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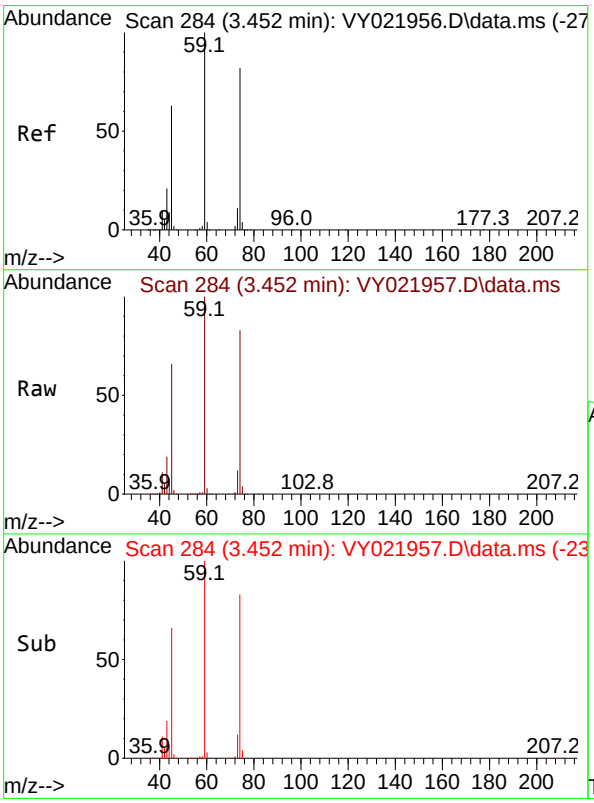
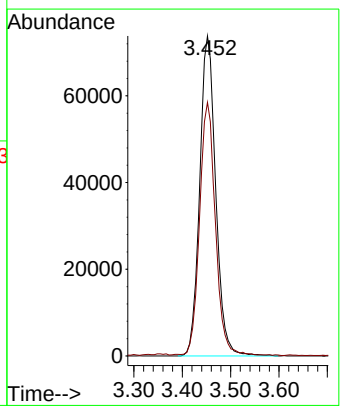
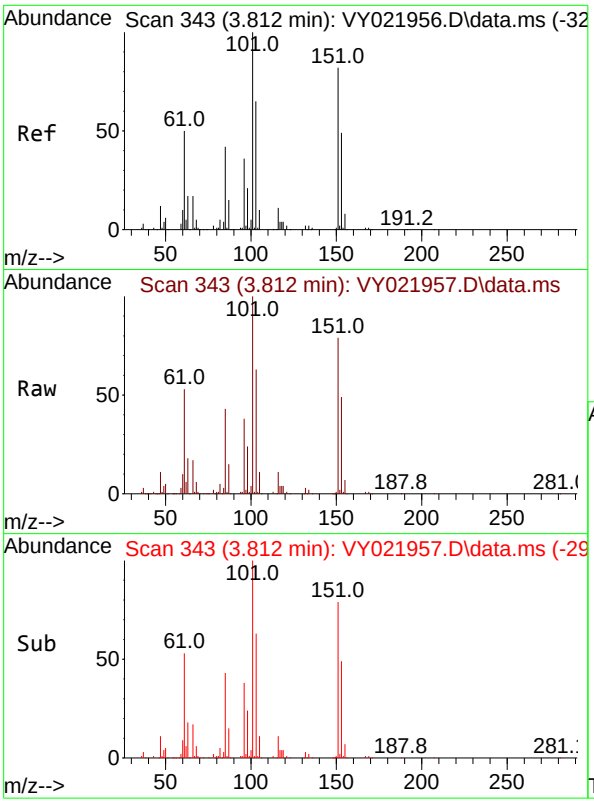


#8
Diethyl Ether
Concen: 96.177 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 74 Resp: 169496

Ion	Ratio	Lower	Upper
74	100		
45	77.7	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.171 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:101 Resp: 34222

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	78.9	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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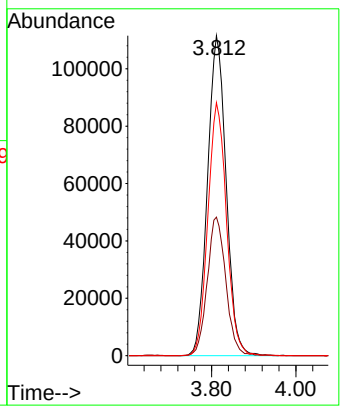
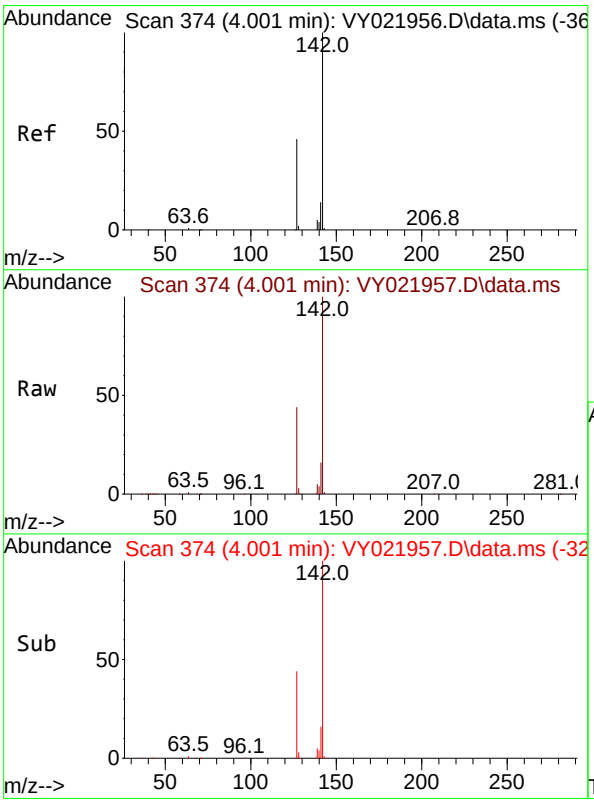
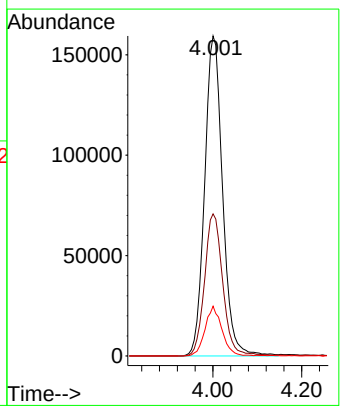


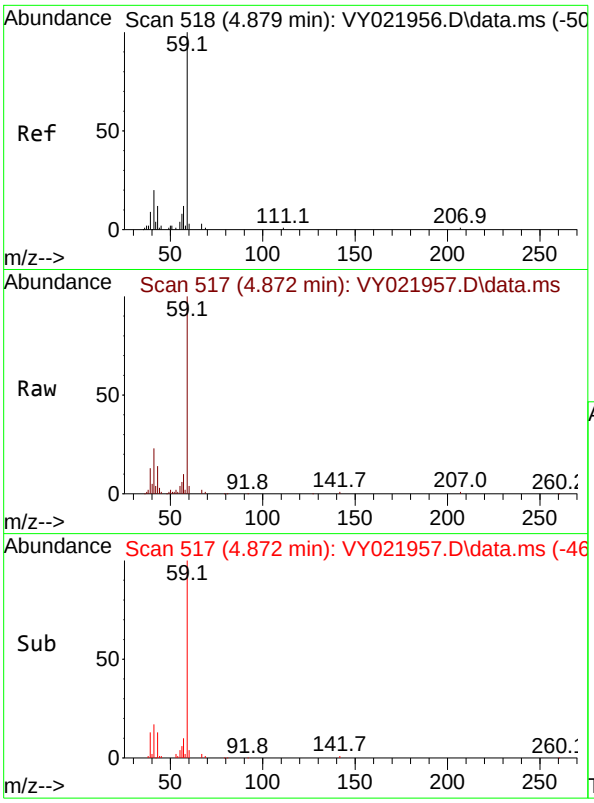


#10
Methyl Iodide
Concen: 105.498 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:142 Resp: 448644

Ion	Ratio	Lower	Upper
142	100		
127	45.0	36.2	54.2
141	14.6	11.7	17.5

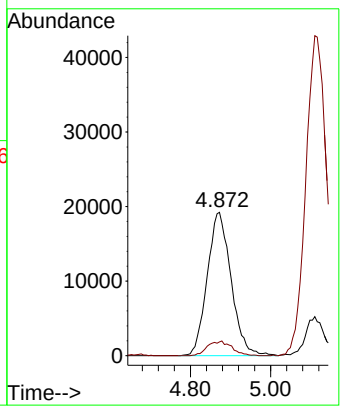




#11
Tert butyl alcohol
Concen: 454.915 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 59 Resp: 7944

Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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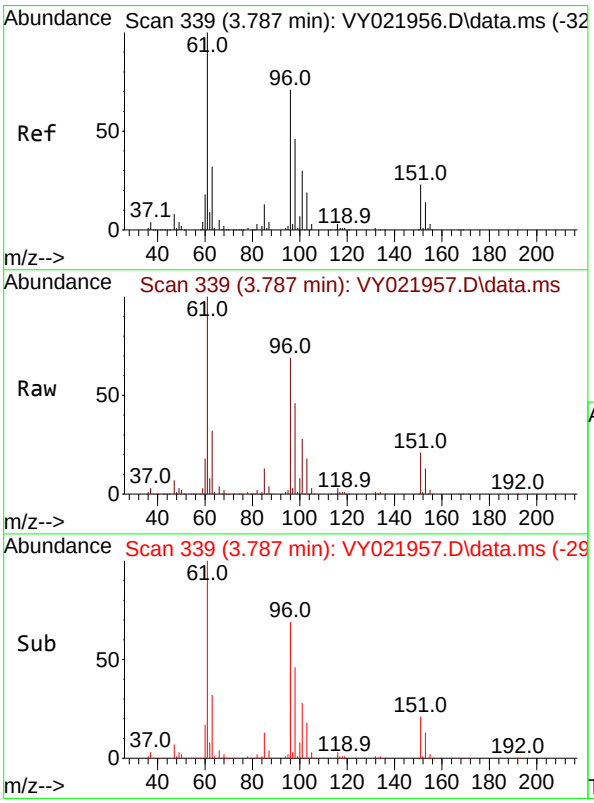
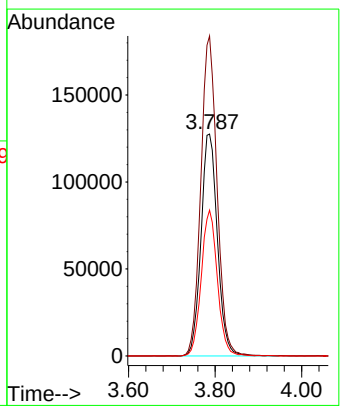
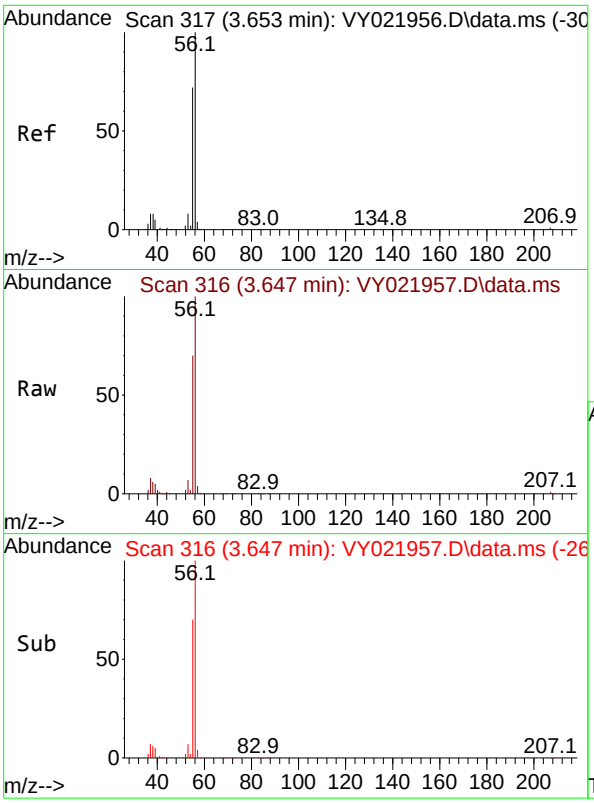


#12
1,1-Dichloroethene
Concen: 97.935 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 96 Resp: 335292

Ion	Ratio	Lower	Upper
96	100		
61	144.2	113.0	169.4
98	65.7	51.4	77.2

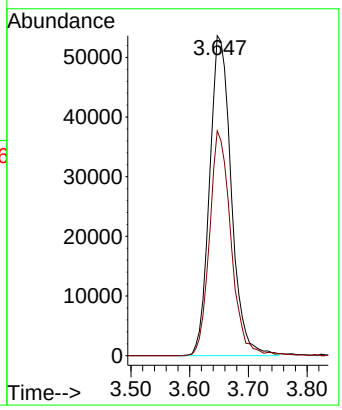




#13
Acrolein
Concen: 438.034 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 56 Resp: 13729

Ion	Ratio	Lower	Upper
56	100		
55	69.1	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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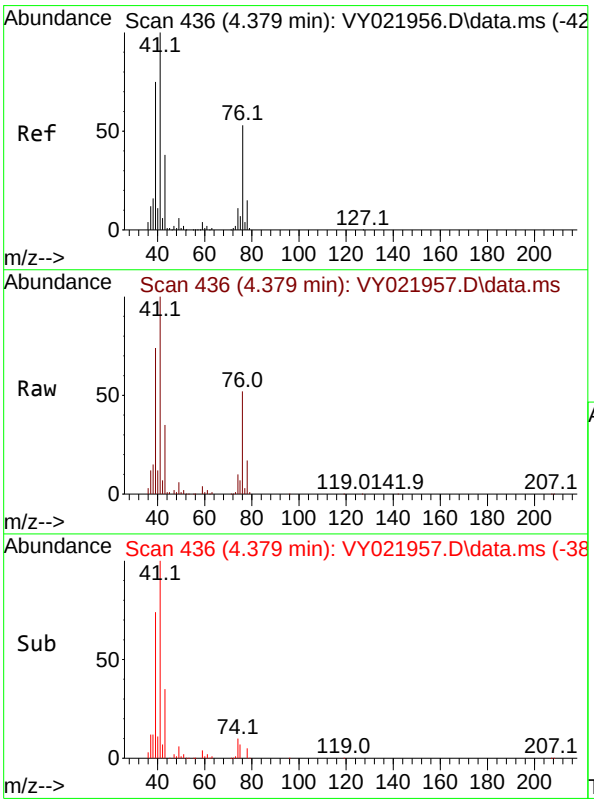
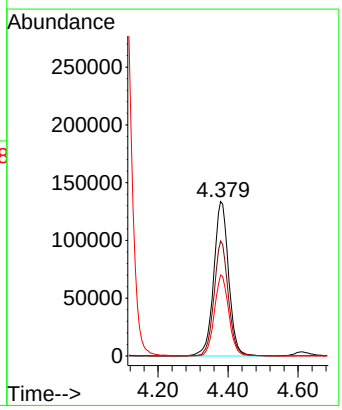
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

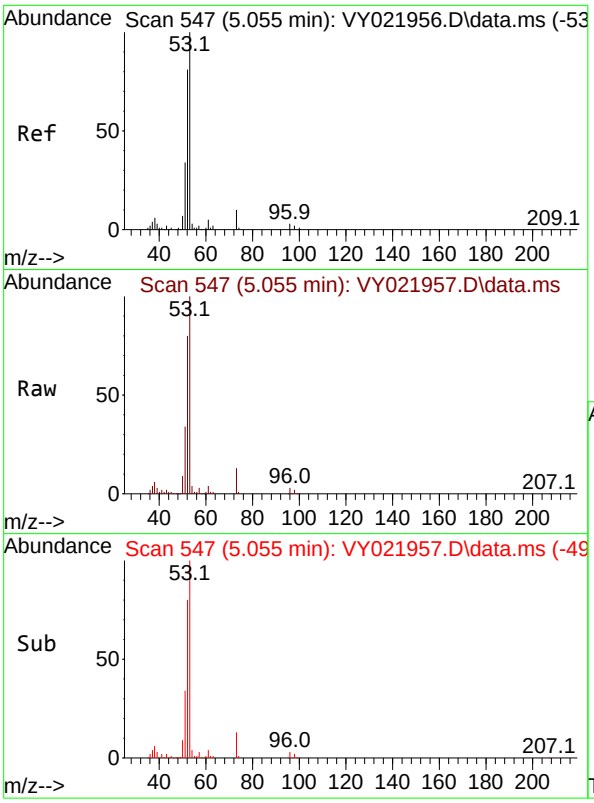


#14
Allyl chloride
Concen: 99.318 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 41 Resp: 395924

Ion	Ratio	Lower	Upper
41	100		
39	71.7	57.2	85.8
76	50.5	39.7	59.5





#15
Acrylonitrile
Concen: 470.017 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 53 Resp: 30324

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.0	97.6
51	36.1	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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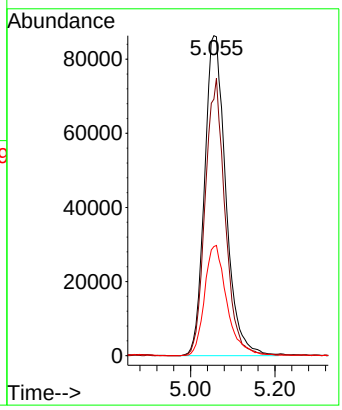
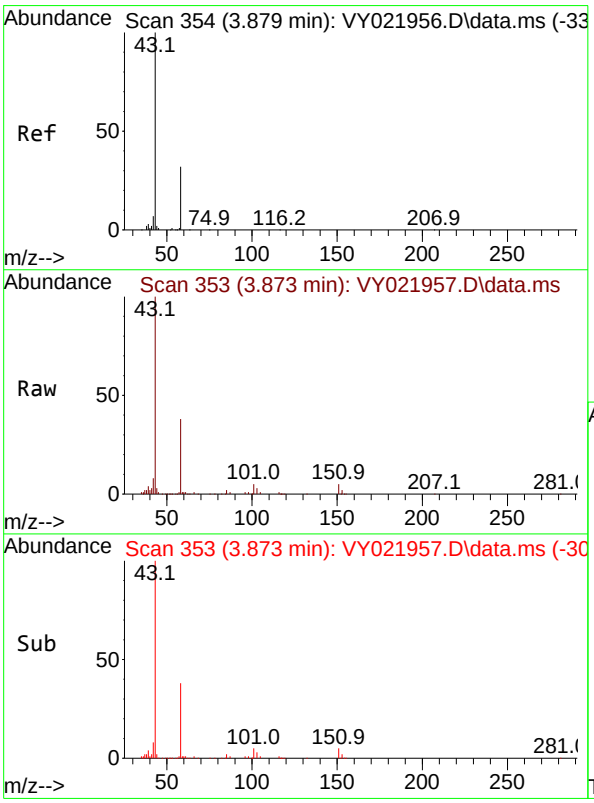
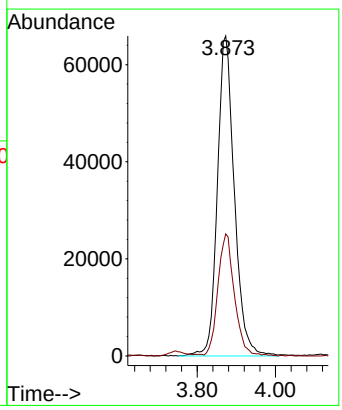


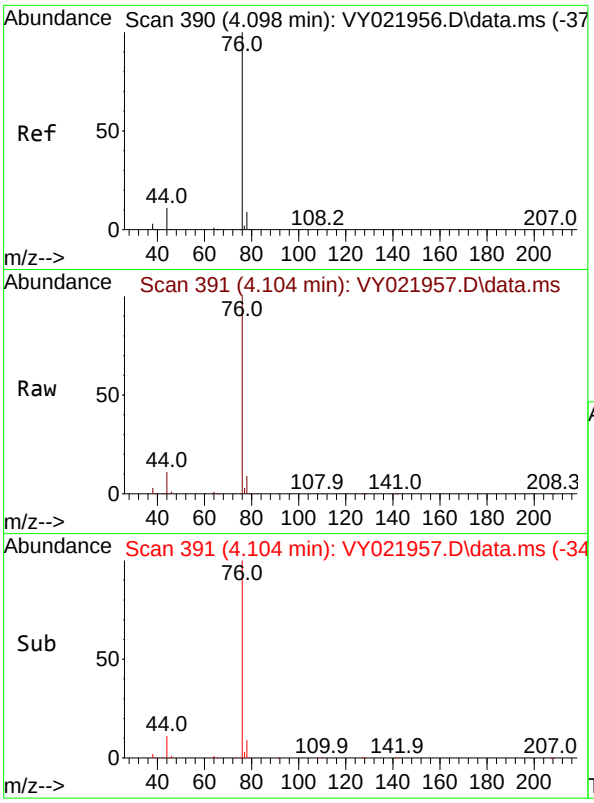


#16
Acetone
Concen: 497.873 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 198486

Ion	Ratio	Lower	Upper
43	100		
58	38.2	27.0	40.4

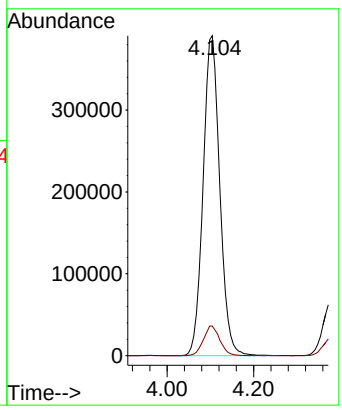




#17
Carbon Disulfide
Concen: 95.665 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 76 Resp: 104429

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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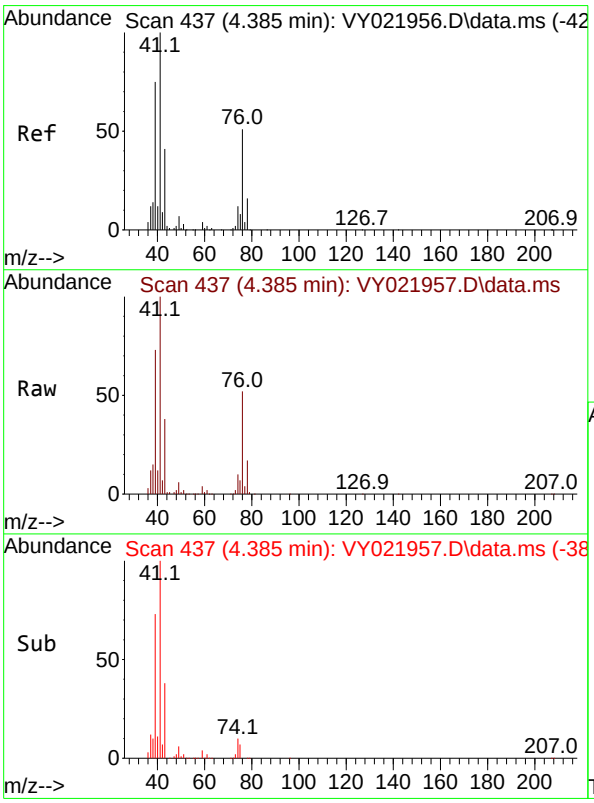
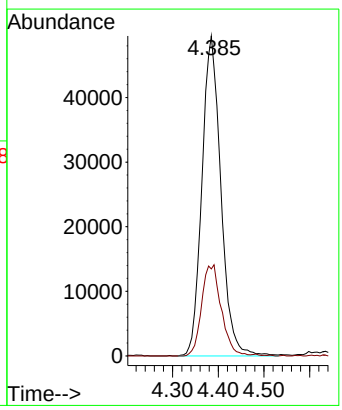
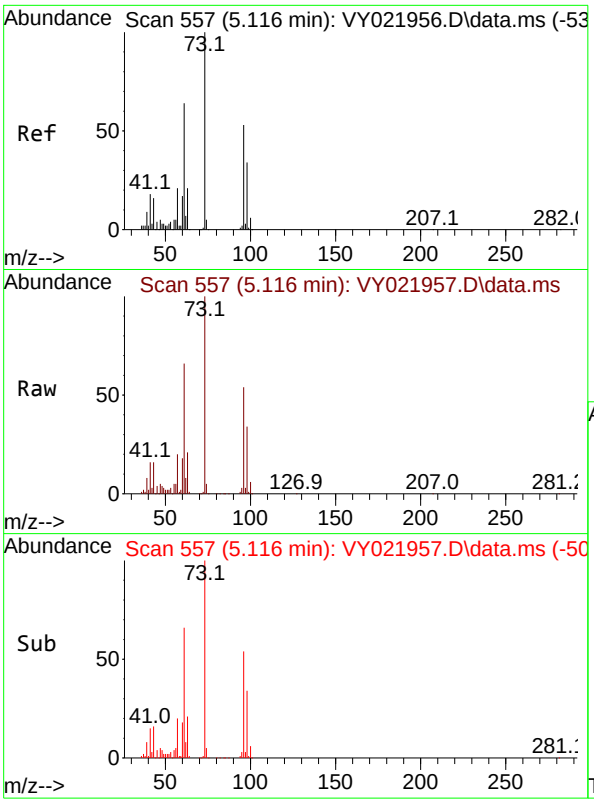


#18
Methyl Acetate
Concen: 96.193 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 142939

Ion	Ratio	Lower	Upper
43	100		
74	29.5	24.2	36.4

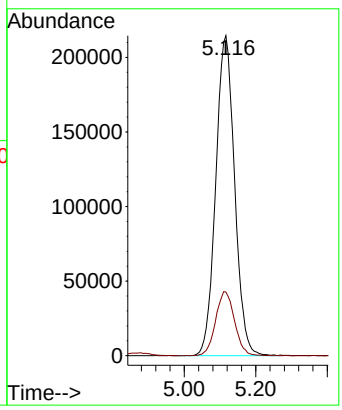




#19
Methyl tert-butyl Ether
Concen: 102.542 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 73 Resp: 78576

Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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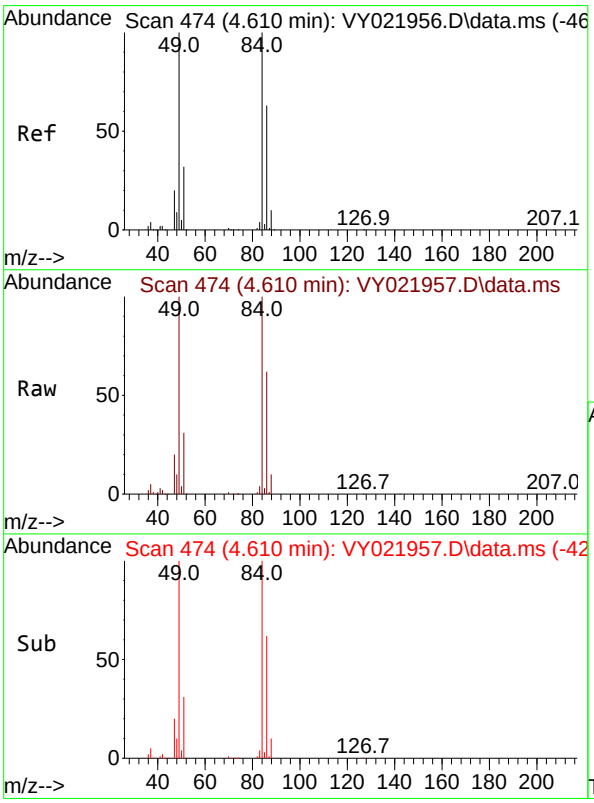
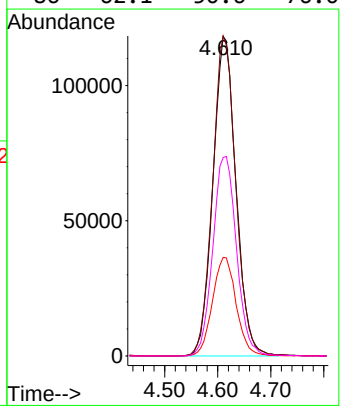
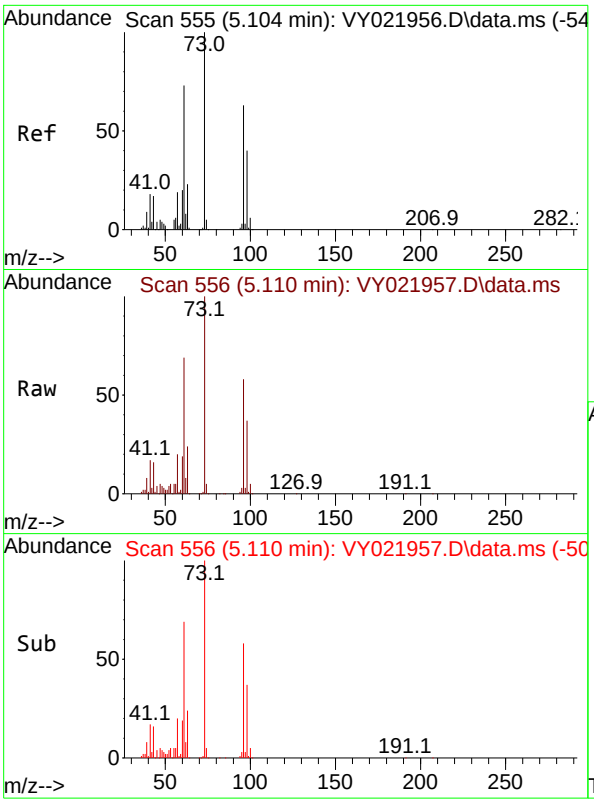


#20
Methylene Chloride
Concen: 88.623 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 84 Resp: 356477

Ion	Ratio	Lower	Upper
84	100		
49	100.1	79.9	119.9
51	30.8	25.4	38.0
86	62.1	50.6	76.0

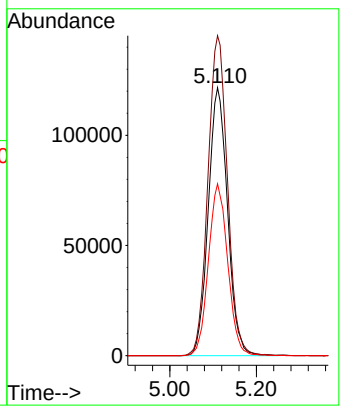




#21
trans-1,2-Dichloroethene
Concen: 98.137 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 96 Resp: 37627

Ion	Ratio	Lower	Upper
96	100		
61	119.4	92.6	138.8
98	64.1	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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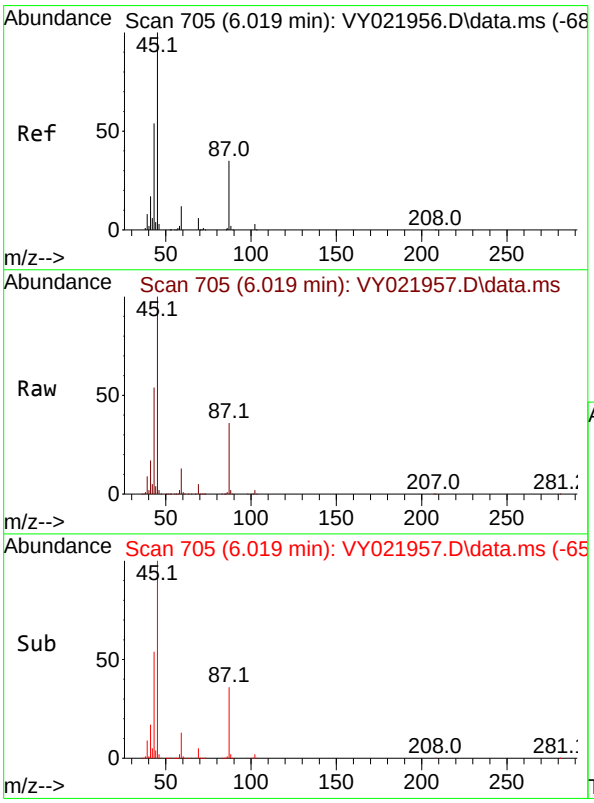
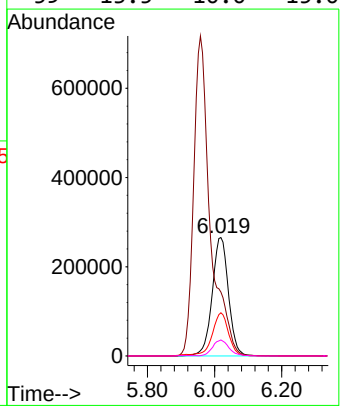
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

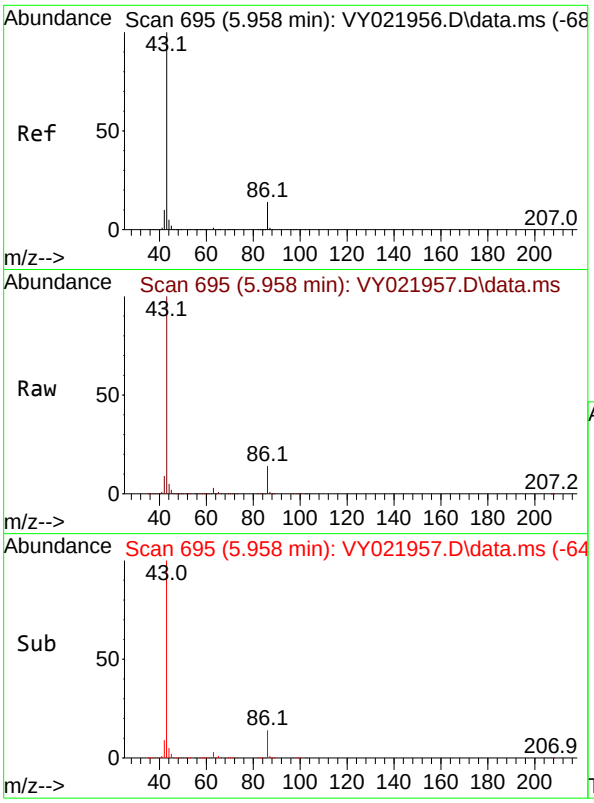


#22
Diisopropyl ether
Concen: 100.965 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 45 Resp: 895700

Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.6	65.4
87	36.5	28.2	42.4
59	13.5	10.0	15.0

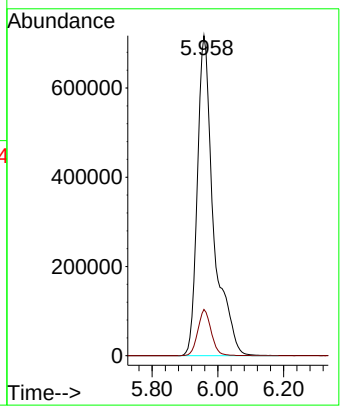




#23
Vinyl Acetate
Concen: 513.679 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 245594

Ion	Ratio	Lower	Upper
43	100		
86	14.5	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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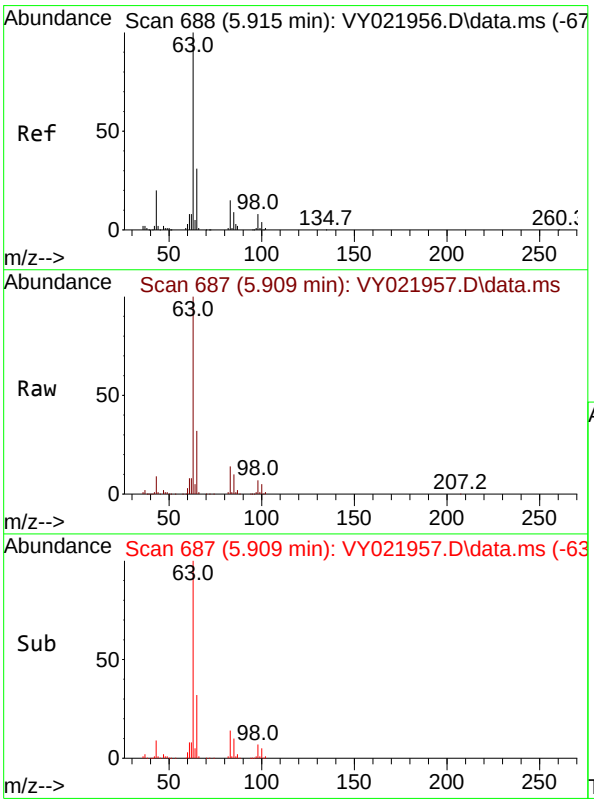
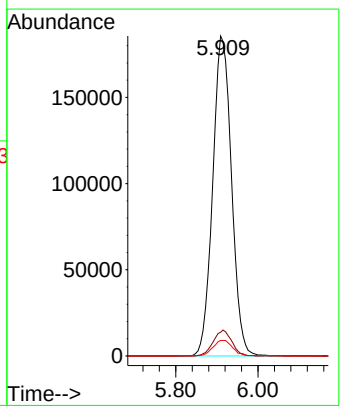
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

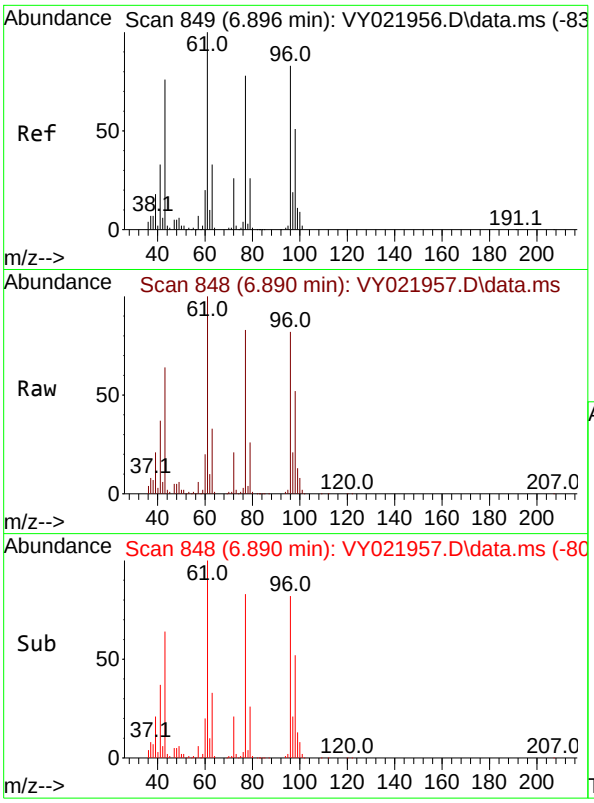


#24
1,1-Dichloroethane
Concen: 95.806 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 63 Resp: 589137

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	11.9
100	4.8	2.0	6.0

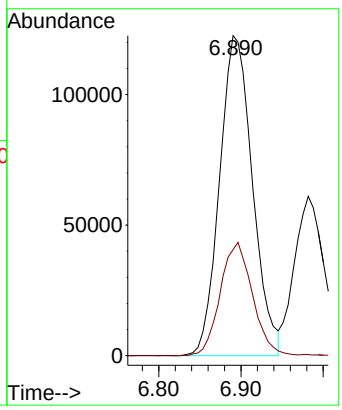




#25
2-Butanone
Concen: 471.826 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 34212

Ion	Ratio	Lower	Upper
43	100		
72	33.2	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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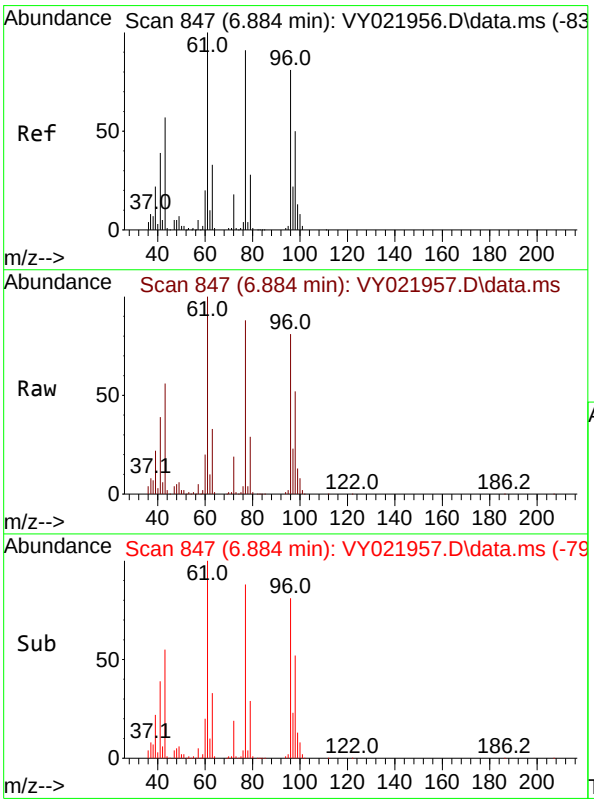
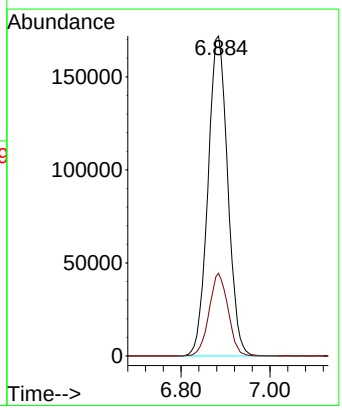
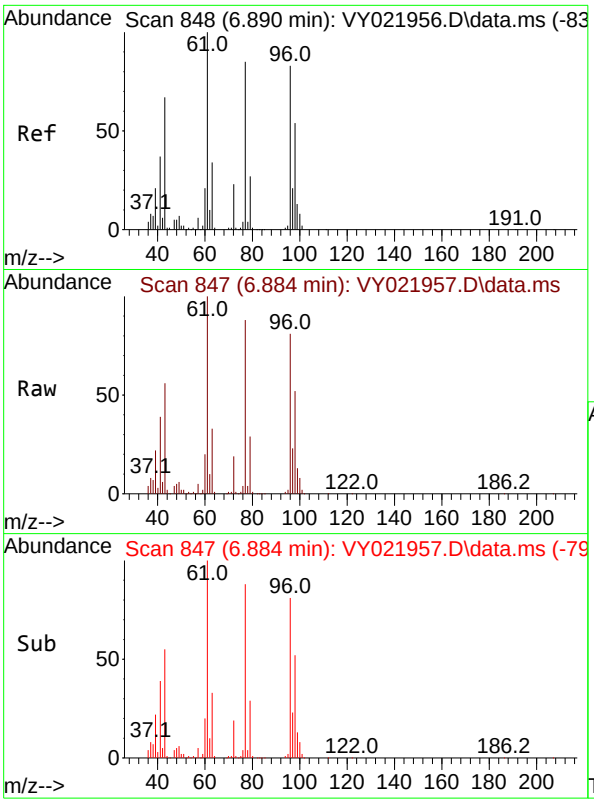


#26
2,2-Dichloropropane
Concen: 98.439 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 77 Resp: 530549

Ion	Ratio	Lower	Upper
77	100		
97	24.8	12.4	37.4

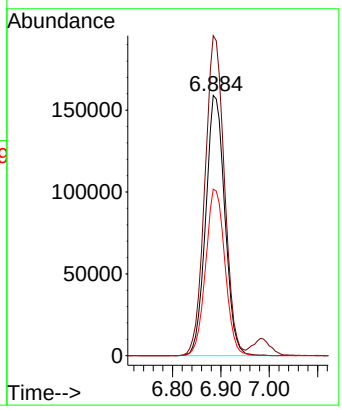




#27
cis-1,2-Dichloroethene
Concen: 101.743 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 96 Resp: 43619

Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	251.4
98	64.8	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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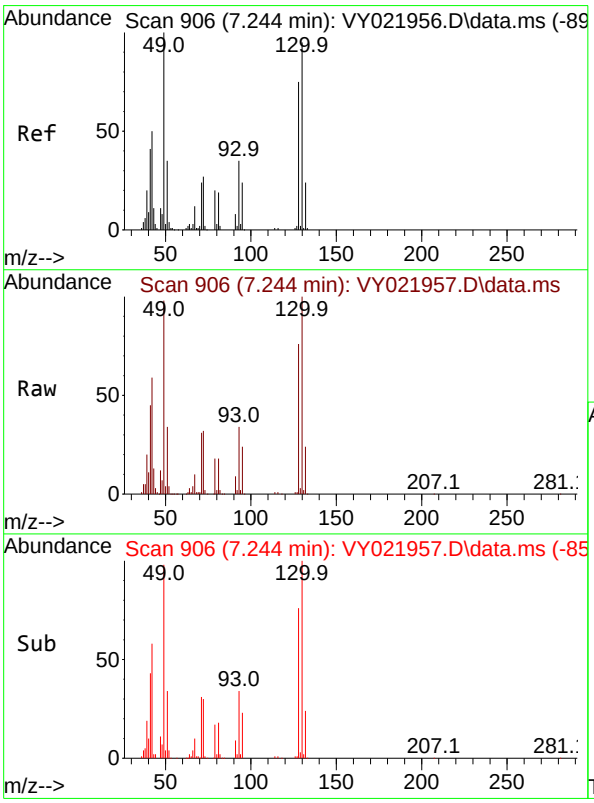
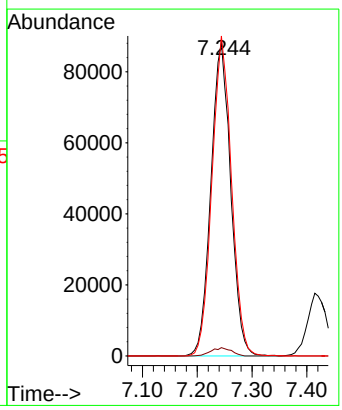
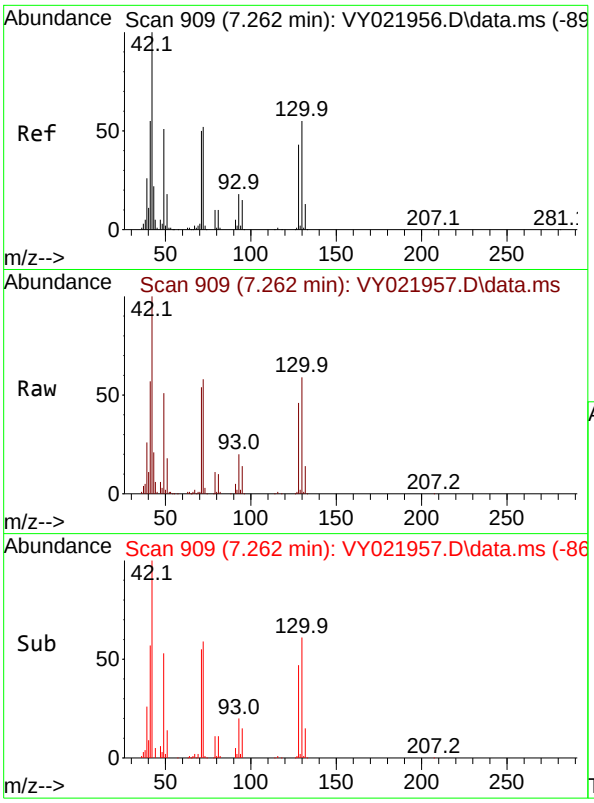


#28
Bromochloromethane
Concen: 92.652 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 49 Resp: 221300

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	100.7	78.2	117.4

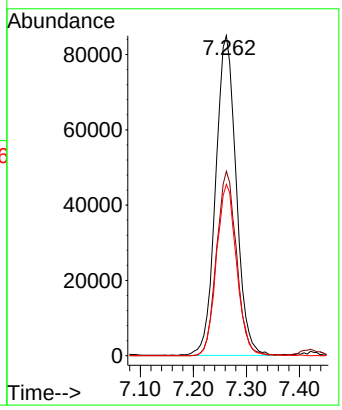




#29
Tetrahydrofuran
Concen: 485.059 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 42 Resp: 22843

Ion	Ratio	Lower	Upper
42	100		
72	56.3	42.6	63.8
71	52.8	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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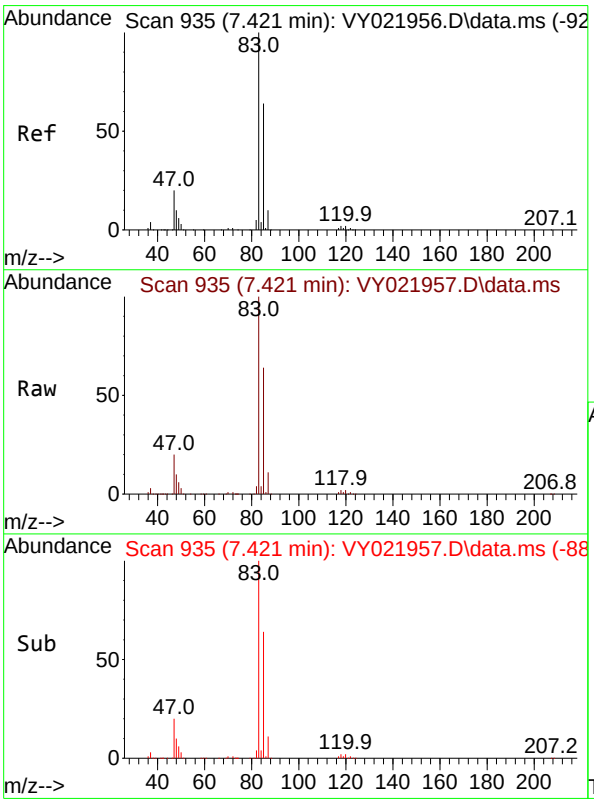
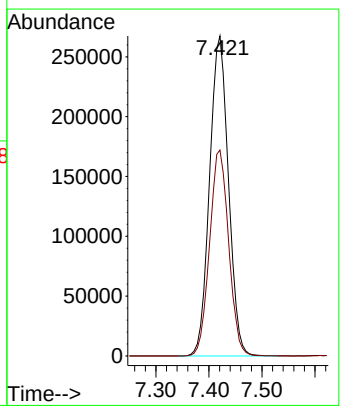
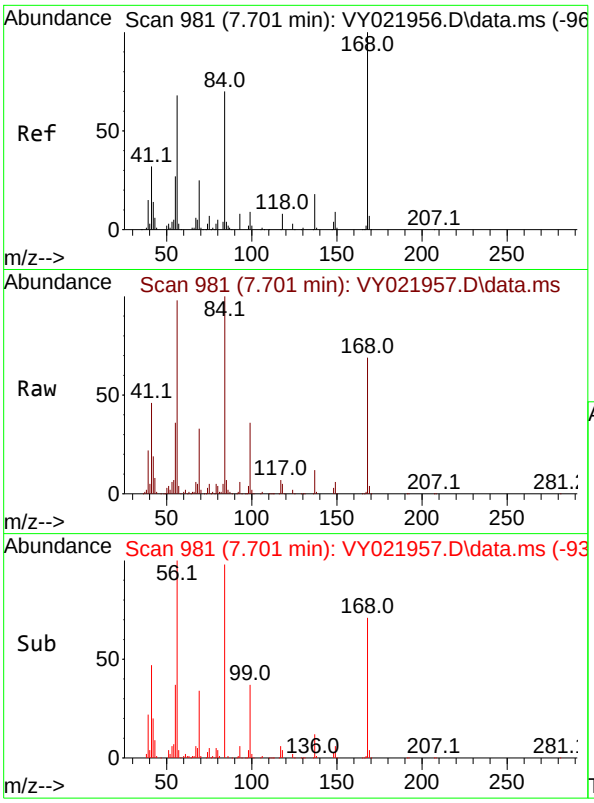


#30
Chloroform
Concen: 96.733 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 83 Resp: 659805

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9

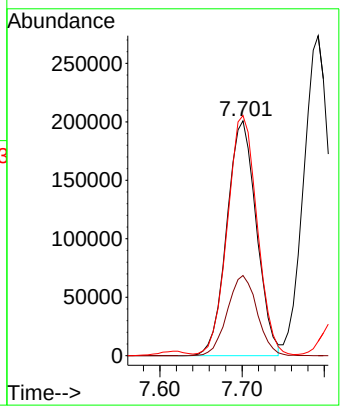




#31
Cyclohexane
Concen: 95.618 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 56 Resp: 50281

Ion	Ratio	Lower	Upper
56	100		
69	34.1	29.4	44.2
84	100.3	82.2	123.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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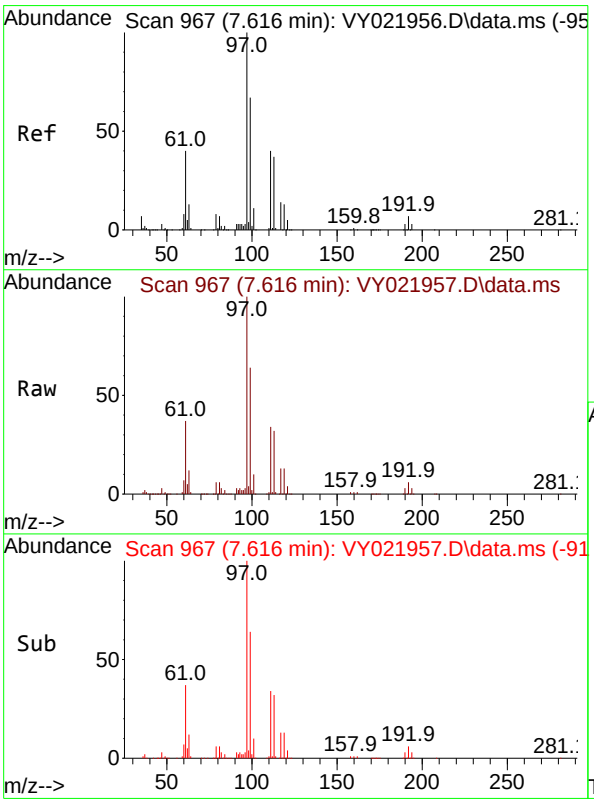
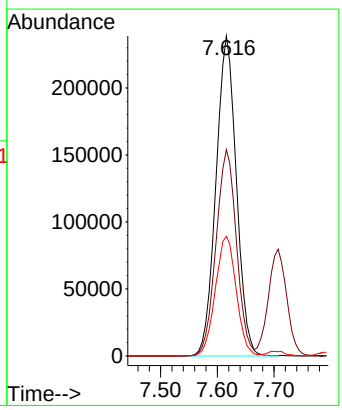
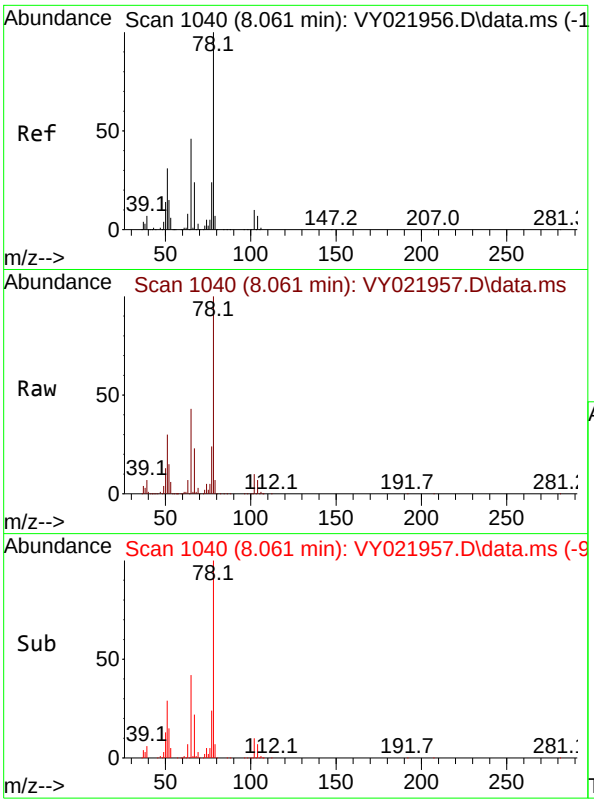


#32
1,1,1-Trichloroethane
Concen: 96.568 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 97 Resp: 595919

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	38.4	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 90.454 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 65 Resp: 28774

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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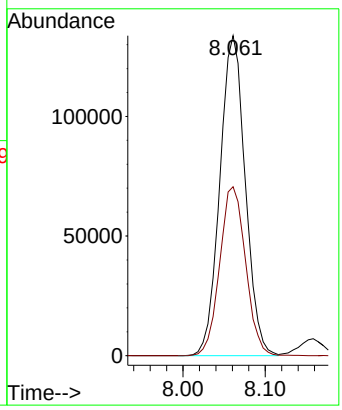
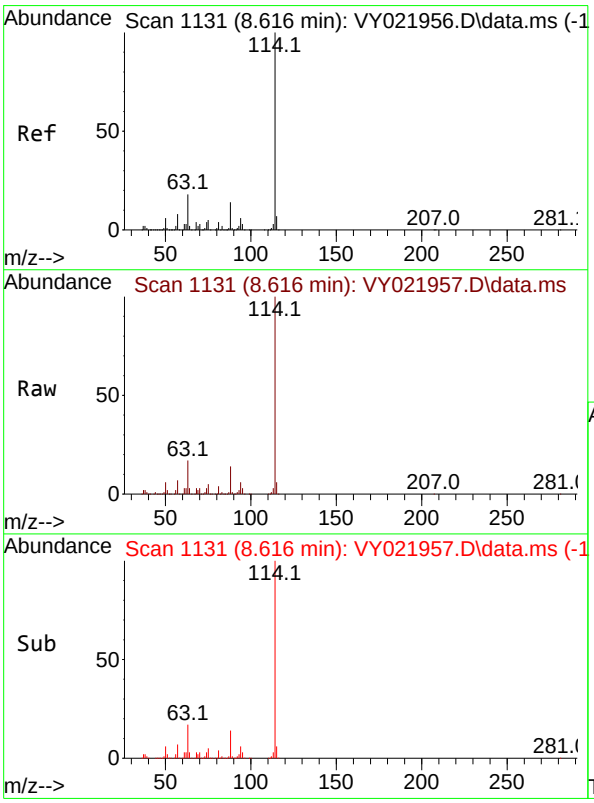
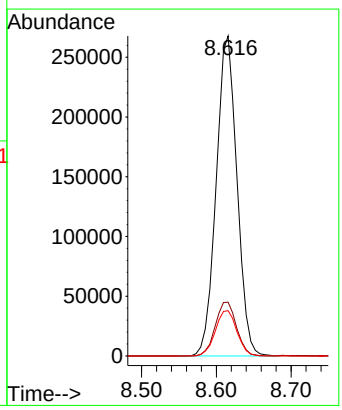


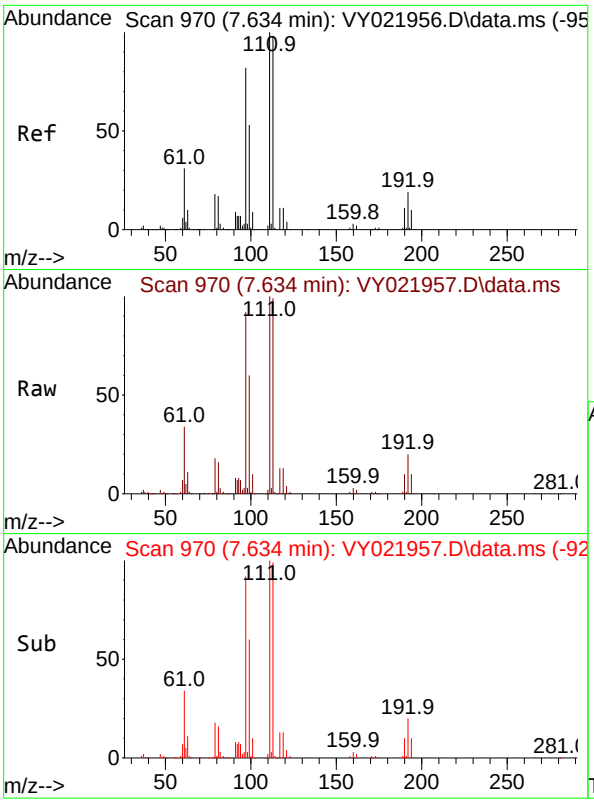


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:114 Resp: 517970

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.4
88	14.2	0.0	28.2

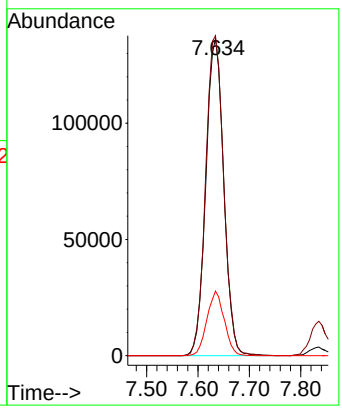




#35
Dibromofluoromethane
Concen: 96.430 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:113 Resp: 32998

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	19.7	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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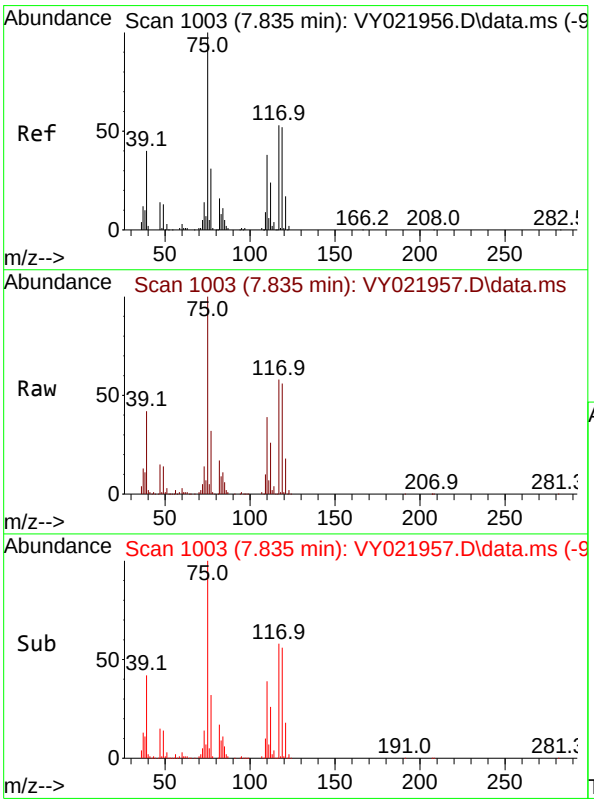
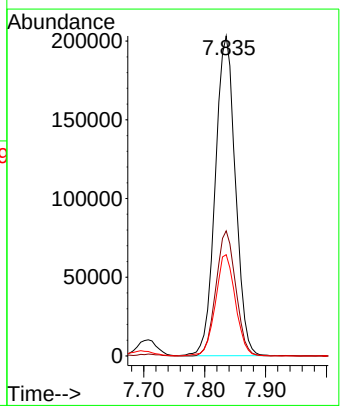
Supervised By :Mahesh Dadoda 04/23/2025

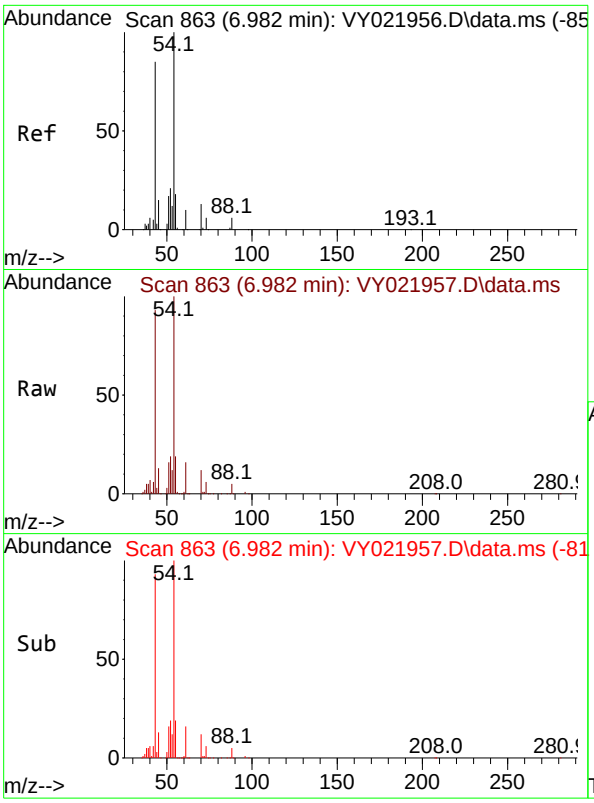


#36
1,1-Dichloropropene
Concen: 101.471 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 466424

Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.1	57.3
77	31.5	25.5	38.3





#37
Ethyl Acetate
Concen: 97.530 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 15884

Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.8	20.6
70	12.6	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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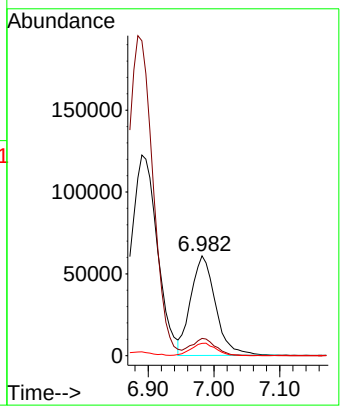
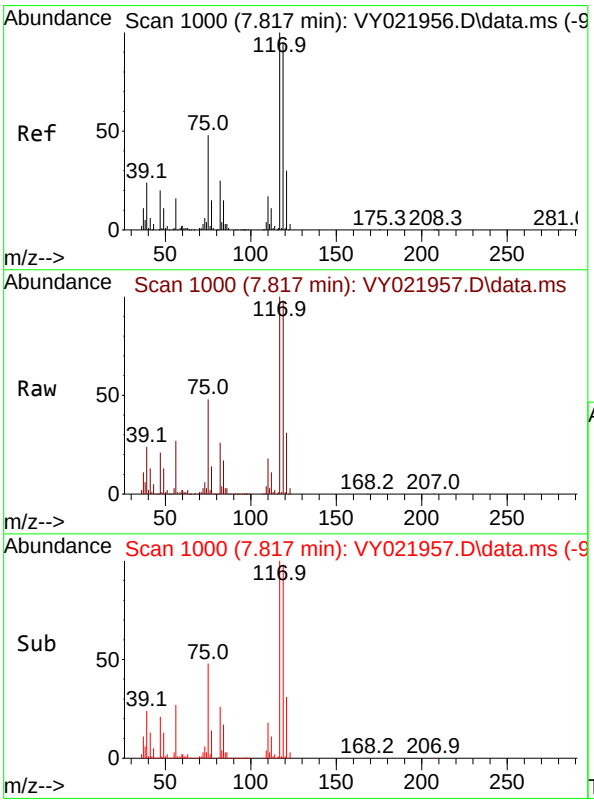
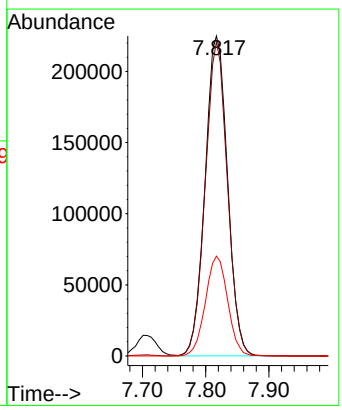


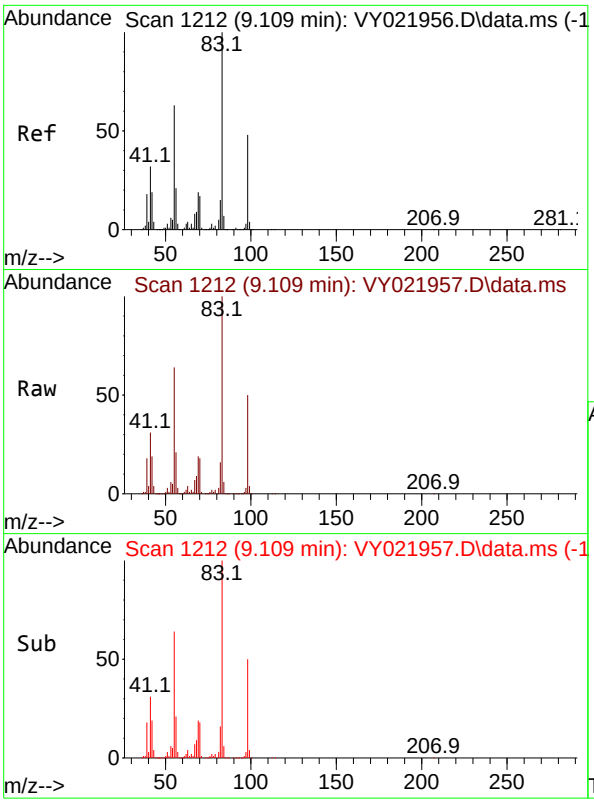


#38
Carbon Tetrachloride
Concen: 100.983 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:117 Resp: 554665

Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.2	114.4
121	31.2	24.0	36.0





#39
Methylcyclohexane
Concen: 107.388 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 83 Resp: 62119

Ion	Ratio	Lower	Upper
83	100		
55	63.7	50.6	75.8
98	50.2	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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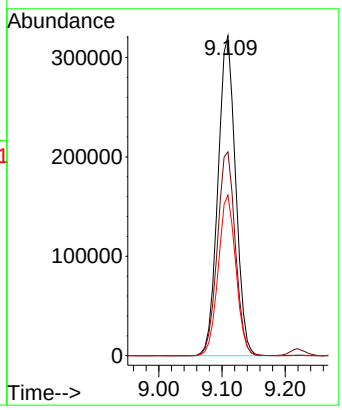
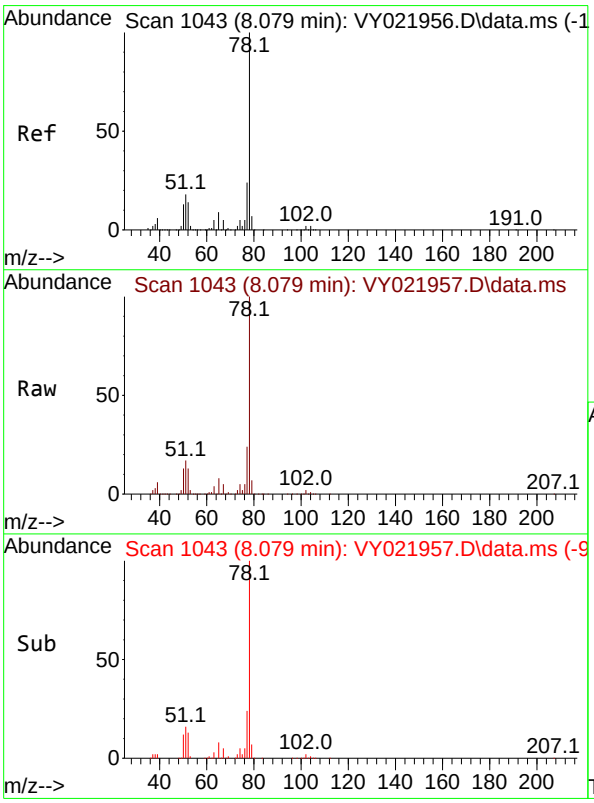
Supervised By :Mahesh Dadoda 04/23/2025

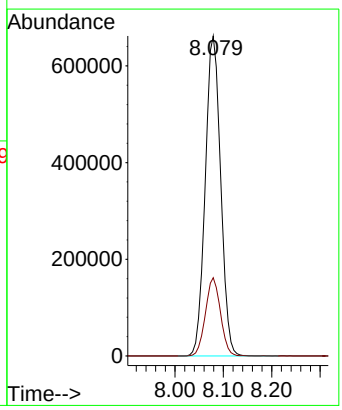


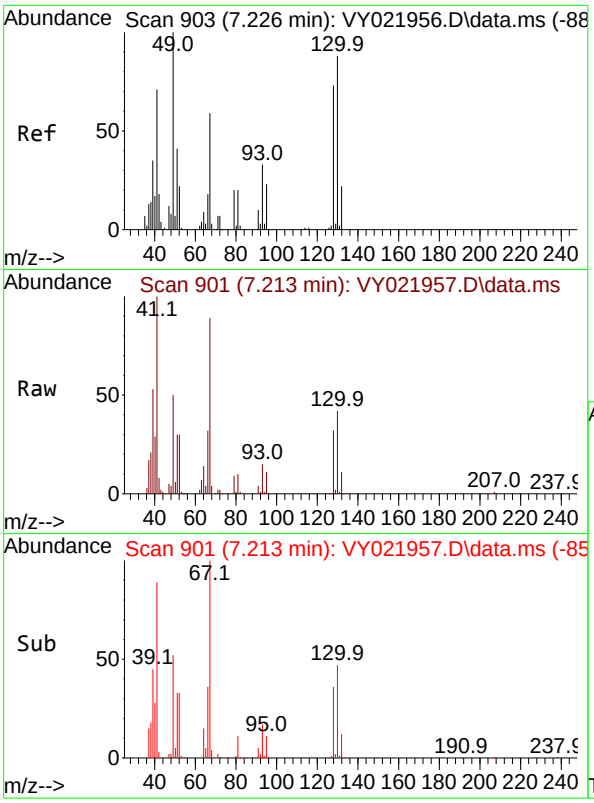


#40
Benzene
Concen: 102.038 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 78 Resp: 1466182

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9

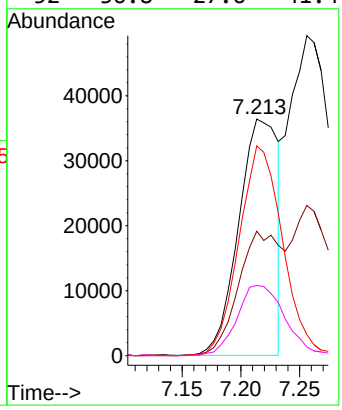




#41
Methacrylonitrile
Concen: 93.624 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 41 Resp: 8452

Ion	Ratio	Lower	Upper
41	100		
39	59.6	36.6	55.0
67	99.3	72.2	108.4
52	36.8	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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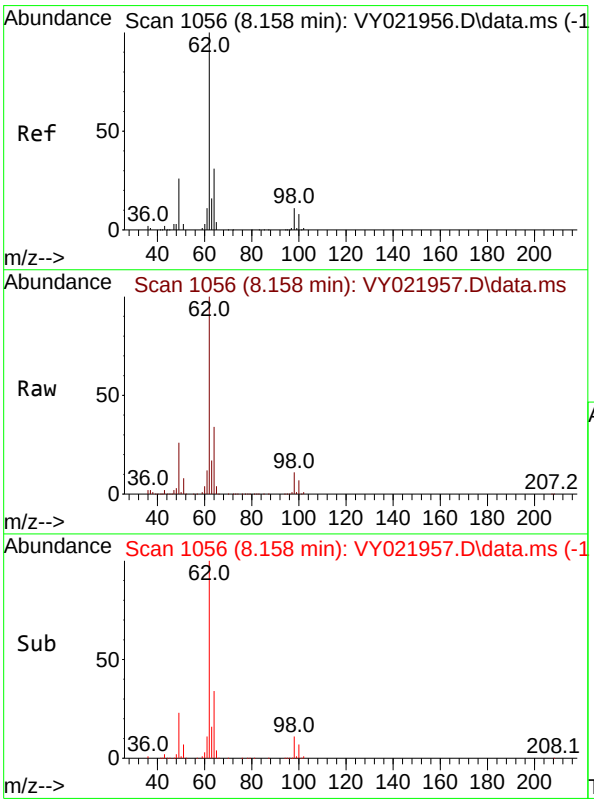
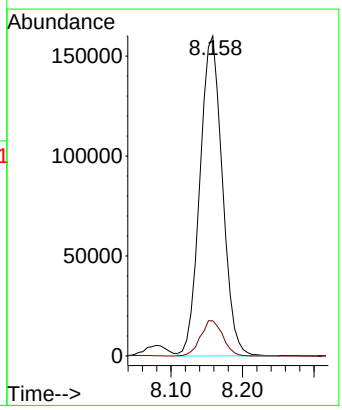
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

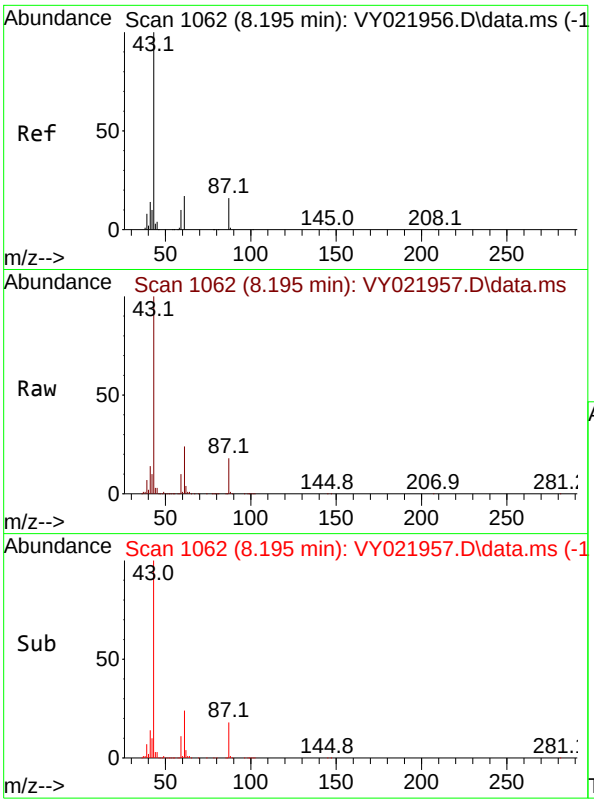


#42
1,2-Dichloroethane
Concen: 97.908 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 62 Resp: 348314

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.0

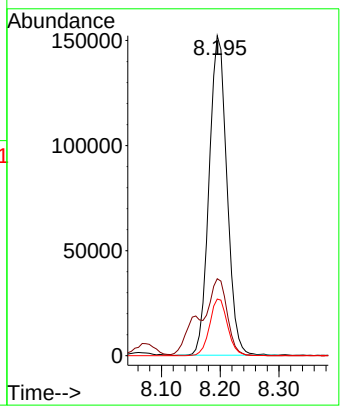




#43
Isopropyl Acetate
Concen: 100.828 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 31966

Ion	Ratio	Lower	Upper
43	100		
61	24.6	18.9	28.3
87	17.8	13.7	20.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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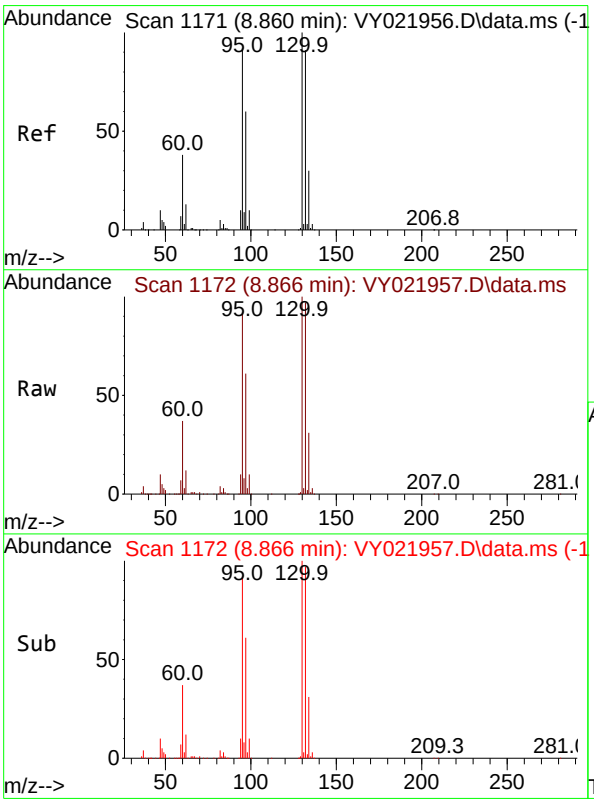
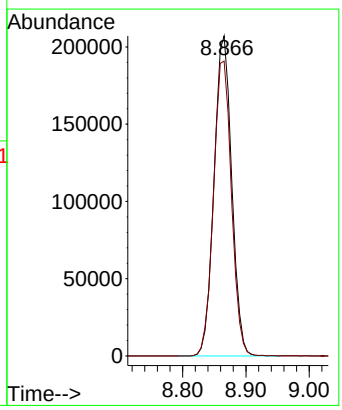
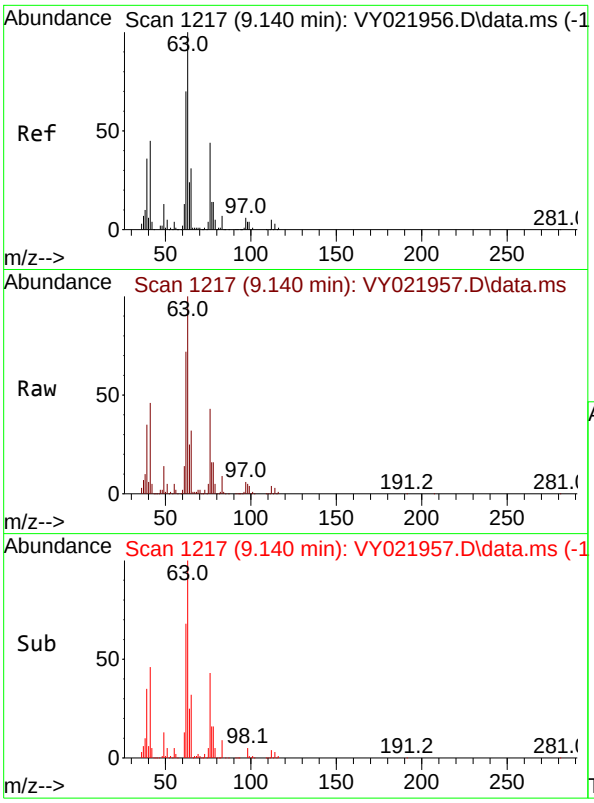


#44
Trichloroethene
Concen: 100.789 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:130 Resp: 401139

Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	183.2

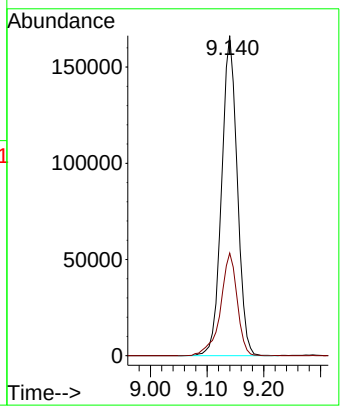




#45
1,2-Dichloropropane
Concen: 100.279 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 63 Resp: 31864

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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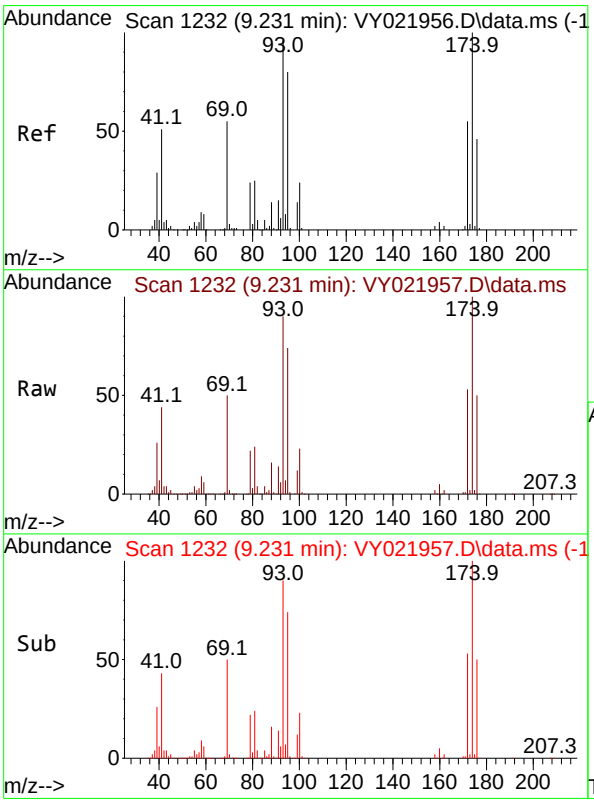
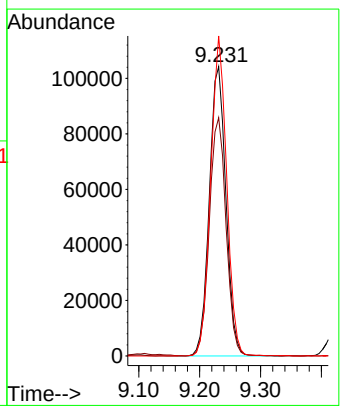
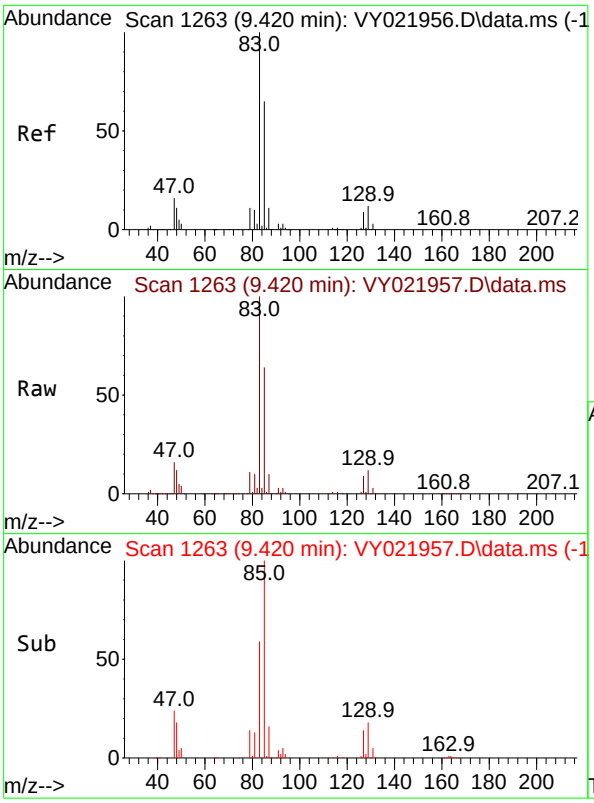


#46
Dibromomethane
Concen: 99.293 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 93 Resp: 197509

Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.7	100.1
174	106.6	84.6	127.0

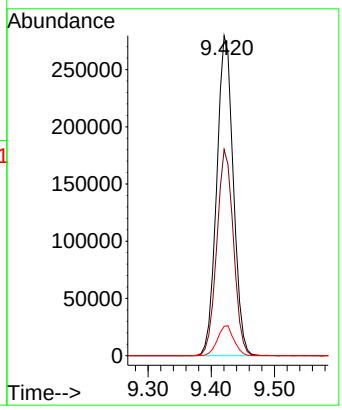




#47
Bromodichloromethane
Concen: 102.188 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 83 Resp: 50779

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.2	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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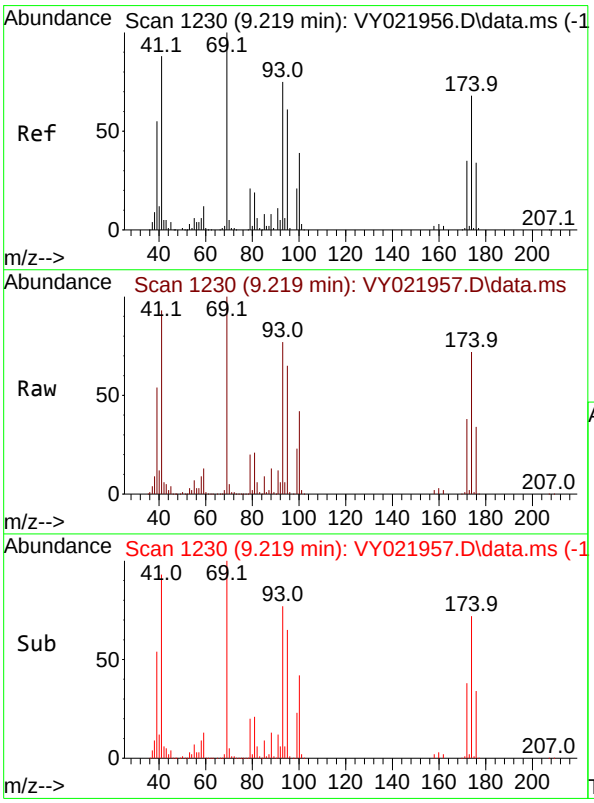
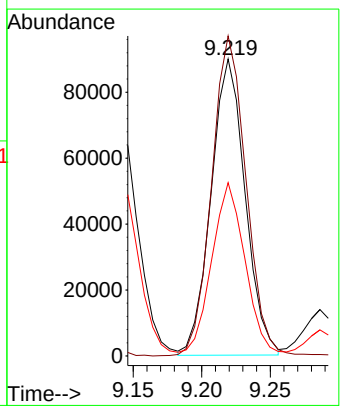
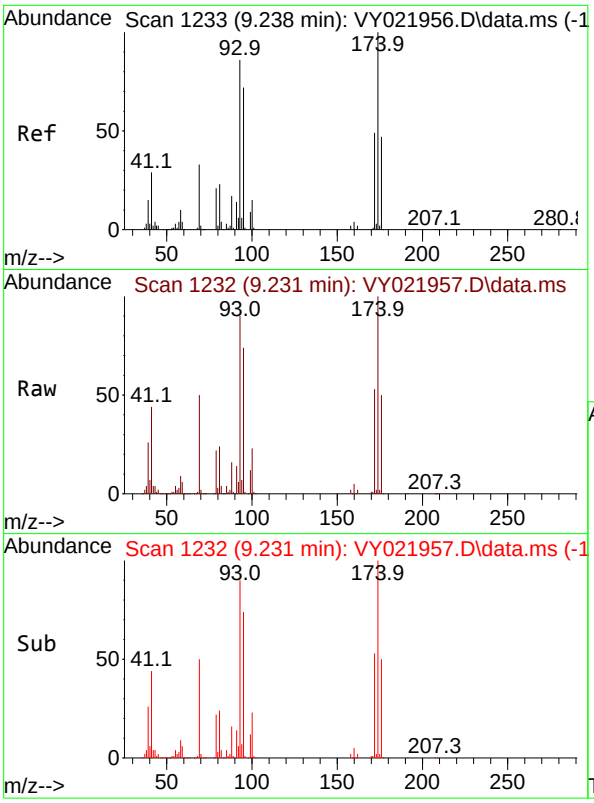


#48
Methyl methacrylate
Concen: 106.117 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 41 Resp: 155528

Ion	Ratio	Lower	Upper
41	100		
69	109.2	85.5	128.3
39	55.1	46.2	69.4

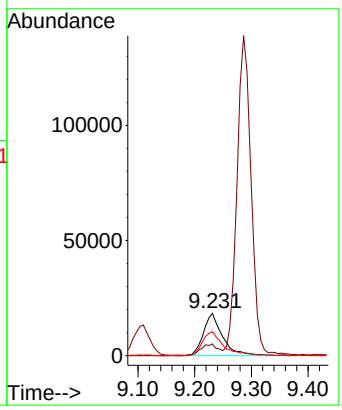




#49
1,4-Dioxane
Concen: 2036.490 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 88 Resp: 4317

Ion	Ratio	Lower	Upper
88	100		
43	24.3	21.3	31.9
58	62.9	50.5	75.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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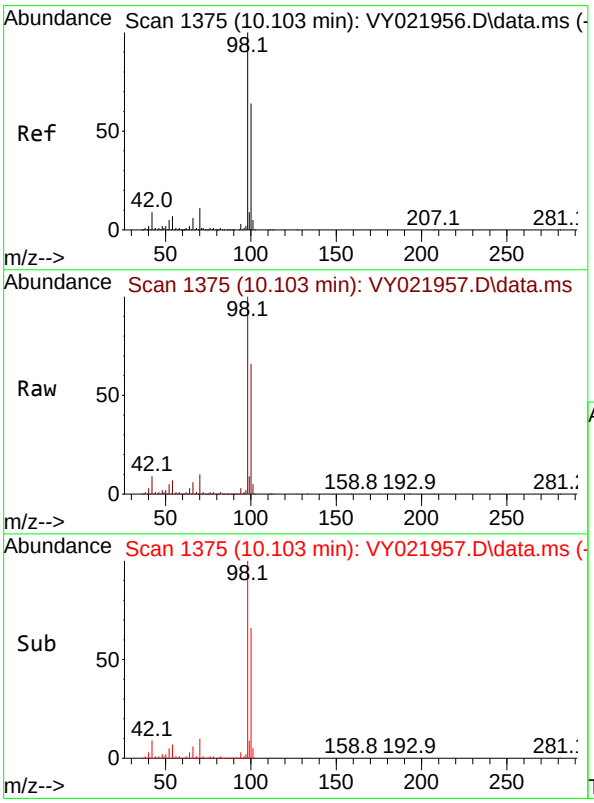
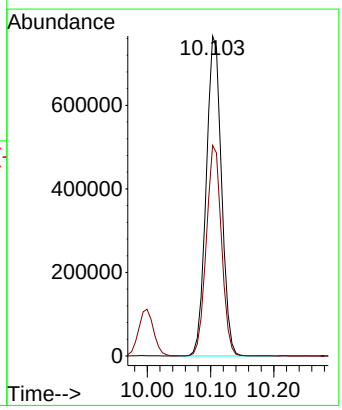
Supervised By :Mahesh Dadoda 04/23/2025

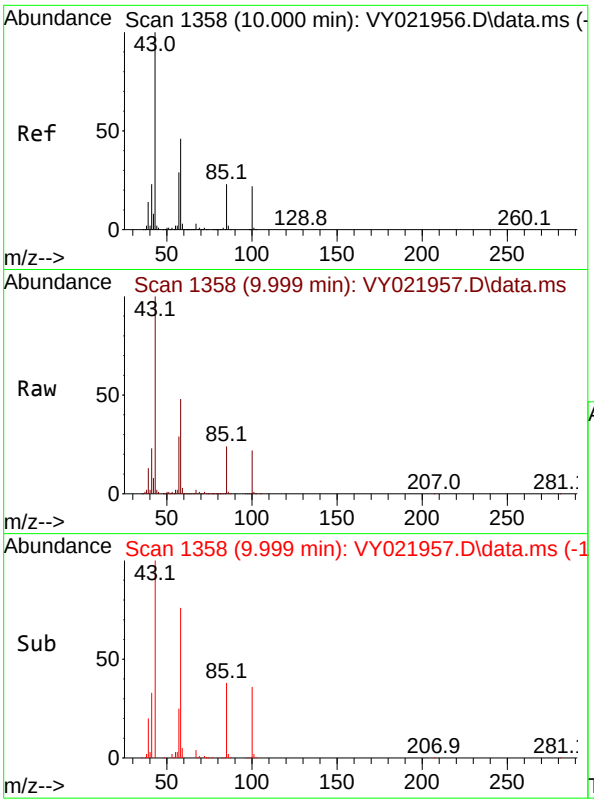


#50
Toluene-d8
Concen: 99.860 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 98 Resp: 1288287

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.6	77.4

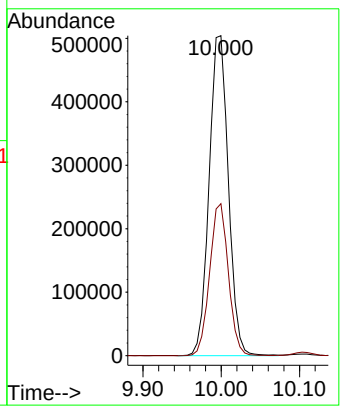




#51
4-Methyl-2-Pentanone
Concen: 517.403 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 85990

Ion	Ratio	Lower	Upper
43	100		
58	46.3	36.6	55.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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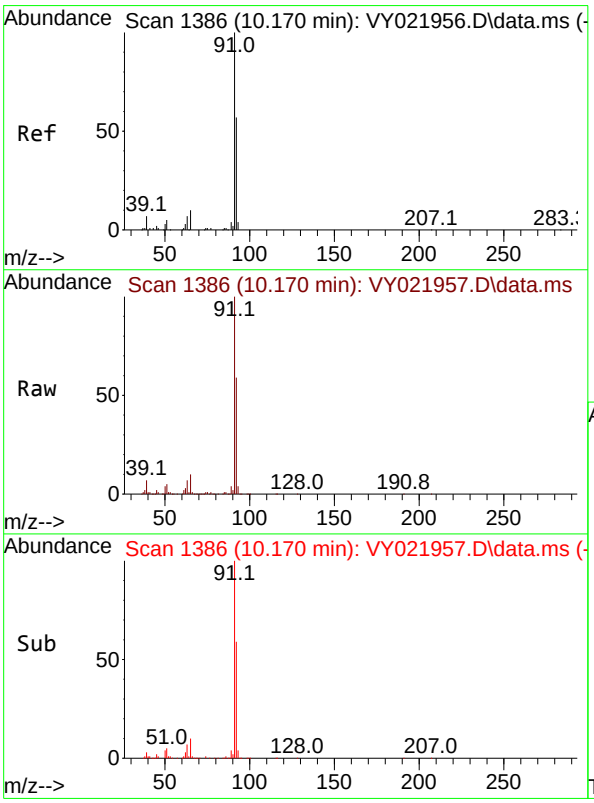
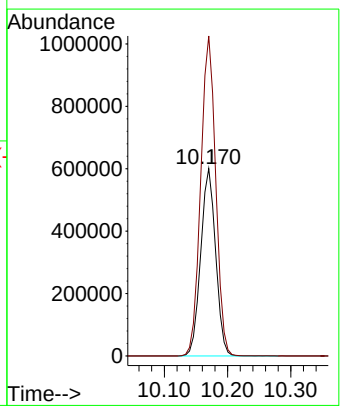
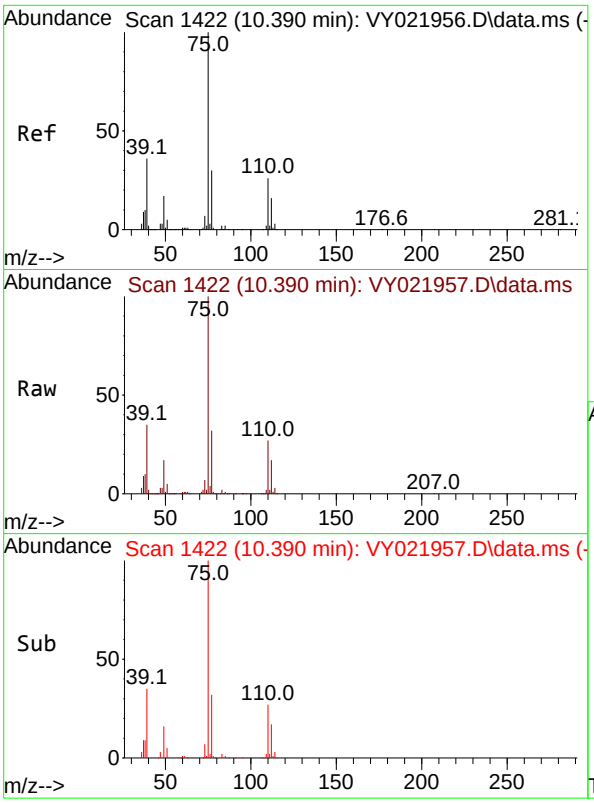


#52
Toluene
Concen: 106.068 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 92 Resp: 986553

Ion	Ratio	Lower	Upper
92	100		
91	171.9	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 106.213 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 45271

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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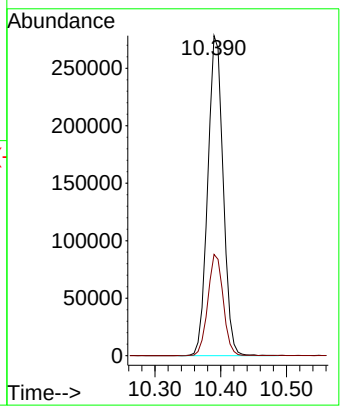
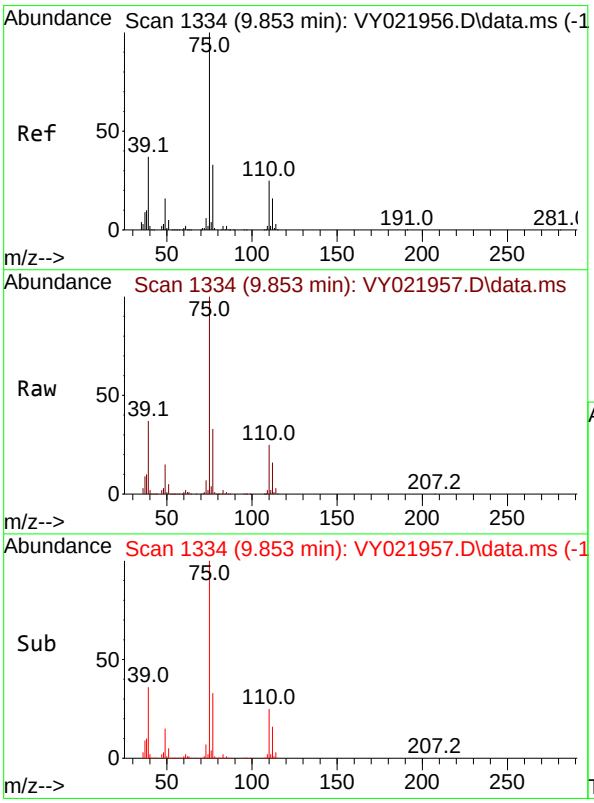
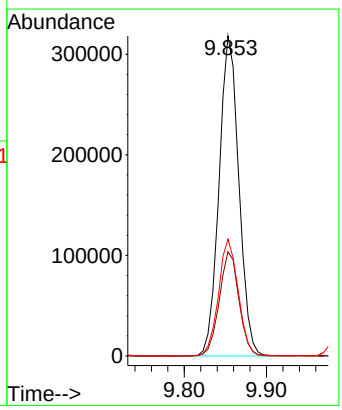


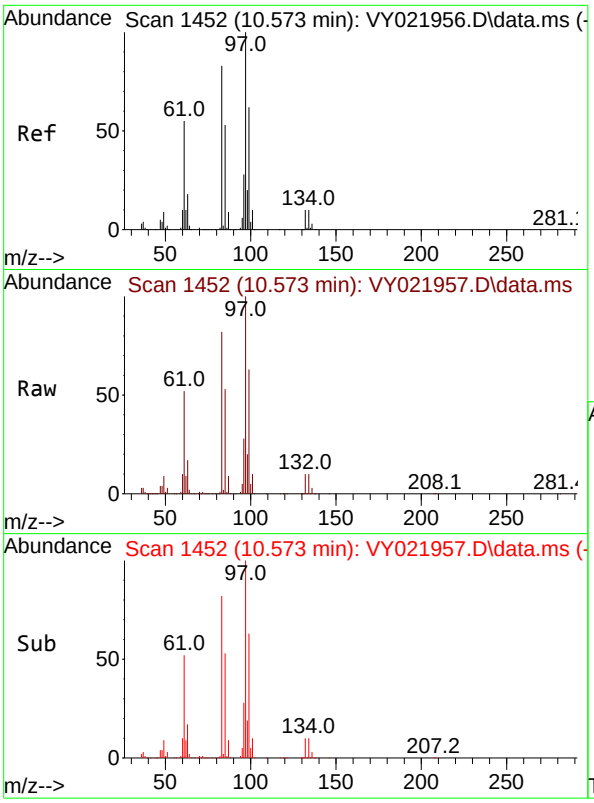


#54
cis-1,3-Dichloropropene
Concen: 105.017 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 532092

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.6	40.0
39	36.5	29.6	44.4

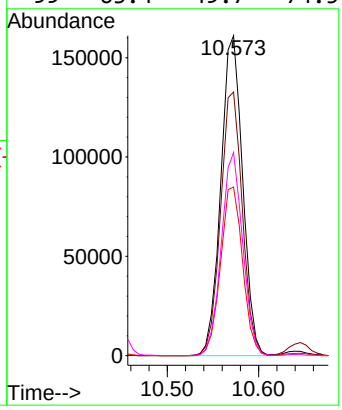




#55
1,1,2-Trichloroethane
Concen: 100.667 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 97 Resp: 26747

Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.7	100.1
85	52.7	42.6	64.0
99	63.4	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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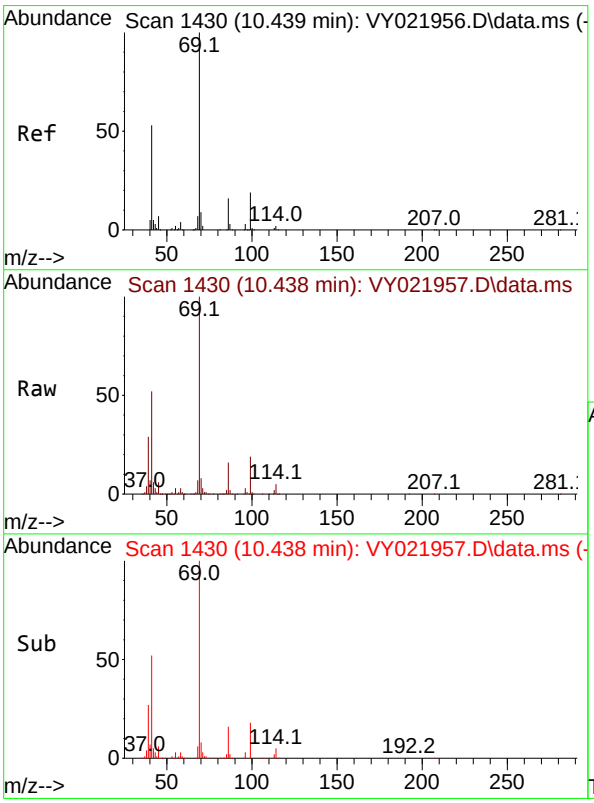
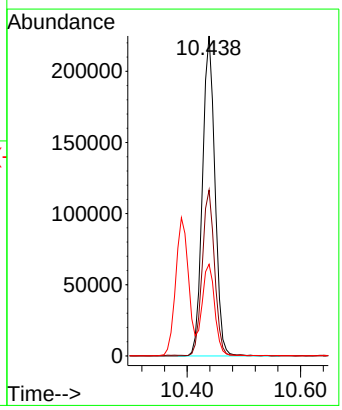
Supervised By :Mahesh Dadoda 04/23/2025

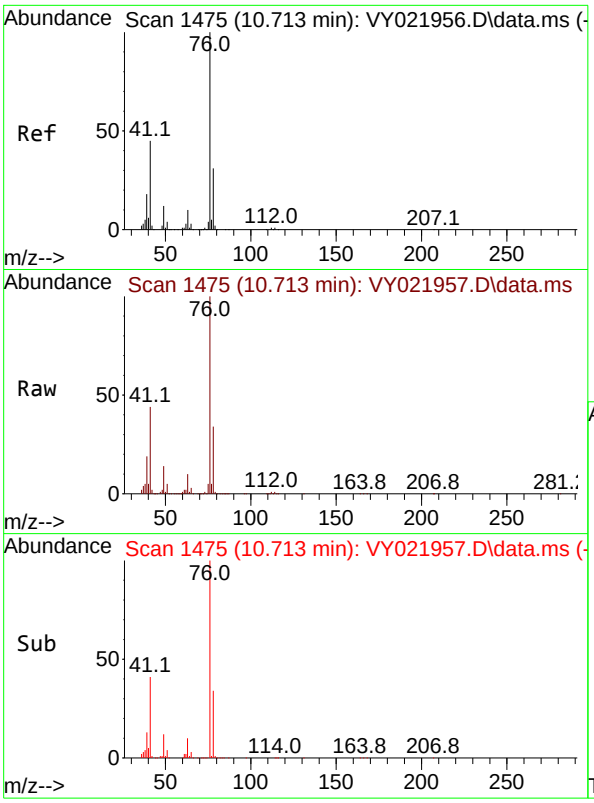


#56
Ethyl methacrylate
Concen: 113.068 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 69 Resp: 343556

Ion	Ratio	Lower	Upper
69	100		
41	51.2	40.7	61.1
39	28.9	23.3	34.9

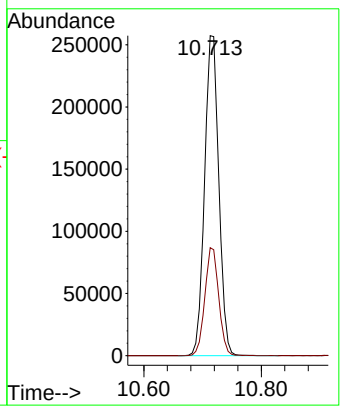




#57
1,3-Dichloropropane
Concen: 101.498 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 76 Resp: 43234

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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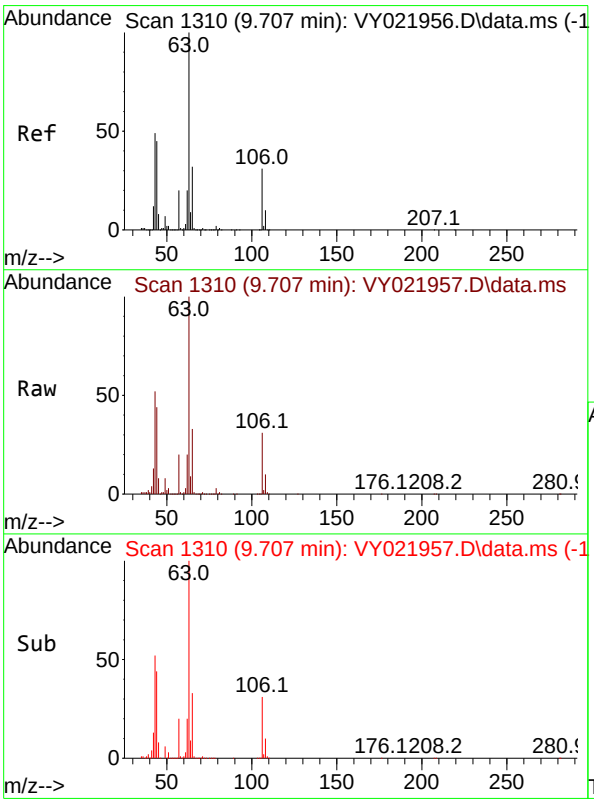
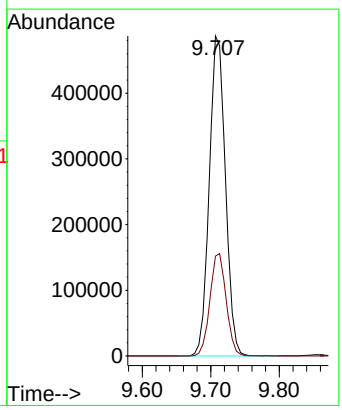
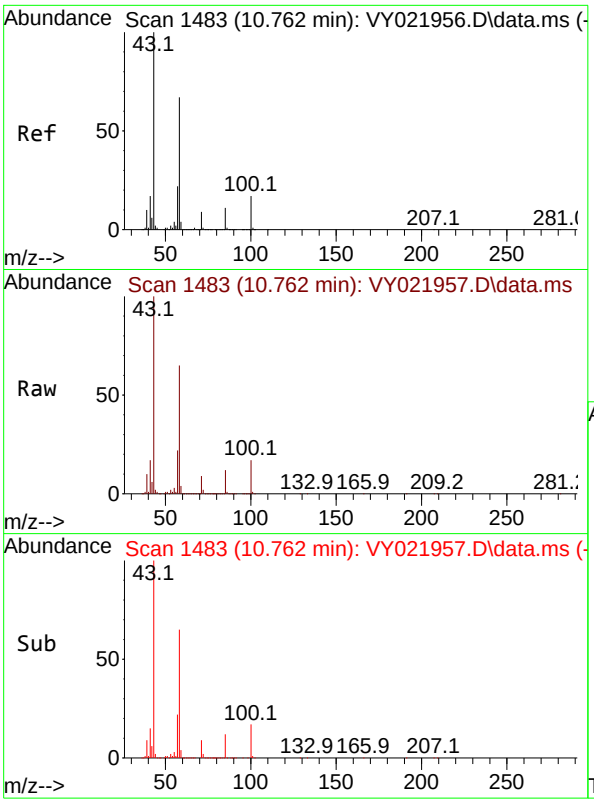


#58
2-Chloroethyl Vinyl ether
Concen: 536.469 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 63 Resp: 796991

Ion	Ratio	Lower	Upper
63	100		
106	32.1	25.3	37.9

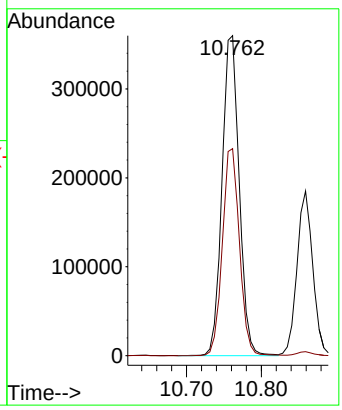




#59
2-Hexanone
Concen: 523.558 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 57392

Ion	Ratio	Lower	Upper
43	100		
58	64.5	32.0	96.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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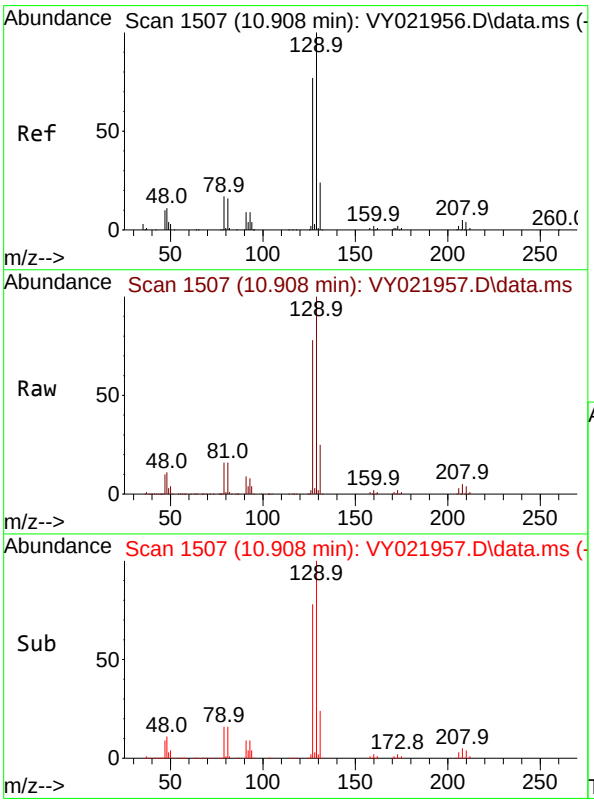
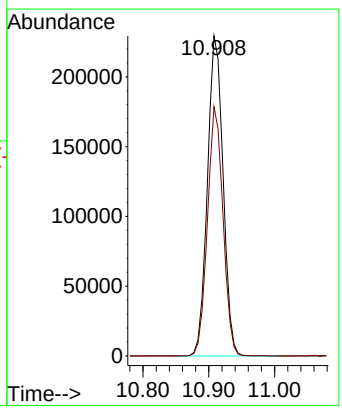
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

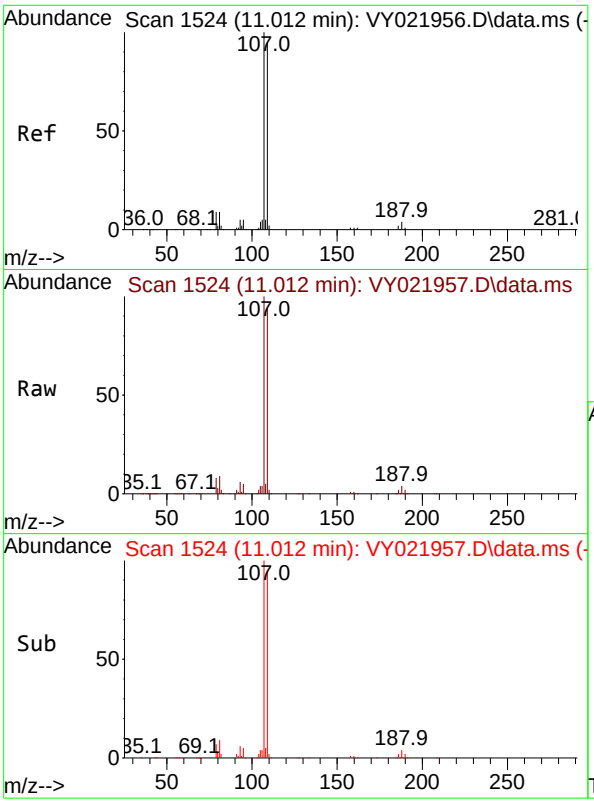


#60
Dibromochloromethane
Concen: 103.302 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:129 Resp: 380014

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.3

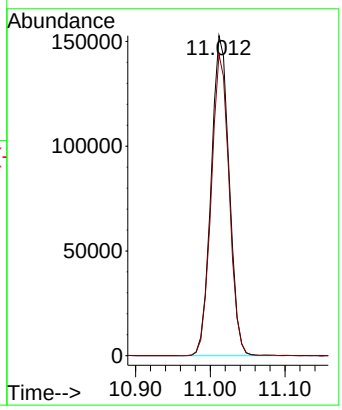




#61
1,2-Dibromoethane
Concen: 102.087 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:107 Resp: 25607

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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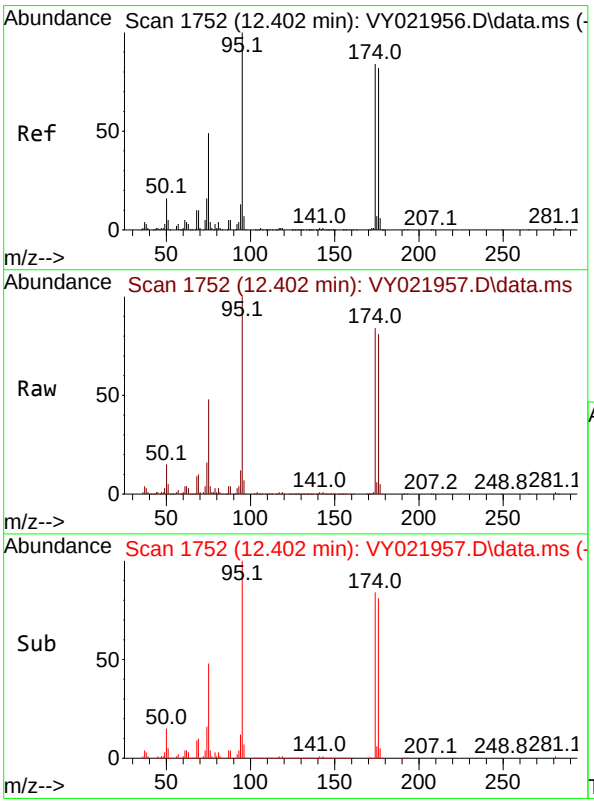
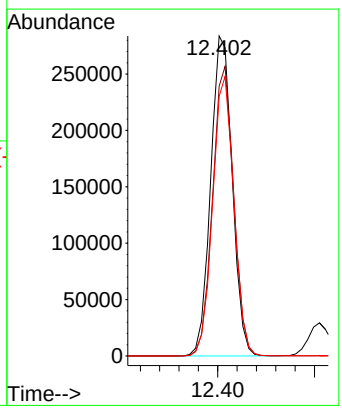
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

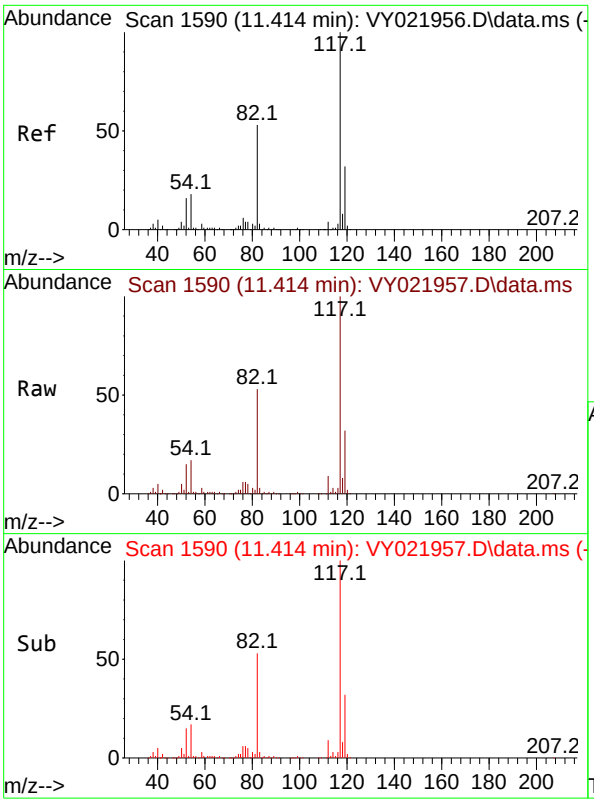


#62
4-Bromofluorobenzene
Concen: 100.832 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 95 Resp: 437911

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	179.0
176	85.8	0.0	171.8

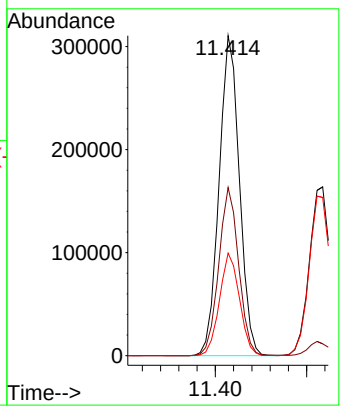




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:117 Resp: 47977

Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.1	63.1
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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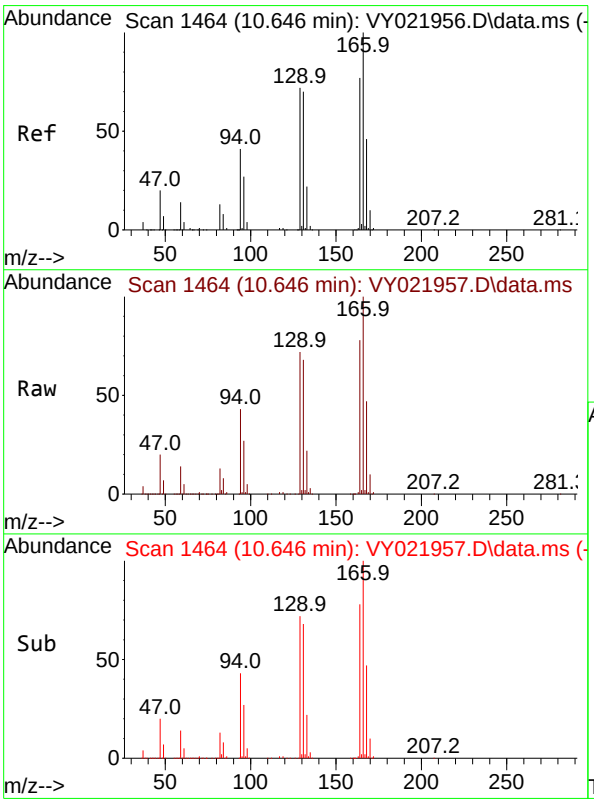
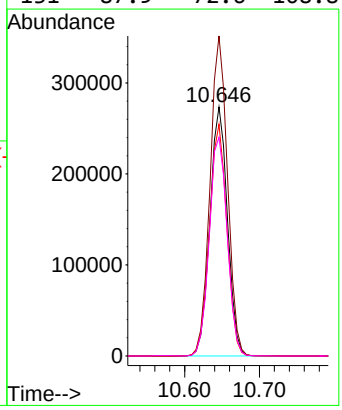
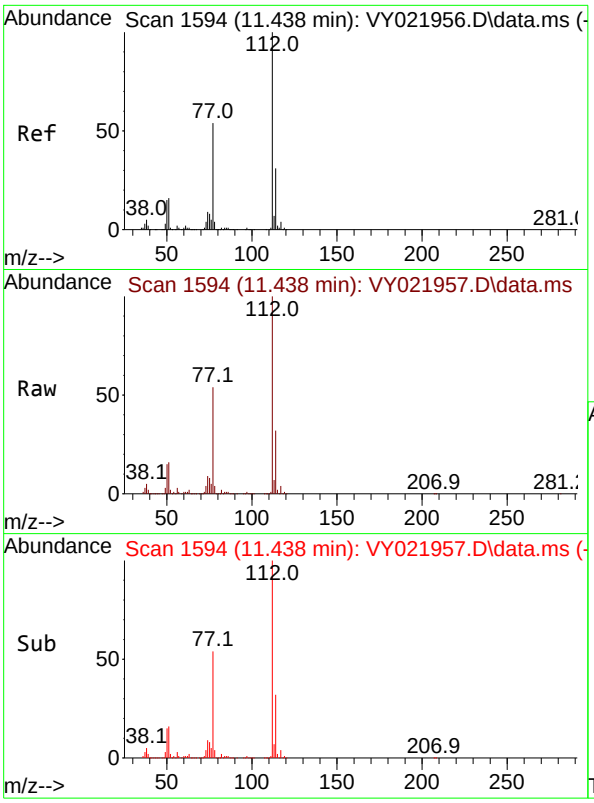


#64
Tetrachloroethene
Concen: 98.761 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:164 Resp: 446995

Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.6	155.4
129	93.1	74.2	111.4
131	87.9	72.6	108.8

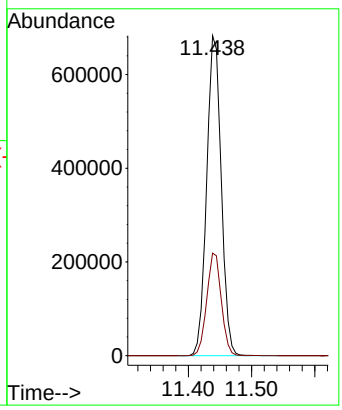




#65
Chlorobenzene
Concen: 101.831 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:112 Resp: 109254

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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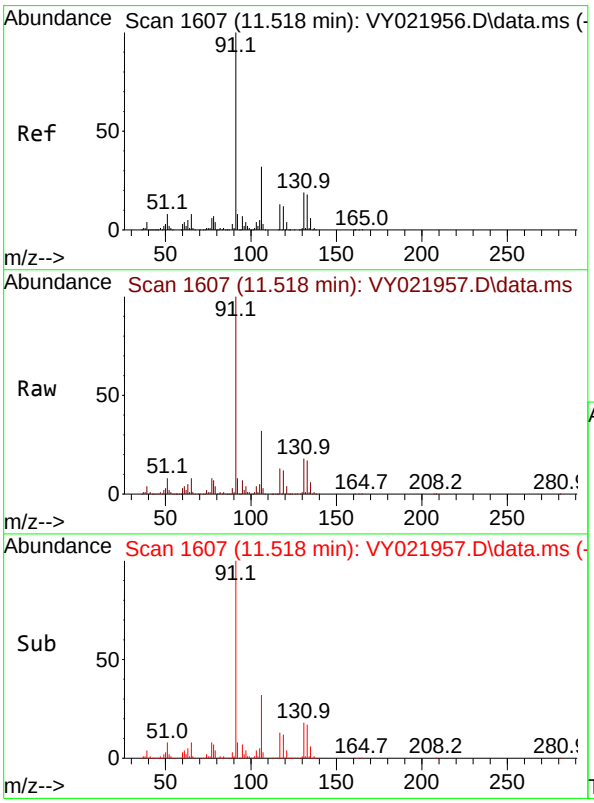
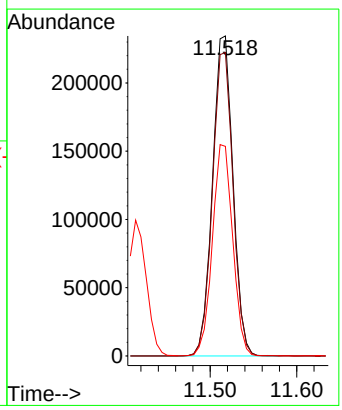
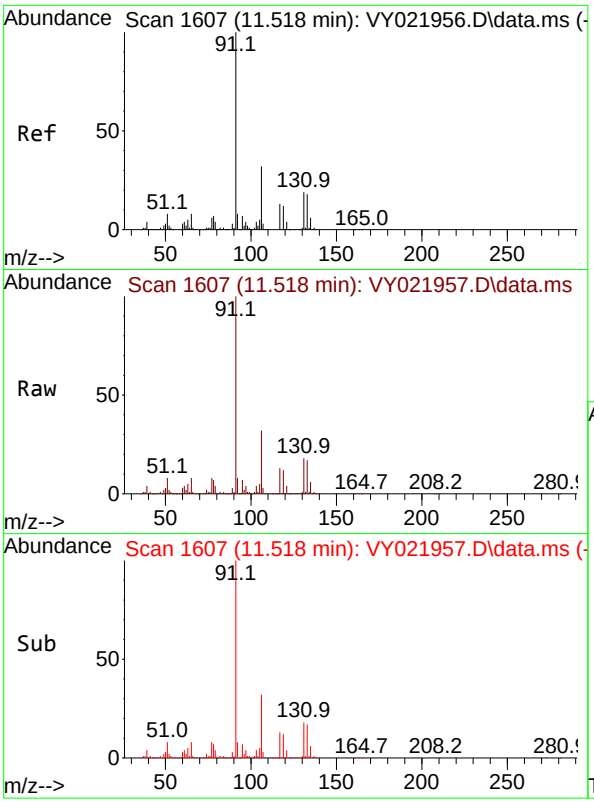


#66
1,1,1,2-Tetrachloroethane
Concen: 101.907 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:131 Resp: 384924

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.8	143.3
119	65.6	32.4	97.0





#67
Ethyl Benzene
Concen: 108.806 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 190963

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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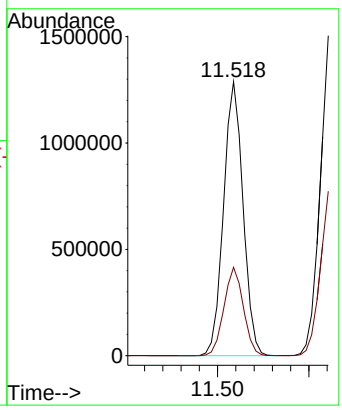
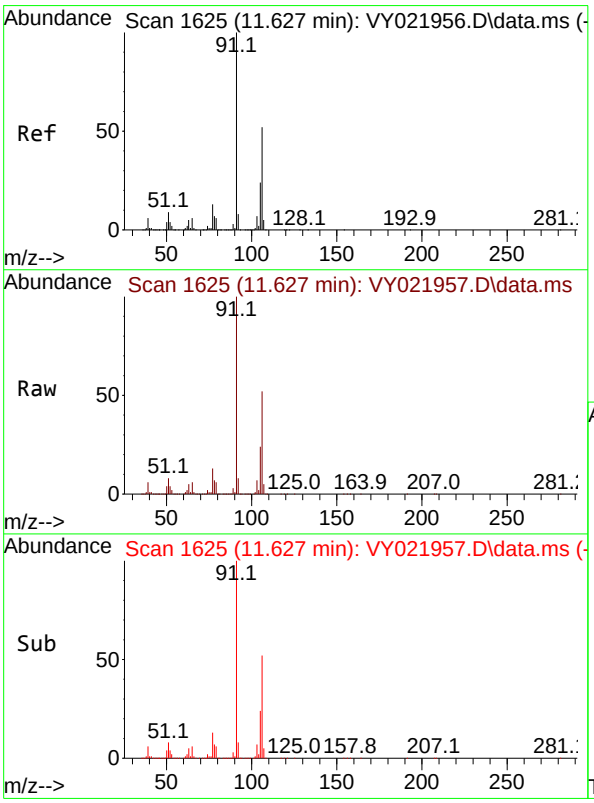
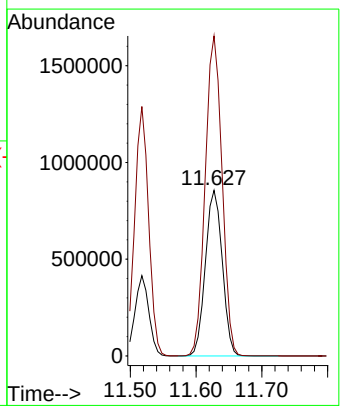


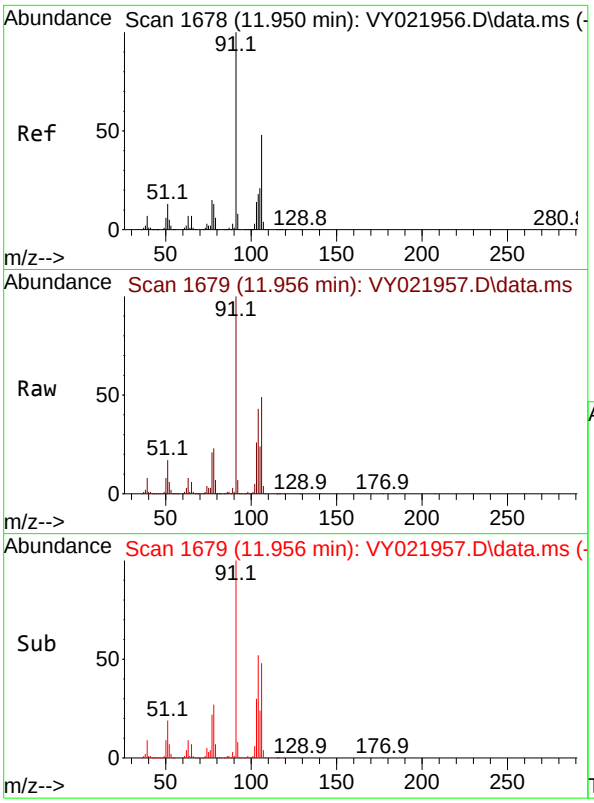


#68
m/p-Xylenes
Concen: 218.926 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:106 Resp: 1528954

Ion	Ratio	Lower	Upper
106	100		
91	192.6	156.2	234.2

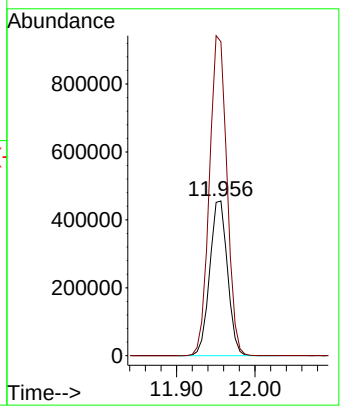




#69
o-Xylene
Concen: 111.334 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:106 Resp: 71665

Ion	Ratio	Lower	Upper
106	100		
91	204.4	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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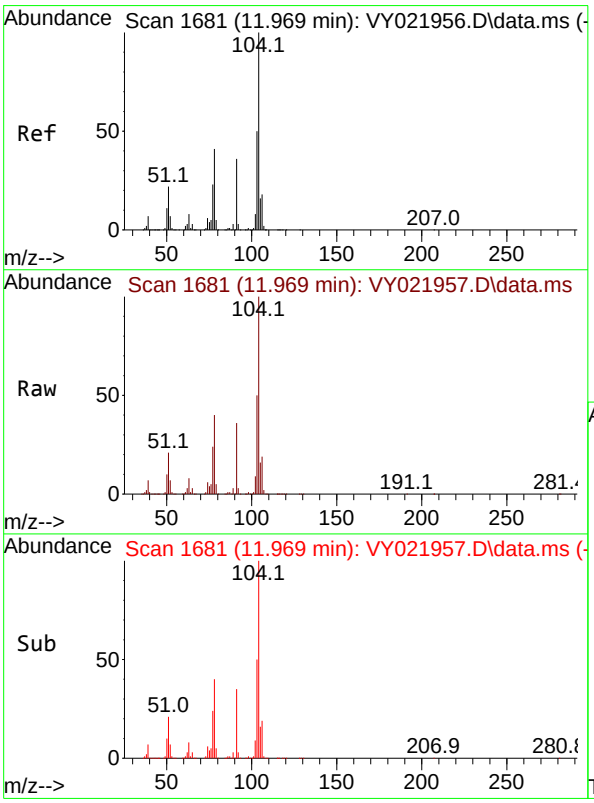
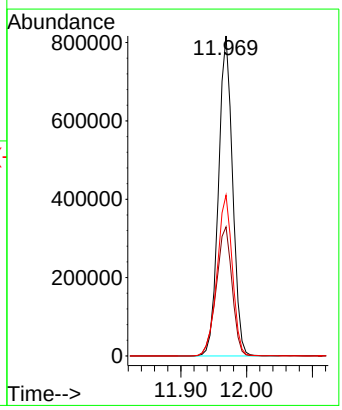
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

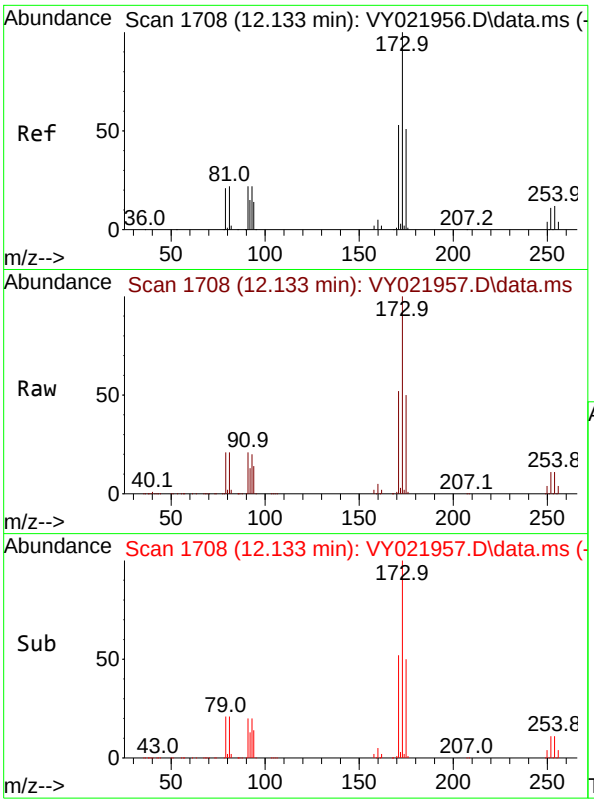


#70
Styrene
Concen: 112.940 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:104 Resp: 1220634

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.6	54.8
103	54.4	43.8	65.8

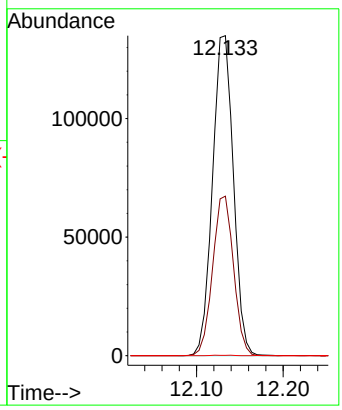




#71
Bromoform
Concen: 102.945 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:173 Resp: 22607

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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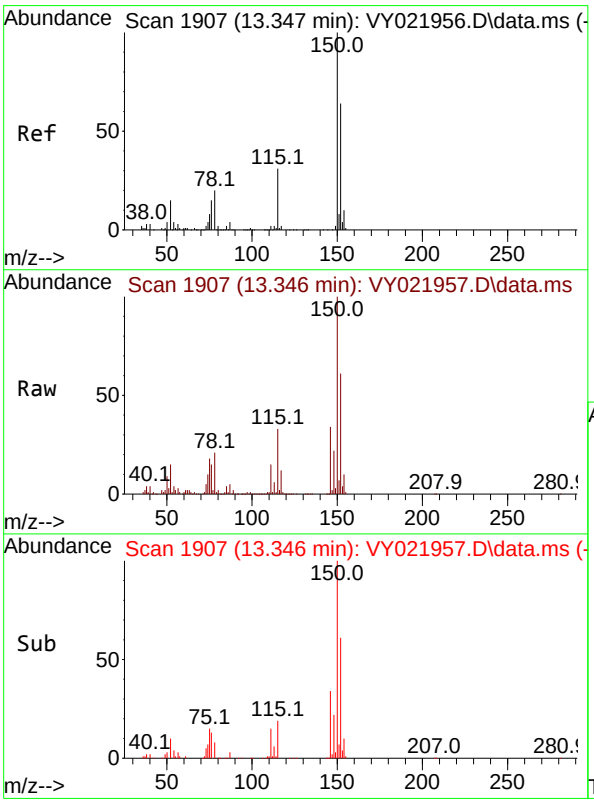
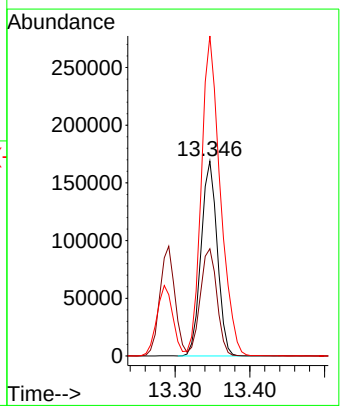
Supervised By :Mahesh Dadoda 04/23/2025

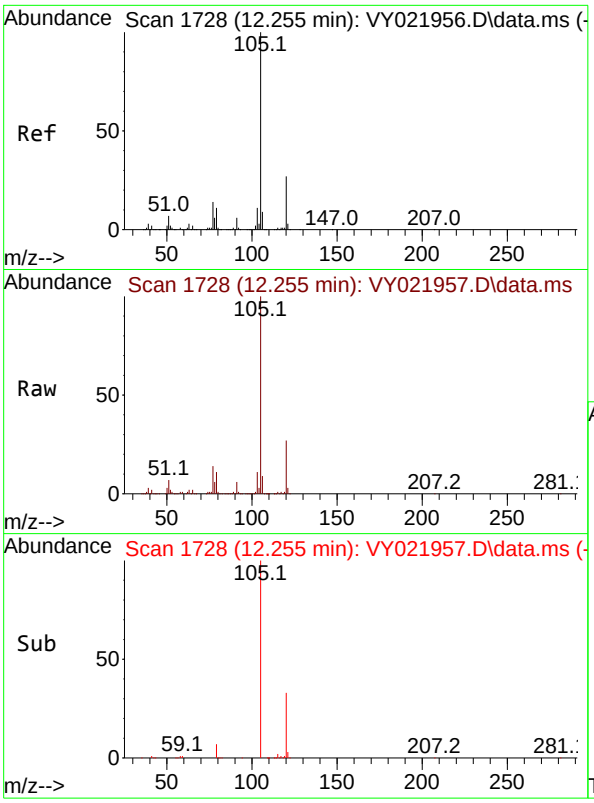


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:152 Resp: 253936

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	192.4	0.0	345.6

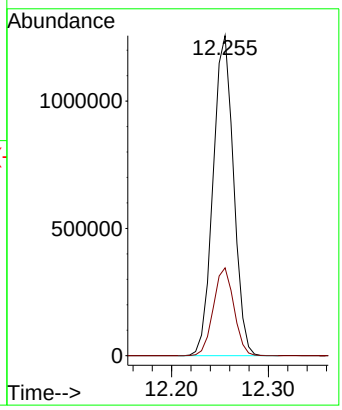




#73
Isopropylbenzene
Concen: 108.944 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 184830

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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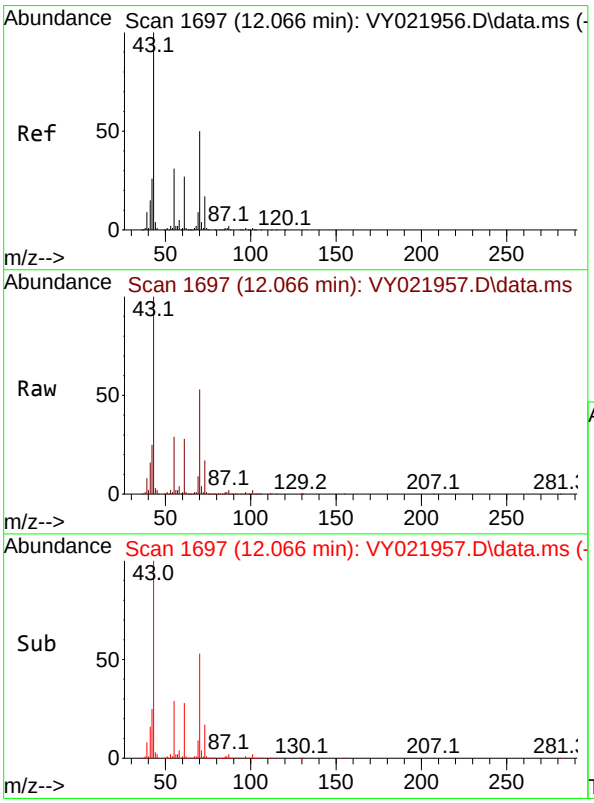
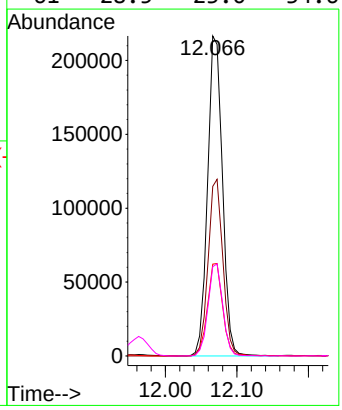
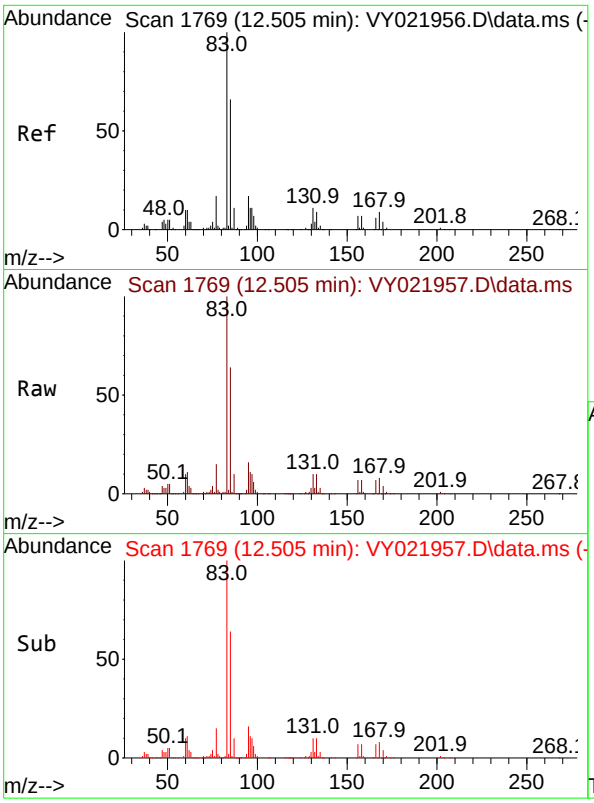


#74
N-amyl acetate
Concen: 107.236 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 312577

Ion	Ratio	Lower	Upper
43	100		
70	55.0	43.2	64.8
55	29.7	25.7	38.5
61	28.5	23.0	34.6

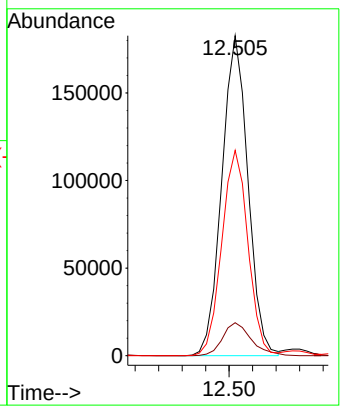




#75
1,1,2,2-Tetrachloroethane
Concen: 98.509 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 83 Resp: 28176

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.3	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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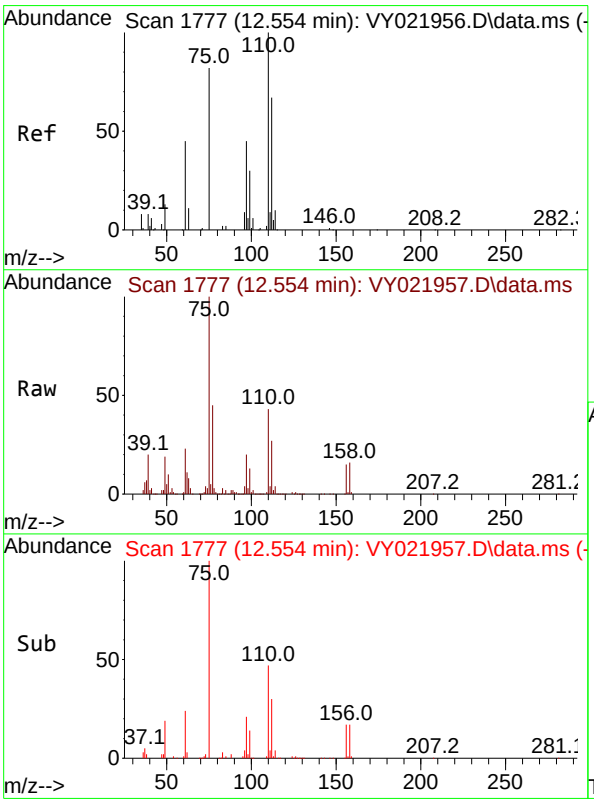
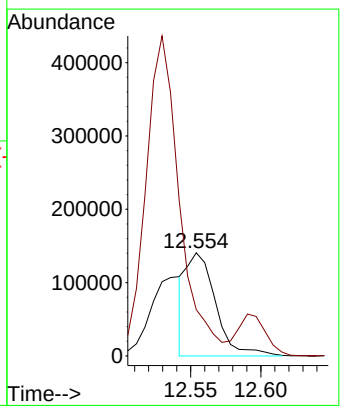
Supervised By :Mahesh Dadoda 04/23/2025

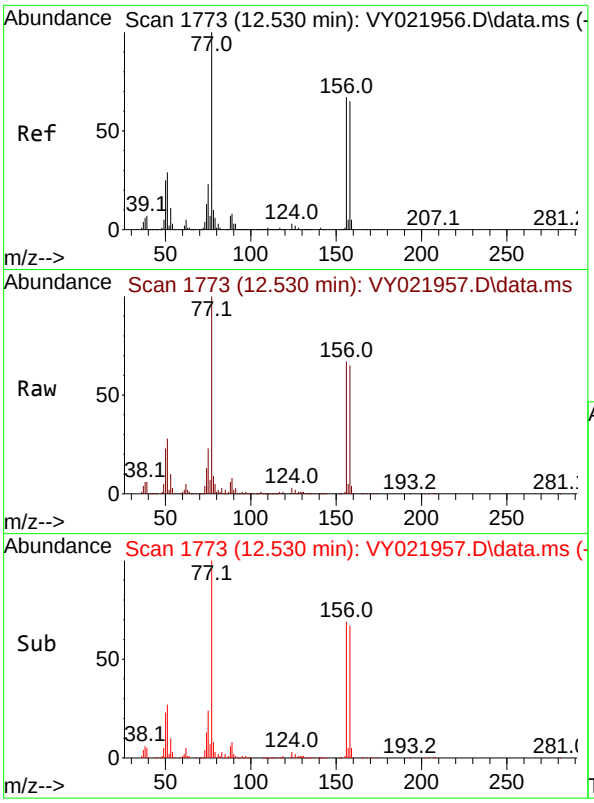


#76
1,2,3-Trichloropropane
Concen: 92.537 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 207056

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

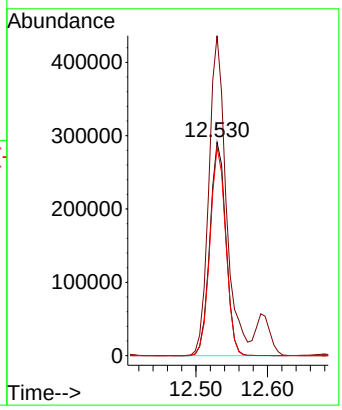




#77
Bromobenzene
Concen: 105.415 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:156 Resp: 45191

Ion	Ratio	Lower	Upper
156	100		
77	161.7	82.7	248.1
158	96.5	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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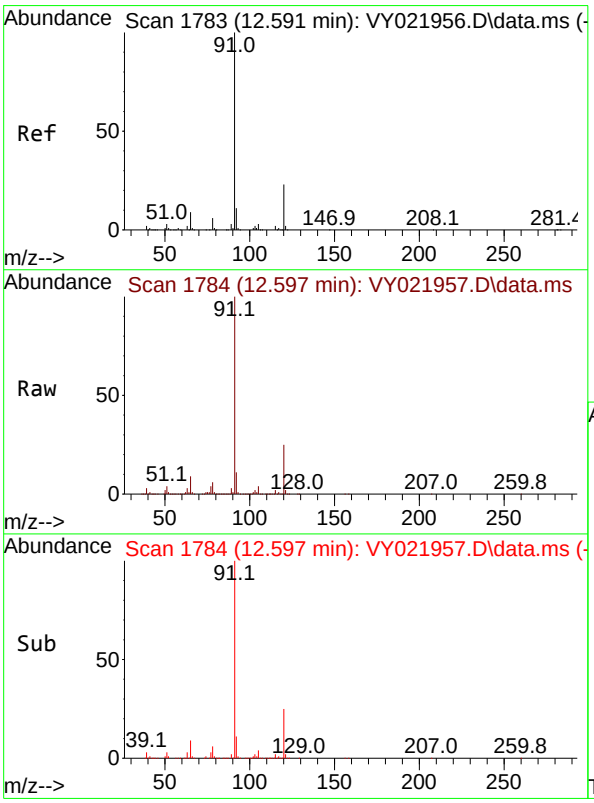
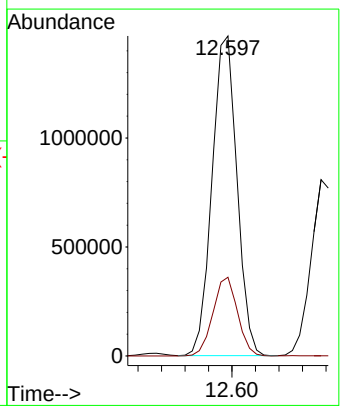
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

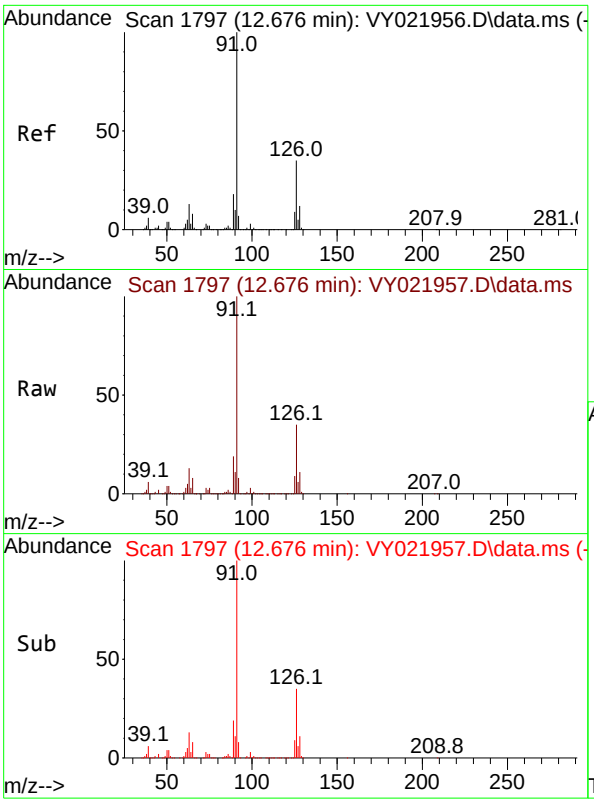


#78
n-propylbenzene
Concen: 107.039 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 2162620

Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.5





#79
2-Chlorotoluene
Concen: 105.231 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 123645

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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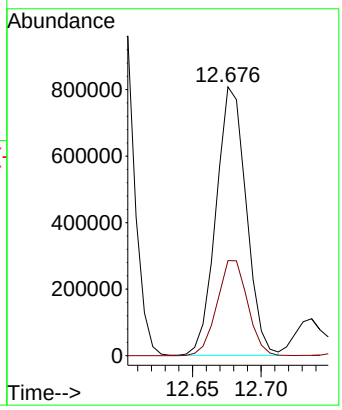
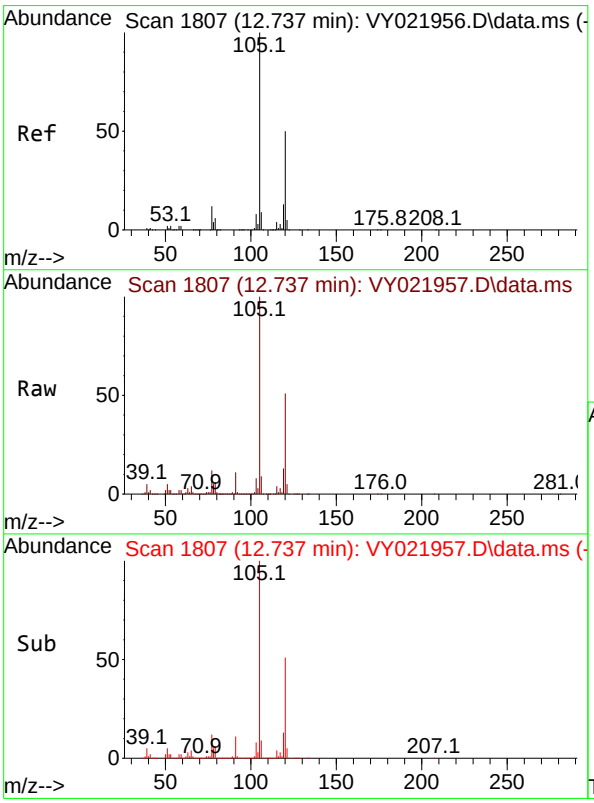
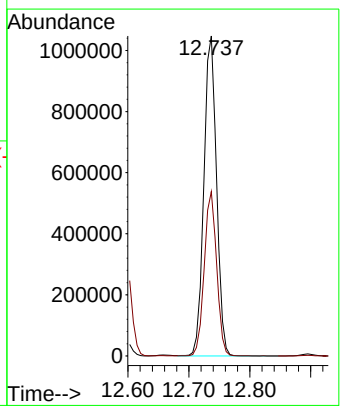


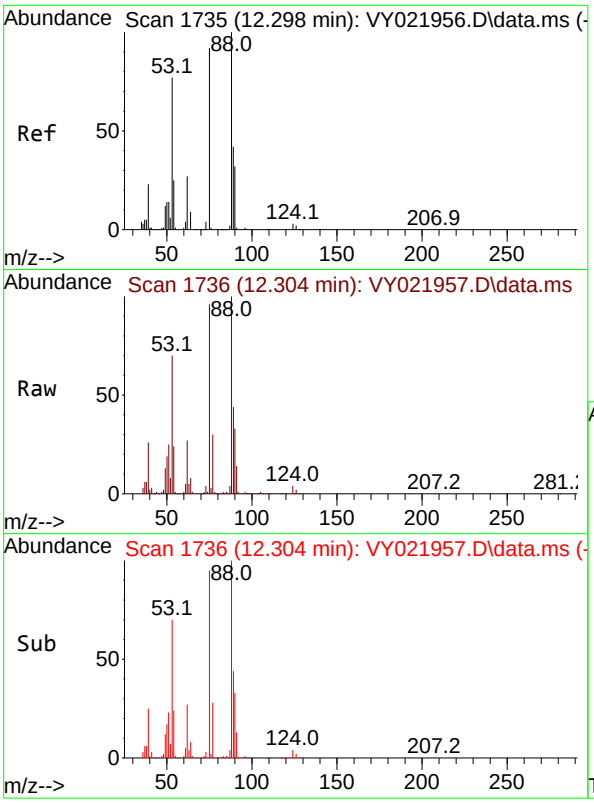


#80
1,3,5-Trimethylbenzene
Concen: 108.183 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 1512269

Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 101.673 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 9183

Ion	Ratio	Lower	Upper
75	100		
53	79.2	66.0	99.0
89	47.2	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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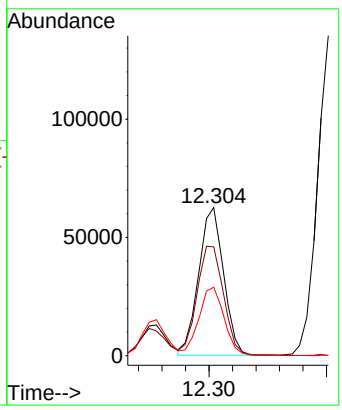
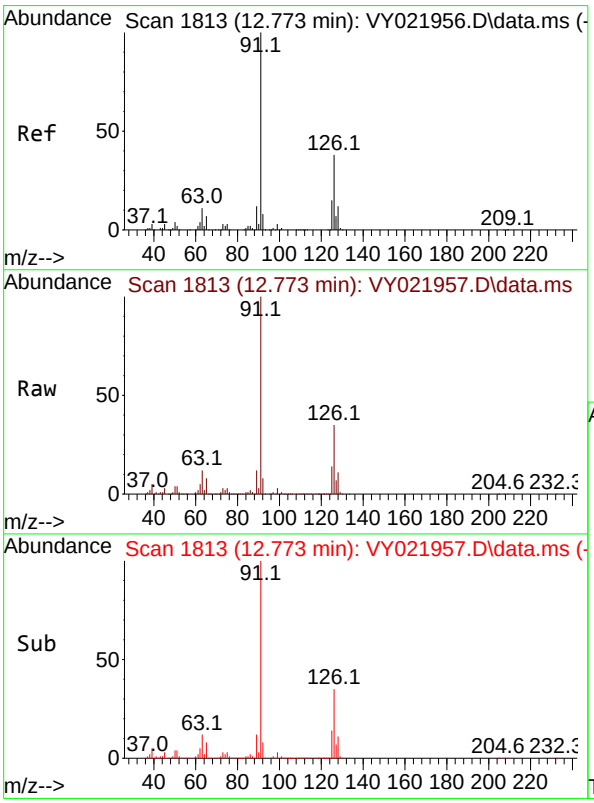
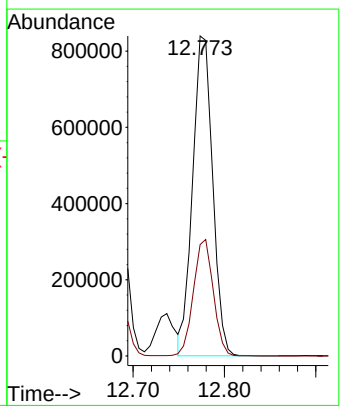


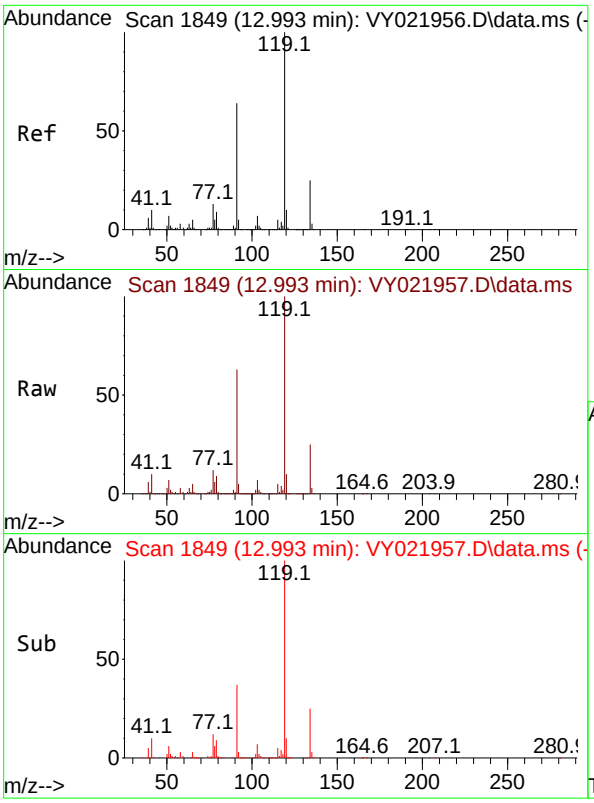


#82
4-Chlorotoluene
Concen: 104.825 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 1280377

Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.8

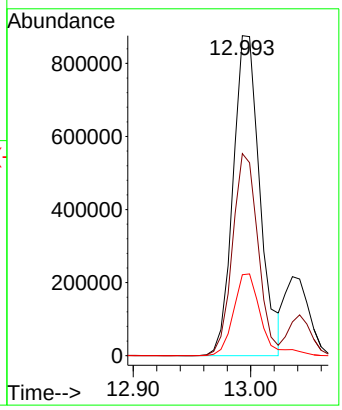




#83
tert-Butylbenzene
Concen: 110.389 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:119 Resp: 138392

Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.3	90.9
134	26.3	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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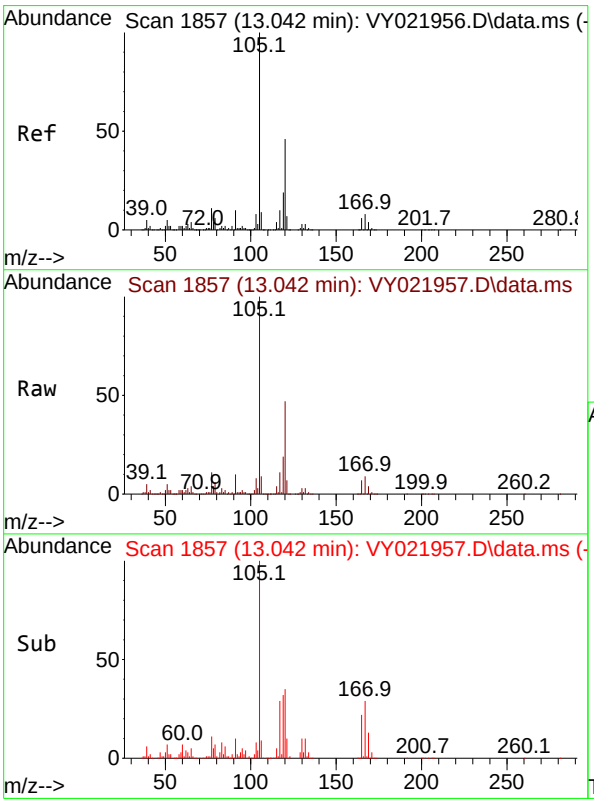
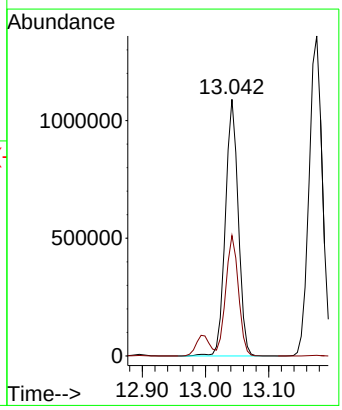
Supervised By :Mahesh Dadoda 04/23/2025

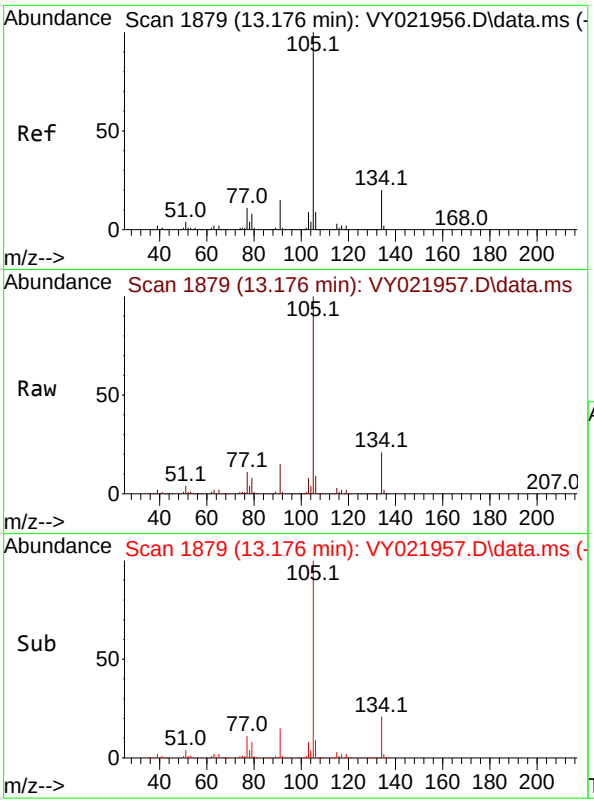


#84
1,2,4-Trimethylbenzene
Concen: 109.940 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 1537175

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.0

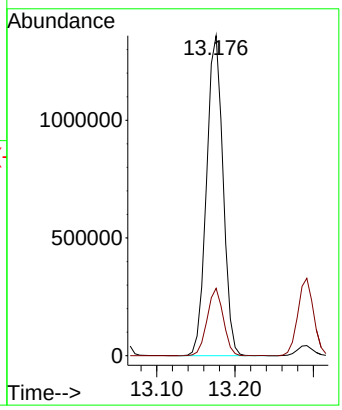




#85
sec-Butylbenzene
Concen: 107.920 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 197982

Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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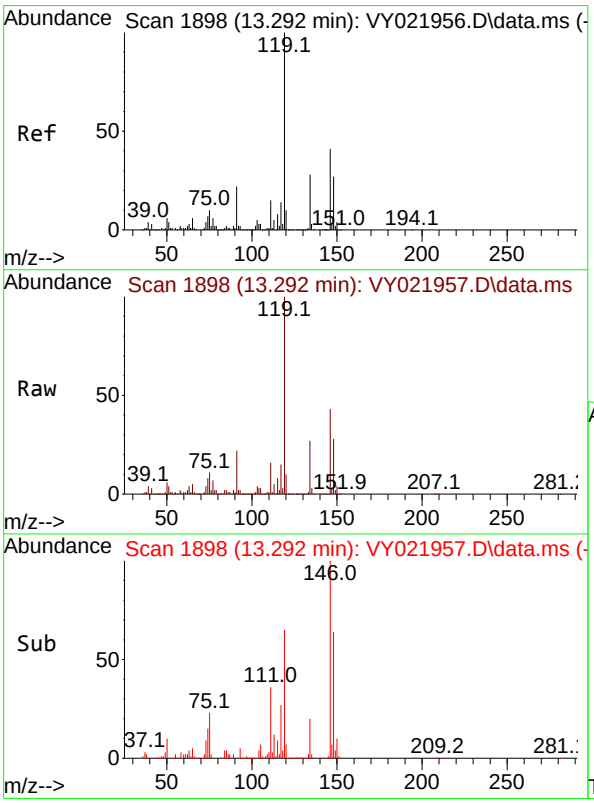
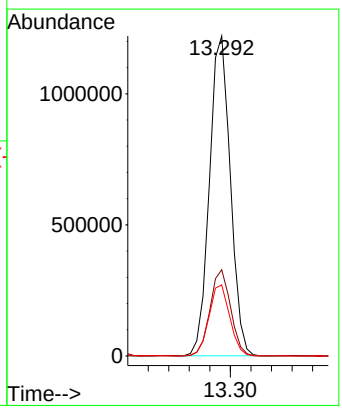
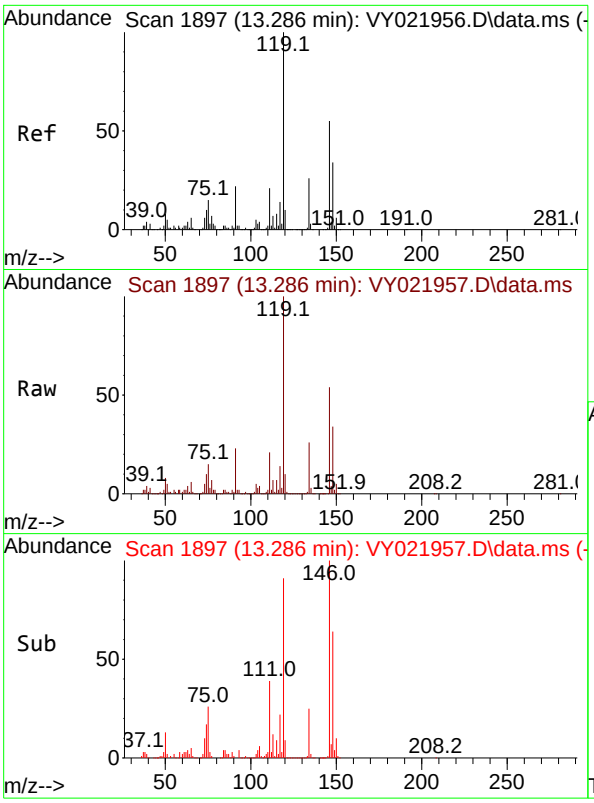


#86
p-Isopropyltoluene
Concen: 110.405 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:119 Resp: 1719877

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	22.1	11.0	33.0





#87
1,3-Dichlorobenzene
Concen: 104.350 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:146 Resp: 90857

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	63.3	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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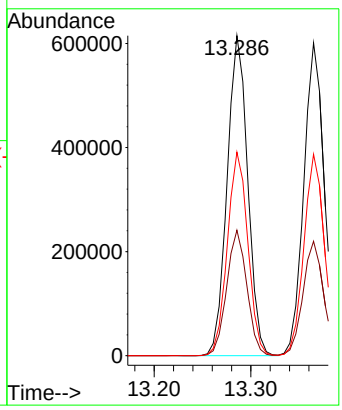
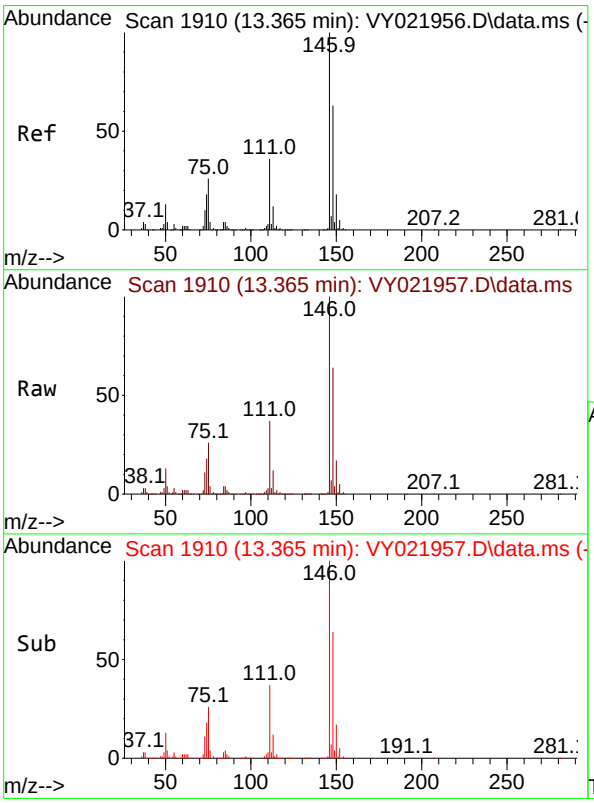
Supervised By :Mahesh Dadoda 04/23/2025

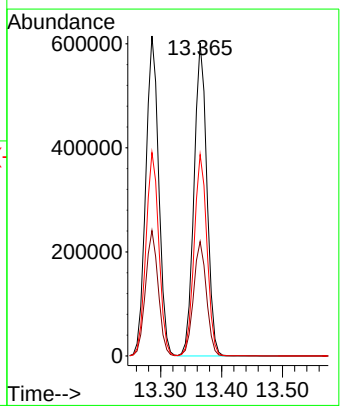


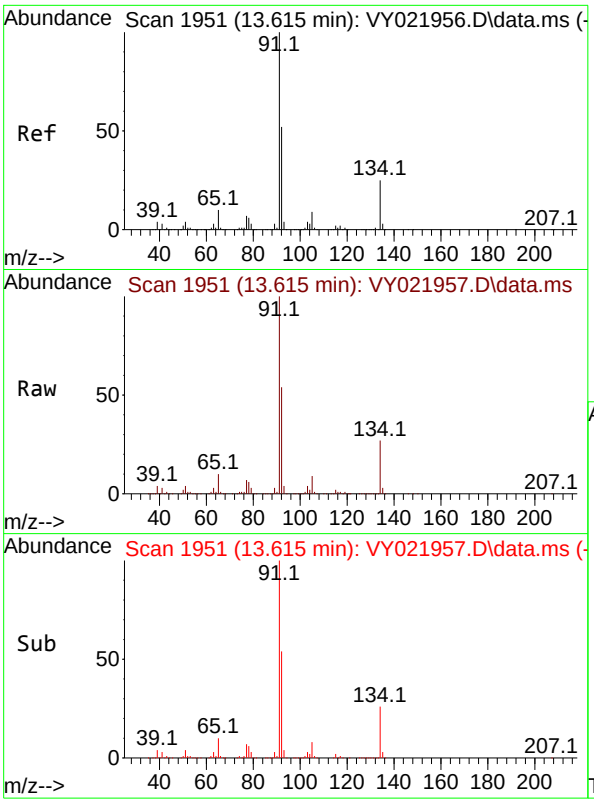


#88
1,4-Dichlorobenzene
Concen: 102.083 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:146 Resp: 880300

Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.2	57.6
148	64.3	32.0	96.0

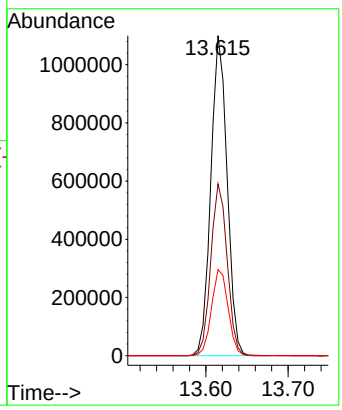




#89
n-Butylbenzene
Concen: 108.535 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 151123

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.5	79.5
134	27.5	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
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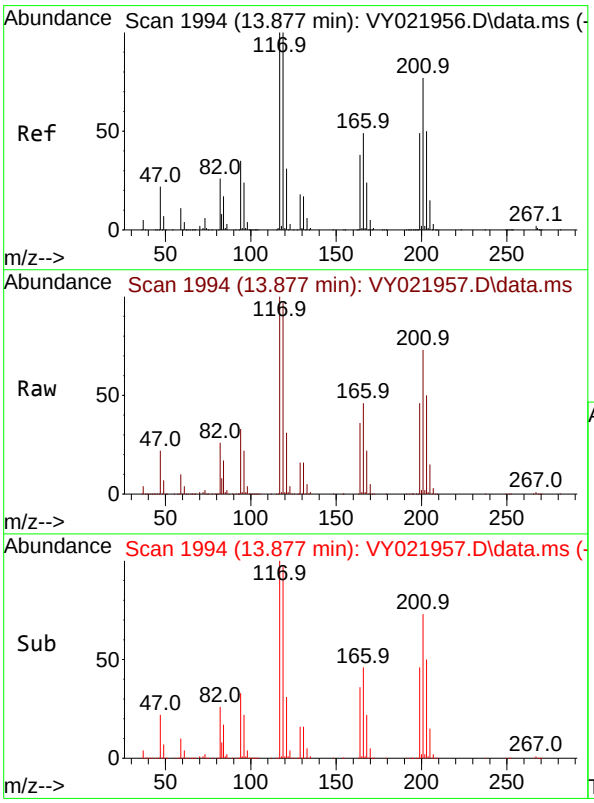
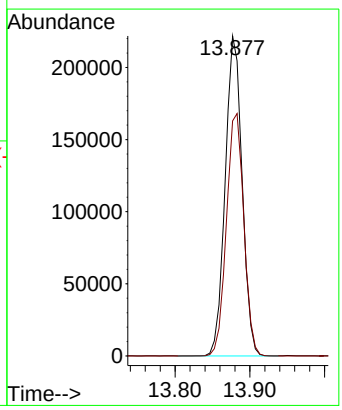
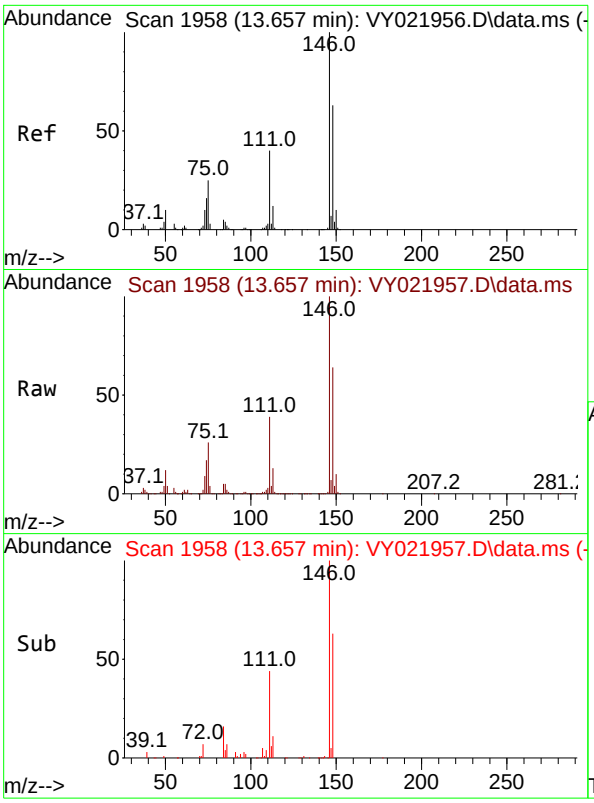


#90
Hexachloroethane
Concen: 102.221 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:117 Resp: 349860

Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.7	116.1

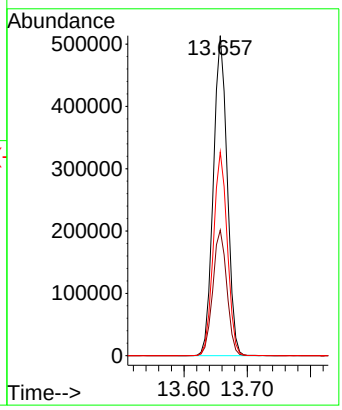




#91
1,2-Dichlorobenzene
Concen: 102.789 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:146 Resp: 78060

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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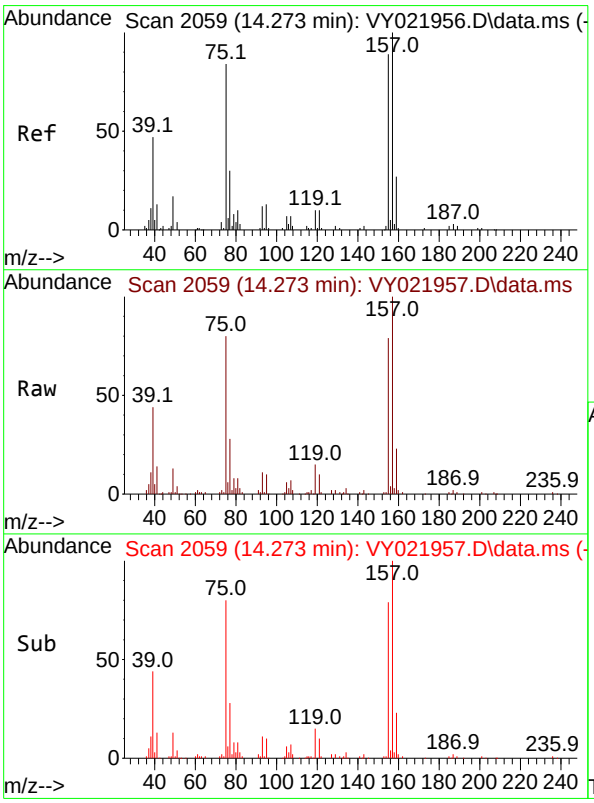
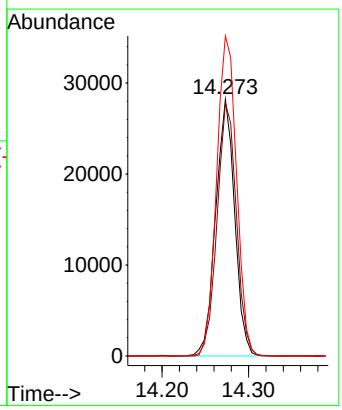
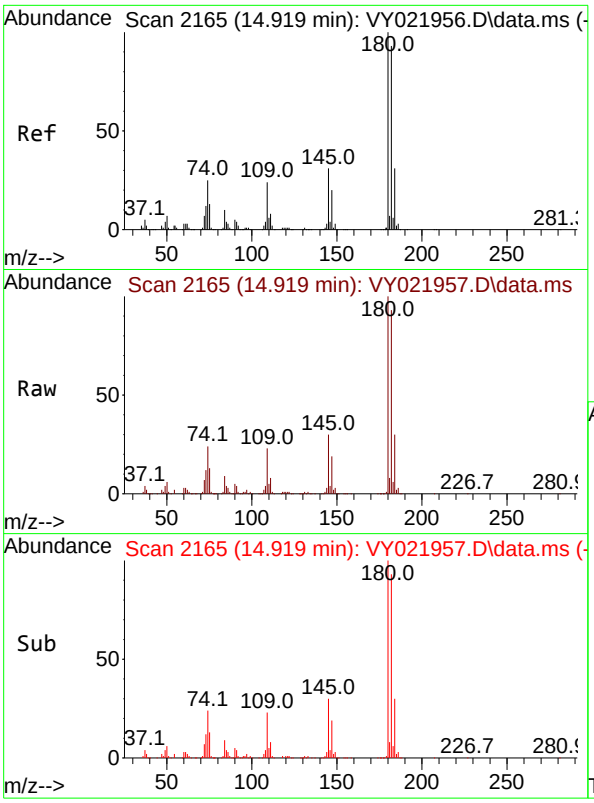


#92
1,2-Dibromo-3-Chloropropane
Concen: 94.503 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 43006

Ion	Ratio	Lower	Upper
75	100		
155	99.9	50.7	152.3
157	130.7	62.6	187.8

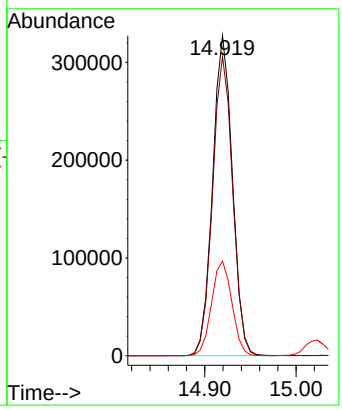




#93
1,2,4-Trichlorobenzene
Concen: 114.465 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:180 Resp: 49259

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.4
145	30.3	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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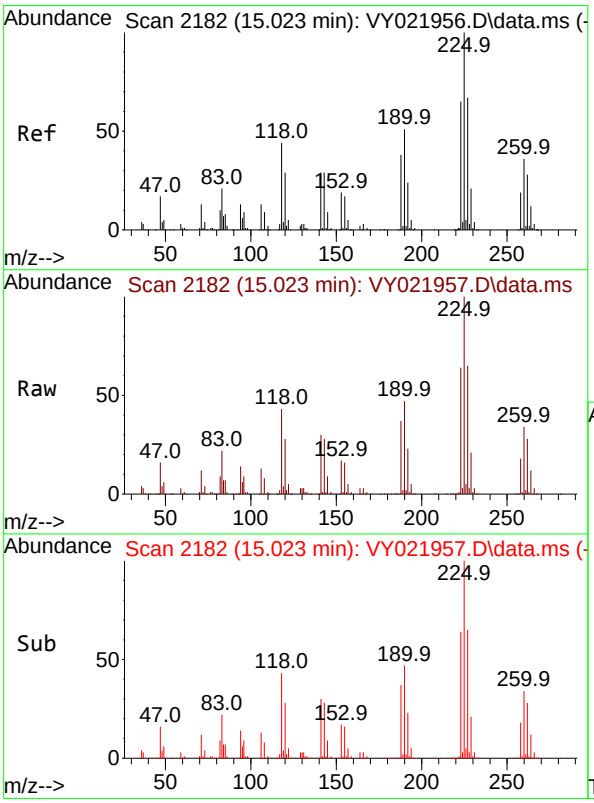
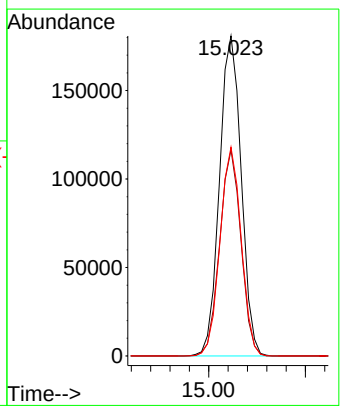
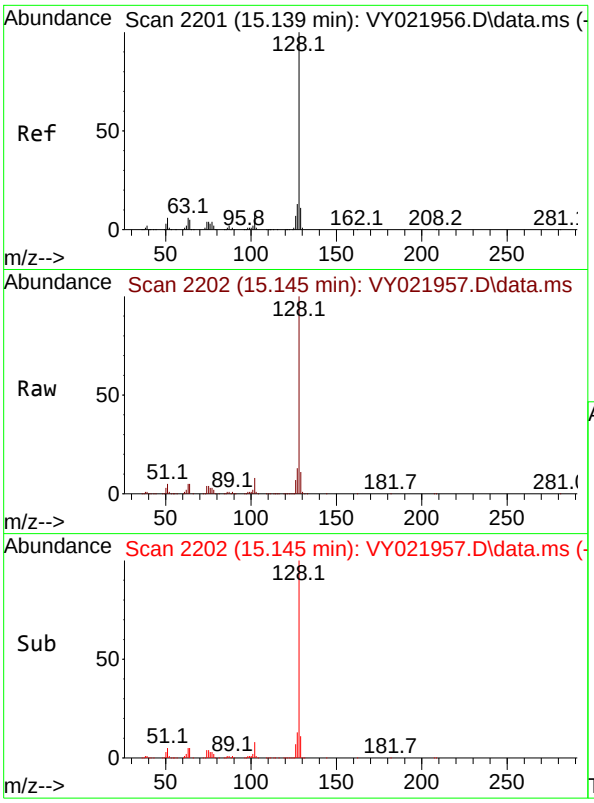


#94
Hexachlorobutadiene
Concen: 106.397 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:225 Resp: 281711

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	63.6	32.3	96.9

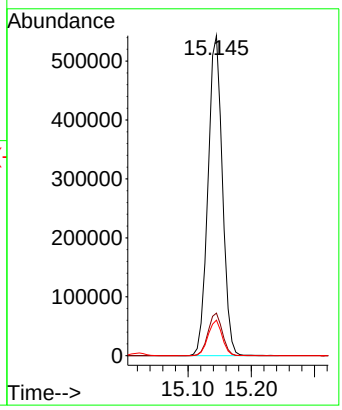




#95
Naphthalene
Concen: 120.033 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:128 Resp: 85807

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

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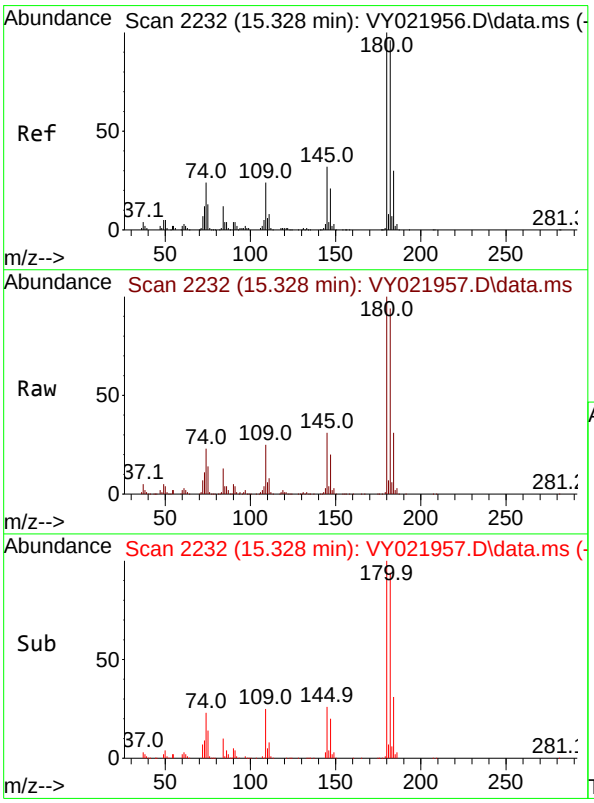
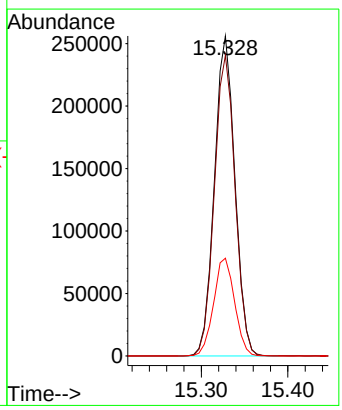


#96
1,2,3-Trichlorobenzene
Concen: 113.294 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:180 Resp: 420859

Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.1	144.4
145	31.4	16.0	48.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.320%#			
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.620%#			
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 303.780%#			
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765	ug/l	#	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914	ug/l		100
43) Isopropyl Acetate	8.195	43	495904	151.020	ug/l	#	85
44) Trichloroethene	8.866	130	603635	146.435	ug/l		99
45) 1,2-Dichloropropane	9.140	63	473210	143.782	ug/l		100
46) Dibromomethane	9.225	93	300473	145.844	ug/l		99
47) Bromodichloromethane	9.420	83	758771	147.426	ug/l		100
48) Methyl methacrylate	9.219	41	243168	160.190	ug/l		97
49) 1,4-Dioxane	9.225	88	66528	3029.677	ug/l		99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306	ug/l		99
52) Toluene	10.170	92	1470005	152.593	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287	ug/l		99
56) Ethyl methacrylate	10.439	69	530305	168.507	ug/l		99
57) 1,3-Dichloropropane	10.713	76	650614	147.471	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076	ug/l		98
59) 2-Hexanone	10.756	43	896663	789.752	ug/l		99
60) Dibromochloromethane	10.908	129	574423	150.763	ug/l		100
61) 1,2-Dibromoethane	11.012	107	386950	148.938	ug/l		100
64) Tetrachloroethene	10.646	164	648295	136.828	ug/l		99
65) Chlorobenzene	11.438	112	1644879	146.452	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925	ug/l		100
67) Ethyl Benzene	11.518	91	2859582	155.641	ug/l		99
68) m/p-Xylenes	11.627	106	2270756	310.594	ug/l		99
69) o-Xylene	11.950	106	1079036	160.131	ug/l		99
70) Styrene	11.969	104	1821333	160.979	ug/l		100
71) Bromoform	12.127	173	345783	150.413	ug/l	#	99
73) Isopropylbenzene	12.255	105	2766822	161.622	ug/l		99
74) N-amyl acetate	12.066	43	481095	163.570	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	304860m	135.026	ug/l		
77) Bromobenzene	12.530	156	677176	156.545	ug/l		98
78) n-propylbenzene	12.591	91	3191904	156.567	ug/l		99
79) 2-Chlorotoluene	12.676	91	1838218	155.043	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337	ug/l		98
82) 4-Chlorotoluene	12.774	91	1879346	152.484	ug/l		99
83) tert-Butylbenzene	12.993	119	2076003	164.108	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437	ug/l		100
85) sec-Butylbenzene	13.176	105	2910397	157.224	ug/l		99
86) p-Isopropyltoluene	13.292	119	2552924	162.413	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621	ug/l		98
89) n-Butylbenzene	13.615	91	2244063	159.720	ug/l		99
90) Hexachloroethane	13.877	117	520392	150.683	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770	ug/l		99
94) Hexachlorobutadiene	15.023	225	417808	156.384	ug/l		99
95) Naphthalene	15.145	128	1336140	185.231	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
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 :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 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

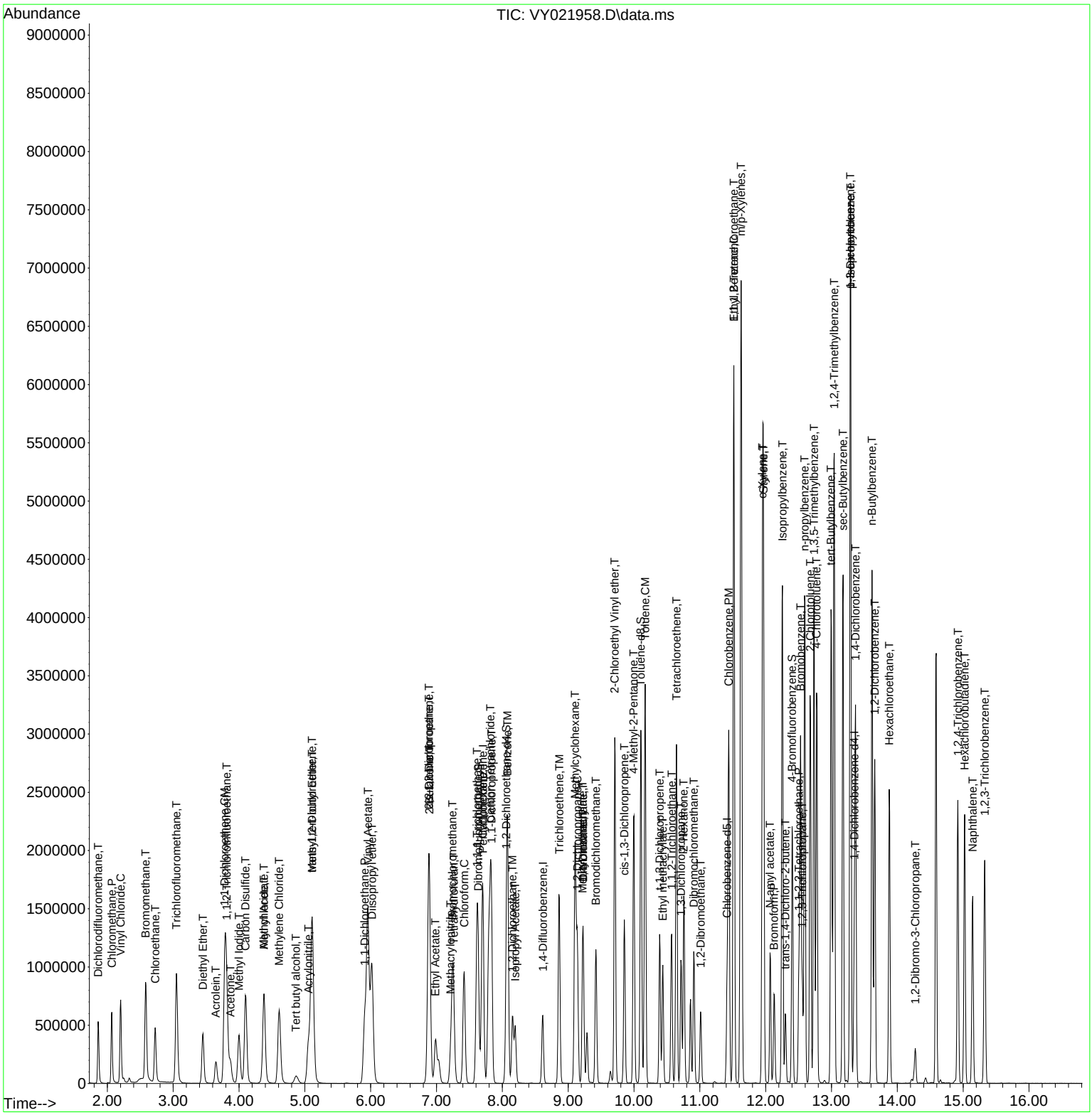
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

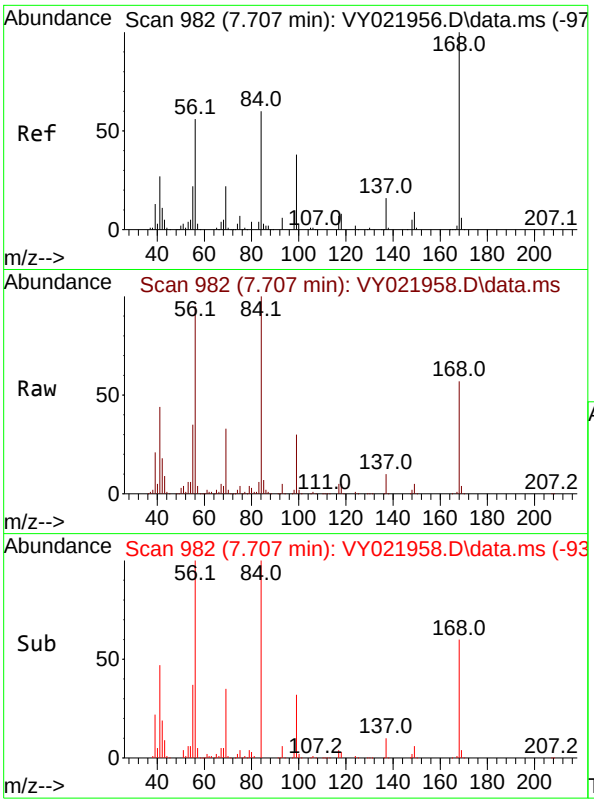
Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

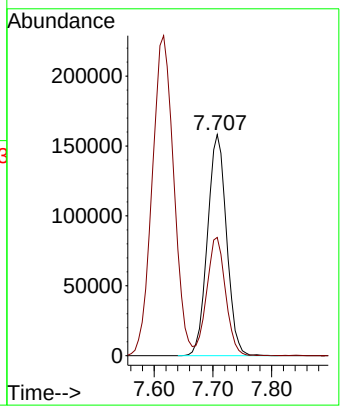




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:168 Resp: 35577

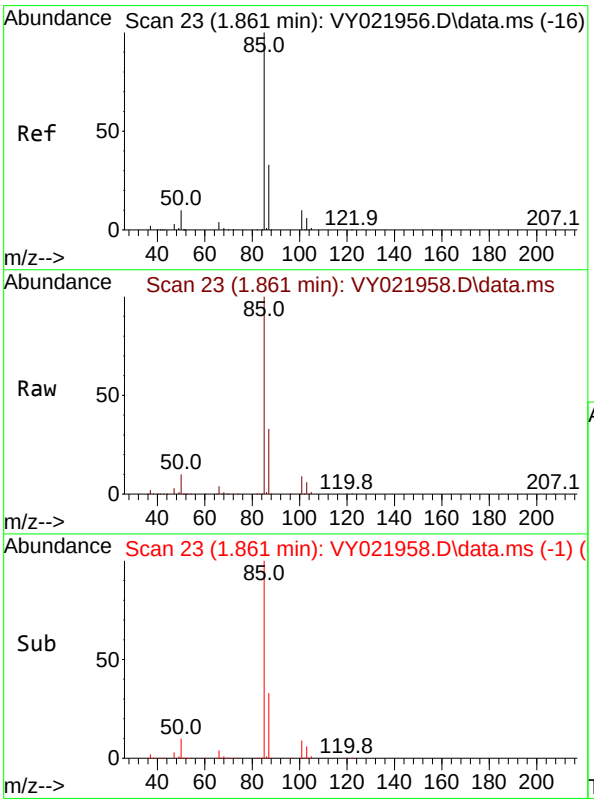
Ion	Ratio	Lower	Upper
168	100		
99	53.4	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

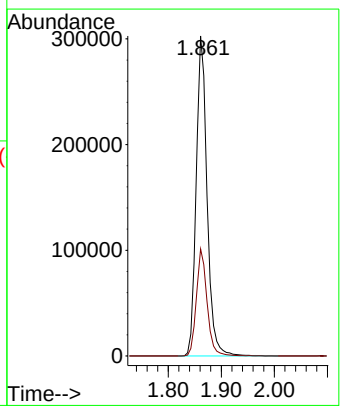
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

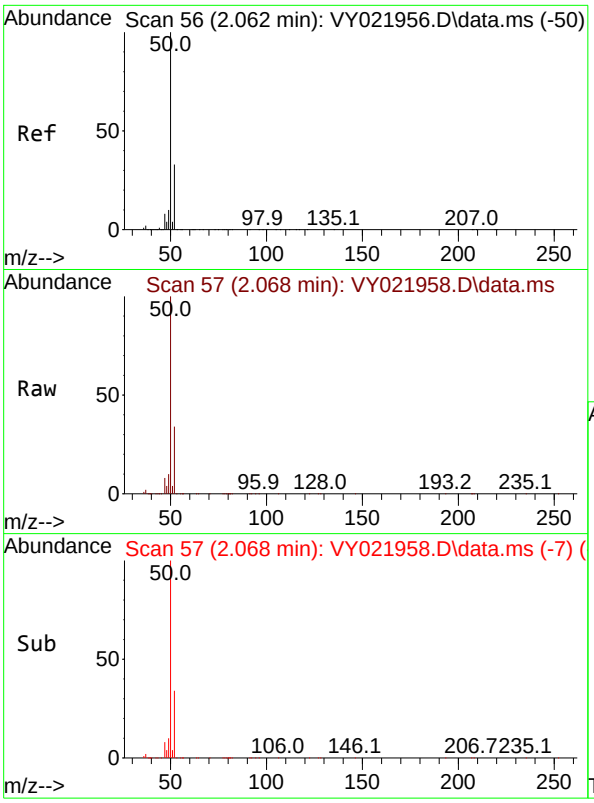


#2
Dichlorodifluoromethane
Concen: 142.488 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 85 Resp: 431961

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.6	49.7

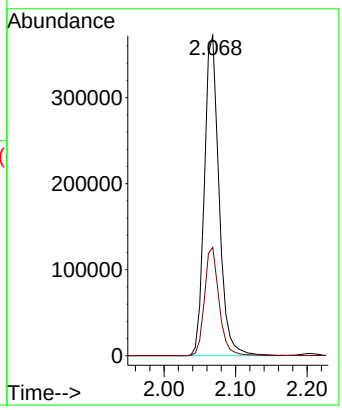




#3
Chloromethane
Concen: 123.066 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 50 Resp: 53123

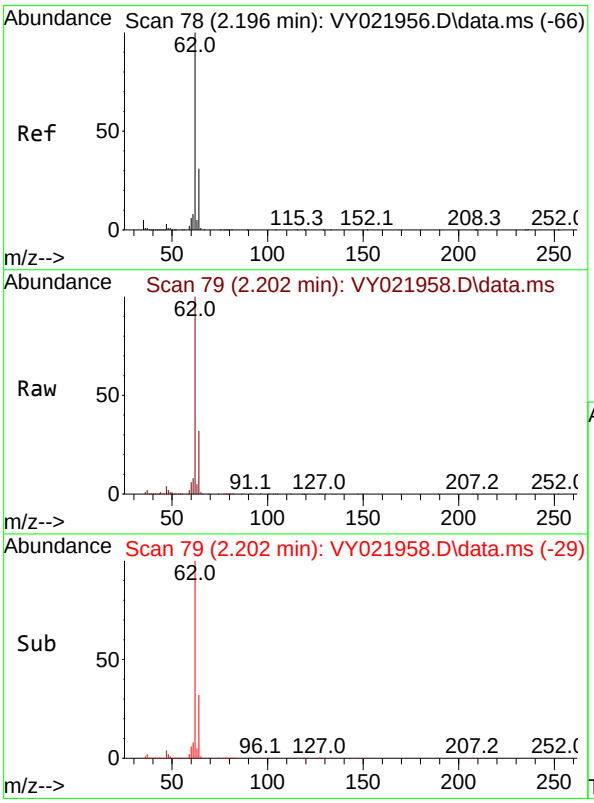
Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

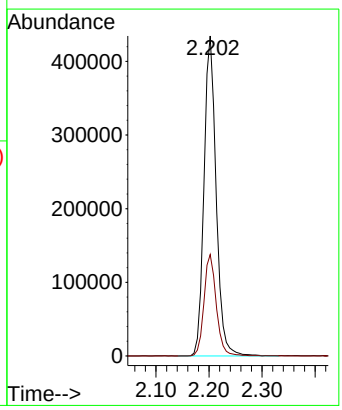
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

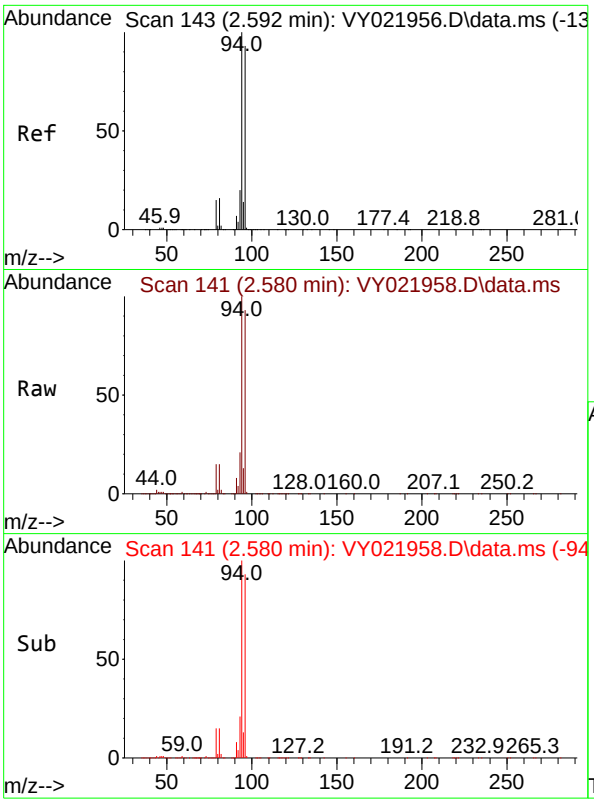


#4
Vinyl Chloride
Concen: 130.127 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 62 Resp: 690264

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.1	37.7





#5
Bromomethane
Concen: 128.474 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

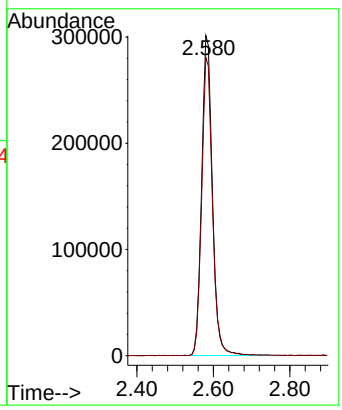
Tgt Ion: 94 Resp: 58713(

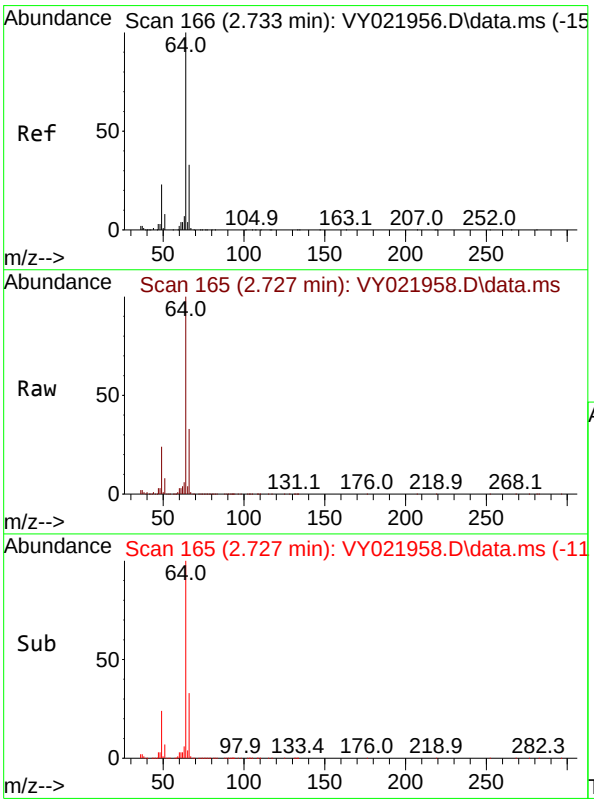
Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

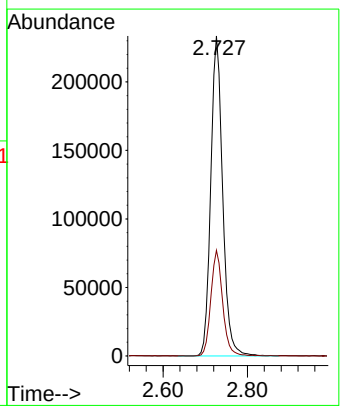


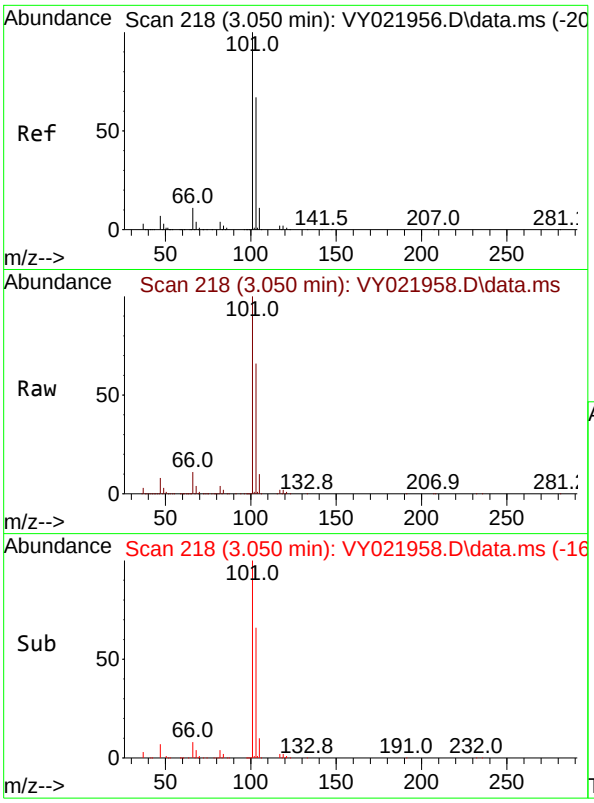


#6
Chloroethane
Concen: 126.630 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 64 Resp: 457467

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.2	39.4





#7
Trichlorofluoromethane
Concen: 138.417 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

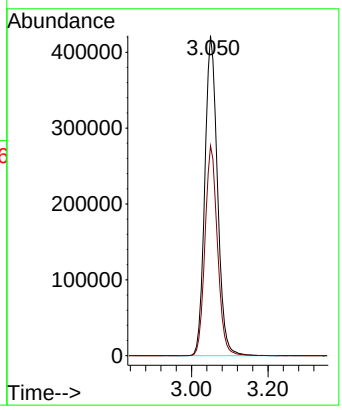
Tgt Ion:101 Resp: 96820

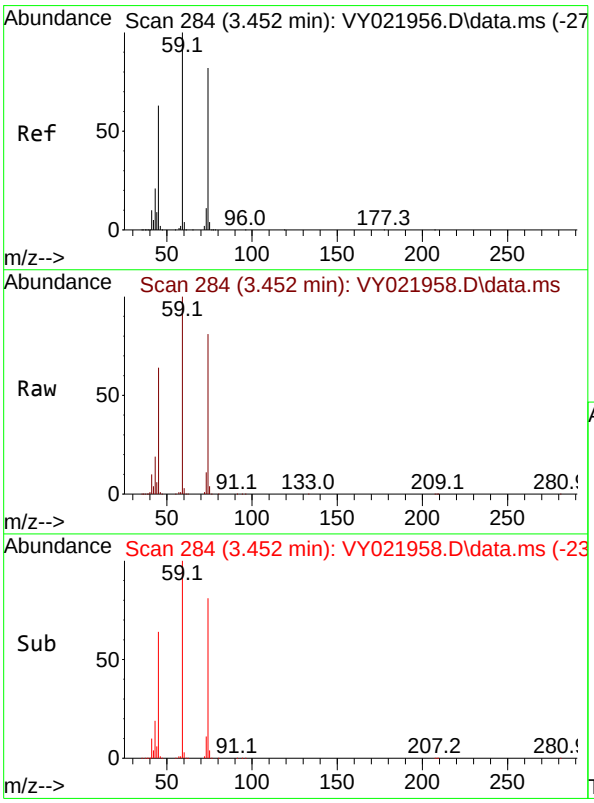
Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.6	80.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

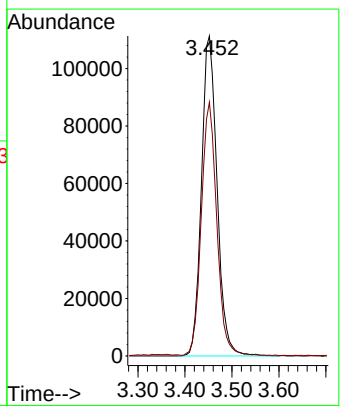


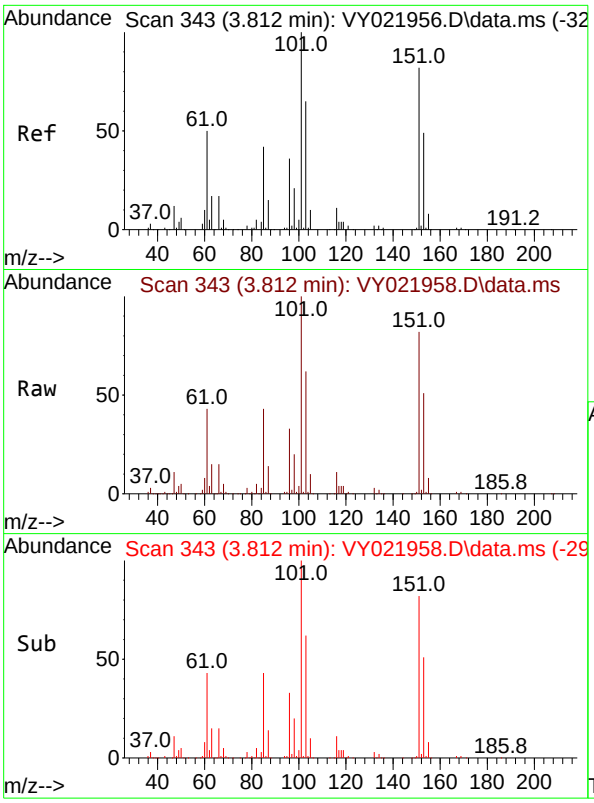


#8
Diethyl Ether
Concen: 140.770 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 74 Resp: 256284

Ion	Ratio	Lower	Upper
74	100		
45	78.2	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.247 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:101 Resp: 52077

Ion	Ratio	Lower	Upper
101	100		
85	43.7	34.6	51.8
151	80.9	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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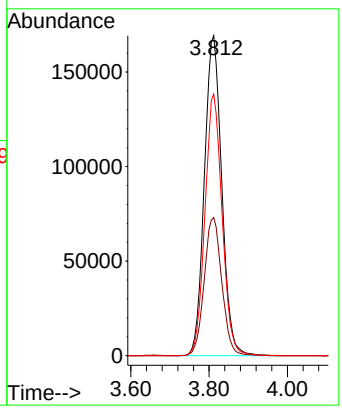
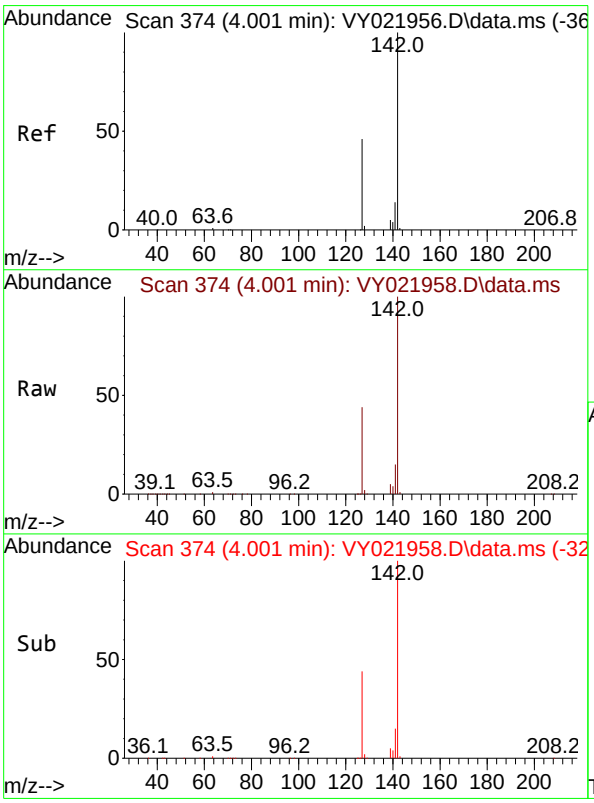
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

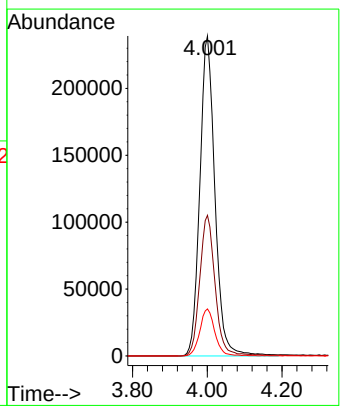


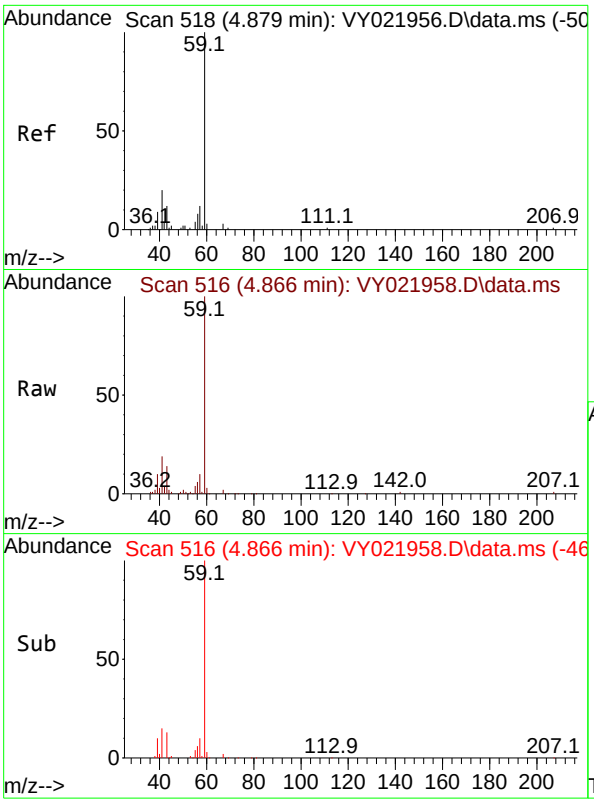


#10
Methyl Iodide
Concen: 152.592 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:142 Resp: 670370

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.2	54.2
141	14.7	11.7	17.5

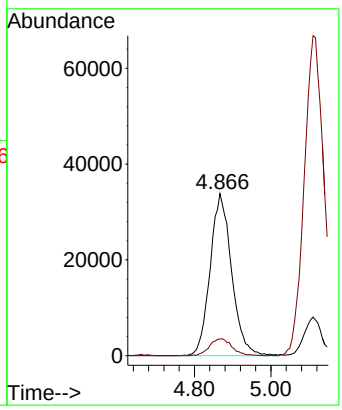




#11
Tert butyl alcohol
Concen: 731.707 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 59 Resp: 13200

Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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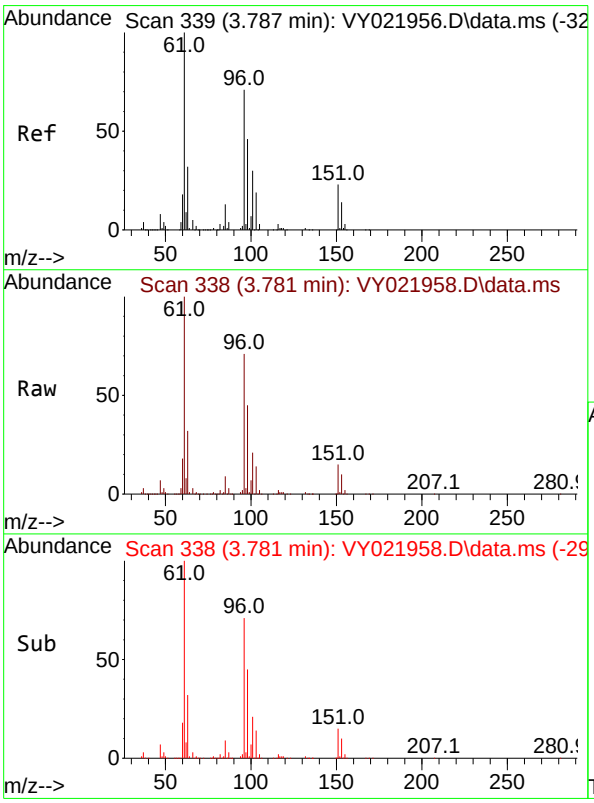
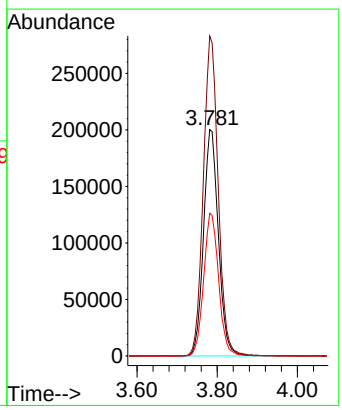
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

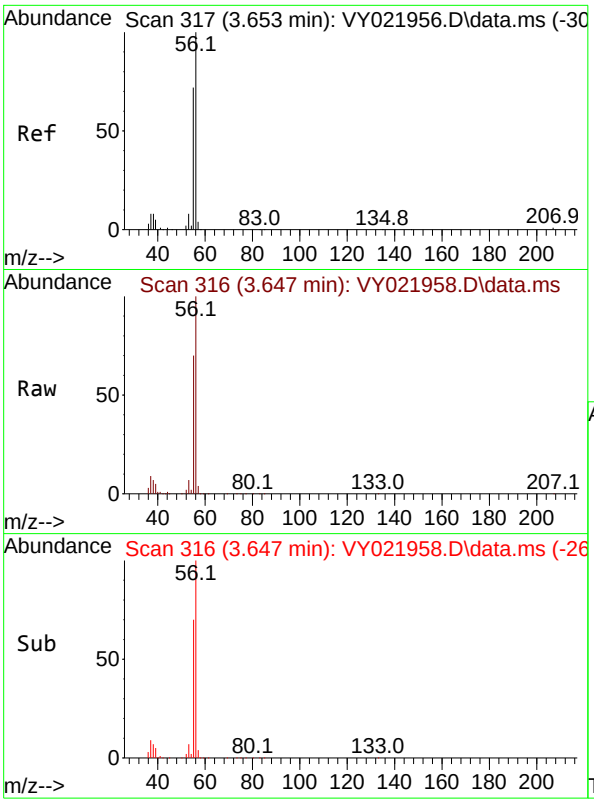


#12
1,1-Dichloroethene
Concen: 146.010 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 96 Resp: 516411

Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.0	169.4
98	63.1	51.4	77.2

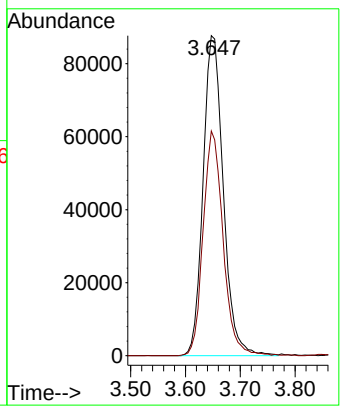




#13
Acrolein
Concen: 692.230 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 56 Resp: 22414

Ion	Ratio	Lower	Upper
56	100		
55	69.3	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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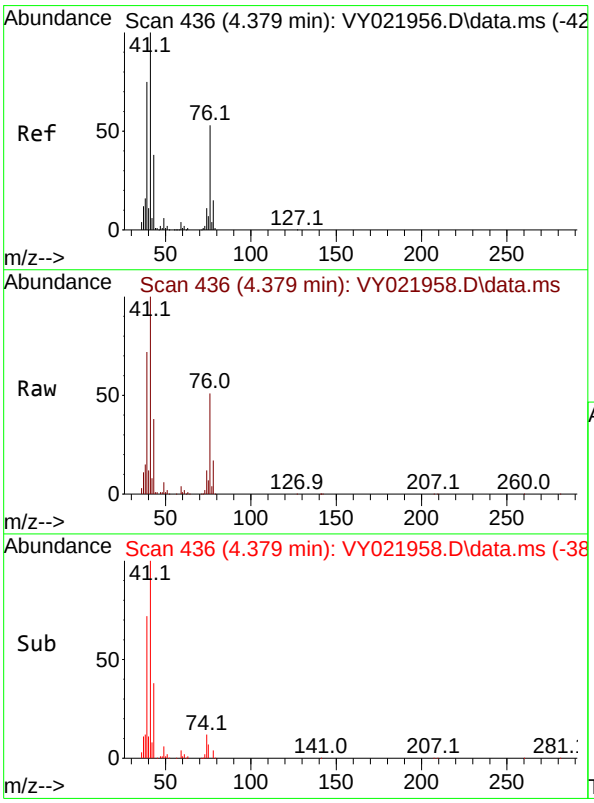
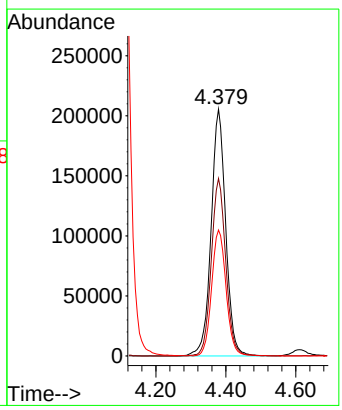
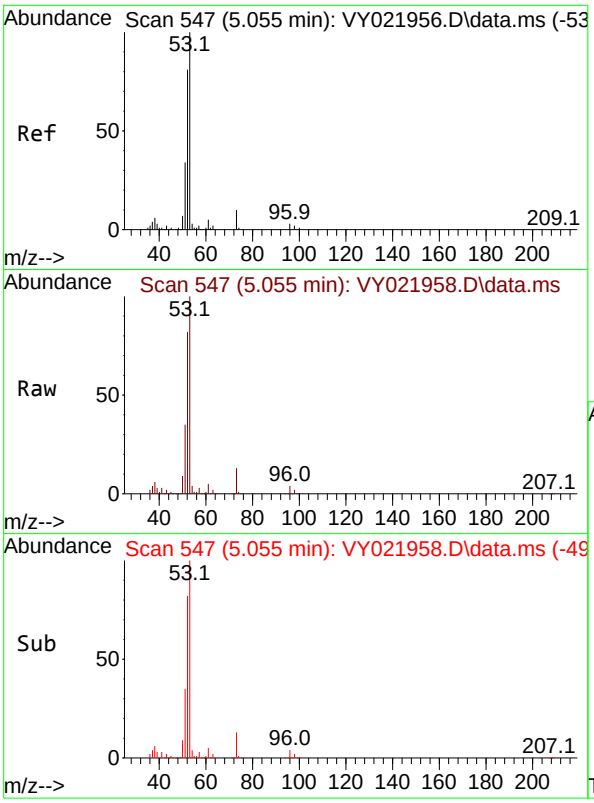


#14
Allyl chloride
Concen: 144.481 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 41 Resp: 595004

Ion	Ratio	Lower	Upper
41	100		
39	71.4	57.2	85.8
76	50.7	39.7	59.5

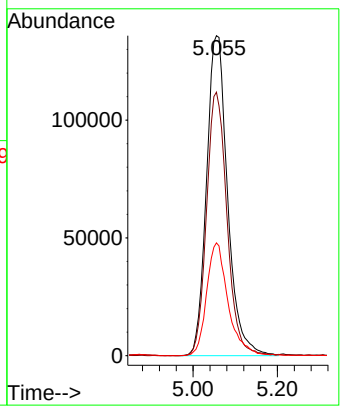




#15
Acrylonitrile
Concen: 707.705 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 53 Resp: 47168

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	36.1	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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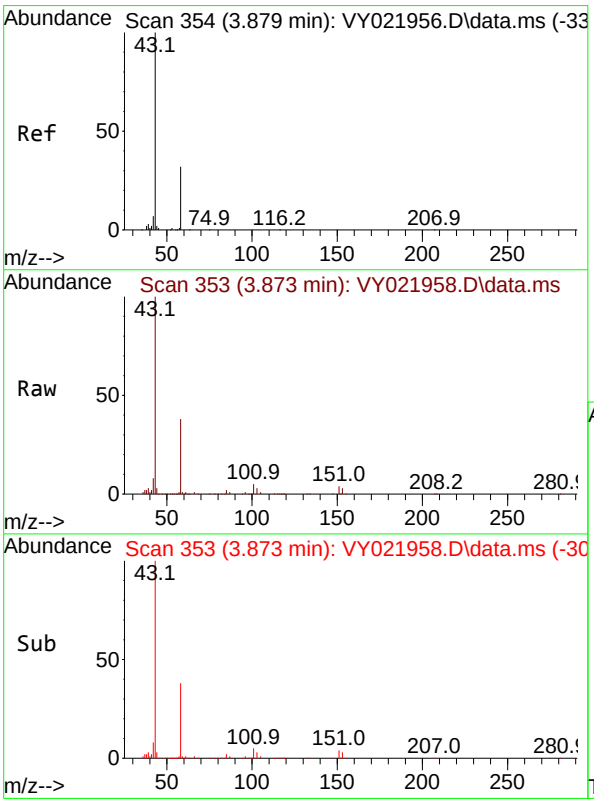
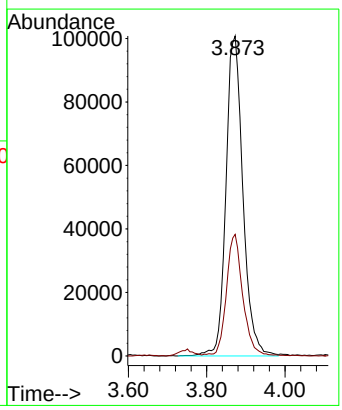
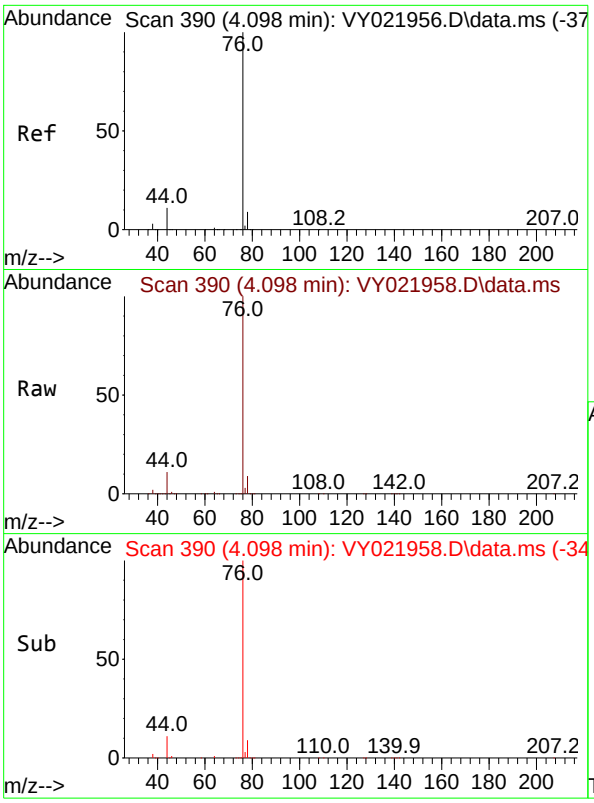


#16
Acetone
Concen: 747.934 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 303420

Ion	Ratio	Lower	Upper
43	100		
58	37.8	27.0	40.4

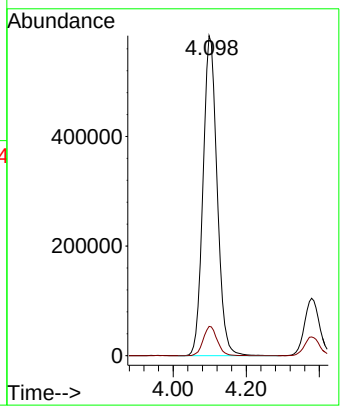




#17
Carbon Disulfide
Concen: 138.054 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 76 Resp: 155684

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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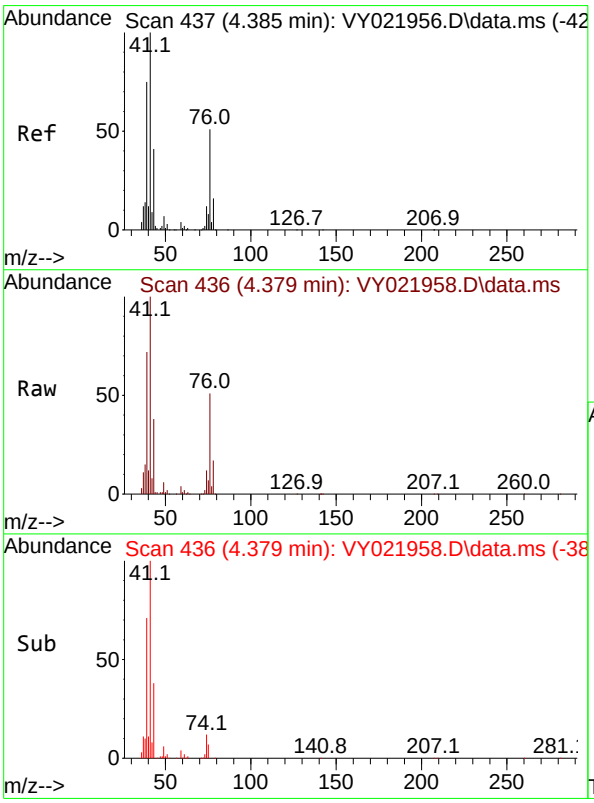
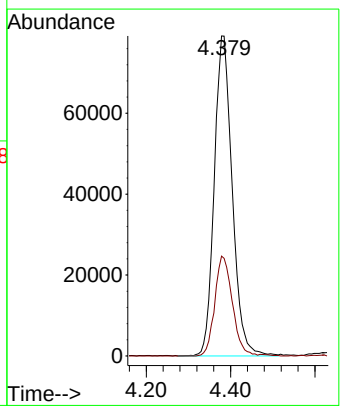
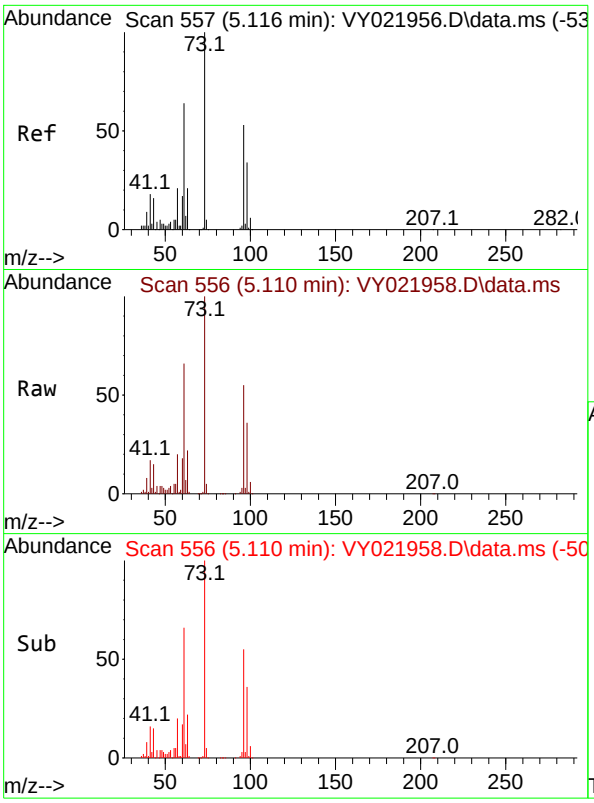


#18
Methyl Acetate
Concen: 152.216 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 233664

Ion	Ratio	Lower	Upper
43	100		
74	30.5	24.2	36.4

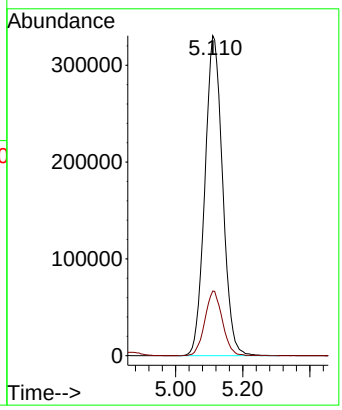




#19
Methyl tert-butyl Ether
Concen: 152.936 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 73 Resp: 121065

Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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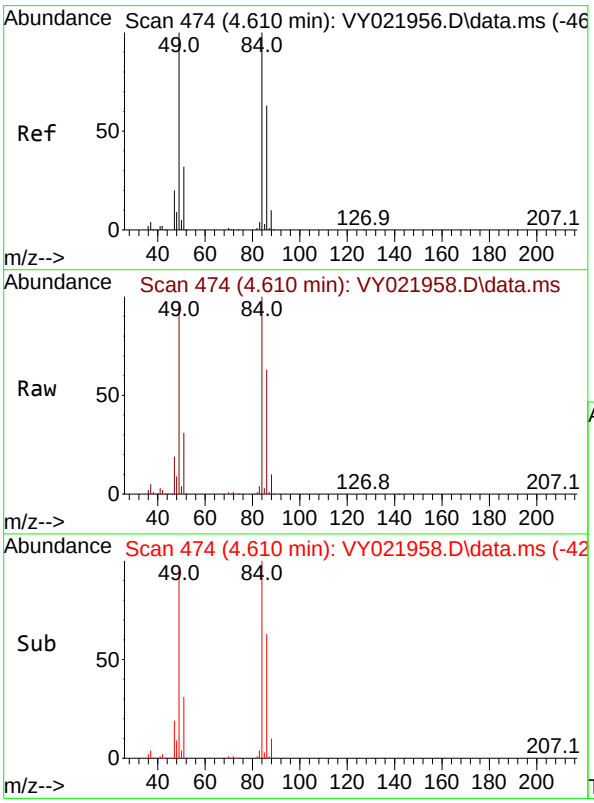
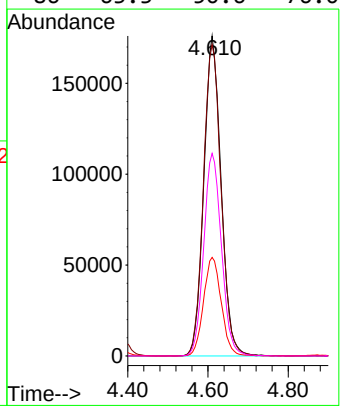
Supervised By :Mahesh Dadoda 04/23/2025

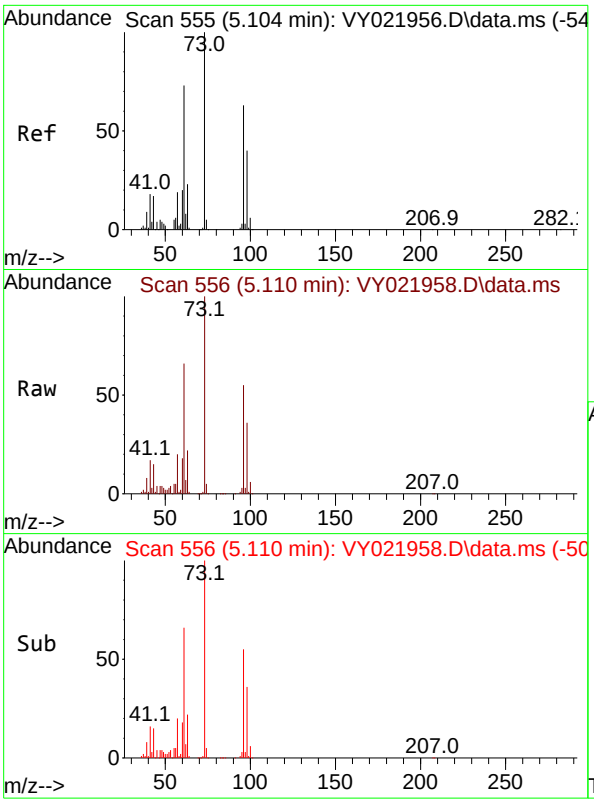


#20
Methylene Chloride
Concen: 126.805 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 84 Resp: 526924

Ion	Ratio	Lower	Upper
84	100		
49	97.3	79.9	119.9
51	30.8	25.4	38.0
86	63.3	50.6	76.0

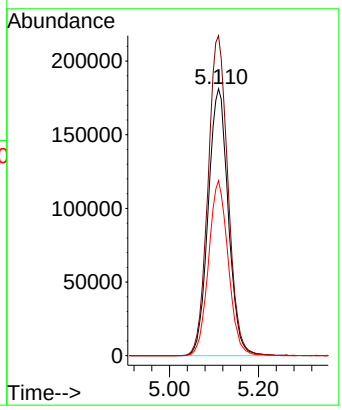




#21
trans-1,2-Dichloroethene
Concen: 143.443 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 96 Resp: 56817

Ion	Ratio	Lower	Upper
96	100		
61	119.7	92.6	138.8
98	65.6	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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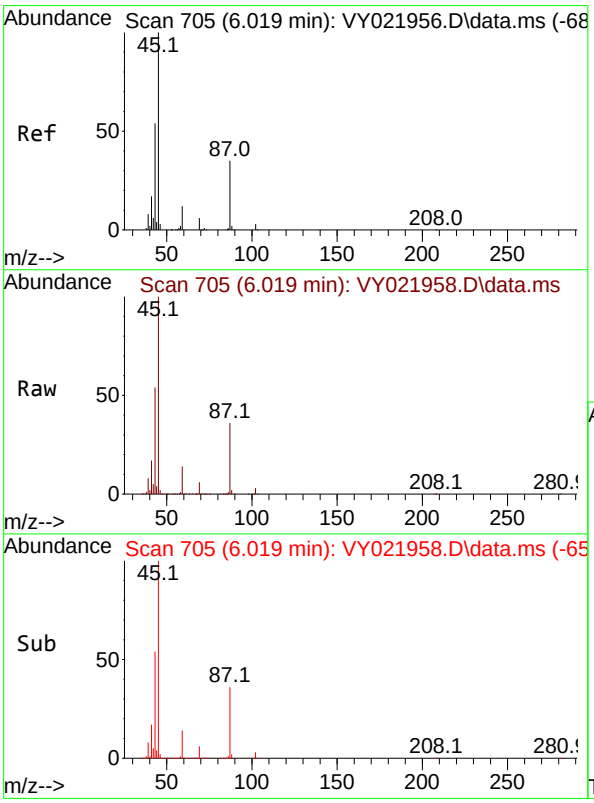
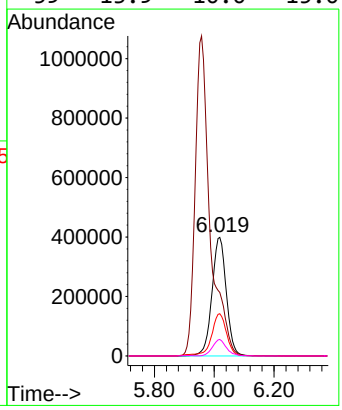
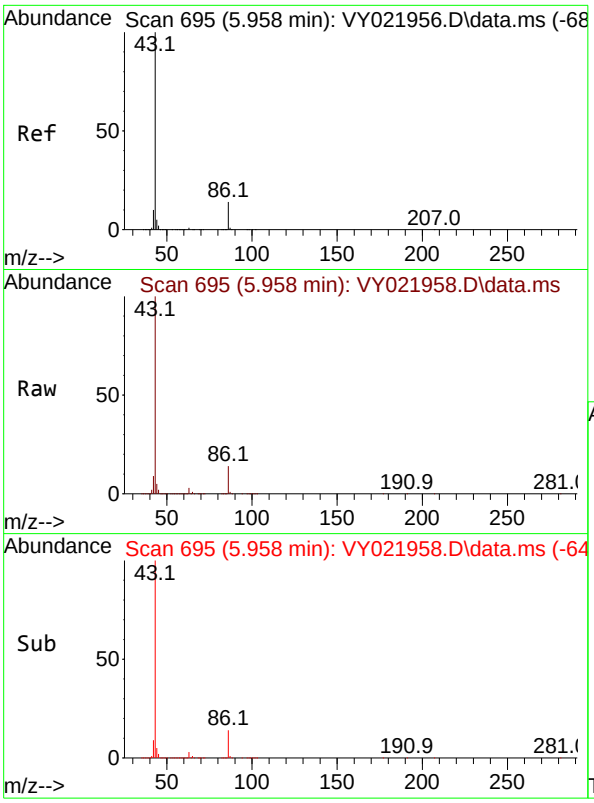


#22
Diisopropyl ether
Concen: 145.303 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 45 Resp: 1331652

Ion	Ratio	Lower	Upper
45	100		
43	53.6	43.6	65.4
87	35.7	28.2	42.4
59	13.9	10.0	15.0

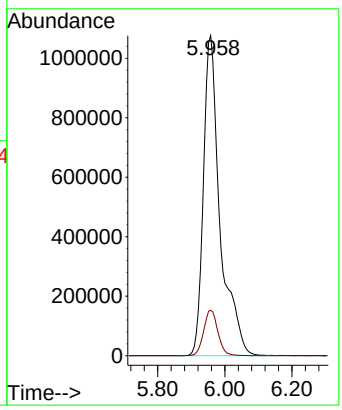




#23
Vinyl Acetate
Concen: 750.348 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 370607

Ion	Ratio	Lower	Upper
43	100		
86	14.2	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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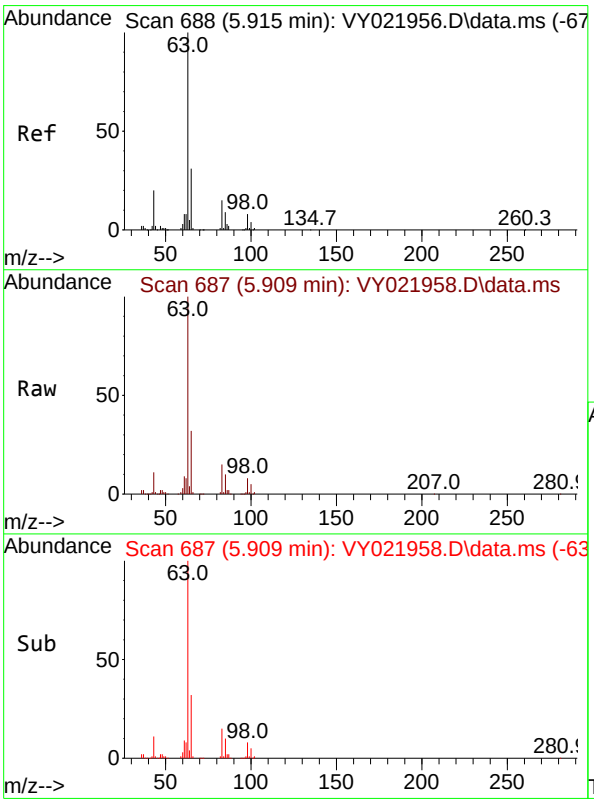
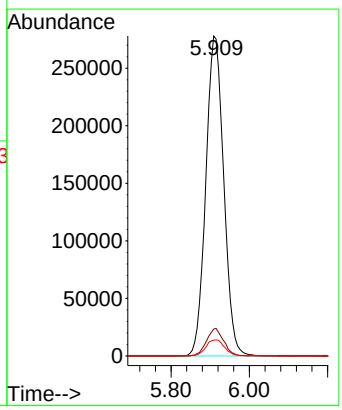
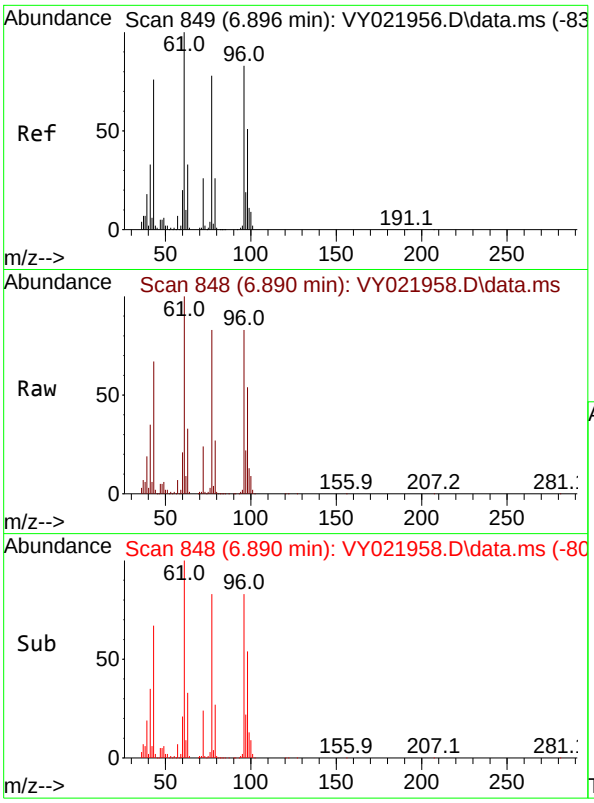


#24
1,1-Dichloroethane
Concen: 138.707 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 63 Resp: 881143

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	11.9
100	4.9	2.0	6.0





#25
2-Butanone
Concen: 711.701 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 53312

Ion	Ratio	Lower	Upper
43	100		
72	35.1	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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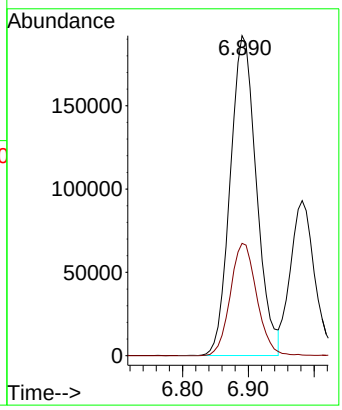
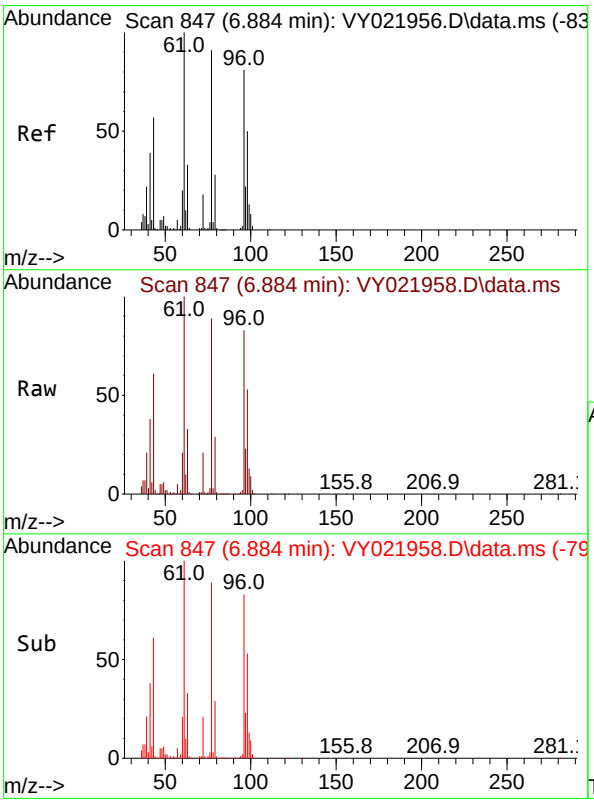
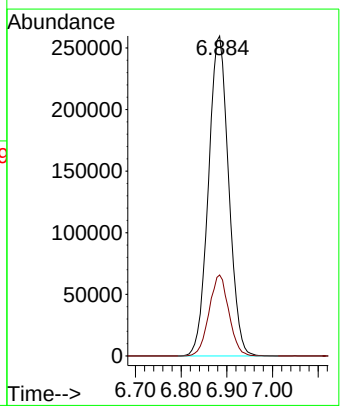


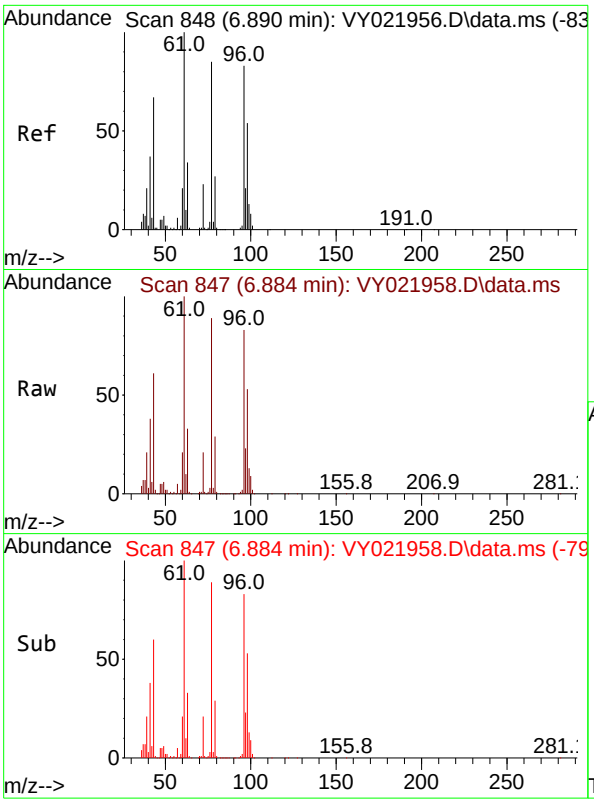


#26
2,2-Dichloropropane
Concen: 143.320 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 77 Resp: 797978

Ion	Ratio	Lower	Upper
77	100		
97	24.8	12.4	37.4

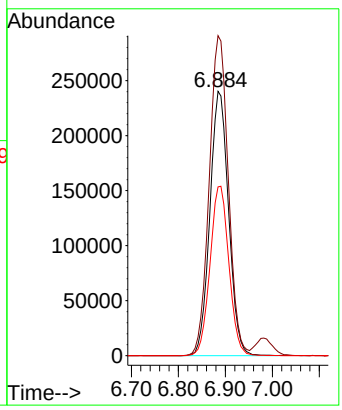




#27
cis-1,2-Dichloroethene
Concen: 149.760 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 96 Resp: 66328

Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	251.4
98	64.7	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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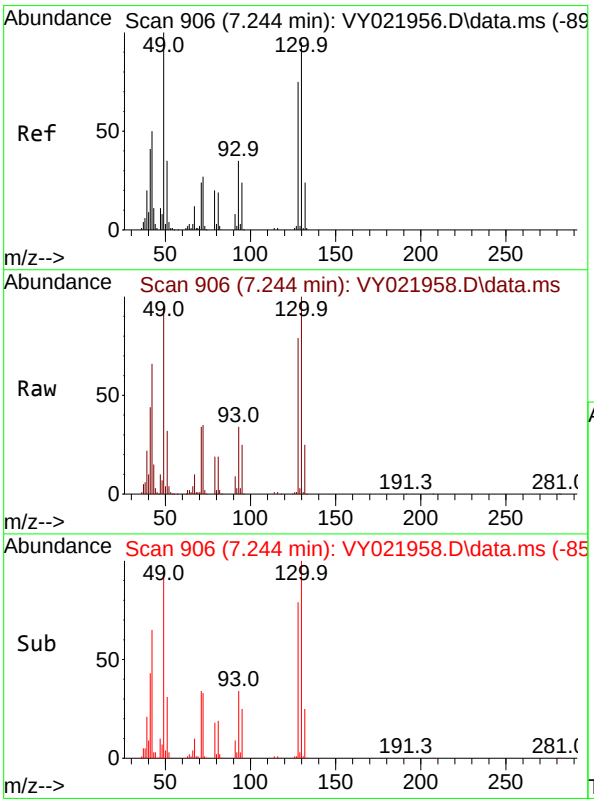
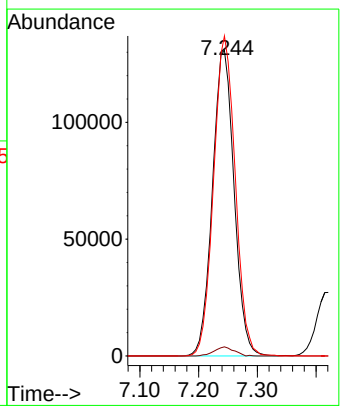
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

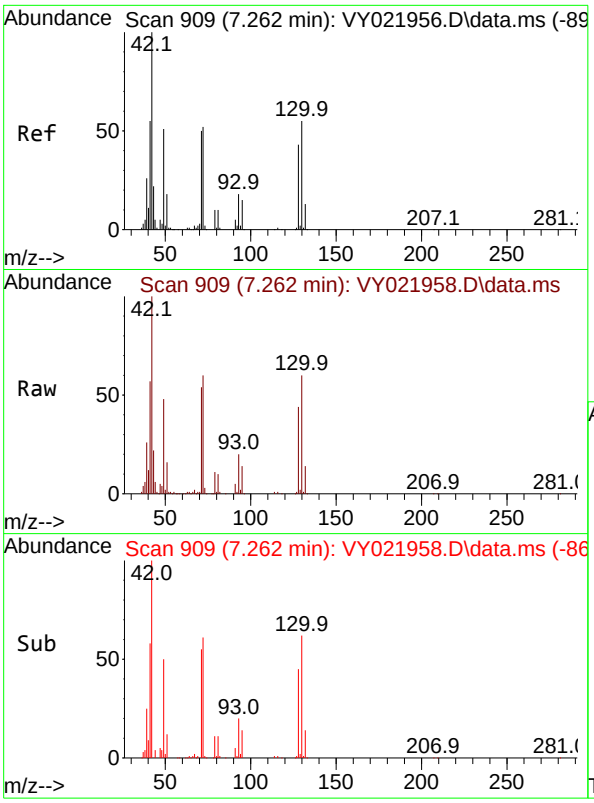


#28
Bromochloromethane
Concen: 135.876 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 49 Resp: 335269

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	104.5	78.2	117.4

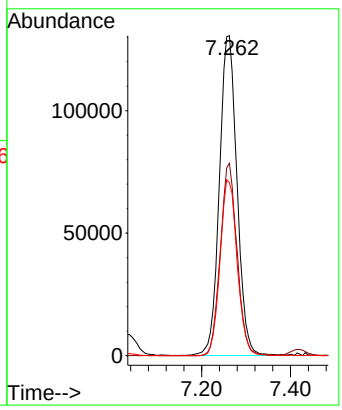




#29
Tetrahydrofuran
Concen: 734.980 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 42 Resp: 35758

Ion	Ratio	Lower	Upper
42	100		
72	57.2	42.6	63.8
71	53.5	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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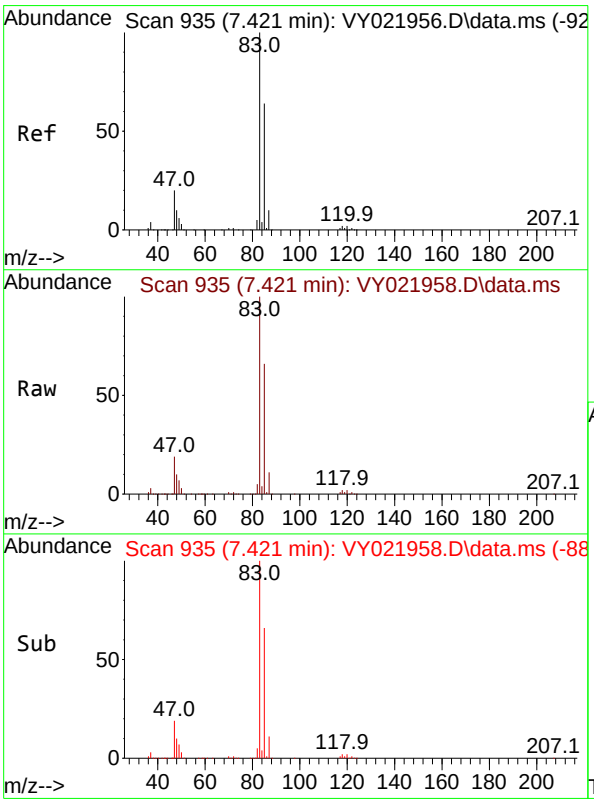
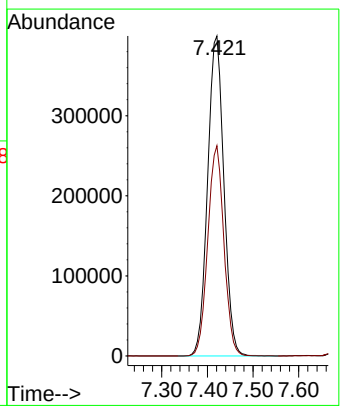
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

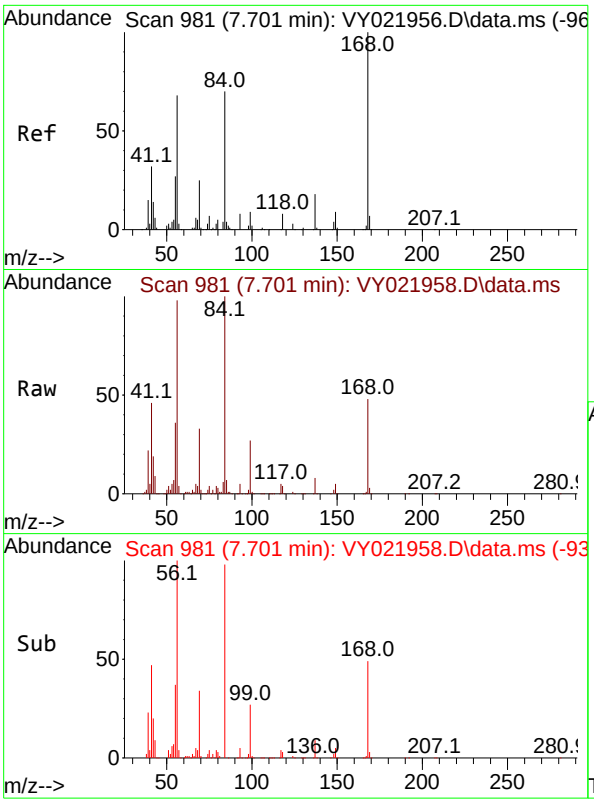


#30
Chloroform
Concen: 140.042 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 83 Resp: 986793

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.3	76.9





#31
Cyclohexane
Concen: 139.782 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 56 Resp: 75934

Ion	Ratio	Lower	Upper
56	100		
69	33.8	29.4	44.2
84	100.2	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/23/2025
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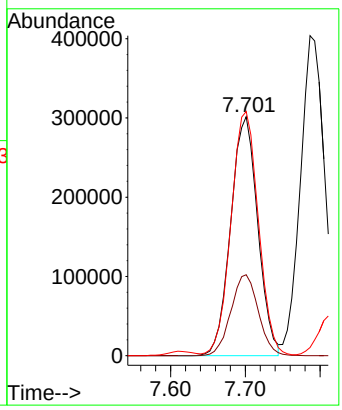
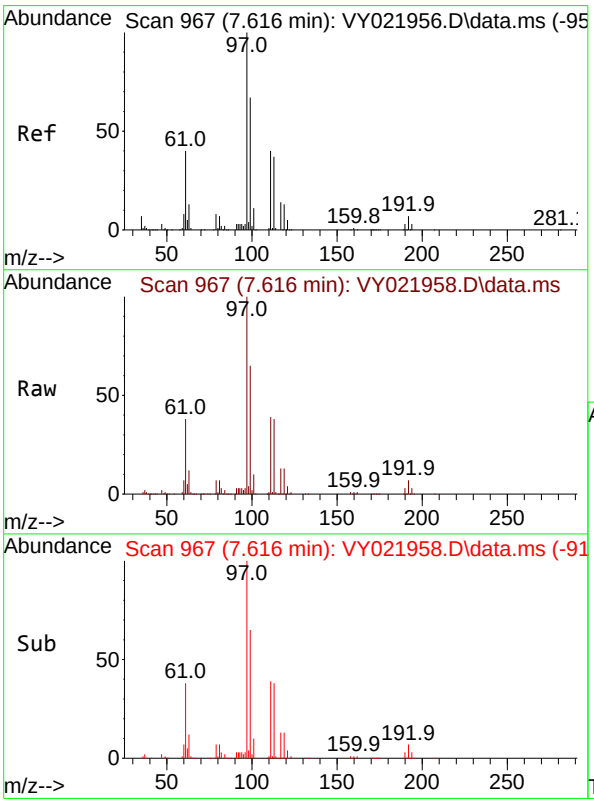
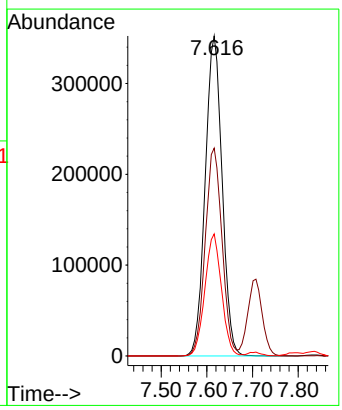


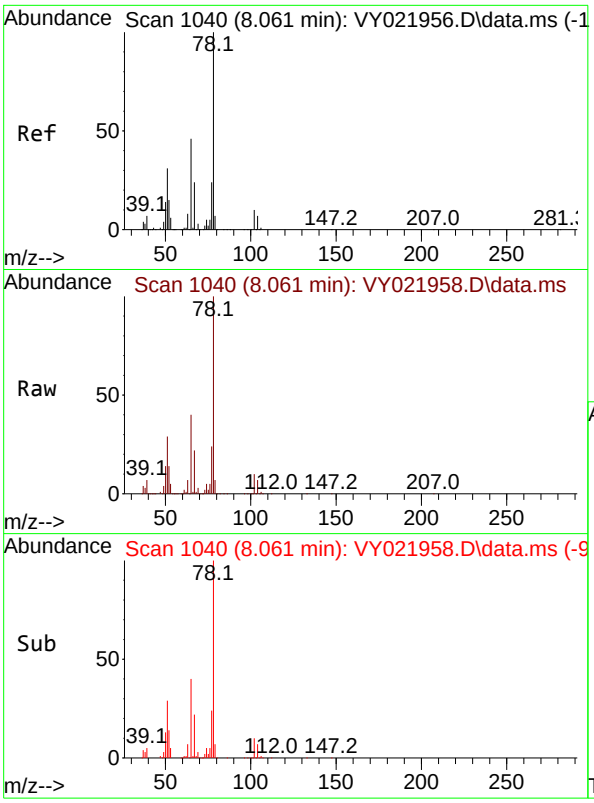


#32
1,1,1-Trichloroethane
Concen: 141.659 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 97 Resp: 903077

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	37.7	31.4	47.2

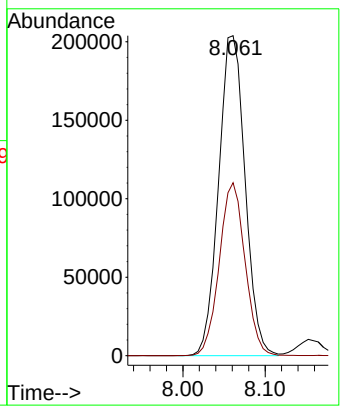




#33
1,2-Dichloroethane-d4
Concen: 138.662 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 65 Resp: 4556

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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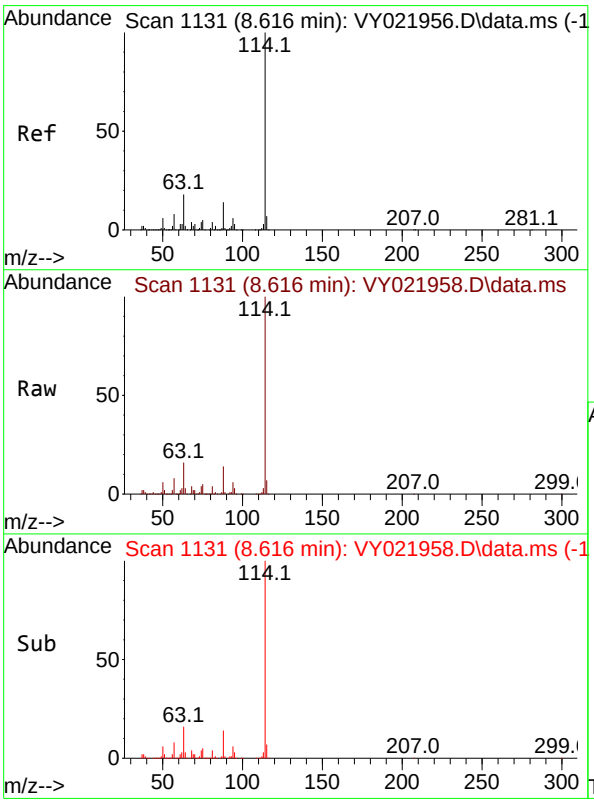
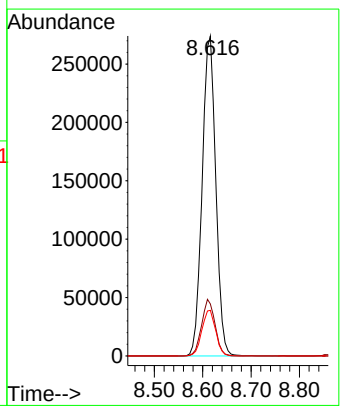
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

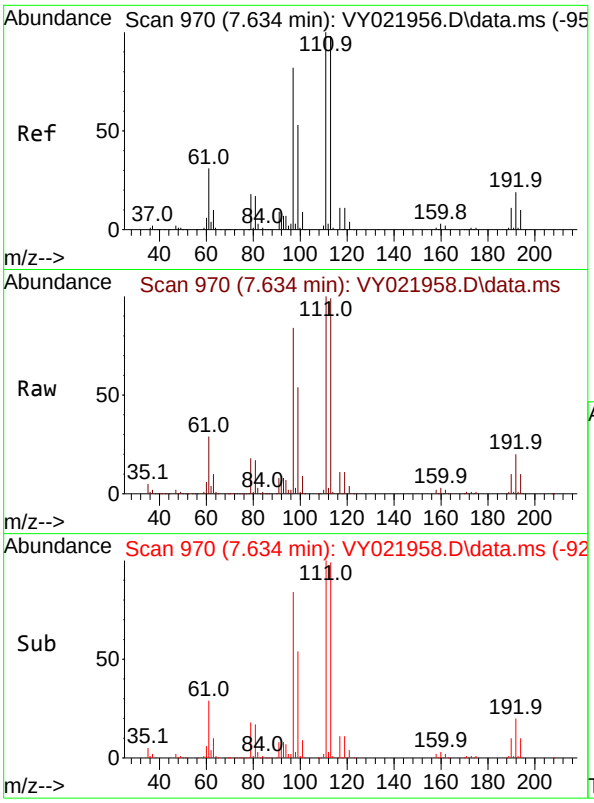


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:114 Resp: 536479

Ion	Ratio	Lower	Upper
114	100		
63	16.3	0.0	35.4
88	14.2	0.0	28.2

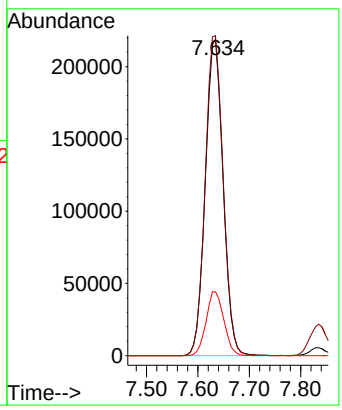




#35
Dibromofluoromethane
Concen: 148.312 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:113 Resp: 52565

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	20.2	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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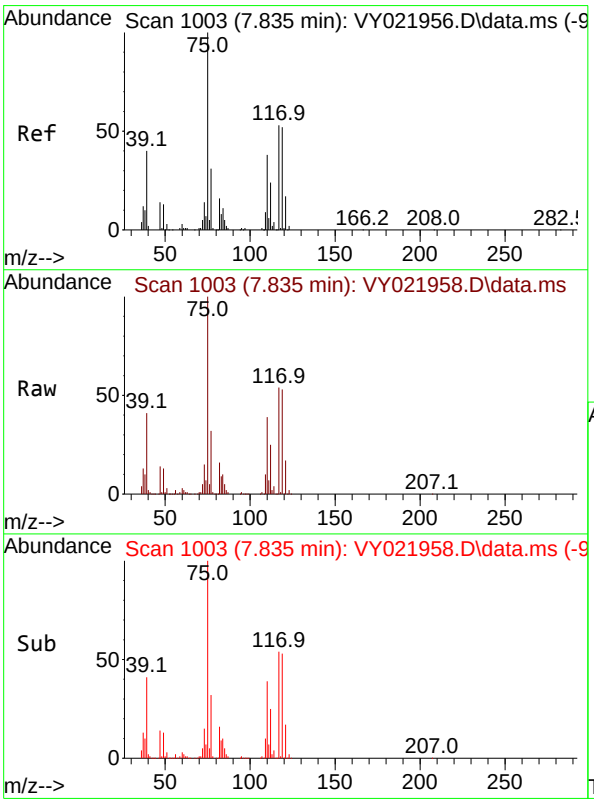
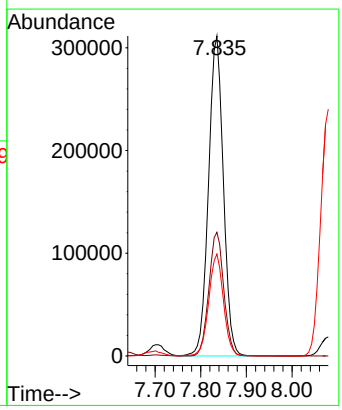
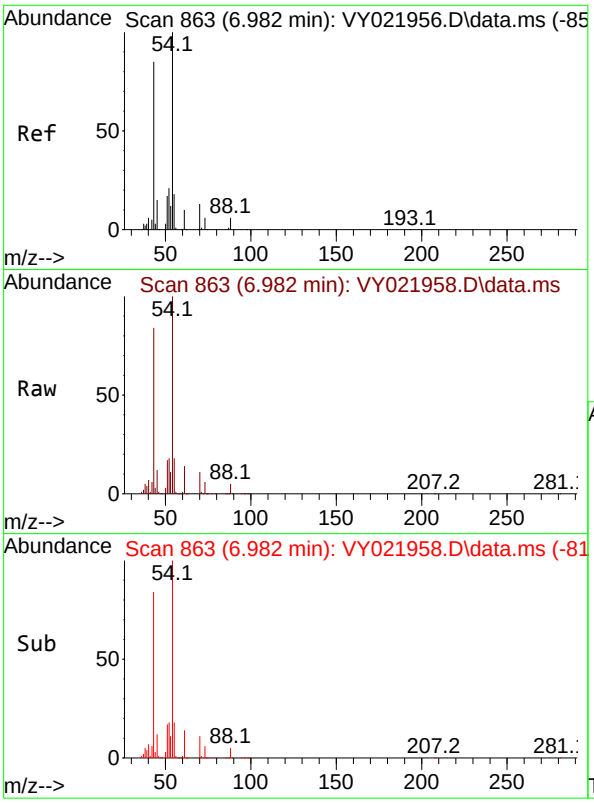


#36
1,1-Dichloropropene
Concen: 147.634 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 702870

Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.1	57.3
77	31.7	25.5	38.3





#37
Ethyl Acetate
Concen: 144.169 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 24319

Ion	Ratio	Lower	Upper
43	100		
61	16.6	13.8	20.6
70	12.9	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/23/2025
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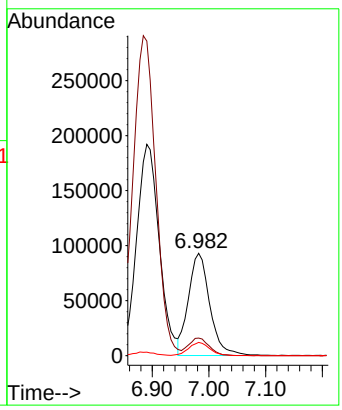
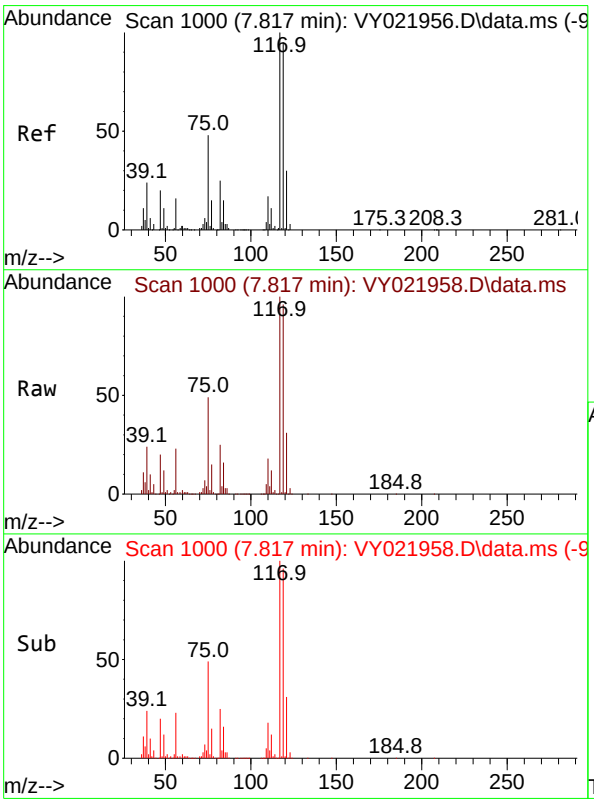
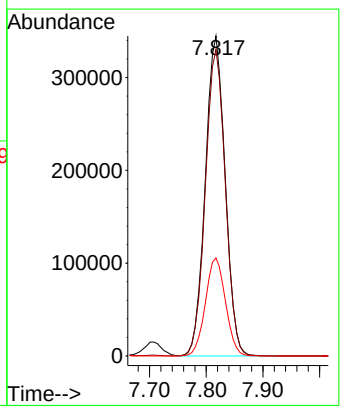


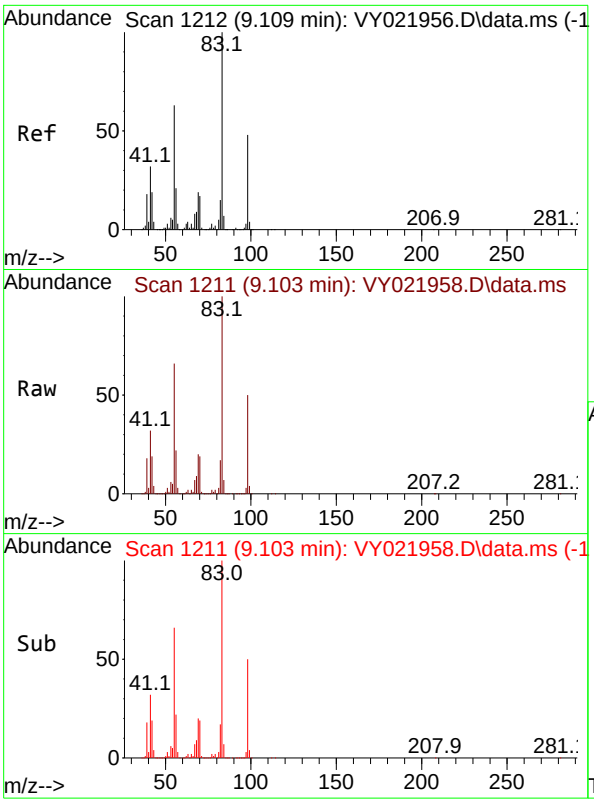


#38
Carbon Tetrachloride
Concen: 147.902 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:117 Resp: 841409

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.4
121	30.6	24.0	36.0

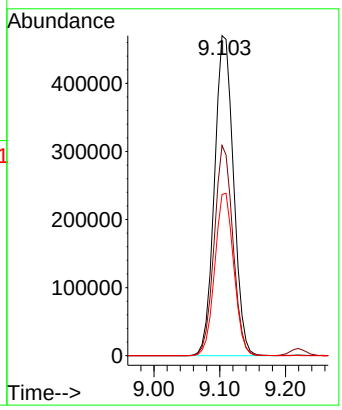




#39
Methylcyclohexane
Concen: 158.153 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 83 Resp: 94754

Ion	Ratio	Lower	Upper
83	100		
55	65.7	50.6	75.8
98	50.4	38.6	58.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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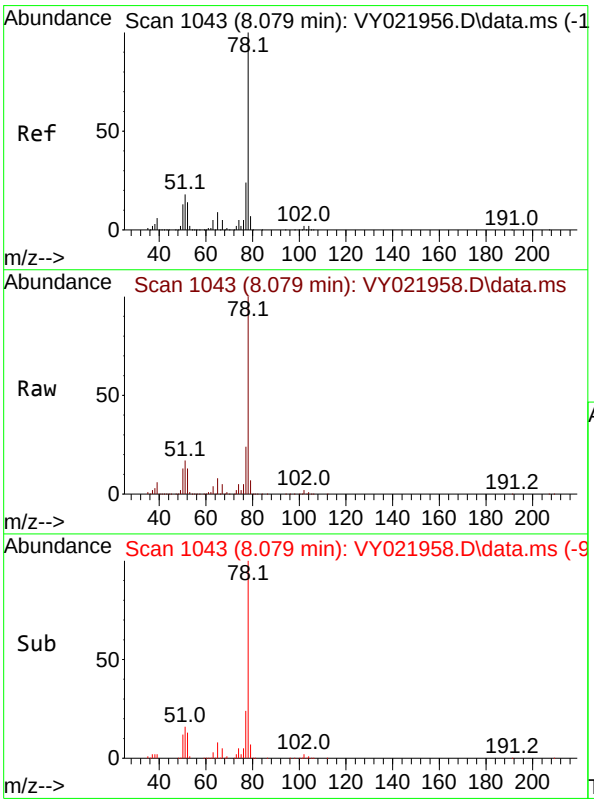
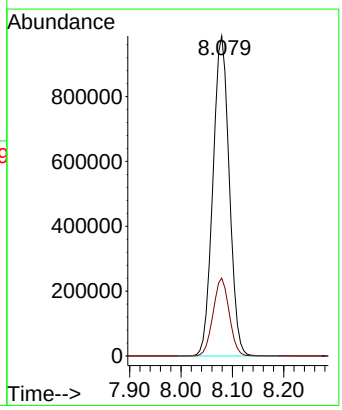
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

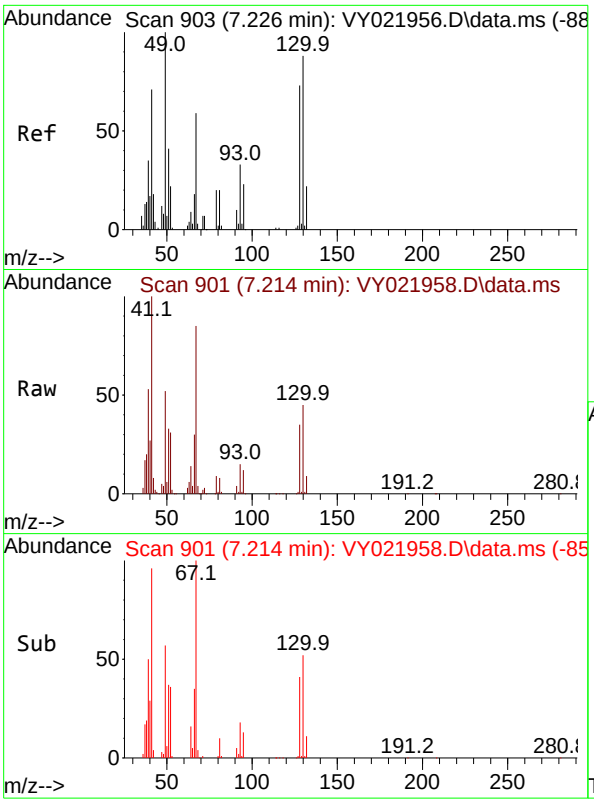


#40
Benzene
Concen: 146.818 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 78 Resp: 2184995

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9

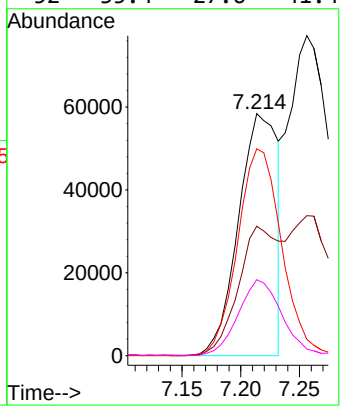




#41
Methacrylonitrile
Concen: 144.765 ug/l
RT: 7.214 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 41 Resp: 13536

Ion	Ratio	Lower	Upper
41	100		
39	60.3	36.6	55.0
67	96.7	72.2	108.4
52	35.4	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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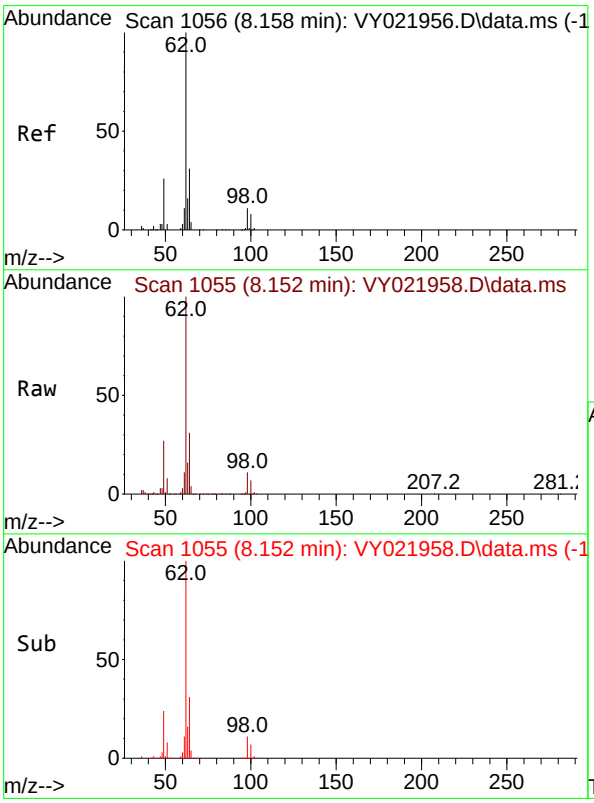
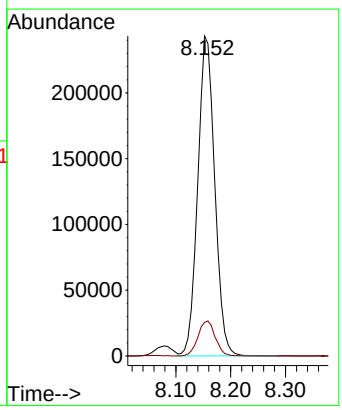
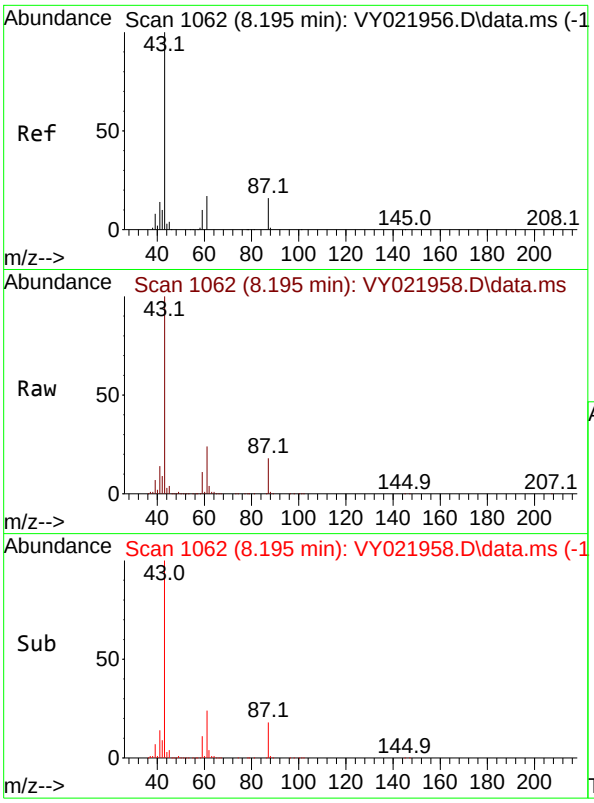


#42
1,2-Dichloroethane
Concen: 141.914 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 62 Resp: 522909

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.0





#43
Isopropyl Acetate
Concen: 151.020 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 49590

Ion	Ratio	Lower	Upper
43	100		
61	35.6	18.9	28.3#
87	18.1	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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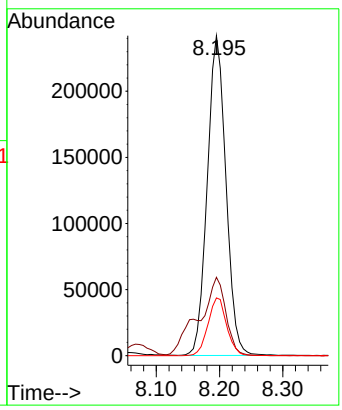
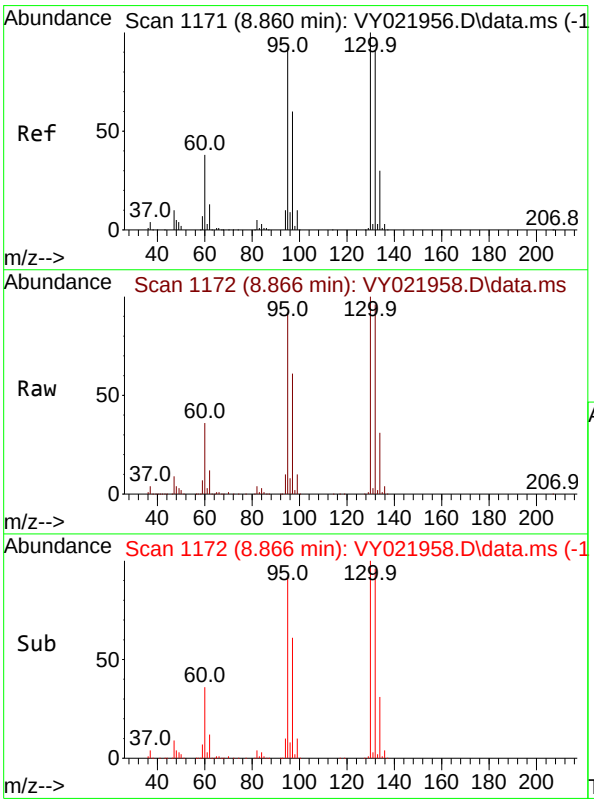
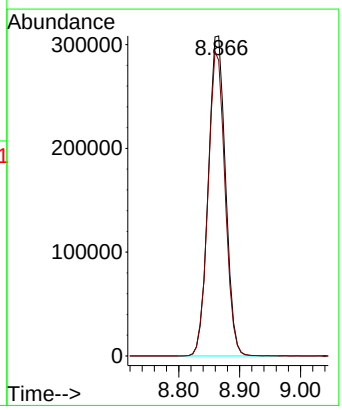


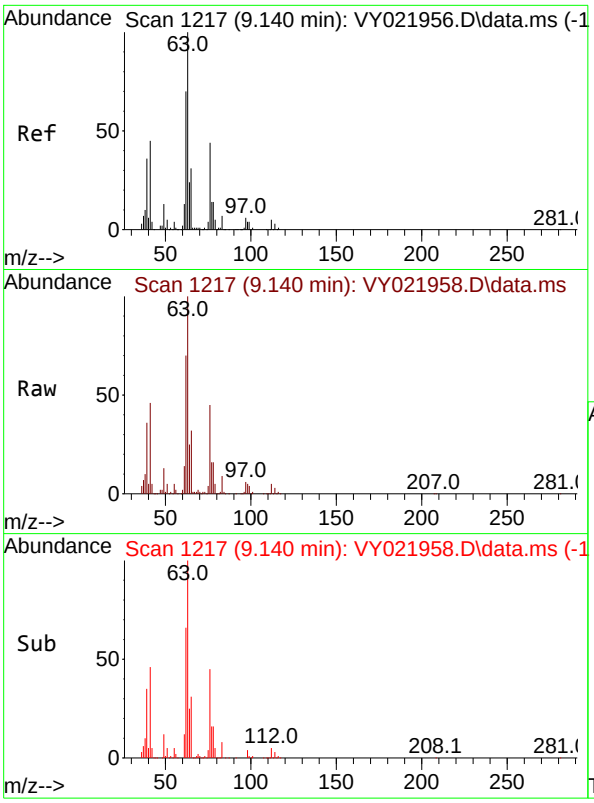


#44
Trichloroethene
Concen: 146.435 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:130 Resp: 603635

Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	183.2

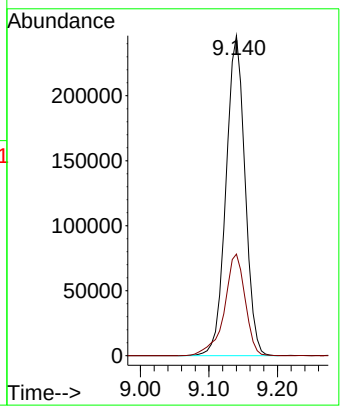




#45
1,2-Dichloropropane
Concen: 143.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 63 Resp: 47321

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/23/2025
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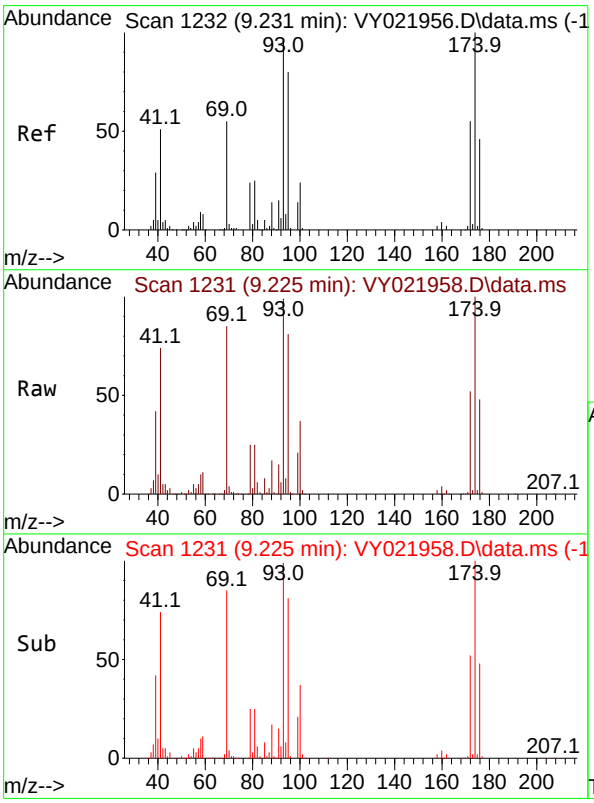
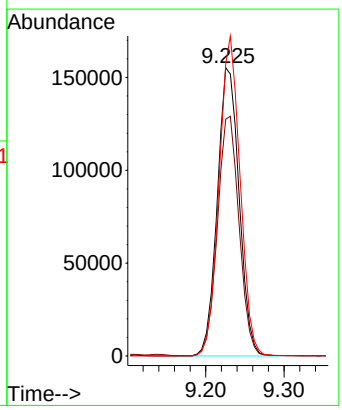
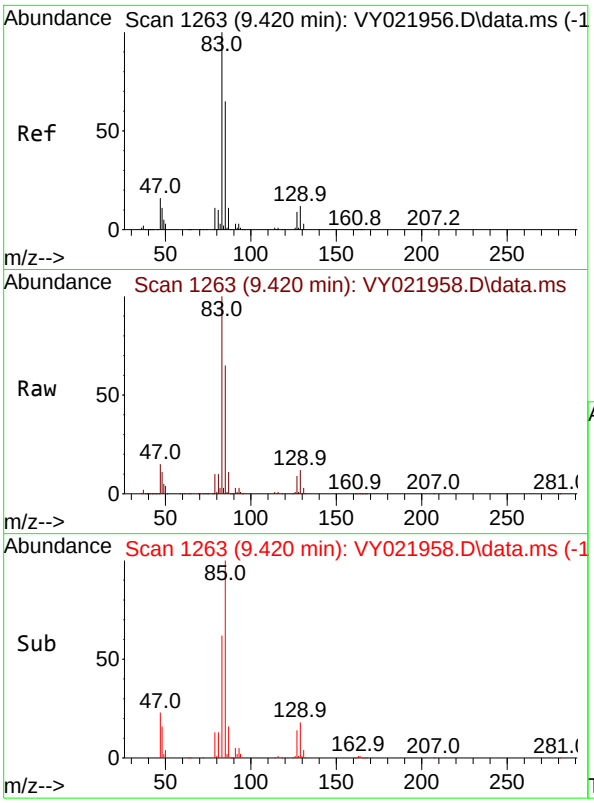


#46
Dibromomethane
Concen: 145.844 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 93 Resp: 300473

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.7	100.1
174	106.9	84.6	127.0

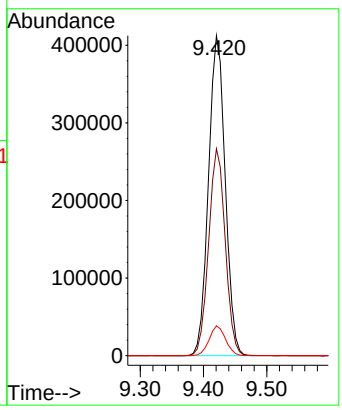




#47
Bromodichloromethane
Concen: 147.426 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 83 Resp: 75877

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	9.3	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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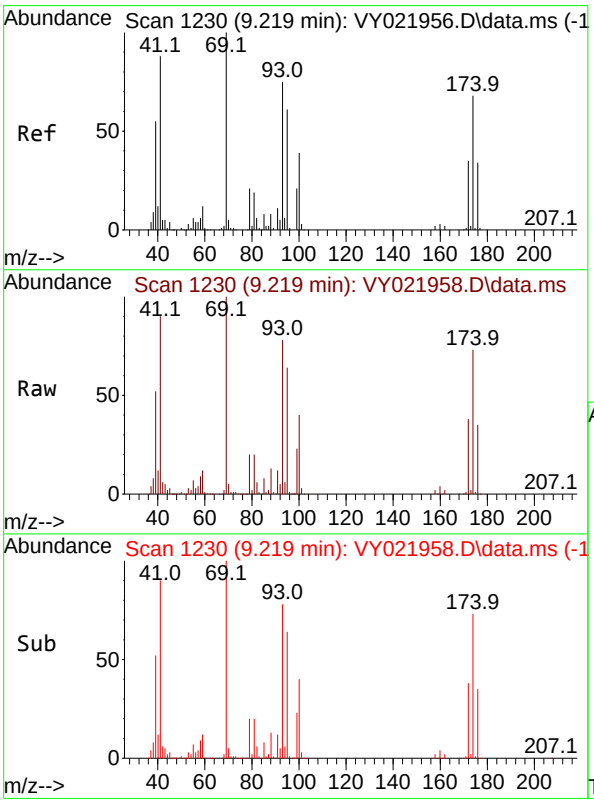
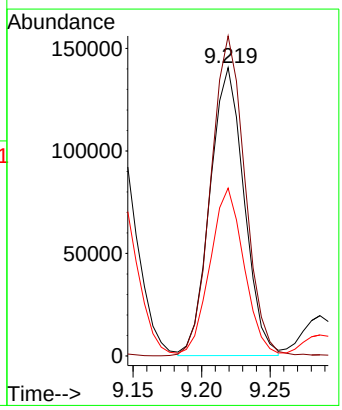
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

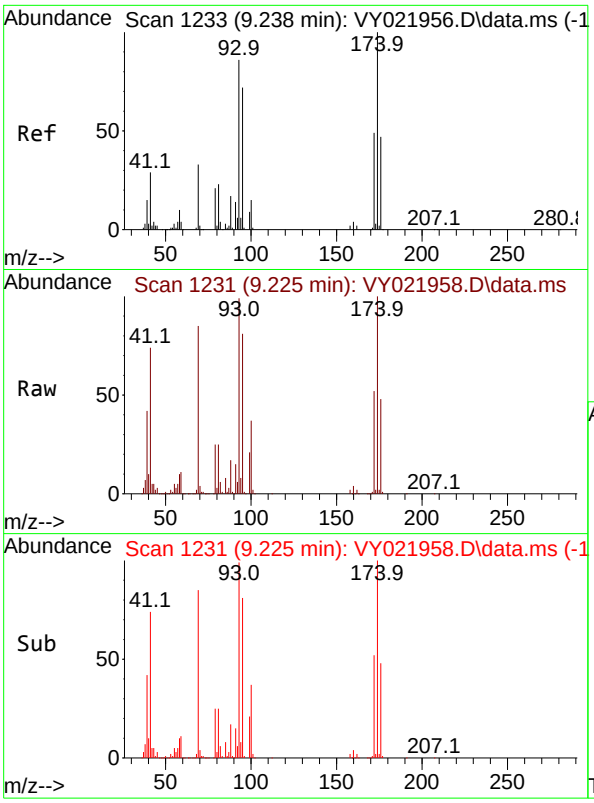


#48
Methyl methacrylate
Concen: 160.190 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 41 Resp: 243168

Ion	Ratio	Lower	Upper
41	100		
69	111.2	85.5	128.3
39	56.5	46.2	69.4

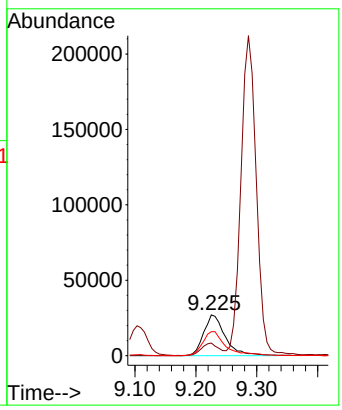




#49
1,4-Dioxane
Concen: 3029.677 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 88 Resp: 6652

Ion	Ratio	Lower	Upper
88	100		
43	25.3	21.3	31.9
58	63.5	50.5	75.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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Reviewed By :Semsettin Yesilyurt 04/23/2025
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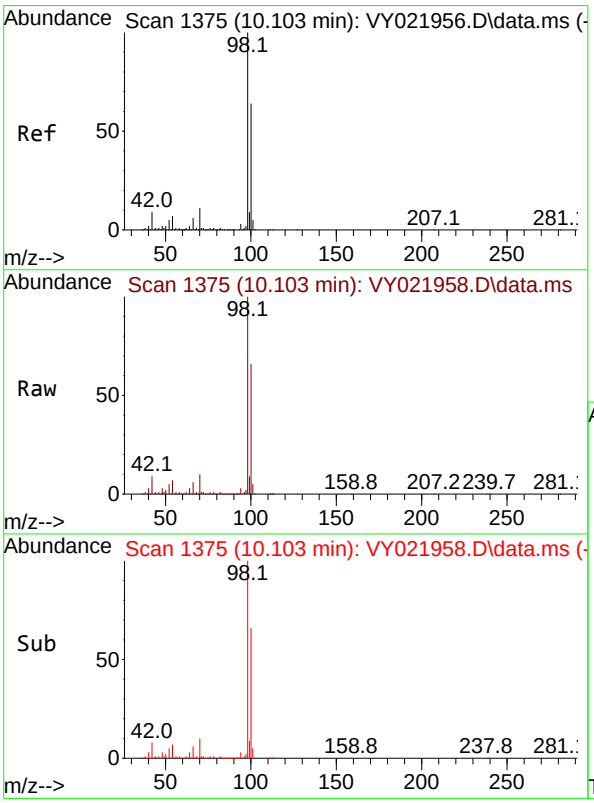
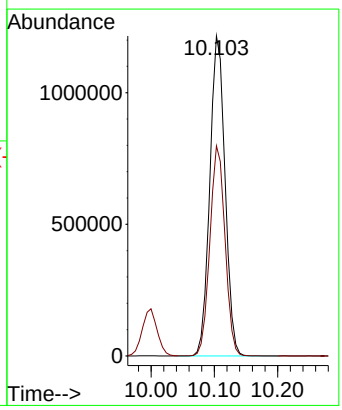
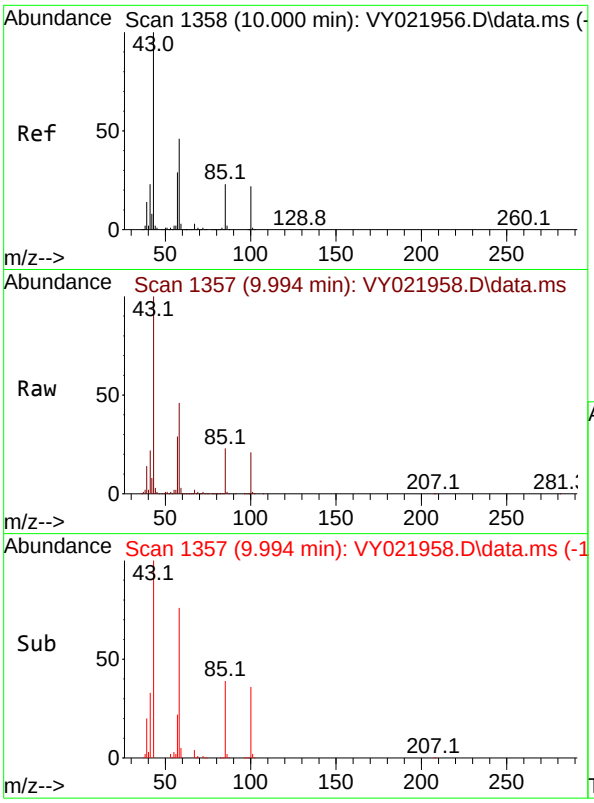


#50
Toluene-d8
Concen: 151.892 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 98 Resp: 2029557

Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.6	77.4

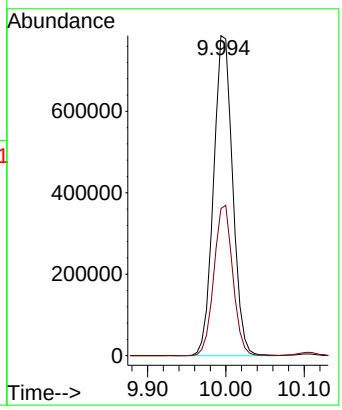




#51
4-Methyl-2-Pentanone
Concen: 773.306 ug/l
RT: 9.994 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 133112

Ion	Ratio	Lower	Upper
43	100		
58	46.5	36.6	55.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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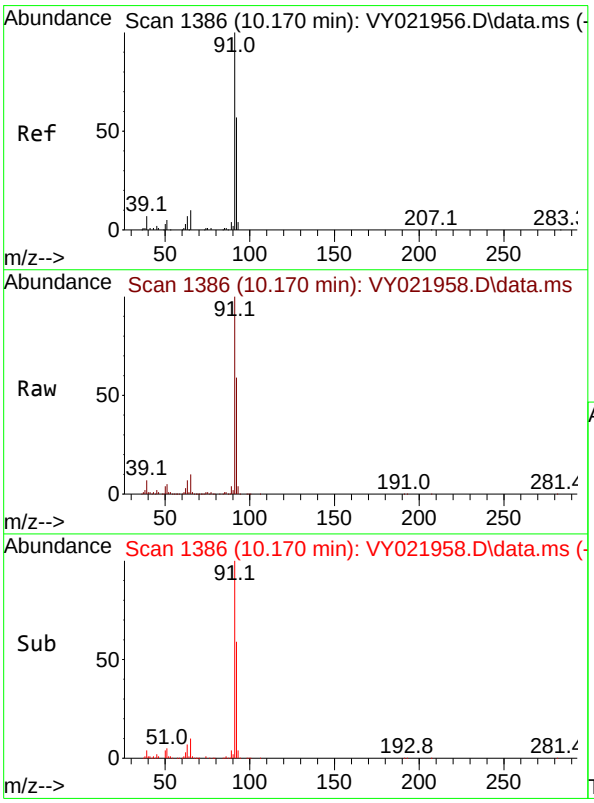
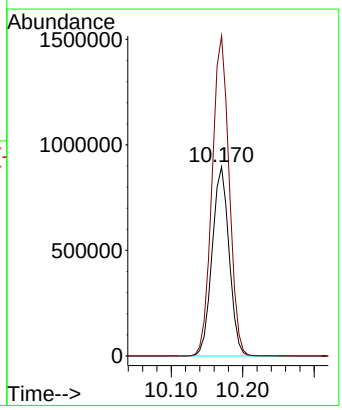
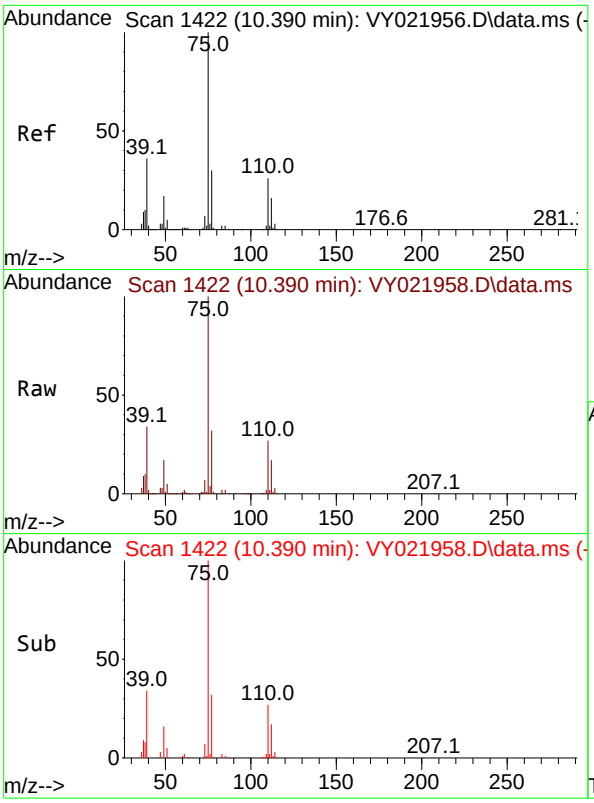


#52
Toluene
Concen: 152.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 92 Resp: 1470005

Ion	Ratio	Lower	Upper
92	100		
91	170.9	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 154.922 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 68392(

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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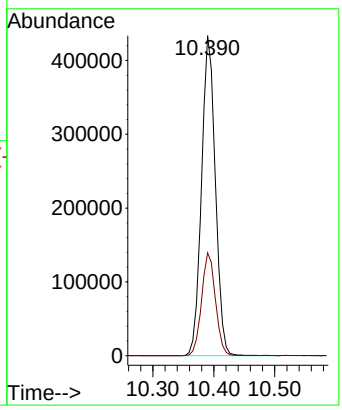
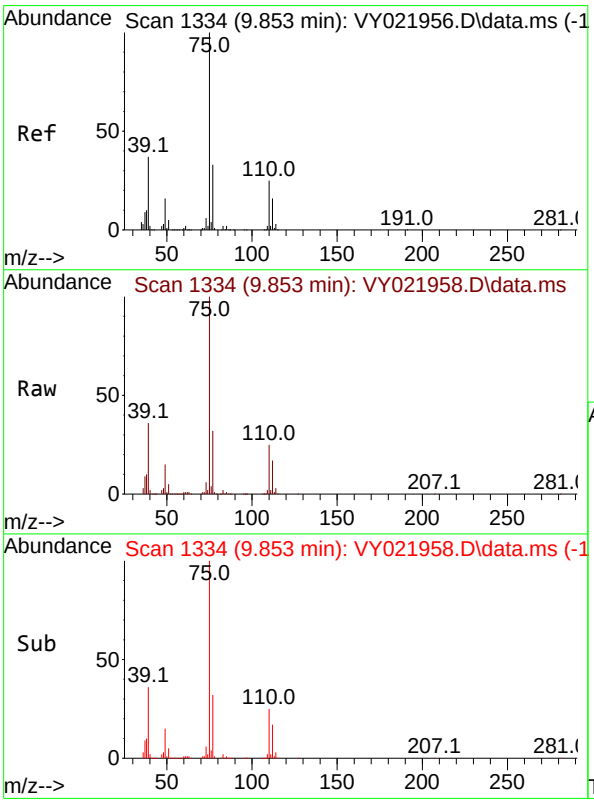
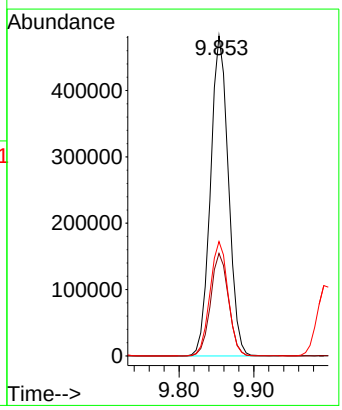


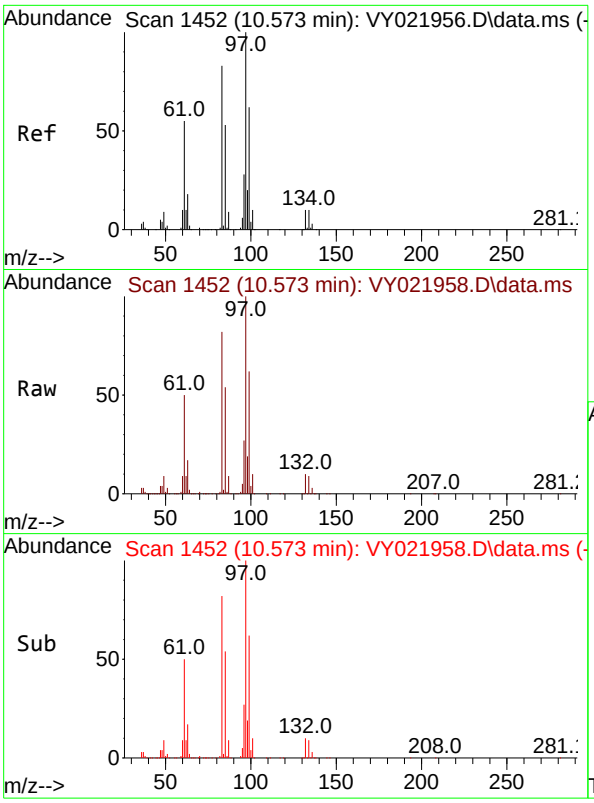


#54
cis-1,3-Dichloropropene
Concen: 153.345 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 804716

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.6	40.0
39	35.7	29.6	44.4

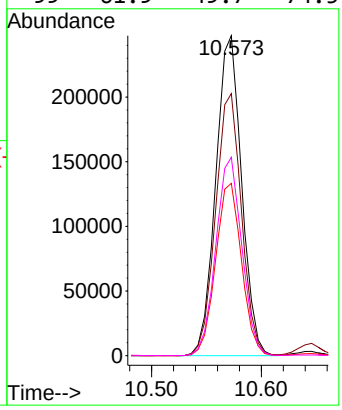




#55
1,1,2-Trichloroethane
Concen: 147.287 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 97 Resp: 40533

Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.7	100.1
85	53.9	42.6	64.0
99	61.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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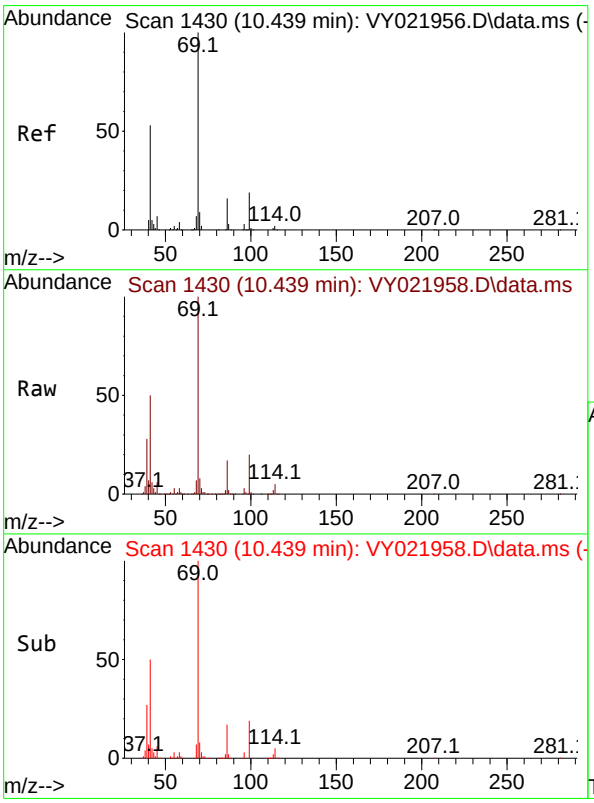
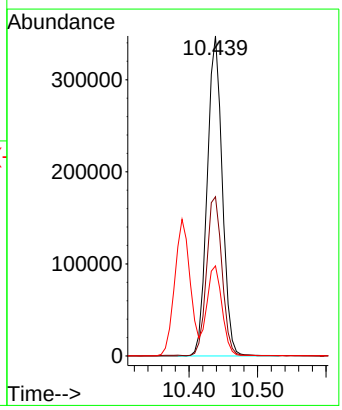
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

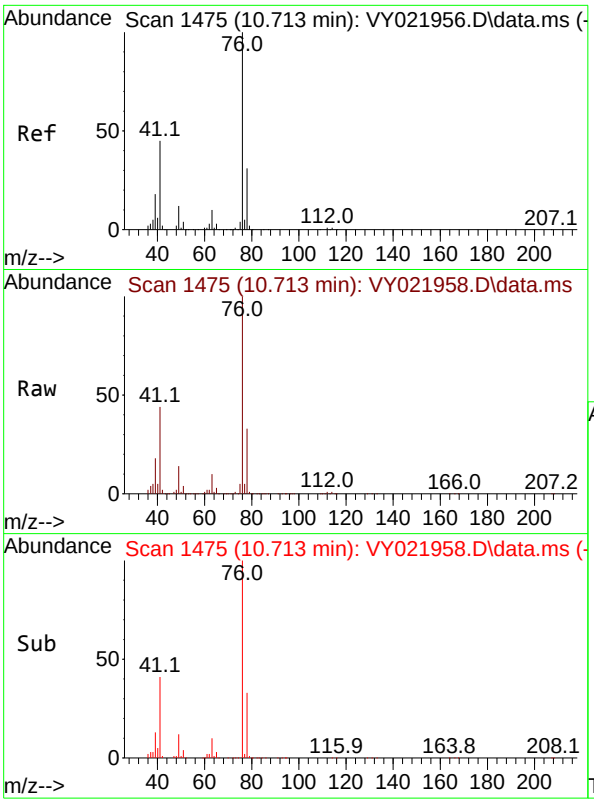


#56
Ethyl methacrylate
Concen: 168.507 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 69 Resp: 530305

Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	28.4	23.3	34.9

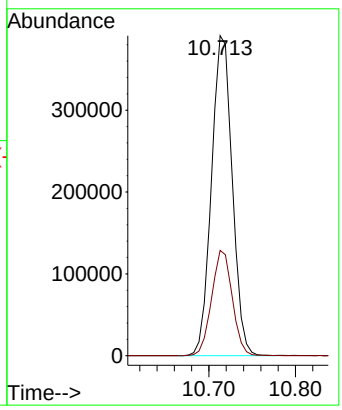




#57
1,3-Dichloropropane
Concen: 147.471 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 76 Resp: 65061

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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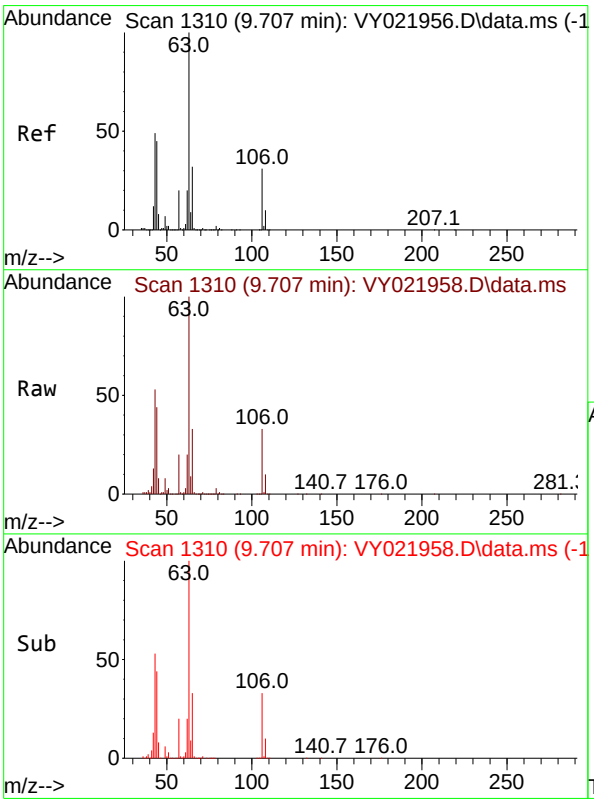
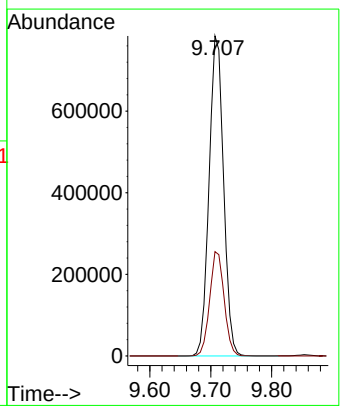
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

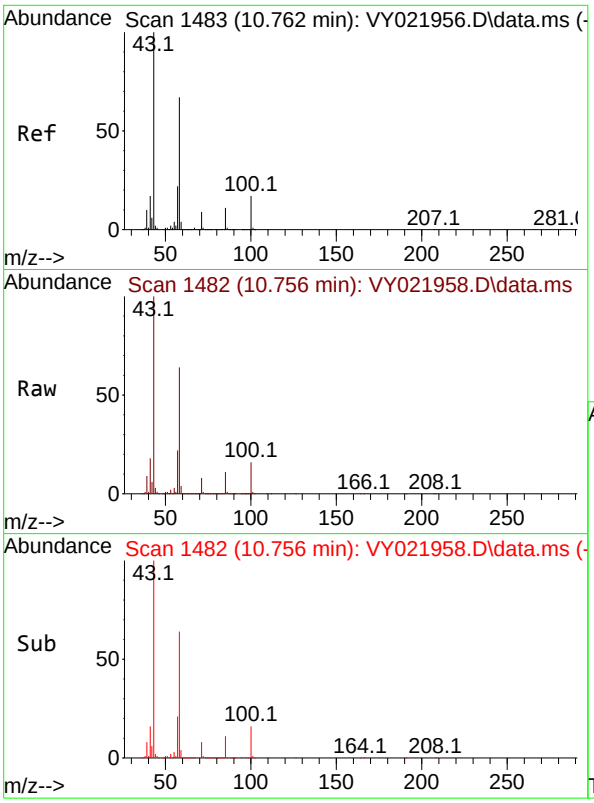


#58
2-Chloroethyl Vinyl ether
Concen: 840.076 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 63 Resp: 1292633

Ion	Ratio	Lower	Upper
63	100		
106	32.5	25.3	37.9





#59
2-Hexanone
Concen: 789.752 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 89666

Ion	Ratio	Lower	Upper
43	100		
58	64.8	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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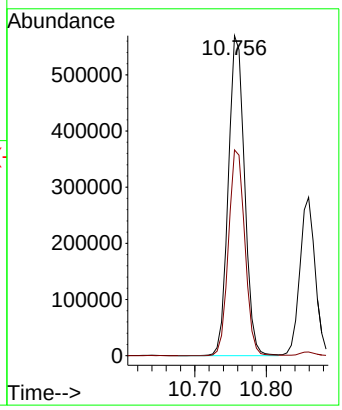
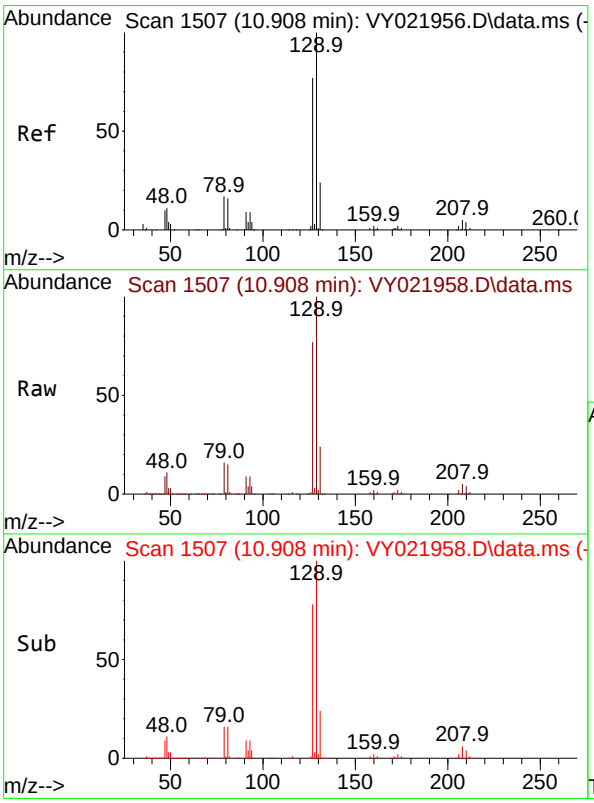
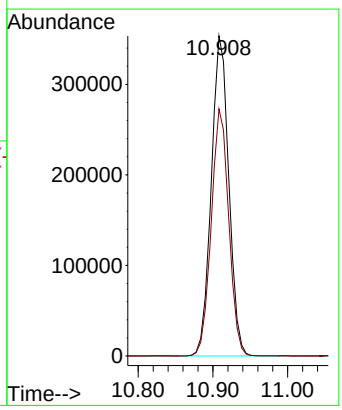


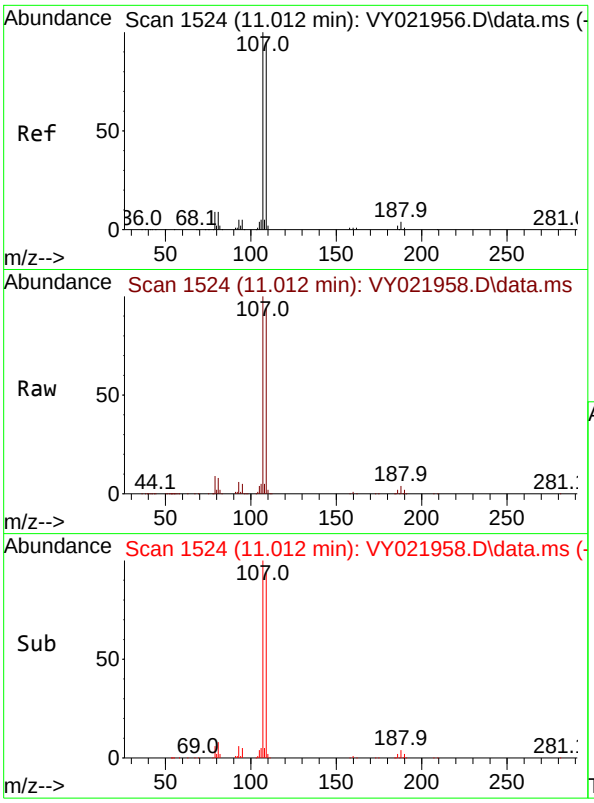


#60
Dibromochloromethane
Concen: 150.763 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:129 Resp: 574423

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3

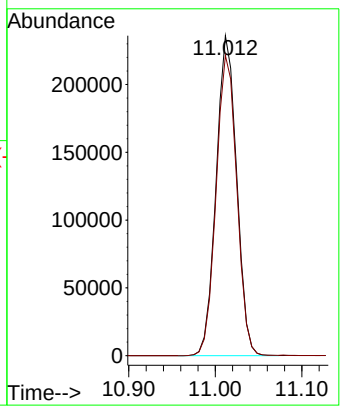




#61
1,2-Dibromoethane
Concen: 148.938 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:107 Resp: 38695

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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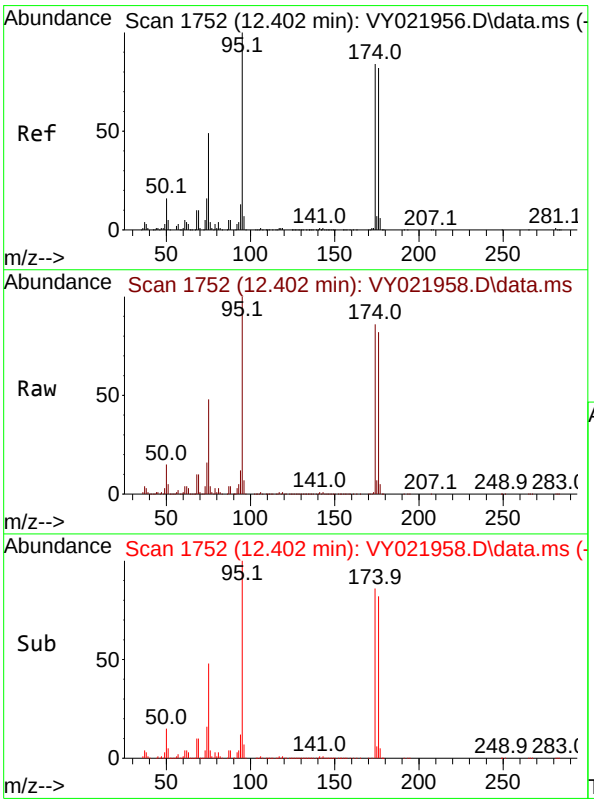
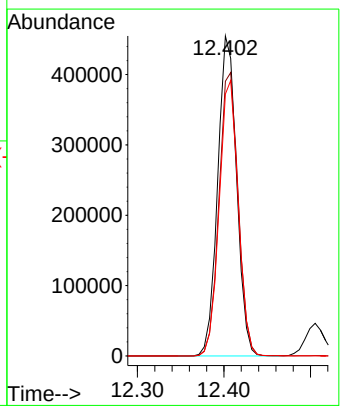
Supervised By :Mahesh Dadoda 04/23/2025

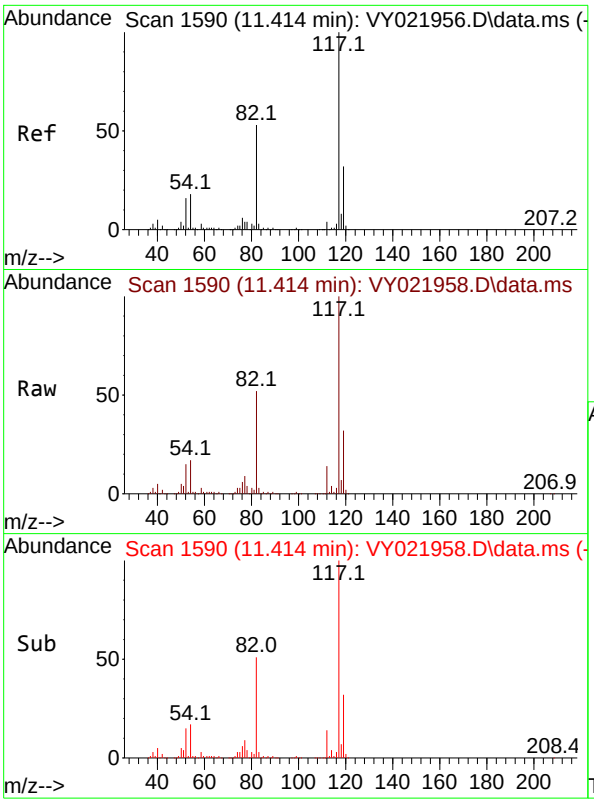


#62
4-Bromofluorobenzene
Concen: 152.965 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 95 Resp: 688061

Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	179.0
176	86.9	0.0	171.8

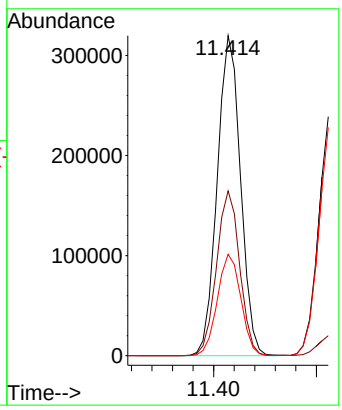




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:117 Resp: 50224

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.1	63.1
119	31.7	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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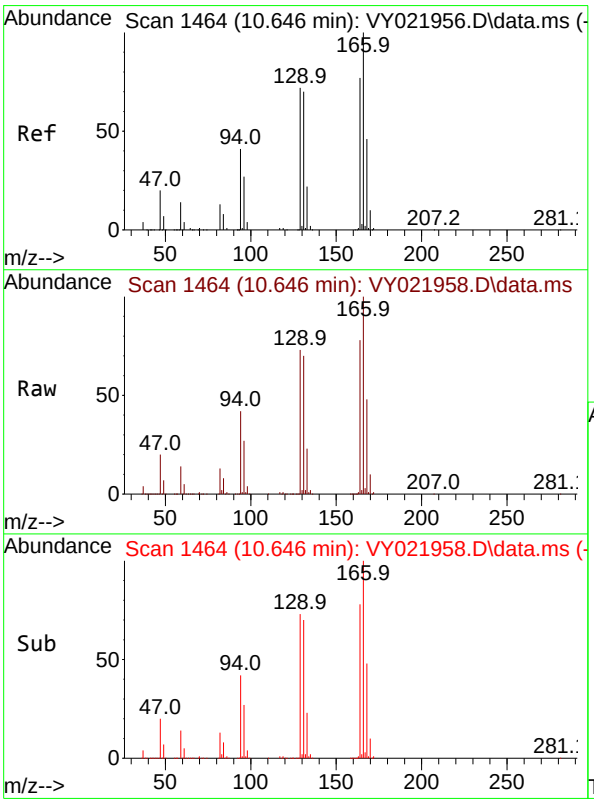
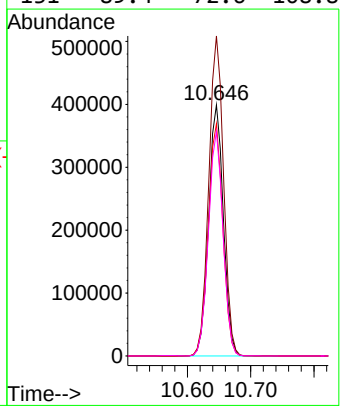
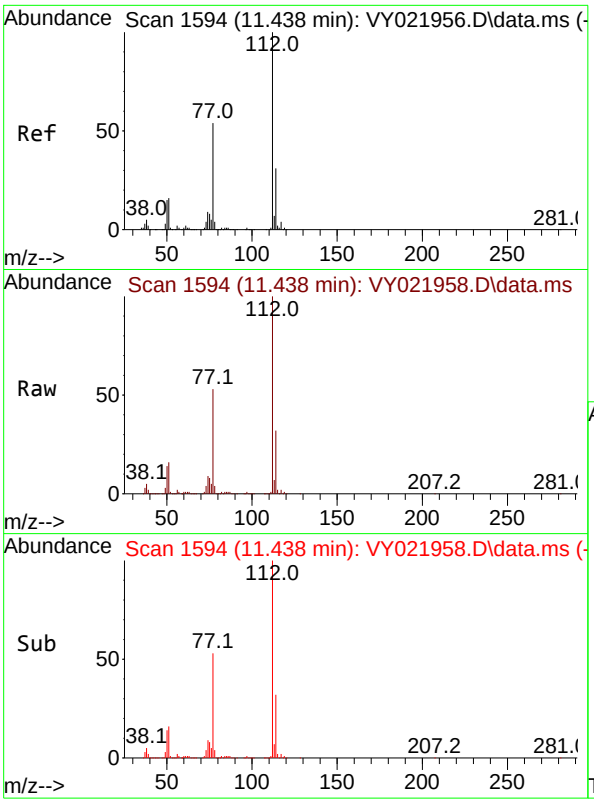


#64
Tetrachloroethene
Concen: 136.828 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:164 Resp: 648295

Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.6	155.4
129	92.5	74.2	111.4
131	89.4	72.6	108.8

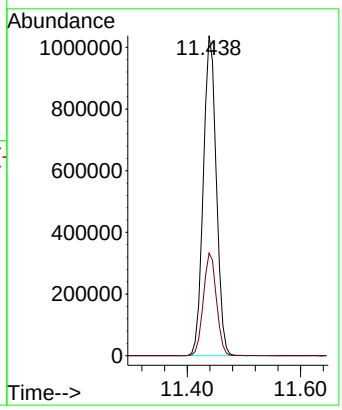




#65
Chlorobenzene
Concen: 146.452 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:112 Resp: 164487

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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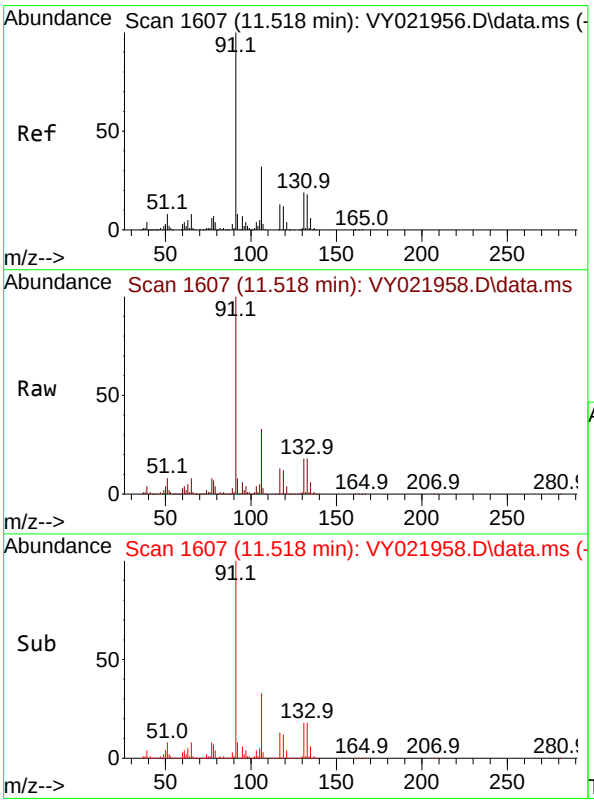
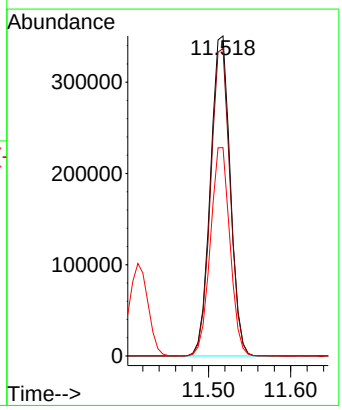
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

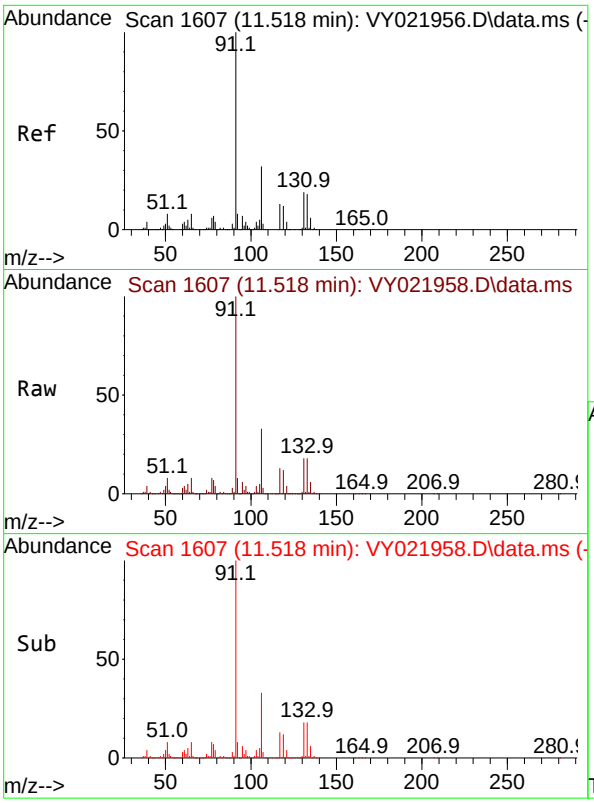


#66
1,1,1,2-Tetrachloroethane
Concen: 147.925 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:131 Resp: 584913

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.3
119	64.6	32.4	97.0

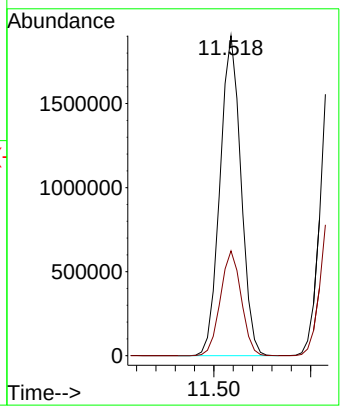




#67
Ethyl Benzene
Concen: 155.641 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 285958

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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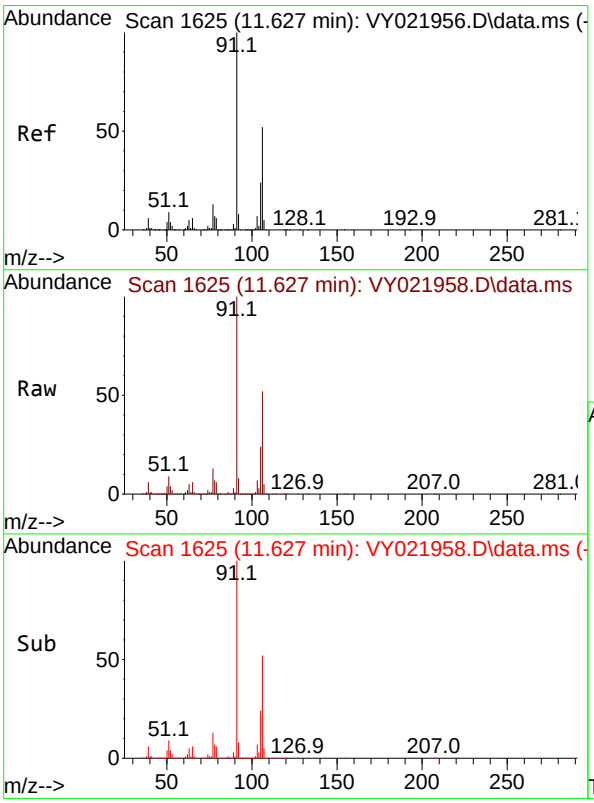
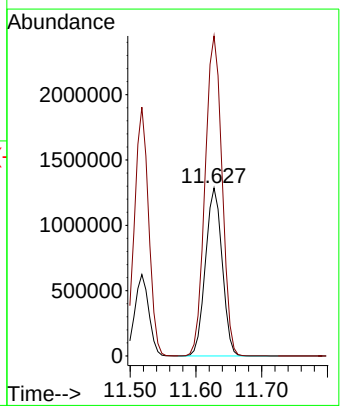
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

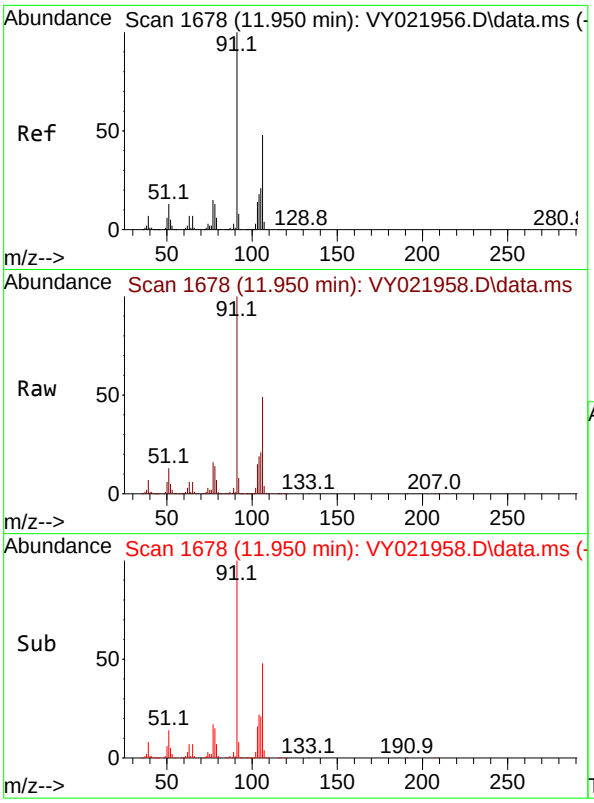


#68
m/p-Xylenes
Concen: 310.594 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:106 Resp: 2270756

Ion	Ratio	Lower	Upper
106	100		
91	193.3	156.2	234.2

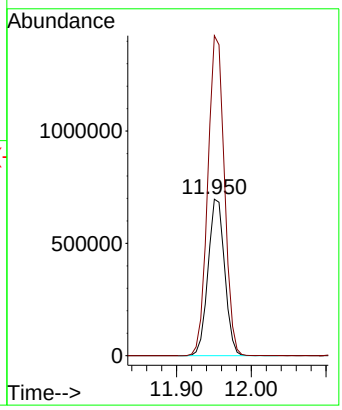




#69
o-Xylene
Concen: 160.131 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:106 Resp: 107903

Ion	Ratio	Lower	Upper
106	100		
91	204.3	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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Reviewed By :Semsettin Yesilyurt 04/23/2025
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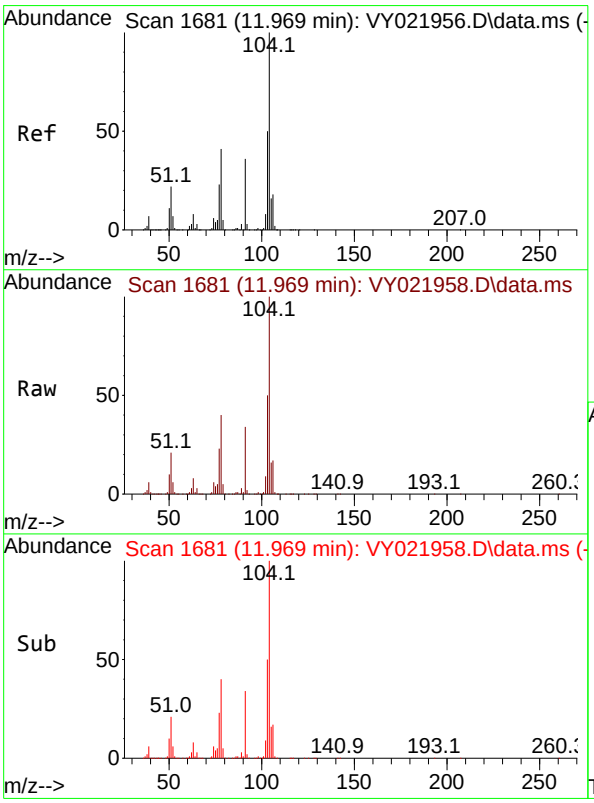
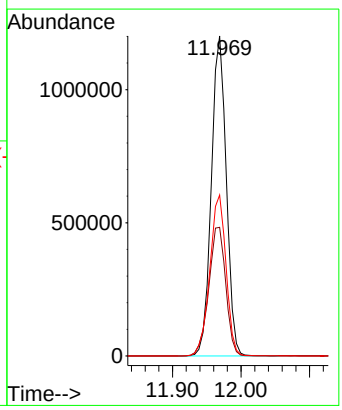
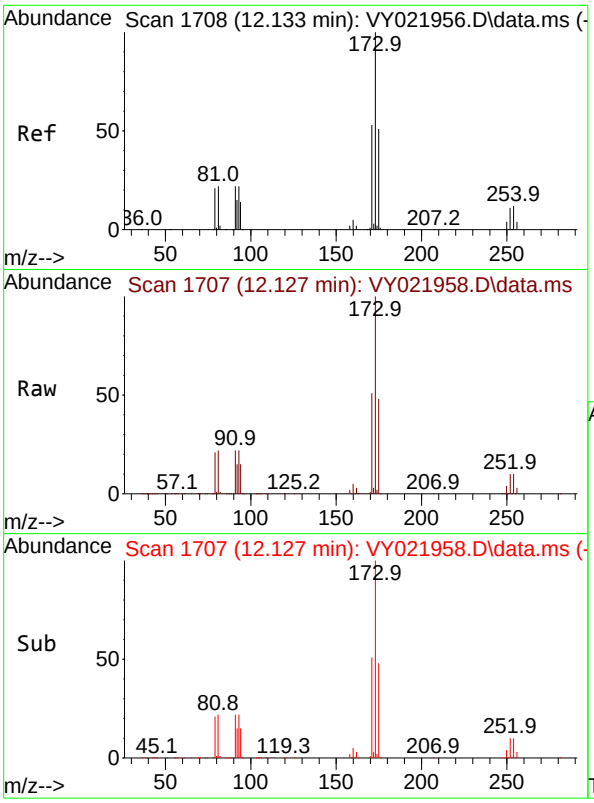


#70
Styrene
Concen: 160.979 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:104 Resp: 1821333

Ion	Ratio	Lower	Upper
104	100		
78	45.7	36.6	54.8
103	54.6	43.8	65.8

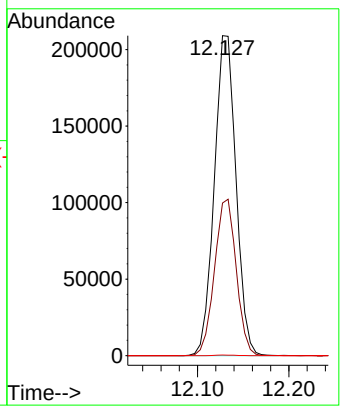




#71
Bromoform
Concen: 150.413 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:173 Resp: 34578

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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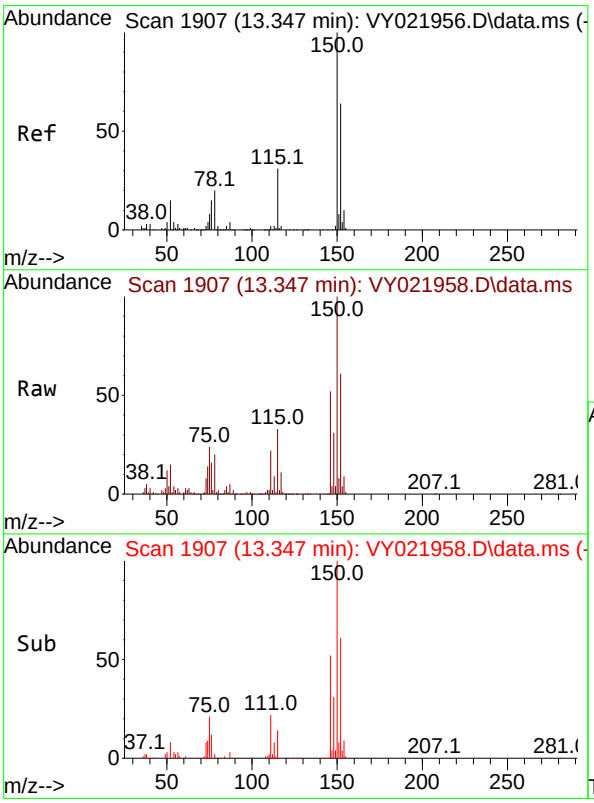
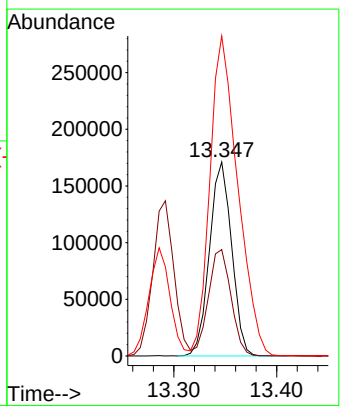
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

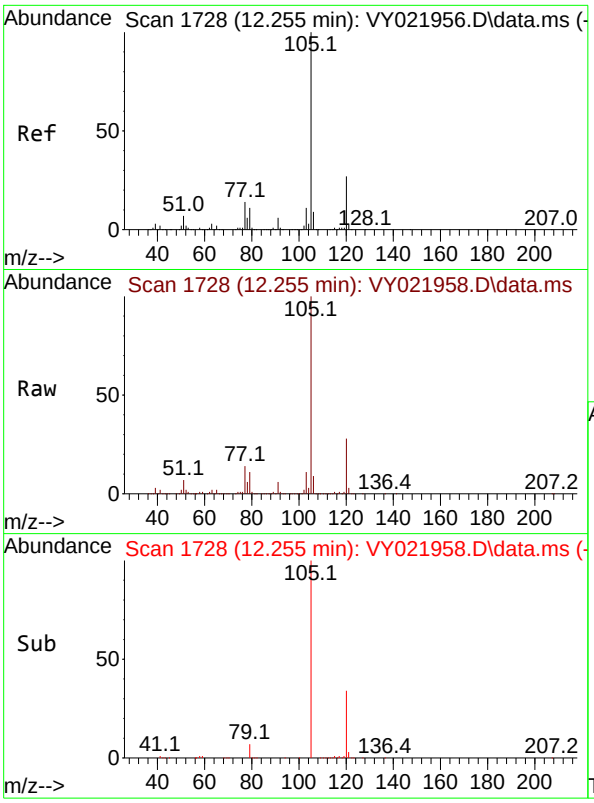


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:152 Resp: 256233

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	207.6	0.0	345.6

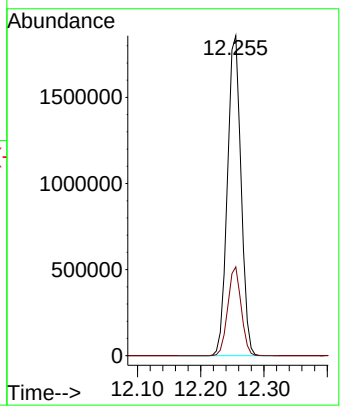




#73
Isopropylbenzene
Concen: 161.622 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:105 Resp: 276682

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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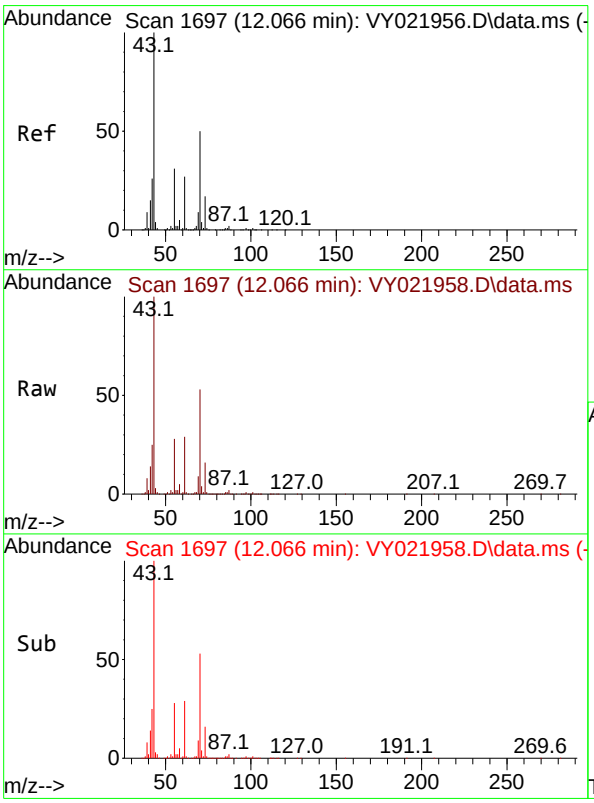
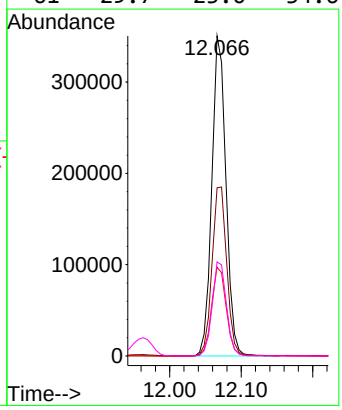
Supervised By :Mahesh Dadoda 04/23/2025

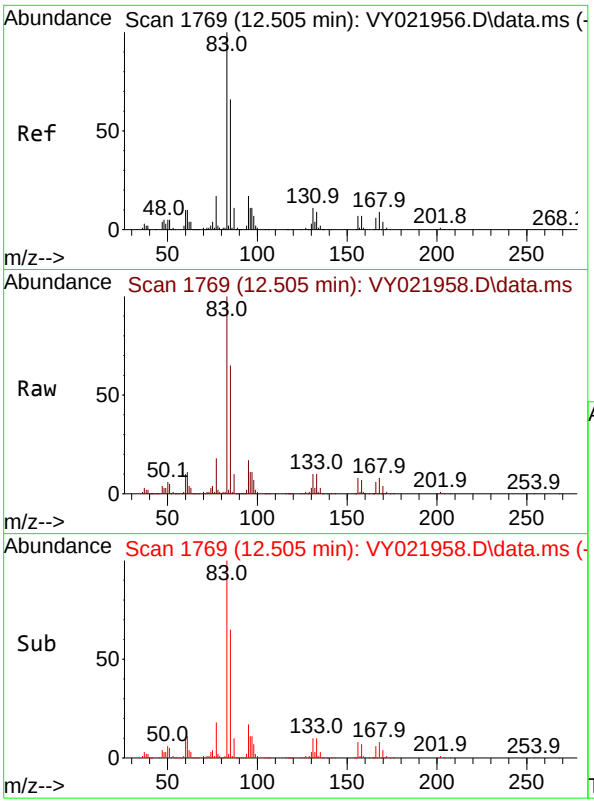


#74
N-amyl acetate
Concen: 163.570 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 481095

Ion	Ratio	Lower	Upper
43	100		
70	55.2	43.2	64.8
55	29.0	25.7	38.5
61	29.7	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 148.581 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 83 Resp: 42883

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.4
85	65.1	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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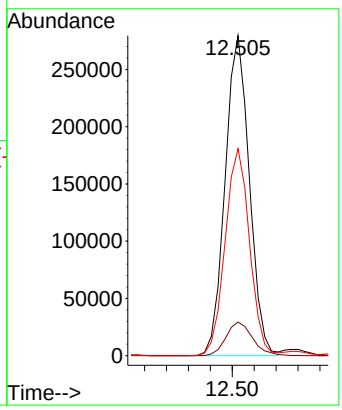
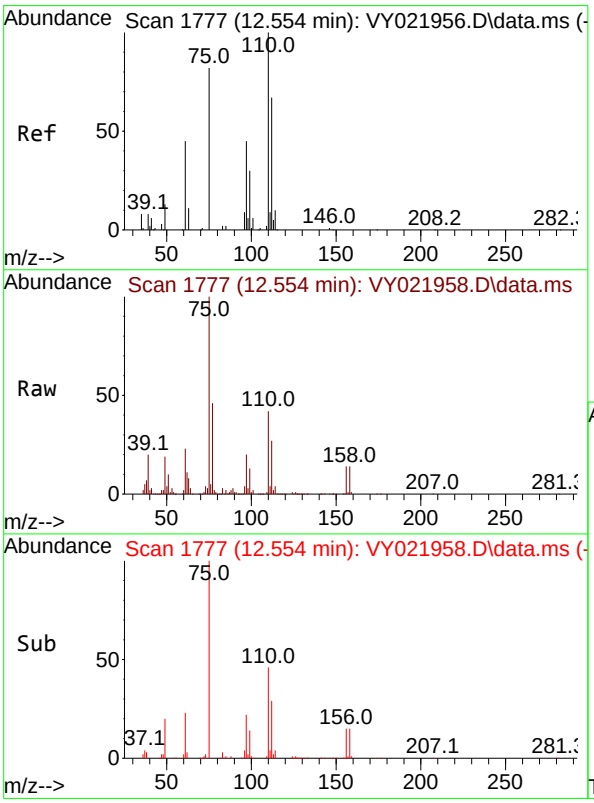
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

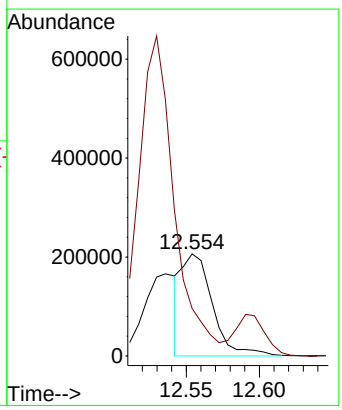


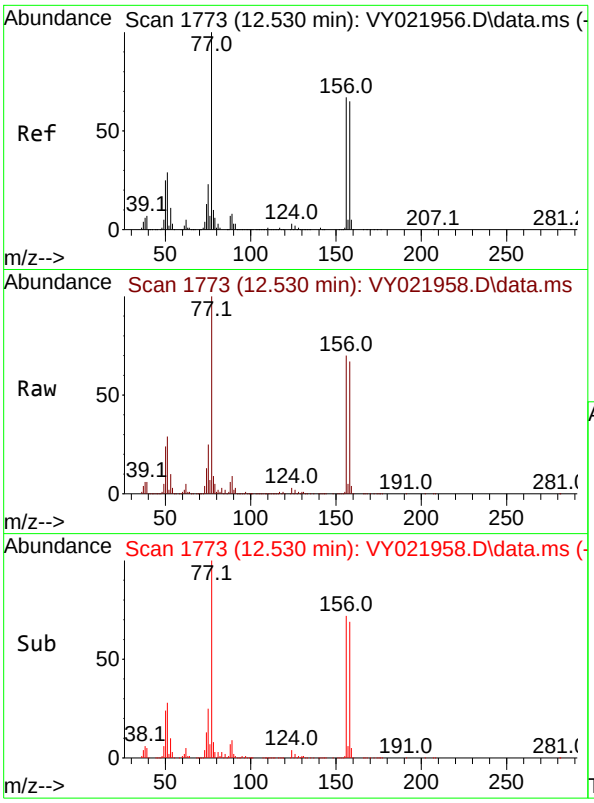


#76
1,2,3-Trichloropropane
Concen: 135.026 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 304860

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

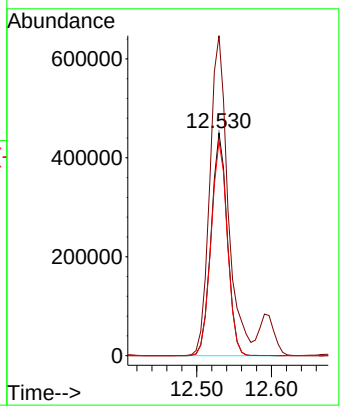




#77
Bromobenzene
Concen: 156.545 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:156 Resp: 67717

Ion	Ratio	Lower	Upper
156	100		
77	161.9	82.7	248.1
158	97.2	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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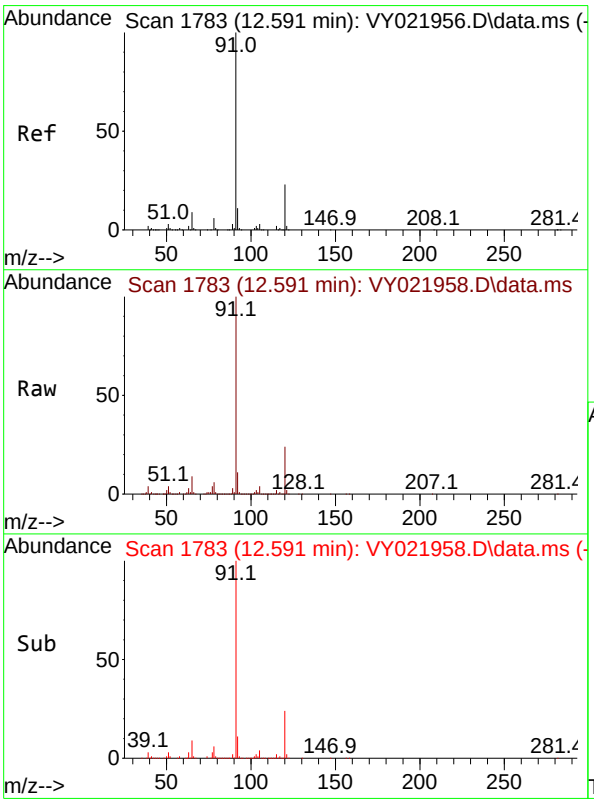
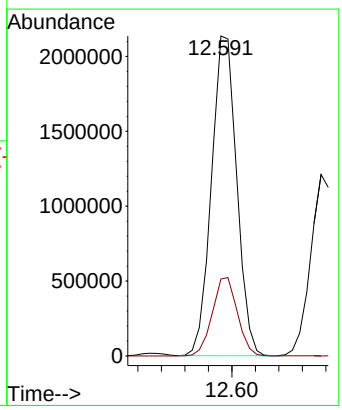
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

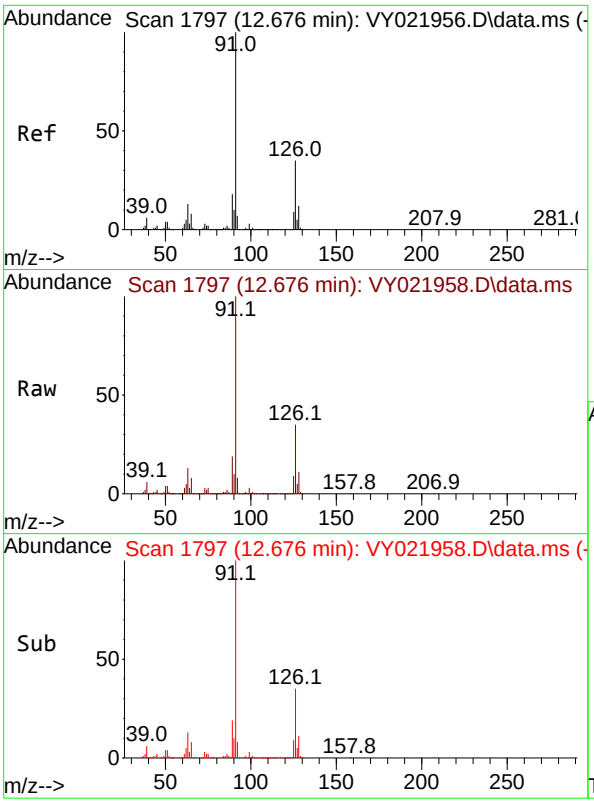


#78
n-propylbenzene
Concen: 156.567 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 3191904

Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.5

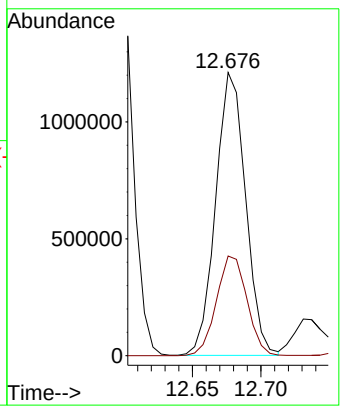




#79
2-Chlorotoluene
Concen: 155.043 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 183821

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

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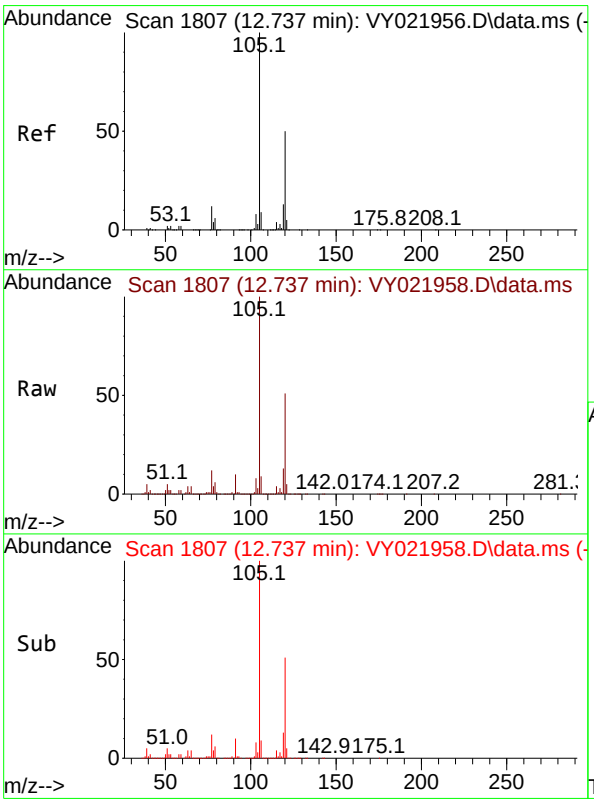
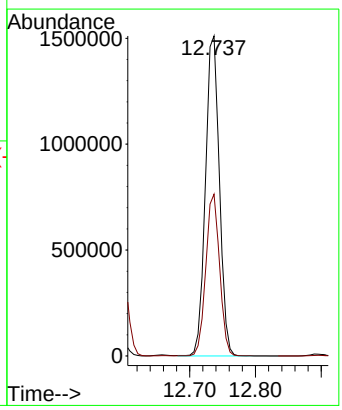
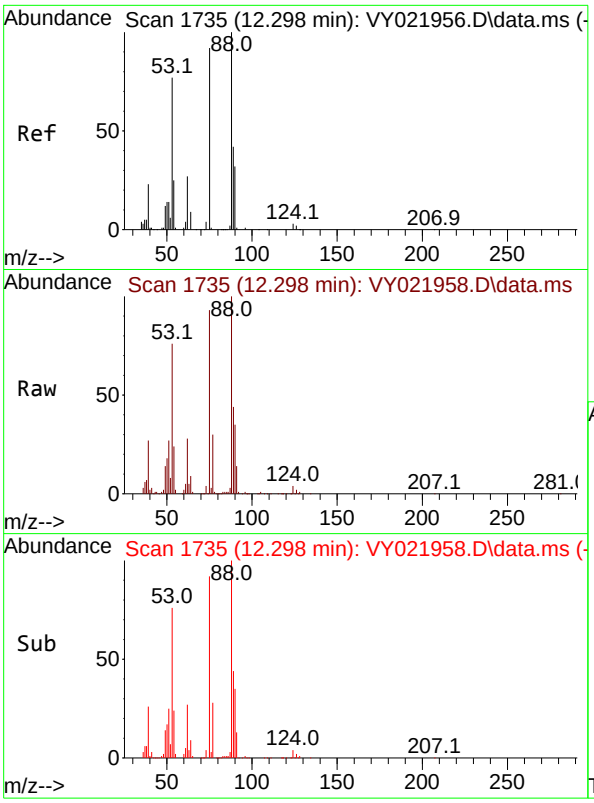


#80
1,3,5-Trimethylbenzene
Concen: 157.948 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:105 Resp: 2227887

Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.0	75.0

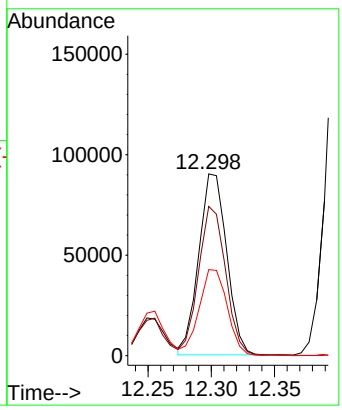




#81
trans-1,4-Dichloro-2-butene
Concen: 152.337 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 13883

Ion	Ratio	Lower	Upper
75	100		
53	80.5	66.0	99.0
89	48.1	37.2	55.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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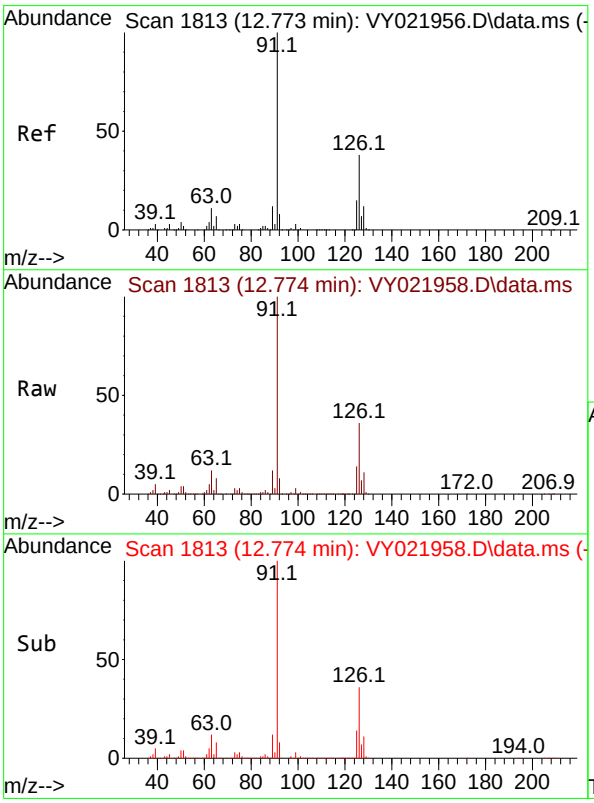
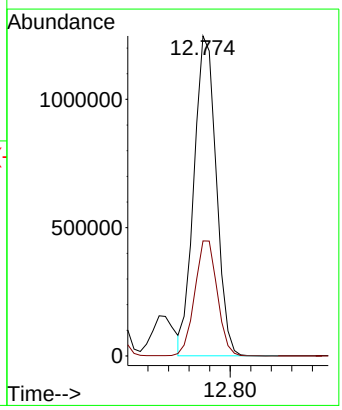
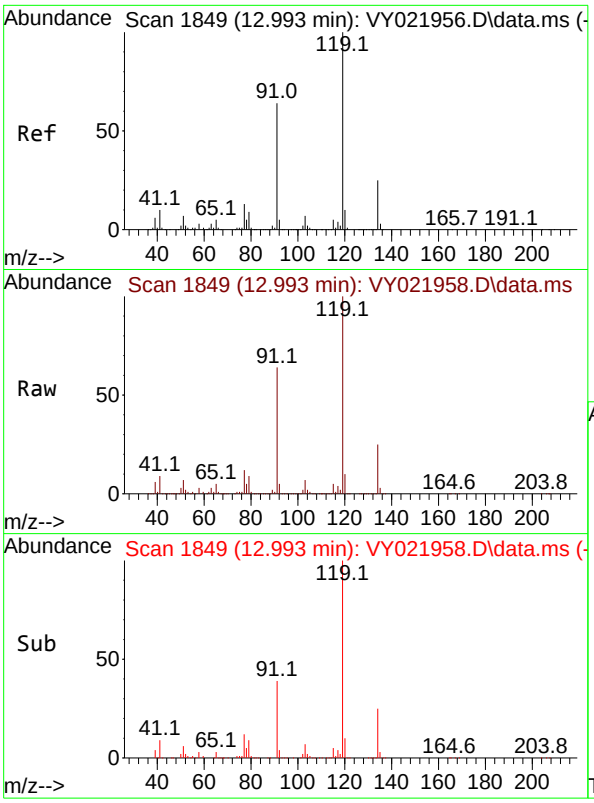


#82
4-Chlorotoluene
Concen: 152.484 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 1879346

Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.9	53.8





#83
tert-Butylbenzene
Concen: 164.108 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:119 Resp: 207600

Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.3	90.9
134	26.3	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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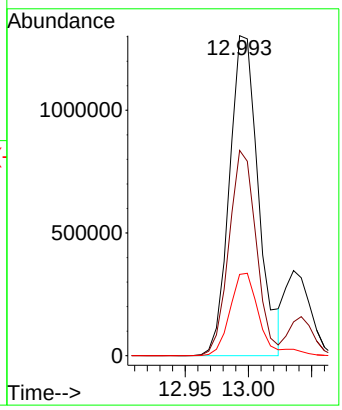
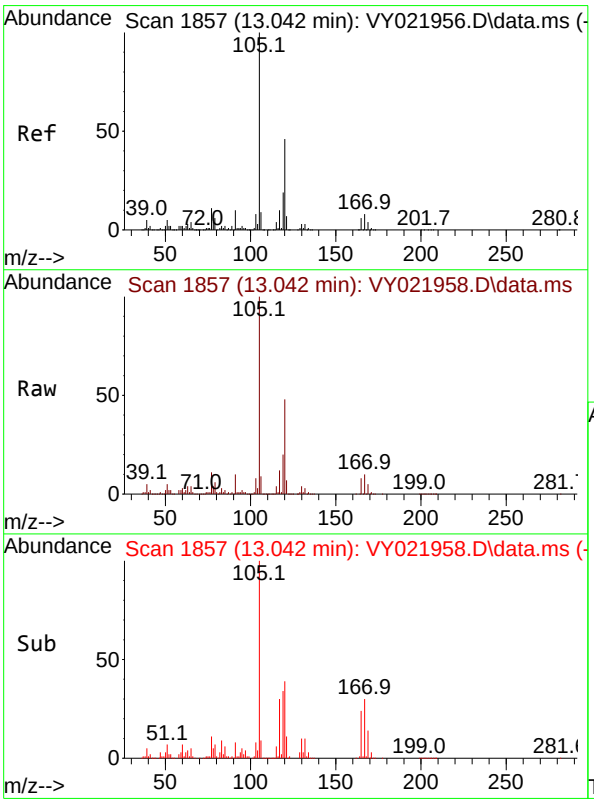
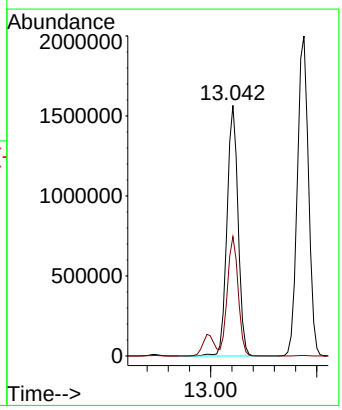


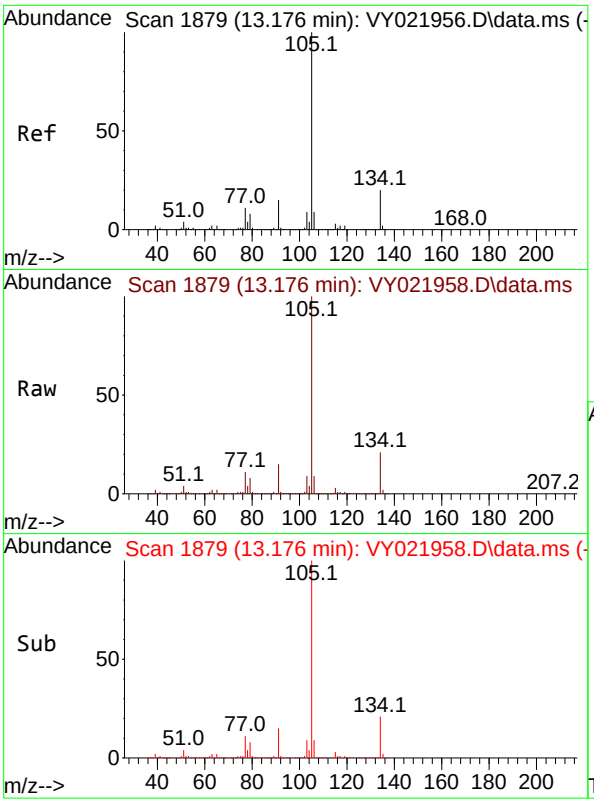


#84
1,2,4-Trimethylbenzene
Concen: 160.437 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:105 Resp: 2263509

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.0

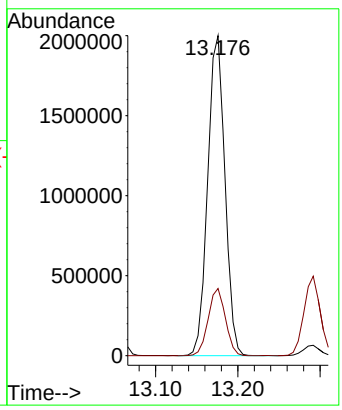




#85
sec-Butylbenzene
Concen: 157.224 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:105 Resp: 291039

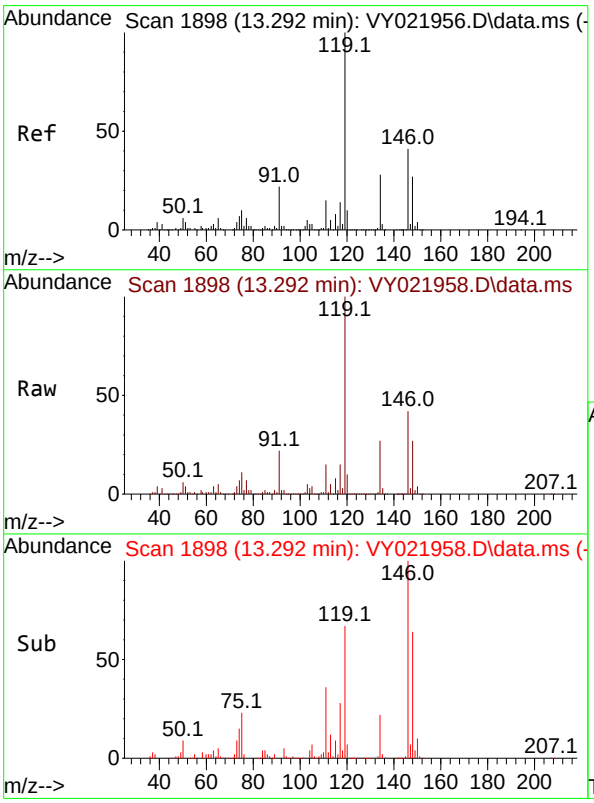
Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

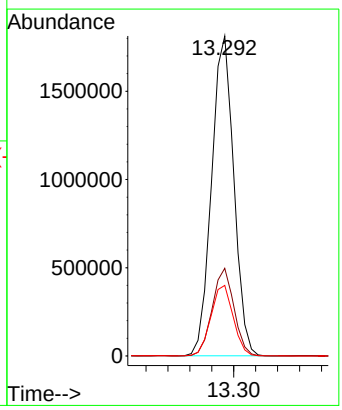
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

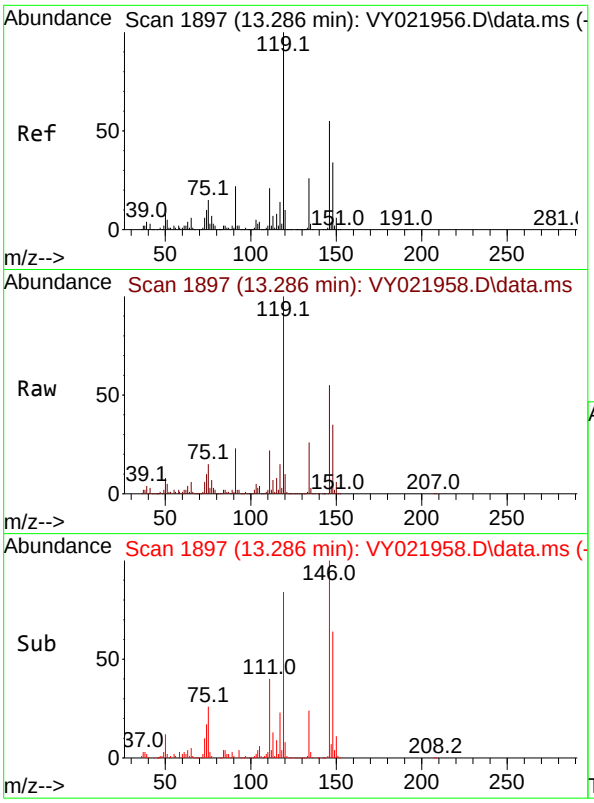


#86
p-Isopropyltoluene
Concen: 162.413 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:119 Resp: 2552924

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.6	40.7
91	22.2	11.0	33.0





#87
1,3-Dichlorobenzene
Concen: 152.409 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

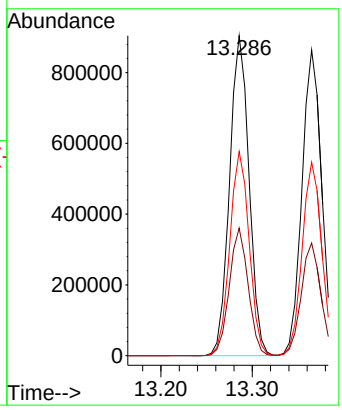
Tgt Ion:146 Resp: 133902

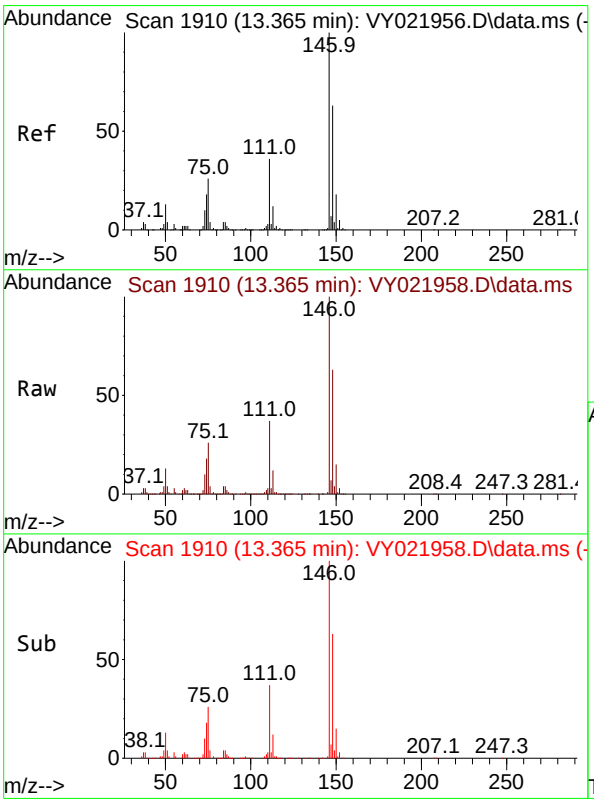
Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	63.5	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

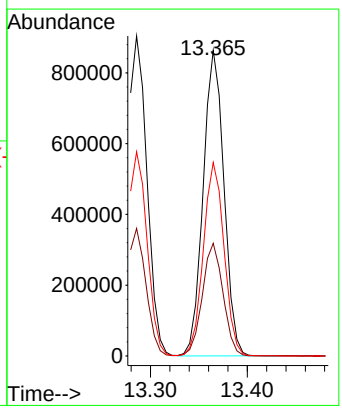


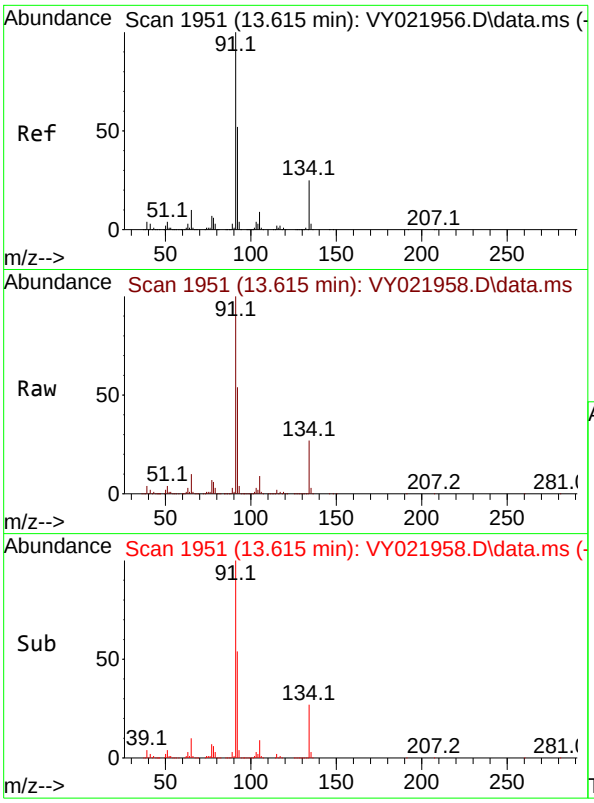


#88
1,4-Dichlorobenzene
Concen: 148.621 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:146 Resp: 1293200

Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.2	57.6
148	63.2	32.0	96.0

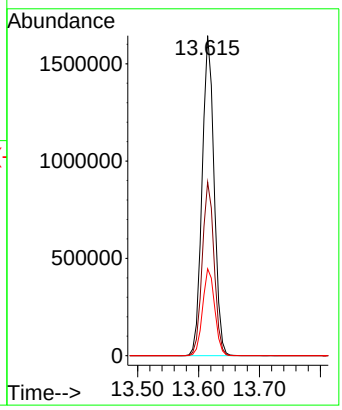




#89
n-Butylbenzene
Concen: 159.720 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 224406

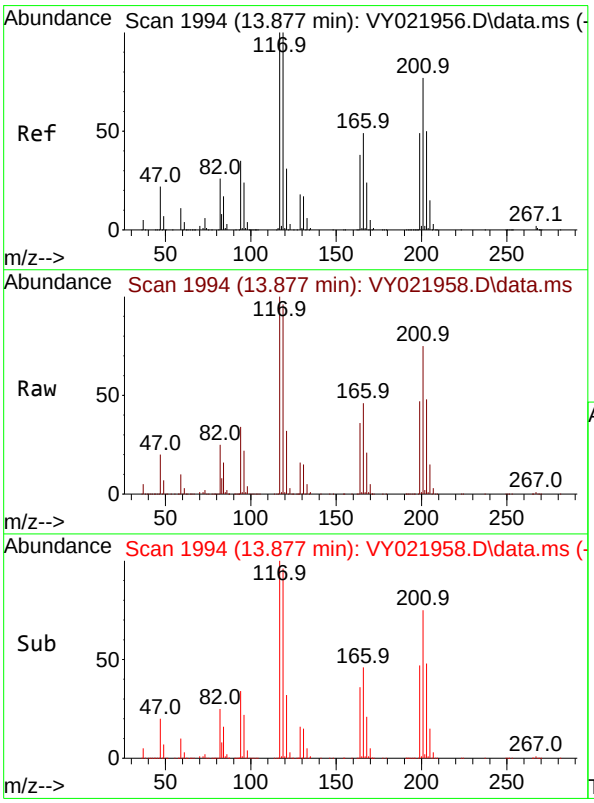
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.5	79.5
134	27.5	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

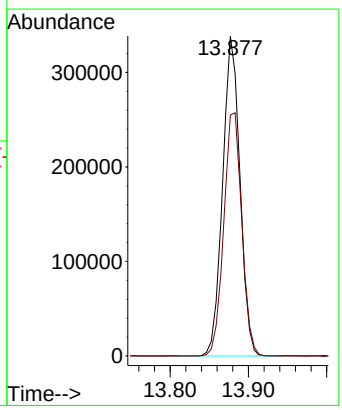
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

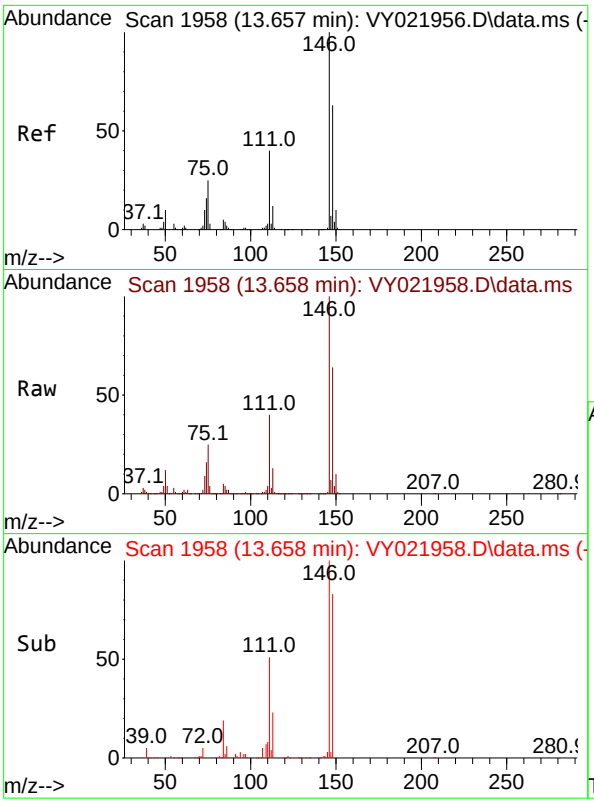


#90
Hexachloroethane
Concen: 150.683 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:117 Resp: 520392

Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.7	116.1

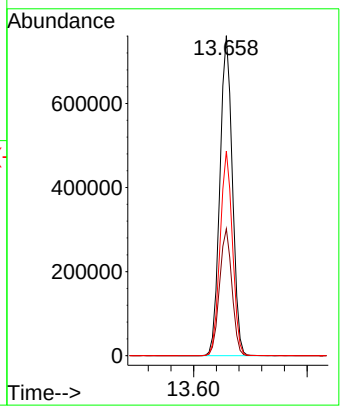




#91
1,2-Dichlorobenzene
Concen: 150.940 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:146 Resp: 115663

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	63.4	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
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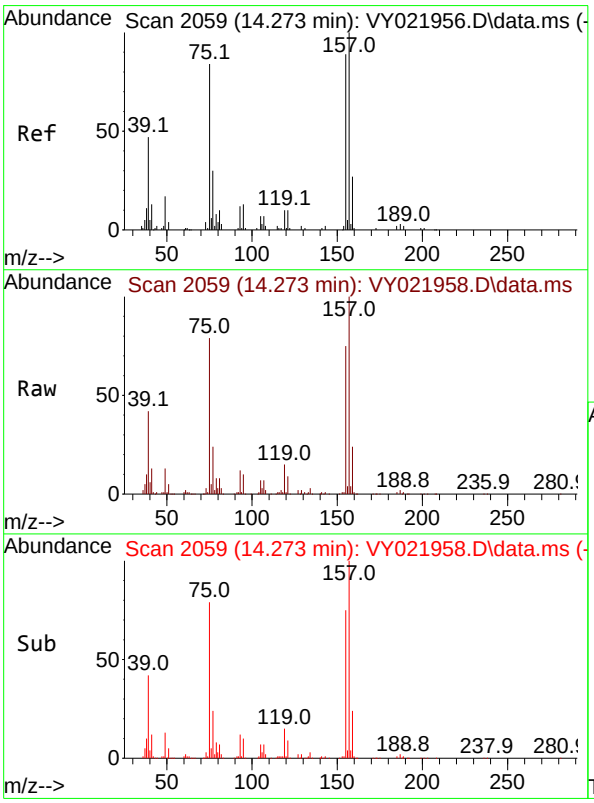
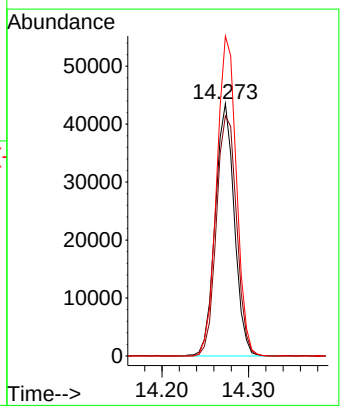
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

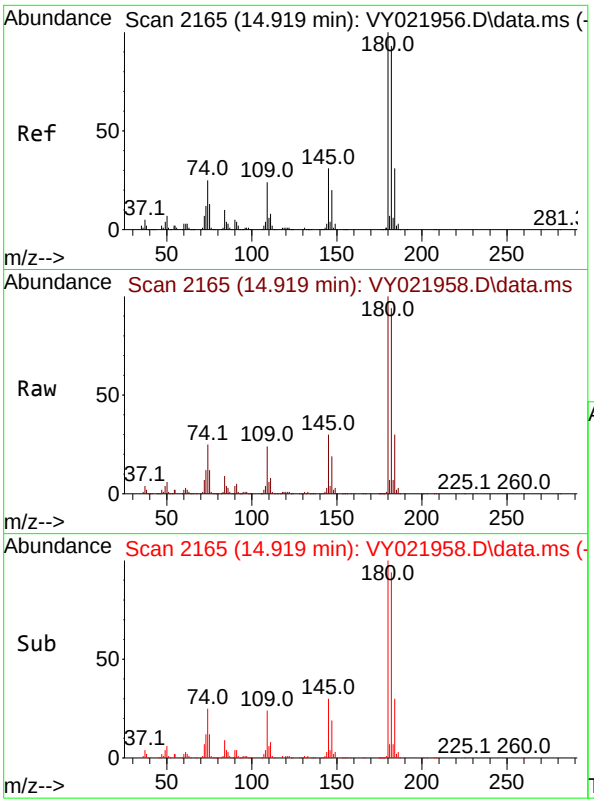


#92
1,2-Dibromo-3-Chloropropane
Concen: 145.323 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 66731

Ion	Ratio	Lower	Upper
75	100		
155	100.4	50.7	152.3
157	130.3	62.6	187.8

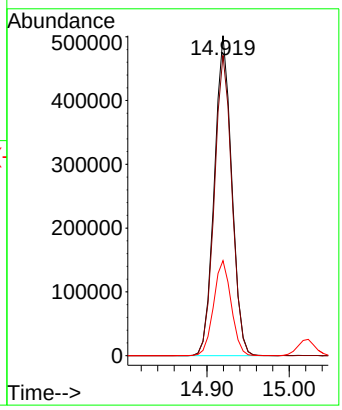




#93
1,2,4-Trichlorobenzene
Concen: 169.770 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:180 Resp: 73719

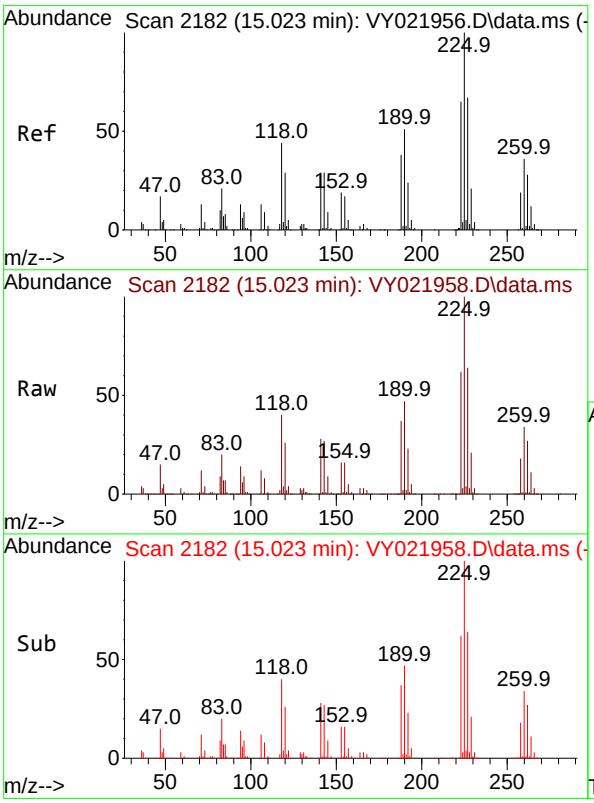
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.4
145	30.1	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

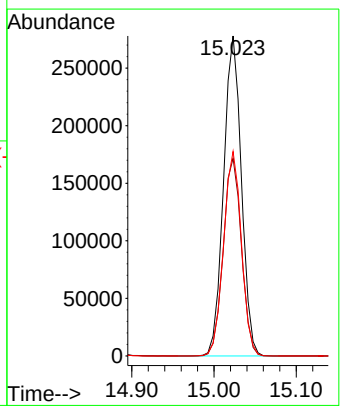
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

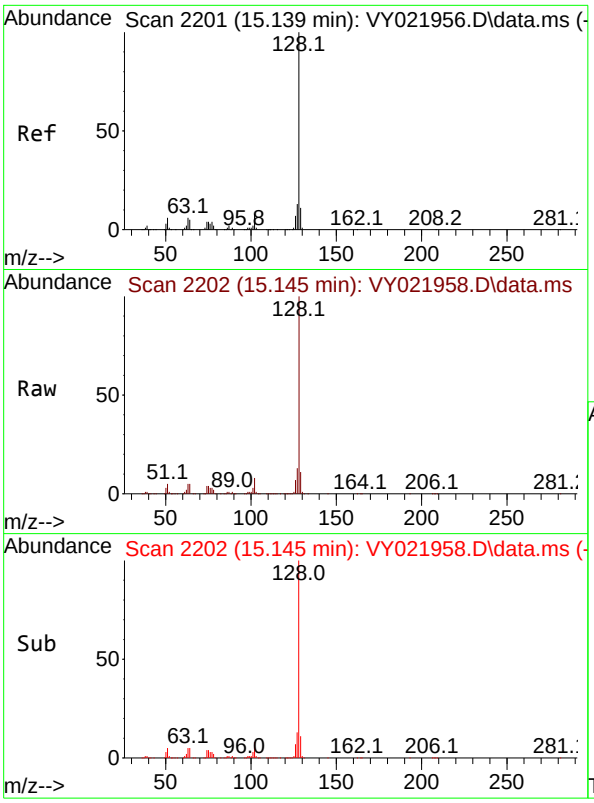


#94
Hexachlorobutadiene
Concen: 156.384 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:225 Resp: 417808

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	64.1	32.3	96.9

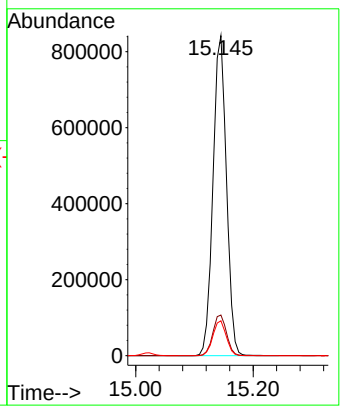




#95
Naphthalene
Concen: 185.231 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:128 Resp: 133614

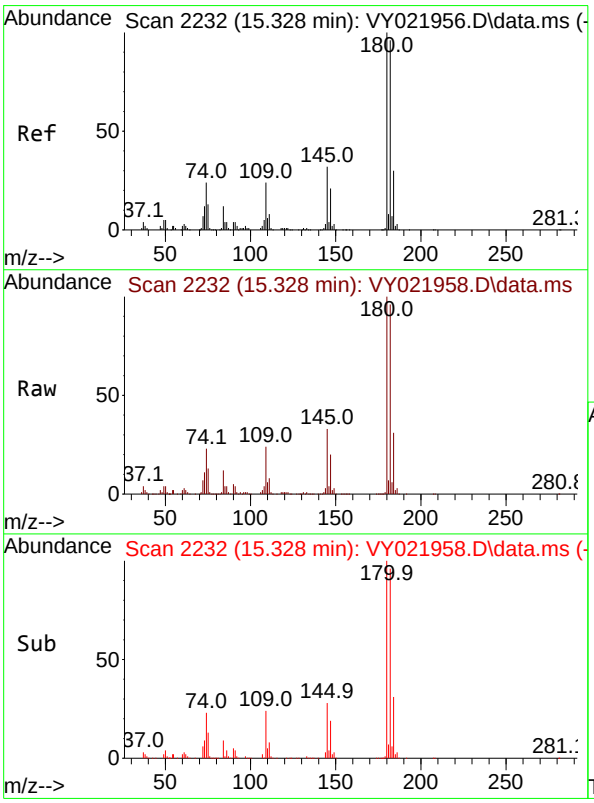
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

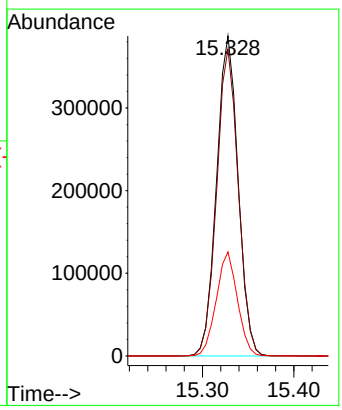
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 169.182 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:180 Resp: 634152

Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	31.9	16.0	48.0



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	332081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	512398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	467094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147920	48.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.440%			
35) Dibromofluoromethane	7.634	113	165837	48.989	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.980%			
50) Toluene-d8	10.103	98	644989	50.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.402	95	219958	51.198	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	131226	46.375	ug/l	99
3) Chloromethane	2.068	50	183085	45.440	ug/l	97
4) Vinyl Chloride	2.202	62	224944	45.432	ug/l	99
5) Bromomethane	2.592	94	176551	41.389	ug/l	98
6) Chloroethane	2.733	64	149594	44.363	ug/l	96
7) Trichlorofluoromethane	3.056	101	301166	46.128	ug/l	98
8) Diethyl Ether	3.452	74	78016	45.910	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	163507	46.166	ug/l	99
10) Methyl Iodide	4.001	142	185031	45.123	ug/l	99
11) Tert butyl alcohol	4.872	59	38184	226.751	ug/l	97
12) 1,1-Dichloroethene	3.787	96	159060	48.182	ug/l	98
13) Acrolein	3.653	56	68719	227.366	ug/l	99
14) Allyl chloride	4.379	41	182426	47.458	ug/l	99
15) Acrylonitrile	5.055	53	140962	226.587	ug/l	98
16) Acetone	3.873	43	93445	231.130	ug/l	90
17) Carbon Disulfide	4.104	76	494065	46.938	ug/l	99
18) Methyl Acetate	4.385	43	70072	48.904	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	353863	47.891	ug/l	99
20) Methylene Chloride	4.610	84	175109	45.147	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	175356	47.430	ug/l	95
22) Diisopropyl ether	6.019	45	412936	48.273	ug/l	99
23) Vinyl Acetate	5.958	43	1105629	239.824	ug/l	100
24) 1,1-Dichloroethane	5.915	63	275152	46.404	ug/l	99
25) 2-Butanone	6.890	43	153920	220.139	ug/l	97
26) 2,2-Dichloropropane	6.884	77	240796	46.334	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	197583	47.795	ug/l	99
28) Bromochloromethane	7.244	49	111601	48.457	ug/l	98
29) Tetrahydrofuran	7.262	42	104080	229.194	ug/l	95
30) Chloroform	7.421	83	306777	46.643	ug/l	98
31) Cyclohexane	7.701	56	236026	46.548	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	279709	47.007	ug/l	99
36) 1,1-Dichloropropene	7.835	75	217873	47.914	ug/l	98
37) Ethyl Acetate	6.982	43	75275	46.092	ug/l	98
38) Carbon Tetrachloride	7.817	117	258803	47.630	ug/l	98
39) Methylcyclohexane	9.110	83	283178	49.486	ug/l	98
40) Benzene	8.079	78	677917	47.692	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	38694	43.342	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	163549	46.472	ug/l		99
43) Isopropyl Acetate	8.195	43	145980	46.545	ug/l		98
44) Trichloroethene	8.860	130	185153	47.027	ug/l		99
45) 1,2-Dichloropropane	9.140	63	148767	47.326	ug/l		97
46) Dibromomethane	9.231	93	91655	46.578	ug/l		99
47) Bromodichloromethane	9.420	83	235736	47.955	ug/l		97
48) Methyl methacrylate	9.219	41	71174	49.090	ug/l		98
49) 1,4-Dioxane	9.225	88	19954	951.409	ug/l		90
51) 4-Methyl-2-Pentanone	9.993	43	391245	237.972	ug/l		100
52) Toluene	10.170	92	448774	48.774	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	201939	47.893	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	241197	48.122	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	124598	47.403	ug/l		97
56) Ethyl methacrylate	10.439	69	150855	50.188	ug/l		99
57) 1,3-Dichloropropane	10.713	76	198147	47.024	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	373183	253.928	ug/l		99
59) 2-Hexanone	10.756	43	258458	238.340	ug/l		100
60) Dibromochloromethane	10.908	129	170608	46.882	ug/l		97
61) 1,2-Dibromoethane	11.012	107	117095	47.188	ug/l		99
64) Tetrachloroethene	10.646	164	205118	46.550	ug/l		96
65) Chlorobenzene	11.438	112	498605	47.734	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.512	131	177647	48.308	ug/l		99
67) Ethyl Benzene	11.518	91	856779	50.142	ug/l		100
68) m/p-Xylenes	11.627	106	687961	101.181	ug/l		99
69) o-Xylene	11.950	106	319291	50.949	ug/l		99
70) Styrene	11.969	104	542034	51.513	ug/l		100
71) Bromoform	12.127	173	102241	47.821	ug/l	#	100
73) Isopropylbenzene	12.249	105	833210	49.765	ug/l		99
74) N-amyl acetate	12.066	43	133081	46.264	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	130070	46.078	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	92664m	43.169	ug/l		
77) Bromobenzene	12.530	156	201978	47.741	ug/l		99
78) n-propylbenzene	12.591	91	995089	49.907	ug/l		100
79) 2-Chlorotoluene	12.676	91	560663	48.351	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	691575	50.131	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	39491	44.304	ug/l		98
82) 4-Chlorotoluene	12.773	91	583487	48.406	ug/l		100
83) tert-Butylbenzene	12.993	119	637155	51.499	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	693849	50.285	ug/l		100
85) sec-Butylbenzene	13.170	105	912398	50.397	ug/l		99
86) p-Isopropyltoluene	13.292	119	781445	50.831	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	408394	47.528	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	401694	47.202	ug/l		99
89) n-Butylbenzene	13.615	91	689937	50.209	ug/l		99
90) Hexachloroethane	13.877	117	160136	47.410	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	354764	47.337	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19379	43.151	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	207298	48.811	ug/l		99
94) Hexachlorobutadiene	15.023	225	126404	48.376	ug/l		98
95) Naphthalene	15.145	128	345515	48.975	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	175651	47.914	ug/l		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

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\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
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Instrument :
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ClientSampleId :
ICVVY042225

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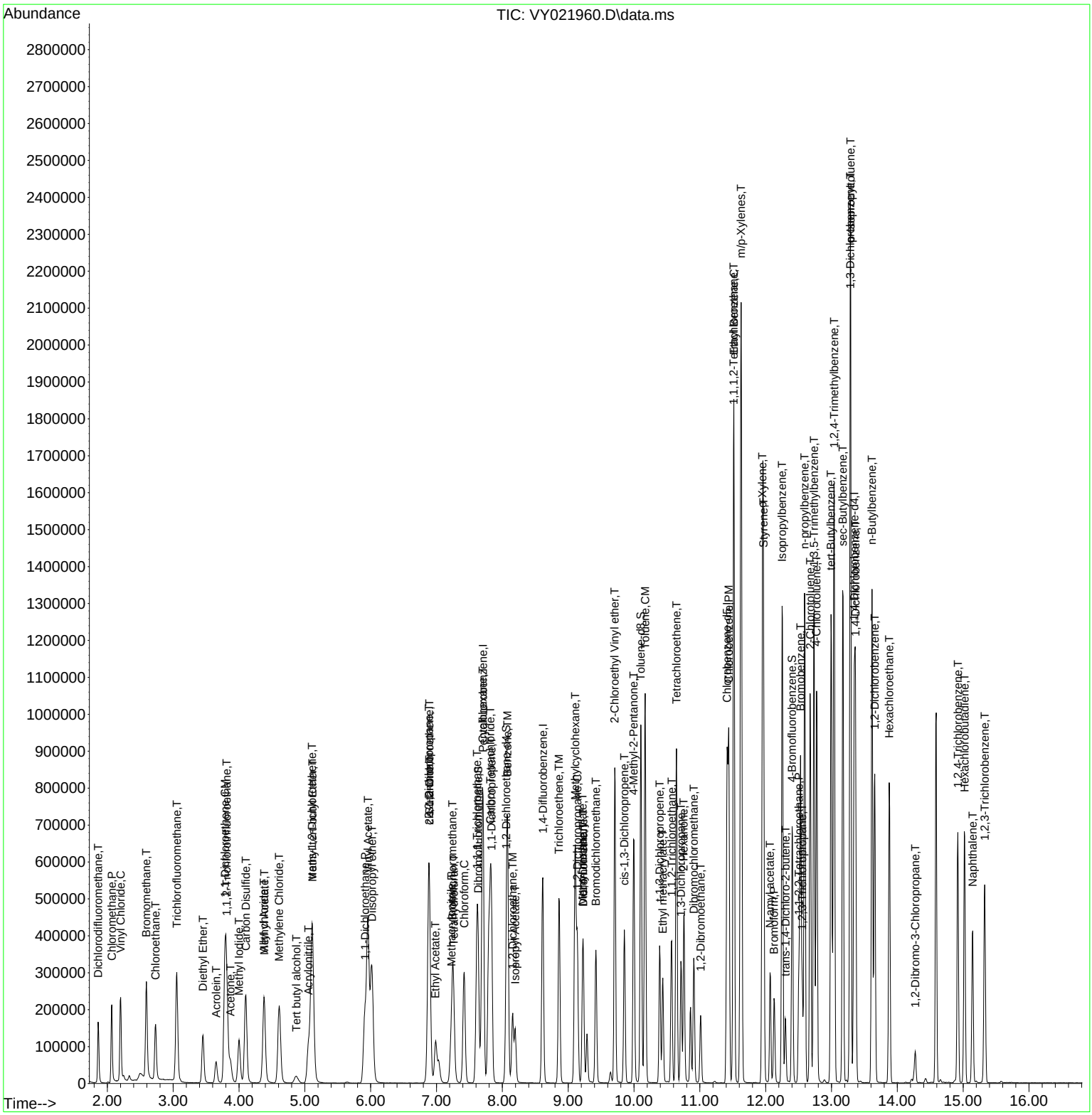
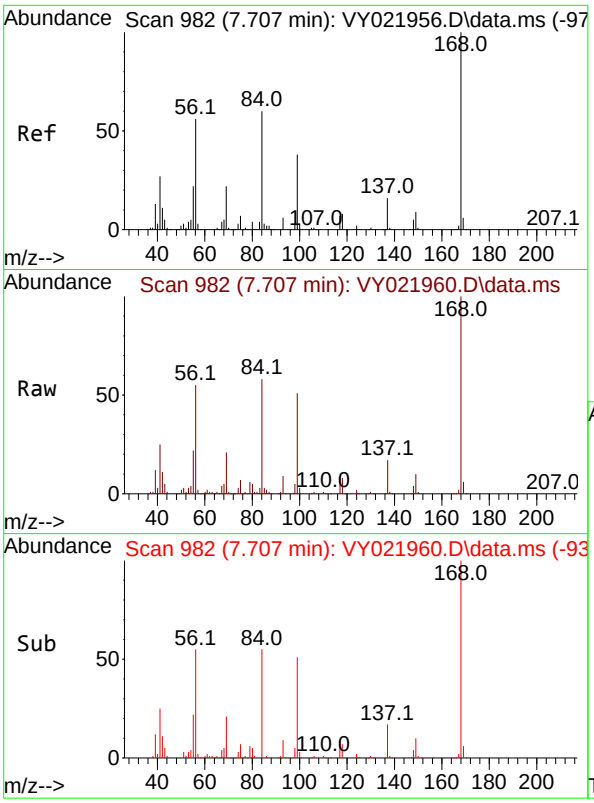
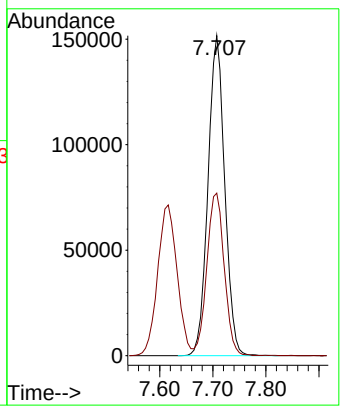




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:168 Resp: 33208

Ion	Ratio	Lower	Upper
168	100		
99	50.7	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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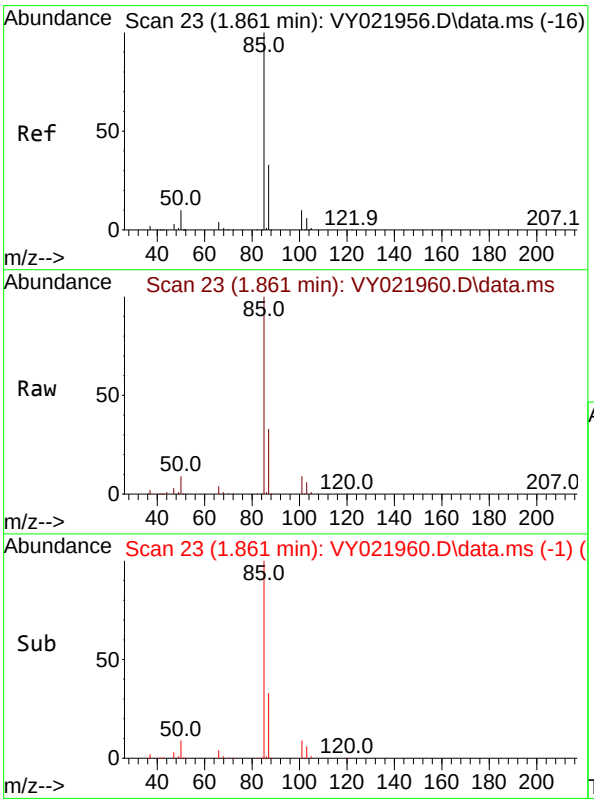
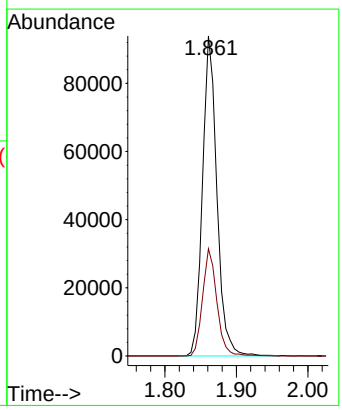
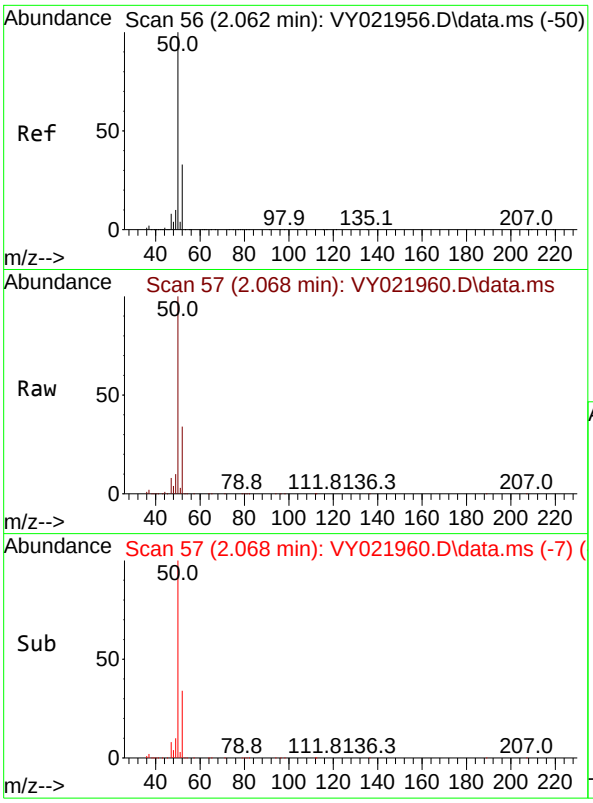


#2
Dichlorodifluoromethane
Concen: 46.375 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 85 Resp: 131226

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.7

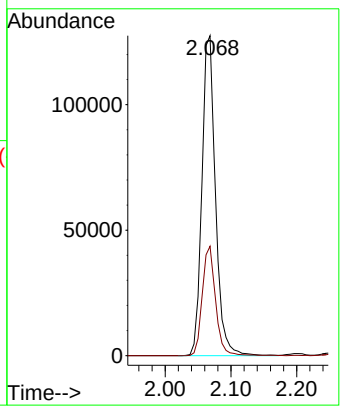




#3
Chloromethane
Concen: 45.440 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 50 Resp: 18308

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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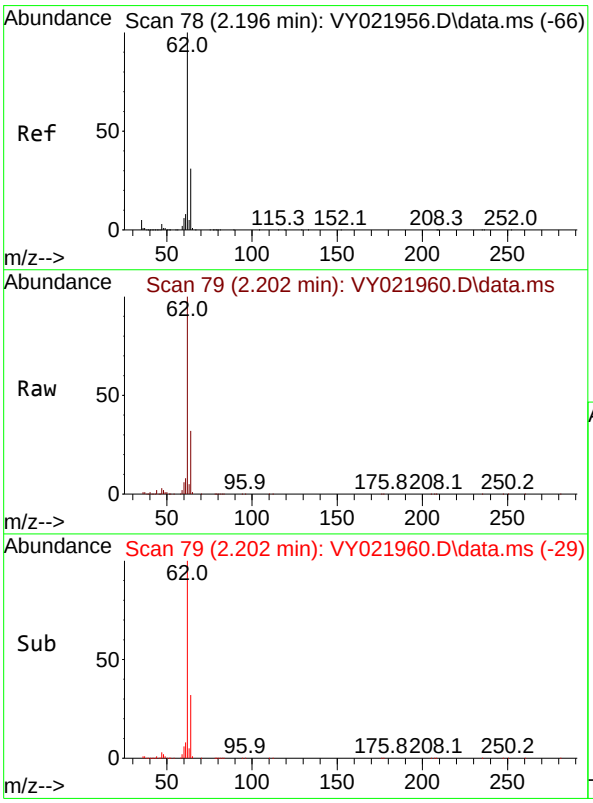
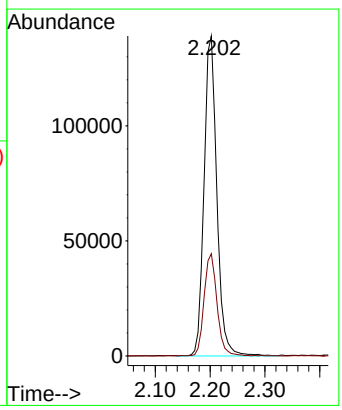
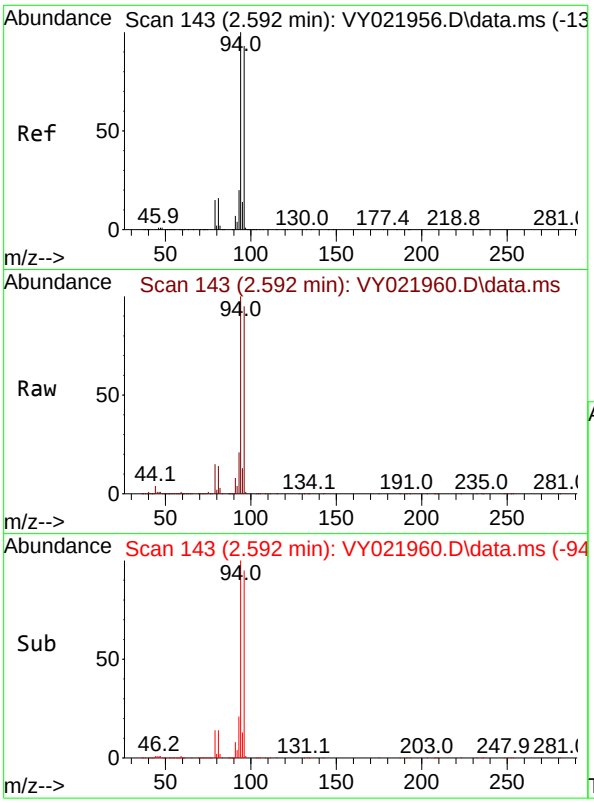


#4
Vinyl Chloride
Concen: 45.432 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 62 Resp: 224944

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.1	37.7





#5
Bromomethane
Concen: 41.389 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 94 Resp: 17655

Ion	Ratio	Lower	Upper
94	100		
96	94.9	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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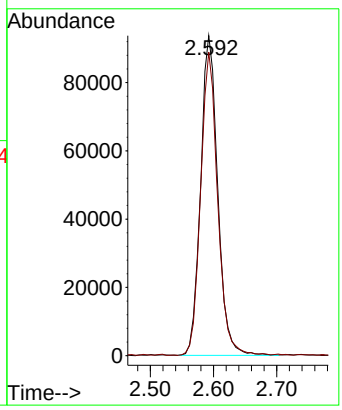
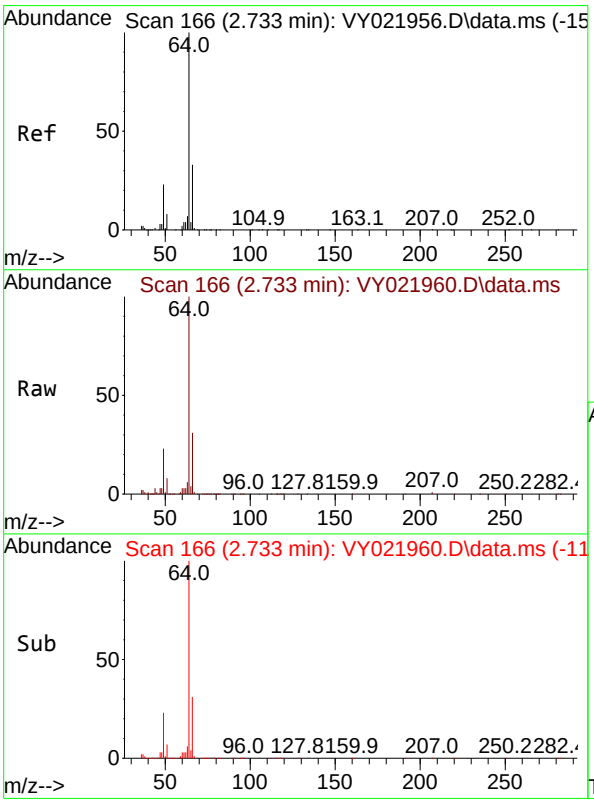
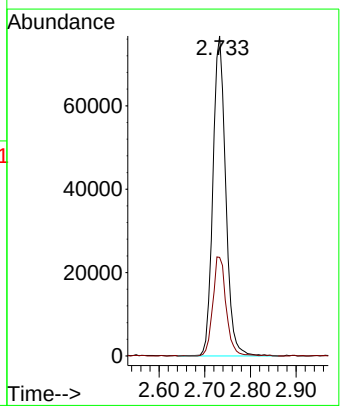


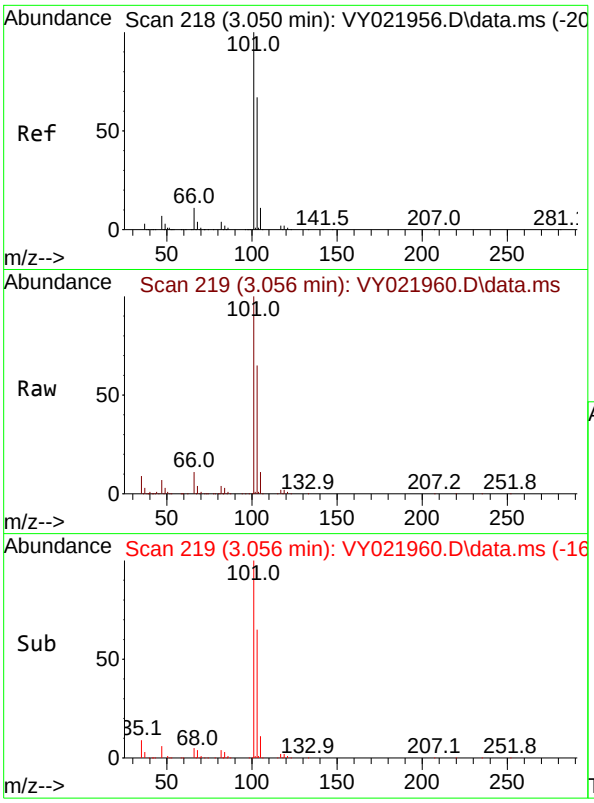


#6
Chloroethane
Concen: 44.363 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 64 Resp: 149594

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.2	39.4

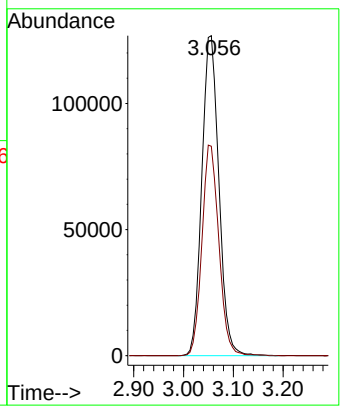




#7
Trichlorofluoromethane
Concen: 46.128 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:101 Resp: 30116

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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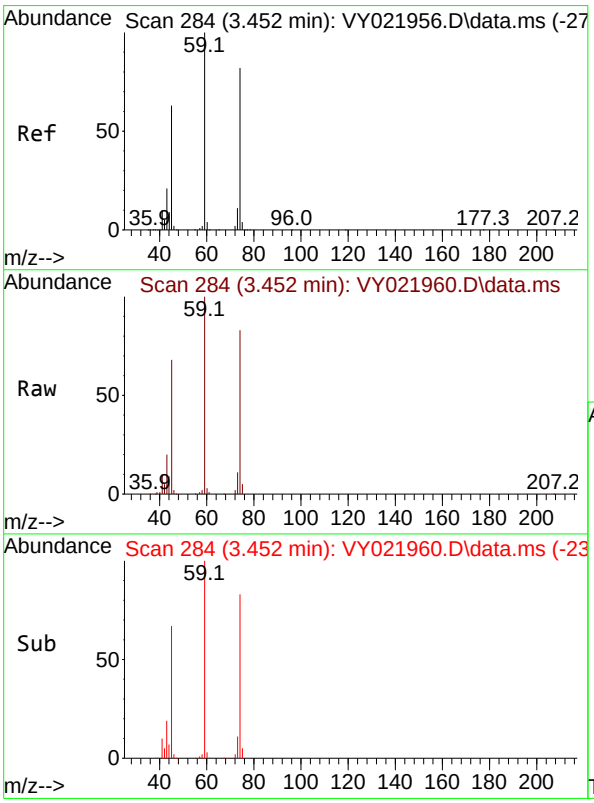
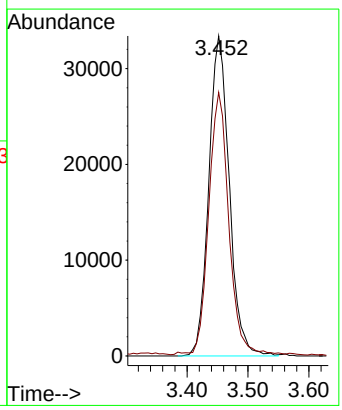
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

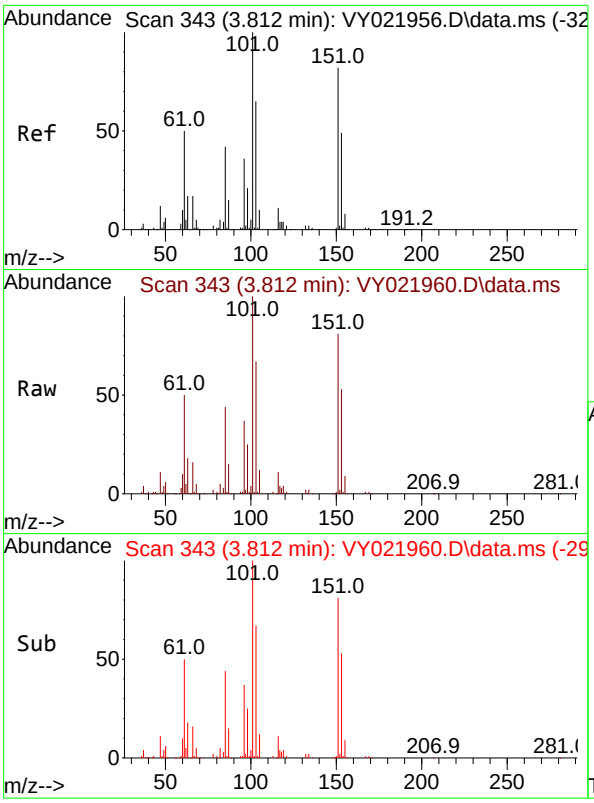


#8
Diethyl Ether
Concen: 45.910 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 74 Resp: 78016

Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.1	117.5

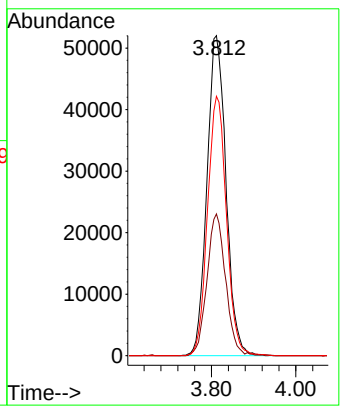




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.166 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:101 Resp: 16350

Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.6	51.8
151	80.5	63.7	95.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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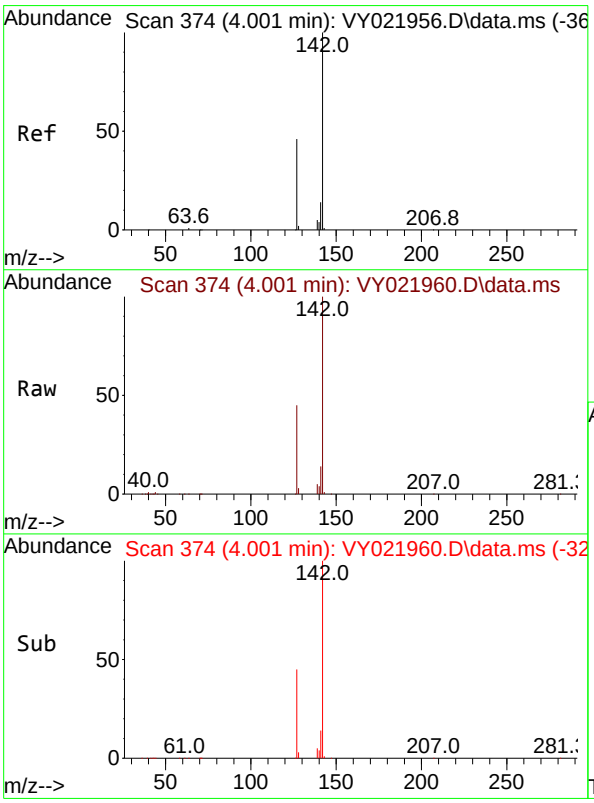
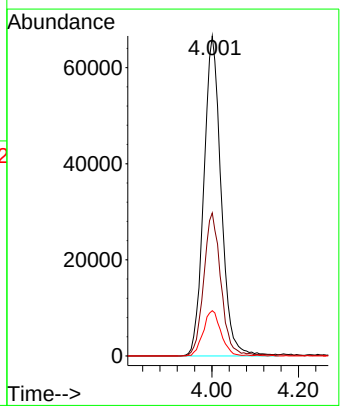
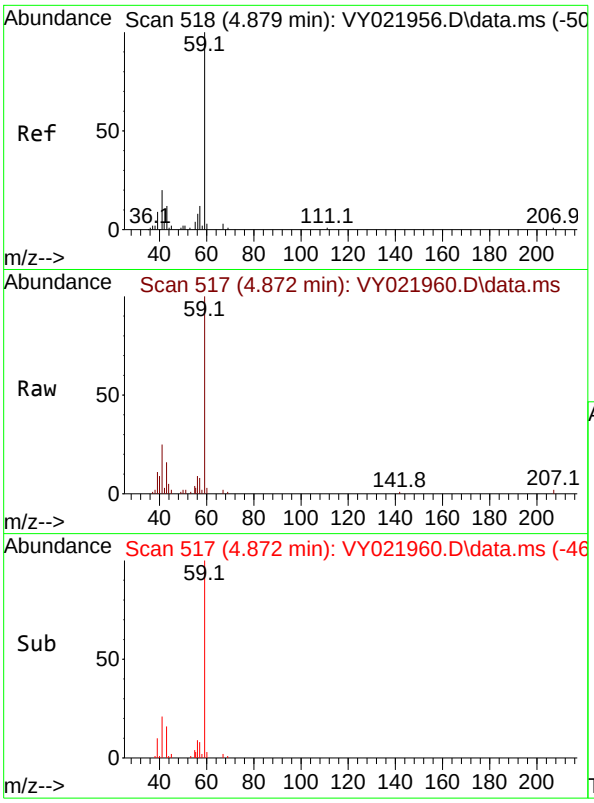


#10
Methyl Iodide
Concen: 45.123 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:142 Resp: 185031

Ion	Ratio	Lower	Upper
142	100		
127	44.4	36.2	54.2
141	14.5	11.7	17.5

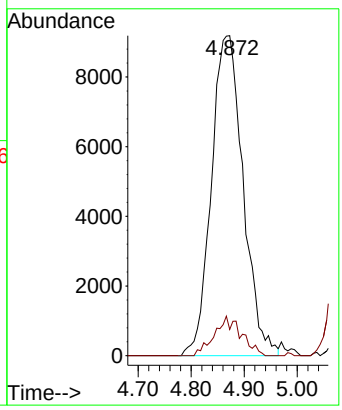




#11
Tert butyl alcohol
Concen: 226.751 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 59 Resp: 3818

Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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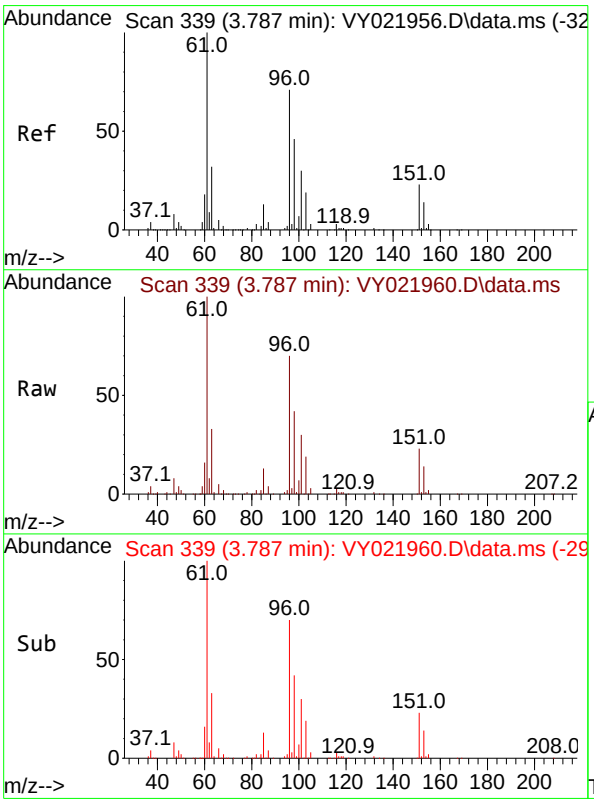
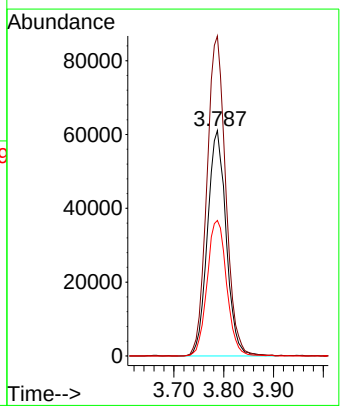
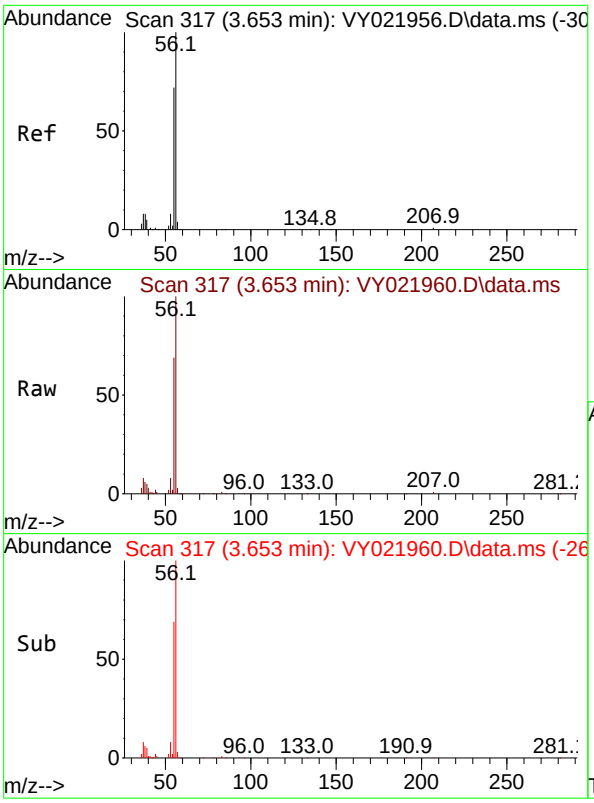


#12
1,1-Dichloroethene
Concen: 48.182 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 96 Resp: 159060

Ion	Ratio	Lower	Upper
96	100		
61	141.9	113.0	169.4
98	60.1	51.4	77.2

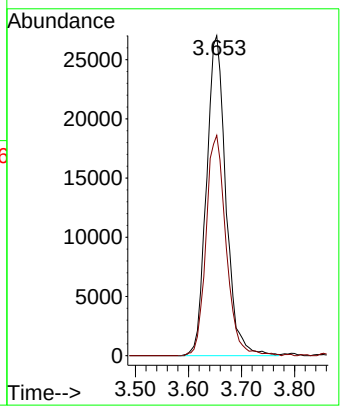




#13
Acrolein
Concen: 227.366 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 56 Resp: 6871

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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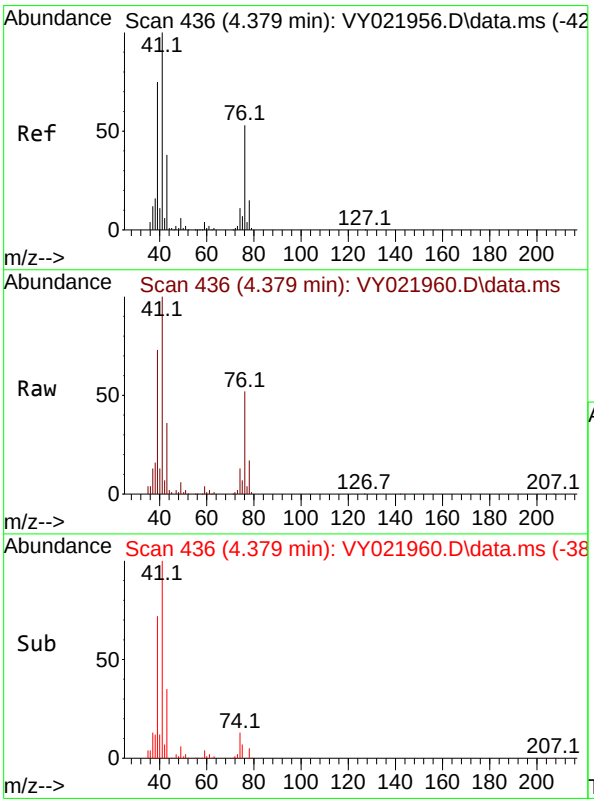
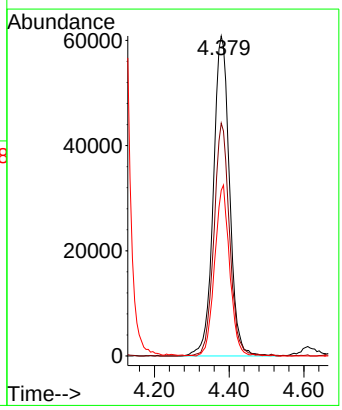
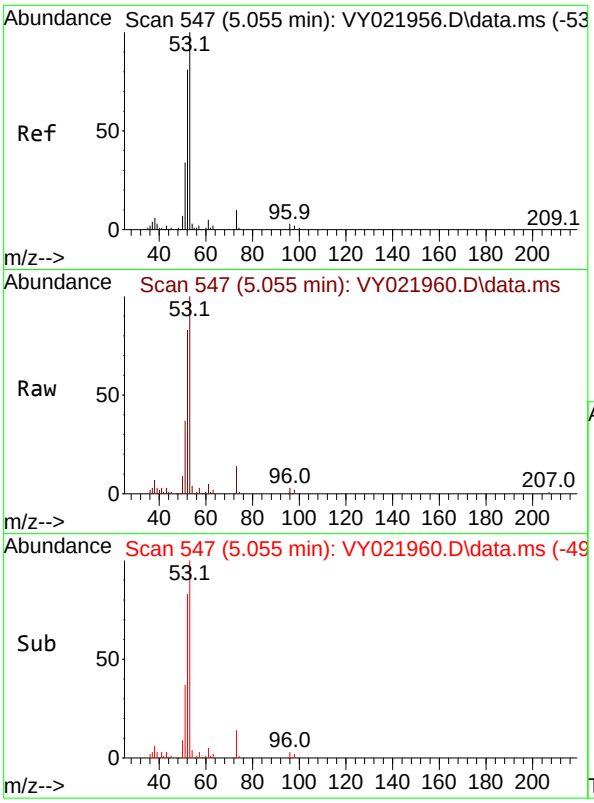


#14
Allyl chloride
Concen: 47.458 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 41 Resp: 182426

Ion	Ratio	Lower	Upper
41	100		
39	70.4	57.2	85.8
76	49.8	39.7	59.5





#15
Acrylonitrile
Concen: 226.587 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 53 Resp: 14096

Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.0	97.6
51	37.0	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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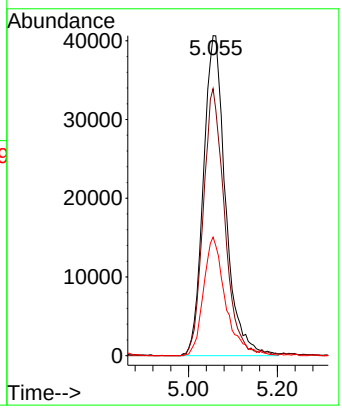
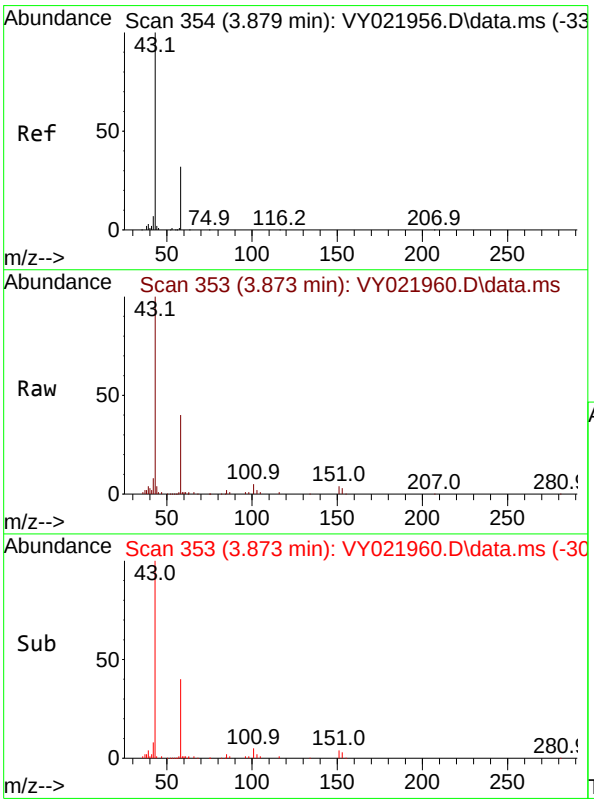
Supervised By :Mahesh Dadoda 04/23/2025

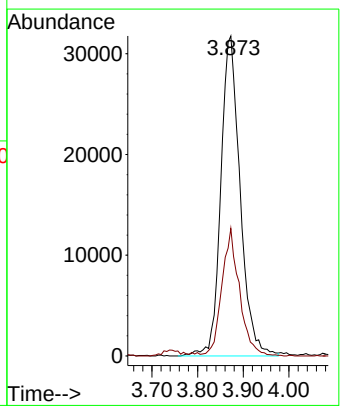


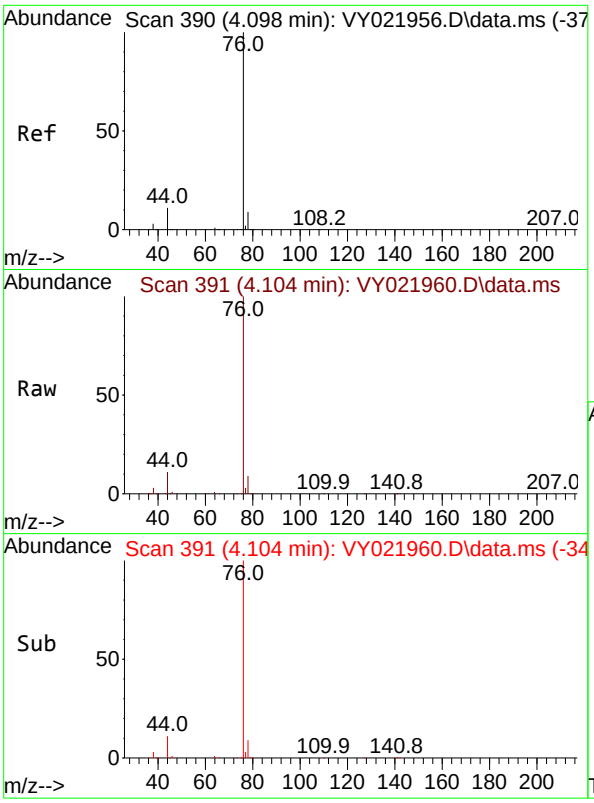


#16
Acetone
Concen: 231.130 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 93445

Ion	Ratio	Lower	Upper
43	100		
58	39.7	27.0	40.4





#17
Carbon Disulfide
Concen: 46.938 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 76 Resp: 49406

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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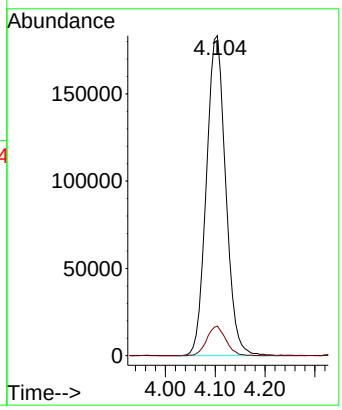
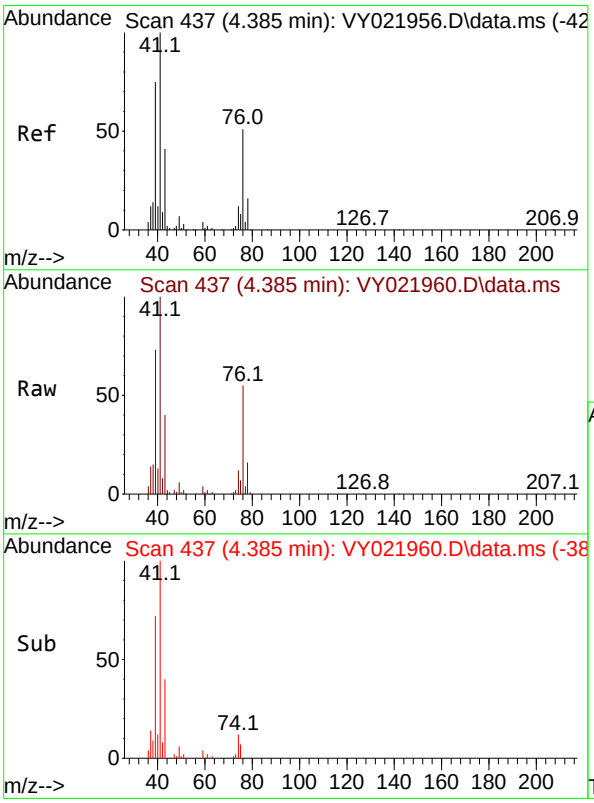
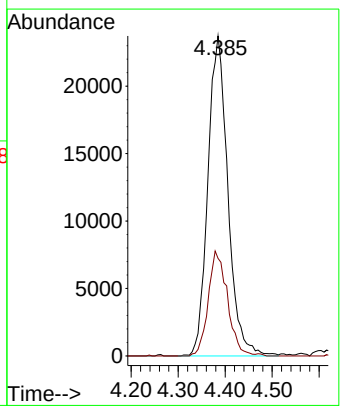


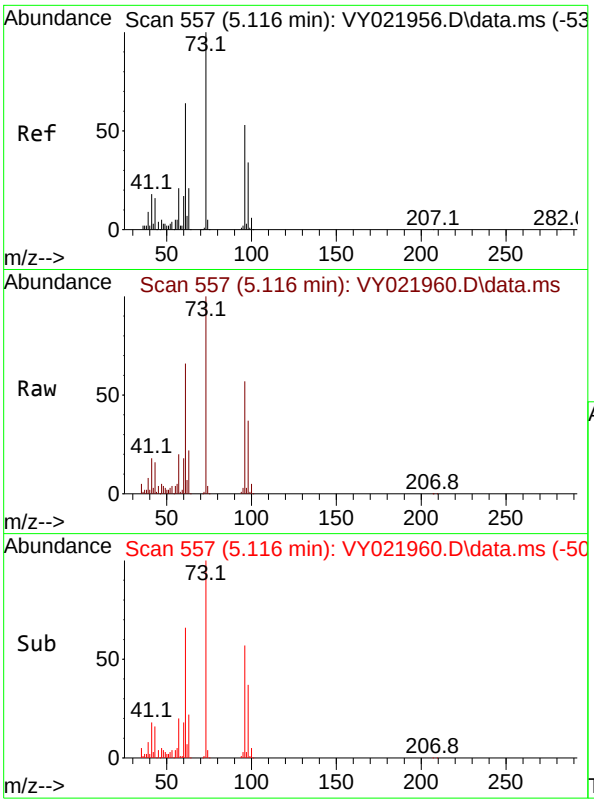


#18
Methyl Acetate
Concen: 48.904 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 70072

Ion	Ratio	Lower	Upper
43	100		
74	31.5	24.2	36.4

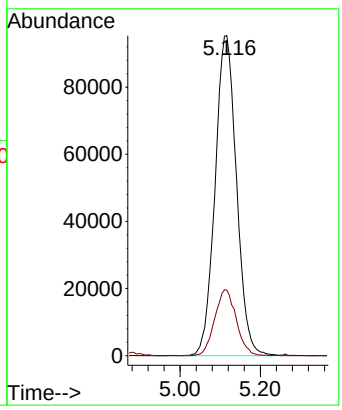




#19
Methyl tert-butyl Ether
Concen: 47.891 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 73 Resp: 35386

Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
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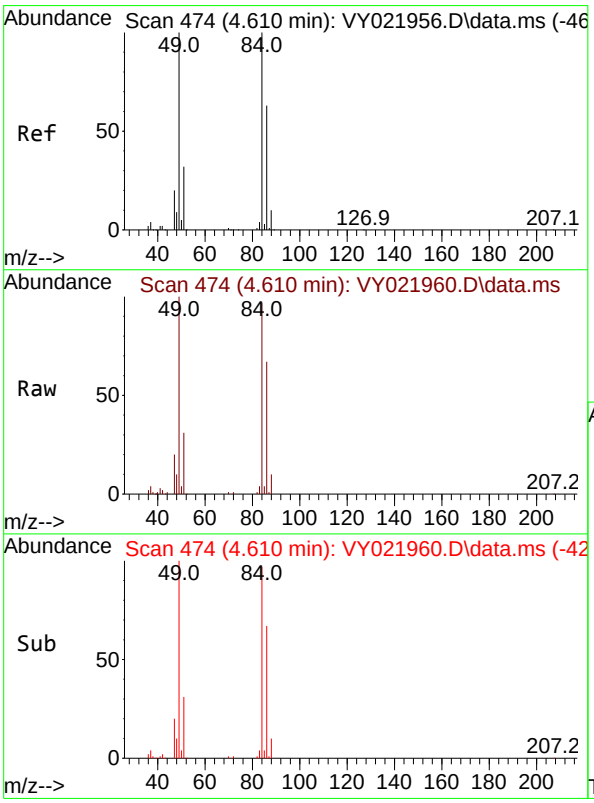
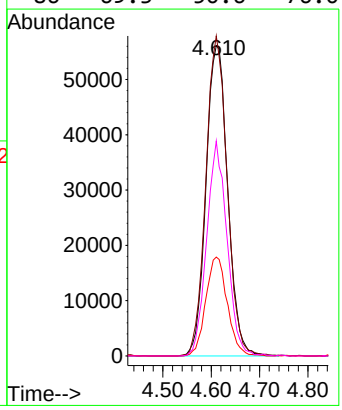
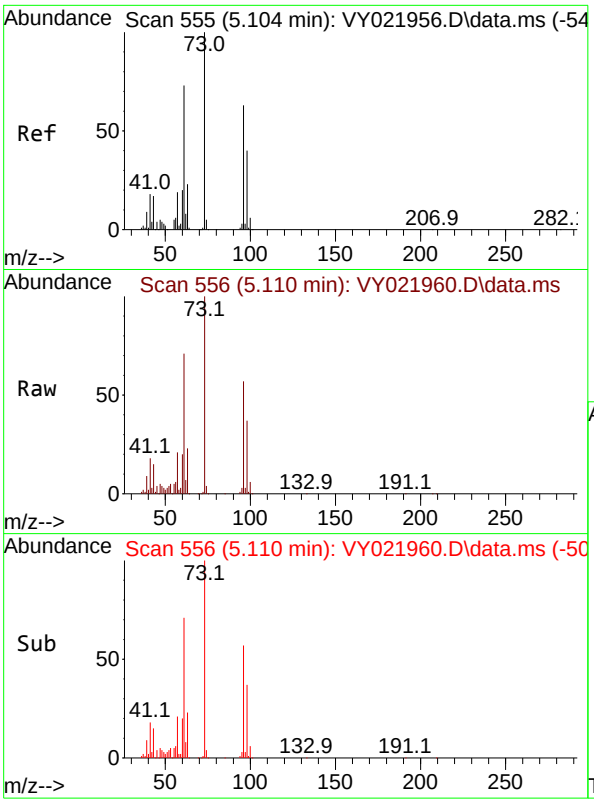


#20
Methylene Chloride
Concen: 45.147 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 84 Resp: 175109

Ion	Ratio	Lower	Upper
84	100		
49	103.2	79.9	119.9
51	31.9	25.4	38.0
86	69.3	50.6	76.0

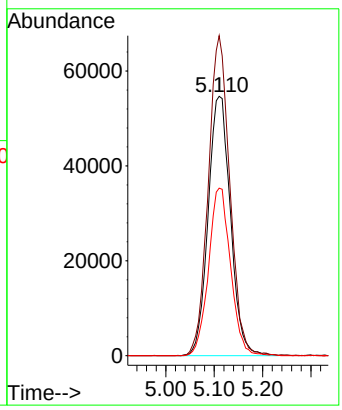




#21
trans-1,2-Dichloroethene
Concen: 47.430 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 96 Resp: 17535

Ion	Ratio	Lower	Upper
96	100		
61	123.3	92.6	138.8
98	64.6	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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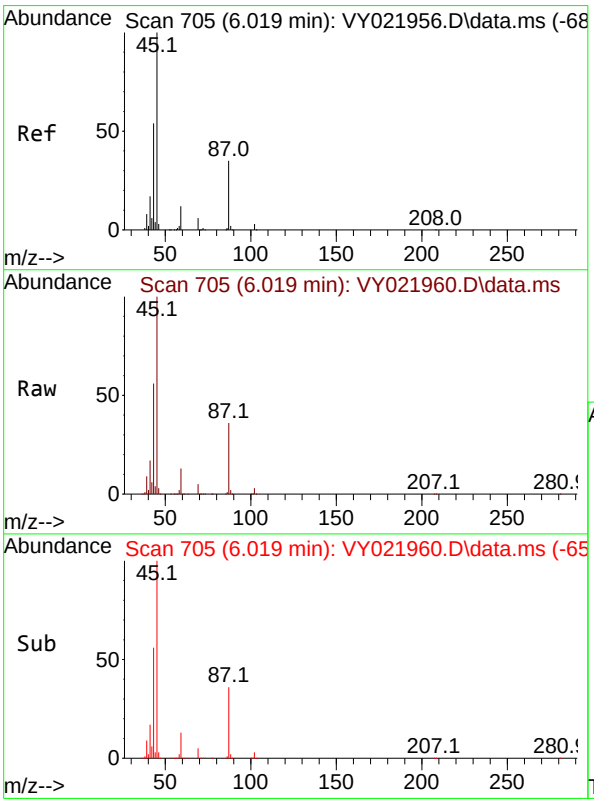
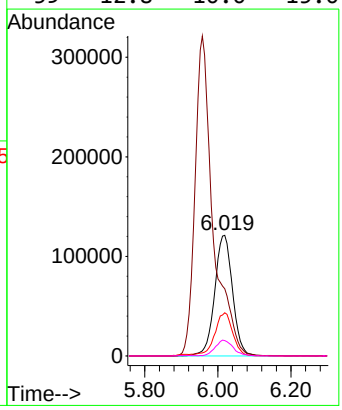
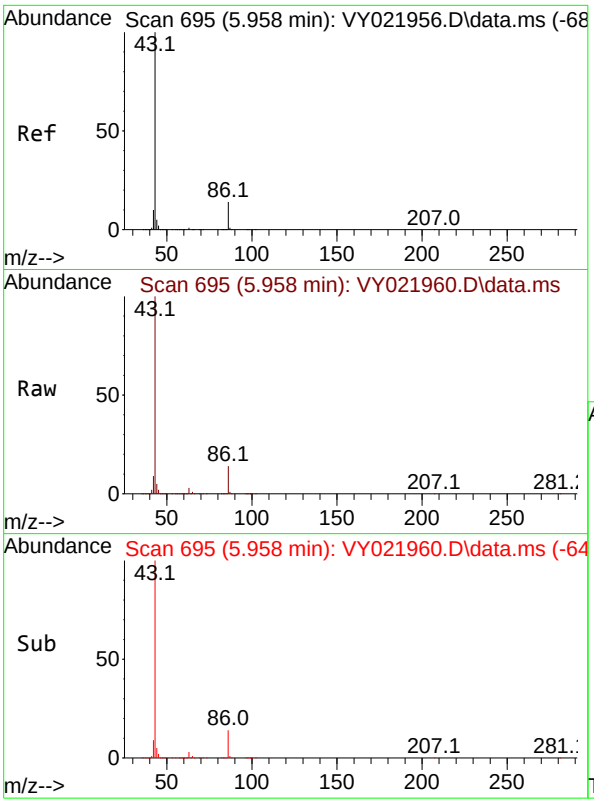


#22
Diisopropyl ether
Concen: 48.273 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 45 Resp: 412936

Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.6	65.4
87	35.9	28.2	42.4
59	12.8	10.0	15.0

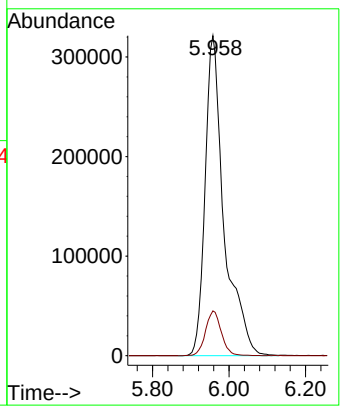




#23
Vinyl Acetate
Concen: 239.824 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 110562

Ion	Ratio	Lower	Upper
43	100		
86	14.0	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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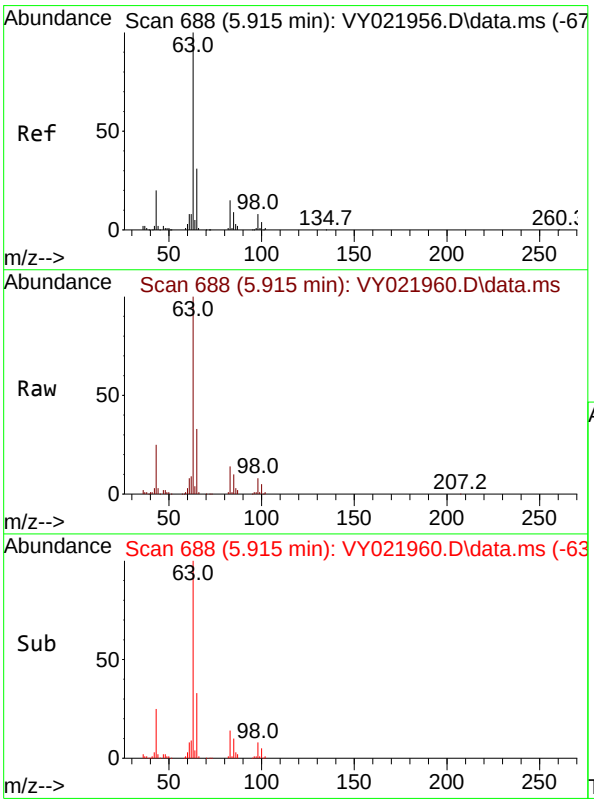
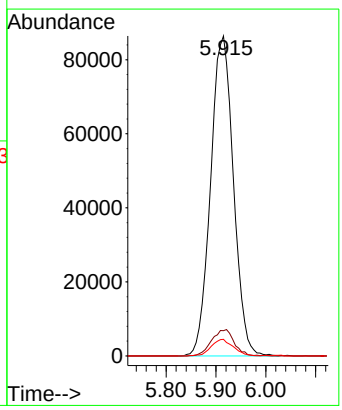
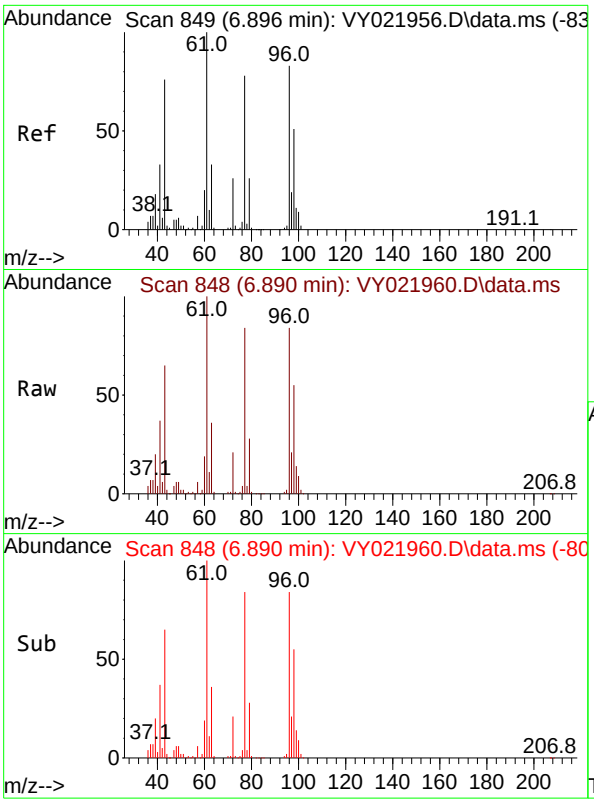


#24
1,1-Dichloroethane
Concen: 46.404 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 63 Resp: 275152

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	11.9
100	5.2	2.0	6.0





#25
2-Butanone
Concen: 220.139 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 15392

Ion	Ratio	Lower	Upper
43	100		
72	31.9	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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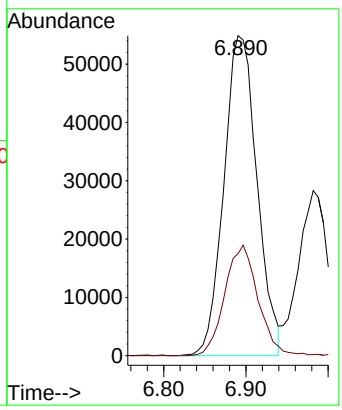
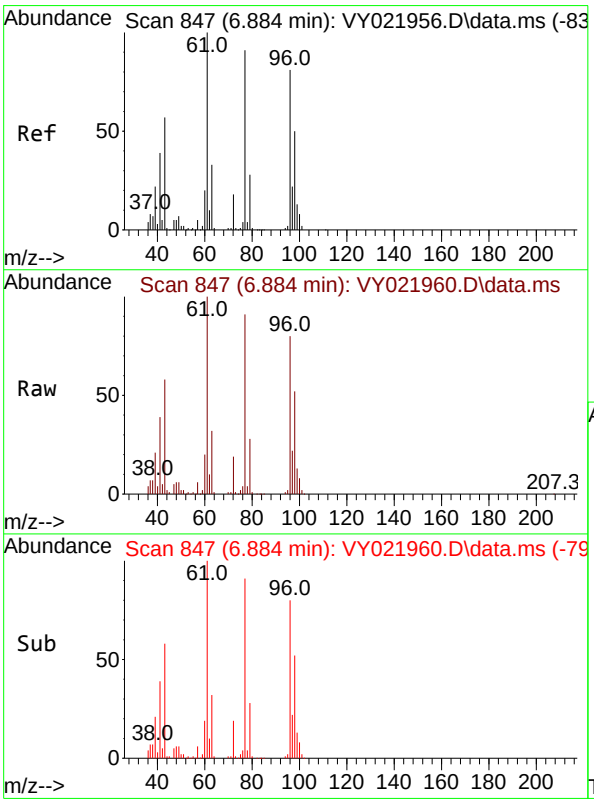
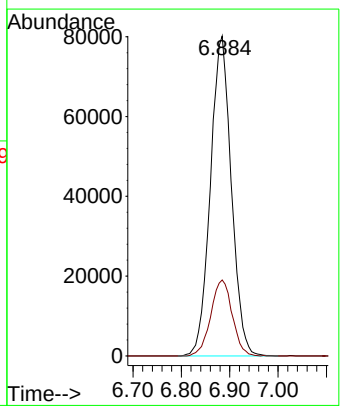


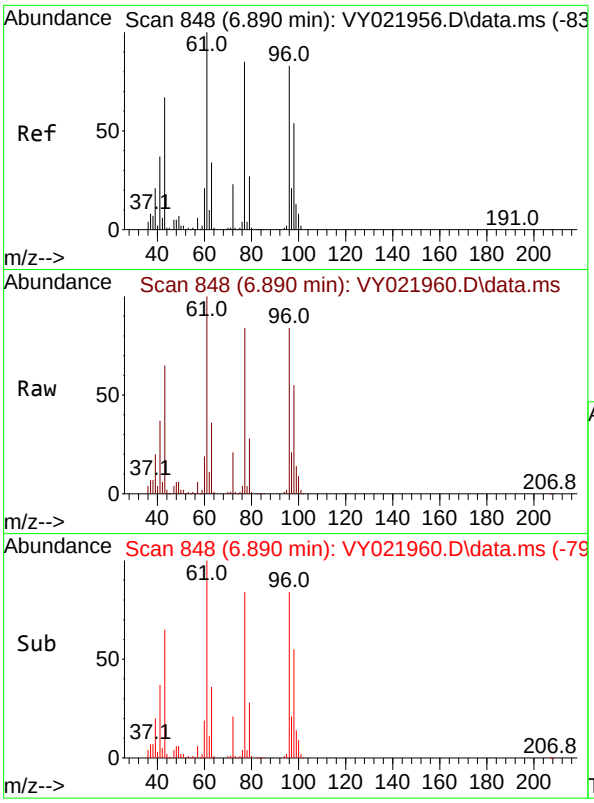


#26
2,2-Dichloropropane
Concen: 46.334 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 77 Resp: 240796

Ion	Ratio	Lower	Upper
77	100		
97	24.3	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 47.795 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 96 Resp: 19758

Ion	Ratio	Lower	Upper
96	100		
61	126.0	0.0	251.4
98	65.8	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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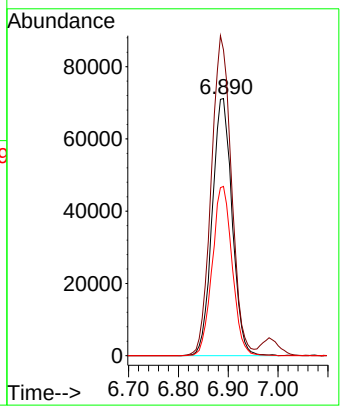
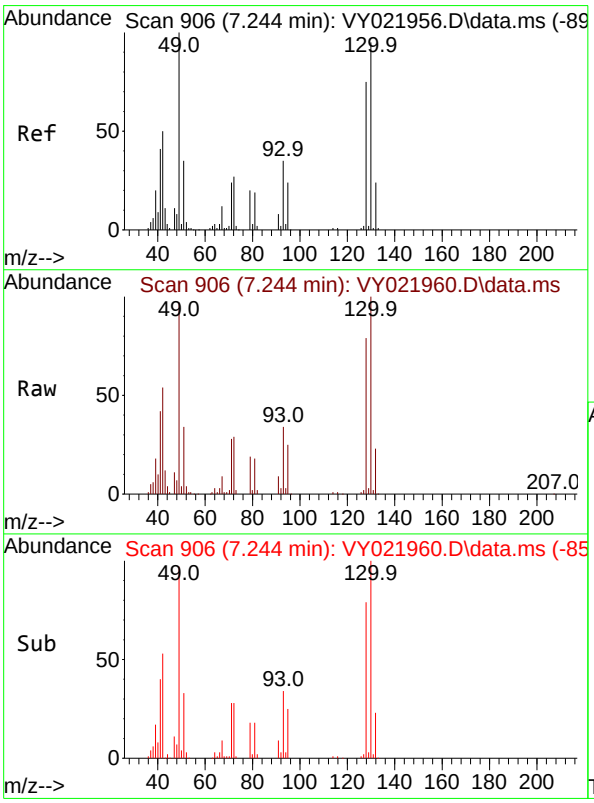
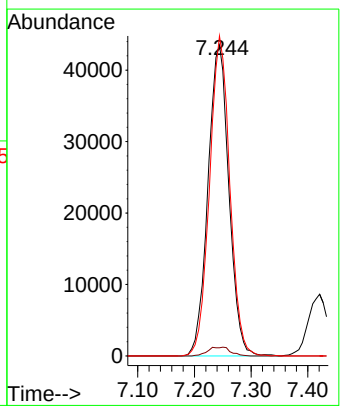


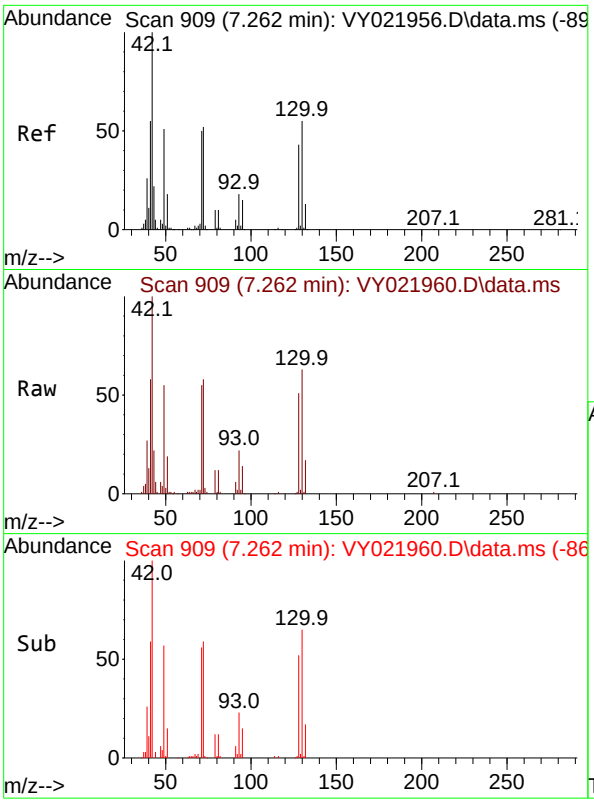


#28
Bromochloromethane
Concen: 48.457 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 49 Resp: 111601

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.0
130	99.6	78.2	117.4

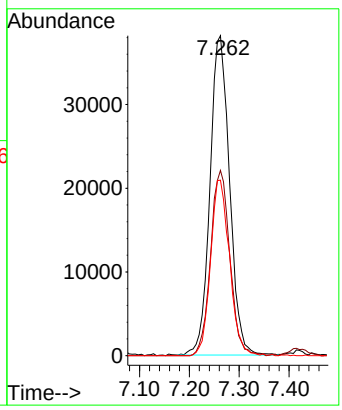




#29
Tetrahydrofuran
Concen: 229.194 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 42 Resp: 10408

Ion	Ratio	Lower	Upper
42	100		
72	57.2	42.6	63.8
71	53.3	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
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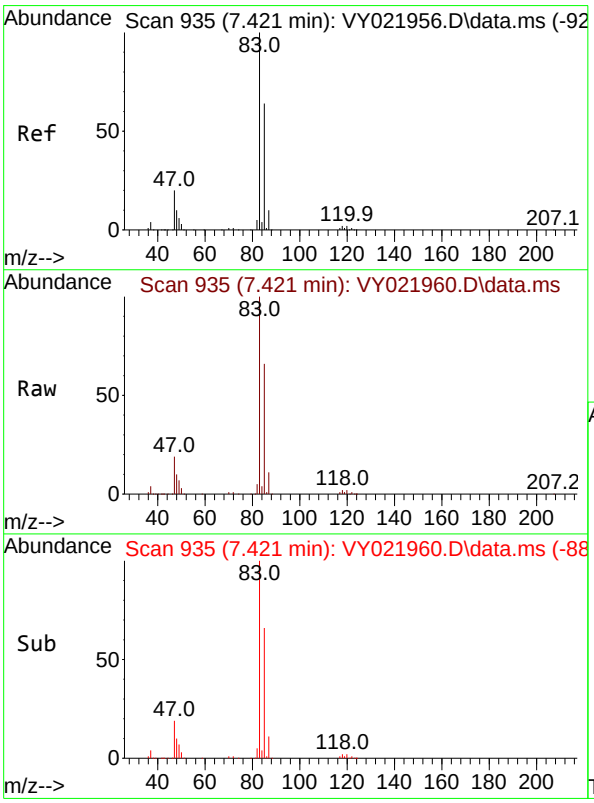
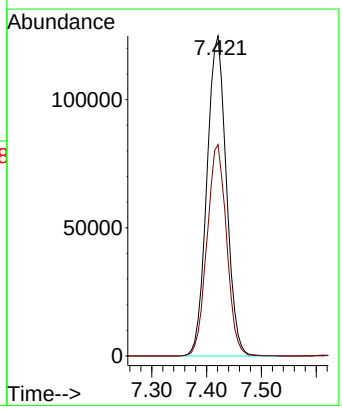
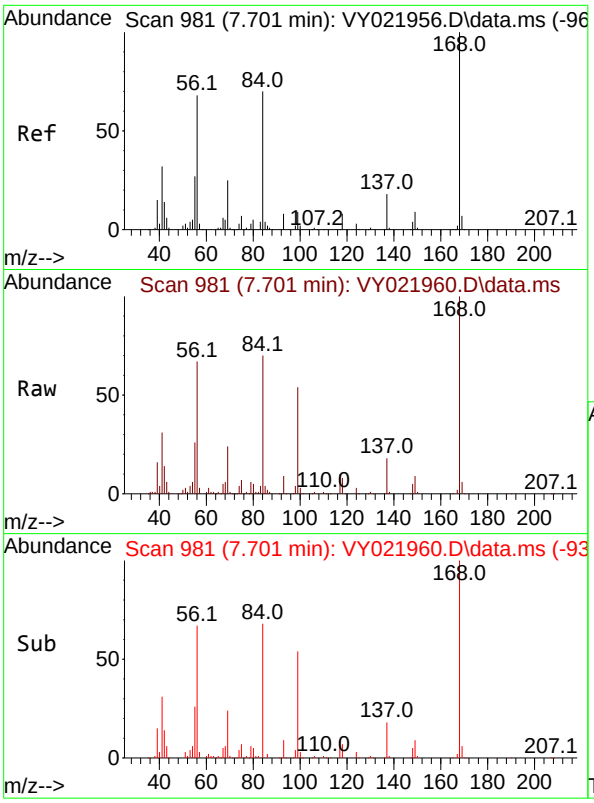


#30
Chloroform
Concen: 46.643 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 83 Resp: 306777

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9





#31
Cyclohexane
Concen: 46.548 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 56 Resp: 23602

Ion	Ratio	Lower	Upper
56	100		
69	36.1	29.4	44.2
84	102.8	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
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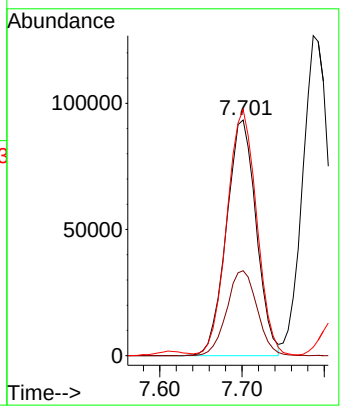
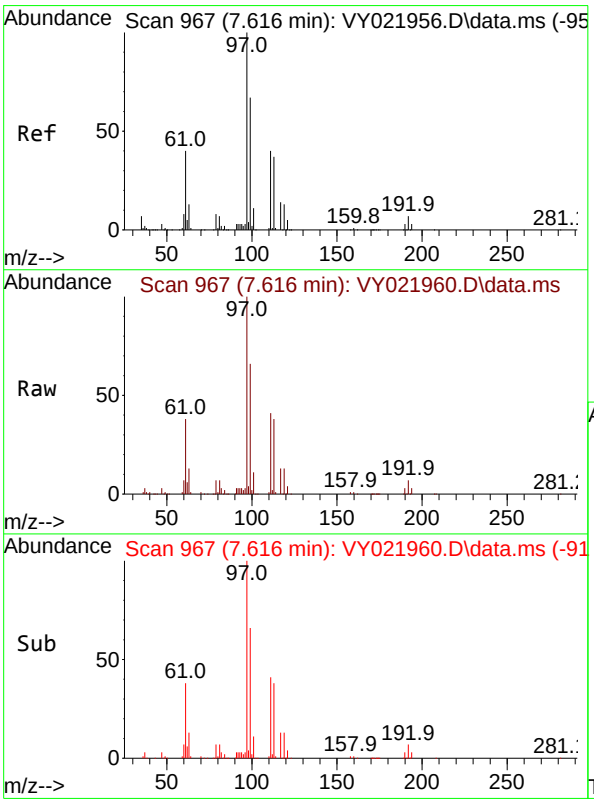
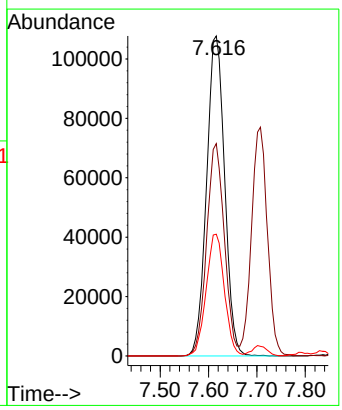


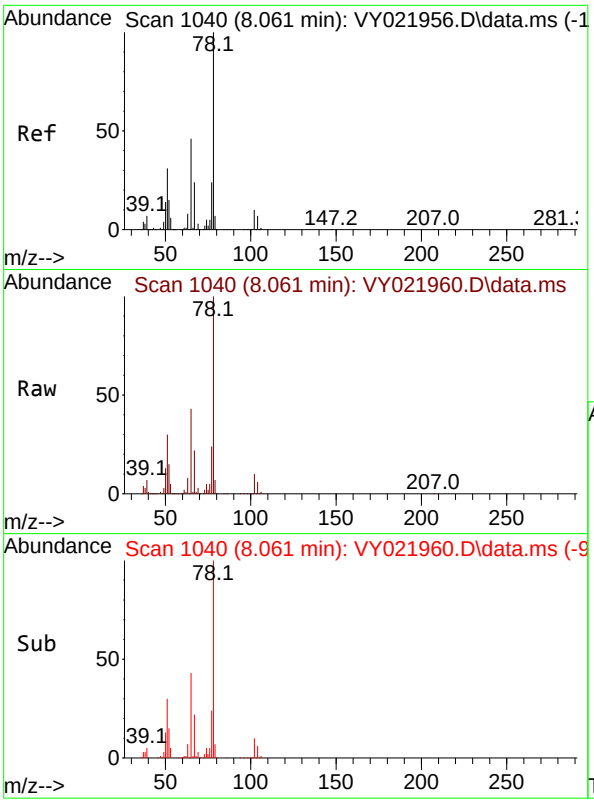


#32
1,1,1-Trichloroethane
Concen: 47.007 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 97 Resp: 279709

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.2
61	38.5	31.4	47.2

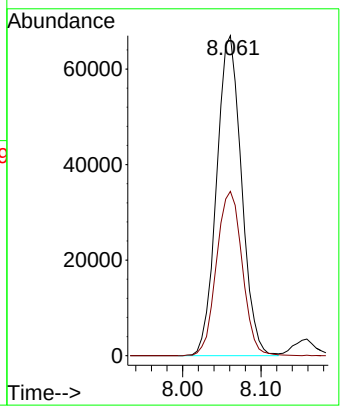




#33
1,2-Dichloroethane-d4
Concen: 48.224 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 65 Resp: 14792

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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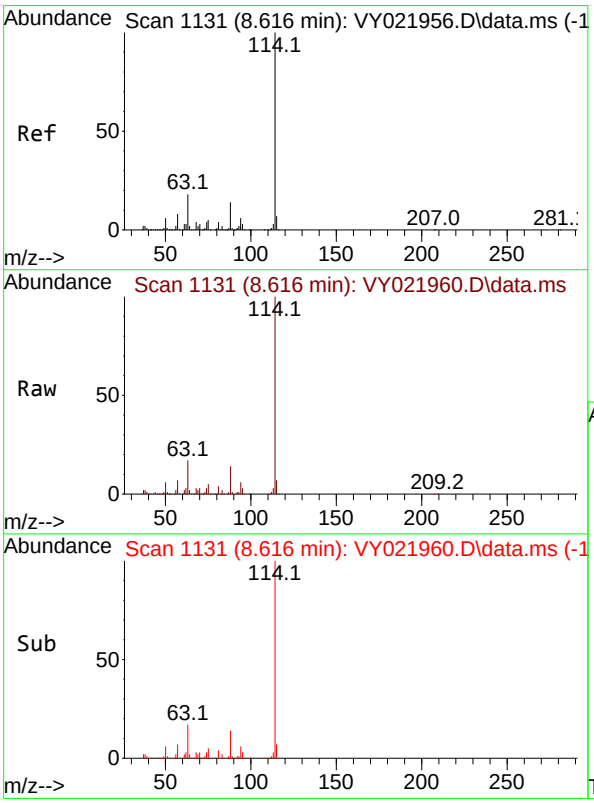
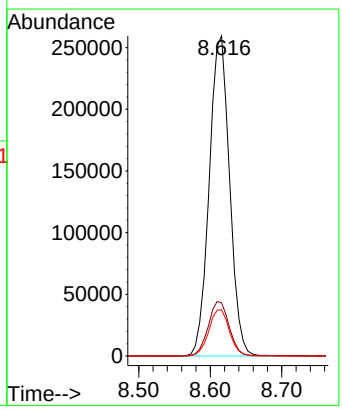
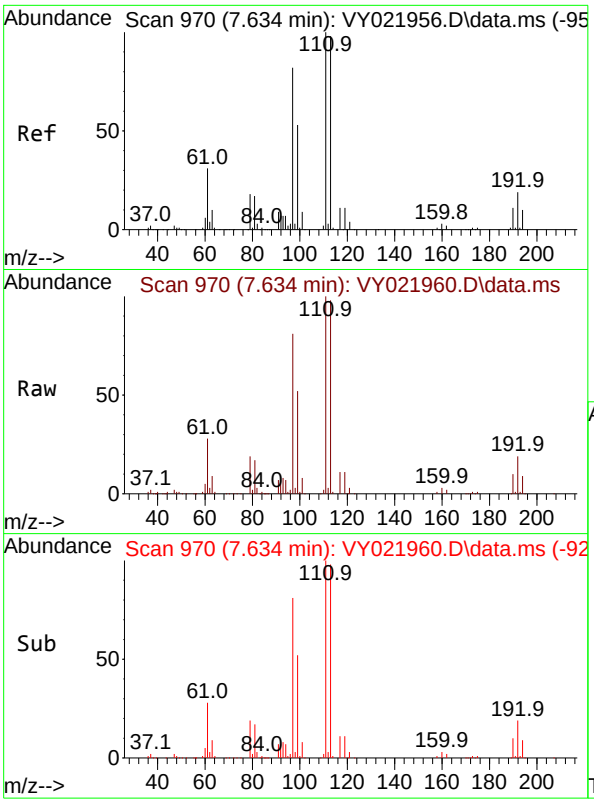


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:114 Resp: 512398

Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	35.4
88	14.4	0.0	28.2

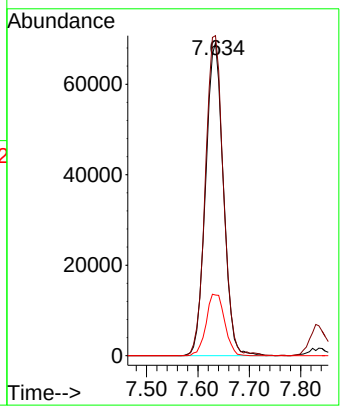




#35
Dibromofluoromethane
Concen: 48.989 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:113 Resp: 16583

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	20.5	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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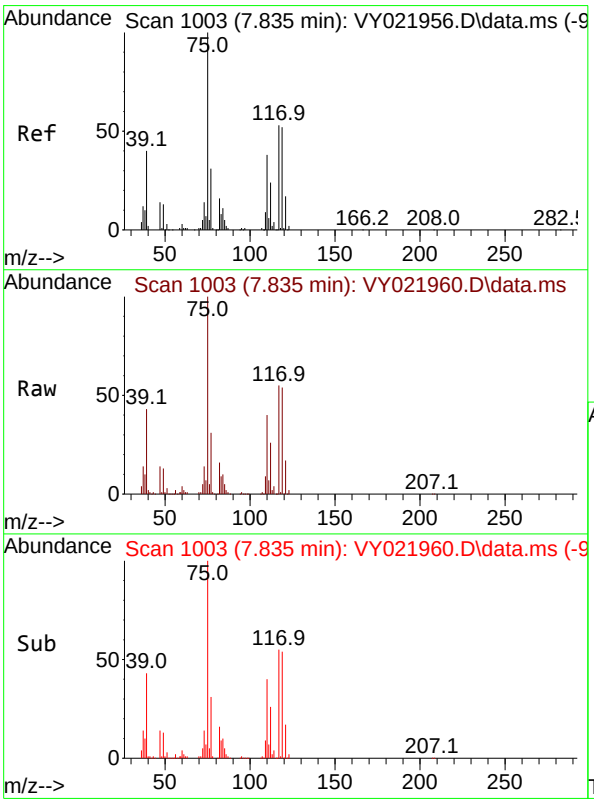
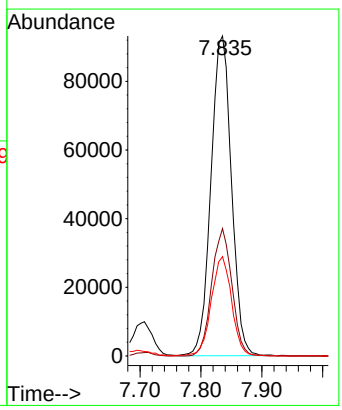
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

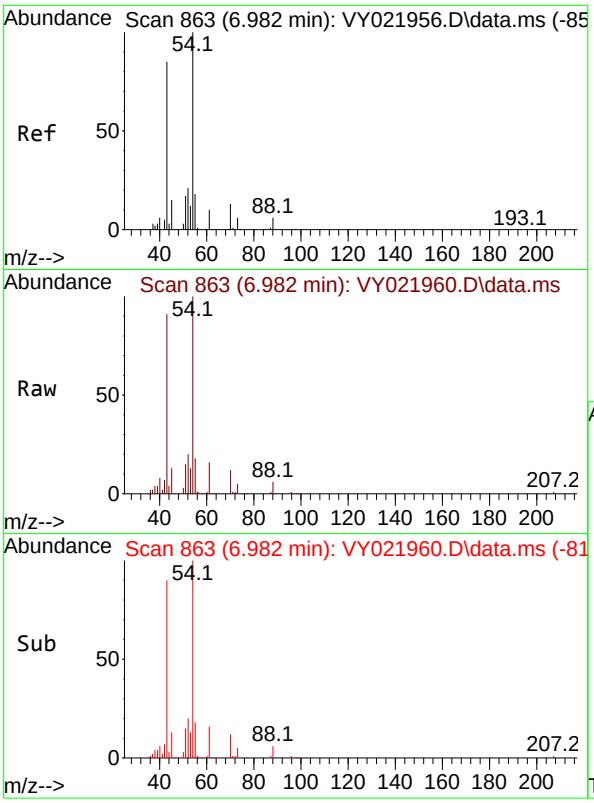


#36
1,1-Dichloropropene
Concen: 47.914 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 217873

Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.1	57.3
77	30.9	25.5	38.3





#37
Ethyl Acetate
Concen: 46.092 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 7527

Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.8	20.6
70	12.2	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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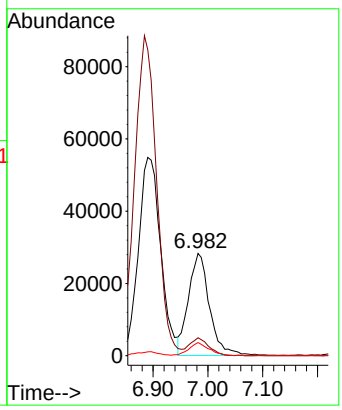
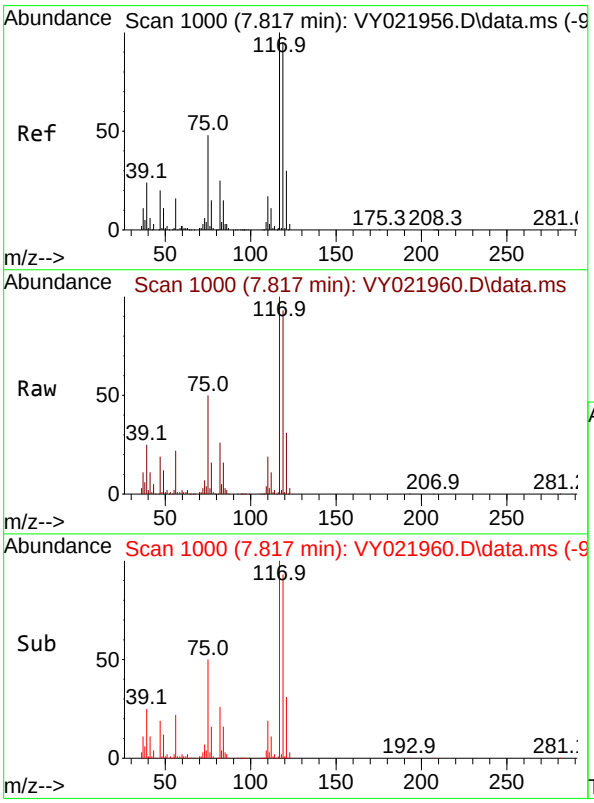
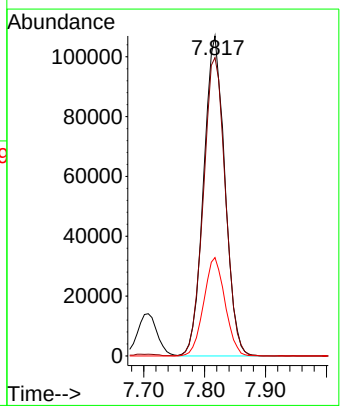


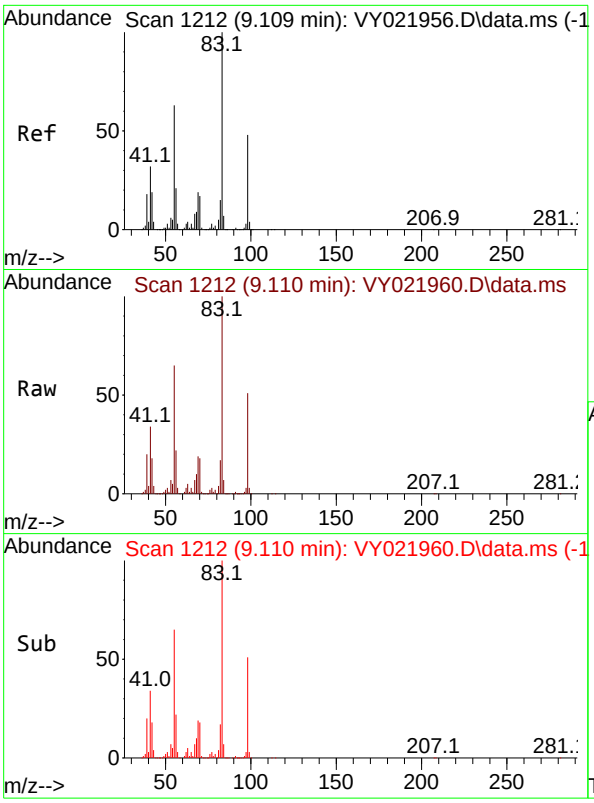


#38
Carbon Tetrachloride
Concen: 47.630 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:117 Resp: 258803

Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.2	114.4
121	30.8	24.0	36.0

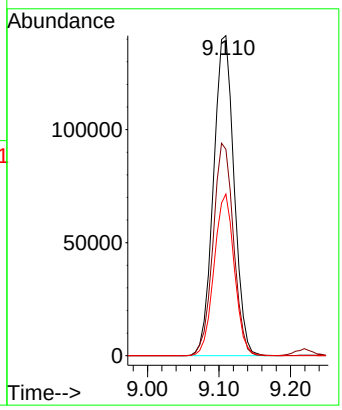




#39
Methylcyclohexane
Concen: 49.486 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 83 Resp: 28317

Ion	Ratio	Lower	Upper
83	100		
55	64.5	50.6	75.8
98	50.5	38.6	58.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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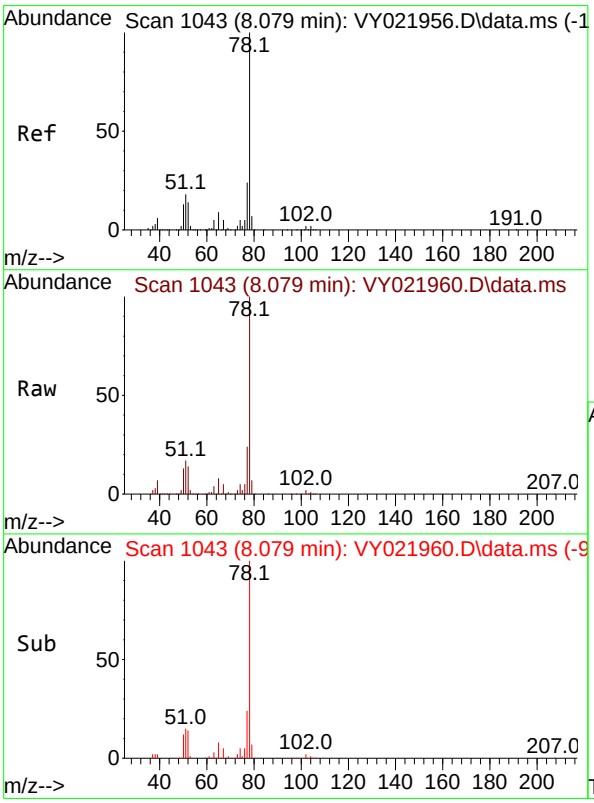
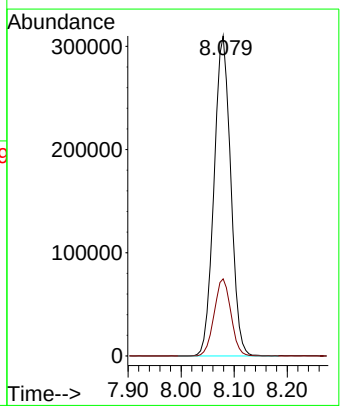
Supervised By :Mahesh Dadoda 04/23/2025

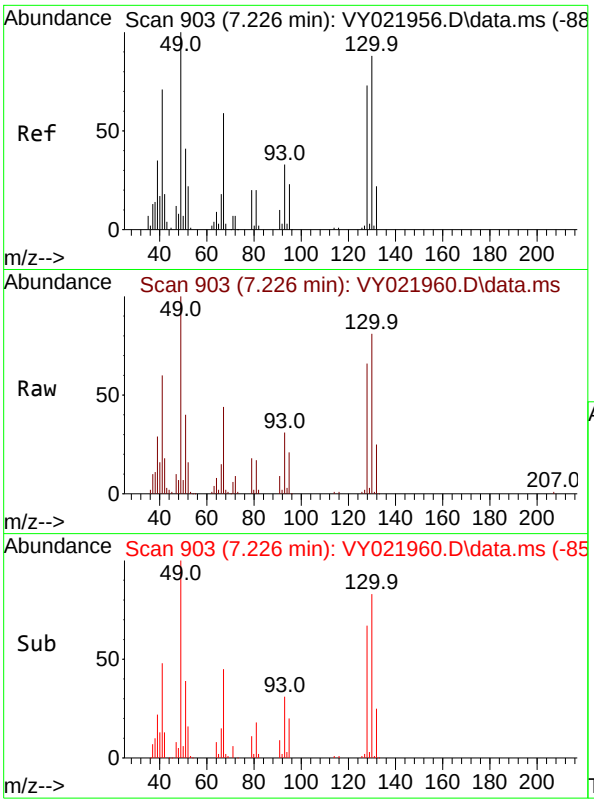


#40
Benzene
Concen: 47.692 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 78 Resp: 677917

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

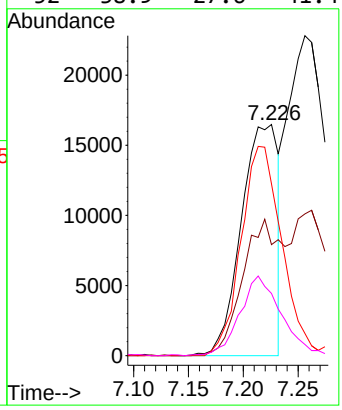




#41
Methacrylonitrile
Concen: 43.342 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 41 Resp: 3869

Ion	Ratio	Lower	Upper
41	100		
39	62.5	36.6	55.0
67	100.7	72.2	108.4
52	38.9	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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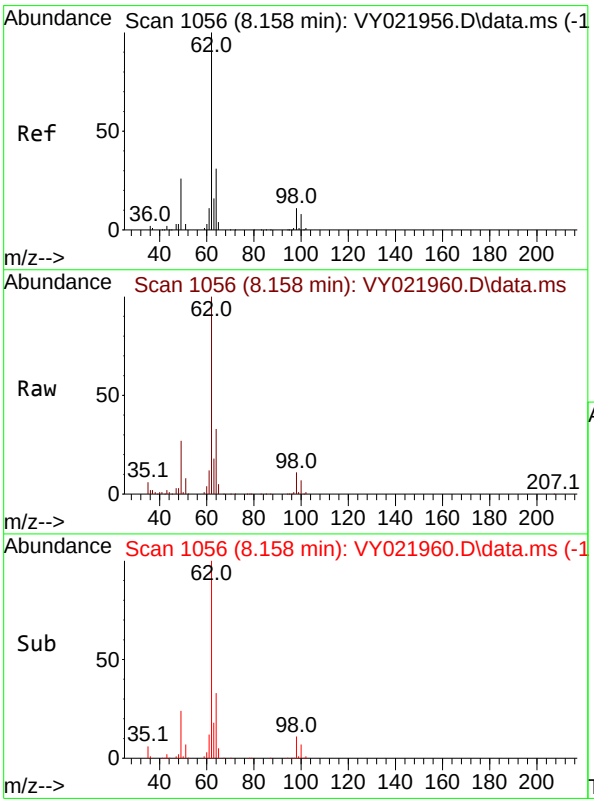
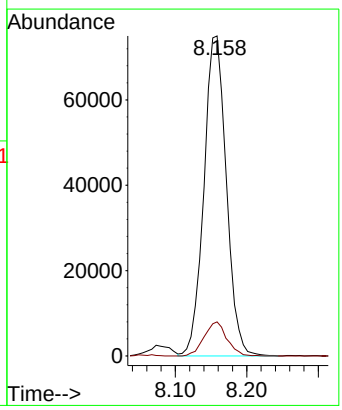
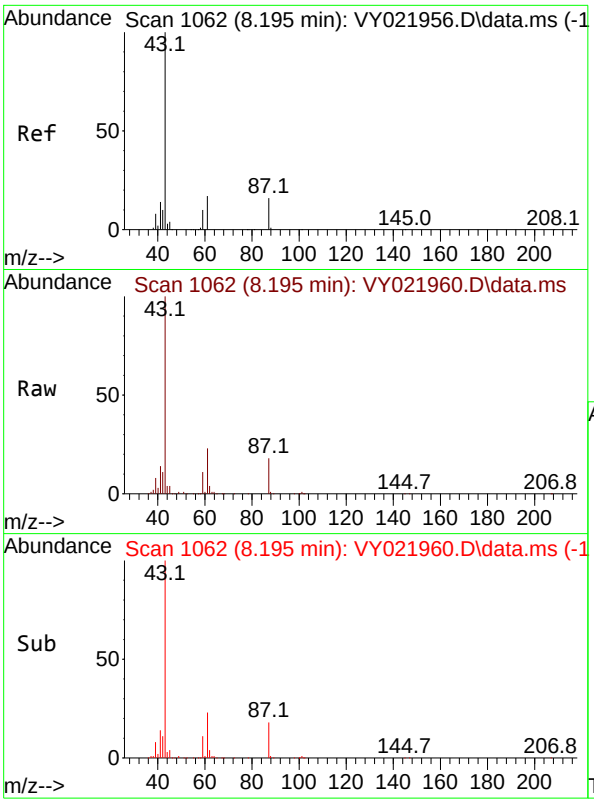


#42
1,2-Dichloroethane
Concen: 46.472 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 62 Resp: 163549

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0





#43
Isopropyl Acetate
Concen: 46.545 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 14598

Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.9	28.3
87	18.2	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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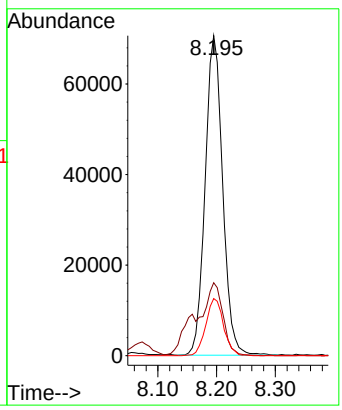
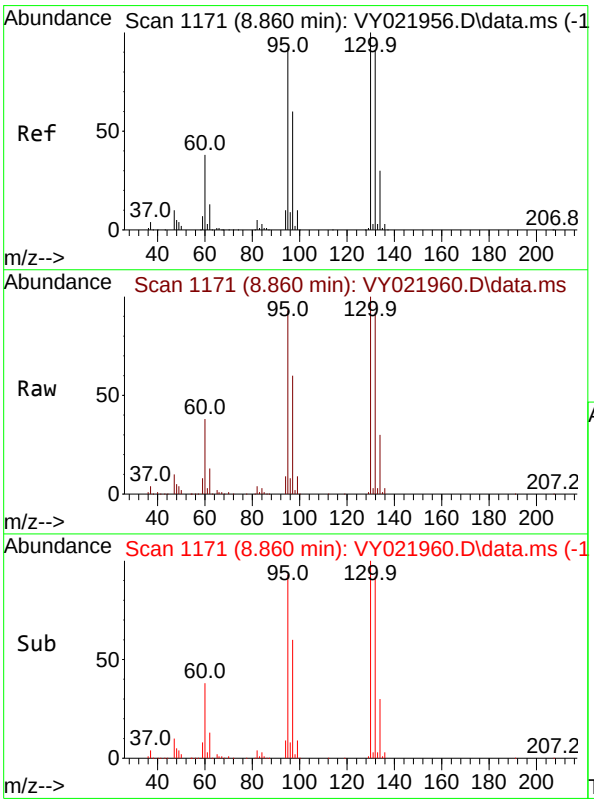
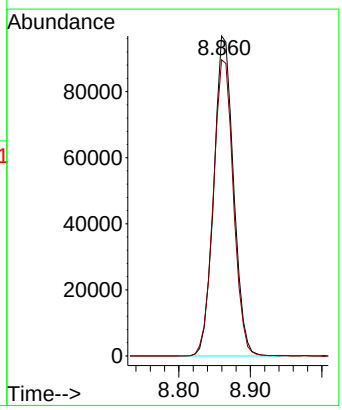


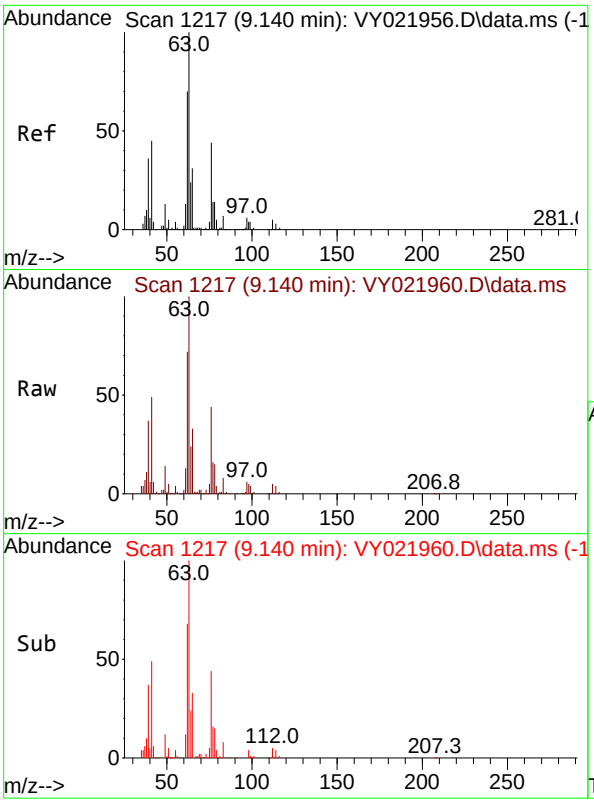


#44
Trichloroethene
Concen: 47.027 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:130 Resp: 185153

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	183.2





#45
1,2-Dichloropropane
Concen: 47.326 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 63 Resp: 14876

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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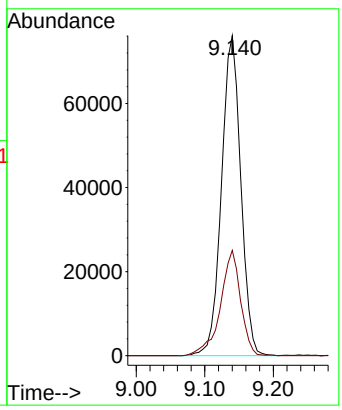
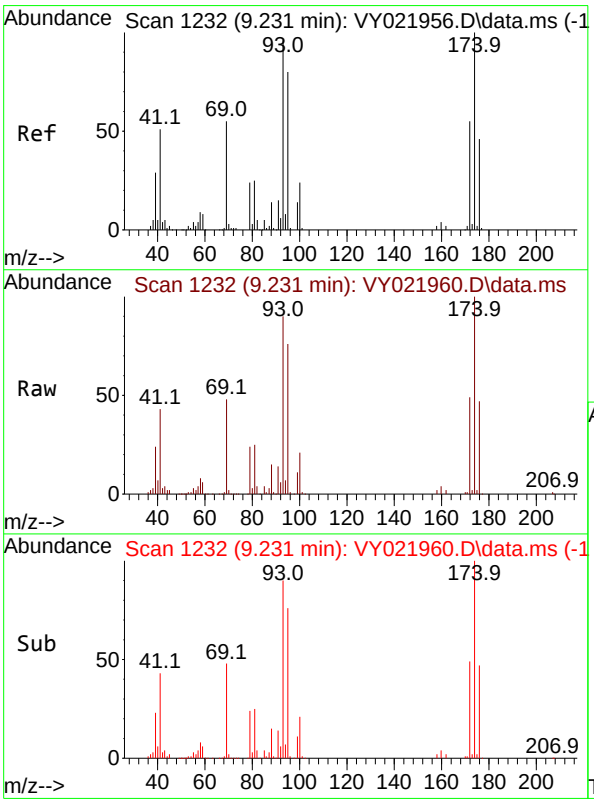
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

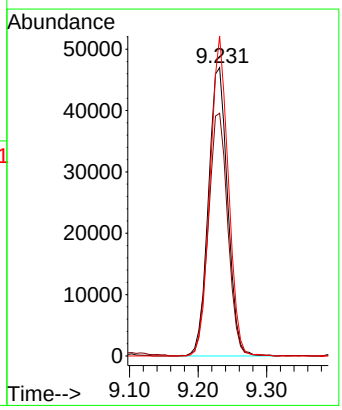


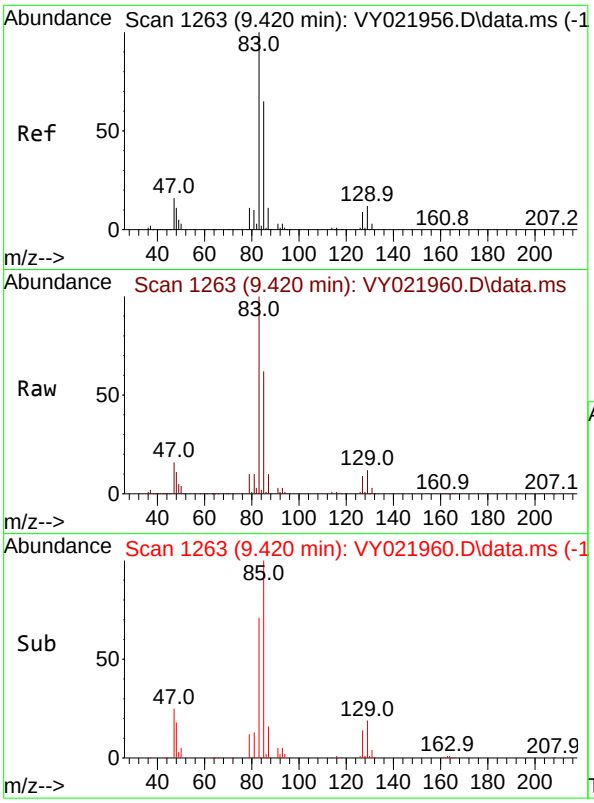


#46
Dibromomethane
Concen: 46.578 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 93 Resp: 91655

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	105.0	84.6	127.0

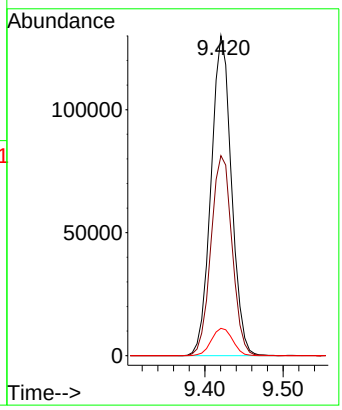




#47
Bromodichloromethane
Concen: 47.955 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 83 Resp: 23573

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.8
127	8.5	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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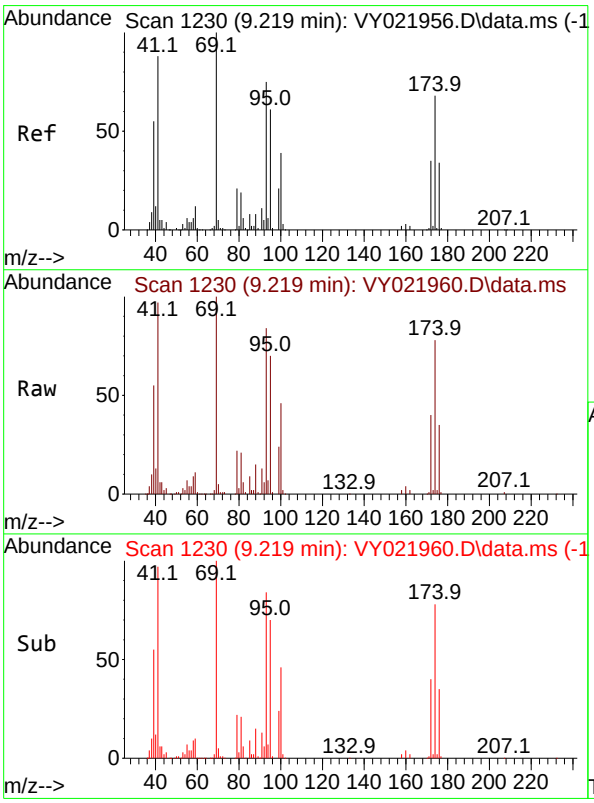
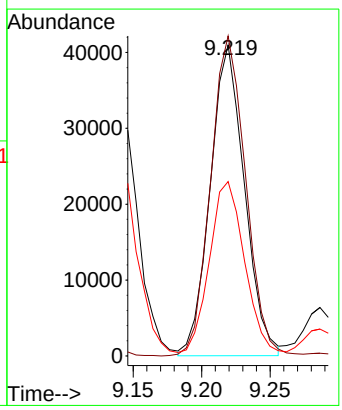
Supervised By :Mahesh Dadoda 04/23/2025

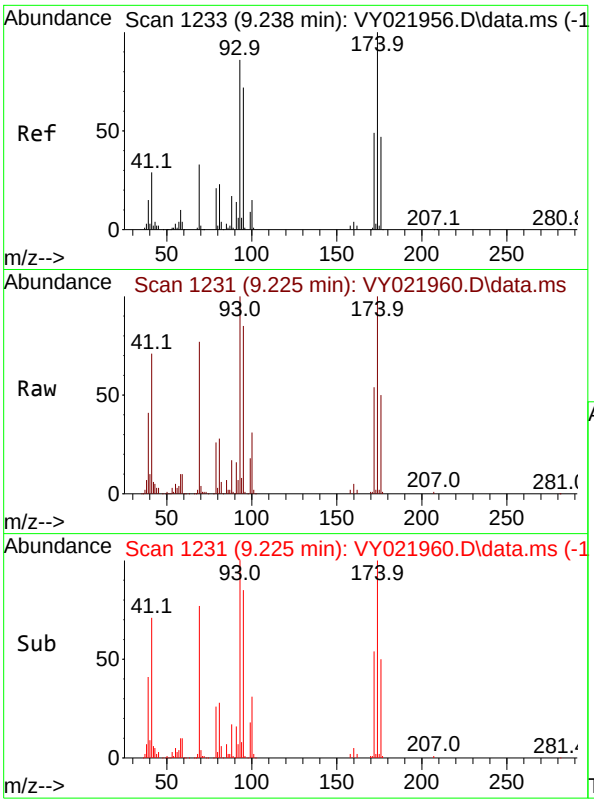


#48
Methyl methacrylate
Concen: 49.090 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 41 Resp: 71174

Ion	Ratio	Lower	Upper
41	100		
69	105.2	85.5	128.3
39	55.9	46.2	69.4





#49
1,4-Dioxane
Concen: 951.409 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 88 Resp: 1995

Ion	Ratio	Lower	Upper
88	100		
43	25.4	21.3	31.9
58	53.4	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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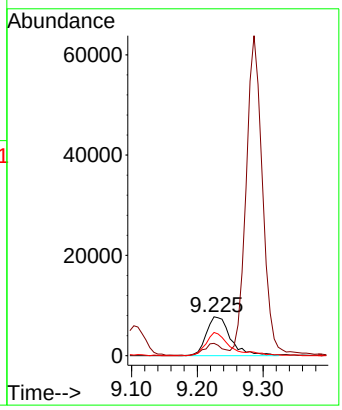
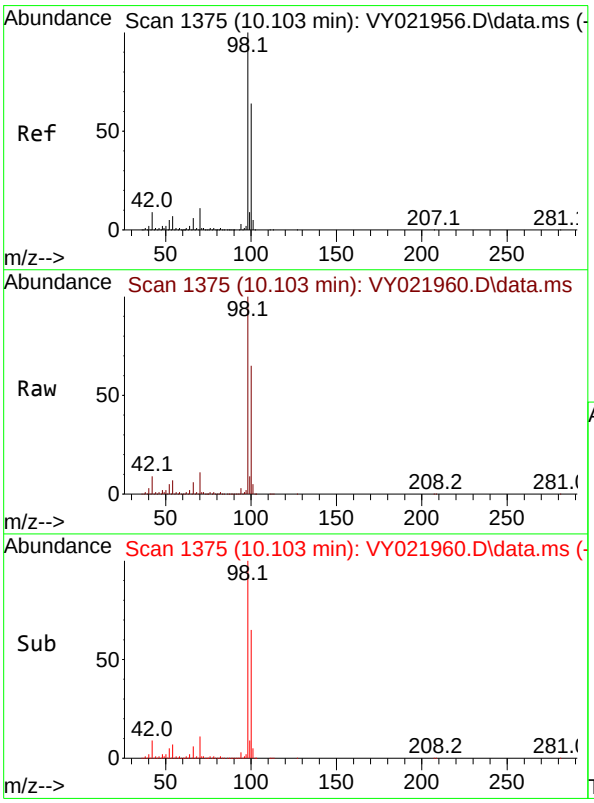
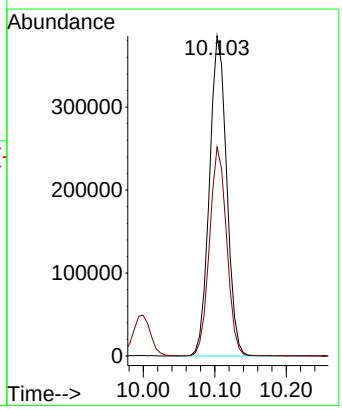


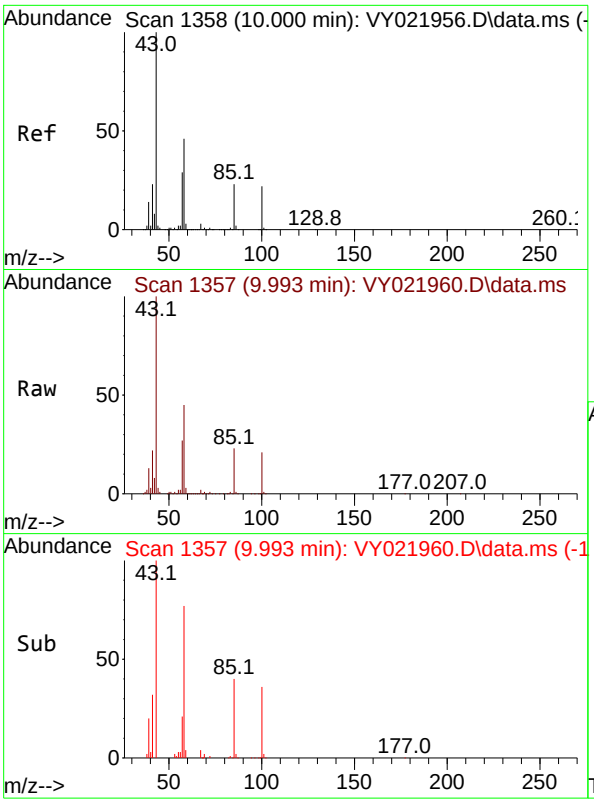


#50
Toluene-d8
Concen: 50.539 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 98 Resp: 644989

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4

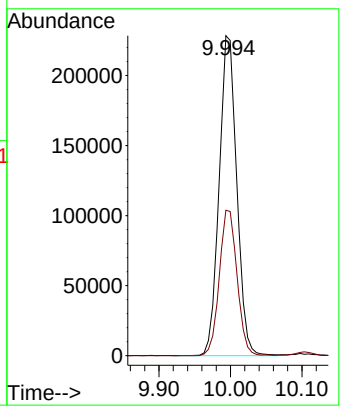




#51
4-Methyl-2-Pentanone
Concen: 237.972 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 39124

Ion	Ratio	Lower	Upper
43	100		
58	45.8	36.6	55.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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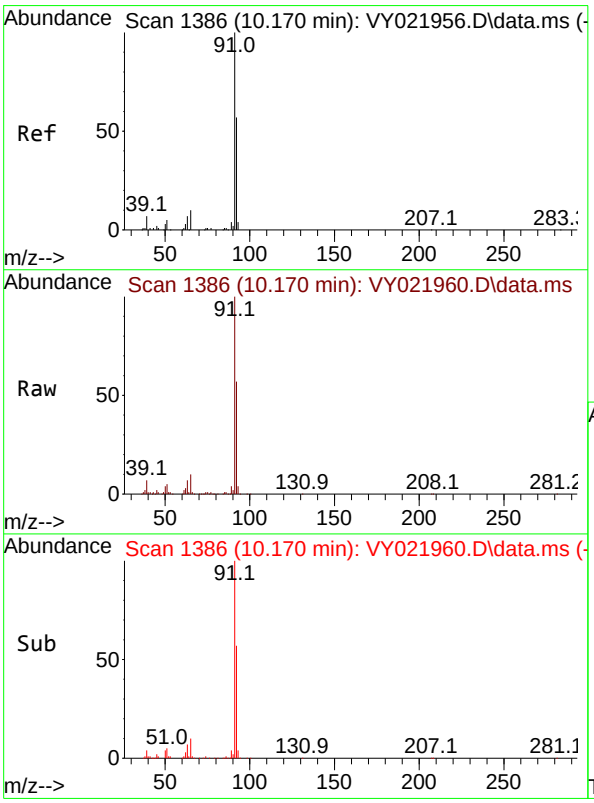
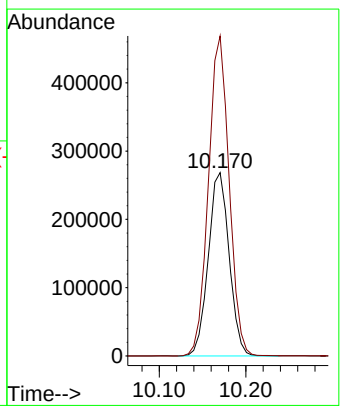
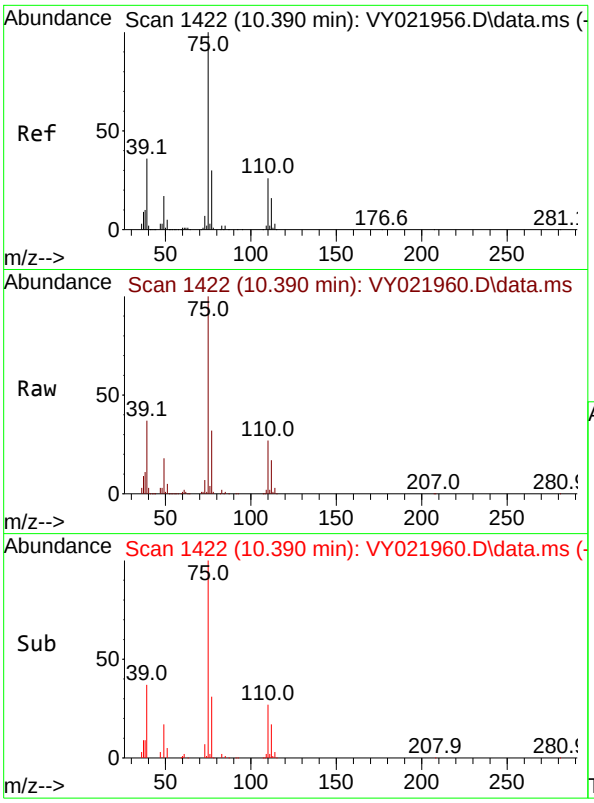


#52
Toluene
Concen: 48.774 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 92 Resp: 448774

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 47.893 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 20193

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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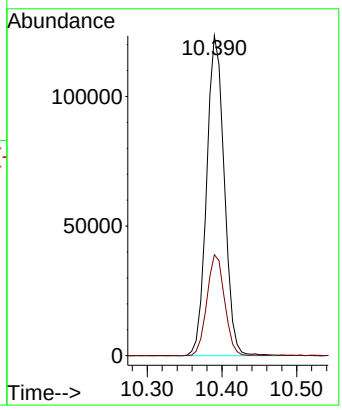
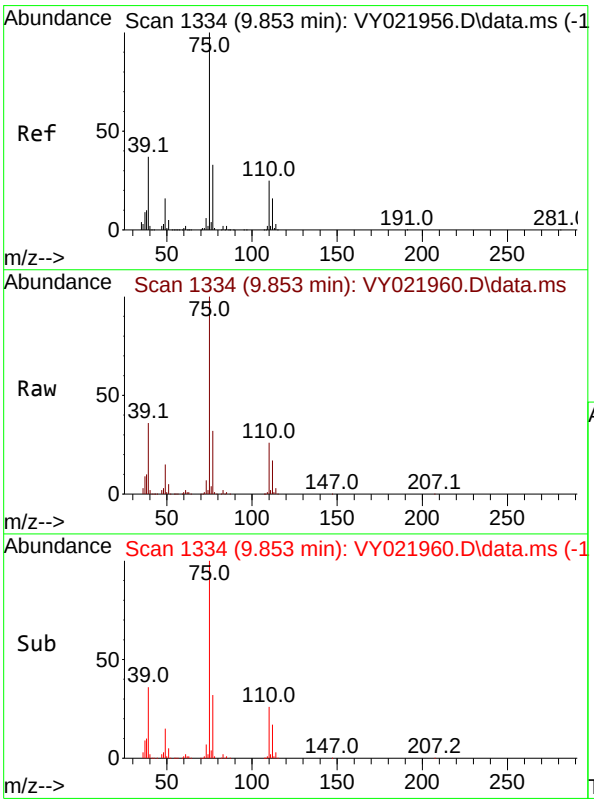
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

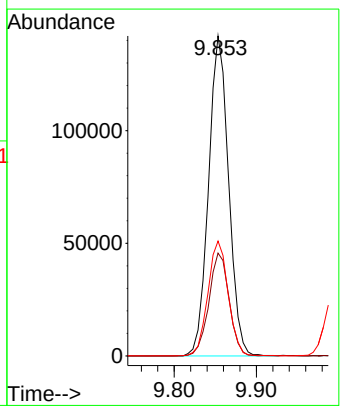


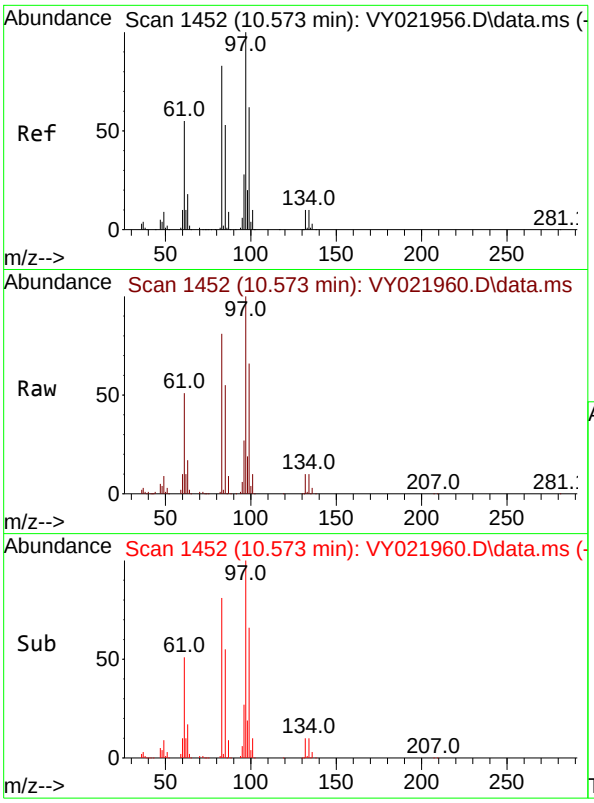


#54
cis-1,3-Dichloropropene
Concen: 48.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 241197

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.6	40.0
39	35.9	29.6	44.4

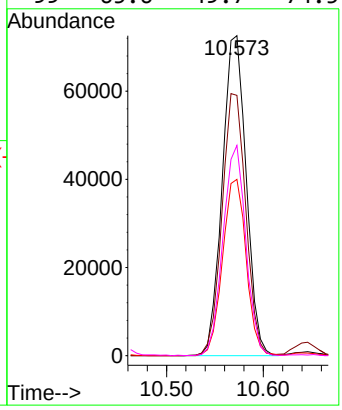




#55
1,1,2-Trichloroethane
Concen: 47.403 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 97 Resp: 12459

Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.7	100.1
85	55.1	42.6	64.0
99	65.6	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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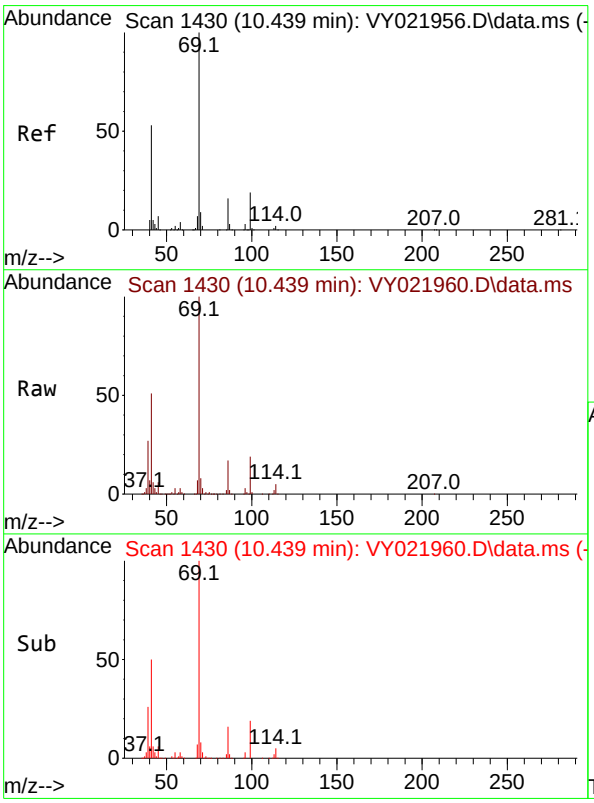
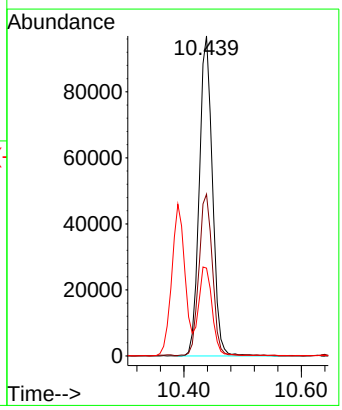
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

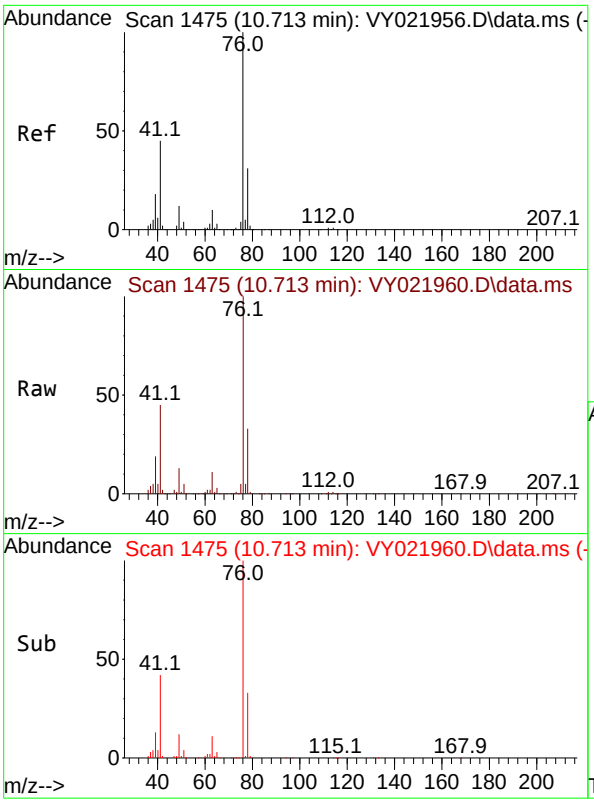


#56
Ethyl methacrylate
Concen: 50.188 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 69 Resp: 150855

Ion	Ratio	Lower	Upper
69	100		
41	51.3	40.7	61.1
39	28.3	23.3	34.9





#57
1,3-Dichloropropane
Concen: 47.024 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 76 Resp: 19814

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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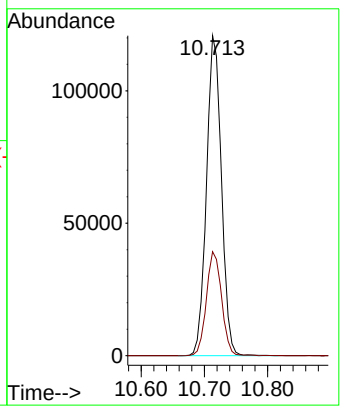
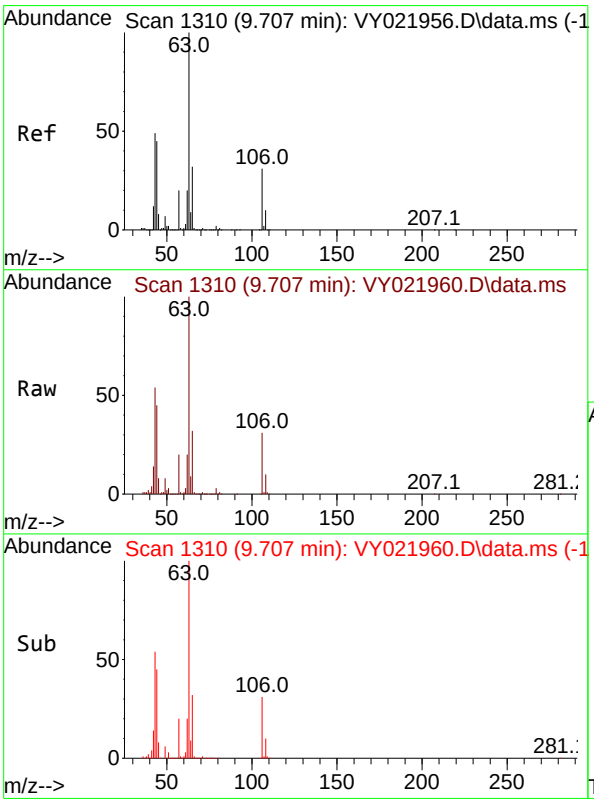
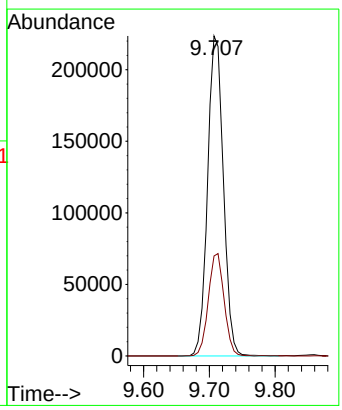


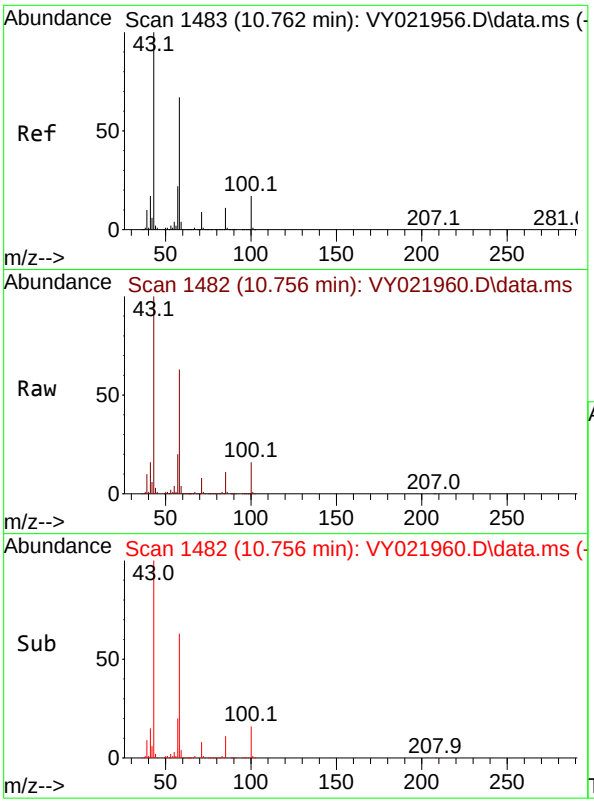


#58
2-Chloroethyl Vinyl ether
Concen: 253.928 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 63 Resp: 373183

Ion	Ratio	Lower	Upper
63	100		
106	32.0	25.3	37.9





#59
2-Hexanone
Concen: 238.340 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 25845

Ion	Ratio	Lower	Upper
43	100		
58	63.9	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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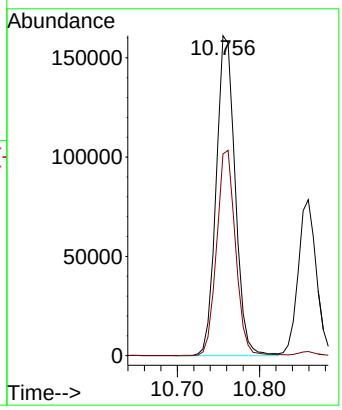
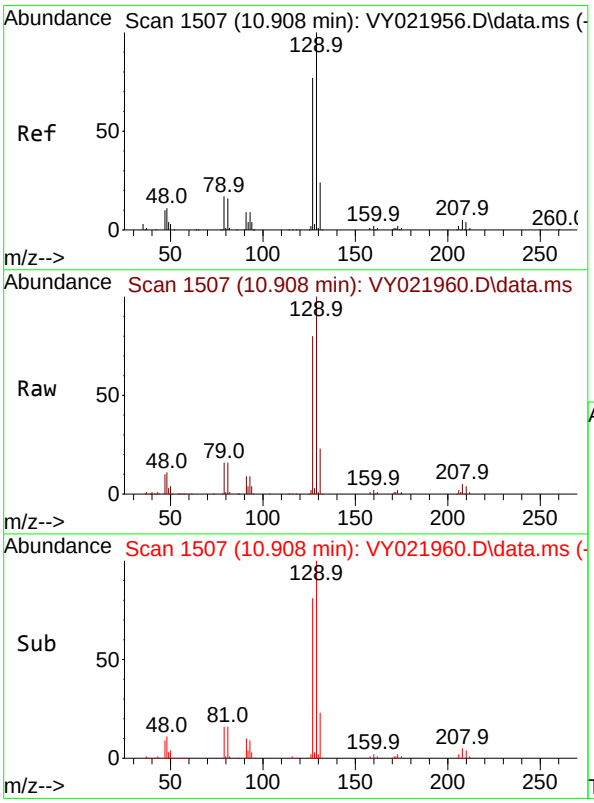
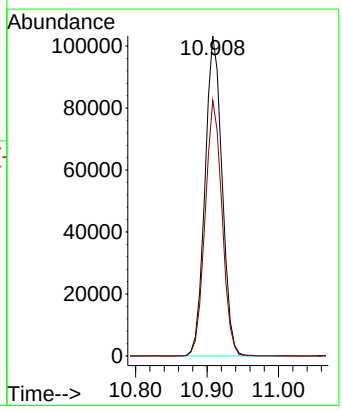


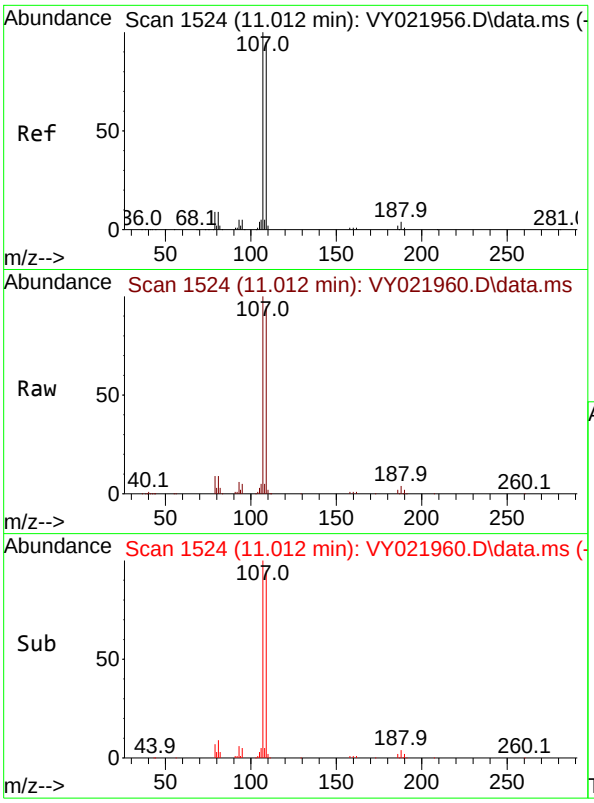


#60
Dibromochloromethane
Concen: 46.882 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:129 Resp: 170608

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.5	115.3





#61
1,2-Dibromoethane
Concen: 47.188 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:107 Resp: 11709

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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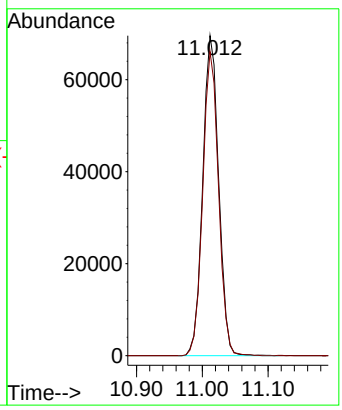
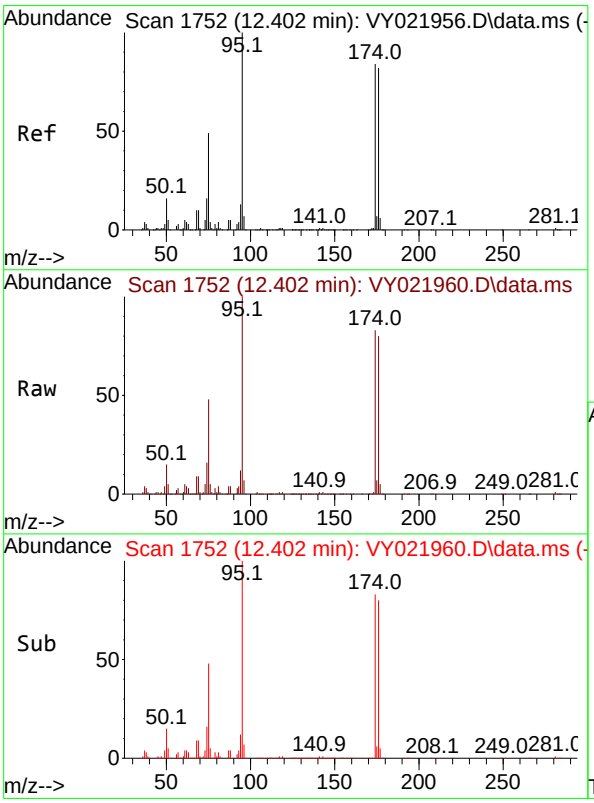
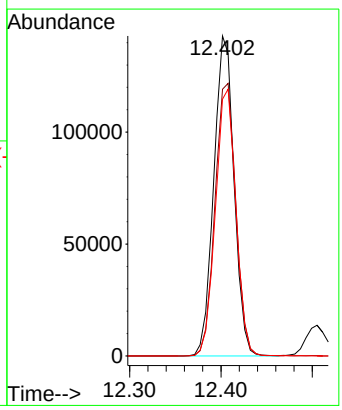


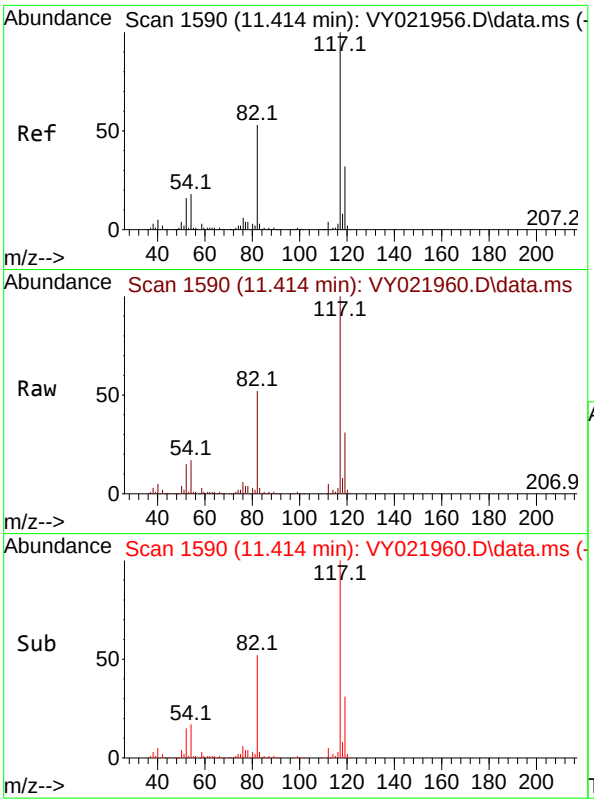


#62
4-Bromofluorobenzene
Concen: 51.198 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 95 Resp: 219958

Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	179.0
176	84.4	0.0	171.8

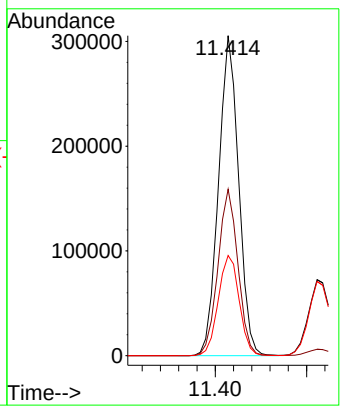




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:117 Resp: 46709

Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	31.3	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
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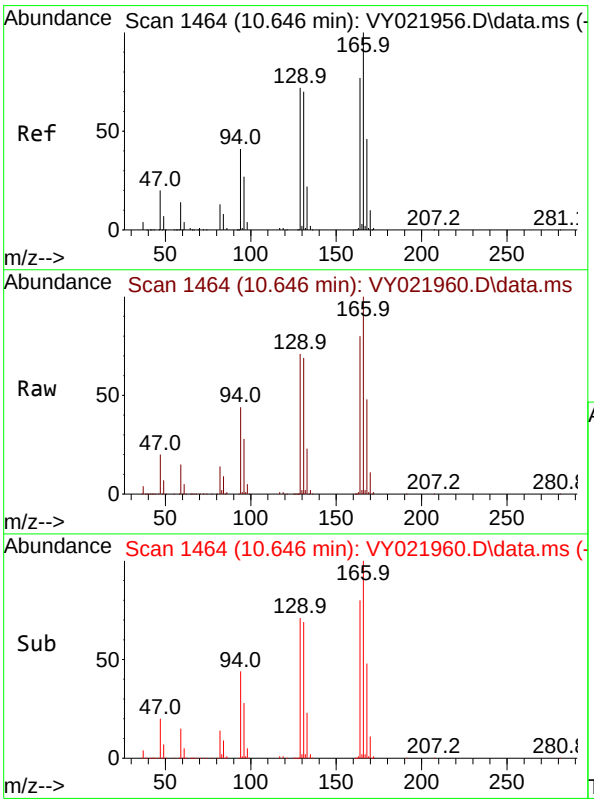
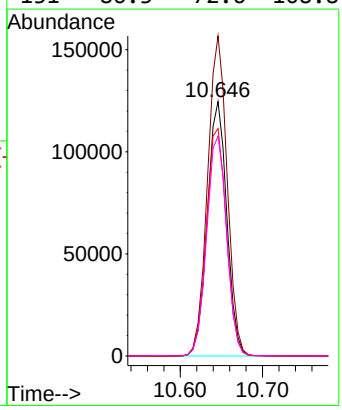
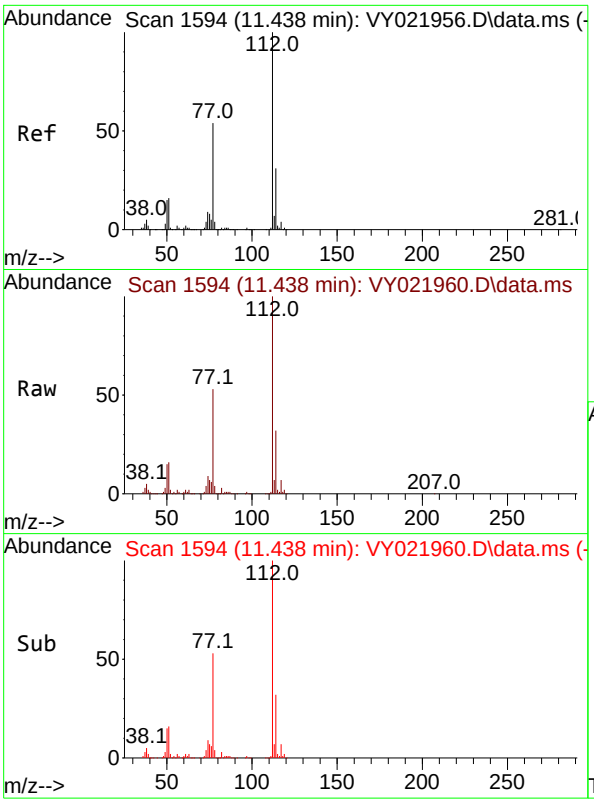


#64
Tetrachloroethene
Concen: 46.550 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:164 Resp: 205118

Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.6	155.4
129	89.4	74.2	111.4
131	86.3	72.6	108.8

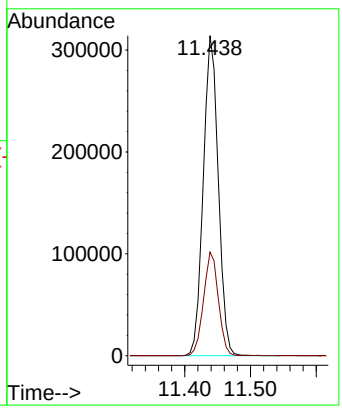




#65
Chlorobenzene
Concen: 47.734 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:112 Resp: 49860

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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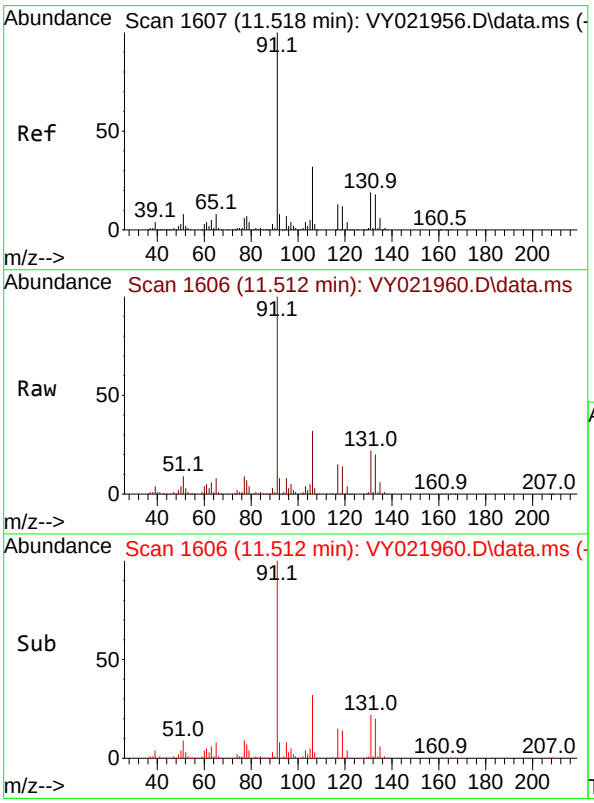
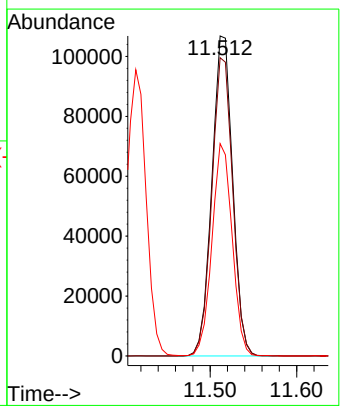
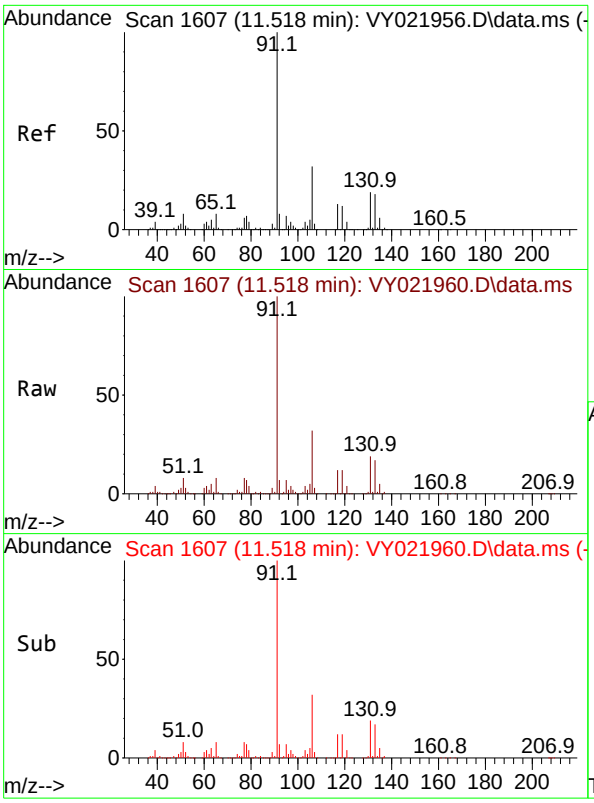


#66
1,1,1,2-Tetrachloroethane
Concen: 48.308 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:131 Resp: 177647

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.8	143.3
119	64.7	32.4	97.0

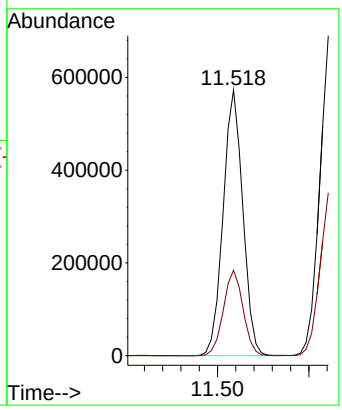




#67
Ethyl Benzene
Concen: 50.142 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 91 Resp: 85677

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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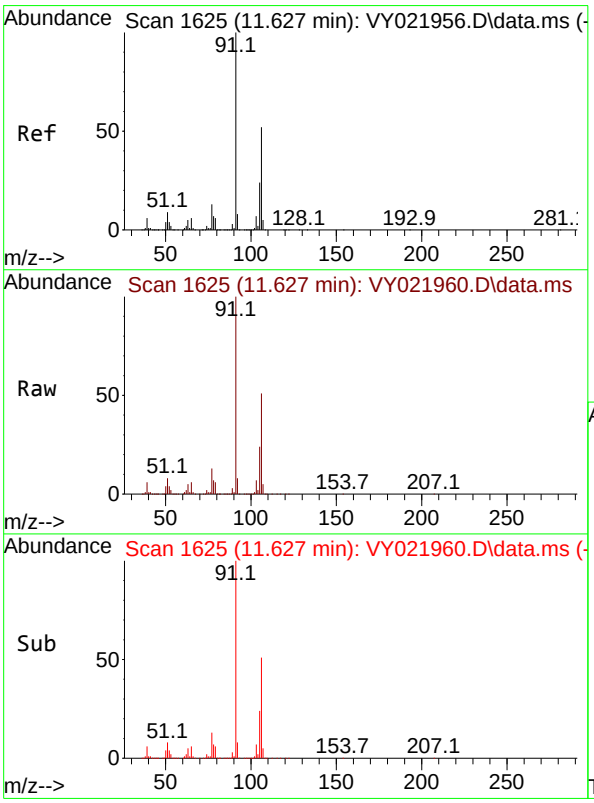
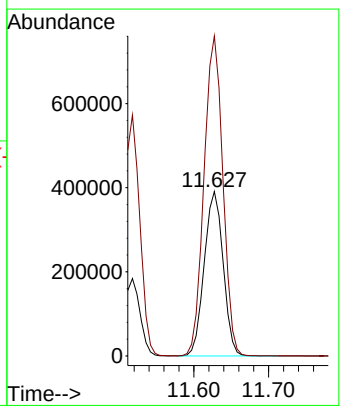
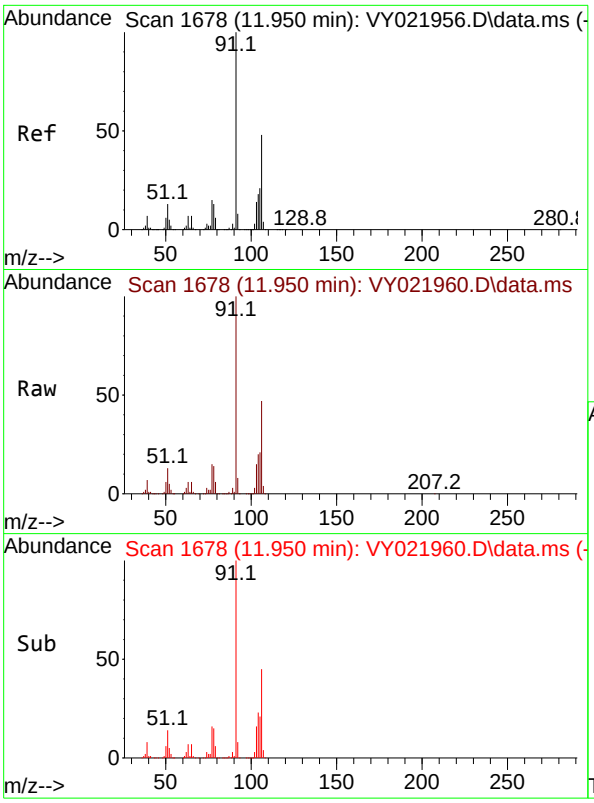


#68
m/p-Xylenes
Concen: 101.181 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:106 Resp: 687961

Ion	Ratio	Lower	Upper
106	100		
91	193.7	156.2	234.2

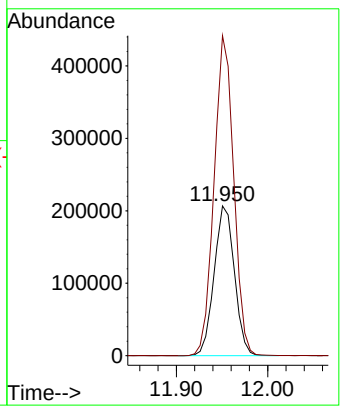




#69
o-Xylene
Concen: 50.949 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:106 Resp: 31929

Ion	Ratio	Lower	Upper
106	100		
91	206.7	103.0	308.9



Instrument :
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ICVVY042225

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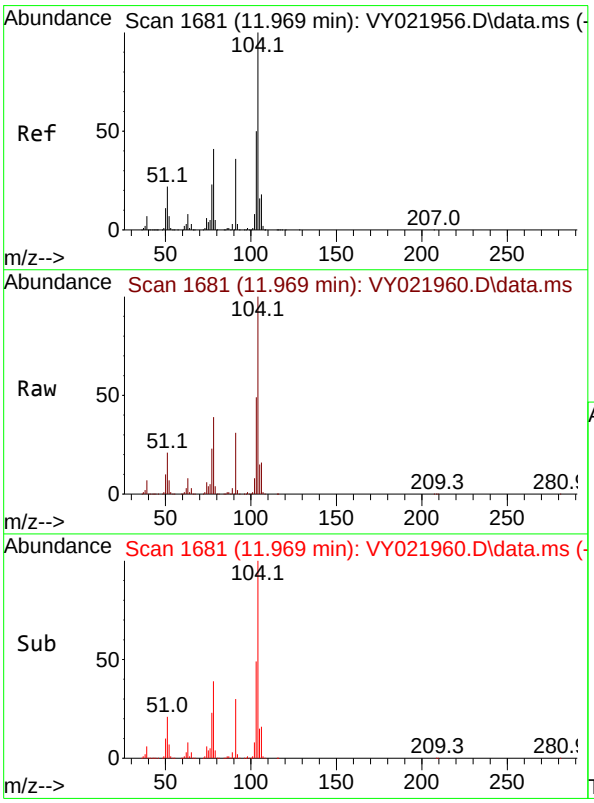
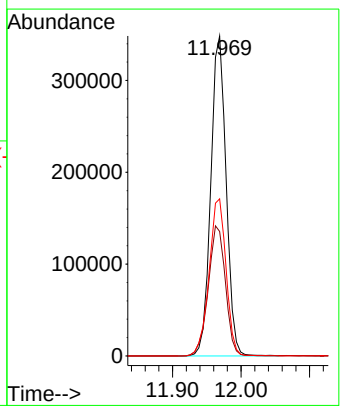
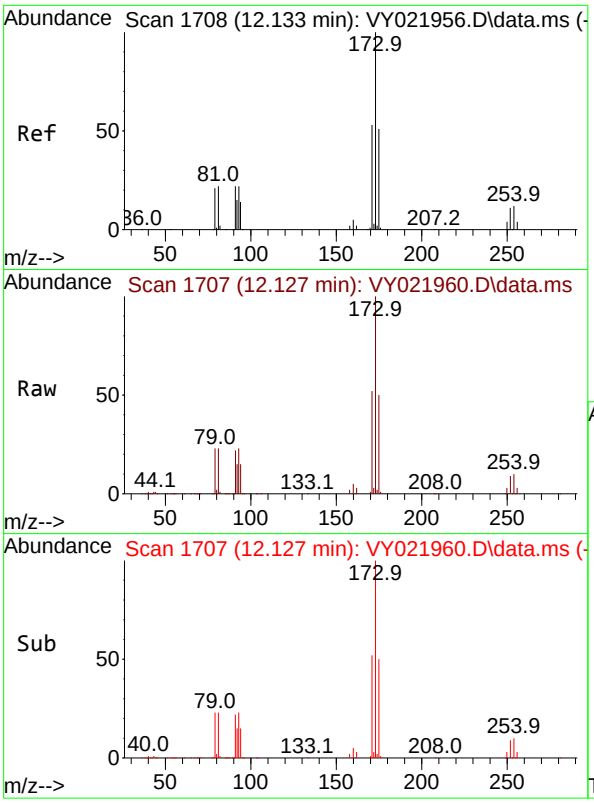


#70
Styrene
Concen: 51.513 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:104 Resp: 542034

Ion	Ratio	Lower	Upper
104	100		
78	45.5	36.6	54.8
103	54.4	43.8	65.8

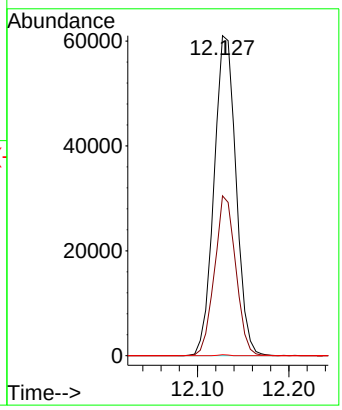




#71
Bromoform
Concen: 47.821 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:173 Resp: 10224

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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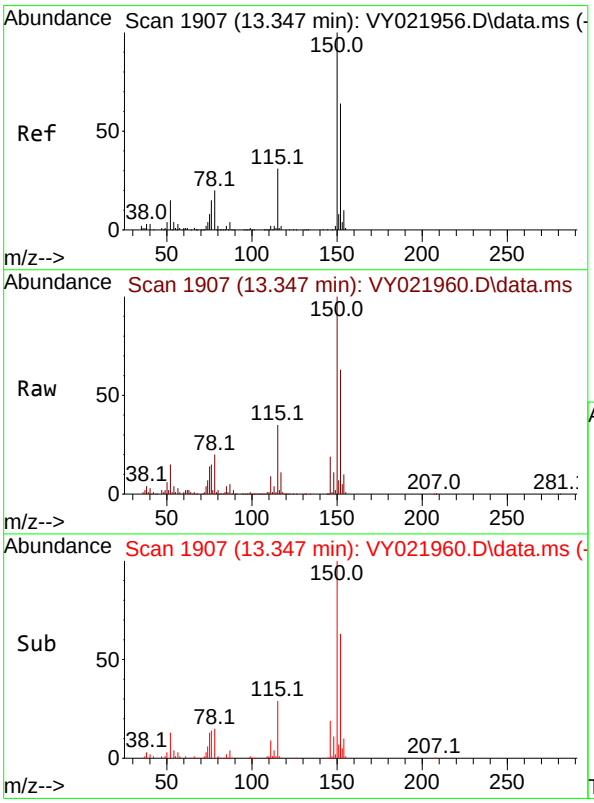
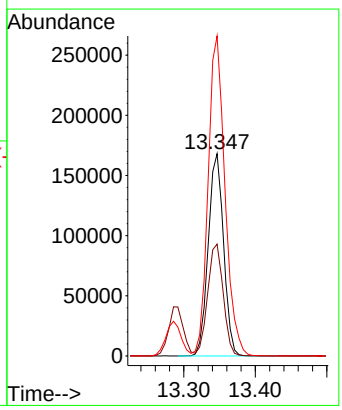
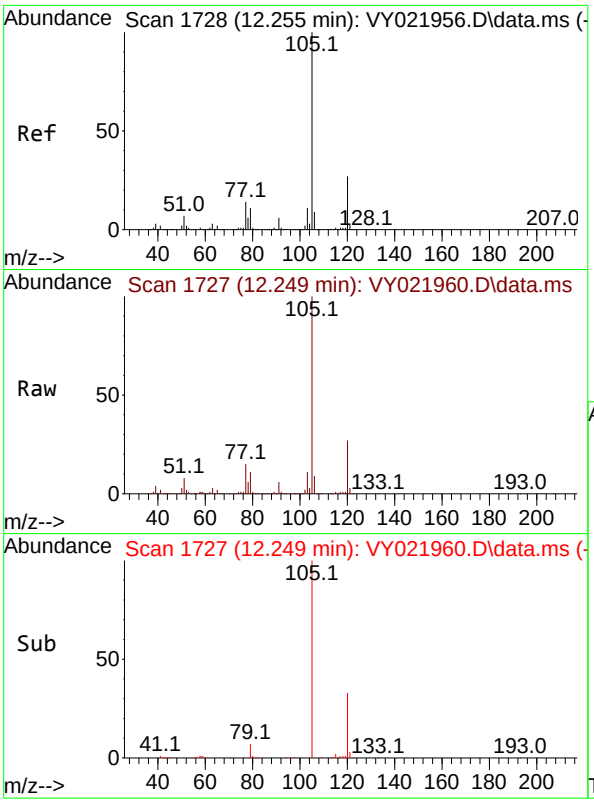


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:152 Resp: 250602

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	173.6	0.0	345.6

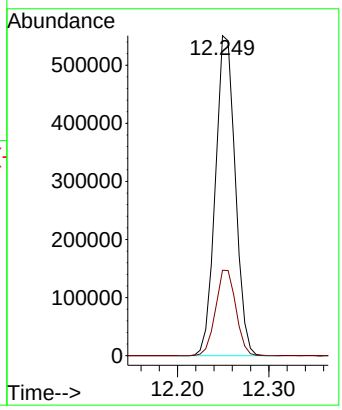




#73
Isopropylbenzene
Concen: 49.765 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:105 Resp: 83321

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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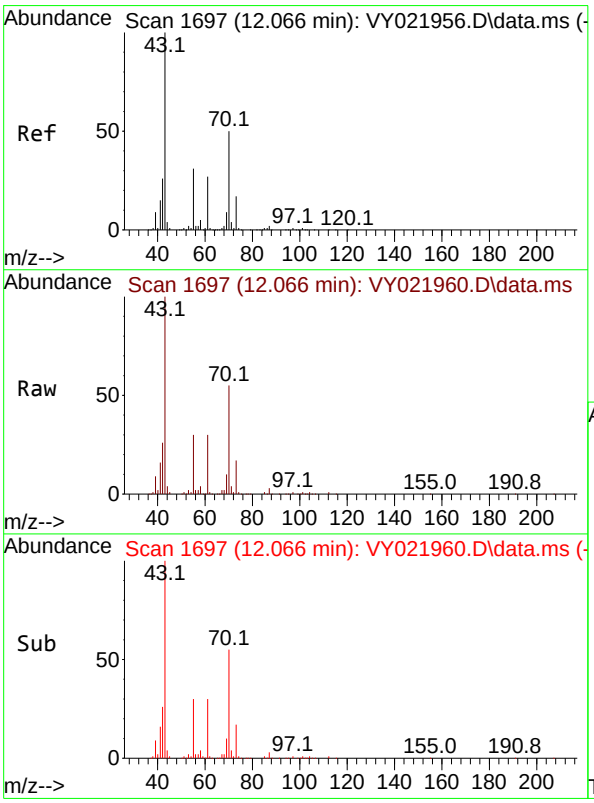
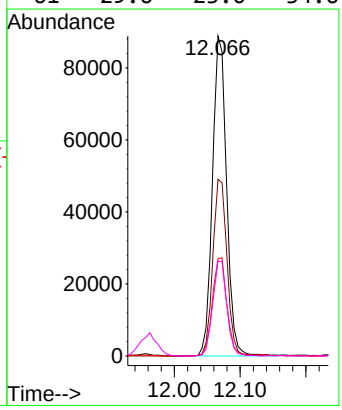
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

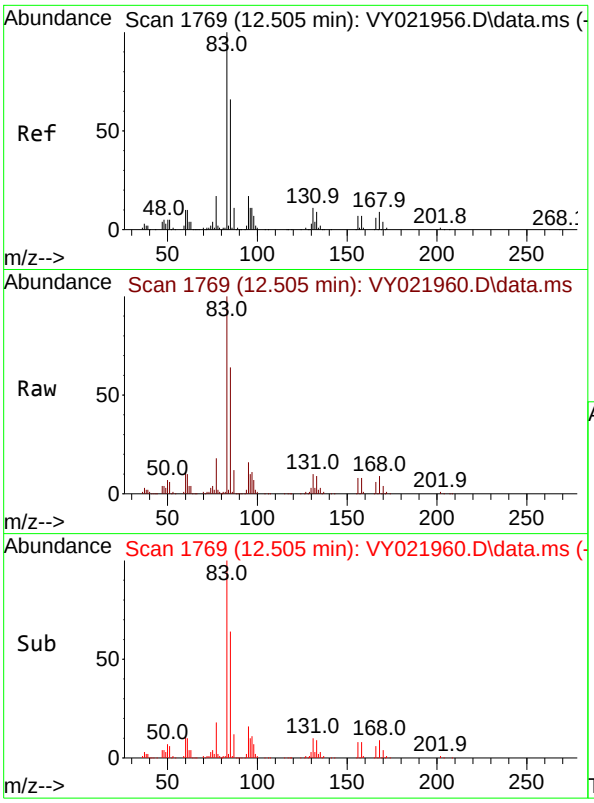


#74
N-amyl acetate
Concen: 46.264 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 133081

Ion	Ratio	Lower	Upper
43	100		
70	55.2	43.2	64.8
55	31.6	25.7	38.5
61	29.6	23.0	34.6

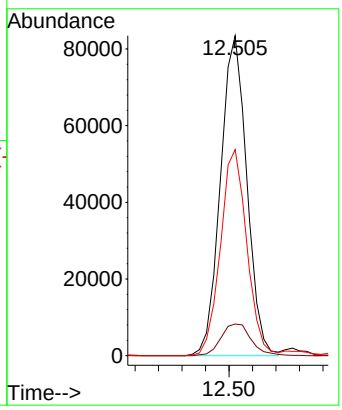




#75
1,1,2,2-Tetrachloroethane
Concen: 46.078 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 83 Resp: 13007

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	64.4	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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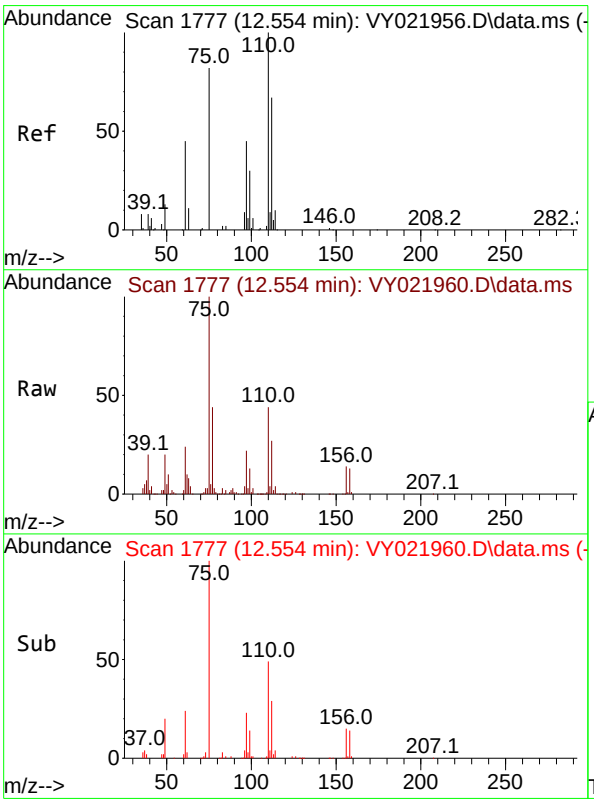
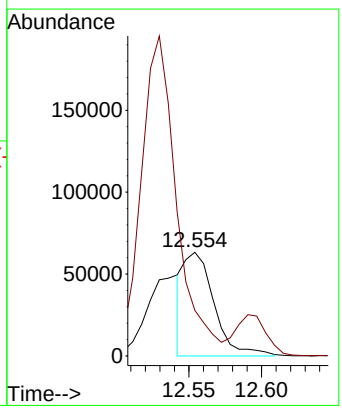
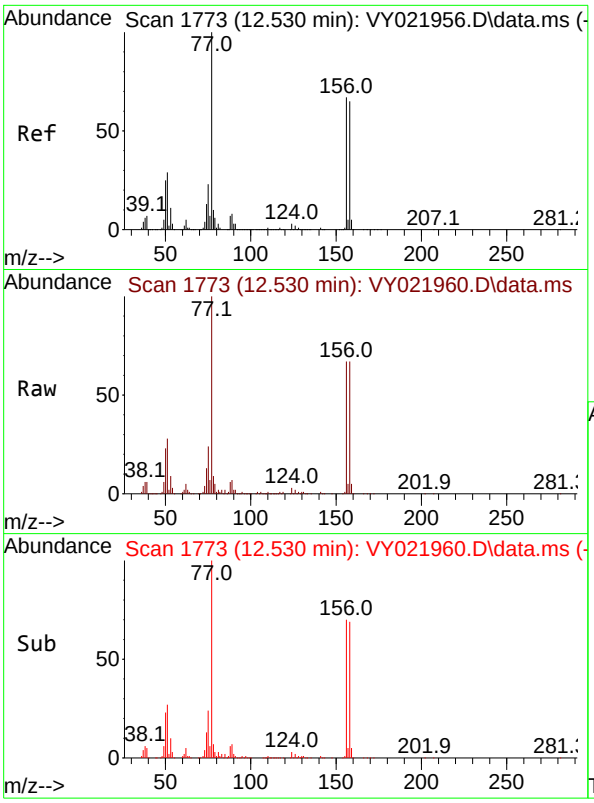


#76
1,2,3-Trichloropropane
Concen: 43.169 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 92664

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

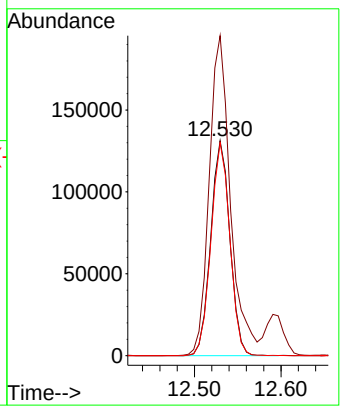




#77
Bromobenzene
Concen: 47.741 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:156 Resp: 20197

Ion	Ratio	Lower	Upper
156	100		
77	164.7	82.7	248.1
158	97.8	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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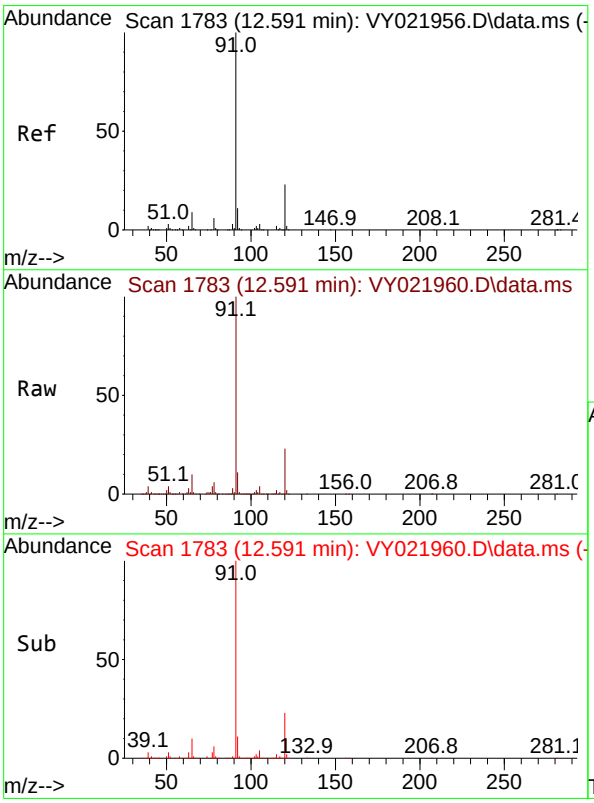
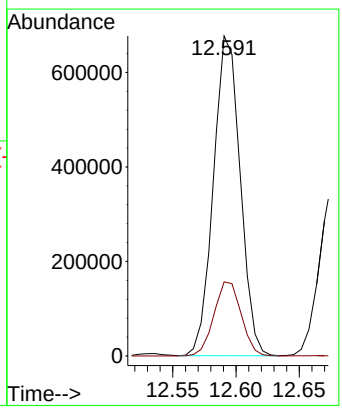
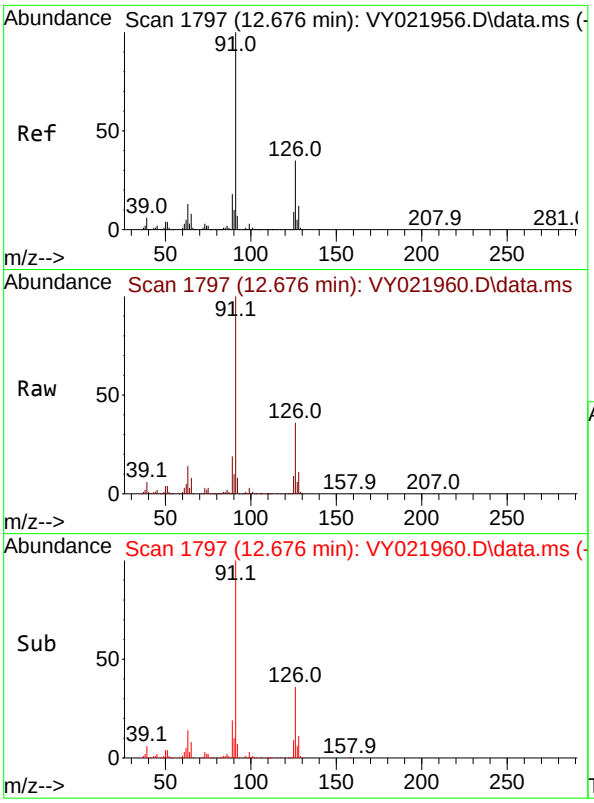


#78
n-propylbenzene
Concen: 49.907 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 91 Resp: 995089

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5

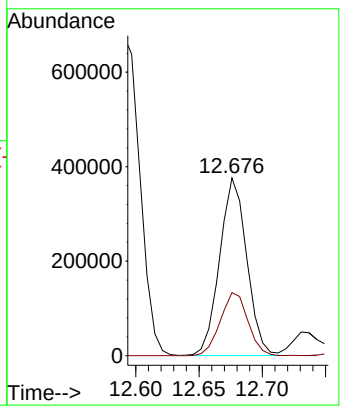




#79
2-Chlorotoluene
Concen: 48.351 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 91 Resp: 56066

Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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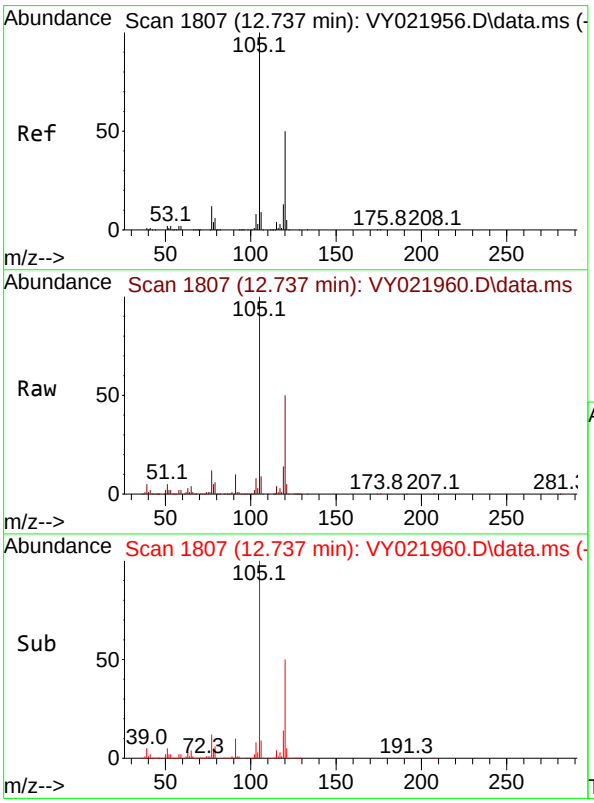
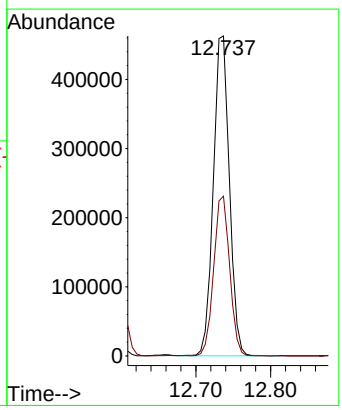
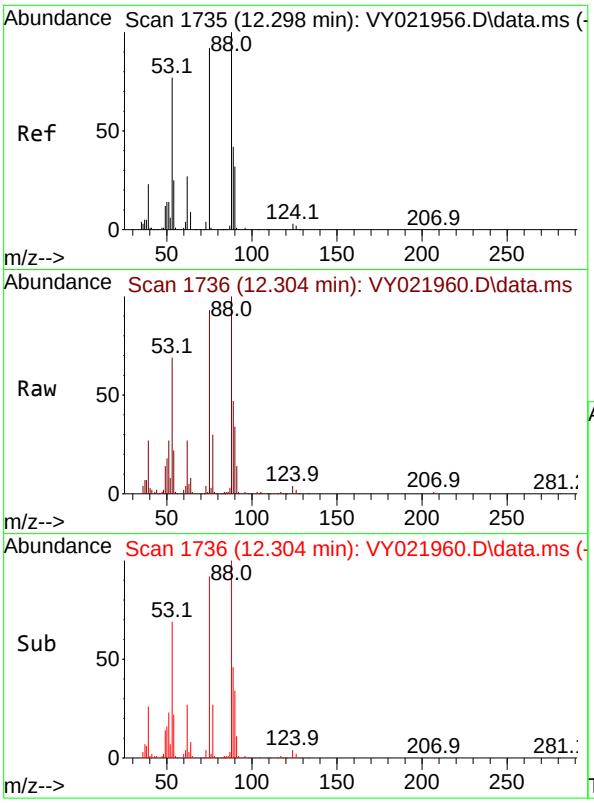


#80
1,3,5-Trimethylbenzene
Concen: 50.131 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:105 Resp: 691575

Ion	Ratio	Lower	Upper
105	100		
120	49.8	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 44.304 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 3949

Ion	Ratio	Lower	Upper
75	100		
53	82.0	66.0	99.0
89	49.6	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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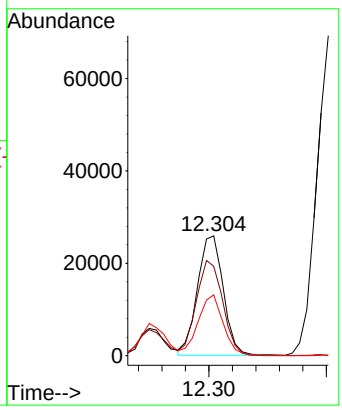
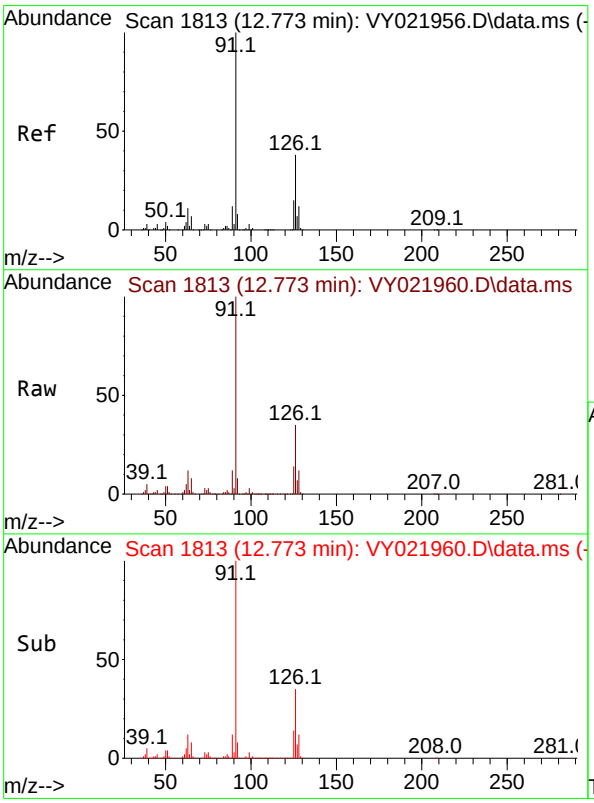
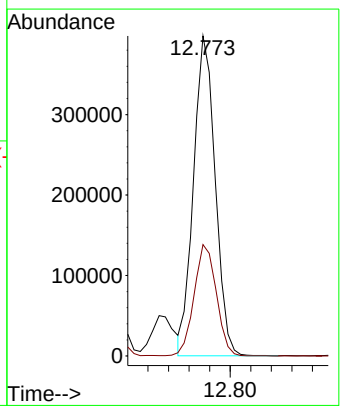


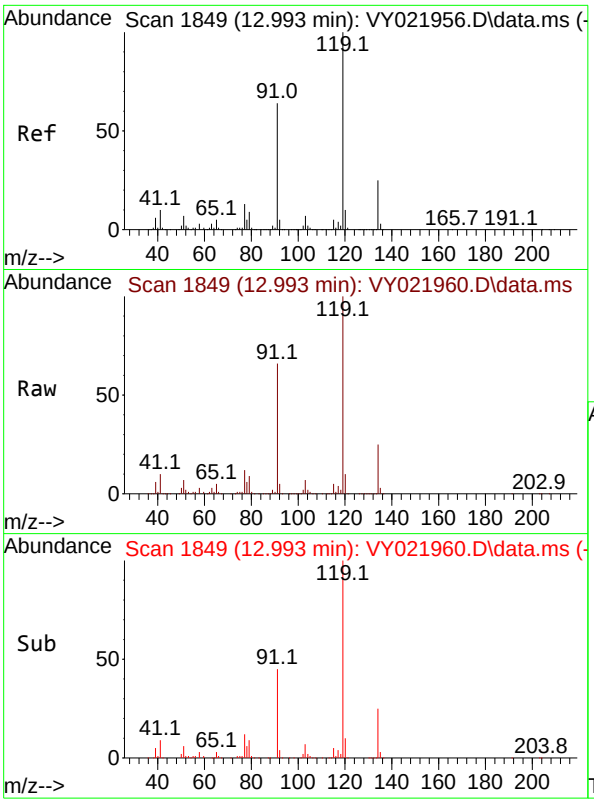


#82
4-Chlorotoluene
Concen: 48.406 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 91 Resp: 583487

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8





#83
tert-Butylbenzene
Concen: 51.499 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:119 Resp: 63715

Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.3	90.9
134	25.7	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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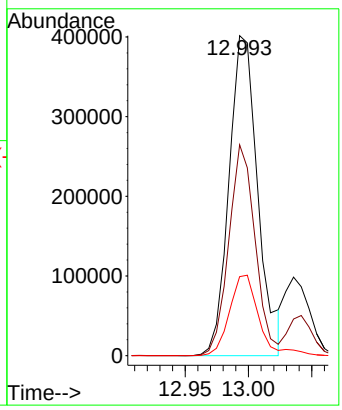
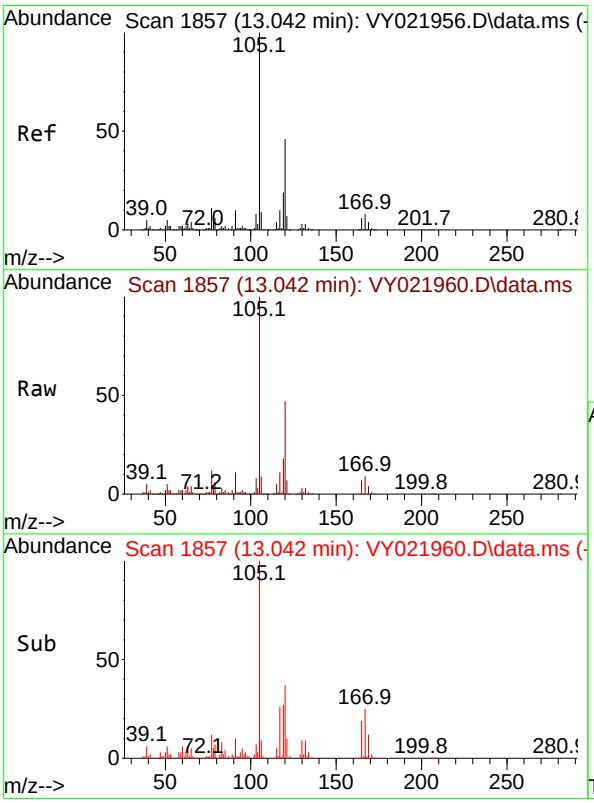
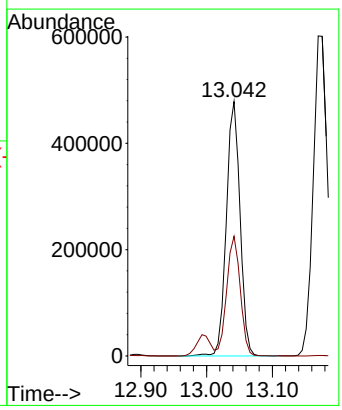


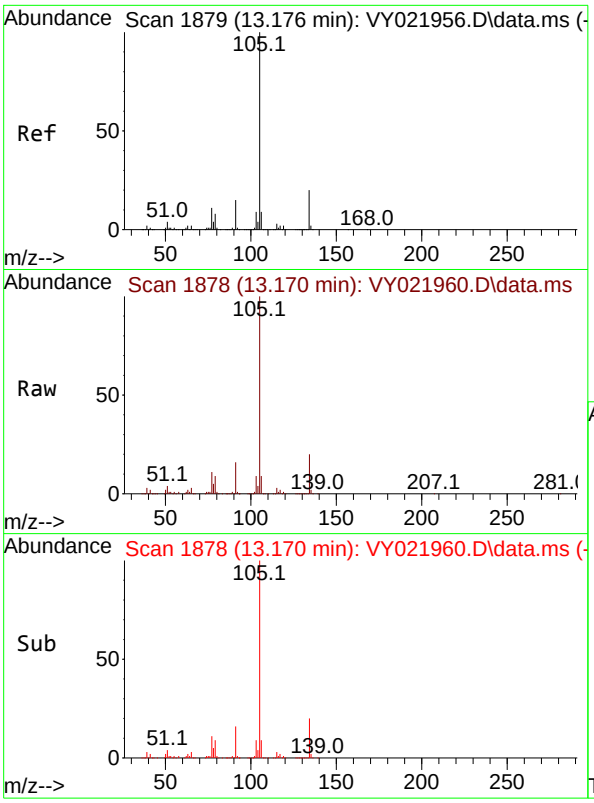


#84
1,2,4-Trimethylbenzene
Concen: 50.285 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:105 Resp: 693849

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0





#85
sec-Butylbenzene
Concen: 50.397 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:105 Resp: 91239

Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

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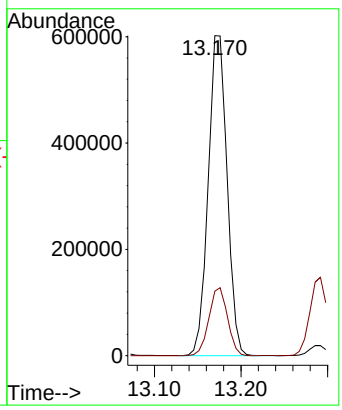
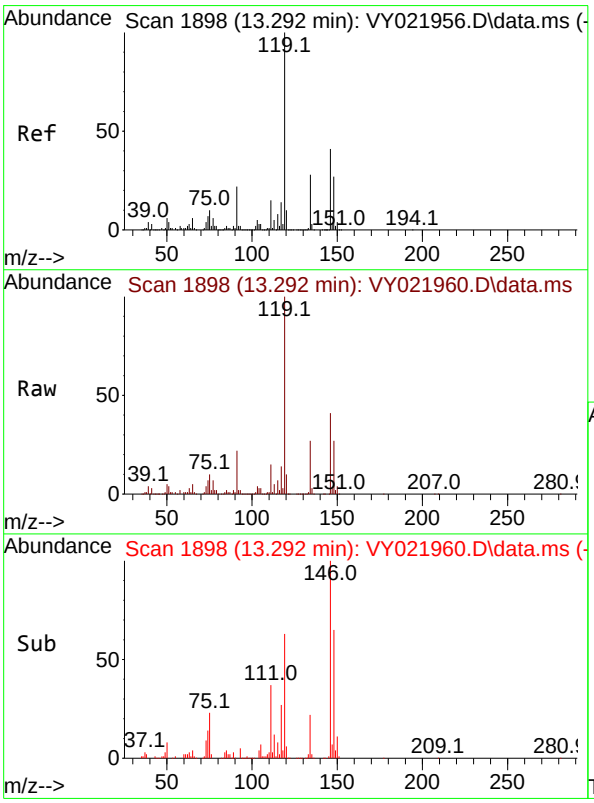
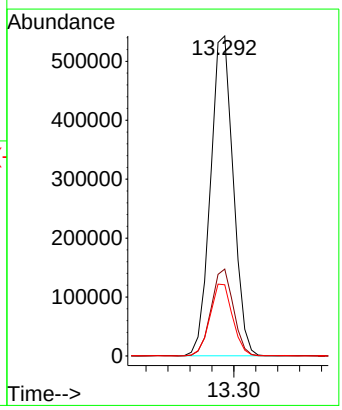


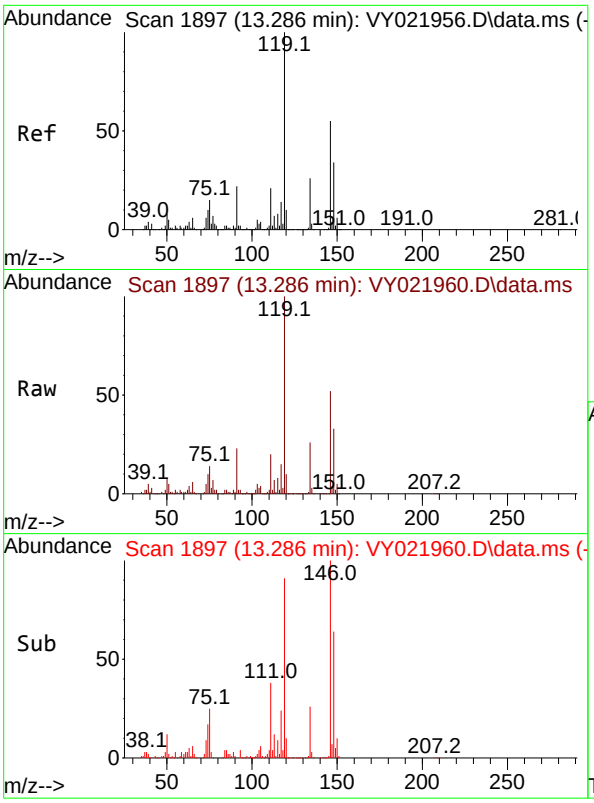


#86
p-Isopropyltoluene
Concen: 50.831 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:119 Resp: 781445

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	22.3	11.0	33.0

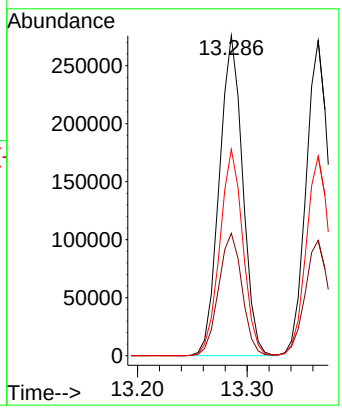




#87
1,3-Dichlorobenzene
Concen: 47.528 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:146 Resp: 40839

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.8	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
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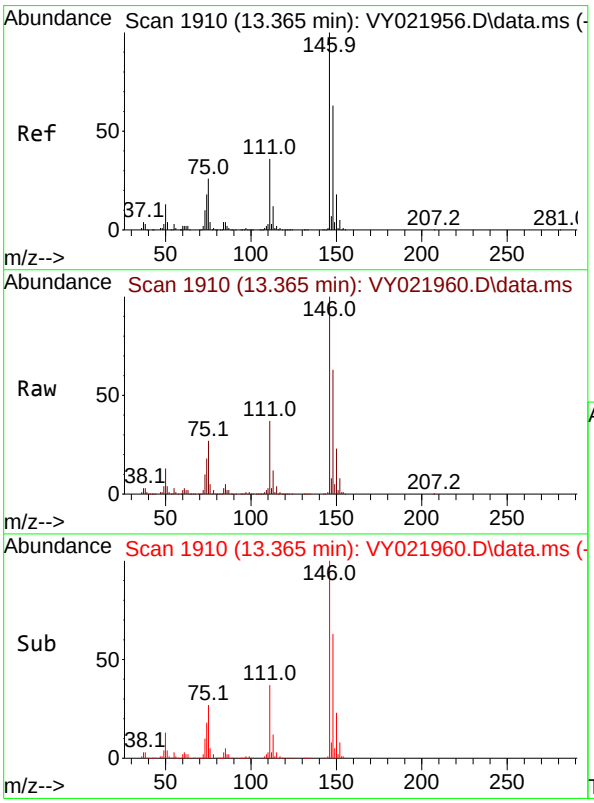
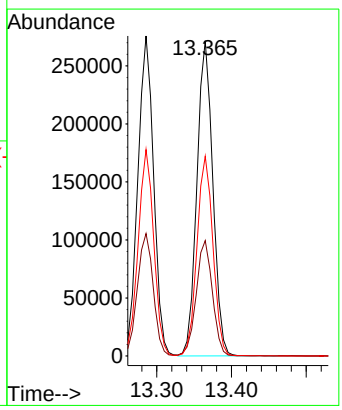
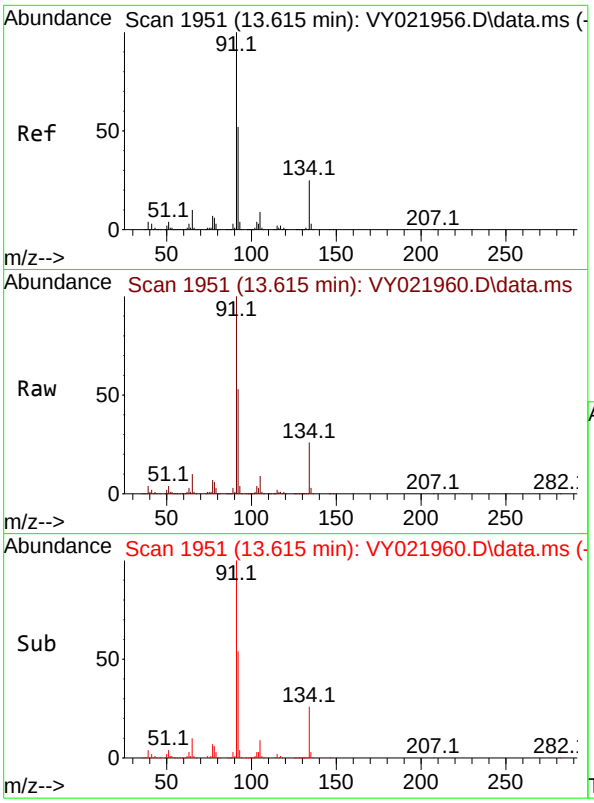


#88
1,4-Dichlorobenzene
Concen: 47.202 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:146 Resp: 401694

Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.2	57.6
148	63.8	32.0	96.0

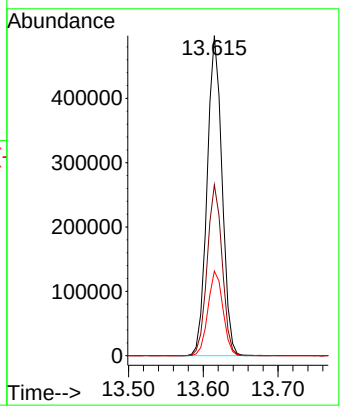




#89
n-Butylbenzene
Concen: 50.209 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 91 Resp: 68993

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.5
134	26.6	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
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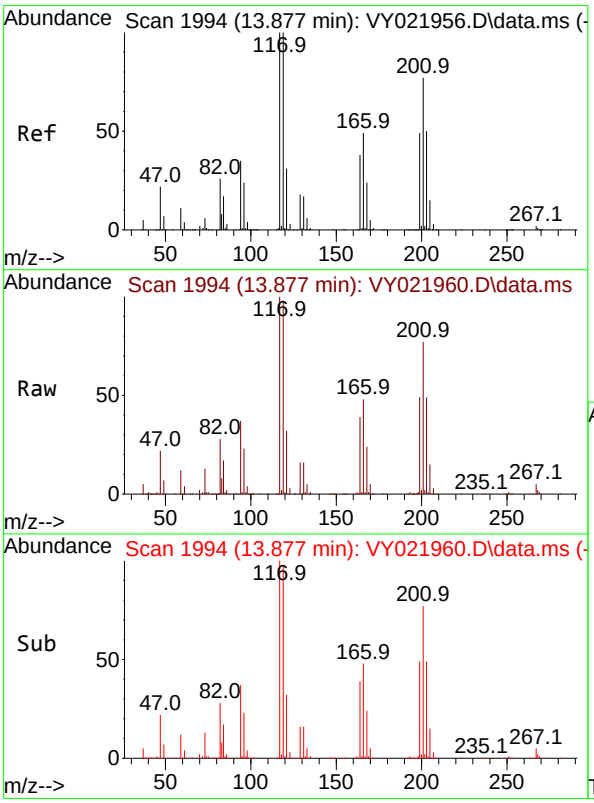
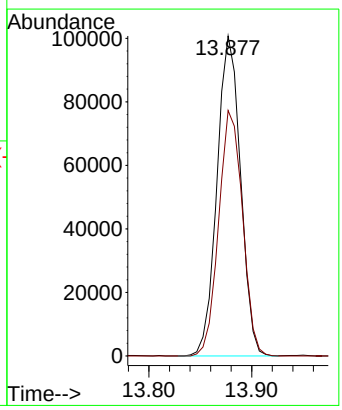
Supervised By :Mahesh Dadoda 04/23/2025

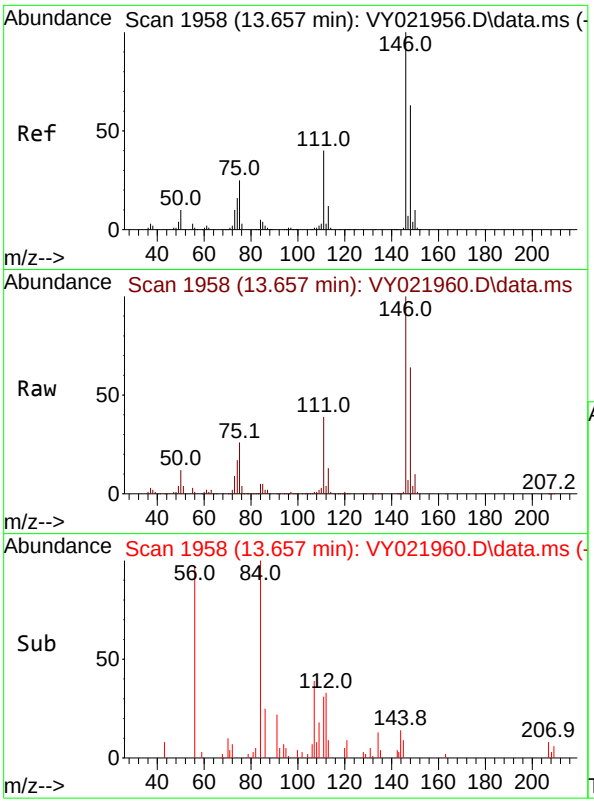


#90
Hexachloroethane
Concen: 47.410 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:117 Resp: 160136

Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.7	116.1

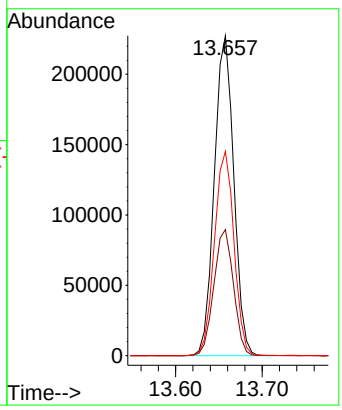




#91
1,2-Dichlorobenzene
Concen: 47.337 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:146 Resp: 35476

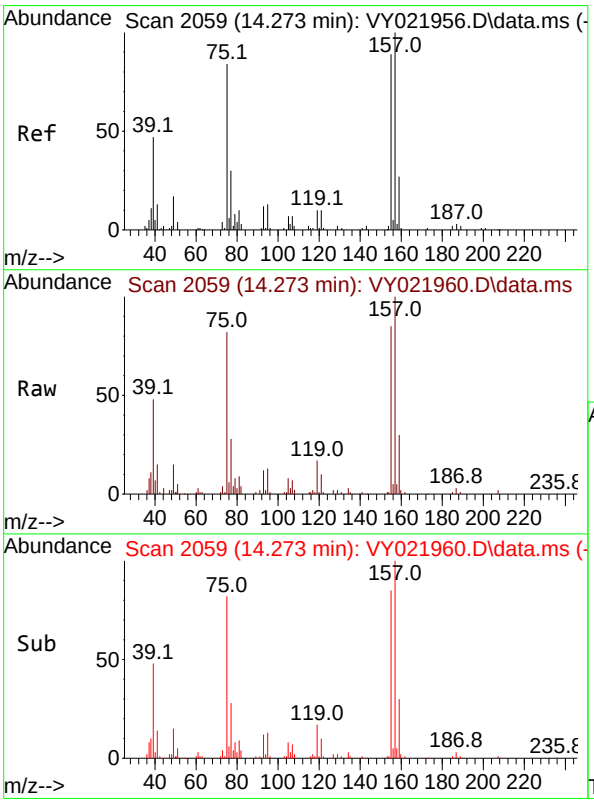
Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
APPROVED

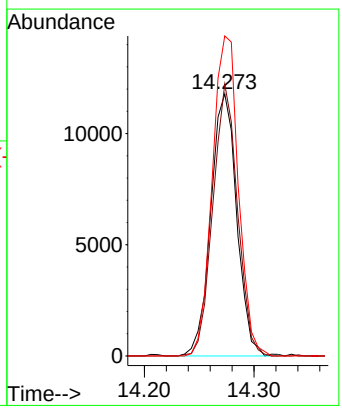
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

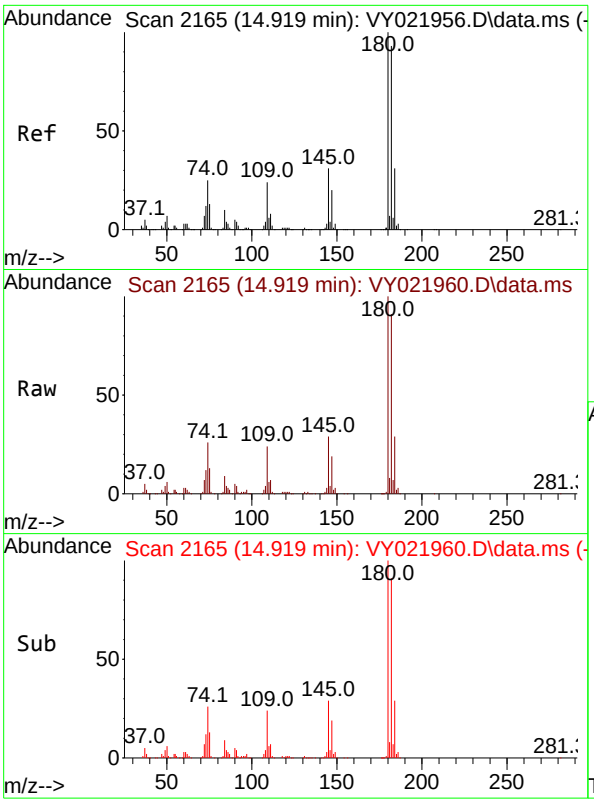


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.151 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 19379

Ion	Ratio	Lower	Upper
75	100		
155	98.3	50.7	152.3
157	122.9	62.6	187.8

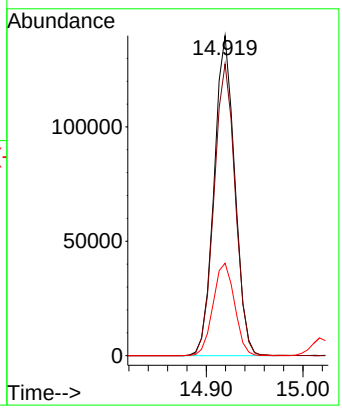




#93
1,2,4-Trichlorobenzene
Concen: 48.811 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:180 Resp: 20729

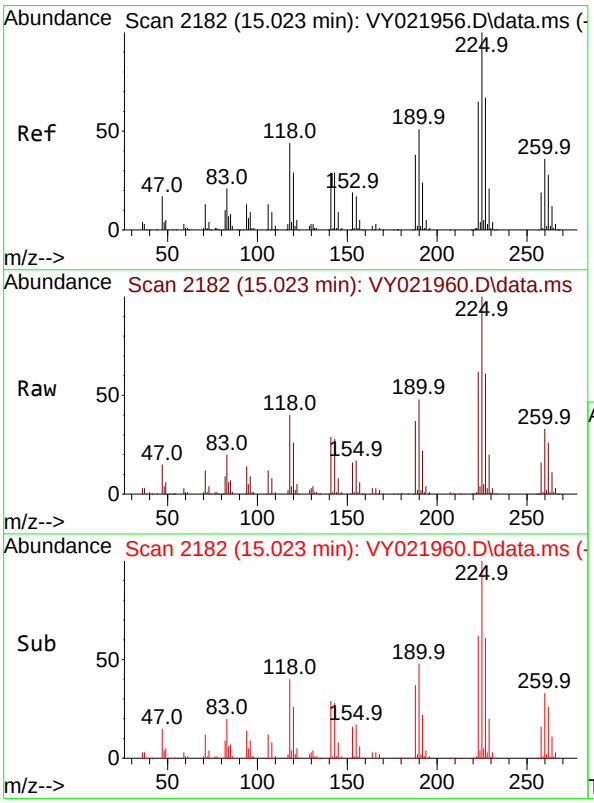
Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.4
145	30.1	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
APPROVED

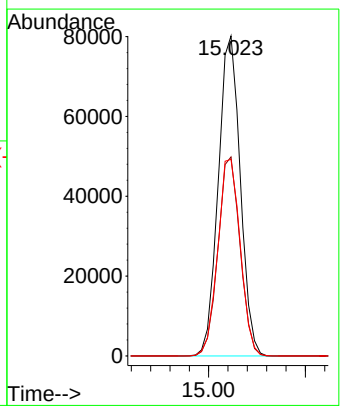
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

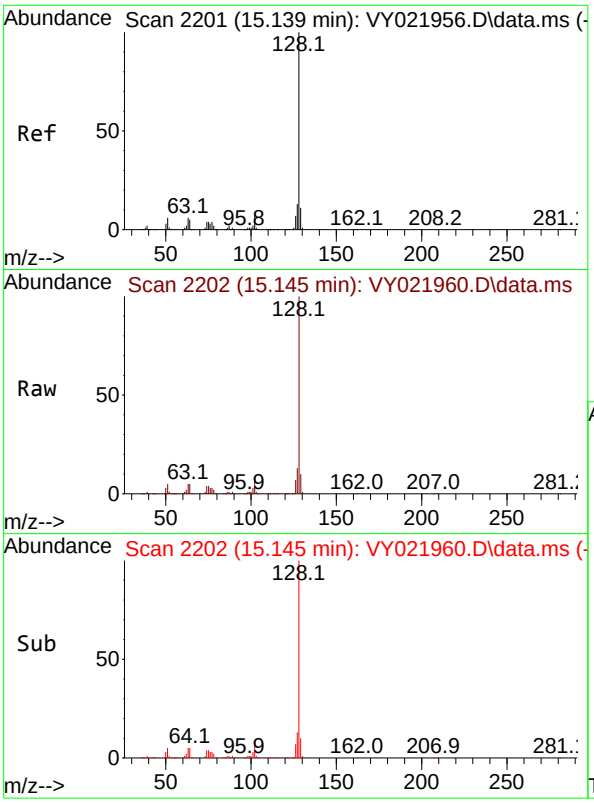


#94
Hexachlorobutadiene
Concen: 48.376 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:225 Resp: 126404

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	62.9	32.3	96.9

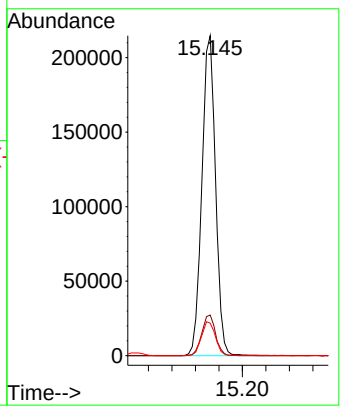




#95
Naphthalene
Concen: 48.975 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:128 Resp: 34551

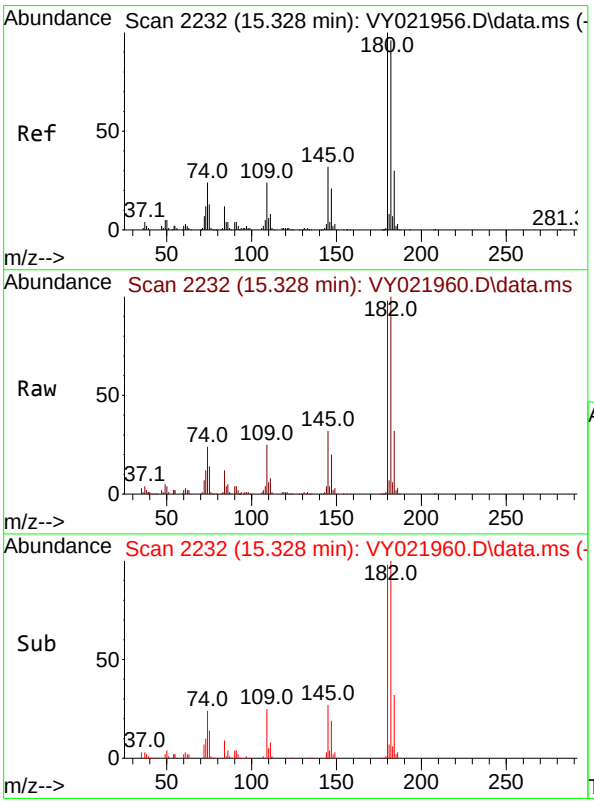
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Manual Integrations
APPROVED

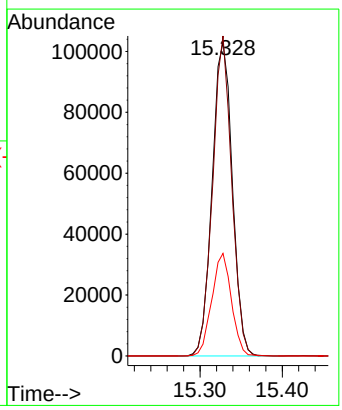
Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.914 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:180 Resp: 175651

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.4
145	31.8	16.0	48.0



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2	T	Dichlorodifluoromethane	0.426	0.395	7.3	104	0.00
3	P	Chloromethane	0.607	0.551	9.2	95	0.00
4	C	Vinyl Chloride	0.745	0.677	9.1#	96	0.00
5	T	Bromomethane	0.642	0.532	17.1	92	0.00
6	T	Chloroethane	0.508	0.450	11.4	94	0.00
7	T	Trichlorofluoromethane	0.983	0.907	7.7	98	0.00
8	T	Diethyl Ether	0.256	0.235	8.2	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.492	7.7	104	0.00
10	T	Methyl Iodide	0.617	0.557	9.7	91	0.00
11	T	Tert butyl alcohol	0.025	0.023	8.0	91	0.00
12	CM	1,1-Dichloroethene	0.497	0.479	3.6#	105	0.00
13	T	Acrolein	0.046	0.041	10.9	101	0.00
14	T	Allyl chloride	0.579	0.549	5.2	102	0.00
15	T	Acrylonitrile	0.094	0.085	9.6	94	0.00
16	T	Acetone	0.070	0.056	20.0	92	0.00
17	T	Carbon Disulfide	1.585	1.488	6.1	103	0.00
18	T	Methyl Acetate	0.216	0.211	2.3	98	0.00
19	T	Methyl tert-butyl Ether	1.113	1.066	4.2	97	0.00
20	T	Methylene Chloride	0.584	0.527	9.8	102	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.528	5.2	103	0.00
22	T	Diisopropyl ether	1.288	1.243	3.5	100	0.00
23	T	Vinyl Acetate	0.694	0.666	4.0	96	0.00
24	P	1,1-Dichloroethane	0.893	0.829	7.2	100	0.00
25	T	2-Butanone	0.105	0.093	11.4	91	0.00
26	T	2,2-Dichloropropane	0.782	0.725	7.3	101	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.595	4.3	100	0.00
28	T	Bromochloromethane	0.347	0.336	3.2	101	0.00
29	T	Tetrahydrofuran	0.068	0.063	7.4	89	0.00
30	C	Chloroform	0.990	0.924	6.7#	100	0.00
31	T	Cyclohexane	0.763	0.711	6.8	104	0.00
32	T	1,1,1-Trichloroethane	0.896	0.842	6.0	102	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.445	3.7	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35	S	Dibromofluoromethane	0.330	0.324	1.8	101	0.00
36	T	1,1-Dichloropropene	0.444	0.425	4.3	103	0.00
37	T	Ethyl Acetate	0.159	0.147	7.5	93	0.00
38	T	Carbon Tetrachloride	0.530	0.505	4.7	102	0.00
39	T	Methylcyclohexane	0.558	0.553	0.9	103	0.00
40	TM	Benzene	1.387	1.323	4.6	101	0.00
41	T	Methacrylonitrile	0.087	0.076	12.6	84	0.00
42	TM	1,2-Dichloroethane	0.343	0.319	7.0	98	0.00
43	T	Isopropyl Acetate	0.306	0.285	6.9	94	0.00
44	TM	Trichloroethene	0.384	0.361	6.0	101	0.00
45	C	1,2-Dichloropropane	0.307	0.290	5.5#	99	0.00
46	T	Dibromomethane	0.192	0.179	6.8	98	0.00
47	T	Bromodichloromethane	0.480	0.460	4.2	100	0.00
48	T	Methyl methacrylate	0.141	0.139	1.4	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	98	-0.01
50	S	Toluene-d8	1.245	1.259	-1.1	101	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.153	4.4	91	0.00
52	CM	Toluene	0.898	0.876	2.4#	101	0.00
53	T	t-1,3-Dichloropropene	0.411	0.394	4.1	97	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.471	3.7	100	0.00
55	T	1,1,2-Trichloroethane	0.256	0.243	5.1	97	0.00
56	T	Ethyl methacrylate	0.293	0.294	-0.3	95	0.00
57	T	1,3-Dichloropropane	0.411	0.387	5.8	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.146	-2.1	93	0.00
59	T	2-Hexanone	0.106	0.101	4.7	90	0.00
60	T	Dibromochloromethane	0.355	0.333	6.2	97	0.00
61	T	1,2-Dibromoethane	0.242	0.229	5.4	97	0.00
62	S	4-Bromofluorobenzene	0.419	0.429	-2.4	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.472	0.439	7.0	98	0.00
65	PM	Chlorobenzene	1.118	1.067	4.6	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.380	3.6	100	0.00
67	C	Ethyl Benzene	1.829	1.834	-0.3#	102	0.00
68	T	m/p-Xylenes	0.728	0.736	-1.1	102	0.00
69	T	o-Xylene	0.671	0.684	-1.9	101	0.00
70	T	Styrene	1.126	1.160	-3.0	101	0.00
71	P	Bromoform	0.229	0.219	4.4	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73	T	Isopropylbenzene	3.341	3.325	0.5	102	0.00
74	T	N-amyl acetate	0.574	0.531	7.5	92	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.519	7.8	96	0.00
76	T	1,2,3-Trichloropropane	0.428	0.370	13.6	93	0.00
77	T	Bromobenzene	0.844	0.806	4.5	99	0.00
78	T	n-propylbenzene	3.978	3.971	0.2	102	0.00
79	T	2-Chlorotoluene	2.314	2.237	3.3	100	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.760	-0.3	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.158	11.2	91	0.00
82	T	4-Chlorotoluene	2.405	2.328	3.2	100	0.00
83	T	tert-Butylbenzene	2.468	2.542	-3.0	104	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.769	-0.6	101	0.00
85	T	sec-Butylbenzene	3.612	3.641	-0.8	103	0.00
86	T	p-Isopropyltoluene	3.067	3.118	-1.7	103	0.00
87	T	1,3-Dichlorobenzene	1.714	1.630	4.9	101	0.00
88	T	1,4-Dichlorobenzene	1.698	1.603	5.6	101	0.00
89	T	n-Butylbenzene	2.742	2.753	-0.4	102	0.00
90	T	Hexachloroethane	0.674	0.639	5.2	102	0.00
91	T	1,2-Dichlorobenzene	1.495	1.416	5.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.077	14.4	94	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.827	2.4	102	0.00
94	T	Hexachlorobutadiene	0.521	0.504	3.3	107	0.00
95	T	Naphthalene	1.408	1.379	2.1	98	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.701	4.1	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2	T	Dichlorodifluoromethane	50.000	46.375	7.2	104	0.00
3	P	Chloromethane	50.000	45.440	9.1	95	0.00
4	C	Vinyl Chloride	50.000	45.432	9.1#	96	0.00
5	T	Bromomethane	50.000	41.389	17.2	92	0.00
6	T	Chloroethane	50.000	44.363	11.3	94	0.00
7	T	Trichlorofluoromethane	50.000	46.128	7.7	98	0.00
8	T	Diethyl Ether	50.000	45.910	8.2	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.166	7.7	104	0.00
10	T	Methyl Iodide	50.000	45.123	9.8	91	0.00
11	T	Tert butyl alcohol	250.000	226.751	9.3	91	0.00
12	CM	1,1-Dichloroethene	50.000	48.182	3.6#	105	0.00
13	T	Acrolein	250.000	227.366	9.1	101	0.00
14	T	Allyl chloride	50.000	47.458	5.1	102	0.00
15	T	Acrylonitrile	250.000	226.587	9.4	94	0.00
16	T	Acetone	250.000	231.130	7.5	92	0.00
17	T	Carbon Disulfide	50.000	46.938	6.1	103	0.00
18	T	Methyl Acetate	50.000	48.904	2.2	98	0.00
19	T	Methyl tert-butyl Ether	50.000	47.891	4.2	97	0.00
20	T	Methylene Chloride	50.000	45.147	9.7	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.430	5.1	103	0.00
22	T	Diisopropyl ether	50.000	48.273	3.5	100	0.00
23	T	Vinyl Acetate	250.000	239.824	4.1	96	0.00
24	P	1,1-Dichloroethane	50.000	46.404	7.2	100	0.00
25	T	2-Butanone	250.000	220.139	11.9	91	0.00
26	T	2,2-Dichloropropane	50.000	46.334	7.3	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.795	4.4	100	0.00
28	T	Bromochloromethane	50.000	48.457	3.1	101	0.00
29	T	Tetrahydrofuran	250.000	229.194	8.3	89	0.00
30	C	Chloroform	50.000	46.643	6.7#	100	0.00
31	T	Cyclohexane	50.000	46.548	6.9	104	0.00
32	T	1,1,1-Trichloroethane	50.000	47.007	6.0	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.224	3.6	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35	S	Dibromofluoromethane	50.000	48.989	2.0	101	0.00
36	T	1,1-Dichloropropene	50.000	47.914	4.2	103	0.00
37	T	Ethyl Acetate	50.000	46.092	7.8	93	0.00
38	T	Carbon Tetrachloride	50.000	47.630	4.7	102	0.00
39	T	Methylcyclohexane	50.000	49.486	1.0	103	0.00
40	TM	Benzene	50.000	47.692	4.6	101	0.00
41	T	Methacrylonitrile	50.000	43.342	13.3	84	0.00
42	TM	1,2-Dichloroethane	50.000	46.472	7.1	98	0.00
43	T	Isopropyl Acetate	50.000	46.545	6.9	94	0.00
44	TM	Trichloroethene	50.000	47.027	5.9	101	0.00
45	C	1,2-Dichloropropane	50.000	47.326	5.3#	99	0.00
46	T	Dibromomethane	50.000	46.578	6.8	98	0.00
47	T	Bromodichloromethane	50.000	47.955	4.1	100	0.00
48	T	Methyl methacrylate	50.000	49.090	1.8	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	951.409	4.9	98	-0.01
50	S	Toluene-d8	50.000	50.539	-1.1	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	237.972	4.8	91	0.00
52	CM	Toluene	50.000	48.774	2.5#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	47.893	4.2	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.122	3.8	100	0.00
55	T	1,1,2-Trichloroethane	50.000	47.403	5.2	97	0.00
56	T	Ethyl methacrylate	50.000	50.188	-0.4	95	0.00
57	T	1,3-Dichloropropane	50.000	47.024	6.0	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	253.928	-1.6	93	0.00
59	T	2-Hexanone	250.000	238.340	4.7	90	0.00
60	T	Dibromochloromethane	50.000	46.882	6.2	97	0.00
61	T	1,2-Dibromoethane	50.000	47.188	5.6	97	0.00
62	S	4-Bromofluorobenzene	50.000	51.198	-2.4	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	46.550	6.9	98	0.00
65	PM	Chlorobenzene	50.000	47.734	4.5	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.308	3.4	100	0.00
67	C	Ethyl Benzene	50.000	50.142	-0.3#	102	0.00
68	T	m/p-Xylenes	100.000	101.181	-1.2	102	0.00
69	T	o-Xylene	50.000	50.949	-1.9	101	0.00
70	T	Styrene	50.000	51.513	-3.0	101	0.00
71	P	Bromoform	50.000	47.821	4.4	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73	T	Isopropylbenzene	50.000	49.765	0.5	102	0.00
74	T	N-amyl acetate	50.000	46.264	7.5	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.078	7.8	96	0.00
76	T	1,2,3-Trichloropropane	50.000	43.169	13.7	93	0.00
77	T	Bromobenzene	50.000	47.741	4.5	99	0.00
78	T	n-propylbenzene	50.000	49.907	0.2	102	0.00
79	T	2-Chlorotoluene	50.000	48.351	3.3	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.131	-0.3	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.304	11.4	91	0.00
82	T	4-Chlorotoluene	50.000	48.406	3.2	100	0.00
83	T	tert-Butylbenzene	50.000	51.499	-3.0	104	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.285	-0.6	101	0.00
85	T	sec-Butylbenzene	50.000	50.397	-0.8	103	0.00
86	T	p-Isopropyltoluene	50.000	50.831	-1.7	103	0.00
87	T	1,3-Dichlorobenzene	50.000	47.528	4.9	101	0.00
88	T	1,4-Dichlorobenzene	50.000	47.202	5.6	101	0.00
89	T	n-Butylbenzene	50.000	50.209	-0.4	102	0.00
90	T	Hexachloroethane	50.000	47.410	5.2	102	0.00
91	T	1,2-Dichlorobenzene	50.000	47.337	5.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.151	13.7	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.811	2.4	102	0.00
94	T	Hexachlorobutadiene	50.000	48.376	3.2	107	0.00
95	T	Naphthalene	50.000	48.975	2.0	98	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	47.914	4.2	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022046.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 09:28

Lab File ID: VY022046.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.371		-12.91	20
Chloromethane	0.607	0.532	0.1	-12.36	20
Vinyl Chloride	0.745	0.666		-10.6	20
Bromomethane	0.642	0.514		-19.94	20
Chloroethane	0.508	0.429		-15.55	20
Tetrahydrofuran	0.068	0.063		-7.35	20
Trichlorofluoromethane	0.983	0.856		-12.92	20
1,1,2-Trichlorotrifluoroethane	0.533	0.466		-12.57	20
1,1-Dichloroethene	0.497	0.442		-11.07	20
Acrylonitrile	0.094	0.084		-10.64	20
Acetone	0.070	0.065		-7.14	20
Carbon Disulfide	1.585	1.366		-13.82	20
Methyl tert-butyl Ether	1.113	1.008		-9.43	20
Methylene Chloride	0.584	0.468		-19.86	20
trans-1,2-Dichloroethene	0.557	0.489		-12.21	20
1,1-Dichloroethane	0.893	0.776	0.1	-13.1	20
2-Butanone	0.105	0.098		-6.67	20
Carbon Tetrachloride	0.530	0.509		-3.96	20
2,2-Dichloropropane	0.782	0.709		-9.34	20
cis-1,2-Dichloroethene	0.622	0.558		-10.29	20
Chloroform	0.990	0.877		-11.41	20
1,1,1-Trichloroethane	0.896	0.789		-11.94	20
1,1-Dichloropropene	0.444	0.412		-7.21	20
Benzene	1.387	1.301		-6.2	20
1,2-Dichloroethane	0.343	0.319		-7	20
Trichloroethene	0.384	0.360		-6.25	20
1,2-Dichloropropane	0.307	0.287		-6.51	20
Dibromomethane	0.192	0.181		-5.73	20
Bromodichloromethane	0.480	0.457		-4.79	20
4-Methyl-2-Pentanone	0.160	0.161		0.63	20
Toluene	0.898	0.870		-3.12	20
t-1,3-Dichloropropene	0.411	0.393		-4.38	20
cis-1,3-Dichloropropene	0.489	0.462		-5.52	20
1,1,2-Trichloroethane	0.256	0.247		-3.52	20
1,3-Dichloropropane	0.411	0.395		-3.89	20
2-Hexanone	0.106	0.109		2.83	20
Dibromochloromethane	0.355	0.349		-1.69	20
1,2-Dibromoethane	0.242	0.236		-2.48	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022046.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 09:28

Lab File ID: VY022046.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.449		-4.87	20
Chlorobenzene	1.118	1.034	0.3	-7.51	20
1,1,1,2-Tetrachloroethane	0.394	0.367		-6.85	20
Ethyl Benzene	1.829	1.744		-4.65	20
m/p-Xylenes	0.728	0.712		-2.2	20
o-Xylene	0.671	0.649		-3.28	20
Styrene	1.126	1.110		-1.42	20
Bromoform	0.229	0.224	0.1	-2.18	20
Isopropylbenzene	3.341	3.152		-5.66	20
1,1,2,2-Tetrachloroethane	0.563	0.517	0.3	-8.17	20
1,2,3-Trichloropropane	0.428	0.403		-5.84	20
Bromobenzene	0.844	0.794		-5.92	20
n-propylbenzene	3.978	3.763		-5.41	20
2-Chlorotoluene	2.314	2.139		-7.56	20
1,3,5-Trimethylbenzene	2.752	2.633		-4.32	20
4-Chlorotoluene	2.405	2.260		-6.03	20
tert-Butylbenzene	2.469	2.334		-5.47	20
1,2,4-Trimethylbenzene	2.753	2.637		-4.21	20
sec-Butylbenzene	3.612	3.431		-5.01	20
p-Isopropyltoluene	3.067	2.964		-3.36	20
1,3-Dichlorobenzene	1.714	1.588		-7.35	20
1,4-Dichlorobenzene	1.698	1.573		-7.36	20
n-Butylbenzene	2.742	2.563		-6.53	20
1,2-Dichlorobenzene	1.495	1.376		-7.96	20
1,2-Dibromo-3-Chloropropane	0.090	0.080		-11.11	20
1,2,4-Trichlorobenzene	0.847	0.803		-5.2	20
Hexachlorobutadiene	0.521	0.484		-7.1	20
1,2,3-Trichlorobenzene	0.731	0.700		-4.24	20
1,2-Dichloroethane-d4	0.462	0.402		-12.99	20
Dibromofluoromethane	0.330	0.314		-4.85	20
Toluene-d8	1.245	1.202		-3.45	20
4-Bromofluorobenzene	0.419	0.404		-3.58	20
trans-1,4-Dichloro-2-butene	0.178	0.163		-8.43	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\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	330337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	453549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132828	43.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.060%		
35) Dibromofluoromethane	7.634	113	152279	47.486	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.980%		
50) Toluene-d8	10.109	98	583606	48.273	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.540%		
62) 4-Bromofluorobenzene	12.408	95	195893	48.133	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.260%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	122464	43.507	ug/l	99
3) Chloromethane	2.068	50	175705	43.839	ug/l	99
4) Vinyl Chloride	2.202	62	219850	44.638	ug/l	99
5) Bromomethane	2.598	94	169641	39.979	ug/l	95
6) Chloroethane	2.732	64	141865	42.293	ug/l	98
7) Trichlorofluoromethane	3.056	101	282628	43.517	ug/l	97
8) Diethyl Ether	3.452	74	71445	42.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	153834	43.664	ug/l	99
10) Methyl Iodide	4.001	142	189693	46.504	ug/l	100
11) Tert butyl alcohol	4.872	59	37456	223.602	ug/l	99
12) 1,1-Dichloroethene	3.787	96	145943	44.442	ug/l	98
13) Acrolein	3.653	56	70343	233.968	ug/l	98
14) Allyl chloride	4.385	41	165590	43.306	ug/l	99
15) Acrylonitrile	5.061	53	138019	223.027	ug/l	99
16) Acetone	3.873	43	107650	271.364	ug/l	93
17) Carbon Disulfide	4.104	76	451363	43.107	ug/l	99
18) Methyl Acetate	4.391	43	68974	48.392	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	333065	45.315	ug/l	97
20) Methylene Chloride	4.616	84	154498	40.043	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	161542	43.924	ug/l	98
22) Diisopropyl ether	6.019	45	382029	44.895	ug/l	99
23) Vinyl Acetate	5.958	43	1039804	226.736	ug/l	99
24) 1,1-Dichloroethane	5.915	63	256272	43.448	ug/l	99
25) 2-Butanone	6.896	43	161708	232.499	ug/l	99
26) 2,2-Dichloropropane	6.884	77	234207	45.304	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184250	44.805	ug/l	99
28) Bromochloromethane	7.244	49	106431	46.456	ug/l	97
29) Tetrahydrofuran	7.262	42	104861	232.133	ug/l	97
30) Chloroform	7.421	83	289823	44.298	ug/l	99
31) Cyclohexane	7.701	56	218435	43.306	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	260780	44.057	ug/l	99
36) 1,1-Dichloropropene	7.835	75	200053	46.442	ug/l	99
37) Ethyl Acetate	6.988	43	73636	47.597	ug/l	99
38) Carbon Tetrachloride	7.817	117	247130	48.012	ug/l	97
39) Methylcyclohexane	9.109	83	256540	47.325	ug/l	97
40) Benzene	8.079	78	631609	46.906	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	35008	41.395	ug/l	#	84
42) 1,2-Dichloroethane	8.158	62	154947	46.477	ug/l		99
43) Isopropyl Acetate	8.195	43	137822	46.389	ug/l	#	85
44) Trichloroethene	8.866	130	174874	46.887	ug/l		98
45) 1,2-Dichloropropane	9.140	63	139252	46.764	ug/l		99
46) Dibromomethane	9.231	93	87764	47.082	ug/l		99
47) Bromodichloromethane	9.426	83	221624	47.592	ug/l		99
48) Methyl methacrylate	9.219	41	67675	49.274	ug/l		98
49) 1,4-Dioxane	9.231	88	19815	997.336	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	390782	250.912	ug/l		100
52) Toluene	10.170	92	422459	48.468	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	190842	47.779	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	224035	47.184	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	119964	48.179	ug/l		97
56) Ethyl methacrylate	10.438	69	142098	49.904	ug/l		99
57) 1,3-Dichloropropane	10.719	76	191688	48.021	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	367778	264.171	ug/l		99
59) 2-Hexanone	10.762	43	264521	257.500	ug/l		100
60) Dibromochloromethane	10.914	129	169164	49.071	ug/l		100
61) 1,2-Dibromoethane	11.018	107	114653	48.774	ug/l		99
64) Tetrachloroethene	10.646	164	203863	47.647	ug/l		97
65) Chlorobenzene	11.444	112	468931	46.234	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	166562	46.647	ug/l		99
67) Ethyl Benzene	11.524	91	791052	47.678	ug/l		100
68) m/p-Xylenes	11.627	106	645425	97.760	ug/l		99
69) o-Xylene	11.956	106	294487	48.395	ug/l		98
70) Styrene	11.969	104	503254	49.256	ug/l		99
71) Bromoform	12.133	173	101395	48.842	ug/l	#	99
73) Isopropylbenzene	12.255	105	775025	47.173	ug/l		99
74) N-amyl acetate	12.072	43	128926	45.674	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	127155	45.905	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	99193m	47.092	ug/l		
77) Bromobenzene	12.536	156	195202	47.020	ug/l		98
78) n-propylbenzene	12.597	91	925377	47.296	ug/l		100
79) 2-Chlorotoluene	12.682	91	525989	46.226	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	647472	47.830	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	40197	45.956	ug/l		99
82) 4-Chlorotoluene	12.779	91	555774	46.986	ug/l		100
83) tert-Butylbenzene	12.999	119	573871	47.269	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	648390	47.887	ug/l		99
85) sec-Butylbenzene	13.176	105	843779	47.496	ug/l		100
86) p-Isopropyltoluene	13.292	119	728842	48.314	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	390607	46.325	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	386869	46.327	ug/l		98
89) n-Butylbenzene	13.621	91	630349	46.748	ug/l		99
90) Hexachloroethane	13.883	117	150746	45.482	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	338387	46.013	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19628	44.539	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	197372	47.361	ug/l		99
94) Hexachlorobutadiene	15.023	225	118961	46.396	ug/l		99
95) Naphthalene	15.145	128	337462	48.746	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	172242	47.880	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

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\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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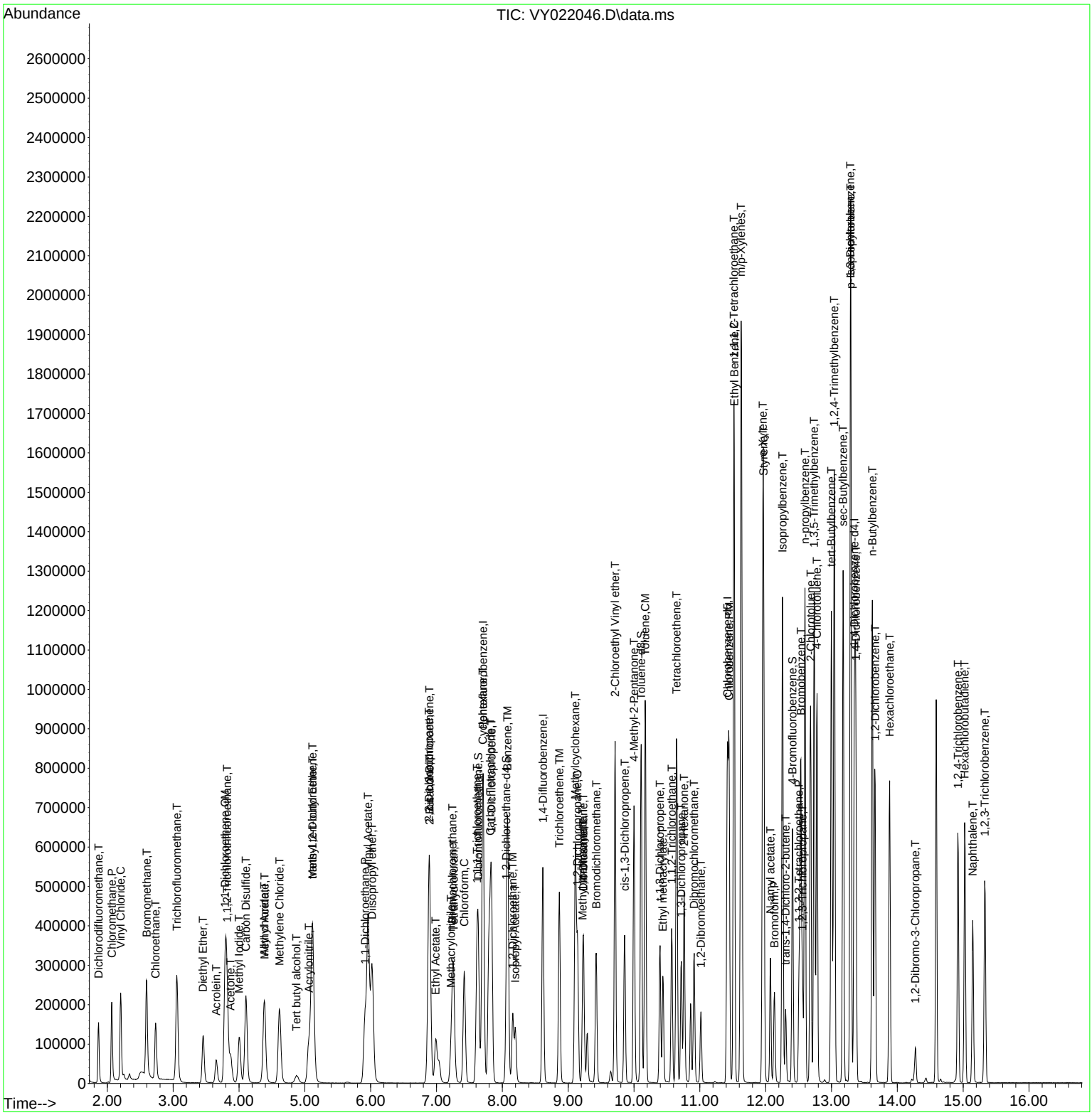
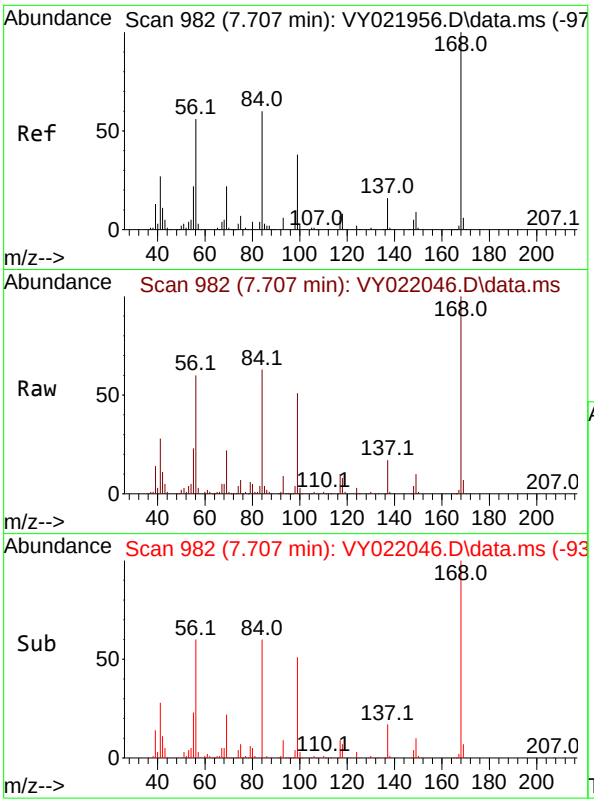
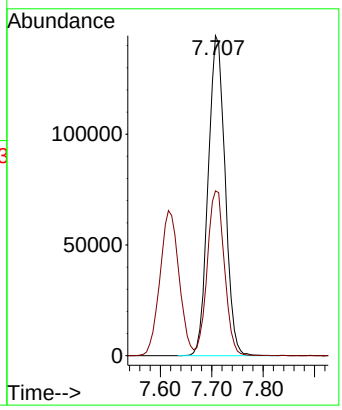




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:168 Resp: 33033

Ion	Ratio	Lower	Upper
168	100		
99	51.4	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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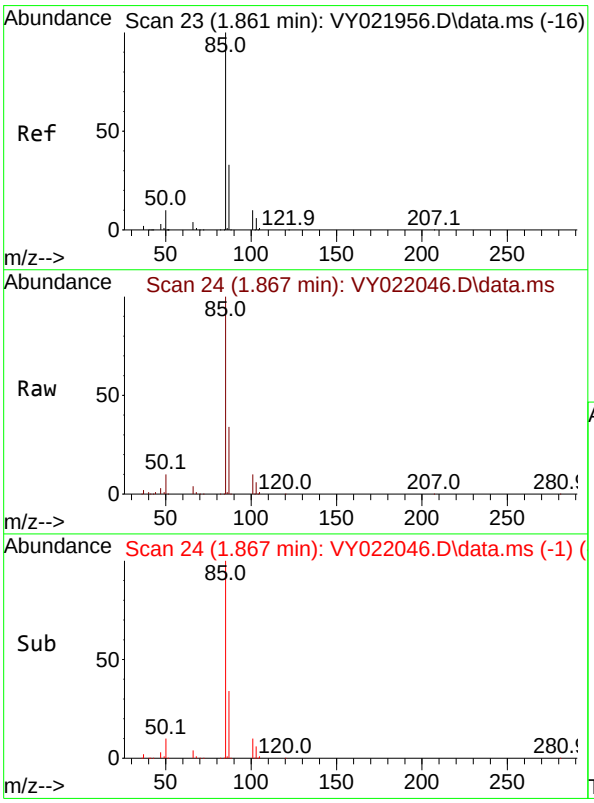
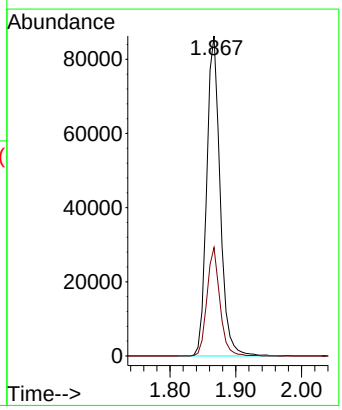
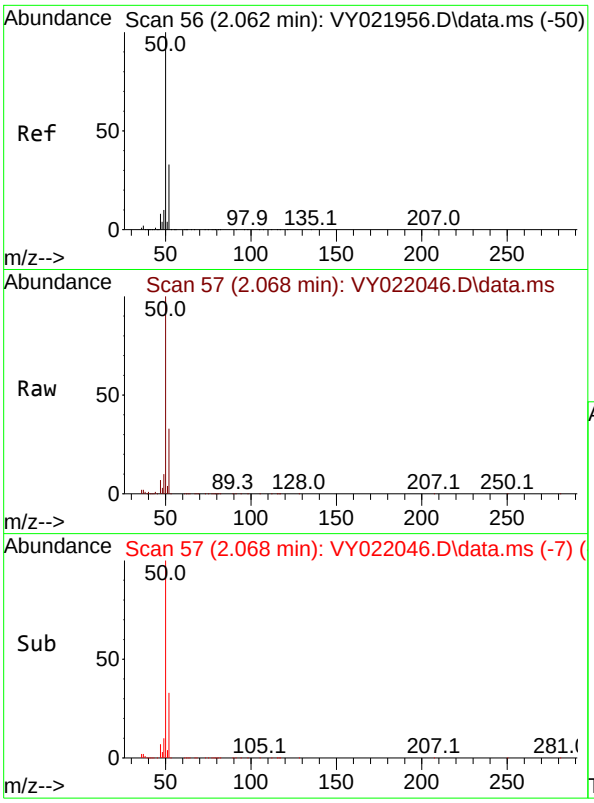


#2
Dichlorodifluoromethane
Concen: 43.507 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 85 Resp: 122464

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.7

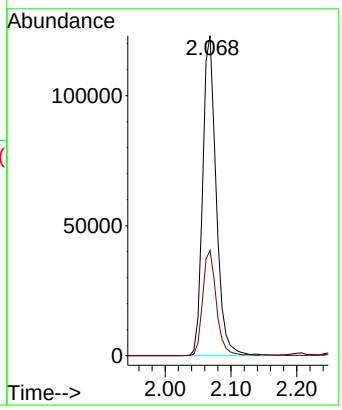




#3
Chloromethane
Concen: 43.839 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 50 Resp: 17570

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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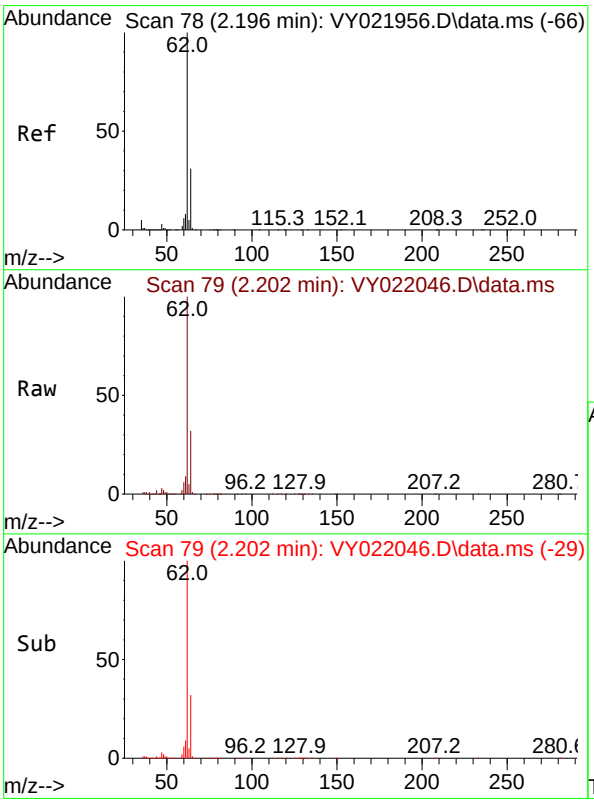
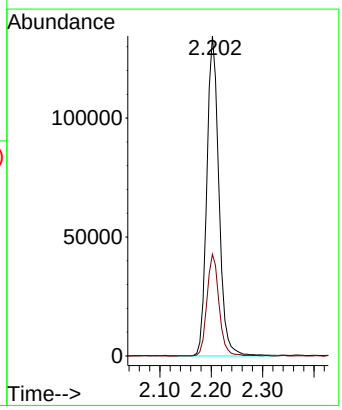
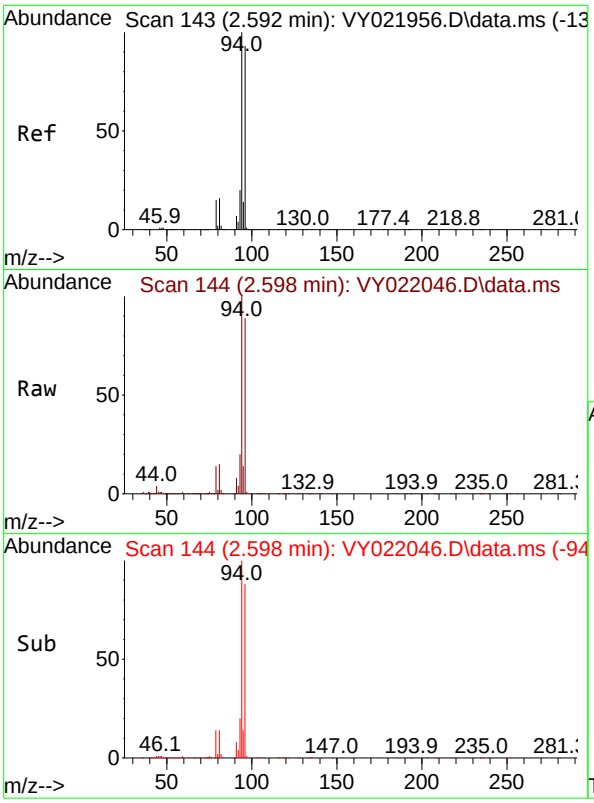


#4
Vinyl Chloride
Concen: 44.638 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 62 Resp: 219850

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.1	37.7





#5
Bromomethane
Concen: 39.979 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 94 Resp: 16964

Ion	Ratio	Lower	Upper
94	100		
96	88.5	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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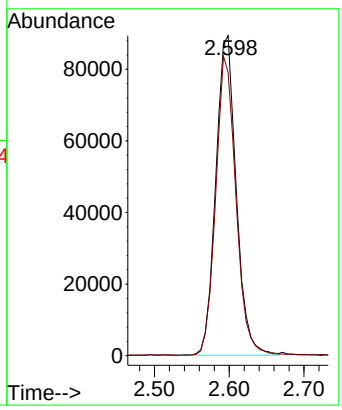
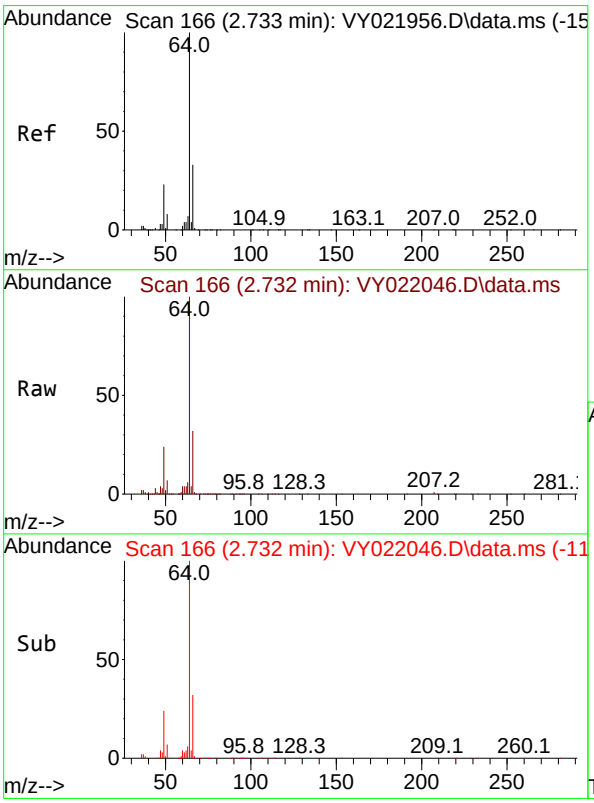
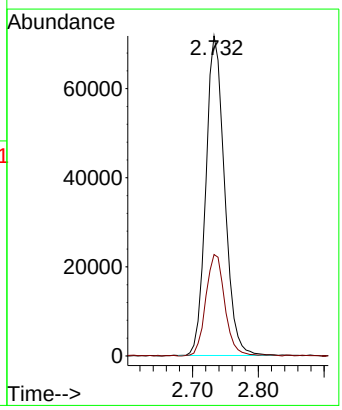


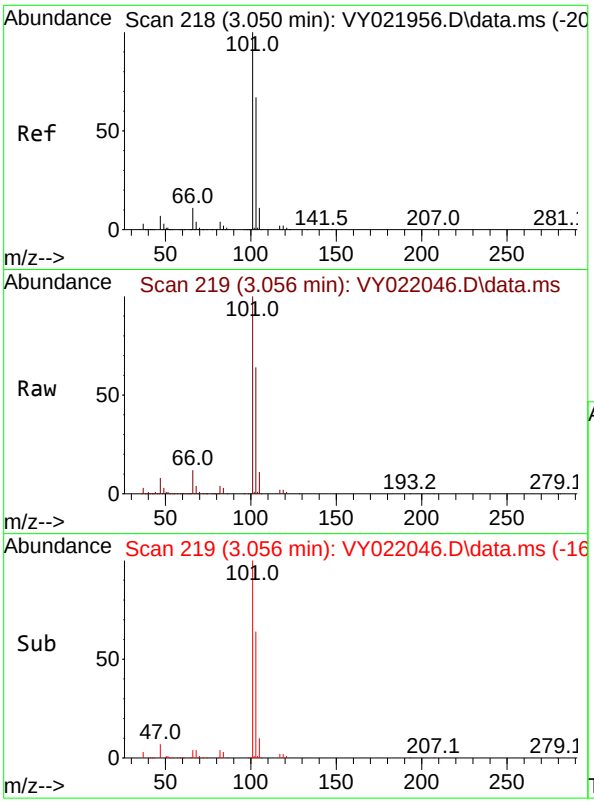


#6
Chloroethane
Concen: 42.293 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 64 Resp: 141865

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.2	39.4

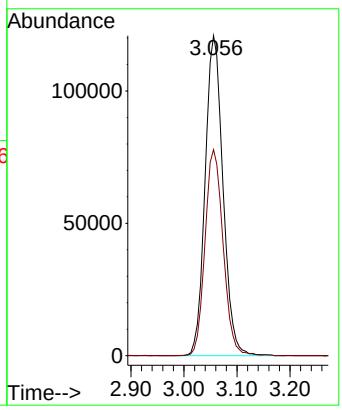




#7
Trichlorofluoromethane
Concen: 43.517 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:101 Resp: 28262

Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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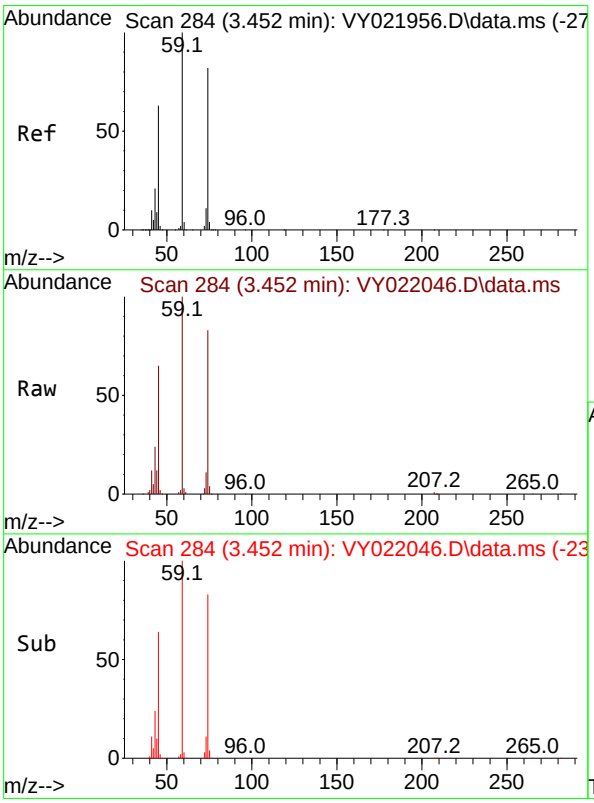
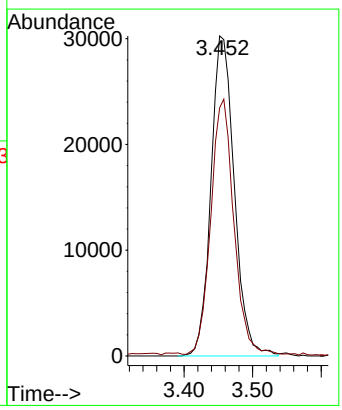
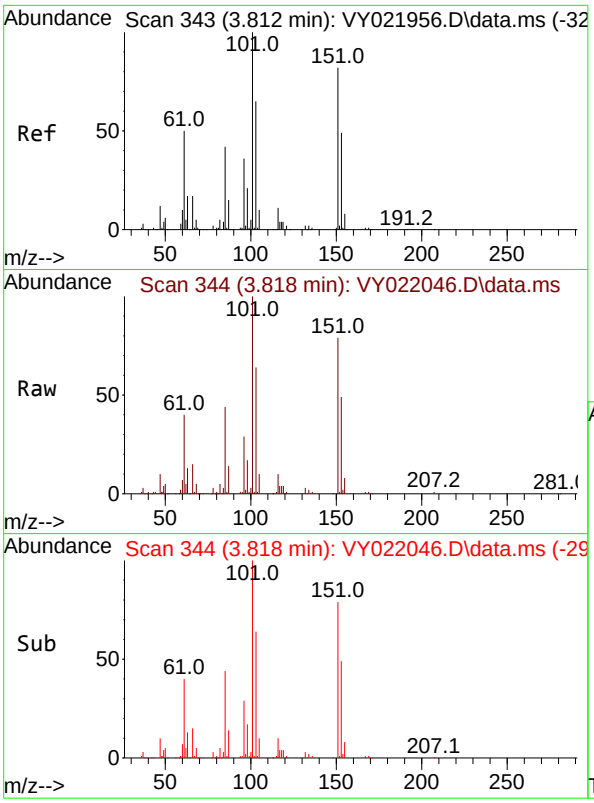


#8
Diethyl Ether
Concen: 42.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 74 Resp: 71445

Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.664 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:101 Resp: 153834

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.6	51.8
151	81.2	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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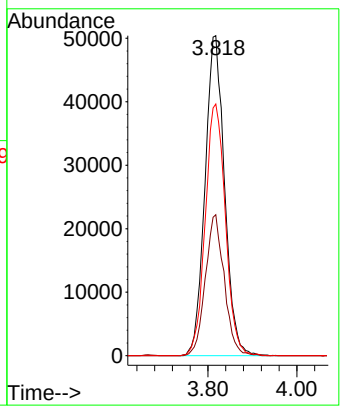
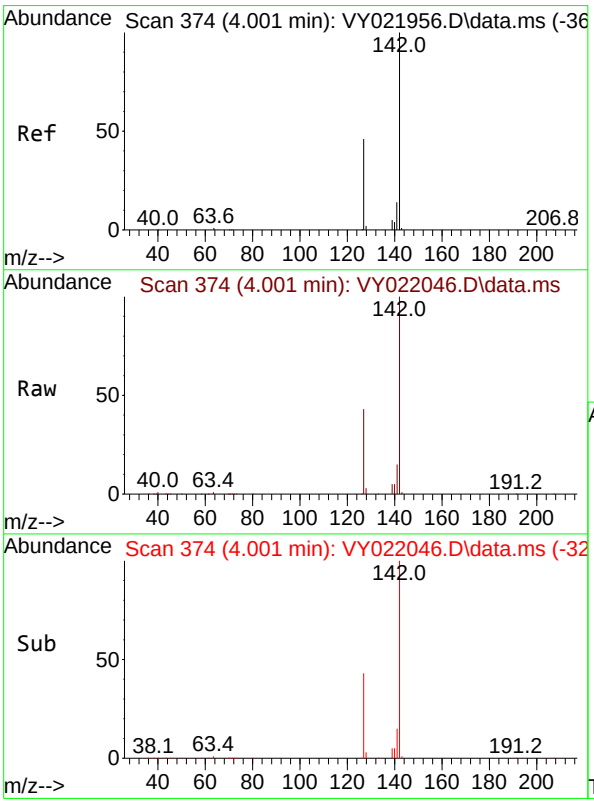
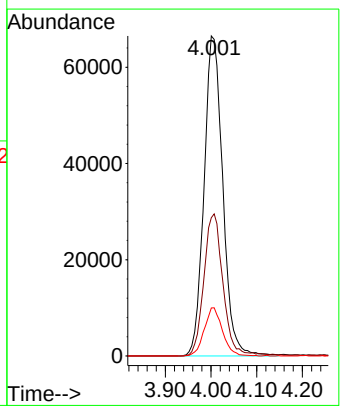


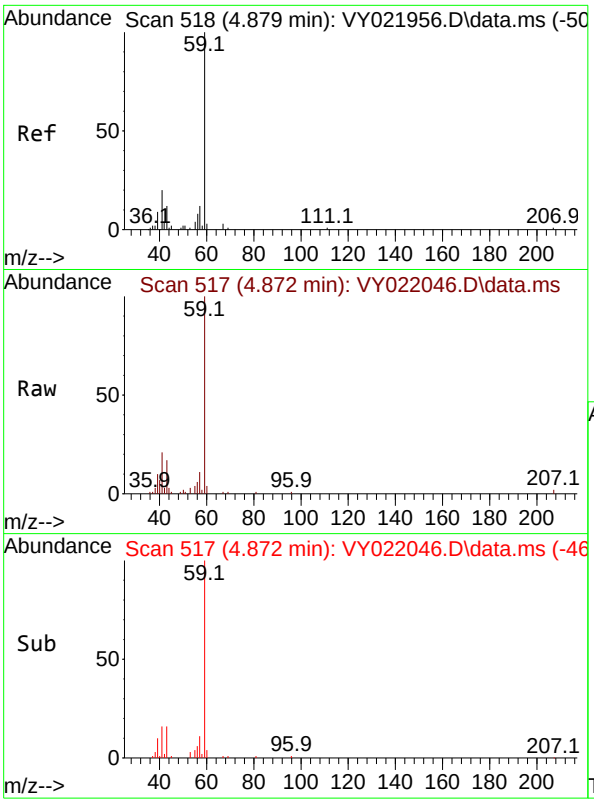


#10
Methyl Iodide
Concen: 46.504 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:142 Resp: 189693

Ion	Ratio	Lower	Upper
142	100		
127	45.2	36.2	54.2
141	14.6	11.7	17.5





#11
Tert butyl alcohol
Concen: 223.602 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 59 Resp: 3745

Ion	Ratio	Lower	Upper
59	100		
57	12.0	9.3	13.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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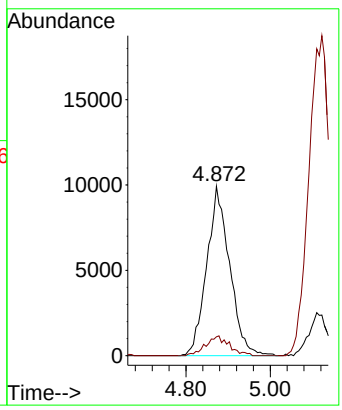
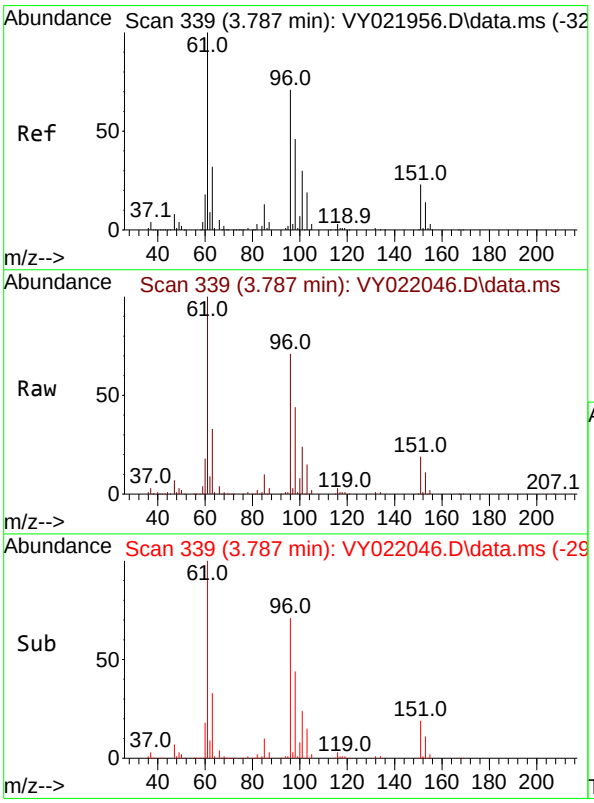
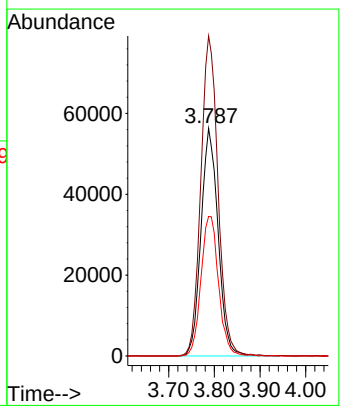


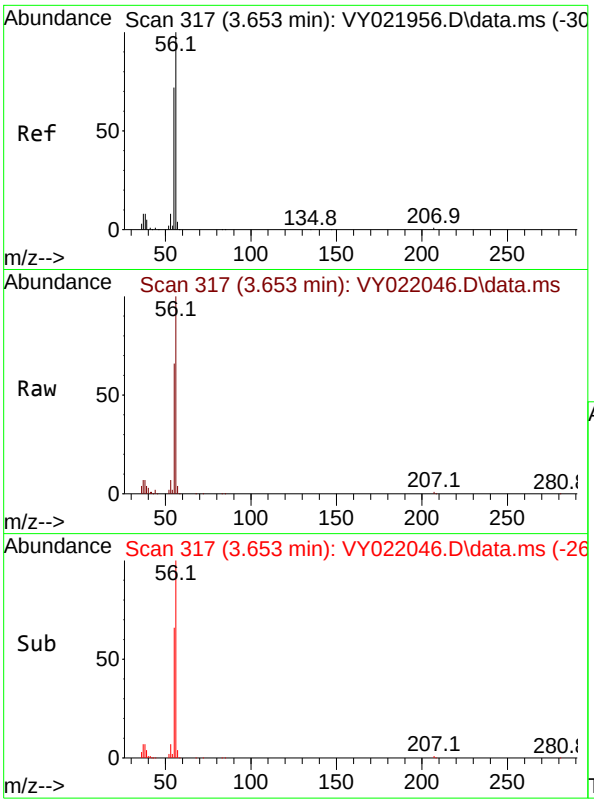


#12
1,1-Dichloroethene
Concen: 44.442 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 96 Resp: 145943

Ion	Ratio	Lower	Upper
96	100		
61	140.5	113.0	169.4
98	61.2	51.4	77.2

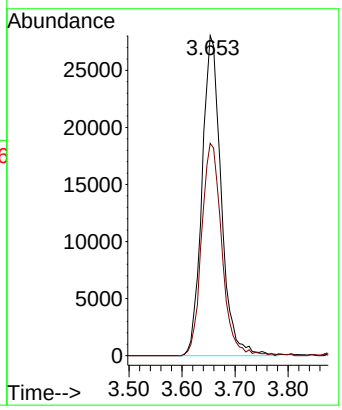




#13
Acrolein
Concen: 233.968 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 56 Resp: 7034

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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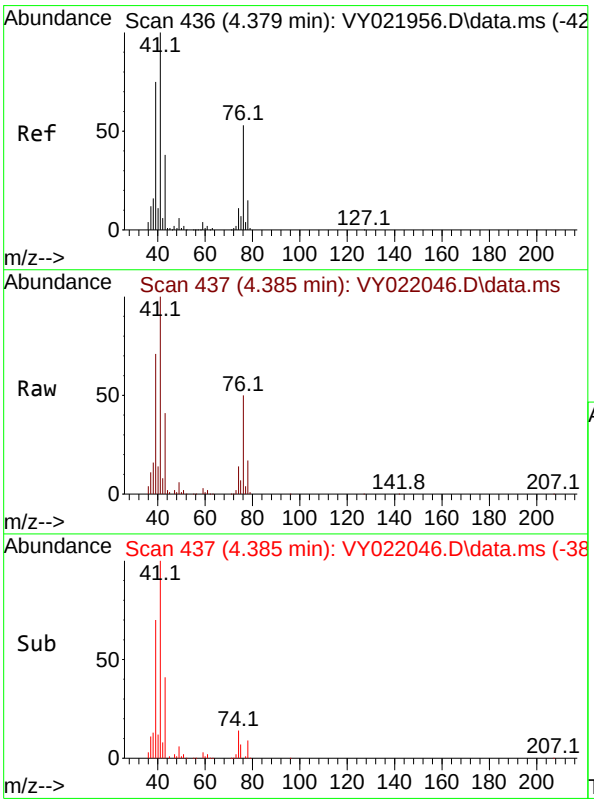
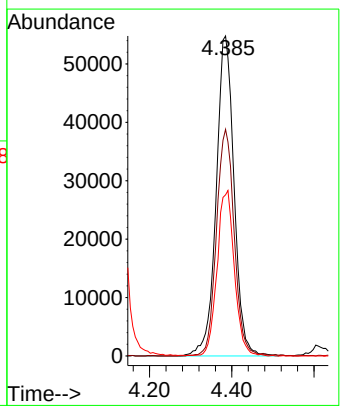
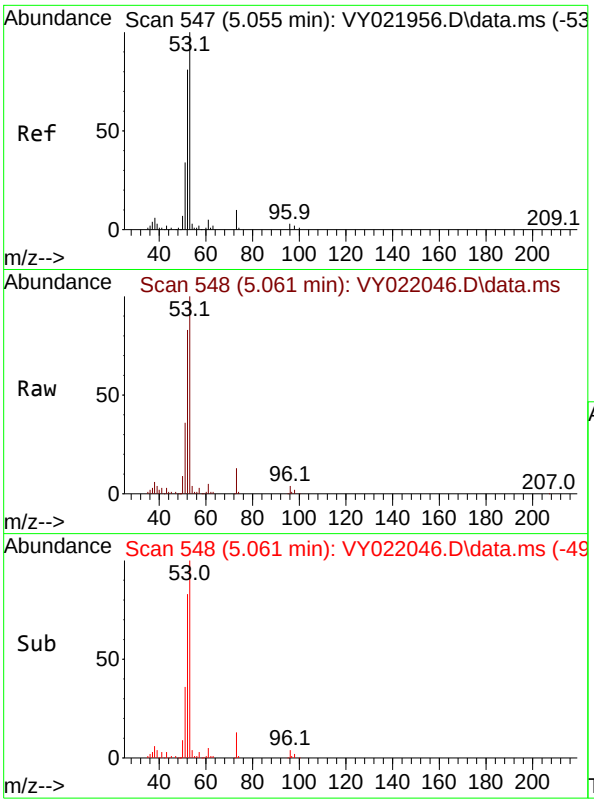


#14
Allyl chloride
Concen: 43.306 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 41 Resp: 165590

Ion	Ratio	Lower	Upper
41	100		
39	70.4	57.2	85.8
76	50.2	39.7	59.5





#15
Acrylonitrile
Concen: 223.027 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 53 Resp: 13801

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.0	97.6
51	37.3	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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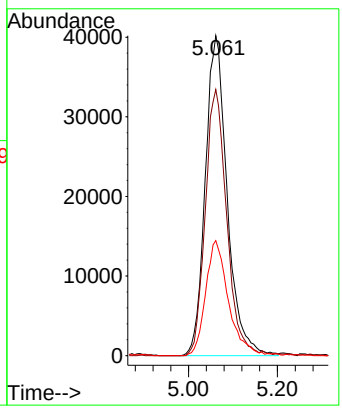
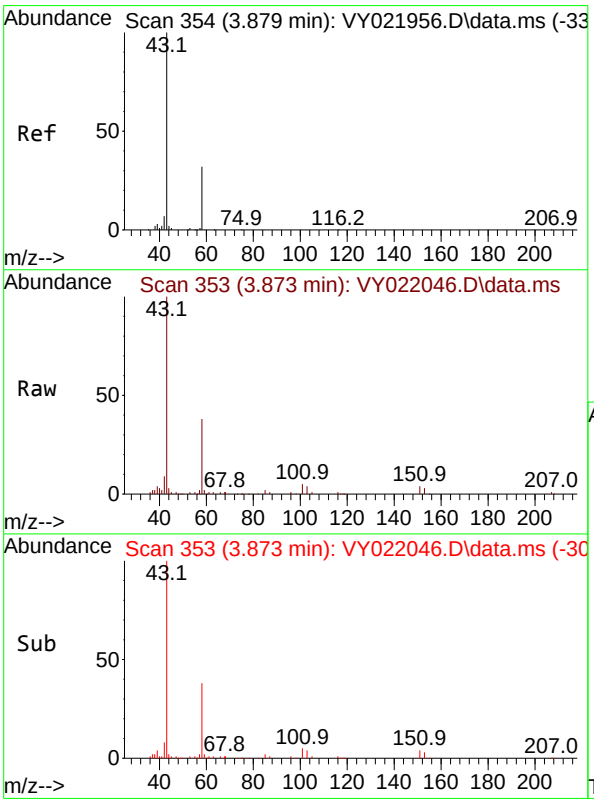
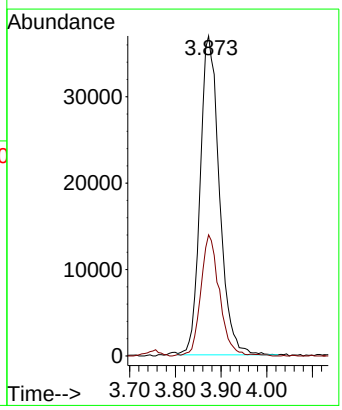


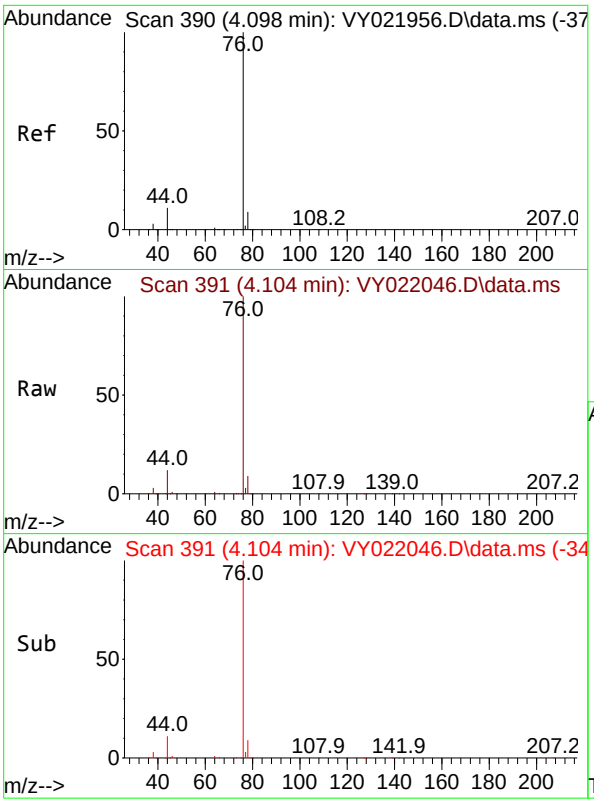


#16
Acetone
Concen: 271.364 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 107650

Ion	Ratio	Lower	Upper
43	100		
58	38.0	27.0	40.4





#17
Carbon Disulfide
Concen: 43.107 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 76 Resp: 45136

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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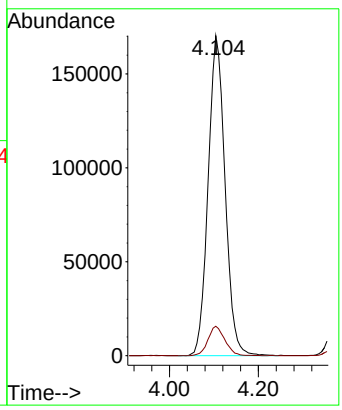
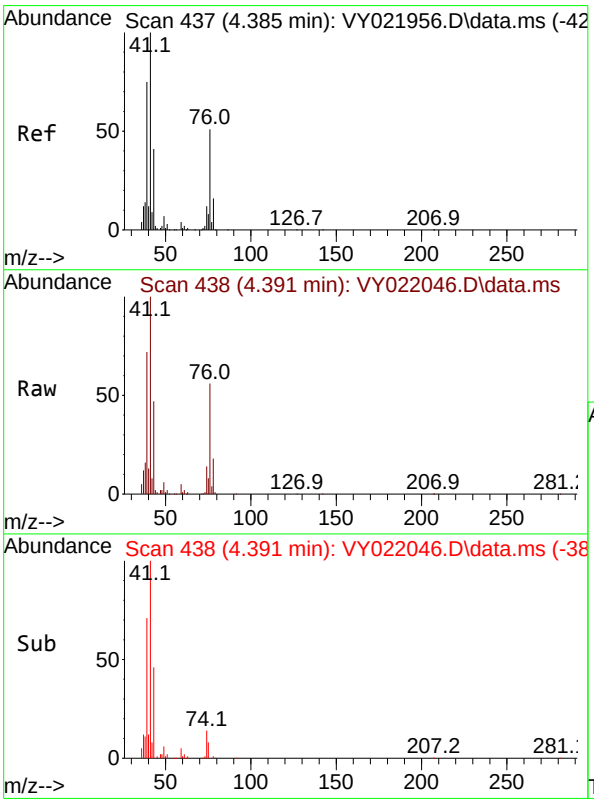
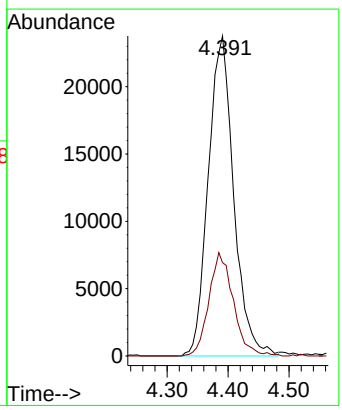


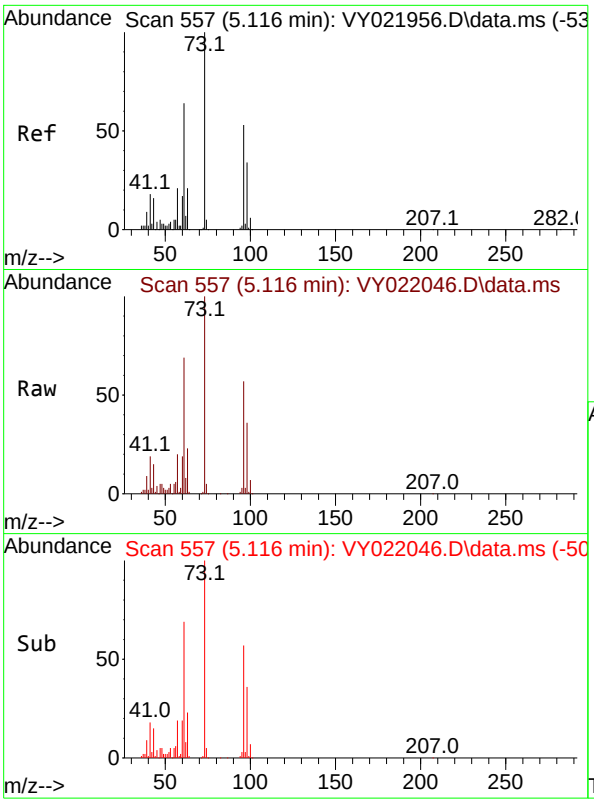


#18
Methyl Acetate
Concen: 48.392 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 68974

Ion	Ratio	Lower	Upper
43	100		
74	31.0	24.2	36.4

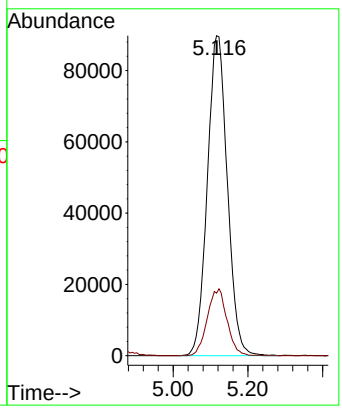




#19
Methyl tert-butyl Ether
Concen: 45.315 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 73 Resp: 33306

Ion	Ratio	Lower	Upper
73	100		
57	19.6	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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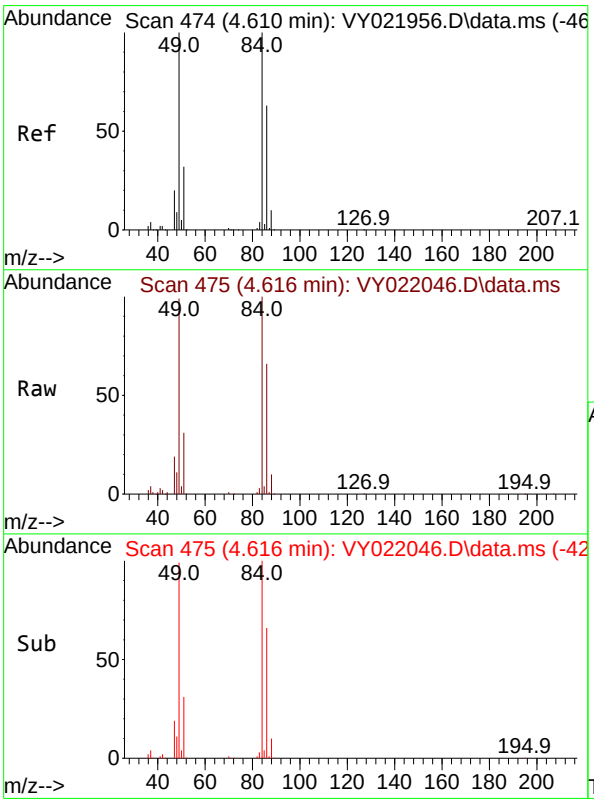
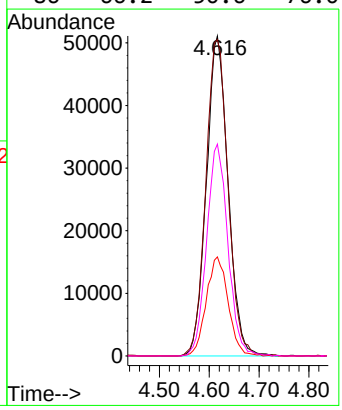
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

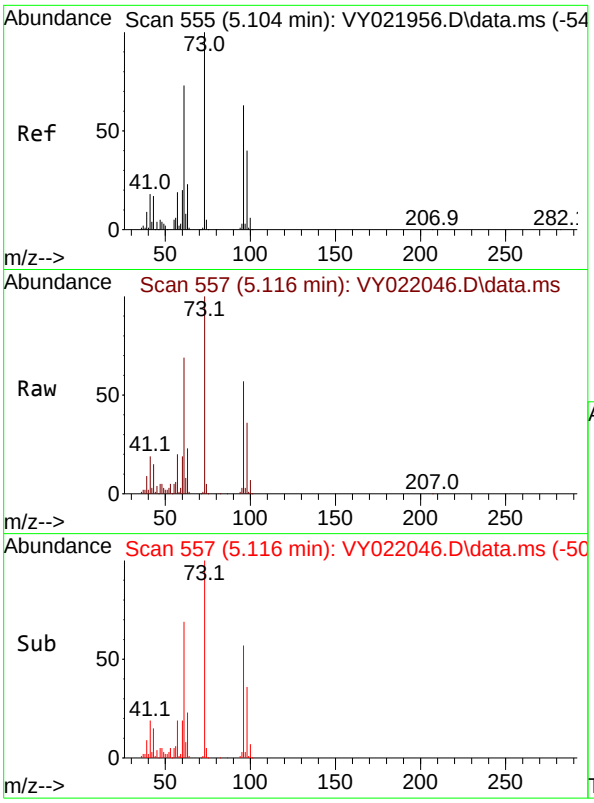


#20
Methylene Chloride
Concen: 40.043 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 84 Resp: 154498

Ion	Ratio	Lower	Upper
84	100		
49	98.9	79.9	119.9
51	31.0	25.4	38.0
86	66.2	50.6	76.0





#21
trans-1,2-Dichloroethene
Concen: 43.924 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

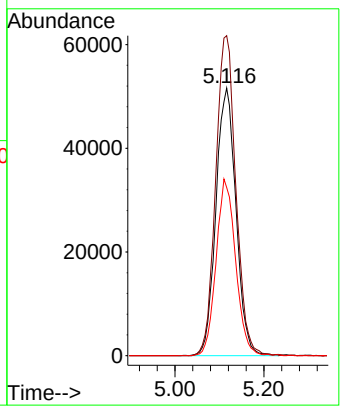
Tgt Ion: 96 Resp: 16154

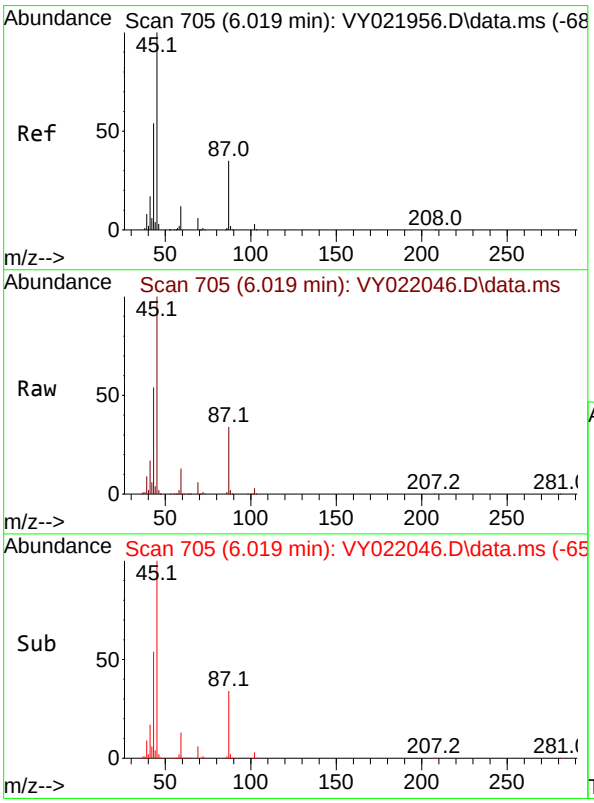
Ion	Ratio	Lower	Upper
96	100		
61	119.5	92.6	138.8
98	62.8	50.2	75.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

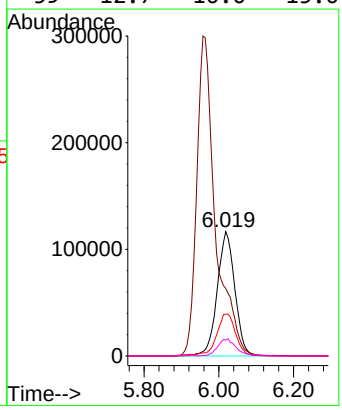


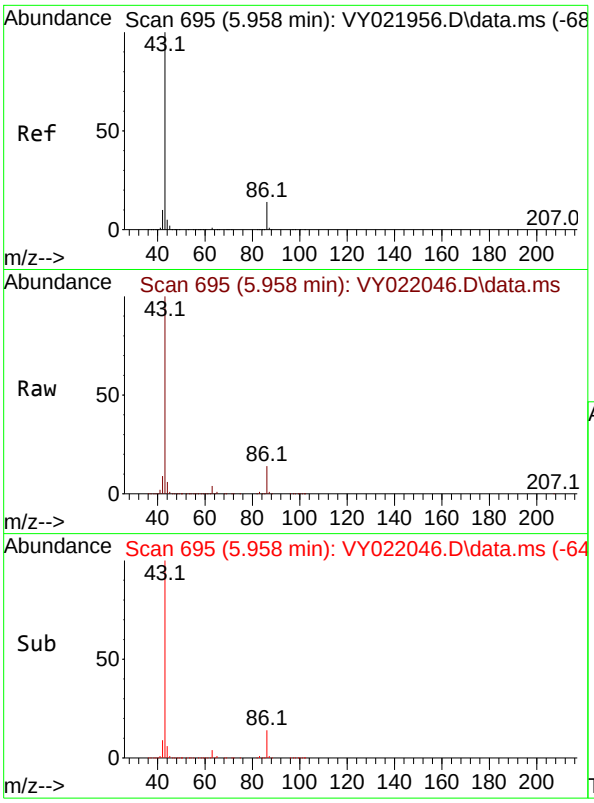


#22
Diisopropyl ether
Concen: 44.895 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 45 Resp: 382029

Ion	Ratio	Lower	Upper
45	100		
43	54.1	43.6	65.4
87	33.7	28.2	42.4
59	12.7	10.0	15.0





#23
Vinyl Acetate
Concen: 226.736 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 103980

Ion	Ratio	Lower	Upper
43	100		
86	14.2	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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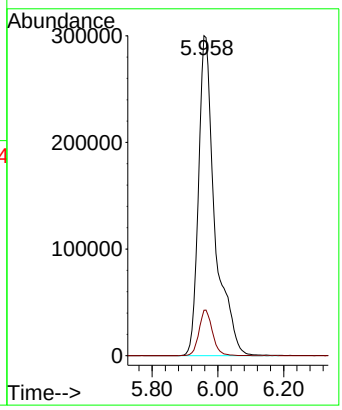
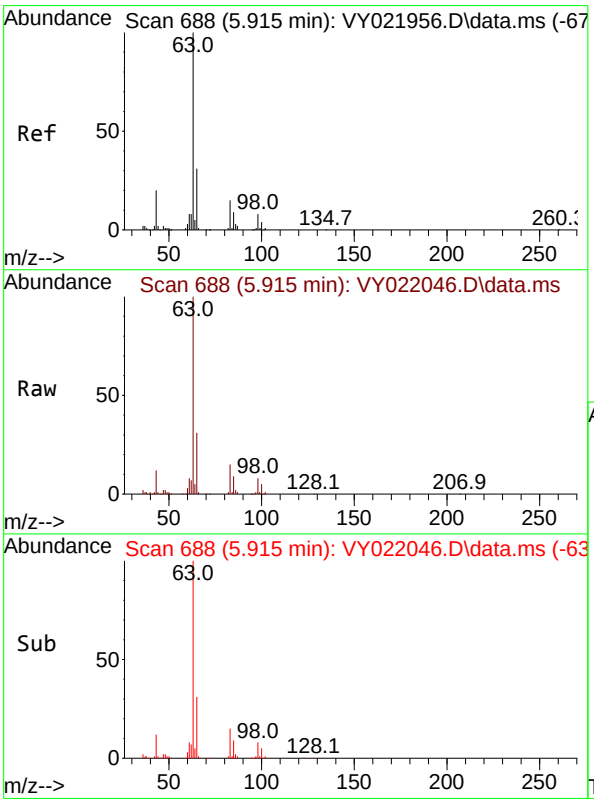
Supervised By :Mahesh Dadoda 04/30/2025

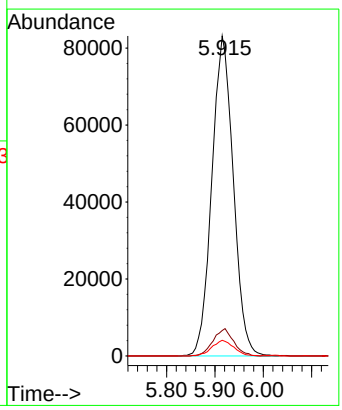


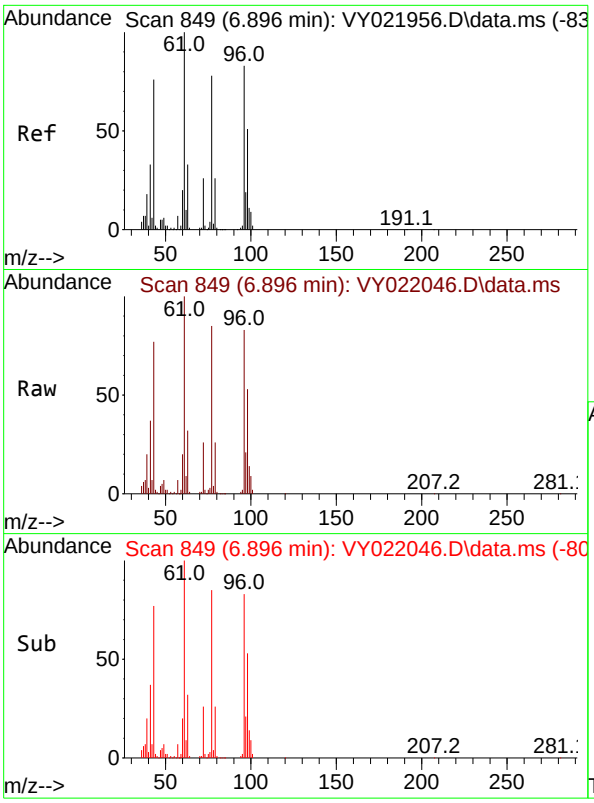


#24
1,1-Dichloroethane
Concen: 43.448 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 63 Resp: 256272

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.0	11.9
100	4.9	2.0	6.0





#25
2-Butanone
Concen: 232.499 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 16170

Ion	Ratio	Lower	Upper
43	100		
72	33.4	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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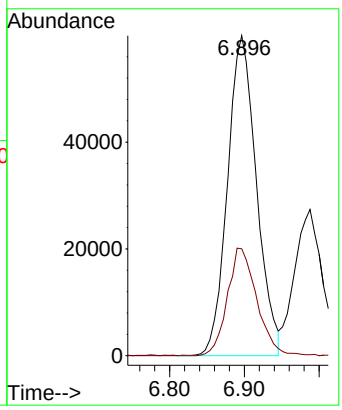
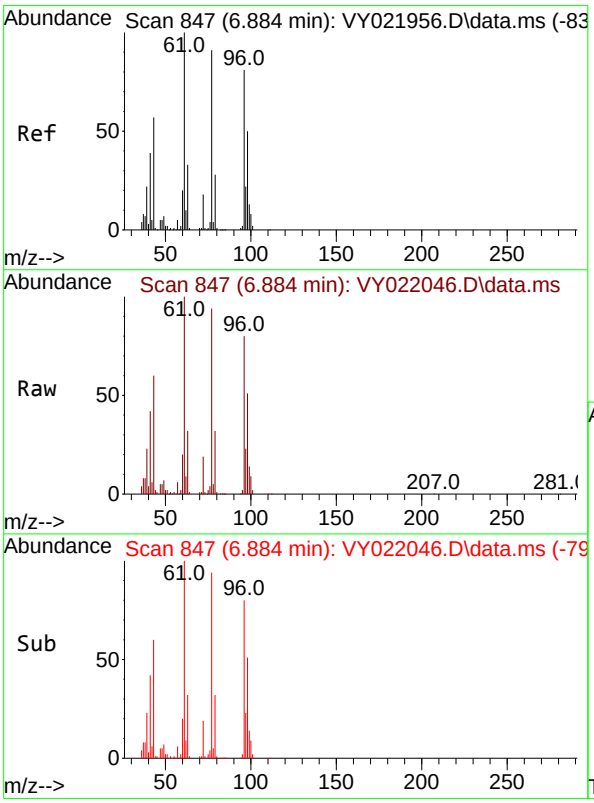
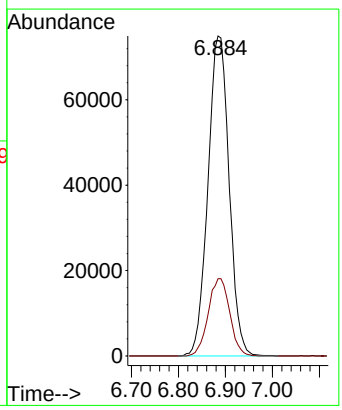


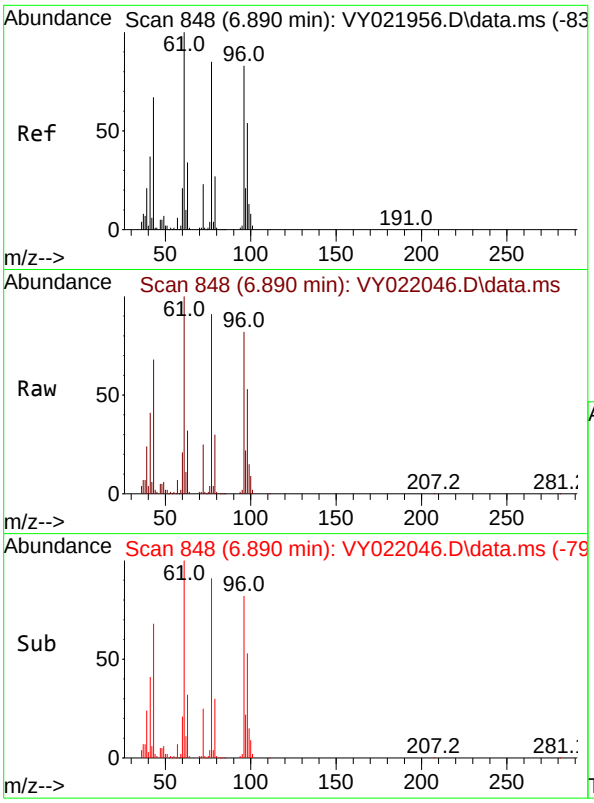


#26
2,2-Dichloropropane
Concen: 45.304 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 77 Resp: 234207

Ion	Ratio	Lower	Upper
77	100		
97	24.5	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 44.805 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 96 Resp: 18425

Ion	Ratio	Lower	Upper
96	100		
61	124.5	0.0	251.4
98	64.5	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :Semsettin Yesilyurt 04/30/2025
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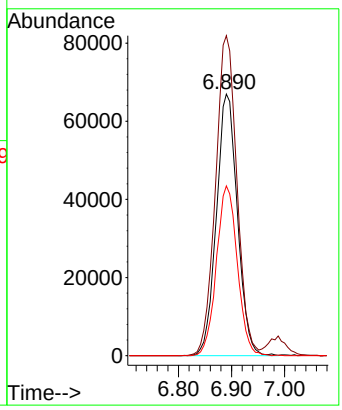
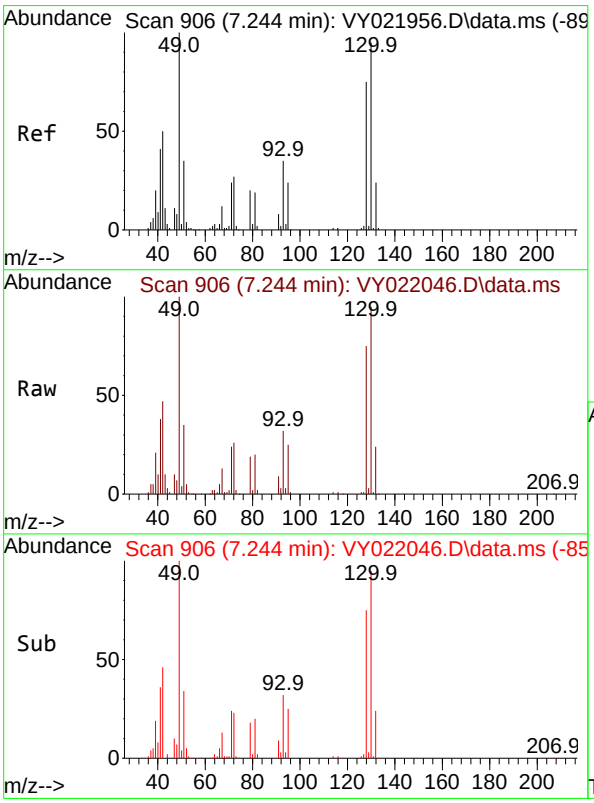
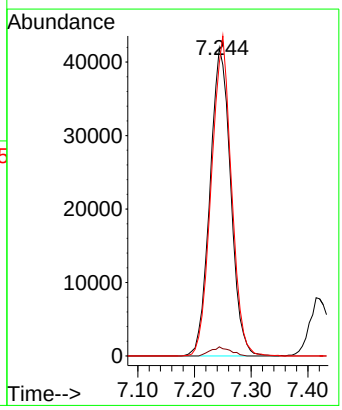


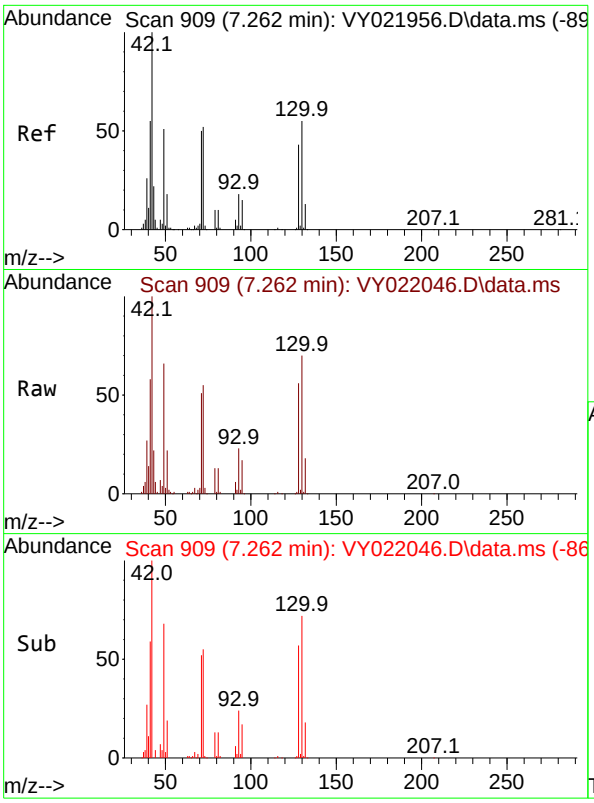


#28
Bromochloromethane
Concen: 46.456 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 49 Resp: 106431

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	100.4	78.2	117.4





#29
Tetrahydrofuran
Concen: 232.133 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 42 Resp: 10486

Ion	Ratio	Lower	Upper
42	100		
72	57.0	42.6	63.8
71	51.8	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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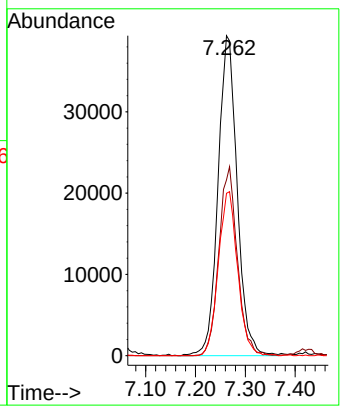
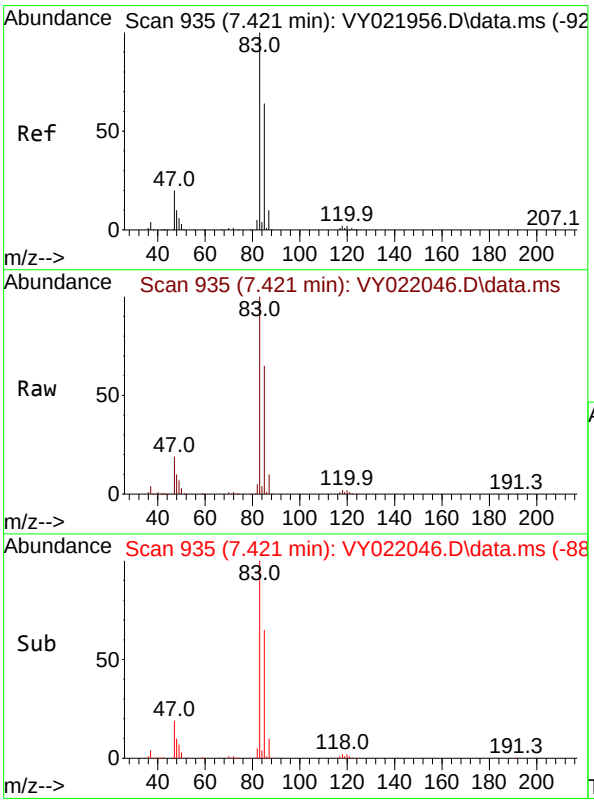
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

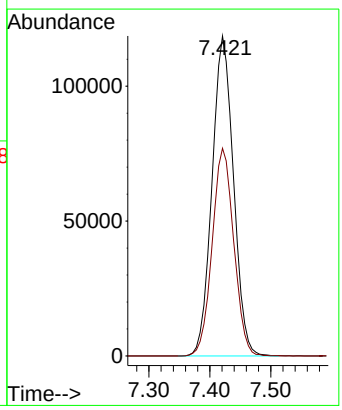


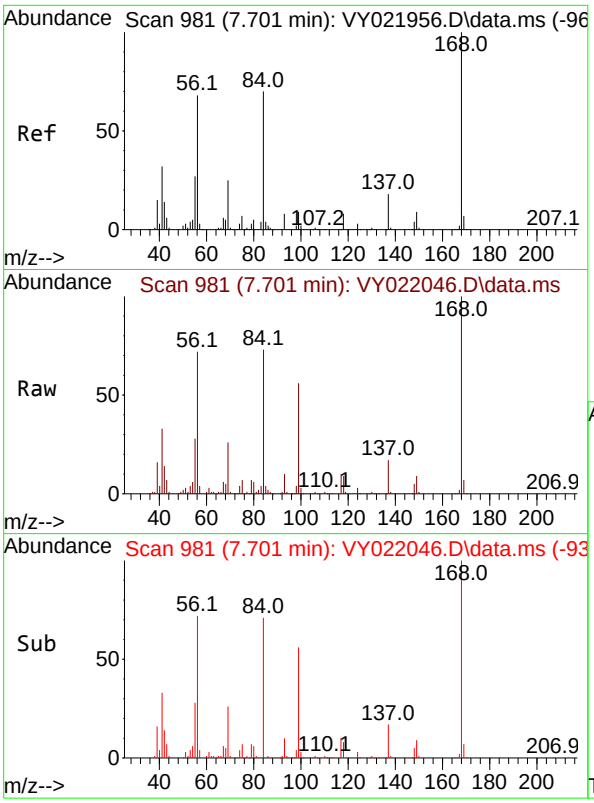


#30
Chloroform
Concen: 44.298 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 83 Resp: 289823

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9





#31
Cyclohexane
Concen: 43.306 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 56 Resp: 21843

Ion	Ratio	Lower	Upper
56	100		
69	36.2	29.4	44.2
84	100.6	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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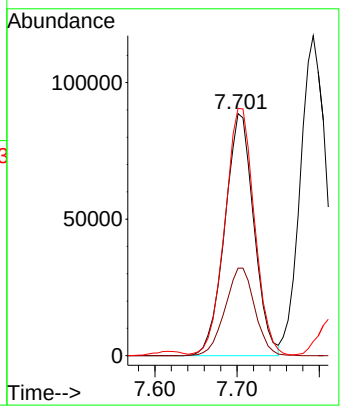
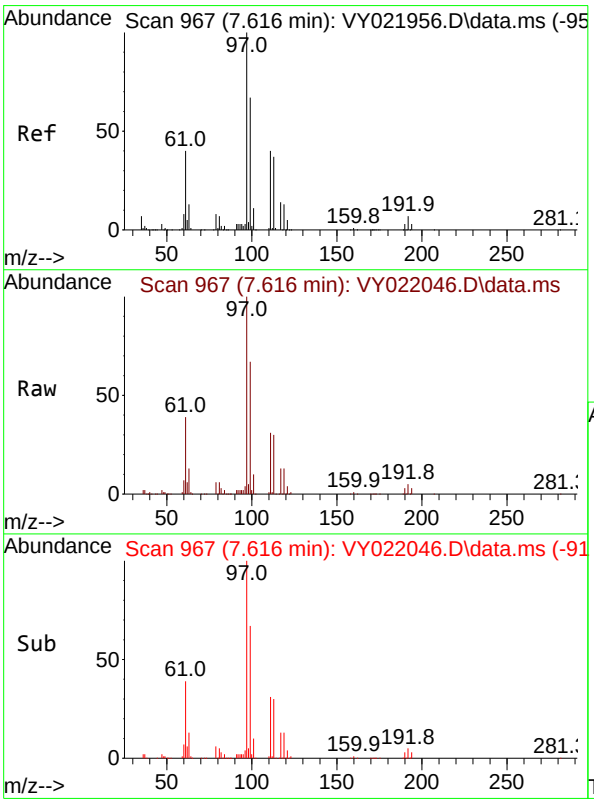
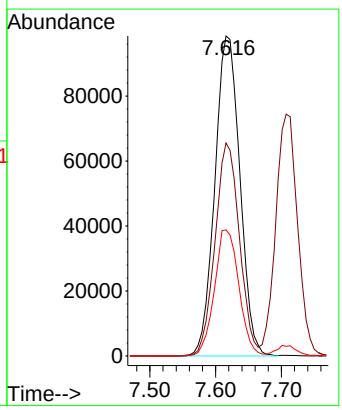


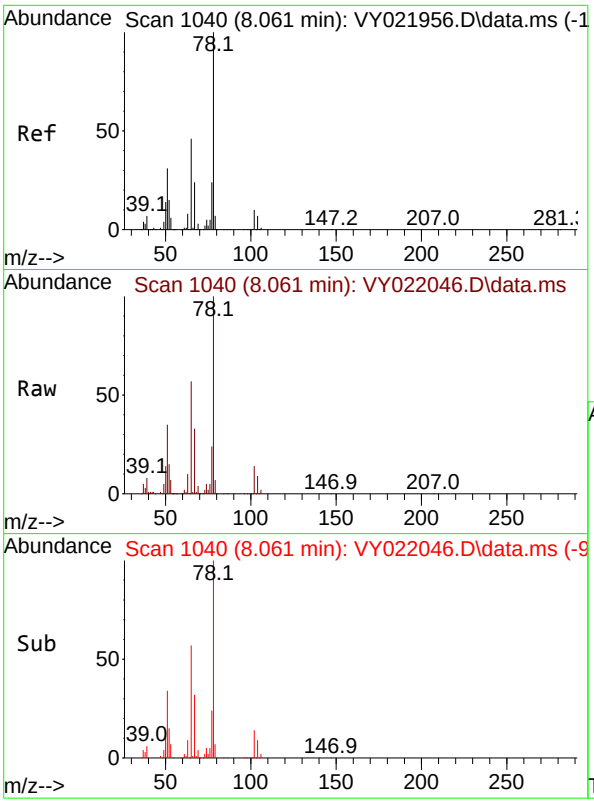


#32
1,1,1-Trichloroethane
Concen: 44.057 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 97 Resp: 260780

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	38.6	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 43.532 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 65 Resp: 13282

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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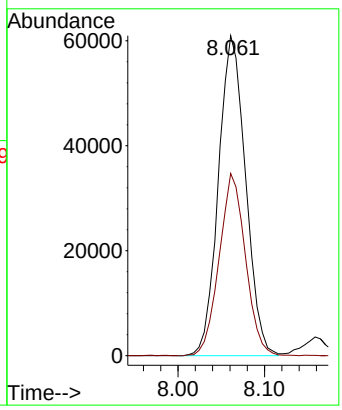
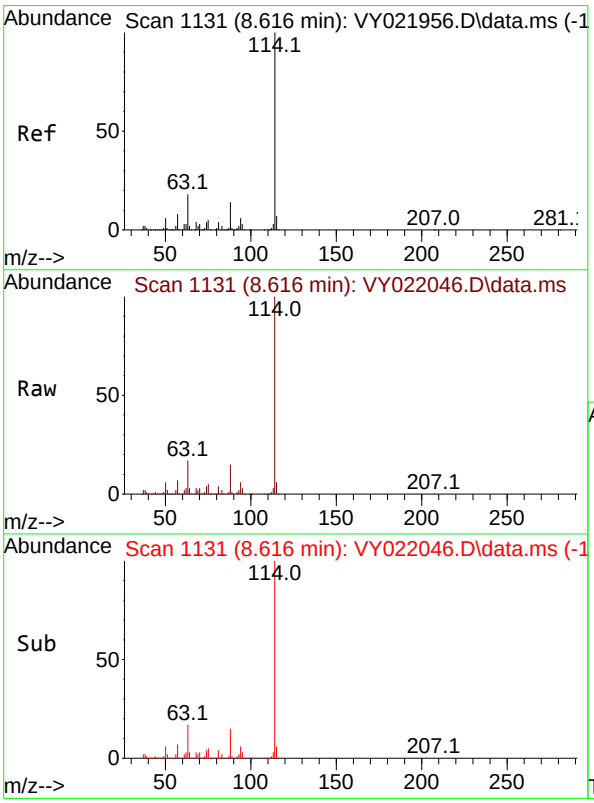
Supervised By :Mahesh Dadoda 04/30/2025

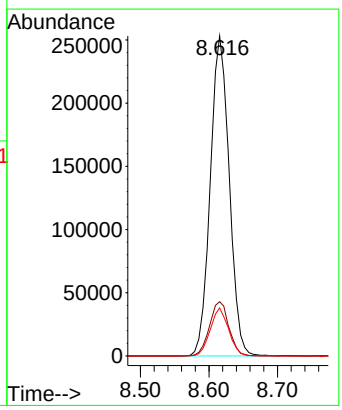


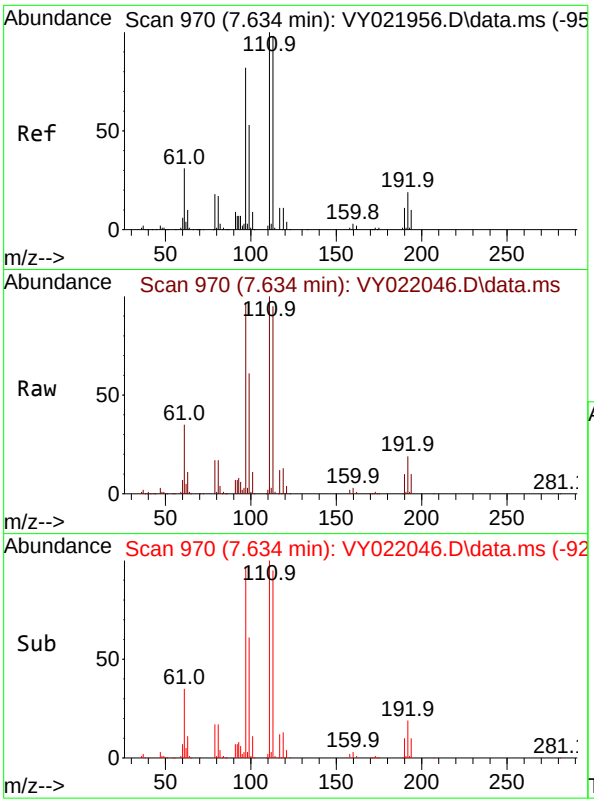


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:114 Resp: 485397

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	35.4
88	15.0	0.0	28.2

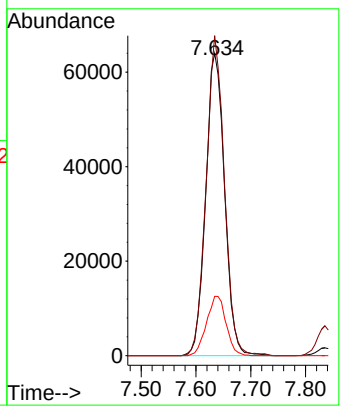




#35
Dibromofluoromethane
Concen: 47.486 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:113 Resp: 15227

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	20.4	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/30/2025
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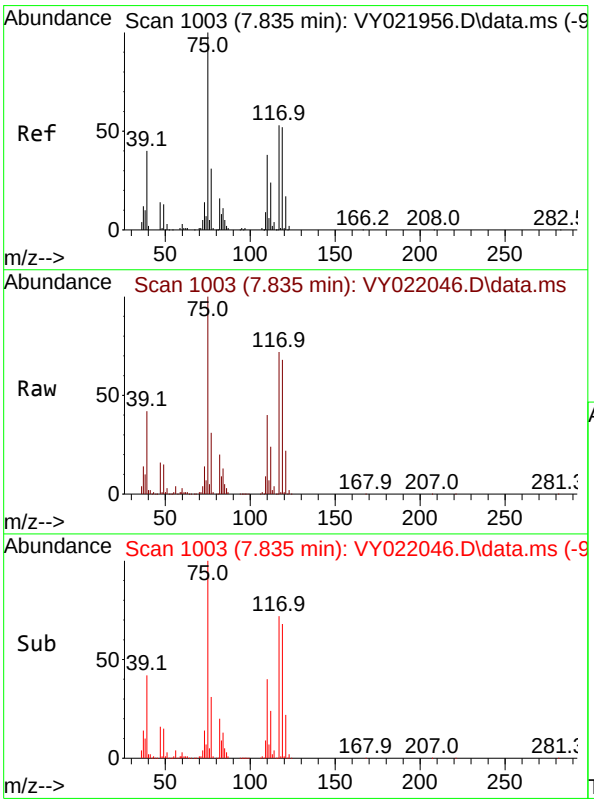
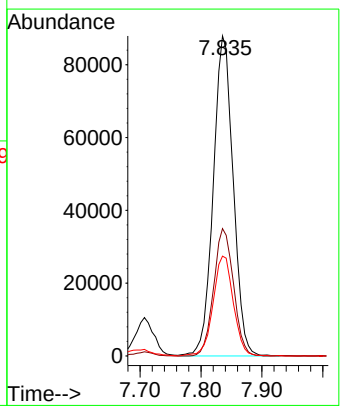
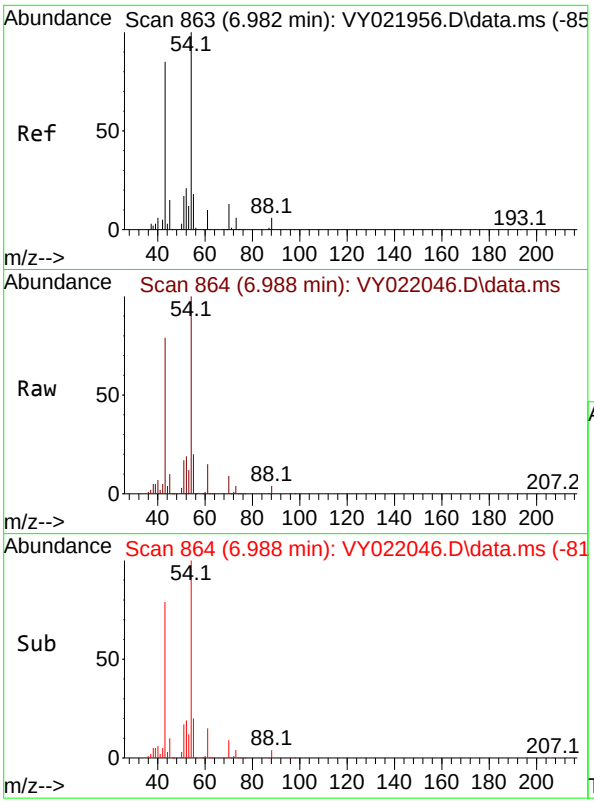


#36
1,1-Dichloropropene
Concen: 46.442 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 200053

Ion	Ratio	Lower	Upper
75	100		
110	39.5	19.1	57.3
77	31.7	25.5	38.3





#37
Ethyl Acetate
Concen: 47.597 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 7363

Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.8	20.6
70	12.0	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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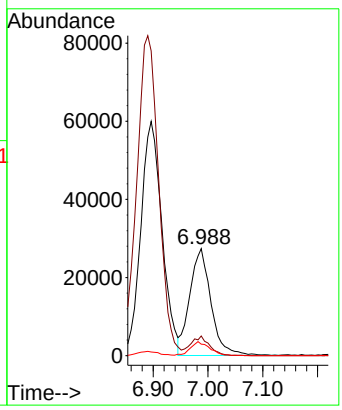
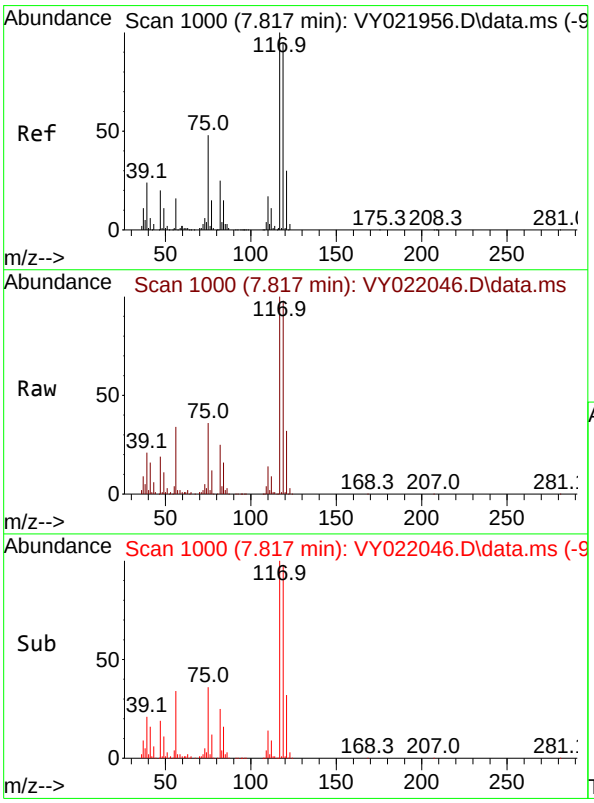
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

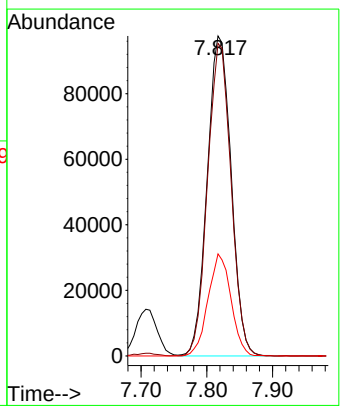


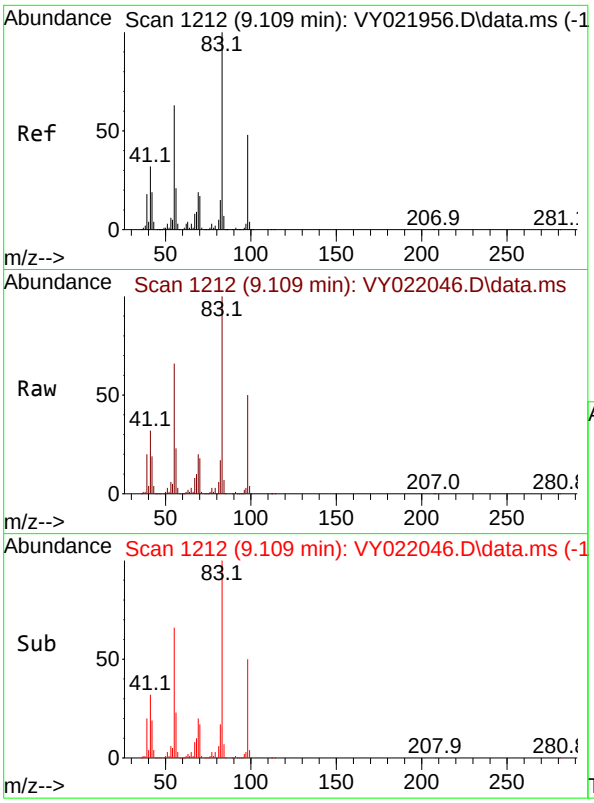


#38
Carbon Tetrachloride
Concen: 48.012 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:117 Resp: 247130

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.4
121	31.9	24.0	36.0





#39
Methylcyclohexane
Concen: 47.325 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 83 Resp: 25654

Ion	Ratio	Lower	Upper
83	100		
55	66.2	50.6	75.8
98	50.2	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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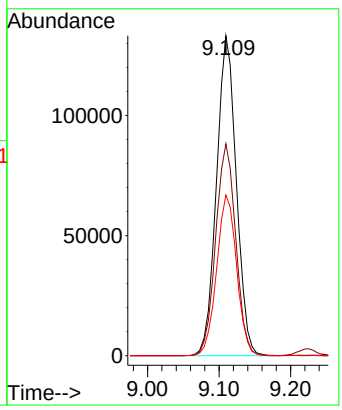
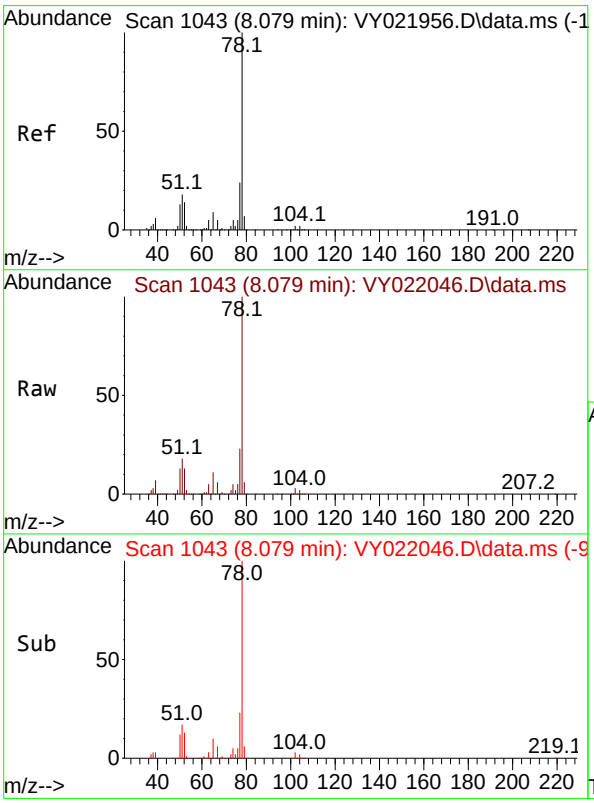
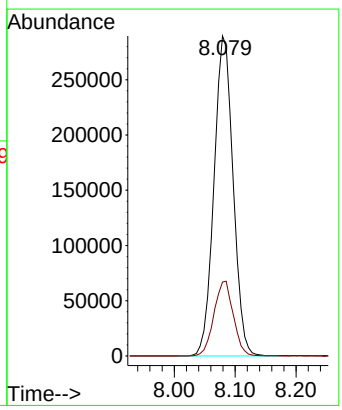


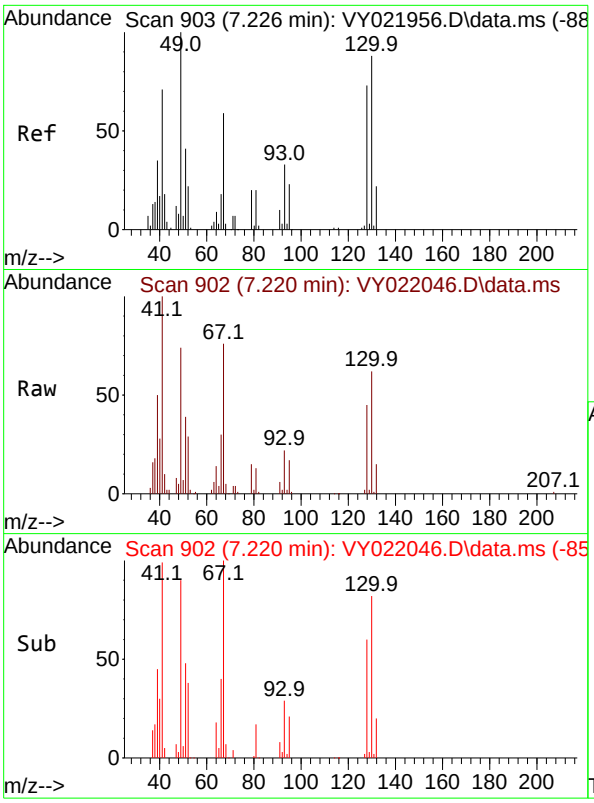


#40
Benzene
Concen: 46.906 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 78 Resp: 631609

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9

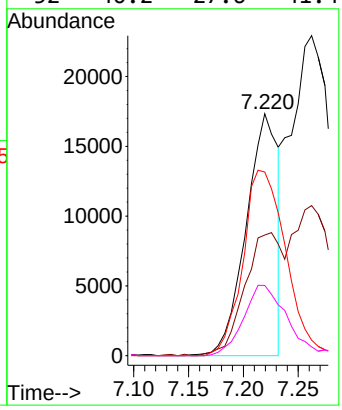




#41
Methacrylonitrile
Concen: 41.395 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 41 Resp: 3500

Ion	Ratio	Lower	Upper
41	100		
39	61.4	36.6	55.0
67	103.9	72.2	108.4
52	40.2	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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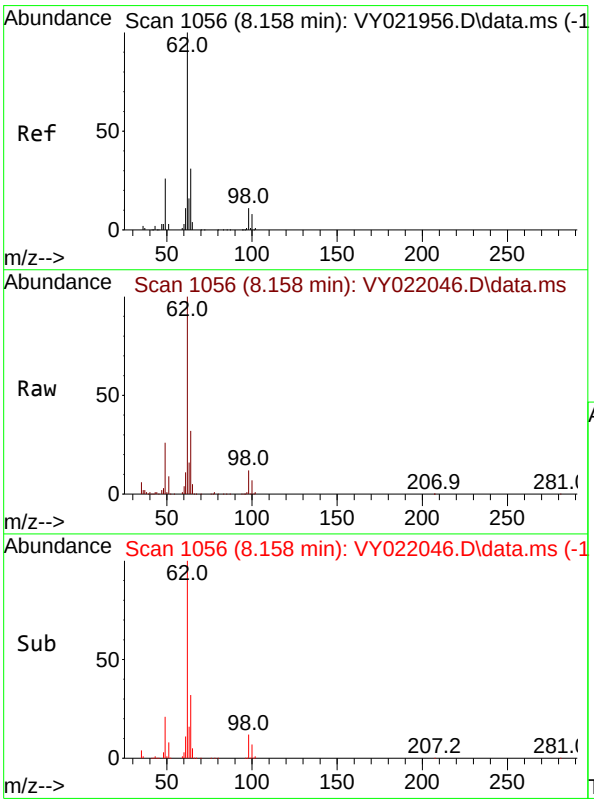
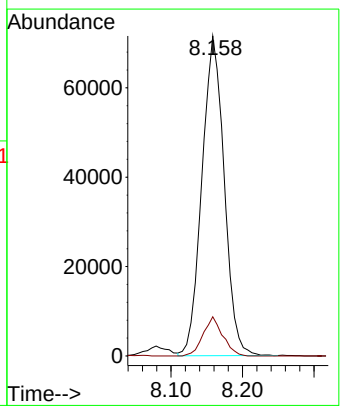
Supervised By :Mahesh Dadoda 04/30/2025

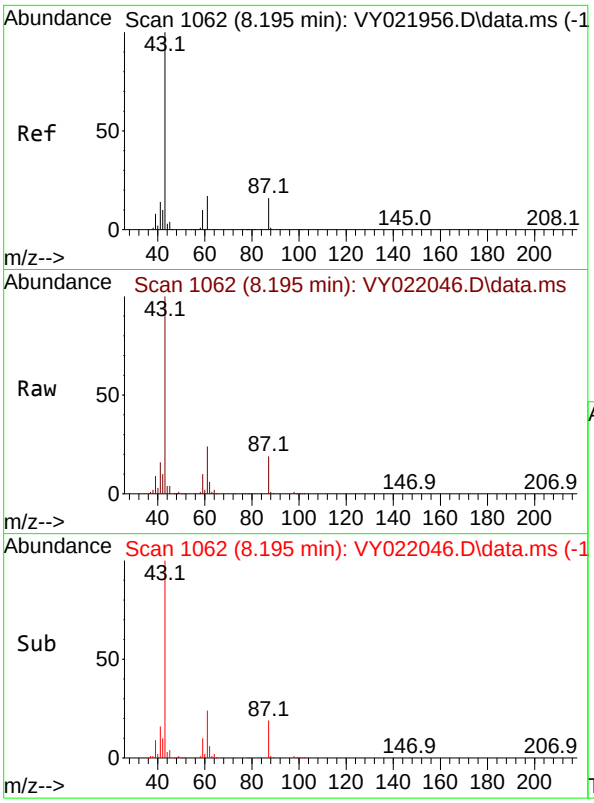


#42
1,2-Dichloroethane
Concen: 46.477 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 62 Resp: 154947

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0





#43
Isopropyl Acetate
Concen: 46.389 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 13782

Ion	Ratio	Lower	Upper
43	100		
61	36.2	18.9	28.3#
87	17.6	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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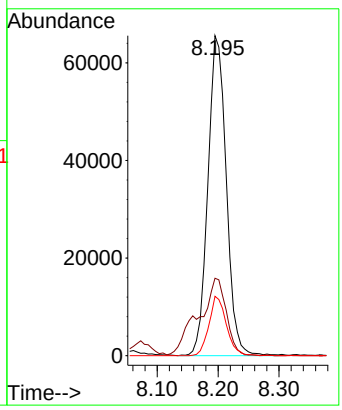
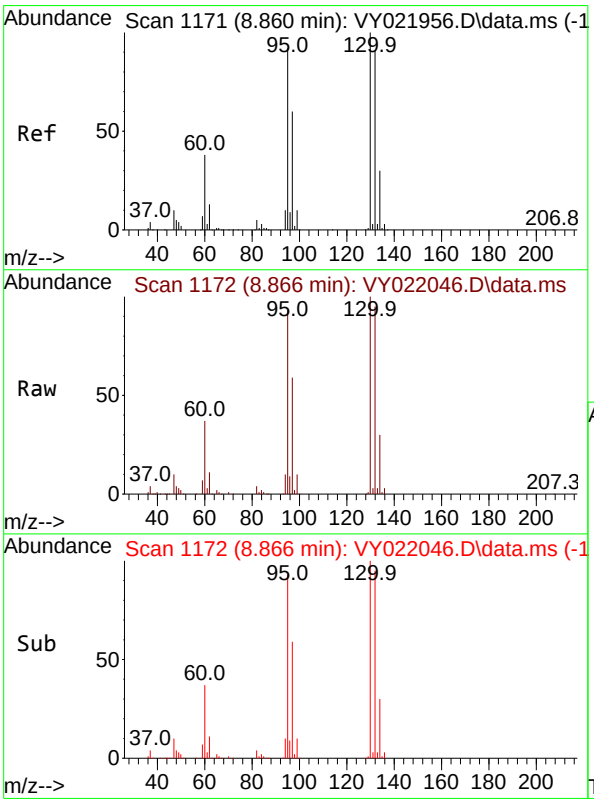
Supervised By :Mahesh Dadoda 04/30/2025

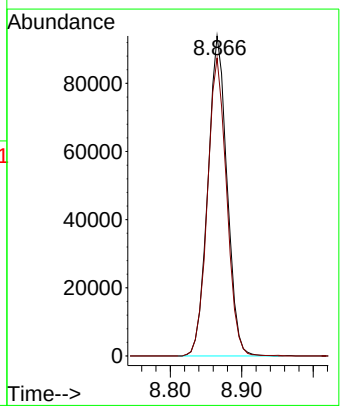


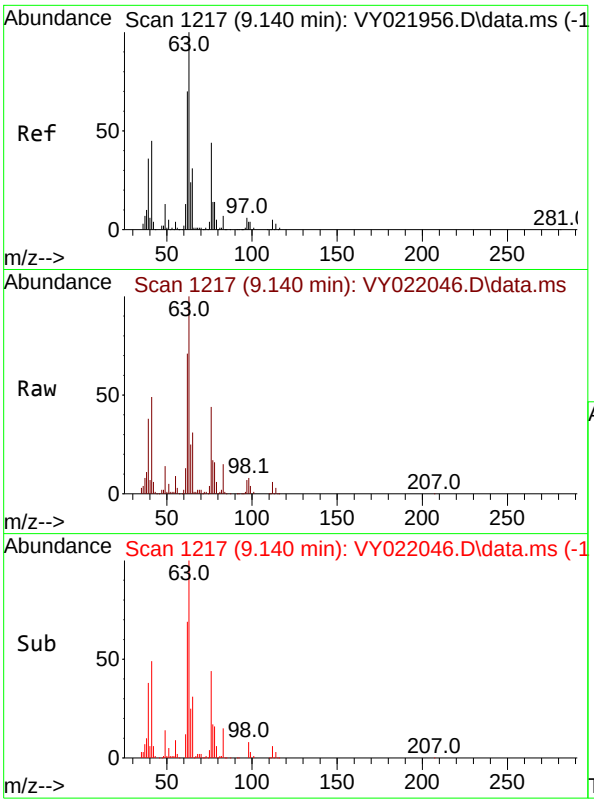


#44
Trichloroethene
Concen: 46.887 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:130 Resp: 174874

Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	183.2





#45
1,2-Dichloropropane
Concen: 46.764 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 63 Resp: 13925

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :Semsettin Yesilyurt 04/30/2025
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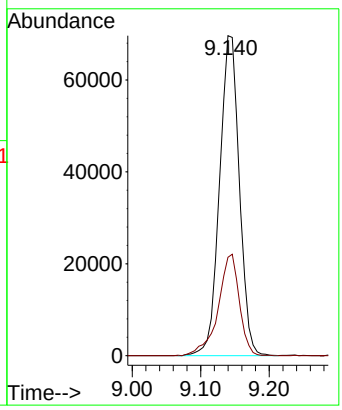
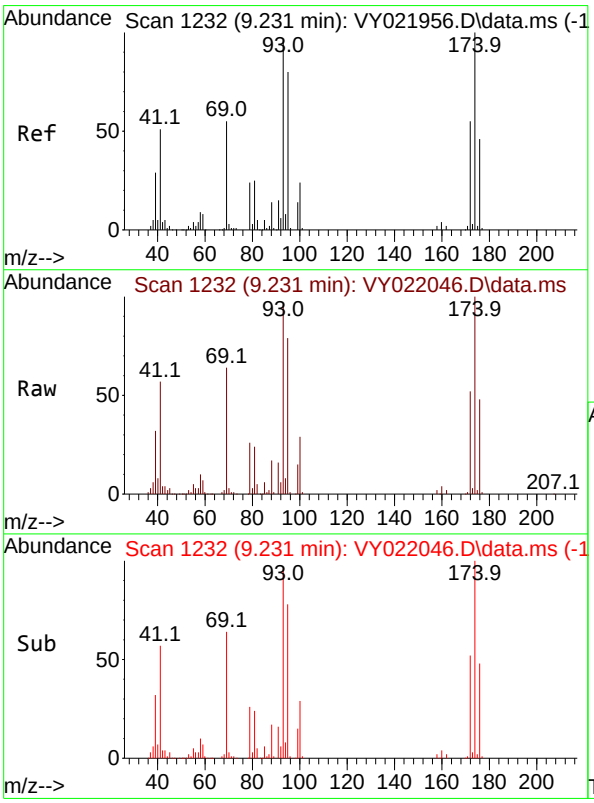
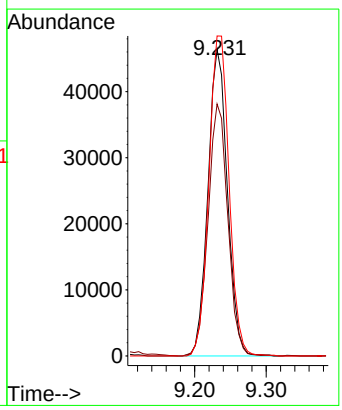


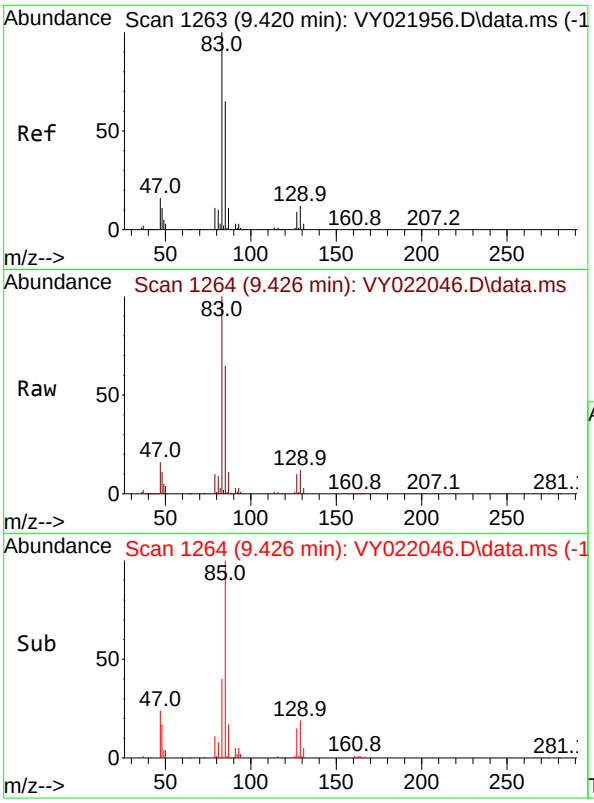


#46
Dibromomethane
Concen: 47.082 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 93 Resp: 87764

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.7	100.1
174	108.2	84.6	127.0





#47
Bromodichloromethane
Concen: 47.592 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 83 Resp: 22162

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.7	7.0	10.6

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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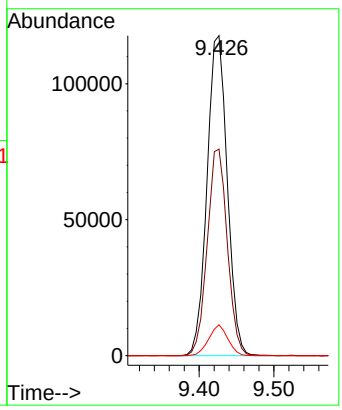
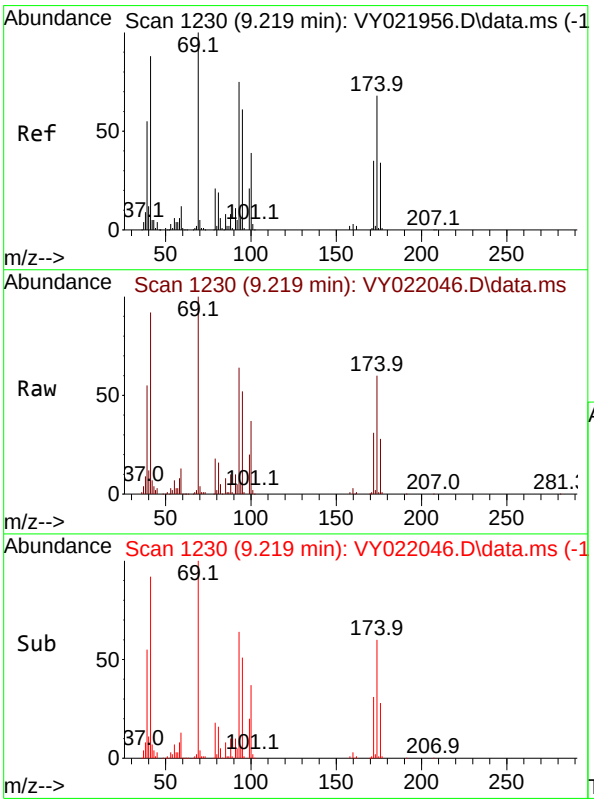
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

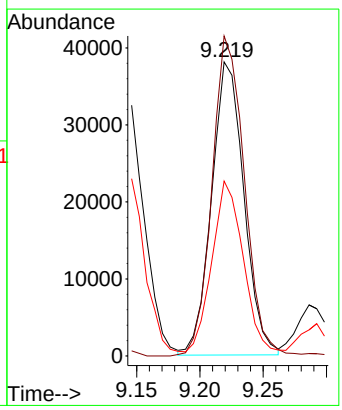


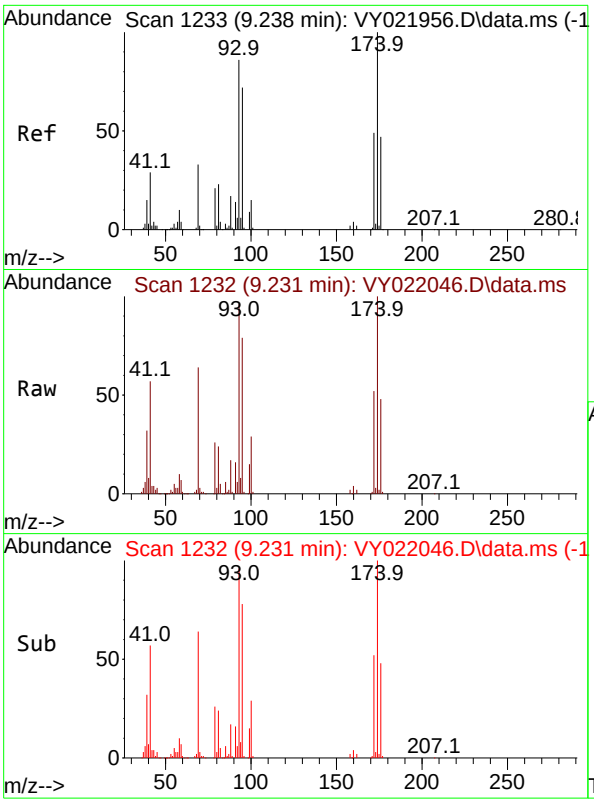


#48
Methyl methacrylate
Concen: 49.274 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 41 Resp: 67675

Ion	Ratio	Lower	Upper
41	100		
69	109.2	85.5	128.3
39	56.2	46.2	69.4





#49
1,4-Dioxane
Concen: 997.336 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 88 Resp: 1981

Ion	Ratio	Lower	Upper
88	100		
43	23.2	21.3	31.9
58	55.8	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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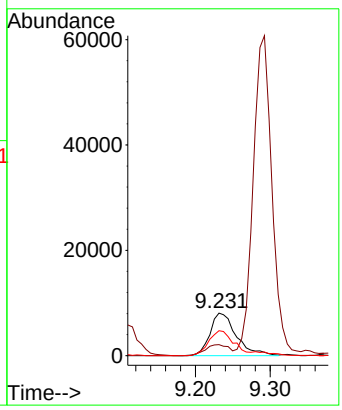
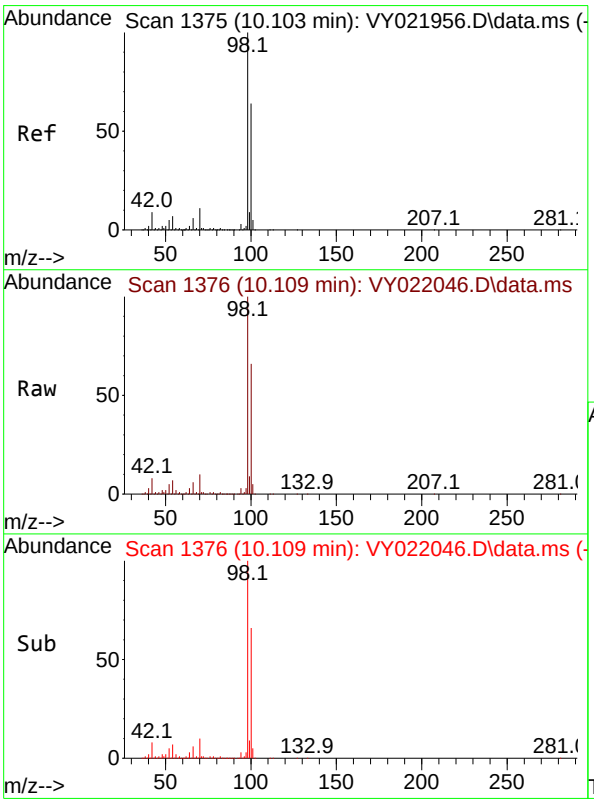
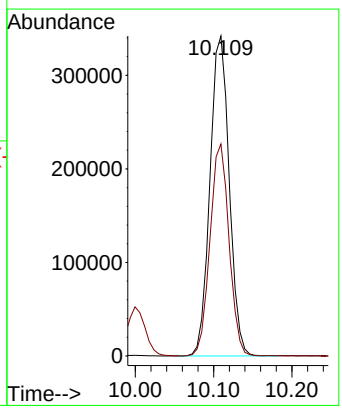


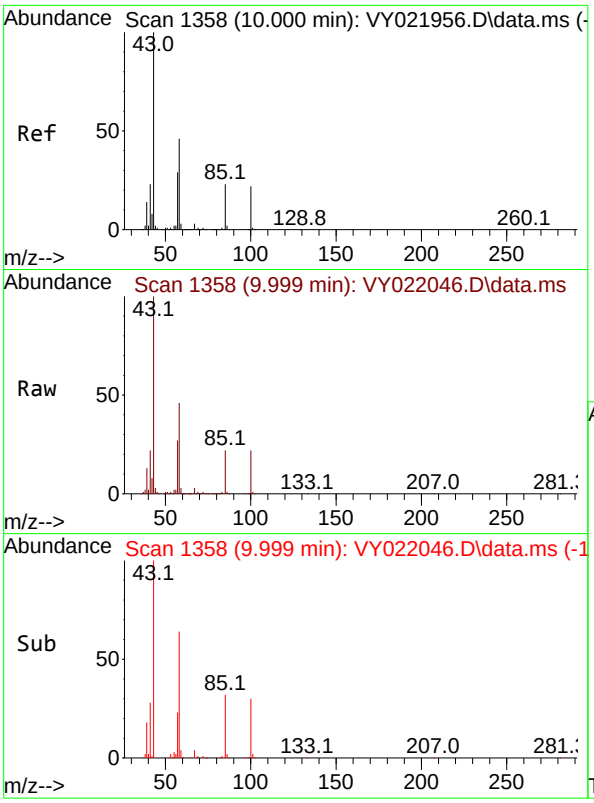


#50
Toluene-d8
Concen: 48.273 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 98 Resp: 583606

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 250.912 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 39078

Ion	Ratio	Lower	Upper
43	100		
58	46.1	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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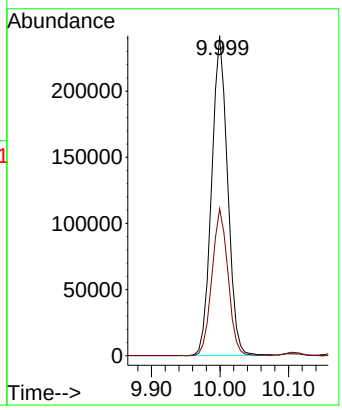
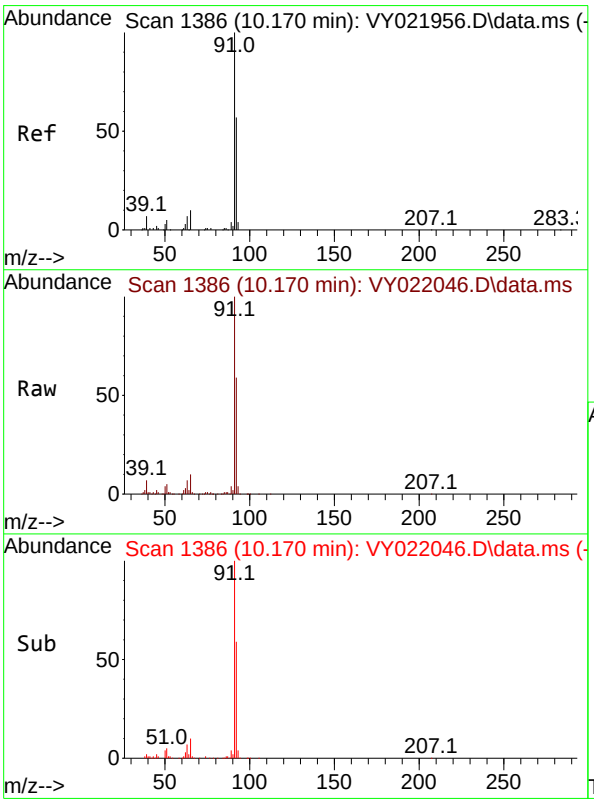
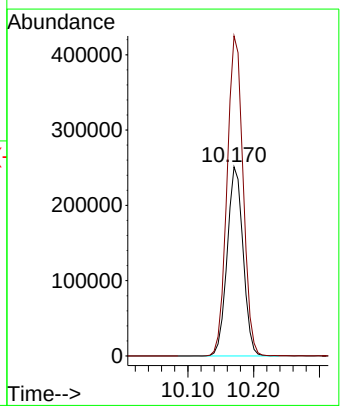


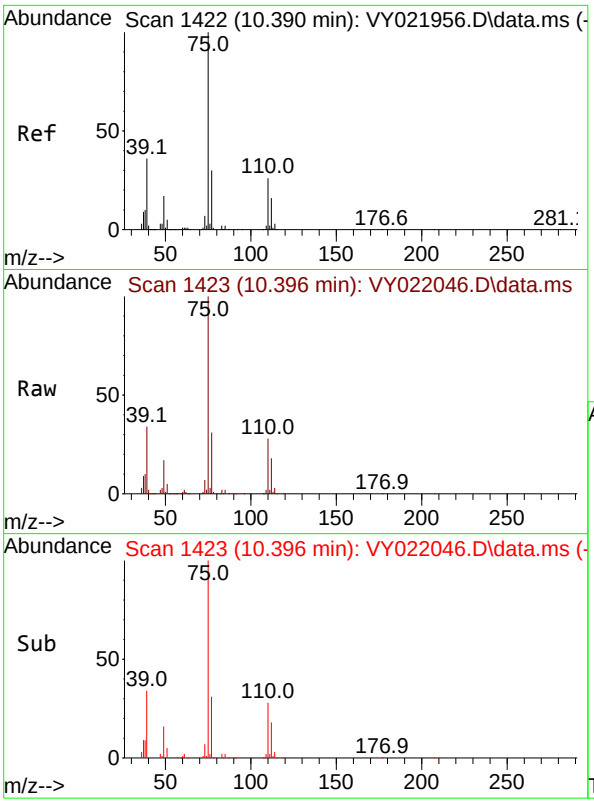


#52
Toluene
Concen: 48.468 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 92 Resp: 422459

Ion	Ratio	Lower	Upper
92	100		
91	170.6	138.6	207.8

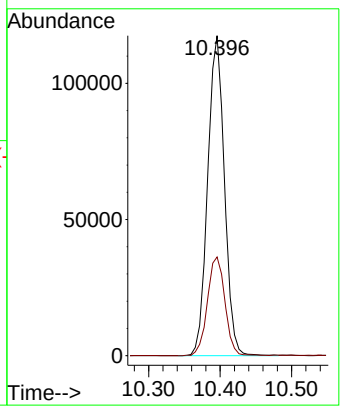




#53
t-1,3-Dichloropropene
Concen: 47.779 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 19084

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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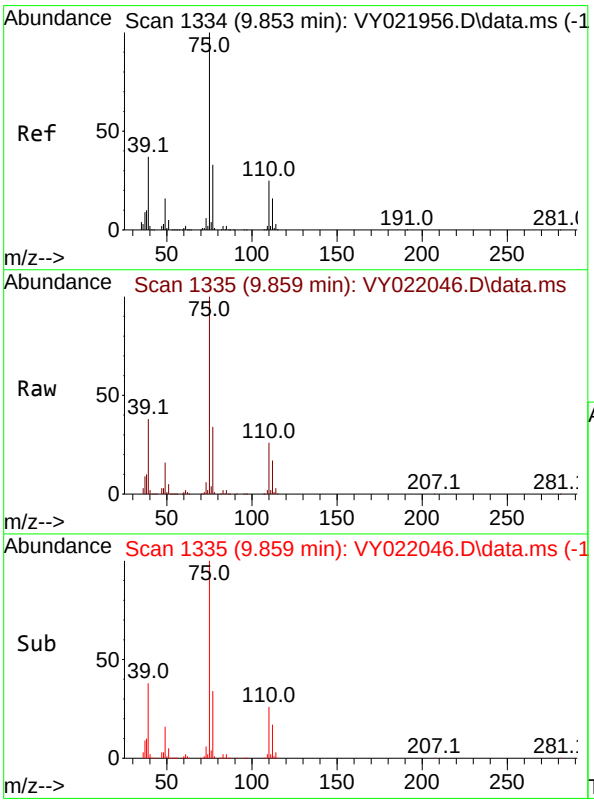
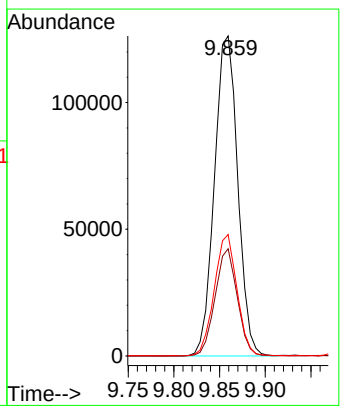
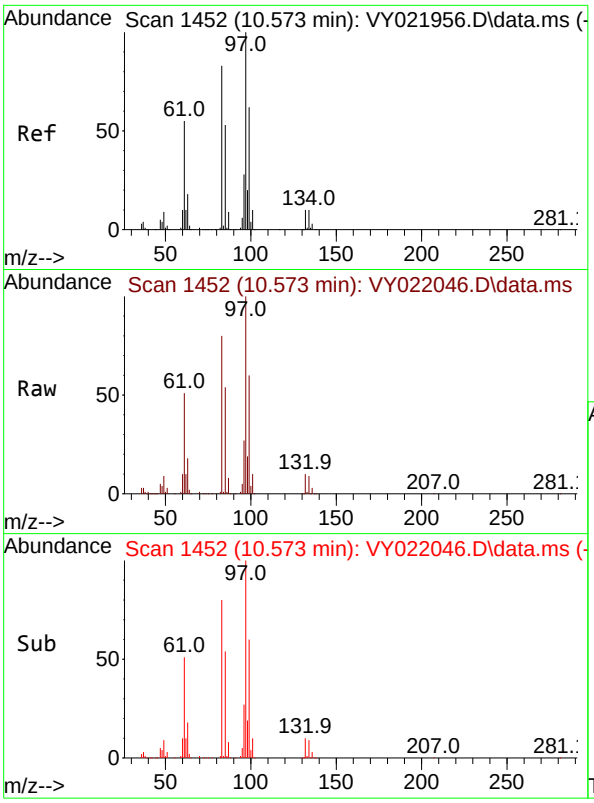


#54
cis-1,3-Dichloropropene
Concen: 47.184 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 224035

Ion	Ratio	Lower	Upper
75	100		
77	33.5	26.6	40.0
39	37.9	29.6	44.4

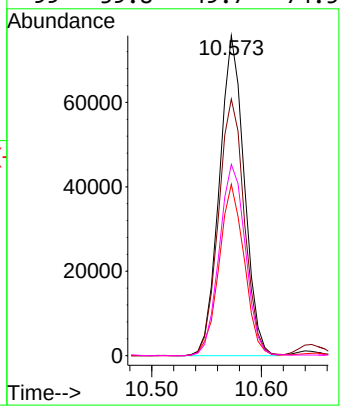




#55
1,1,2-Trichloroethane
Concen: 48.179 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 97 Resp: 11996

Ion	Ratio	Lower	Upper
97	100		
83	80.2	66.7	100.1
85	53.6	42.6	64.0
99	59.8	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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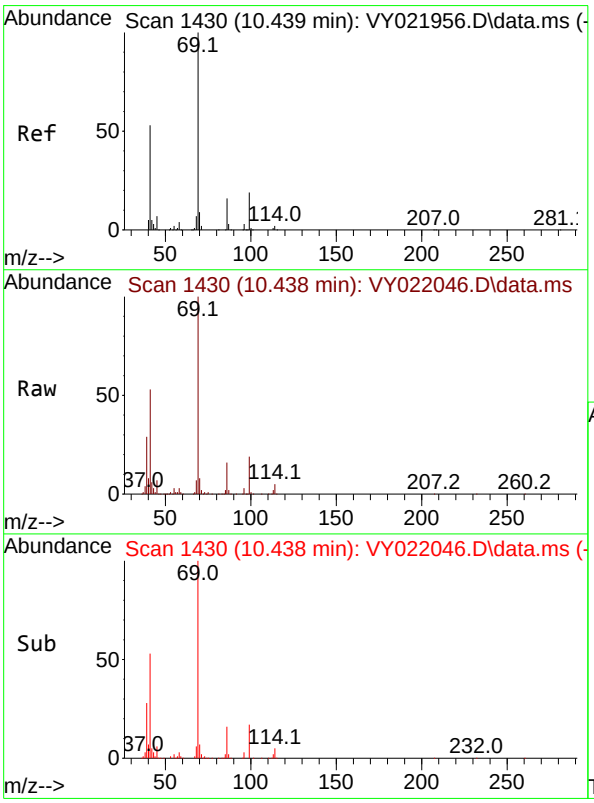
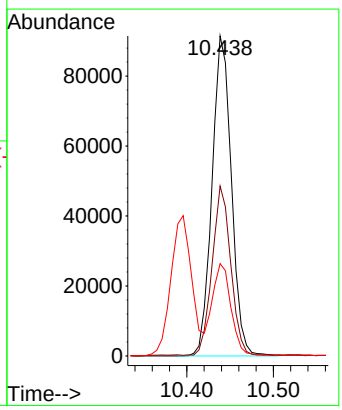
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

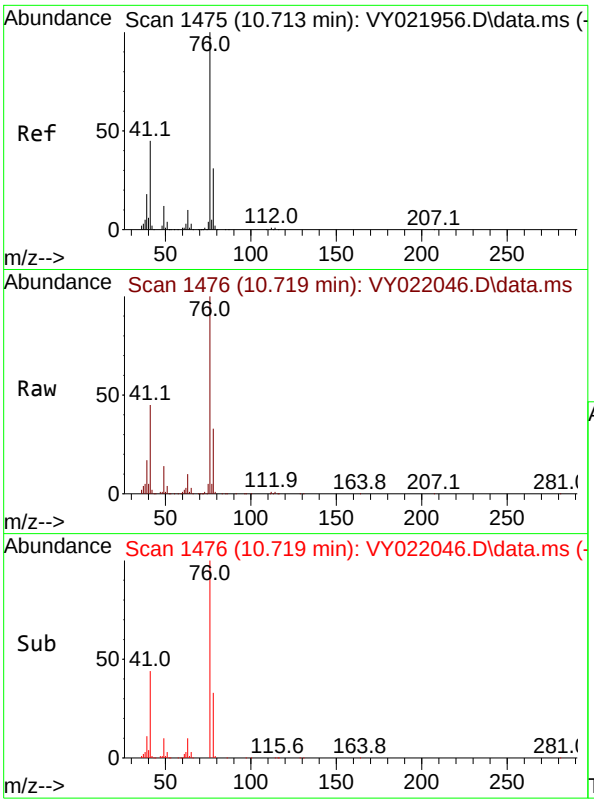


#56
Ethyl methacrylate
Concen: 49.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 69 Resp: 142098

Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	27.5	23.3	34.9





#57
1,3-Dichloropropane
Concen: 48.021 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 76 Resp: 19168

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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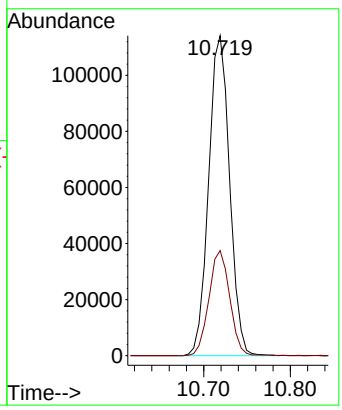
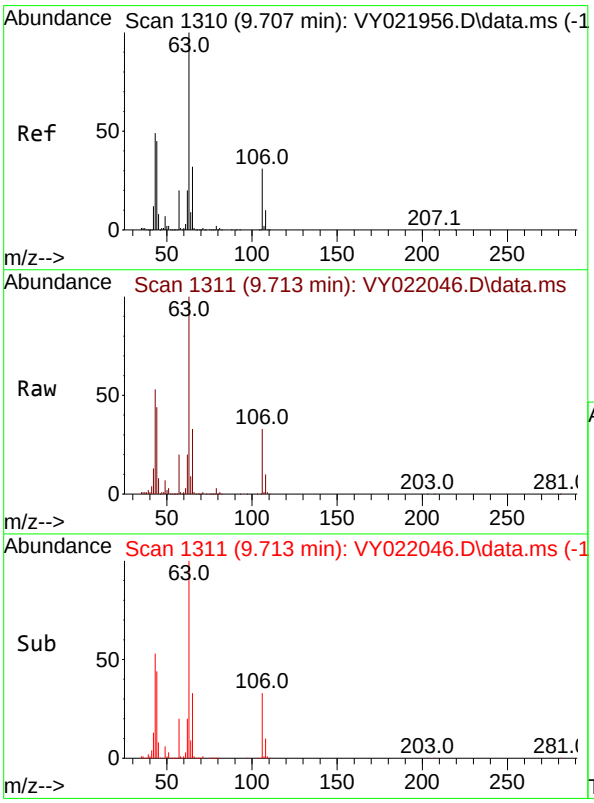
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

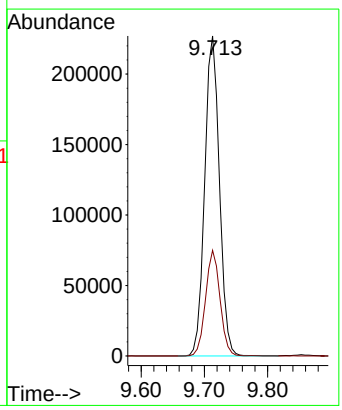


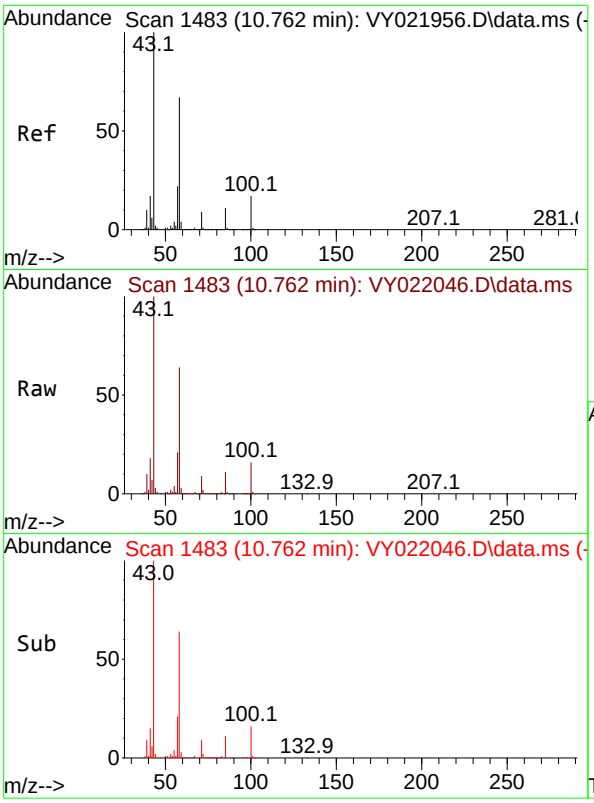


#58
2-Chloroethyl Vinyl ether
Concen: 264.171 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 63 Resp: 367778

Ion	Ratio	Lower	Upper
63	100		
106	32.4	25.3	37.9





#59
2-Hexanone
Concen: 257.500 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 26452

Ion	Ratio	Lower	Upper
43	100		
58	64.3	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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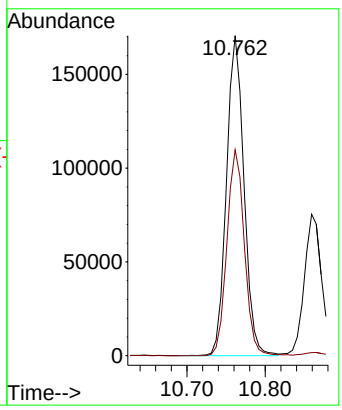
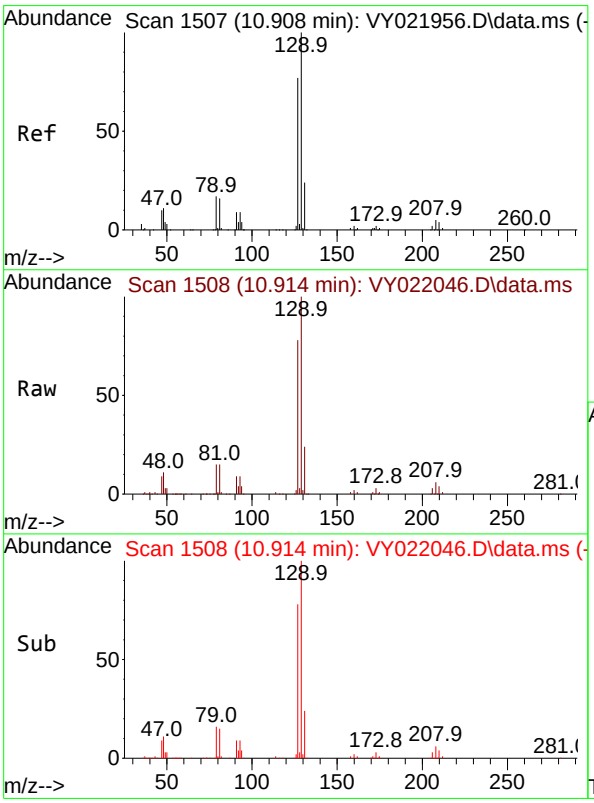
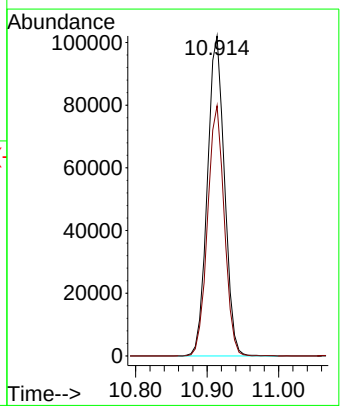


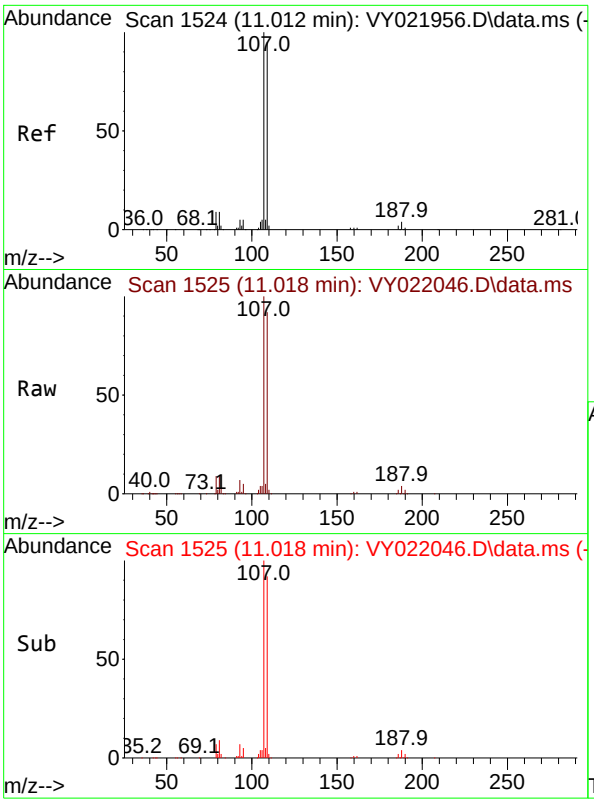


#60
Dibromochloromethane
Concen: 49.071 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:129 Resp: 169164

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3





#61
1,2-Dibromoethane
Concen: 48.774 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:107 Resp: 11465

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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Reviewed By :Semsettin Yesilyurt 04/30/2025
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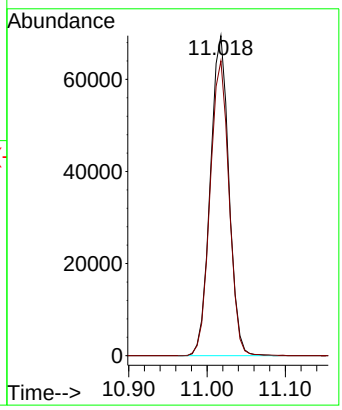
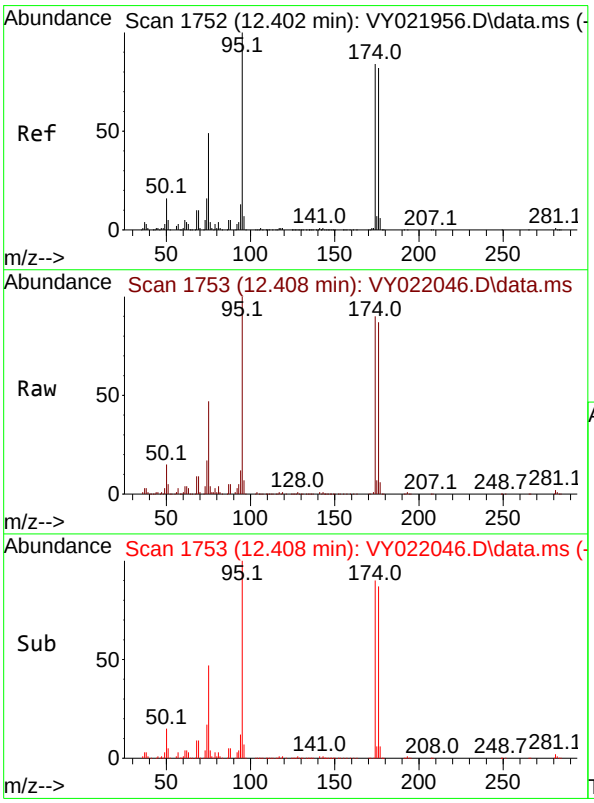
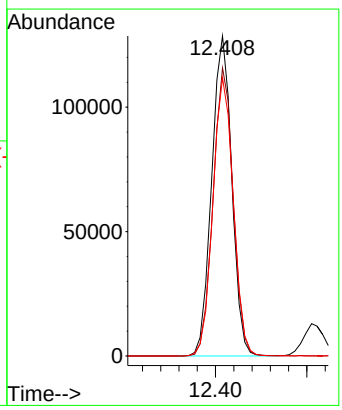


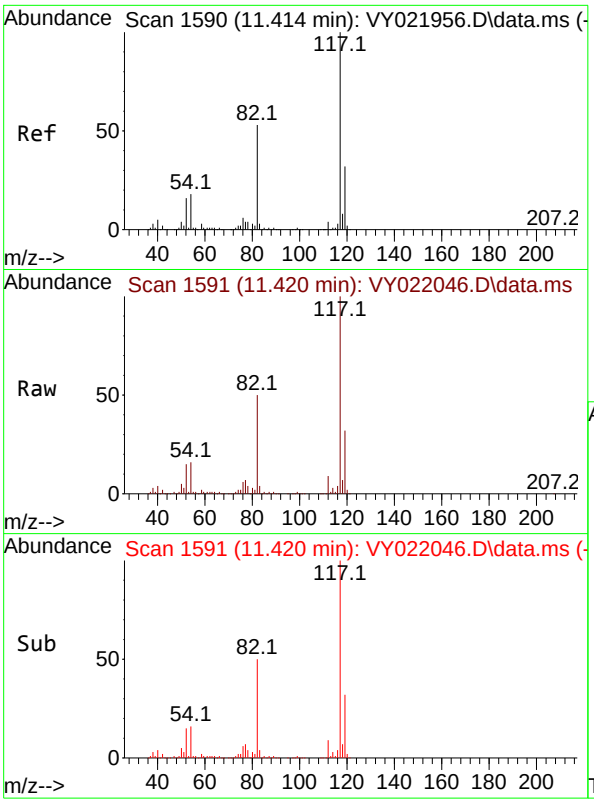


#62
4-Bromofluorobenzene
Concen: 48.133 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 95 Resp: 195893

Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	179.0
176	88.5	0.0	171.8

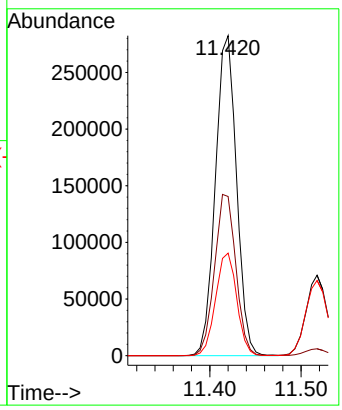




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:117 Resp: 45354

Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.1	63.1
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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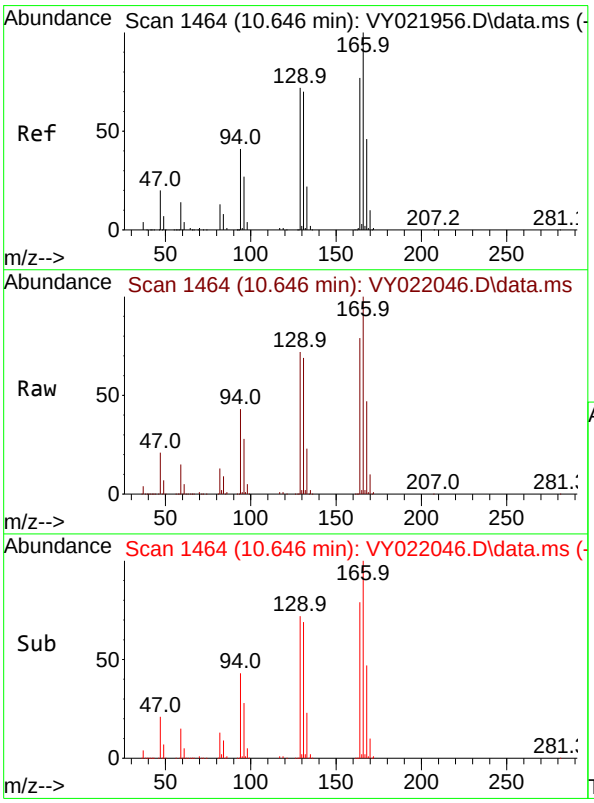
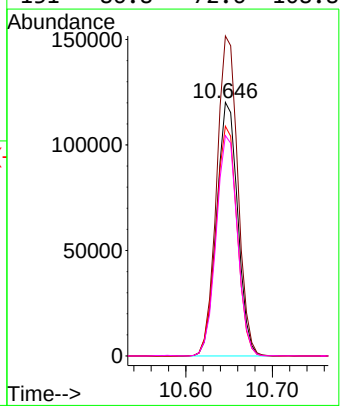
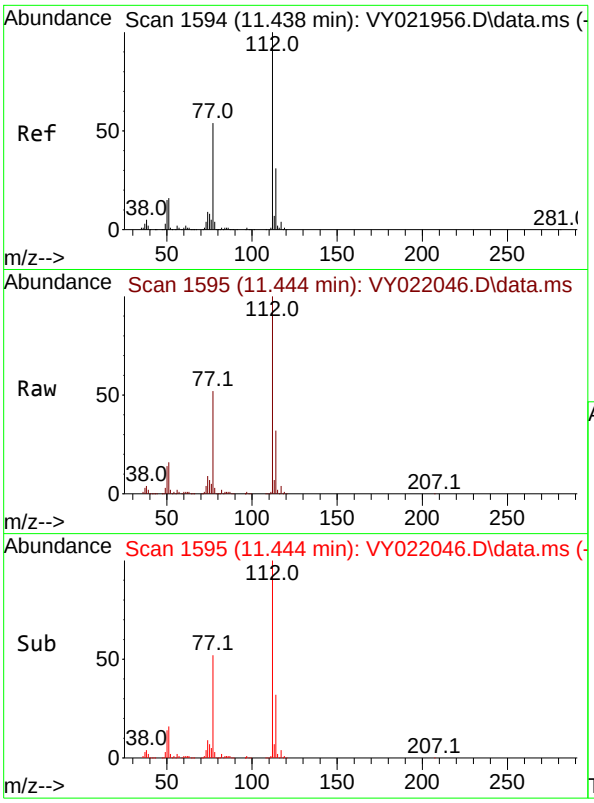


#64
Tetrachloroethene
Concen: 47.647 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:164 Resp: 203863

Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.6	155.4
129	90.6	74.2	111.4
131	86.8	72.6	108.8

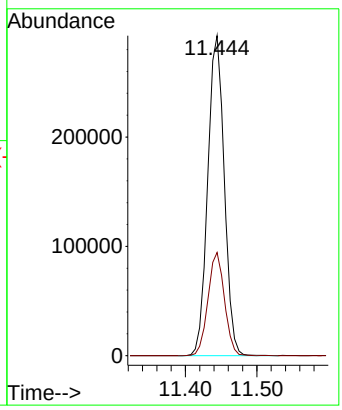




#65
Chlorobenzene
Concen: 46.234 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:112 Resp: 46893

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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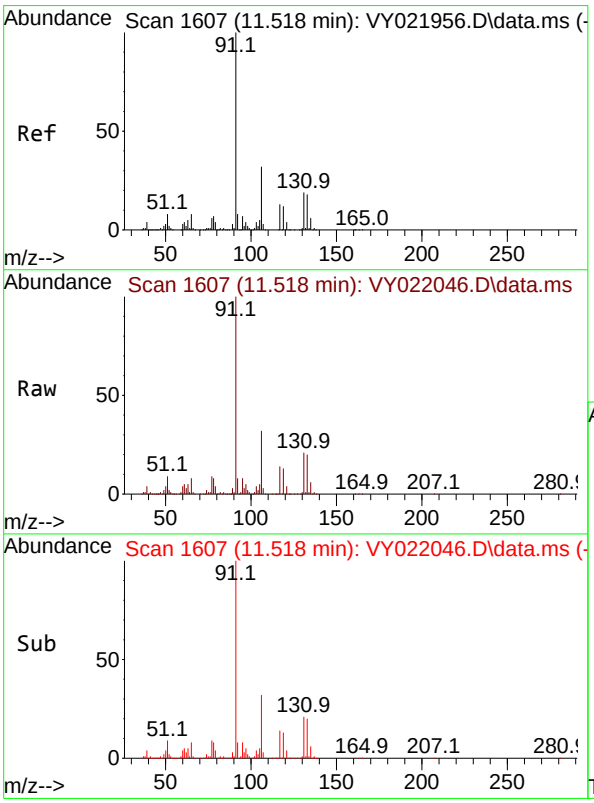
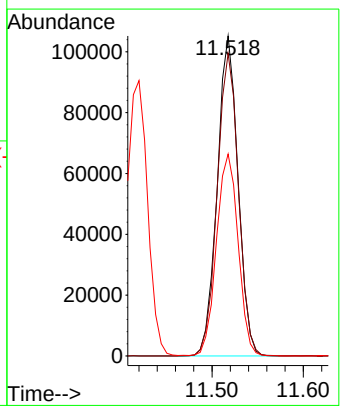
Supervised By :Mahesh Dadoda 04/30/2025

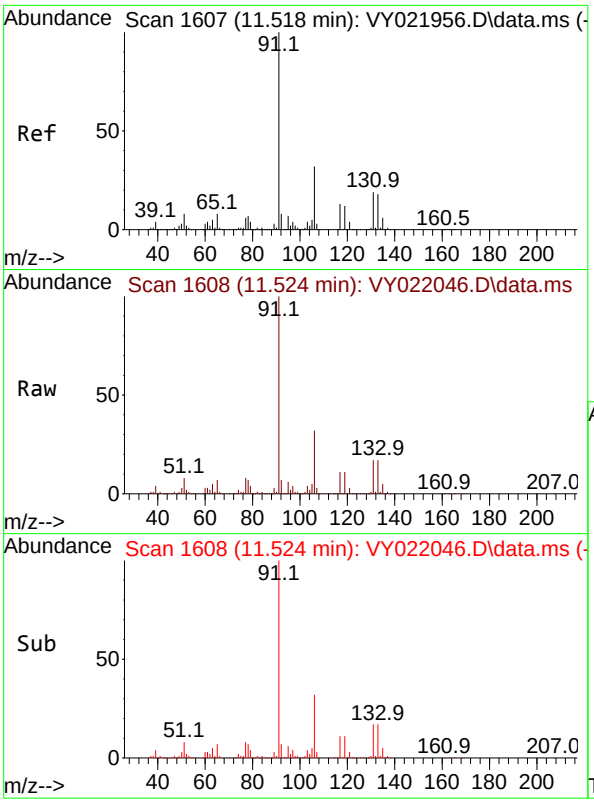


#66
1,1,1,2-Tetrachloroethane
Concen: 46.647 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:131 Resp: 166562

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.8	143.3
119	65.7	32.4	97.0





#67
Ethyl Benzene
Concen: 47.678 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 79105

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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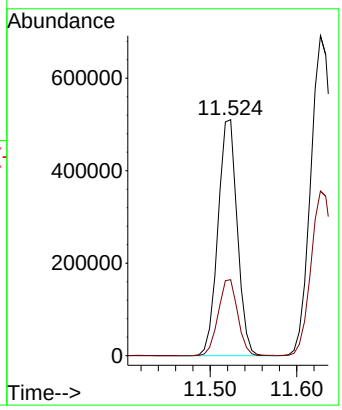
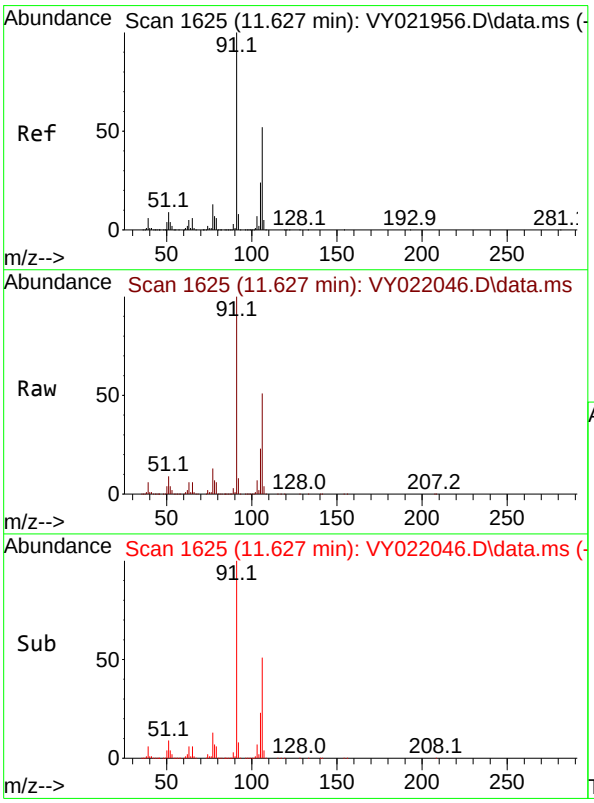
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

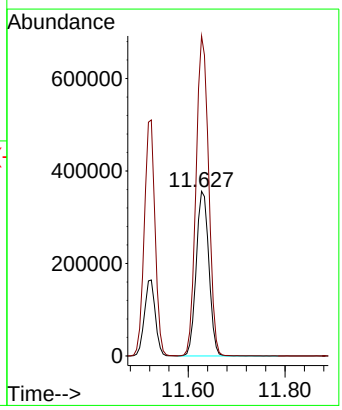


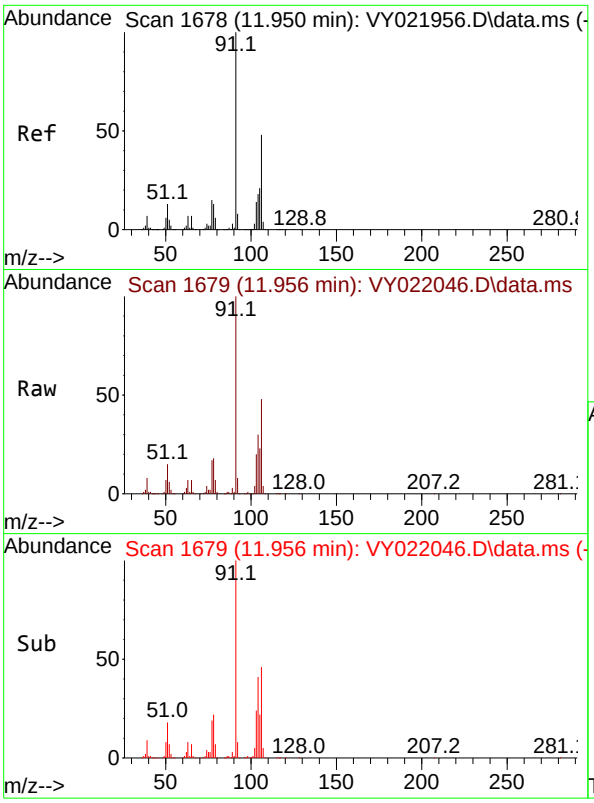


#68
m/p-Xylenes
Concen: 97.760 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:106 Resp: 645425

Ion	Ratio	Lower	Upper
106	100		
91	193.2	156.2	234.2

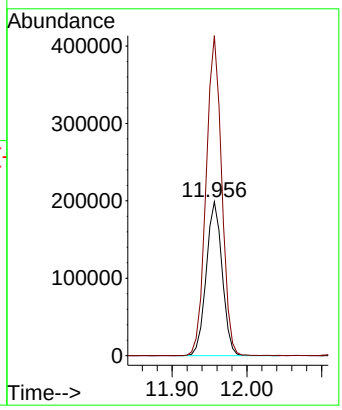




#69
o-Xylene
Concen: 48.395 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:106 Resp: 29448

Ion	Ratio	Lower	Upper
106	100		
91	203.5	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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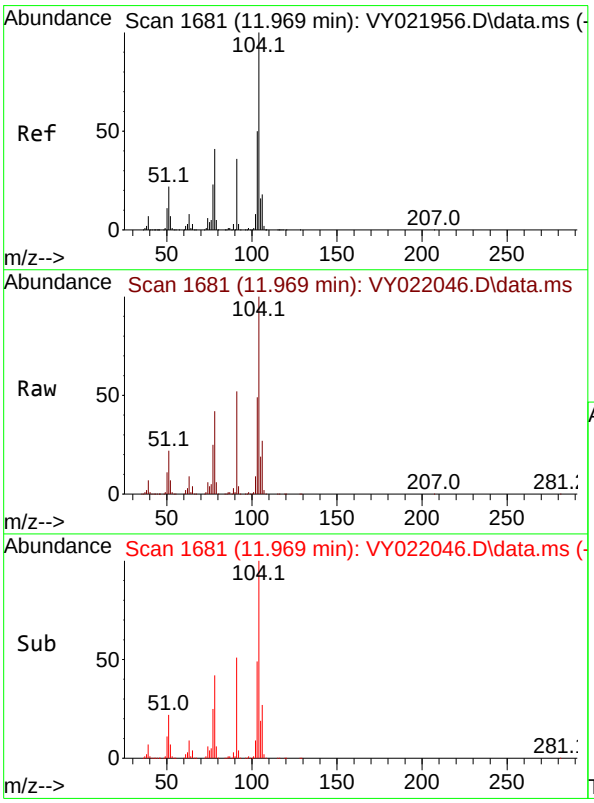
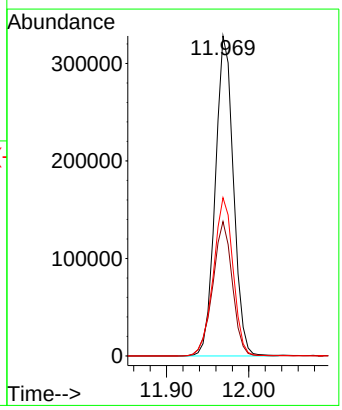
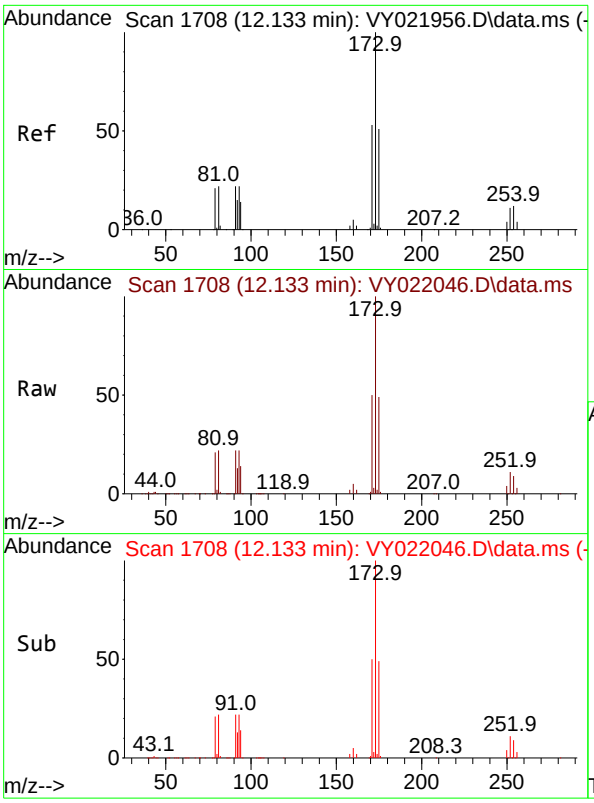


#70
Styrene
Concen: 49.256 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:104 Resp: 503254

Ion	Ratio	Lower	Upper
104	100		
78	45.2	36.6	54.8
103	53.7	43.8	65.8

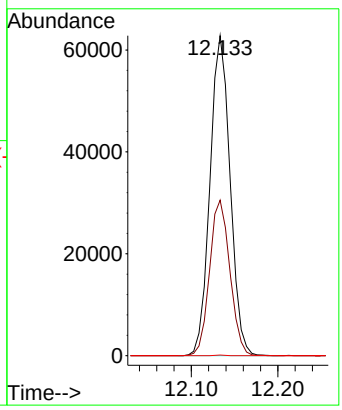




#71
Bromoform
Concen: 48.842 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:173 Resp: 10139

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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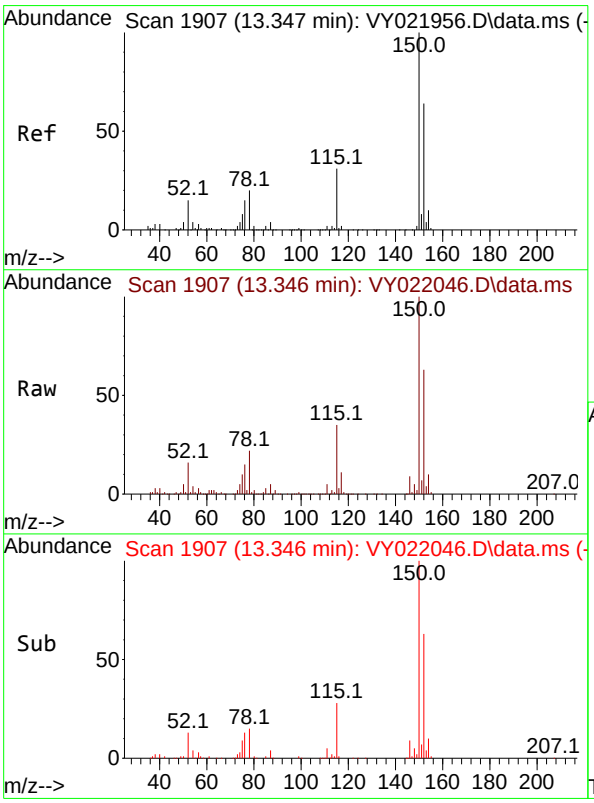
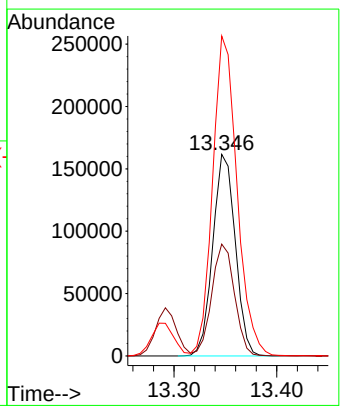
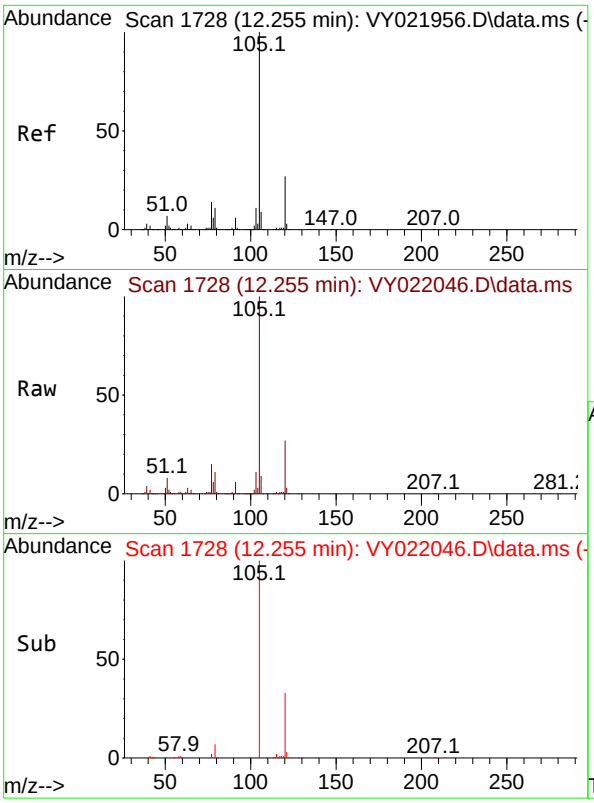


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:152 Resp: 245911

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	172.1	0.0	345.6

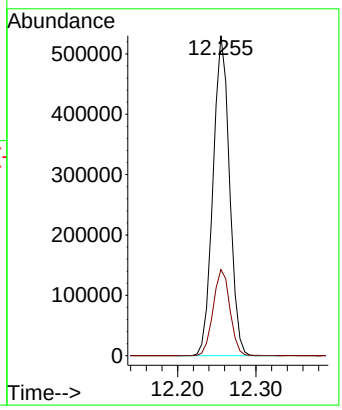




#73
Isopropylbenzene
Concen: 47.173 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:105 Resp: 77502

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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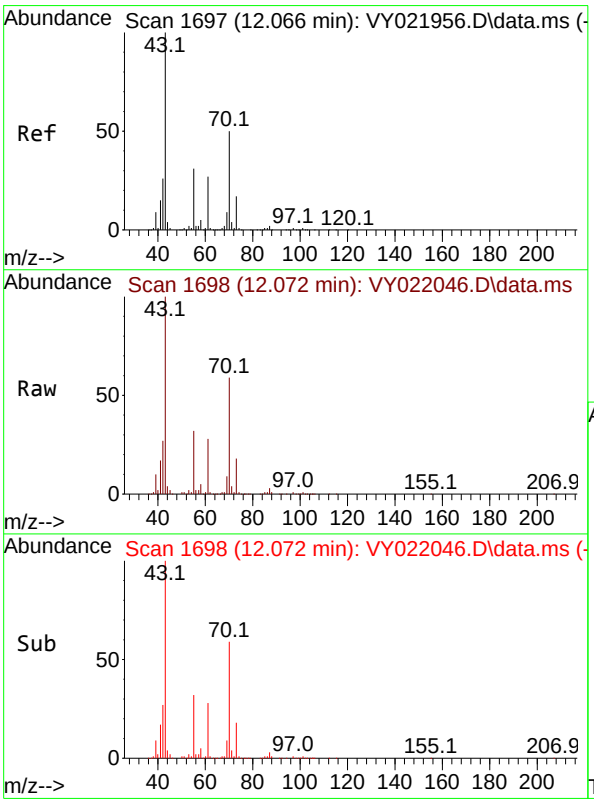
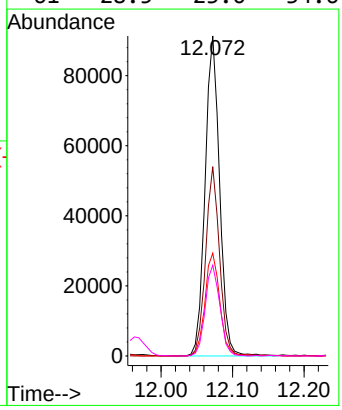
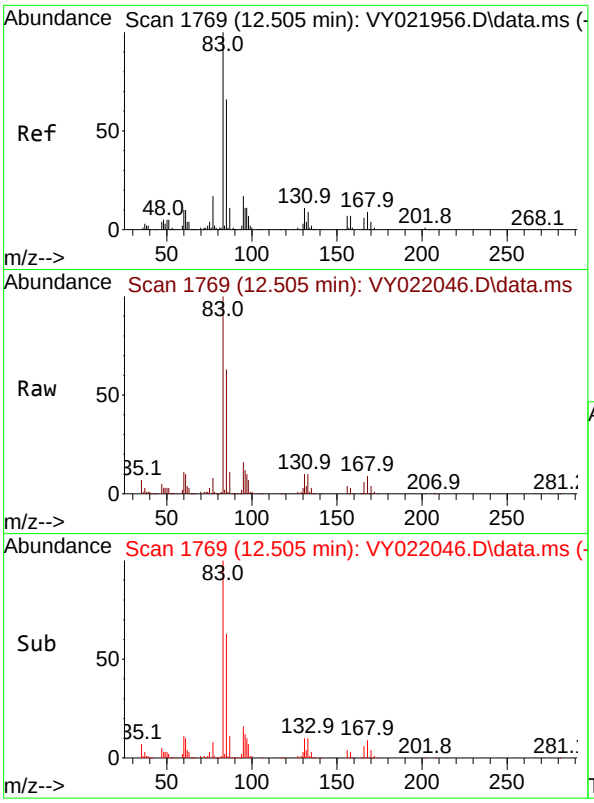


#74
N-amyl acetate
Concen: 45.674 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 128926

Ion	Ratio	Lower	Upper
43	100		
70	57.0	43.2	64.8
55	33.1	25.7	38.5
61	28.5	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 45.905 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

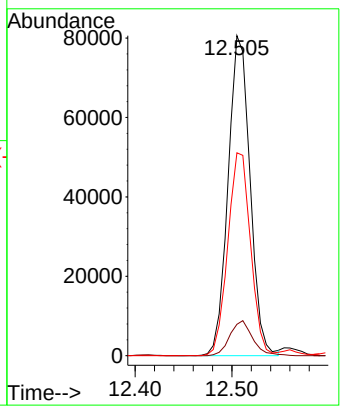
Tgt Ion: 83 Resp: 12715

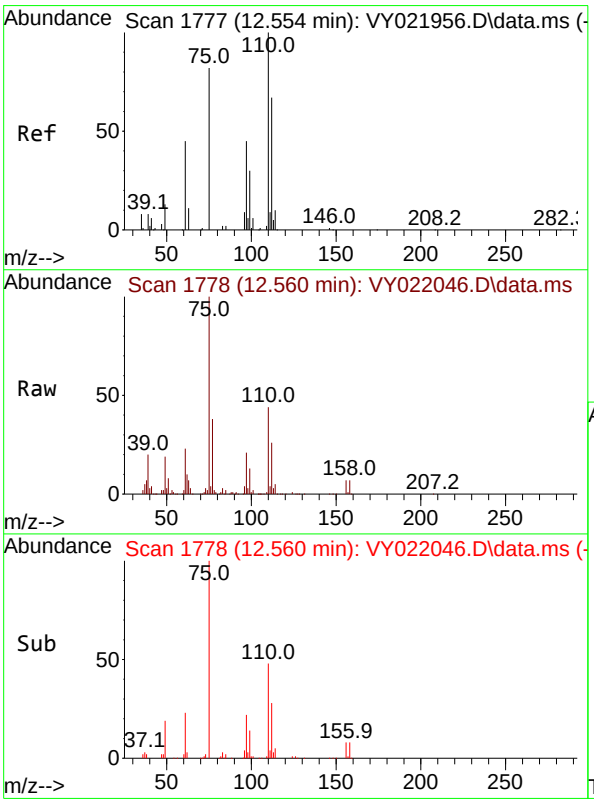
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	65.6	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

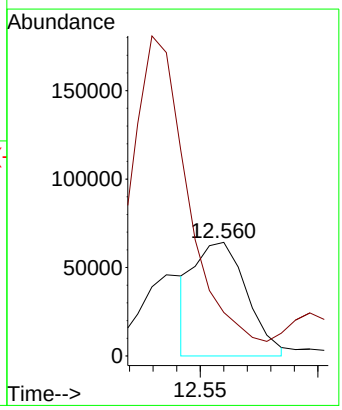


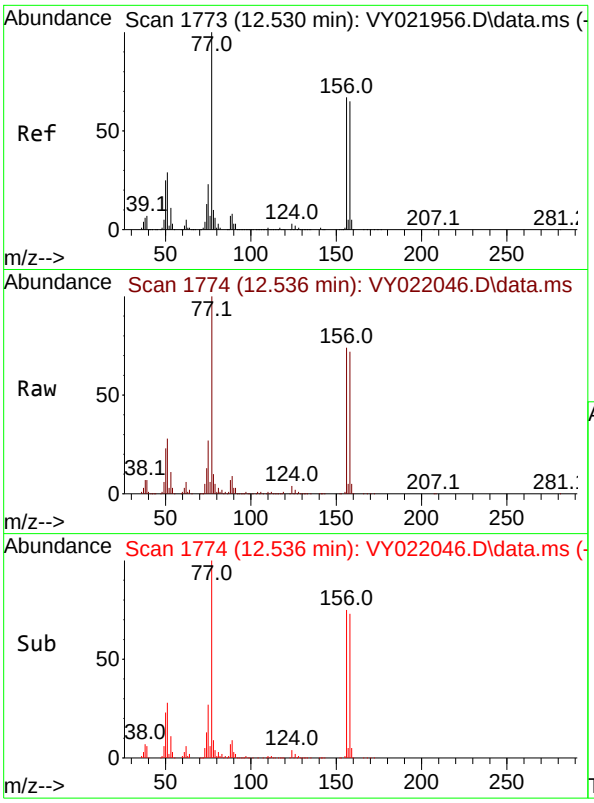


#76
1,2,3-Trichloropropane
Concen: 47.092 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 99193

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

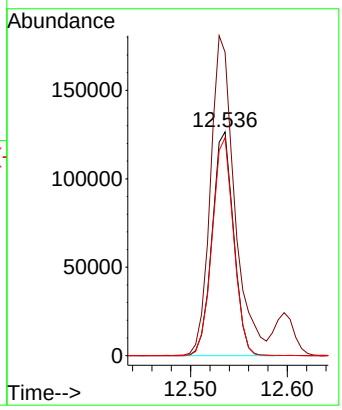




#77
Bromobenzene
Concen: 47.020 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:156 Resp: 19520

Ion	Ratio	Lower	Upper
156	100		
77	161.0	82.7	248.1
158	97.1	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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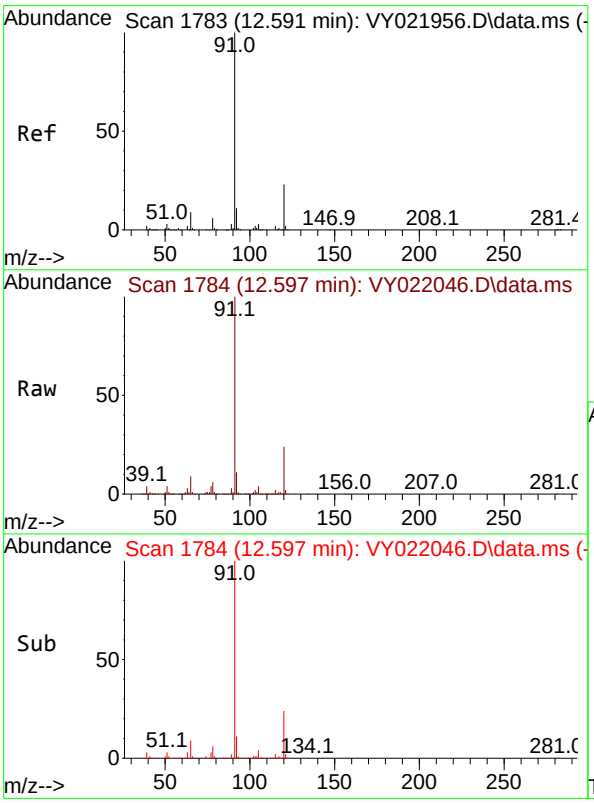
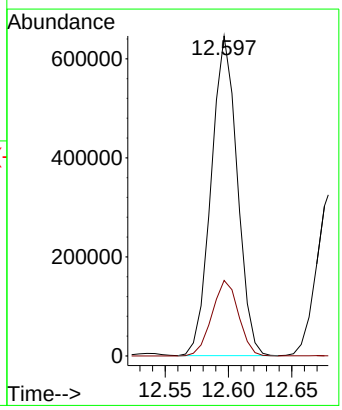
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

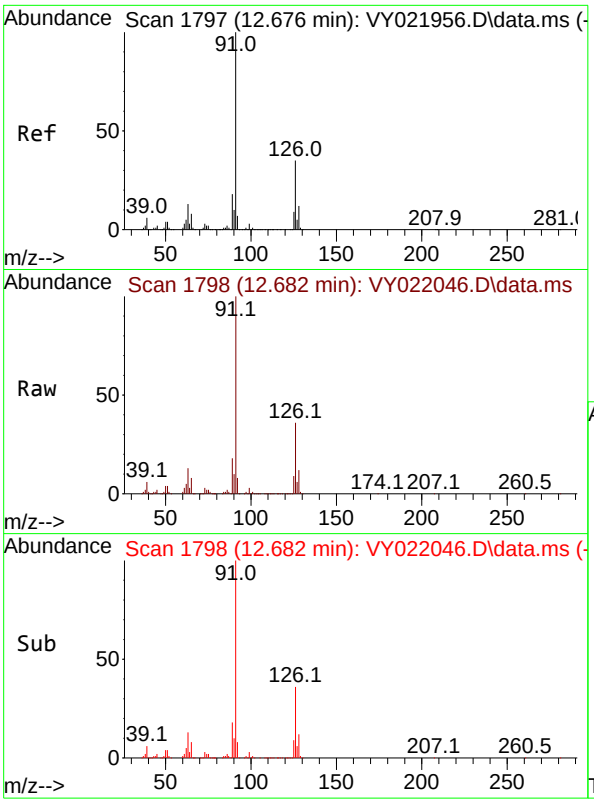


#78
n-propylbenzene
Concen: 47.296 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 925377

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5





#79
2-Chlorotoluene
Concen: 46.226 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 52598

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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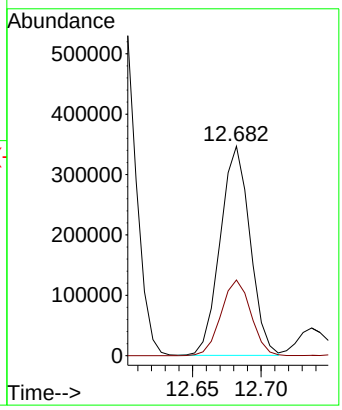
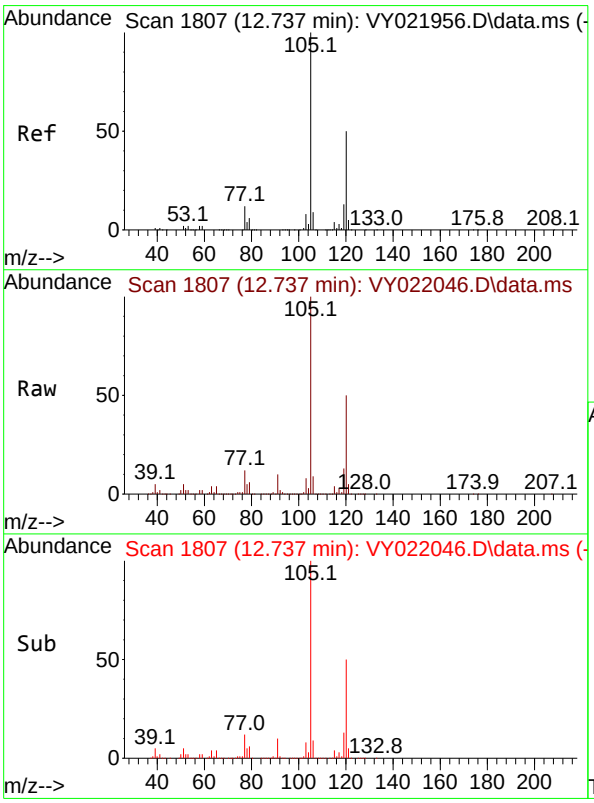
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

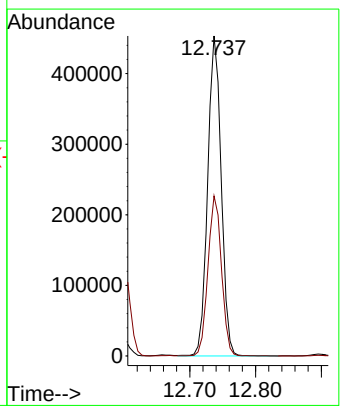


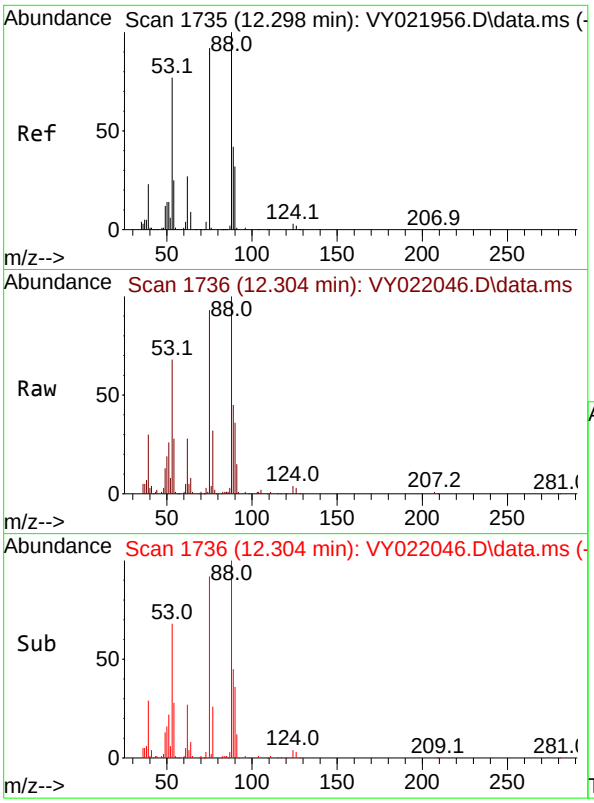


#80
1,3,5-Trimethylbenzene
Concen: 47.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:105 Resp: 647472

Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 45.956 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 4019

Ion	Ratio	Lower	Upper
75	100		
53	82.4	66.0	99.0
89	48.3	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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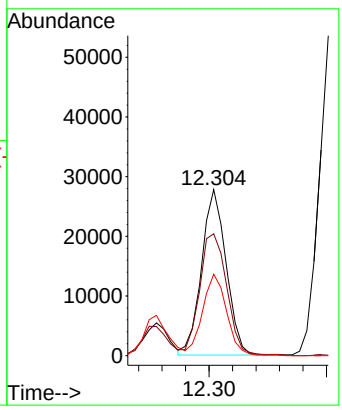
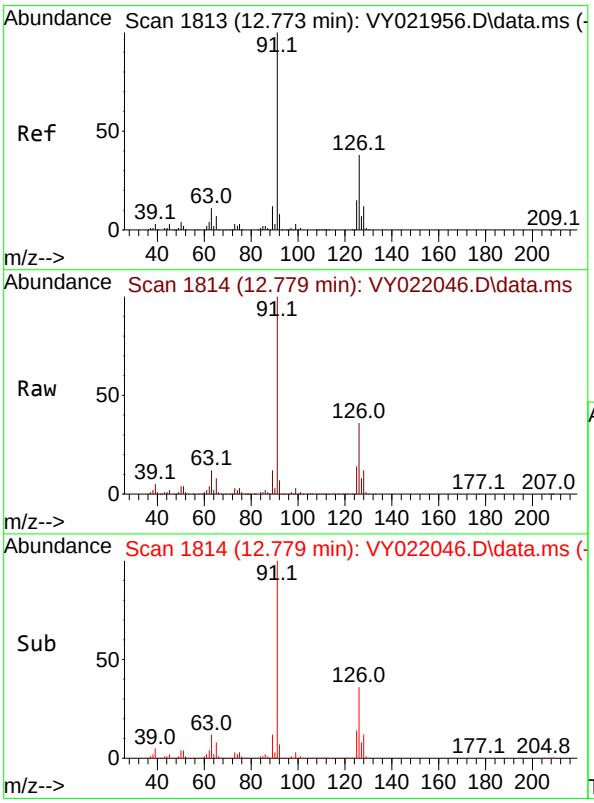
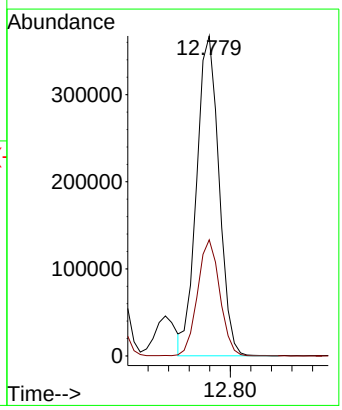


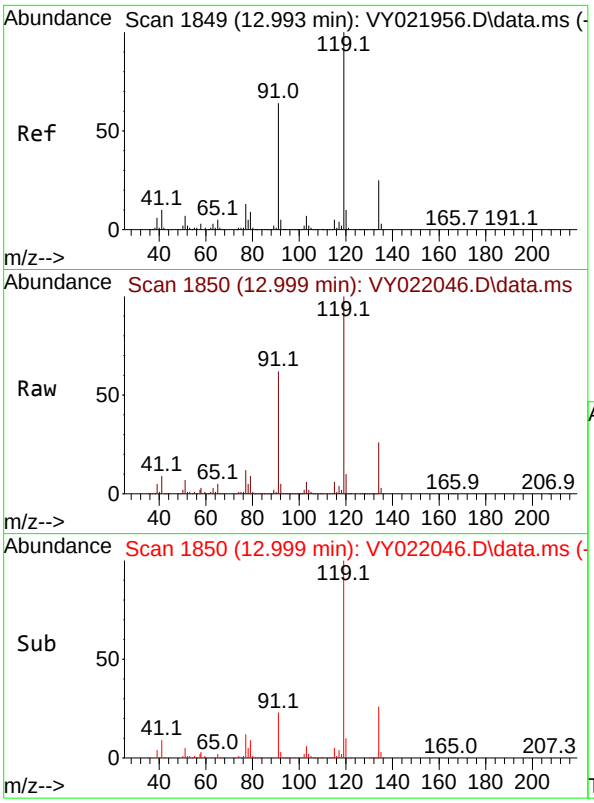


#82
4-Chlorotoluene
Concen: 46.986 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 555774

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8





#83
tert-Butylbenzene
Concen: 47.269 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:119 Resp: 57387

Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.3	90.9
134	26.6	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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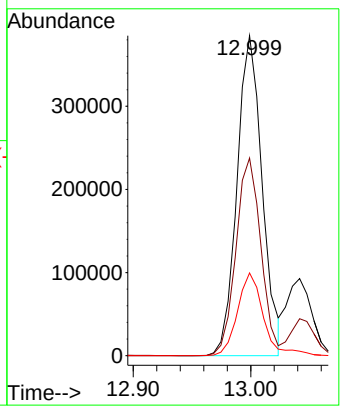
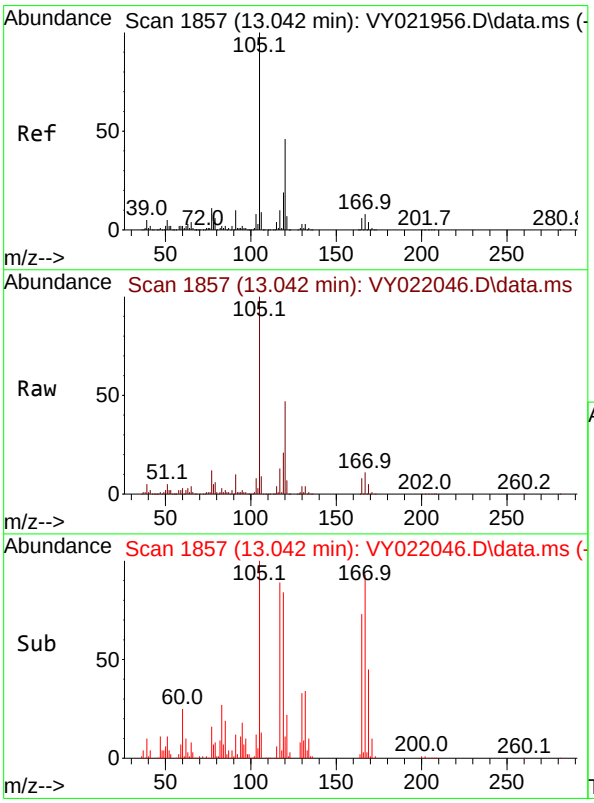
Supervised By :Mahesh Dadoda 04/30/2025

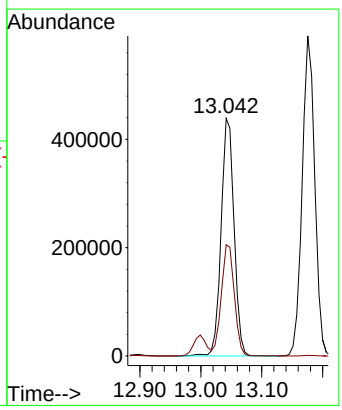


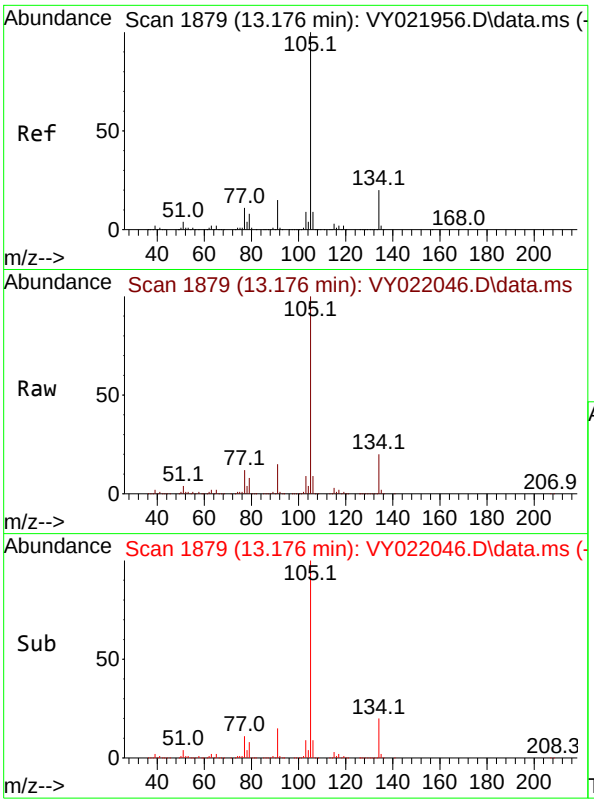


#84
1,2,4-Trimethylbenzene
Concen: 47.887 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:105 Resp: 648390

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.0





#85
sec-Butylbenzene
Concen: 47.496 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:105 Resp: 84377

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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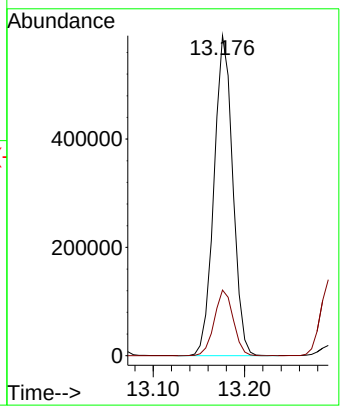
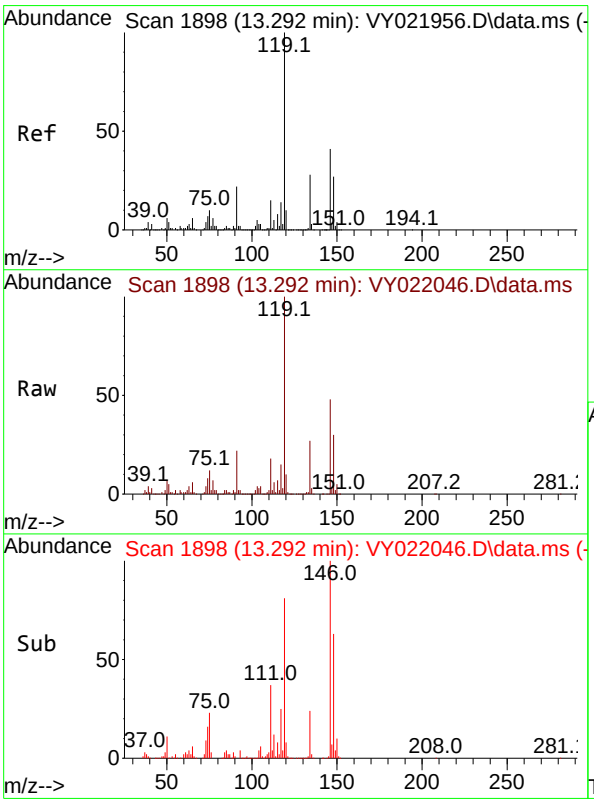
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

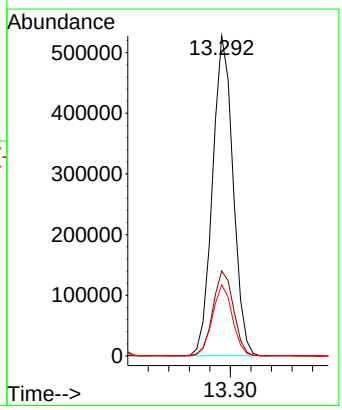


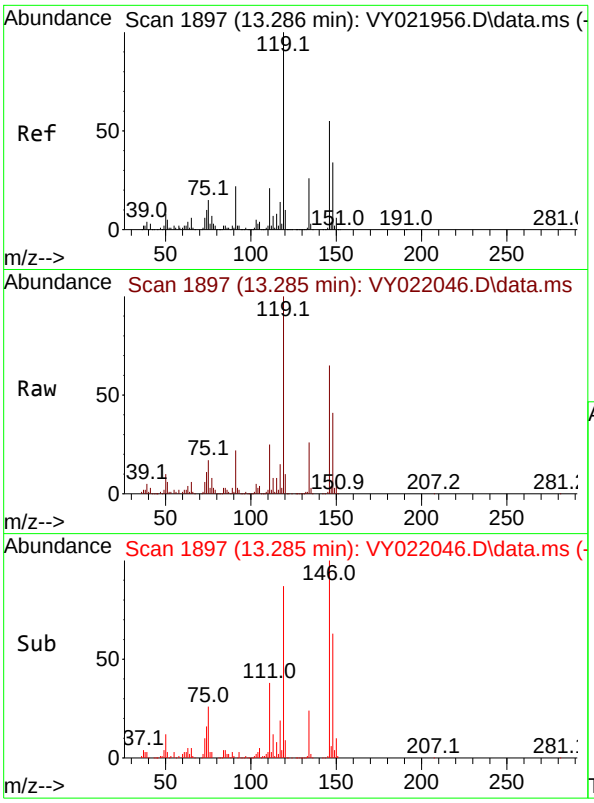


#86
p-Isopropyltoluene
Concen: 48.314 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:119 Resp: 728842

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	21.6	11.0	33.0

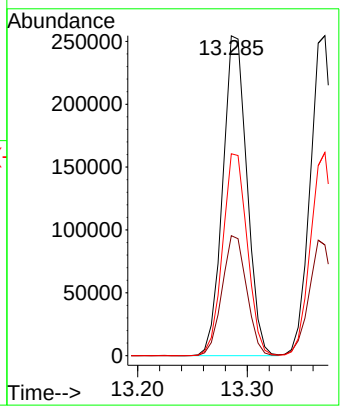




#87
1,3-Dichlorobenzene
Concen: 46.325 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:146 Resp: 39060

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	64.1	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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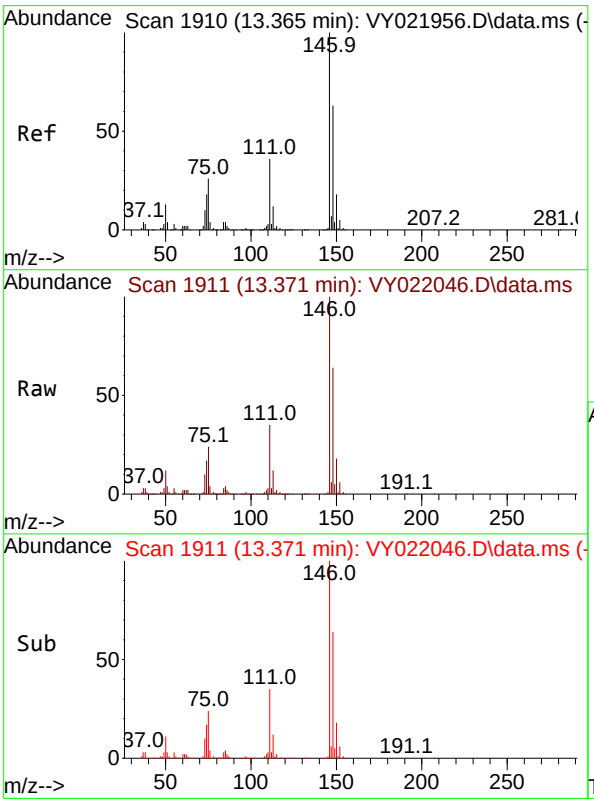
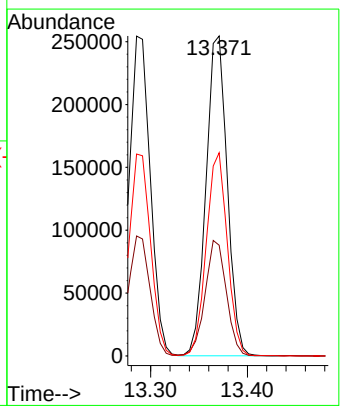
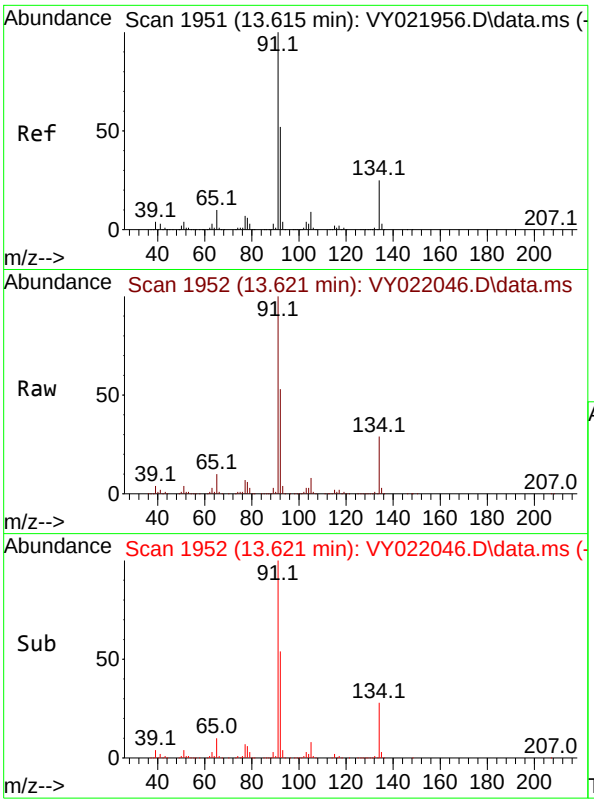


#88
1,4-Dichlorobenzene
Concen: 46.327 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:146 Resp: 386869

Ion	Ratio	Lower	Upper
146	100		
111	36.3	19.2	57.6
148	63.1	32.0	96.0

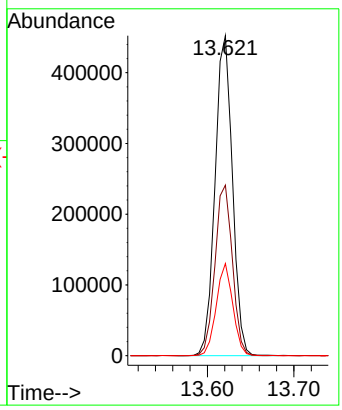




#89
n-Butylbenzene
Concen: 46.748 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 63034

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.5
134	27.5	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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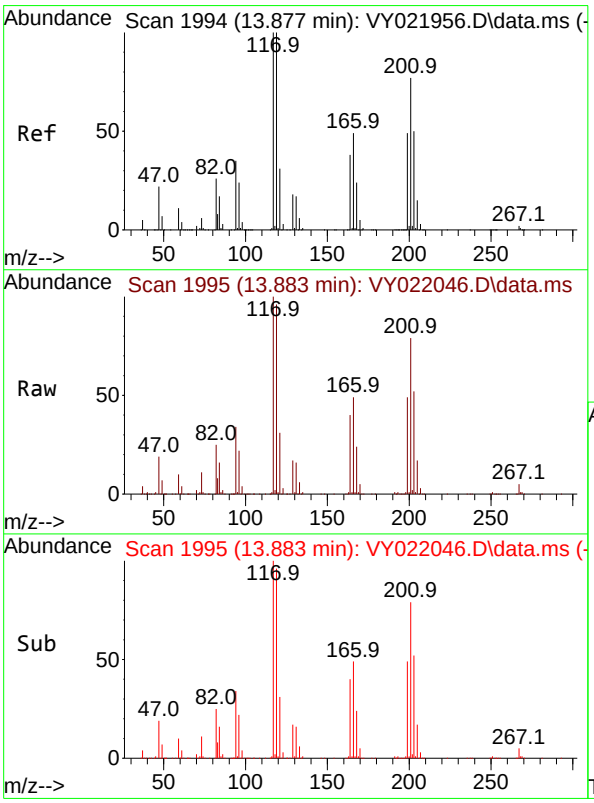
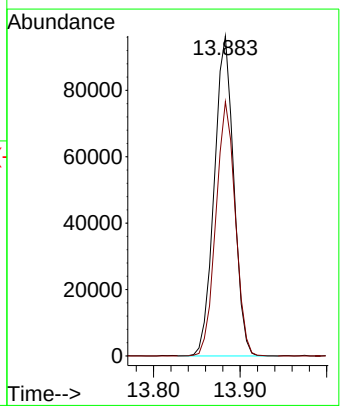
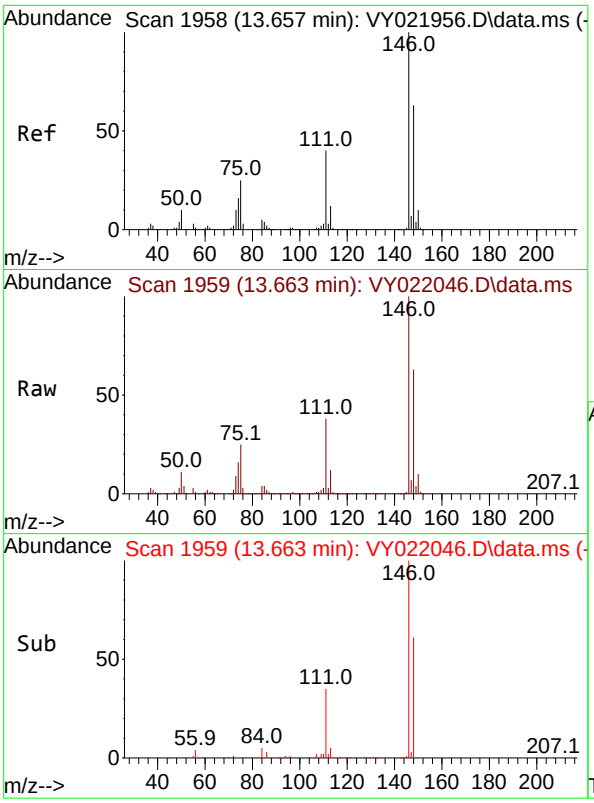


#90
Hexachloroethane
Concen: 45.482 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:117 Resp: 150746

Ion	Ratio	Lower	Upper
117	100		
201	79.0	38.7	116.1

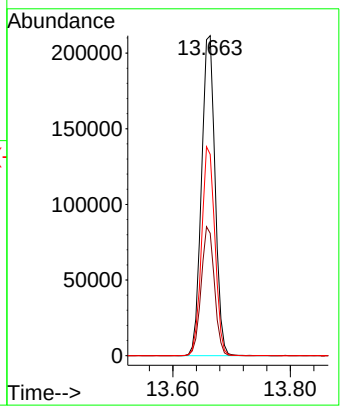




#91
1,2-Dichlorobenzene
Concen: 46.013 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:146 Resp: 33838

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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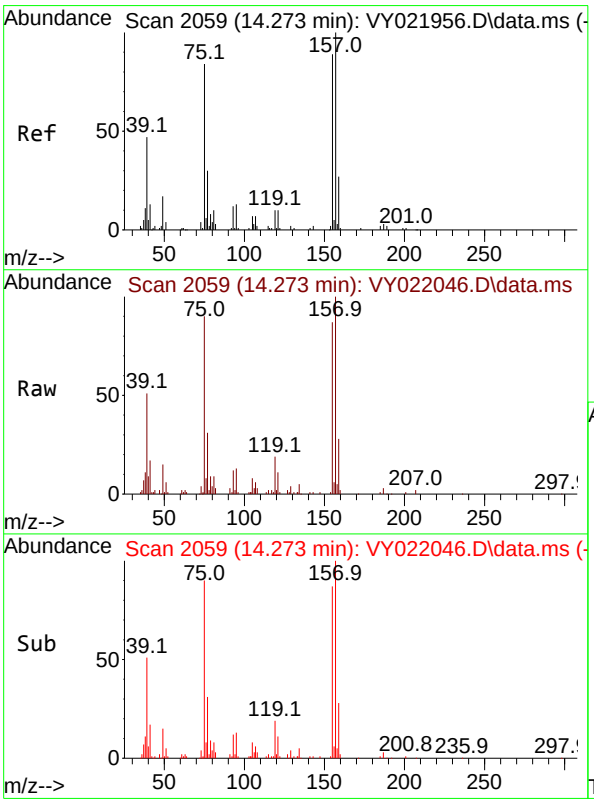
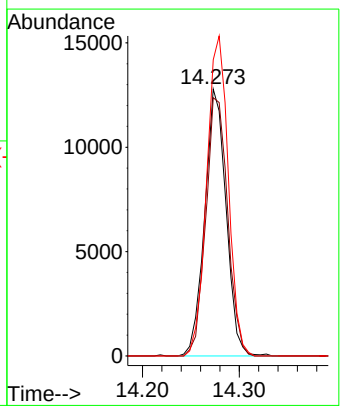
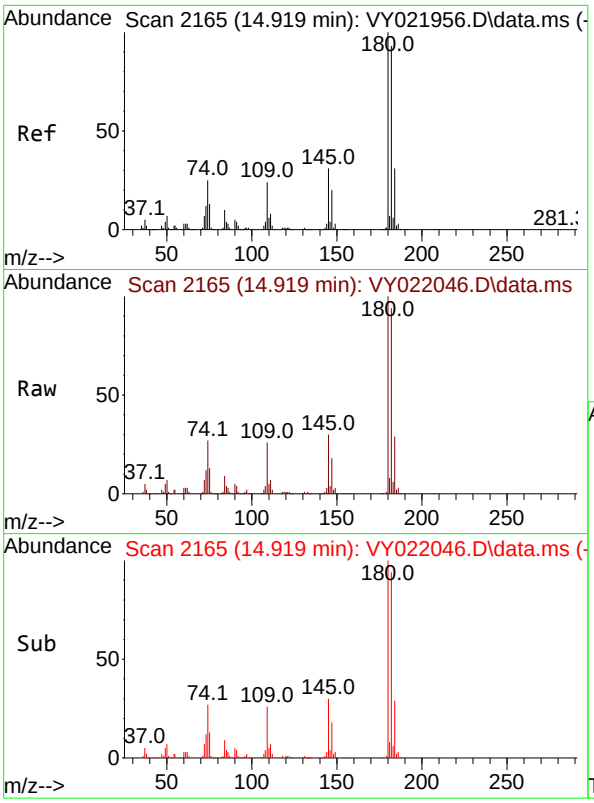


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.539 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 19628

Ion	Ratio	Lower	Upper
75	100		
155	99.1	50.7	152.3
157	120.9	62.6	187.8

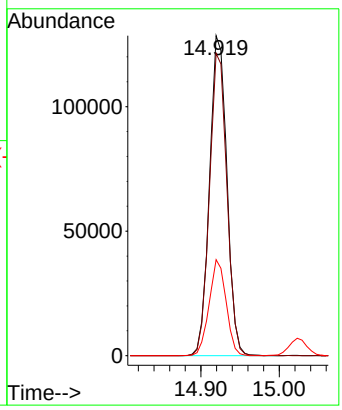




#93
1,2,4-Trichlorobenzene
Concen: 47.361 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:180 Resp: 19737

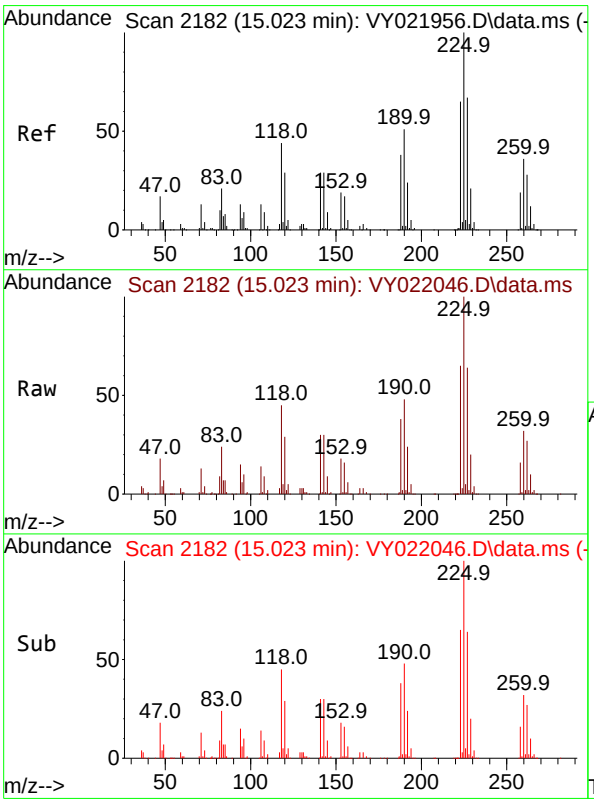
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.4
145	29.4	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

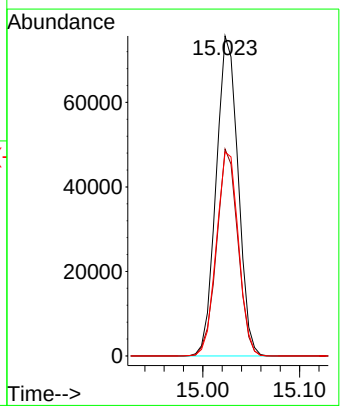
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

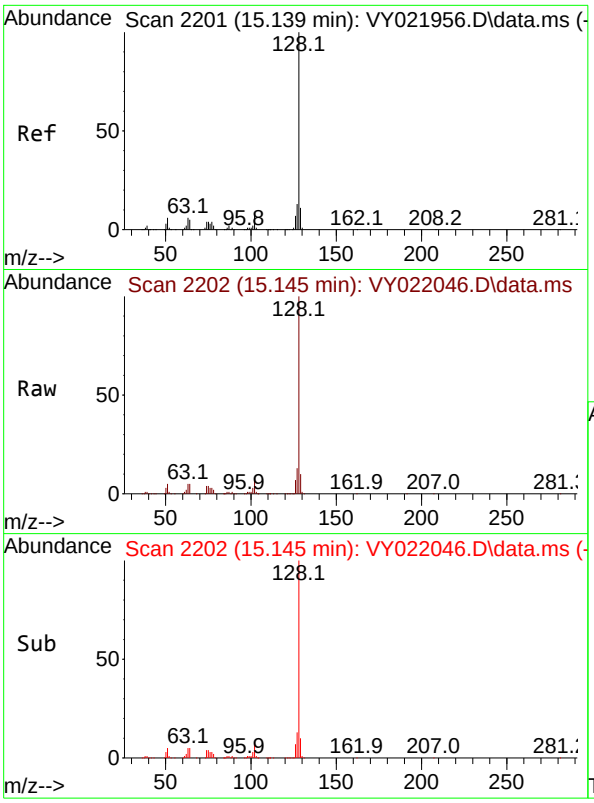


#94
Hexachlorobutadiene
Concen: 46.396 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:225 Resp: 118961

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	64.3	32.3	96.9

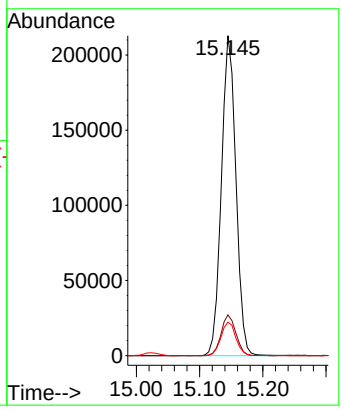




#95
Naphthalene
Concen: 48.746 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:128 Resp: 33746

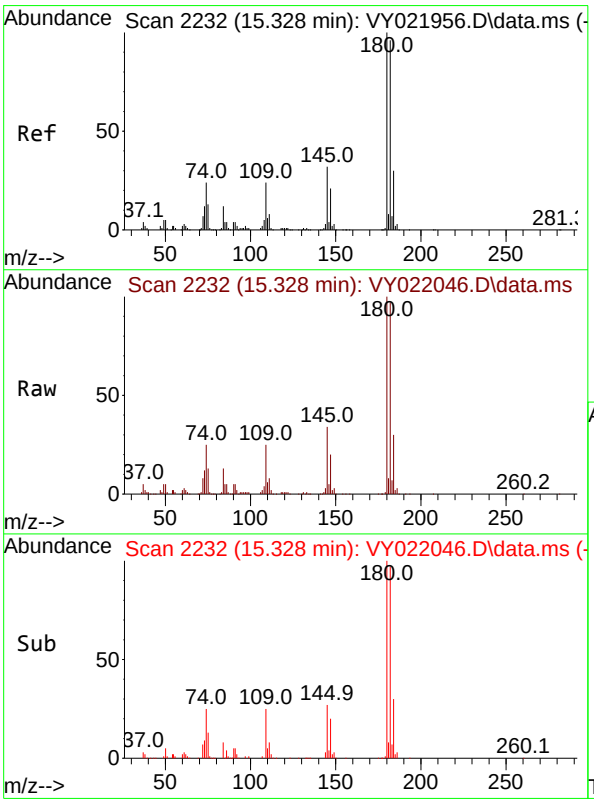
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

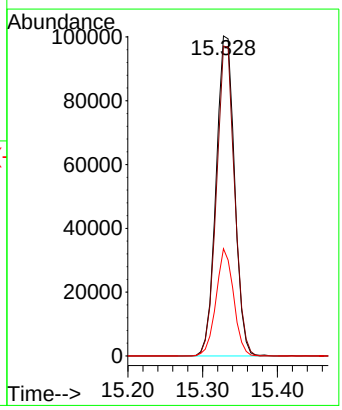
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.880 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:180 Resp: 172242

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.4
145	31.9	16.0	48.0



Sample Results: **VY022046.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
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: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2	T	Dichlorodifluoromethane	0.426	0.371	12.9	97	0.00
3	P	Chloromethane	0.607	0.532	12.4	91	0.00
4	C	Vinyl Chloride	0.745	0.666	10.6#	94	0.00
5	T	Bromomethane	0.642	0.514	19.9	89	0.00
6	T	Chloroethane	0.508	0.429	15.6	89	0.00
7	T	Trichlorofluoromethane	0.983	0.856	12.9	92	0.00
8	T	Diethyl Ether	0.256	0.216	15.6	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.466	12.6	98	0.00
10	T	Methyl Iodide	0.617	0.574	7.0	94	0.00
11	T	Tert butyl alcohol	0.025	0.023	8.0	89	0.00
12	CM	1,1-Dichloroethene	0.497	0.442	11.1#	96	0.00
13	T	Acrolein	0.046	0.043	6.5	103	0.00
14	T	Allyl chloride	0.579	0.501	13.5	93	0.00
15	T	Acrylonitrile	0.094	0.084	10.6	92	0.00
16	T	Acetone	0.070	0.065	7.1	106	0.00
17	T	Carbon Disulfide	1.585	1.366	13.8	94	0.00
18	T	Methyl Acetate	0.216	0.209	3.2	96	0.00
19	T	Methyl tert-butyl Ether	1.113	1.008	9.4	91	0.00
20	T	Methylene Chloride	0.584	0.468	19.9	90	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.489	12.2	94	0.01
22	T	Diisopropyl ether	1.288	1.156	10.2	92	0.00
23	T	Vinyl Acetate	0.694	0.630	9.2	90	0.00
24	P	1,1-Dichloroethane	0.893	0.776	13.1	93	0.00
25	T	2-Butanone	0.105	0.098	6.7	95	0.00
26	T	2,2-Dichloropropane	0.782	0.709	9.3	98	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.558	10.3	94	0.00
28	T	Bromochloromethane	0.347	0.322	7.2	96	0.00
29	T	Tetrahydrofuran	0.068	0.063	7.4	89	0.00
30	C	Chloroform	0.990	0.877	11.4#	94	0.00
31	T	Cyclohexane	0.763	0.661	13.4	96	0.00
32	T	1,1,1-Trichloroethane	0.896	0.789	11.9	95	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.402	13.0	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.330	0.314	4.8	92	0.00
36	T	1,1-Dichloropropene	0.444	0.412	7.2	94	0.00
37	T	Ethyl Acetate	0.159	0.152	4.4	91	0.00
38	T	Carbon Tetrachloride	0.530	0.509	4.0	97	0.00
39	T	Methylcyclohexane	0.558	0.529	5.2	93	0.00
40	TM	Benzene	1.387	1.301	6.2	95	0.00
41	T	Methacrylonitrile	0.087	0.072	17.2	76	0.00
42	TM	1,2-Dichloroethane	0.343	0.319	7.0	92	0.00
43	T	Isopropyl Acetate	0.306	0.284	7.2	88	0.00
44	TM	Trichloroethene	0.384	0.360	6.3	95	0.00
45	C	1,2-Dichloropropane	0.307	0.287	6.5#	93	0.00
46	T	Dibromomethane	0.192	0.181	5.7	94	0.00
47	T	Bromodichloromethane	0.480	0.457	4.8	94	0.00
48	T	Methyl methacrylate	0.141	0.139	1.4	90	0.00

Sample Results: **VY022046.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
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: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	98	0.00
50	S	Toluene-d8	1.245	1.202	3.5	92	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.161	-0.6	91	0.00
52	CM	Toluene	0.898	0.870	3.1#	95	0.00
53	T	t-1,3-Dichloropropene	0.411	0.393	4.4	92	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.462	5.5	93	0.00
55	T	1,1,2-Trichloroethane	0.256	0.247	3.5	94	0.00
56	T	Ethyl methacrylate	0.293	0.293	0.0	90	0.00
57	T	1,3-Dichloropropane	0.411	0.395	3.9	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.152	-6.3	92	0.00
59	T	2-Hexanone	0.106	0.109	-2.8	92	0.00
60	T	Dibromochloromethane	0.355	0.349	1.7	96	0.00
61	T	1,2-Dibromoethane	0.242	0.236	2.5	95	0.00
62	S	4-Bromofluorobenzene	0.419	0.404	3.6	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.472	0.449	4.9	98	0.00
65	PM	Chlorobenzene	1.118	1.034	7.5	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.367	6.9	94	0.00
67	C	Ethyl Benzene	1.829	1.744	4.6#	94	0.00
68	T	m/p-Xylenes	0.728	0.712	2.2	96	0.00
69	T	o-Xylene	0.671	0.649	3.3	93	0.00
70	T	Styrene	1.126	1.110	1.4	94	0.00
71	P	Bromoform	0.229	0.224	2.2	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.341	3.152	5.7	95	0.00
74	T	N-amyl acetate	0.574	0.524	8.7	89	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.517	8.2	94	0.00
76	T	1,2,3-Trichloropropane	0.428	0.403	5.8	100	0.00
77	T	Bromobenzene	0.844	0.794	5.9	96	0.00
78	T	n-propylbenzene	3.978	3.763	5.4	95	0.00
79	T	2-Chlorotoluene	2.314	2.139	7.6	94	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.633	4.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.163	8.4	92	0.00
82	T	4-Chlorotoluene	2.405	2.260	6.0	95	0.00
83	T	tert-Butylbenzene	2.468	2.334	5.4	94	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.637	4.2	95	0.00
85	T	sec-Butylbenzene	3.612	3.431	5.0	95	0.00
86	T	p-Isopropyltoluene	3.067	2.964	3.4	96	0.00
87	T	1,3-Dichlorobenzene	1.714	1.588	7.4	96	0.00
88	T	1,4-Dichlorobenzene	1.698	1.573	7.4	97	0.00
89	T	n-Butylbenzene	2.742	2.563	6.5	93	0.00
90	T	Hexachloroethane	0.674	0.613	9.1	96	0.00
91	T	1,2-Dichlorobenzene	1.495	1.376	8.0	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.080	11.1	95	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.803	5.2	98	0.00
94	T	Hexachlorobutadiene	0.521	0.484	7.1	101	0.00
95	T	Naphthalene	1.408	1.372	2.6	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
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: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.700	4.2	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022046.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
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: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	103	0.00
2	T	Dichlorodifluoromethane	50.000	43.507	13.0	97	0.00
3	P	Chloromethane	50.000	43.839	12.3	91	0.00
4	C	Vinyl Chloride	50.000	44.638	10.7#	94	0.00
5	T	Bromomethane	50.000	39.979	20.0	89	0.00
6	T	Chloroethane	50.000	42.293	15.4	89	0.00
7	T	Trichlorofluoromethane	50.000	43.517	13.0	92	0.00
8	T	Diethyl Ether	50.000	42.265	15.5	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.664	12.7	98	0.00
10	T	Methyl Iodide	50.000	46.504	7.0	94	0.00
11	T	Tert butyl alcohol	250.000	223.602	10.6	89	0.00
12	CM	1,1-Dichloroethene	50.000	44.442	11.1#	96	0.00
13	T	Acrolein	250.000	233.968	6.4	103	0.00
14	T	Allyl chloride	50.000	43.306	13.4	93	0.00
15	T	Acrylonitrile	250.000	223.027	10.8	92	0.00
16	T	Acetone	250.000	271.364	-8.5	106	0.00
17	T	Carbon Disulfide	50.000	43.107	13.8	94	0.00
18	T	Methyl Acetate	50.000	48.392	3.2	96	0.00
19	T	Methyl tert-butyl Ether	50.000	45.315	9.4	91	0.00
20	T	Methylene Chloride	50.000	40.043	19.9	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	43.924	12.2	94	0.01
22	T	Diisopropyl ether	50.000	44.895	10.2	92	0.00
23	T	Vinyl Acetate	250.000	226.736	9.3	90	0.00
24	P	1,1-Dichloroethane	50.000	43.448	13.1	93	0.00
25	T	2-Butanone	250.000	232.499	7.0	95	0.00
26	T	2,2-Dichloropropane	50.000	45.304	9.4	98	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.805	10.4	94	0.00
28	T	Bromochloromethane	50.000	46.456	7.1	96	0.00
29	T	Tetrahydrofuran	250.000	232.133	7.1	89	0.00
30	C	Chloroform	50.000	44.298	11.4#	94	0.00
31	T	Cyclohexane	50.000	43.306	13.4	96	0.00
32	T	1,1,1-Trichloroethane	50.000	44.057	11.9	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.532	12.9	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	47.486	5.0	92	0.00
36	T	1,1-Dichloropropene	50.000	46.442	7.1	94	0.00
37	T	Ethyl Acetate	50.000	47.597	4.8	91	0.00
38	T	Carbon Tetrachloride	50.000	48.012	4.0	97	0.00
39	T	Methylcyclohexane	50.000	47.325	5.3	93	0.00
40	TM	Benzene	50.000	46.906	6.2	95	0.00
41	T	Methacrylonitrile	50.000	41.395	17.2	76	0.00
42	TM	1,2-Dichloroethane	50.000	46.477	7.0	92	0.00
43	T	Isopropyl Acetate	50.000	46.389	7.2	88	0.00
44	TM	Trichloroethene	50.000	46.887	6.2	95	0.00
45	C	1,2-Dichloropropane	50.000	46.764	6.5#	93	0.00
46	T	Dibromomethane	50.000	47.082	5.8	94	0.00
47	T	Bromodichloromethane	50.000	47.592	4.8	94	0.00
48	T	Methyl methacrylate	50.000	49.274	1.5	90	0.00

Sample Results: **VY022046.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
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: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	997.336	0.3	98	0.00
50	S	Toluene-d8	50.000	48.273	3.5	92	0.00
51	T	4-Methyl-2-Pentanone	250.000	250.912	-0.4	91	0.00
52	CM	Toluene	50.000	48.468	3.1#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	47.779	4.4	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.184	5.6	93	0.00
55	T	1,1,2-Trichloroethane	50.000	48.179	3.6	94	0.00
56	T	Ethyl methacrylate	50.000	49.904	0.2	90	0.00
57	T	1,3-Dichloropropane	50.000	48.021	4.0	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	264.171	-5.7	92	0.00
59	T	2-Hexanone	250.000	257.500	-3.0	92	0.00
60	T	Dibromochloromethane	50.000	49.071	1.9	96	0.00
61	T	1,2-Dibromoethane	50.000	48.774	2.5	95	0.00
62	S	4-Bromofluorobenzene	50.000	48.133	3.7	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	47.647	4.7	98	0.00
65	PM	Chlorobenzene	50.000	46.234	7.5	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.647	6.7	94	0.00
67	C	Ethyl Benzene	50.000	47.678	4.6#	94	0.00
68	T	m/p-Xylenes	100.000	97.760	2.2	96	0.00
69	T	o-Xylene	50.000	48.395	3.2	93	0.00
70	T	Styrene	50.000	49.256	1.5	94	0.00
71	P	Bromoform	50.000	48.842	2.3	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	47.173	5.7	95	0.00
74	T	N-amyl acetate	50.000	45.674	8.7	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.905	8.2	94	0.00
76	T	1,2,3-Trichloropropane	50.000	47.092	5.8	100	0.00
77	T	Bromobenzene	50.000	47.020	6.0	96	0.00
78	T	n-propylbenzene	50.000	47.296	5.4	95	0.00
79	T	2-Chlorotoluene	50.000	46.226	7.5	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.830	4.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.956	8.1	92	0.00
82	T	4-Chlorotoluene	50.000	46.986	6.0	95	0.00
83	T	tert-Butylbenzene	50.000	47.269	5.5	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.887	4.2	95	0.00
85	T	sec-Butylbenzene	50.000	47.496	5.0	95	0.00
86	T	p-Isopropyltoluene	50.000	48.314	3.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	46.325	7.3	96	0.00
88	T	1,4-Dichlorobenzene	50.000	46.327	7.3	97	0.00
89	T	n-Butylbenzene	50.000	46.748	6.5	93	0.00
90	T	Hexachloroethane	50.000	45.482	9.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	46.013	8.0	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.539	10.9	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.361	5.3	98	0.00
94	T	Hexachlorobutadiene	50.000	46.396	7.2	101	0.00
95	T	Naphthalene	50.000	48.746	2.5	96	0.00

Sample Results: **VY022046.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
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: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	47.880	4.2	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022068.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 19:45

Lab File ID: VY022068.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.392		-7.98	50
Chloromethane	0.607	0.584	0.1	-3.79	50
Vinyl Chloride	0.745	0.747		0.27	50
Bromomethane	0.642	0.591		-7.94	50
Chloroethane	0.508	0.526		3.54	50
Tetrahydrofuran	0.068	0.075		10.29	50
Trichlorofluoromethane	0.983	0.980		-0.31	50
1,1,2-Trichlorotrifluoroethane	0.533	0.518		-2.81	50
1,1-Dichloroethene	0.497	0.510		2.62	50
Acrylonitrile	0.094	0.100		6.38	50
Acetone	0.070	0.067		-4.29	50
Carbon Disulfide	1.585	1.596		0.69	50
Methyl tert-butyl Ether	1.113	1.208		8.53	50
Methylene Chloride	0.584	0.579		-0.86	50
trans-1,2-Dichloroethene	0.557	0.593		6.46	50
1,1-Dichloroethane	0.893	0.947	0.1	6.05	50
2-Butanone	0.105	0.112		6.67	50
Carbon Tetrachloride	0.530	0.547		3.21	50
2,2-Dichloropropane	0.782	0.736		-5.88	50
cis-1,2-Dichloroethene	0.622	0.676		8.68	50
Chloroform	0.990	1.081		9.19	50
1,1,1-Trichloroethane	0.896	0.930		3.8	50
1,1-Dichloropropene	0.444	0.459		3.38	50
Benzene	1.387	1.496		7.86	50
1,2-Dichloroethane	0.343	0.368		7.29	50
Trichloroethene	0.384	0.405		5.47	50
1,2-Dichloropropane	0.307	0.333		8.47	50
Dibromomethane	0.192	0.212		10.42	50
Bromodichloromethane	0.480	0.531		10.63	50
4-Methyl-2-Pentanone	0.160	0.181		13.13	50
Toluene	0.898	0.999		11.25	50
t-1,3-Dichloropropene	0.411	0.441		7.3	50
cis-1,3-Dichloropropene	0.489	0.518		5.93	50
1,1,2-Trichloroethane	0.256	0.283		10.55	50
1,3-Dichloropropane	0.411	0.450		9.49	50
2-Hexanone	0.106	0.120		13.21	50
Dibromochloromethane	0.355	0.399		12.39	50
1,2-Dibromoethane	0.242	0.271		11.98	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022068.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 19:45

Lab File ID: VY022068.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.499		5.72	50
Chlorobenzene	1.118	1.173	0.3	4.92	50
1,1,1,2-Tetrachloroethane	0.394	0.419		6.34	50
Ethyl Benzene	1.829	1.971		7.76	50
m/p-Xylenes	0.728	0.794		9.07	50
o-Xylene	0.671	0.742		10.58	50
Styrene	1.126	1.274		13.14	50
Bromoform	0.229	0.250	0.1	9.17	50
Isopropylbenzene	3.341	3.484		4.28	50
1,1,2,2-Tetrachloroethane	0.563	0.571	0.3	1.42	50
1,2,3-Trichloropropane	0.428	0.388		-9.35	50
Bromobenzene	0.844	0.892		5.69	50
n-propylbenzene	3.978	4.103		3.14	50
2-Chlorotoluene	2.314	2.428		4.93	50
1,3,5-Trimethylbenzene	2.752	2.917		6	50
4-Chlorotoluene	2.405	2.490		3.53	50
tert-Butylbenzene	2.469	2.639		6.89	50
1,2,4-Trimethylbenzene	2.753	2.945		6.97	50
sec-Butylbenzene	3.612	3.723		3.07	50
p-Isopropyltoluene	3.067	3.215		4.83	50
1,3-Dichlorobenzene	1.714	1.764		2.92	50
1,4-Dichlorobenzene	1.698	1.739		2.41	50
n-Butylbenzene	2.742	2.700		-1.53	50
1,2-Dichlorobenzene	1.495	1.575		5.35	50
1,2-Dibromo-3-Chloropropane	0.090	0.091		1.11	50
1,2,4-Trichlorobenzene	0.847	0.888		4.84	50
Hexachlorobutadiene	0.521	0.532		2.11	50
1,2,3-Trichlorobenzene	0.731	0.813		11.22	50
1,2-Dichloroethane-d4	0.462	0.480		3.9	50
Dibromofluoromethane	0.330	0.352		6.67	50
Toluene-d8	1.245	1.337		7.39	50
4-Bromofluorobenzene	0.419	0.447		6.68	50
trans-1,4-Dichloro-2-butene	0.178	0.168		-5.62	50

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\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	269052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	418891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129218	51.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.000%			
35) Dibromofluoromethane	7.634	113	147355	53.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.500%			
50) Toluene-d8	10.103	98	560009	53.676	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.360%			
62) 4-Bromofluorobenzene	12.401	95	187088	53.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	105386	45.968	ug/l	97
3) Chloromethane	2.068	50	157111	48.129	ug/l	100
4) Vinyl Chloride	2.202	62	201105	50.132	ug/l	96
5) Bromomethane	2.592	94	158978	46.000	ug/l	99
6) Chloroethane	2.726	64	141458	51.778	ug/l	97
7) Trichlorofluoromethane	3.049	101	263632	49.838	ug/l	98
8) Diethyl Ether	3.446	74	69931	50.792	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	139332	48.556	ug/l	100
10) Methyl Iodide	4.000	142	180042	54.192	ug/l	99
11) Tert butyl alcohol	4.860	59	36746	269.330	ug/l	98
12) 1,1-Dichloroethene	3.781	96	137296	51.332	ug/l	99
13) Acrolein	3.653	56	55383	226.169	ug/l	98
14) Allyl chloride	4.378	41	160157	51.426	ug/l	98
15) Acrylonitrile	5.055	53	134934	267.708	ug/l	99
16) Acetone	3.866	43	90333	280.286	ug/l	97
17) Carbon Disulfide	4.104	76	429374	50.348	ug/l	98
18) Methyl Acetate	4.378	43	87481	75.357	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	325033	54.295	ug/l	98
20) Methylene Chloride	4.610	84	155832	49.589	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	159575	53.273	ug/l	98
22) Diisopropyl ether	6.012	45	379582	54.768	ug/l	97
23) Vinyl Acetate	5.957	43	924022	247.385	ug/l	100
24) 1,1-Dichloroethane	5.909	63	254741	53.026	ug/l	98
25) 2-Butanone	6.890	43	150563	265.784	ug/l	99
26) 2,2-Dichloropropane	6.878	77	197993	47.023	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	182008	54.341	ug/l	99
28) Bromochloromethane	7.244	49	99494	53.320	ug/l	97
29) Tetrahydrofuran	7.256	42	100821	274.027	ug/l	97
30) Chloroform	7.414	83	290919	54.594	ug/l	98
31) Cyclohexane	7.701	56	196536	47.840	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	250288	51.916	ug/l	99
36) 1,1-Dichloropropene	7.835	75	192081	51.671	ug/l	99
37) Ethyl Acetate	6.982	43	65862	49.331	ug/l	99
38) Carbon Tetrachloride	7.811	117	228976	51.548	ug/l	98
39) Methylcyclohexane	9.109	83	232877	49.780	ug/l	96
40) Benzene	8.079	78	626786	53.938	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	32666	44.758	ug/l	#	81
42) 1,2-Dichloroethane	8.152	62	154213	53.601	ug/l		100
43) Isopropyl Acetate	8.195	43	135555	52.869	ug/l		99
44) Trichloroethene	8.859	130	169810	52.758	ug/l		98
45) 1,2-Dichloropropane	9.140	63	139643	54.340	ug/l		98
46) Dibromomethane	9.231	93	88680	55.126	ug/l		99
47) Bromodichloromethane	9.420	83	222605	55.392	ug/l		98
48) Methyl methacrylate	9.219	41	64303	54.252	ug/l		95
49) 1,4-Dioxane	9.231	88	19122	1115.262	ug/l		95
51) 4-Methyl-2-Pentanone	9.993	43	378540	281.640	ug/l		100
52) Toluene	10.170	92	418680	55.661	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	184667	53.573	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	217032	52.967	ug/l		99
55) 1,1,2-Trichloroethane	10.566	97	118716	55.247	ug/l		99
56) Ethyl methacrylate	10.438	69	135933	55.318	ug/l		99
57) 1,3-Dichloropropane	10.713	76	188396	54.690	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	350286	291.553	ug/l		100
59) 2-Hexanone	10.755	43	250877	282.992	ug/l		99
60) Dibromochloromethane	10.908	129	167173	56.193	ug/l		99
61) 1,2-Dibromoethane	11.011	107	113453	55.927	ug/l		98
64) Tetrachloroethene	10.646	164	198180	52.857	ug/l		99
65) Chlorobenzene	11.438	112	466269	52.461	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	166548	53.227	ug/l		99
67) Ethyl Benzene	11.517	91	783494	53.889	ug/l		100
68) m/p-Xylenes	11.627	106	630948	109.058	ug/l		99
69) o-Xylene	11.950	106	294908	55.305	ug/l		98
70) Styrene	11.969	104	506252	56.544	ug/l		99
71) Bromoform	12.127	173	99214	54.537	ug/l	#	100
73) Isopropylbenzene	12.255	105	754507	52.147	ug/l		100
74) N-amyl acetate	12.066	43	123233	49.573	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	123603	50.669	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	83982m	45.273	ug/l		
77) Bromobenzene	12.529	156	193134	52.825	ug/l		98
78) n-propylbenzene	12.590	91	888566	51.568	ug/l		99
79) 2-Chlorotoluene	12.676	91	525787	52.469	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	631673	52.985	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	36338	47.174	ug/l		99
82) 4-Chlorotoluene	12.773	91	539217	51.763	ug/l		99
83) tert-Butylbenzene	12.993	119	571459	53.448	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	637834	53.490	ug/l		99
85) sec-Butylbenzene	13.170	105	806330	51.537	ug/l		100
86) p-Isopropyltoluene	13.291	119	696362	52.415	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	382082	51.454	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	376582	51.205	ug/l		99
89) n-Butylbenzene	13.615	91	584788	49.245	ug/l		100
90) Hexachloroethane	13.877	117	148747	50.959	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	341181	52.679	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19629	50.577	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	192235	52.378	ug/l		99
94) Hexachlorobutadiene	15.023	225	115180	51.008	ug/l		99
95) Naphthalene	15.145	128	344610	56.524	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	176155	55.603	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

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

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

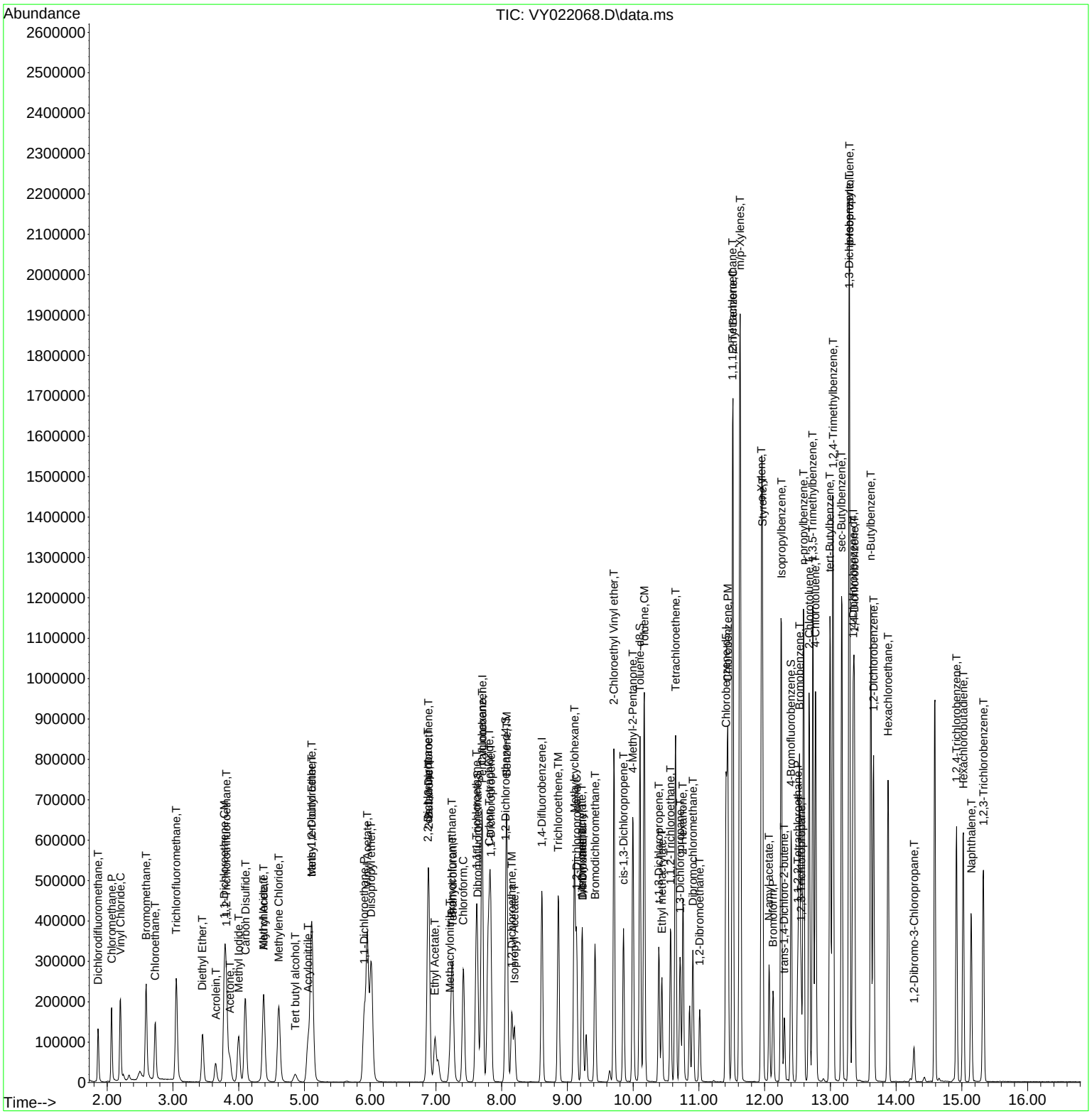
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

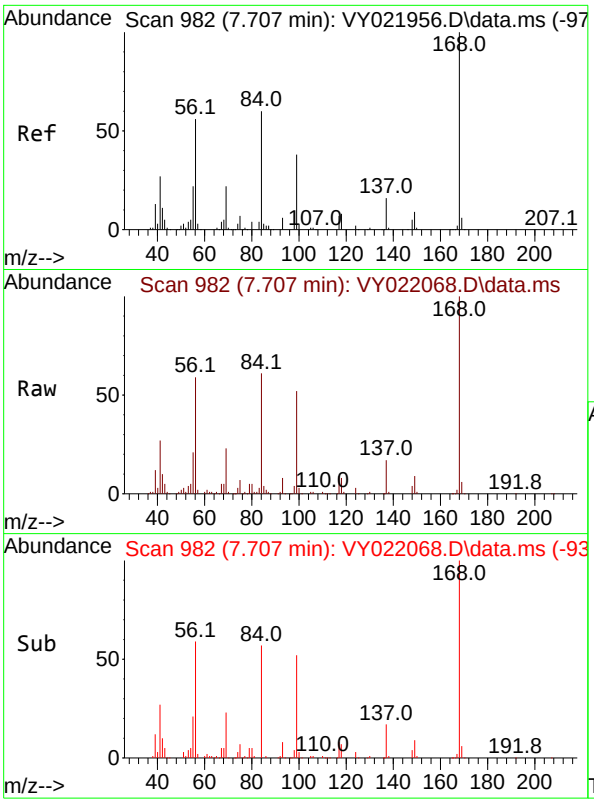
Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

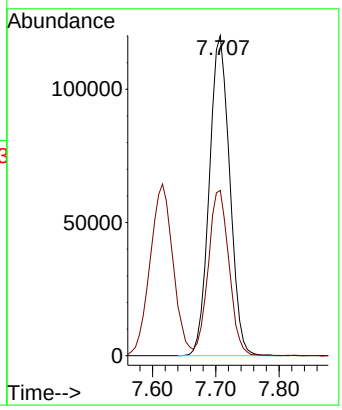




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:168 Resp: 26905

Ion	Ratio	Lower	Upper
168	100		
99	51.5	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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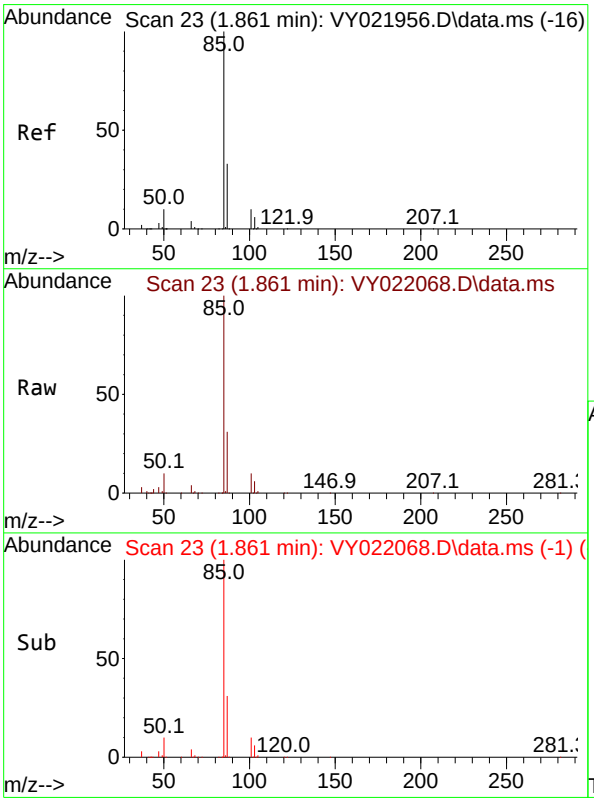
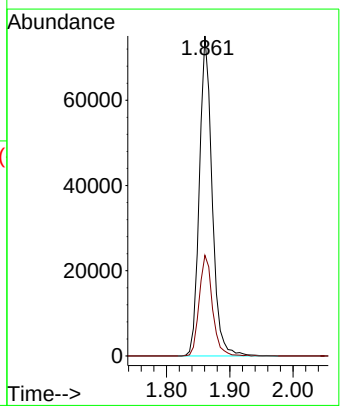
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

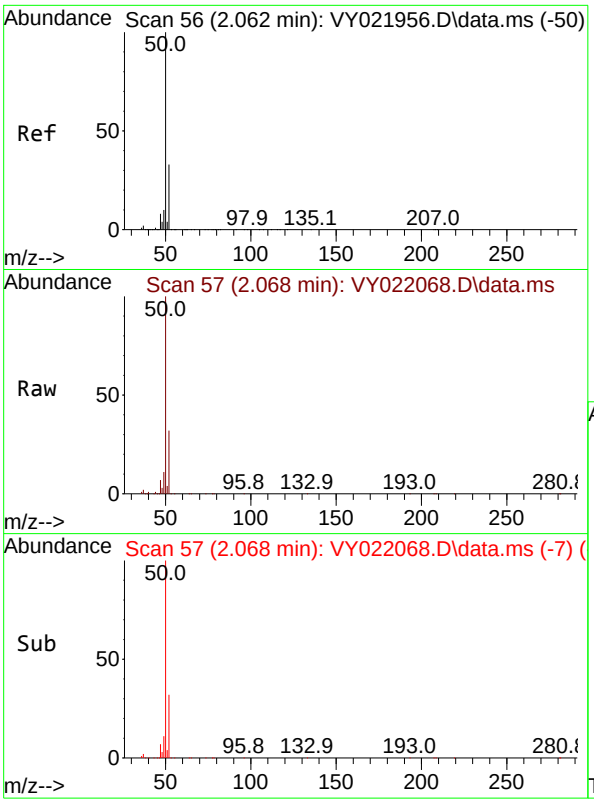


#2
Dichlorodifluoromethane
Concen: 45.968 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 85 Resp: 105386

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.6	49.7

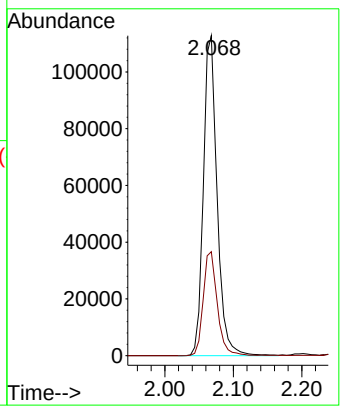




#3
Chloromethane
Concen: 48.129 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 50 Resp: 15711

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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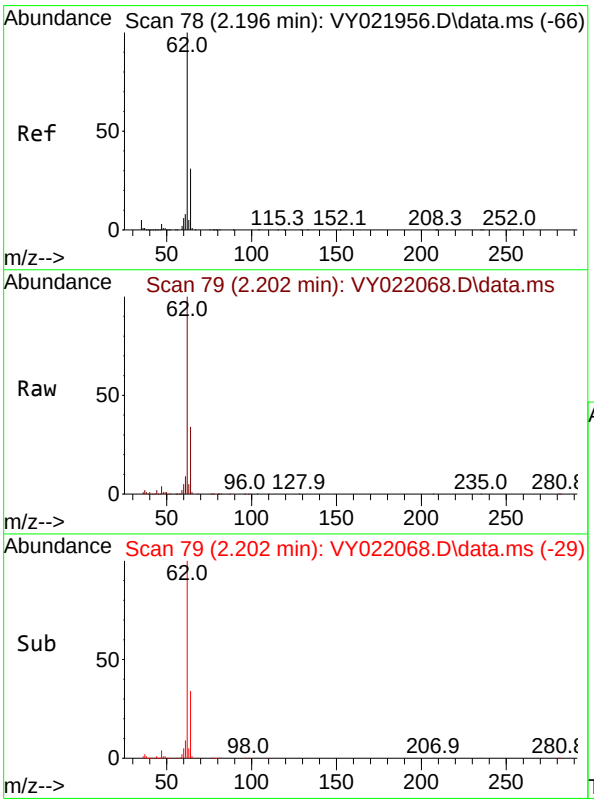
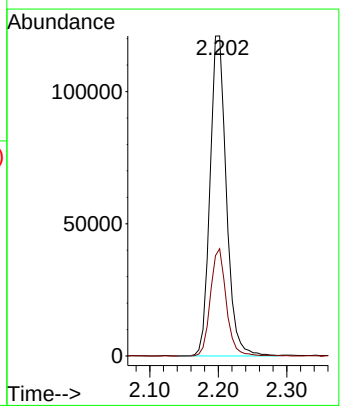
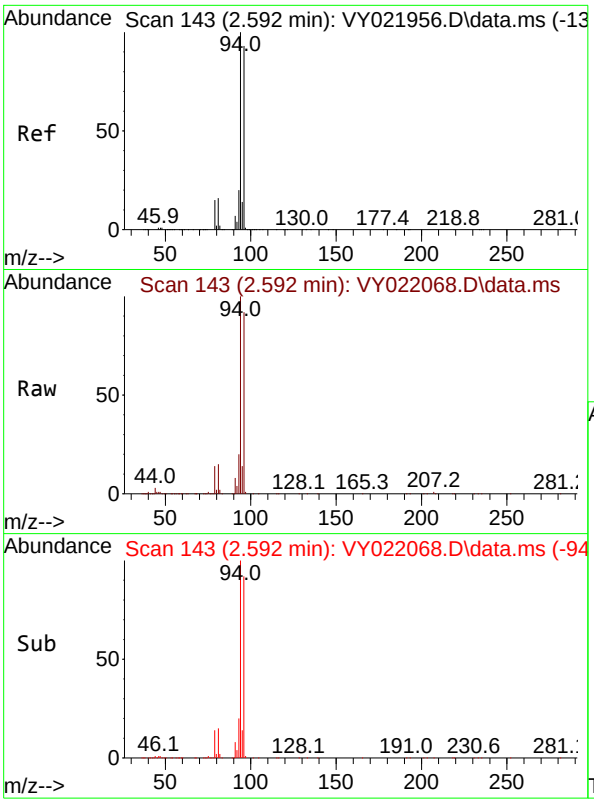


#4
Vinyl Chloride
Concen: 50.132 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 62 Resp: 201105

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.1	37.7

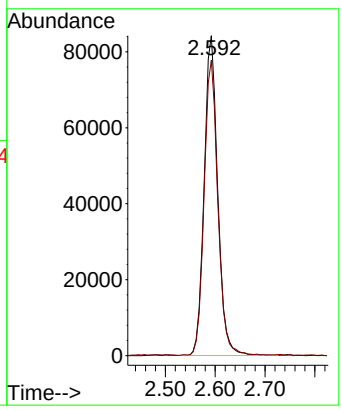




#5
Bromomethane
Concen: 46.000 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 94 Resp: 15897

Ion	Ratio	Lower	Upper
94	100		
96	92.3	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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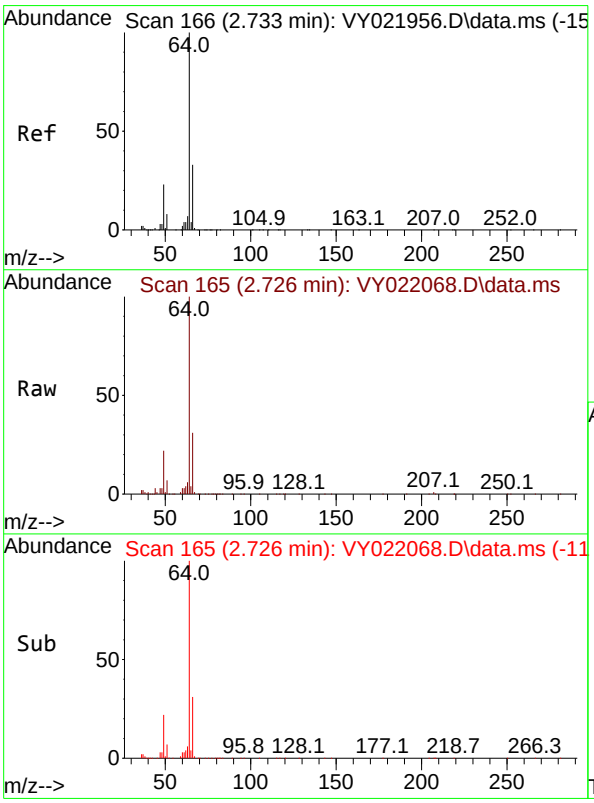
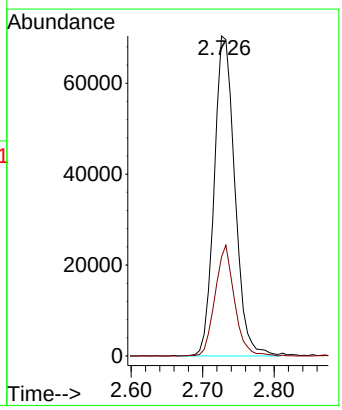
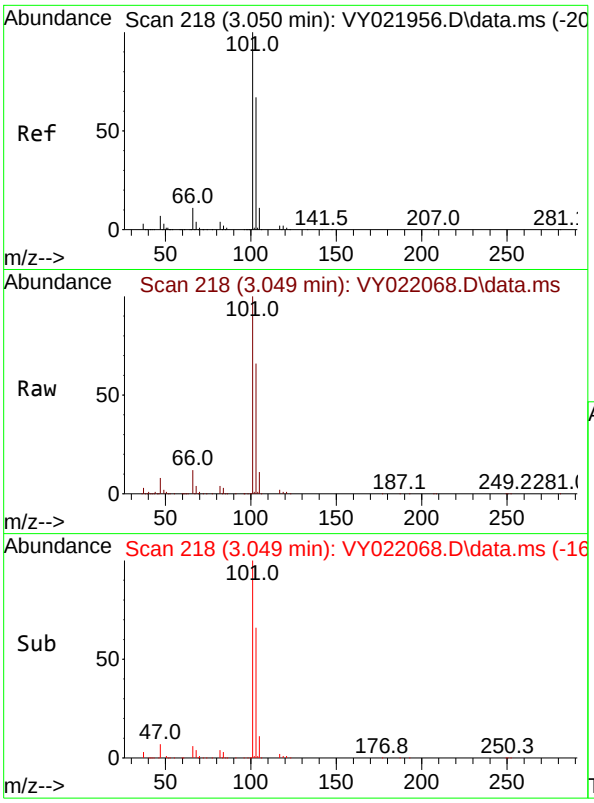


#6
Chloroethane
Concen: 51.778 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 64 Resp: 141458

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.2	39.4





#7
Trichlorofluoromethane
Concen: 49.838 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:101 Resp: 26363

Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.6	80.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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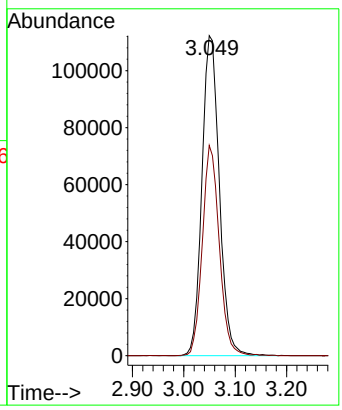
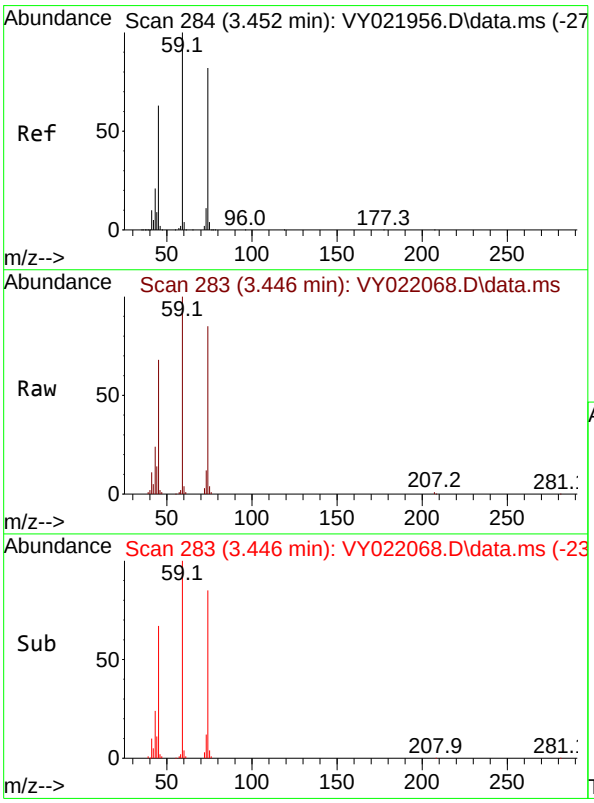
Supervised By :Mahesh Dadoda 04/30/2025

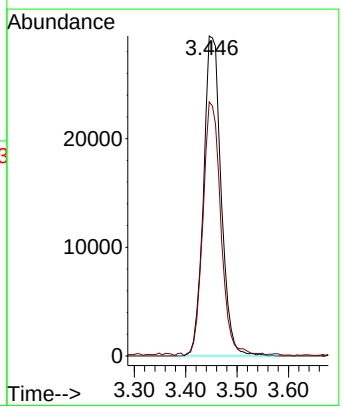


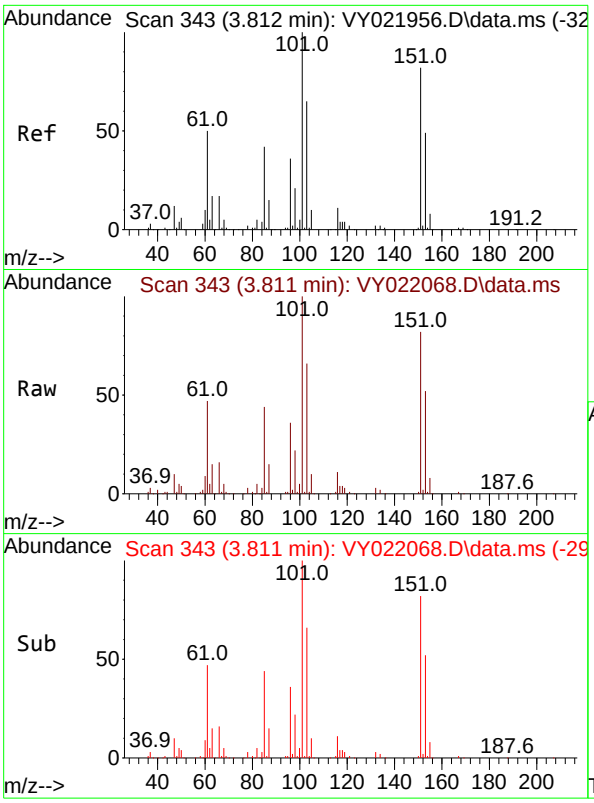


#8
Diethyl Ether
Concen: 50.792 ug/l
RT: 3.446 min Scan# 283
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 74 Resp: 69931

Ion	Ratio	Lower	Upper
74	100		
45	81.4	39.1	117.5

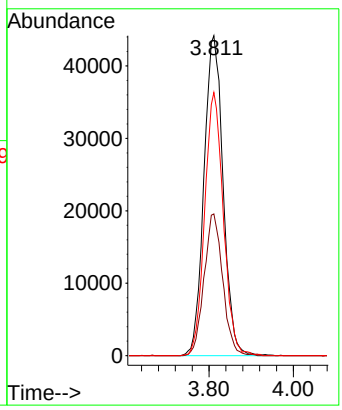




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.556 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:101 Resp: 13933

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	80.2	63.7	95.5



Instrument :
MSVOA_Y
ClientSampleId :
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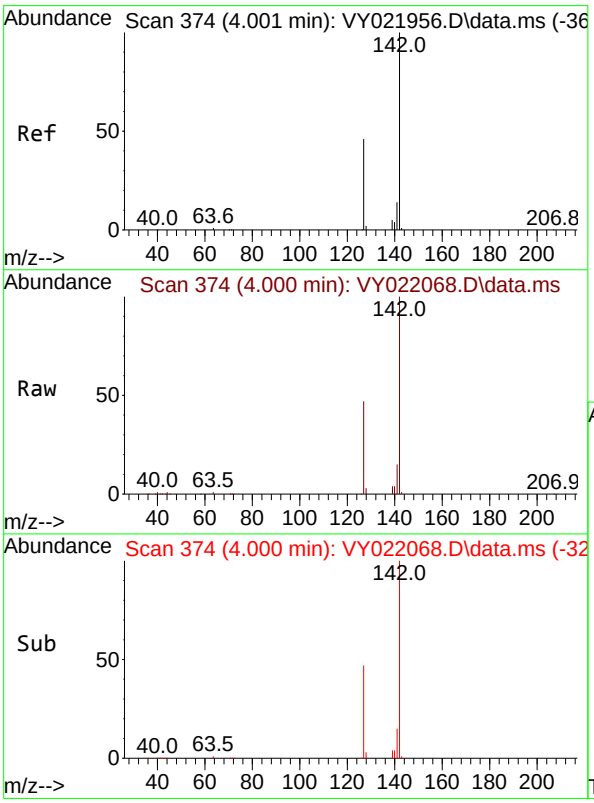
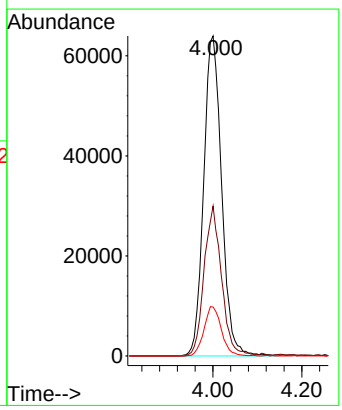
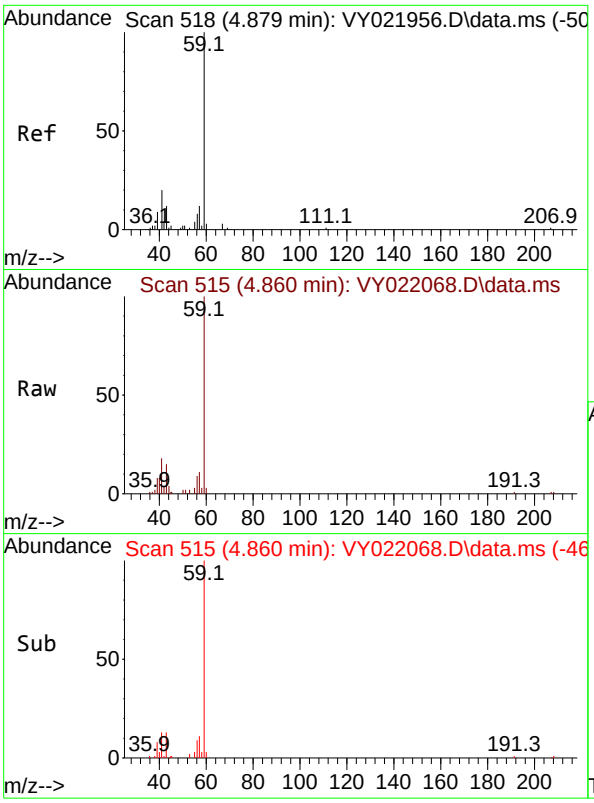


#10
Methyl Iodide
Concen: 54.192 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:142 Resp: 180042

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.2	54.2
141	14.9	11.7	17.5

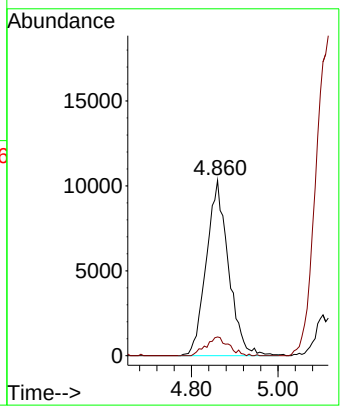




#11
Tert butyl alcohol
Concen: 269.330 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 59 Resp: 3674

Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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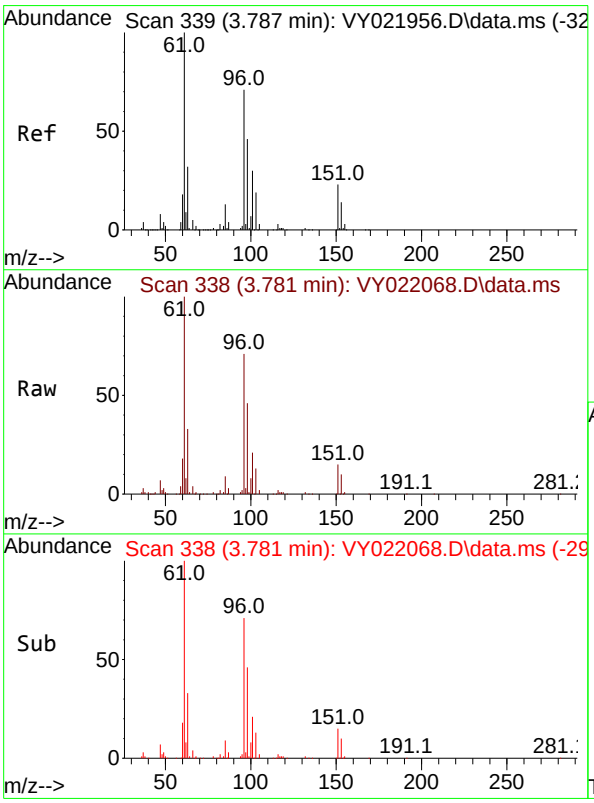
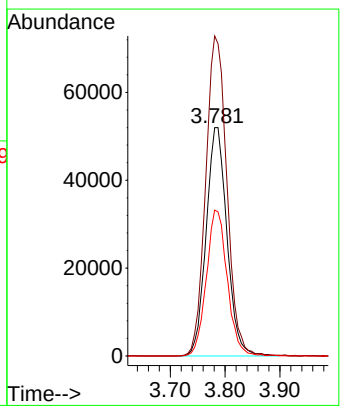
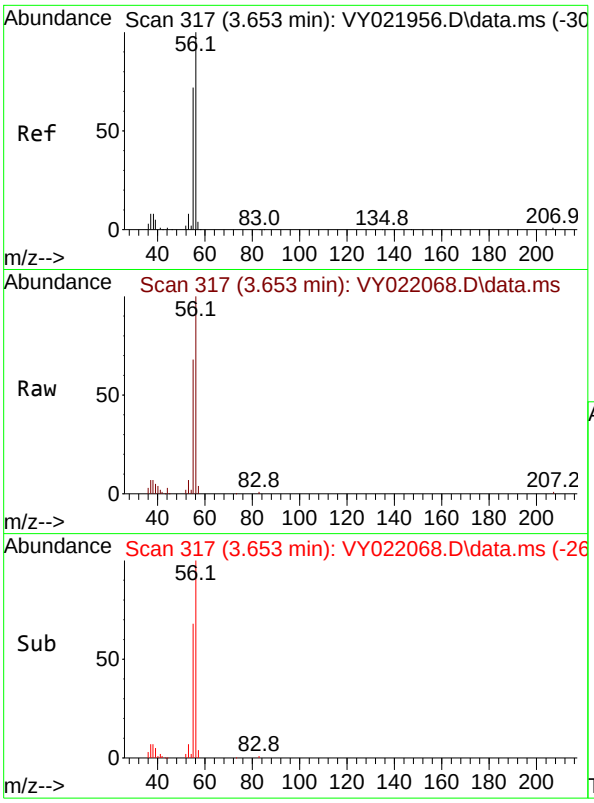


#12
1,1-Dichloroethene
Concen: 51.332 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 96 Resp: 137296

Ion	Ratio	Lower	Upper
96	100		
61	140.1	113.0	169.4
98	63.9	51.4	77.2

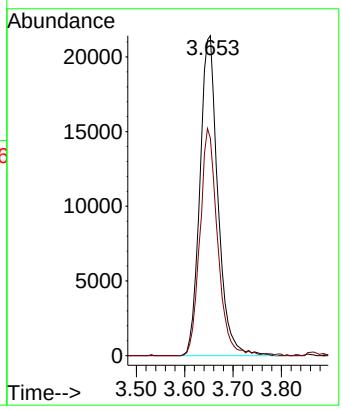




#13
Acrolein
Concen: 226.169 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 56 Resp: 5538

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
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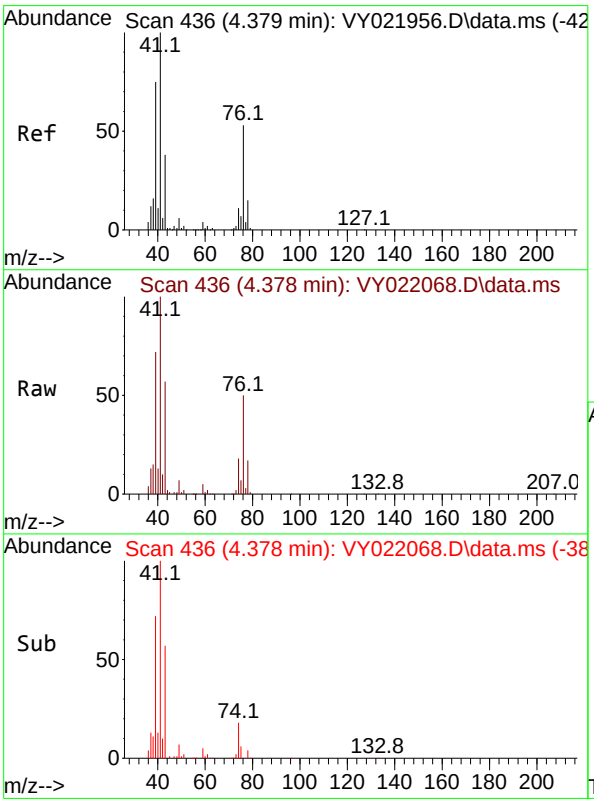
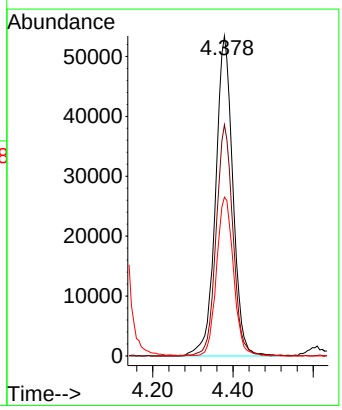
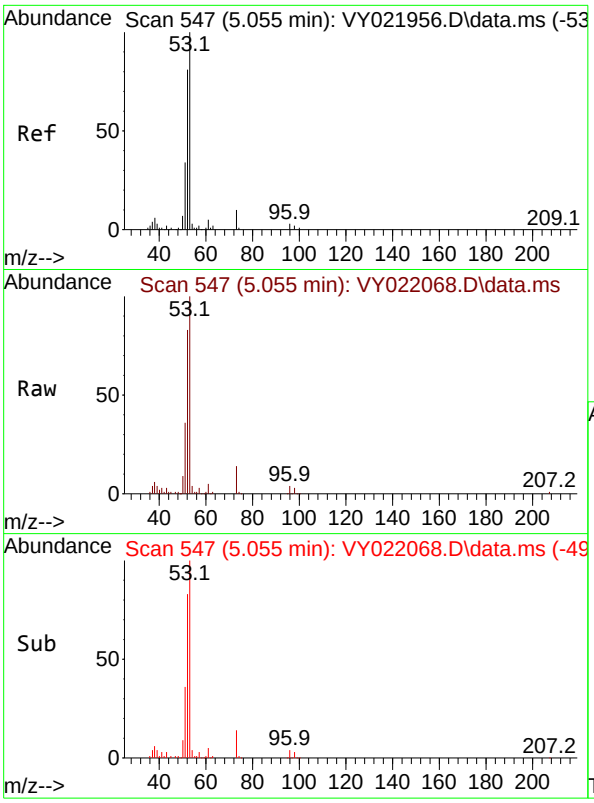


#14
Allyl chloride
Concen: 51.426 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 41 Resp: 160157

Ion	Ratio	Lower	Upper
41	100		
39	70.2	57.2	85.8
76	48.6	39.7	59.5

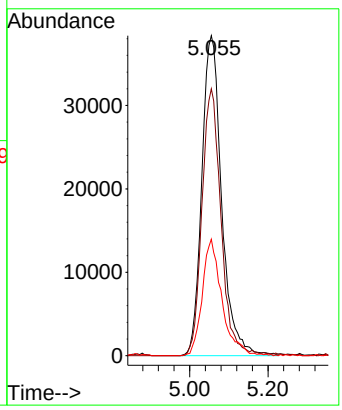




#15
Acrylonitrile
Concen: 267.708 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 53 Resp: 13493

Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.0	97.6
51	36.3	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
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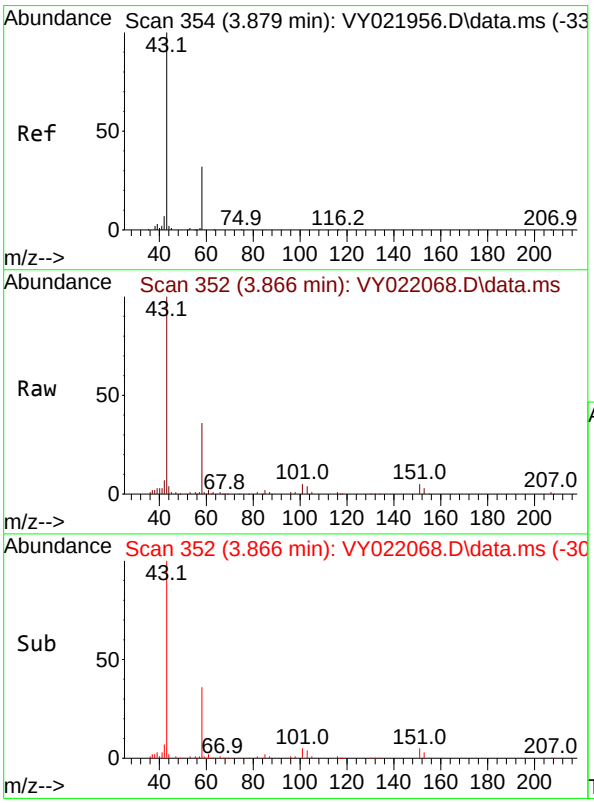
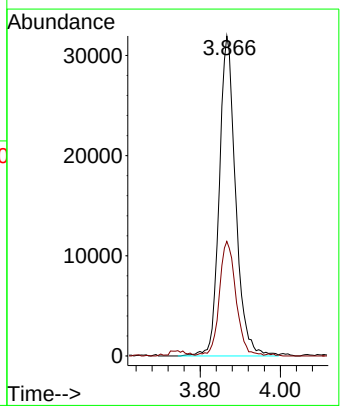
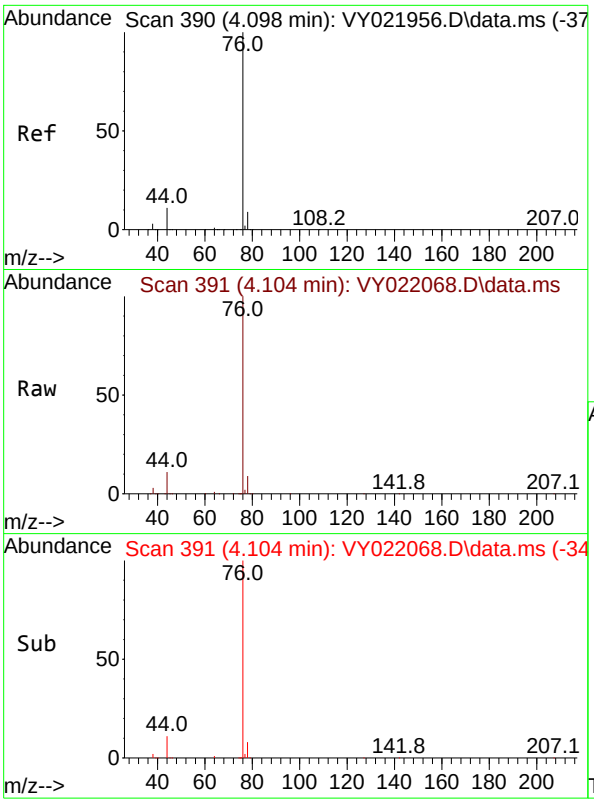


#16
Acetone
Concen: 280.286 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 90333

Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.0	40.4





#17
Carbon Disulfide
Concen: 50.348 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 76 Resp: 42937

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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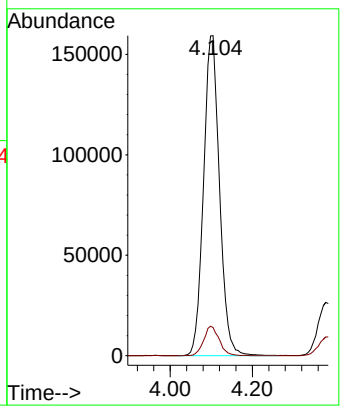
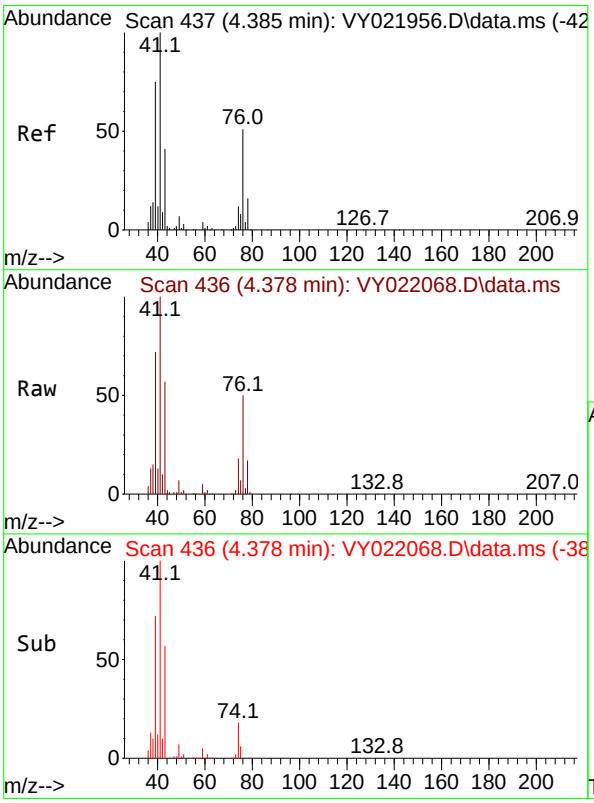
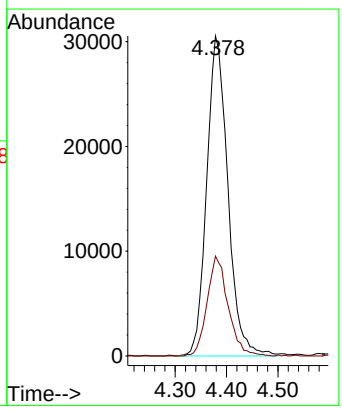


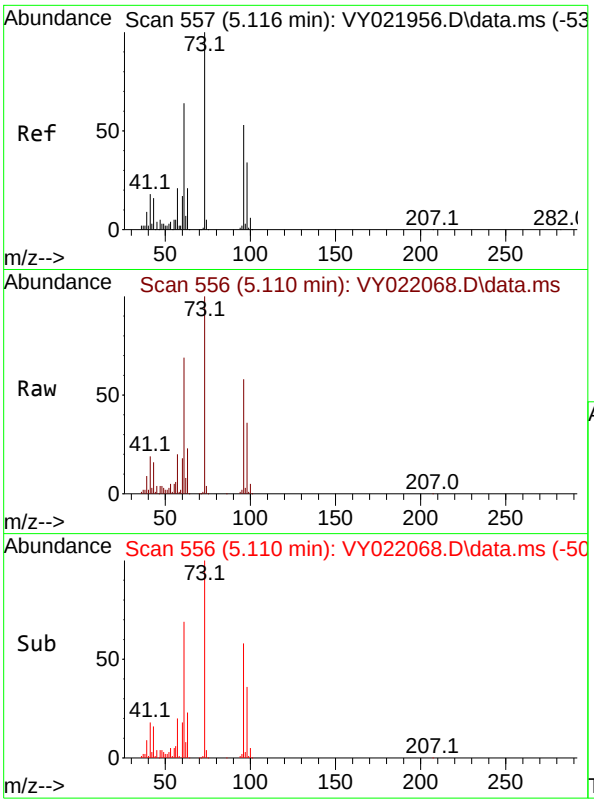


#18
Methyl Acetate
Concen: 75.357 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 87481

Ion	Ratio	Lower	Upper
43	100		
74	30.8	24.2	36.4





#19
Methyl tert-butyl Ether
Concen: 54.295 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 73 Resp: 32503

Ion	Ratio	Lower	Upper
73	100		
57	20.0	16.9	25.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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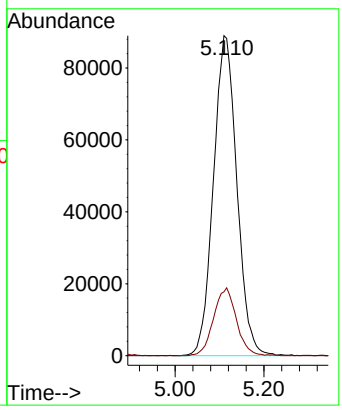
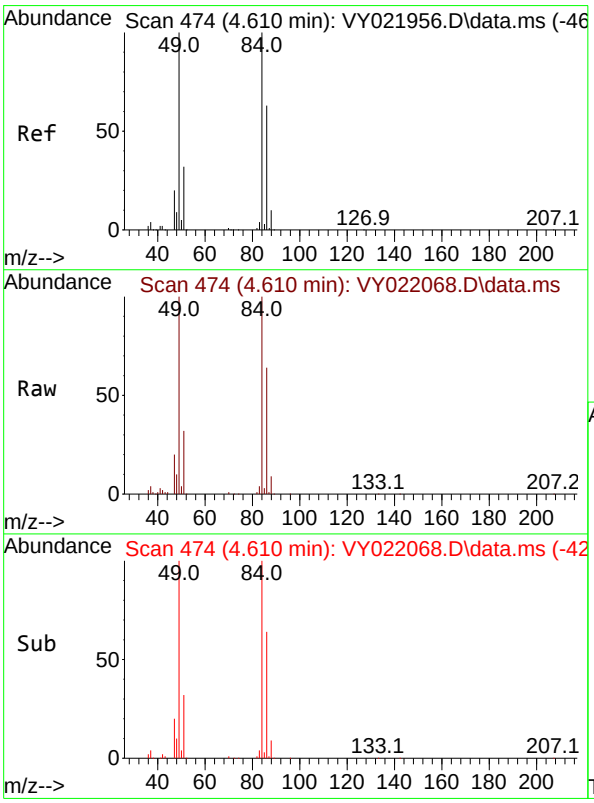
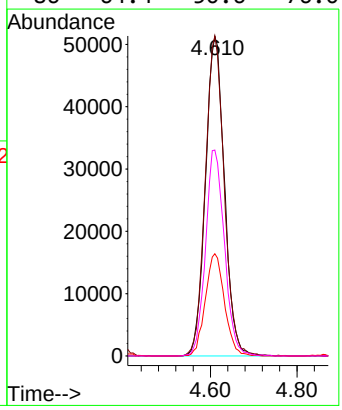


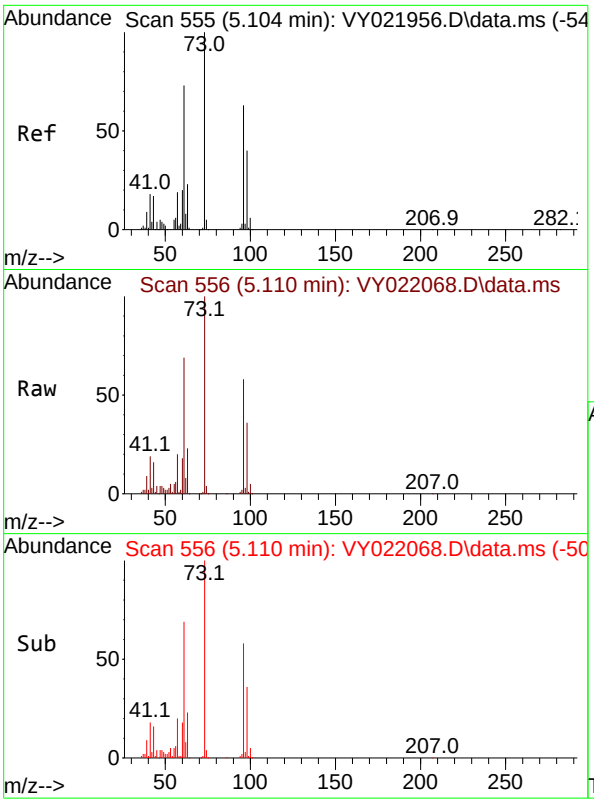


#20
Methylene Chloride
Concen: 49.589 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 84 Resp: 155832

Ion	Ratio	Lower	Upper
84	100		
49	100.1	79.9	119.9
51	32.0	25.4	38.0
86	64.4	50.6	76.0

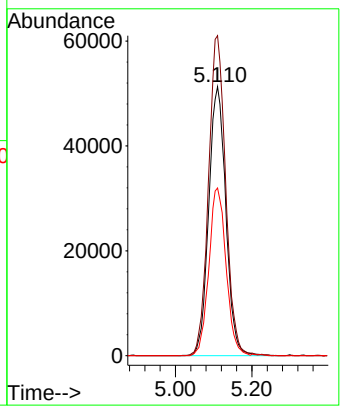




#21
trans-1,2-Dichloroethene
Concen: 53.273 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 96 Resp: 15957

Ion	Ratio	Lower	Upper
96	100		
61	118.9	92.6	138.8
98	62.3	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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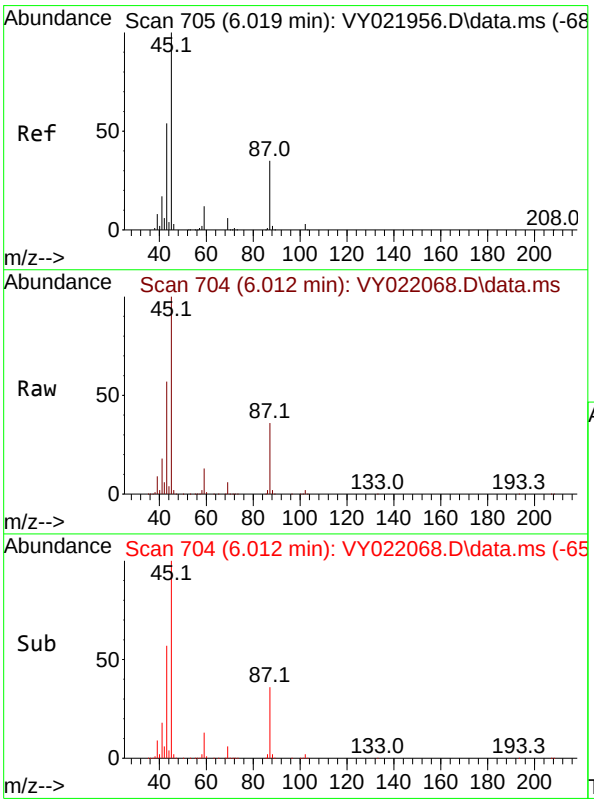
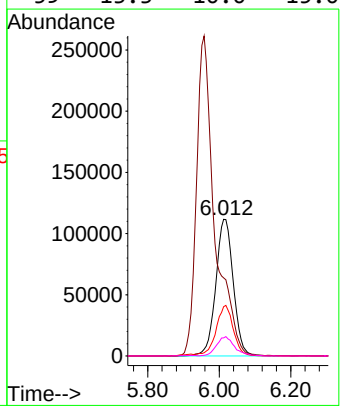
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

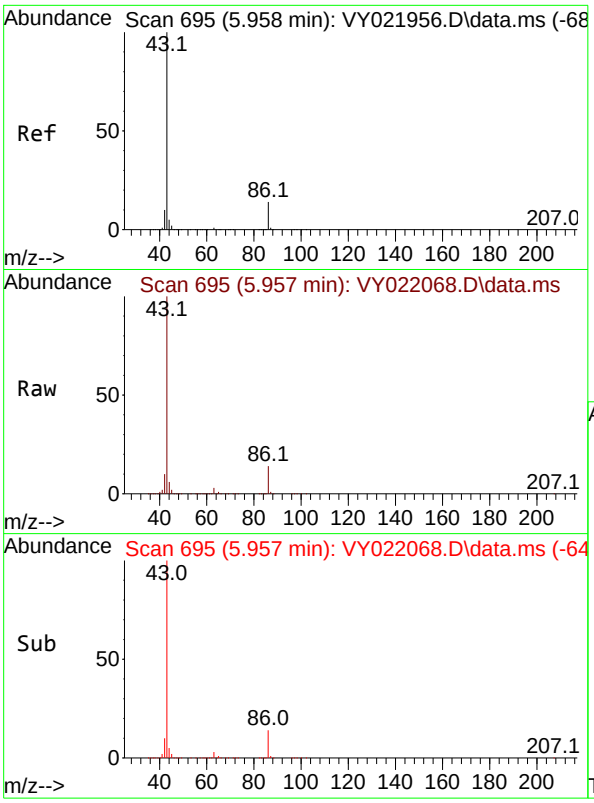


#22
Diisopropyl ether
Concen: 54.768 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 45 Resp: 379582

Ion	Ratio	Lower	Upper
45	100		
43	57.0	43.6	65.4
87	36.1	28.2	42.4
59	13.3	10.0	15.0





#23
Vinyl Acetate
Concen: 247.385 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 92402

Ion	Ratio	Lower	Upper
43	100		
86	13.9	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
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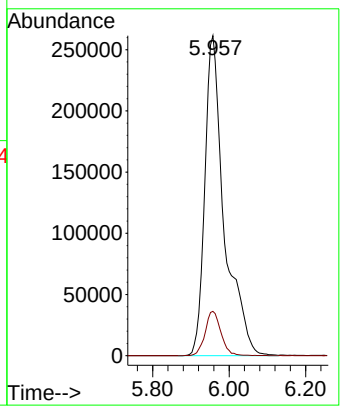
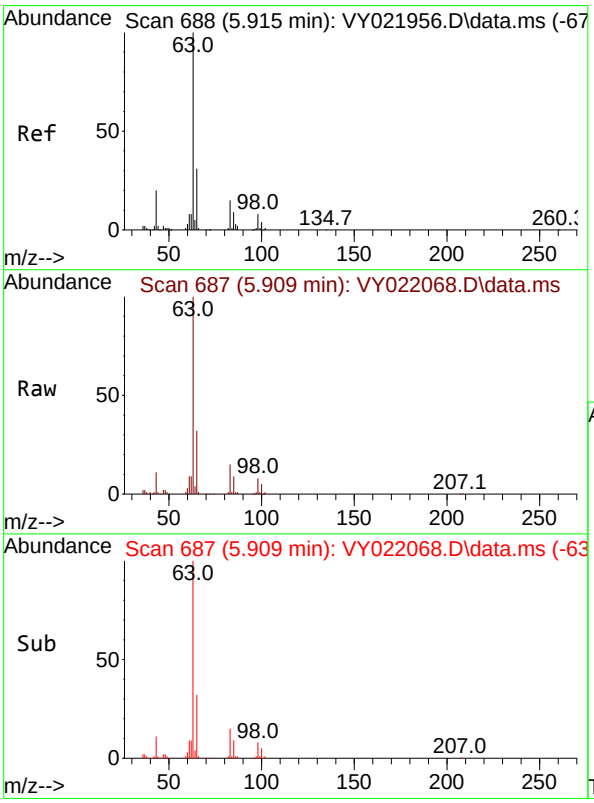
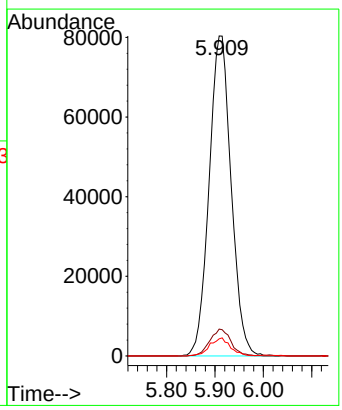


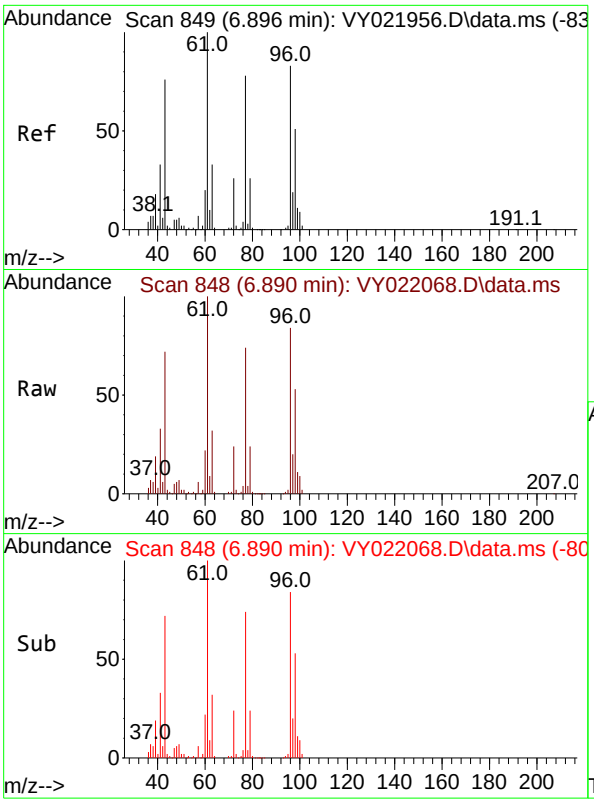


#24
1,1-Dichloroethane
Concen: 53.026 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 63 Resp: 254741

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	11.9
100	5.3	2.0	6.0

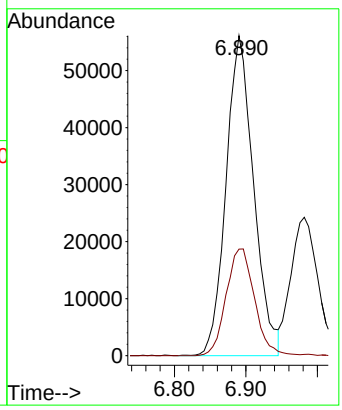




#25
2-Butanone
Concen: 265.784 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 15056

Ion	Ratio	Lower	Upper
43	100		
72	33.3	27.0	40.4



Instrument :
MSVOA_Y
ClientSampleId :
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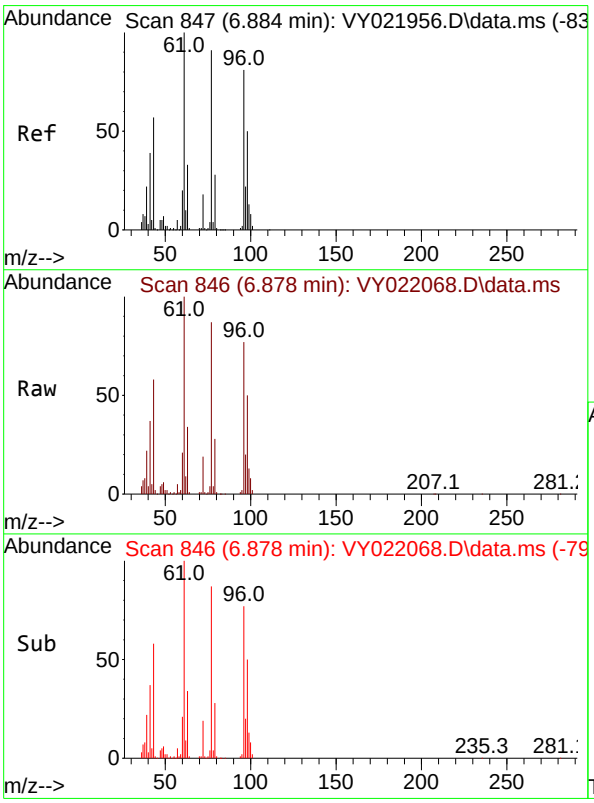
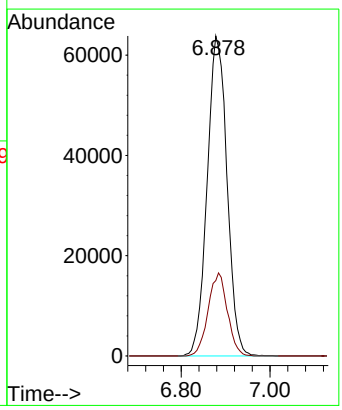
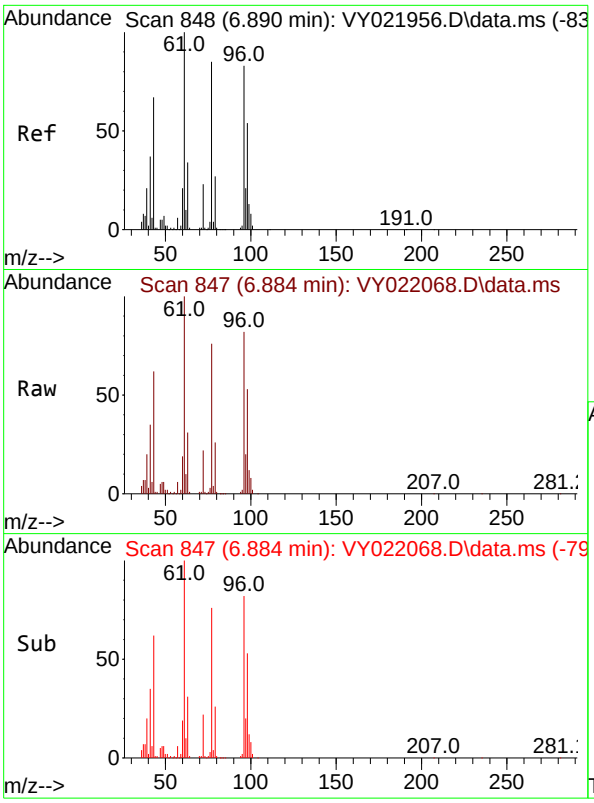


#26
2,2-Dichloropropane
Concen: 47.023 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 77 Resp: 197993

Ion	Ratio	Lower	Upper
77	100		
97	25.1	12.4	37.4

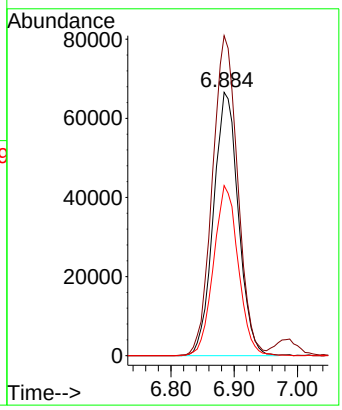




#27
cis-1,2-Dichloroethene
Concen: 54.341 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 96 Resp: 18200

Ion	Ratio	Lower	Upper
96	100		
61	123.4	0.0	251.4
98	64.0	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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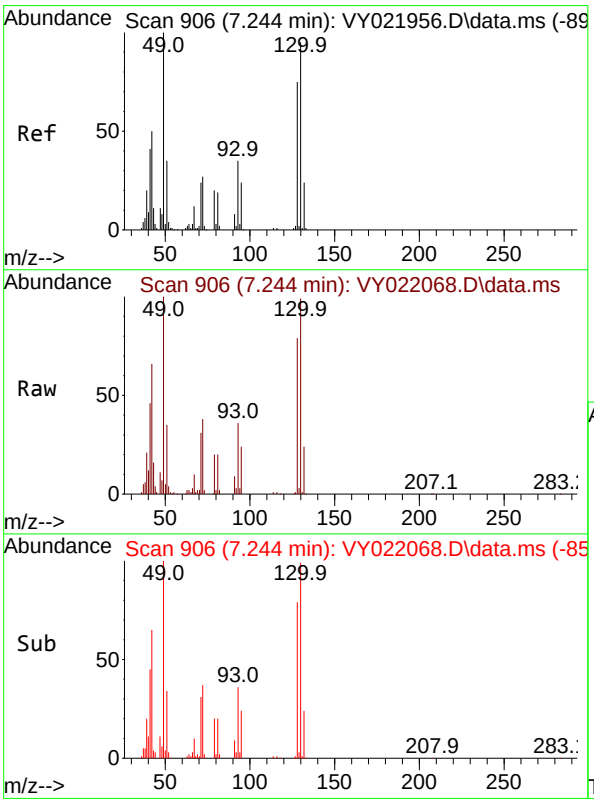
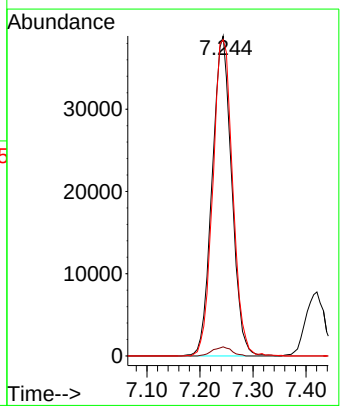
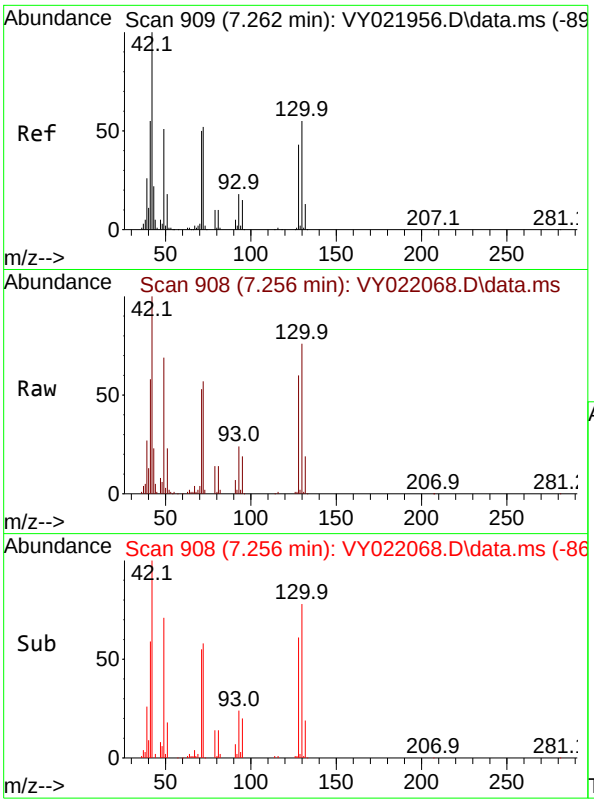


#28
Bromochloromethane
Concen: 53.320 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 49 Resp: 99494

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	100.6	78.2	117.4





#29
Tetrahydrofuran
Concen: 274.027 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 42 Resp: 10082

Ion	Ratio	Lower	Upper
42	100		
72	56.6	42.6	63.8
71	51.2	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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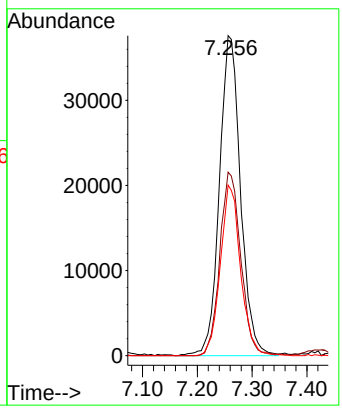
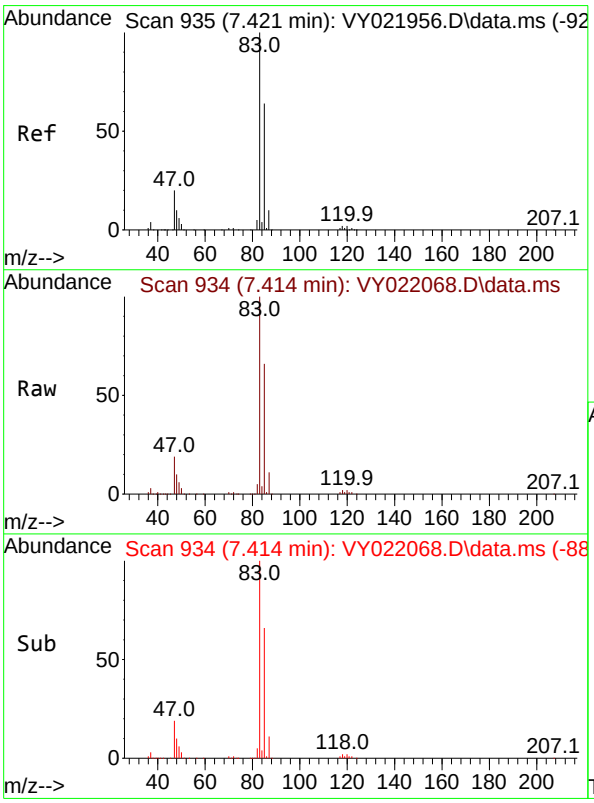
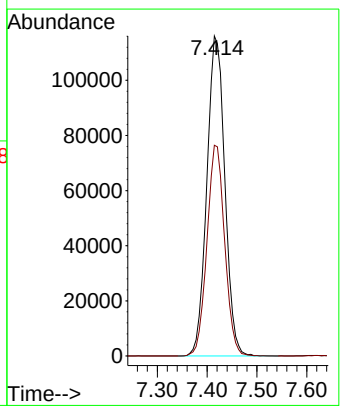


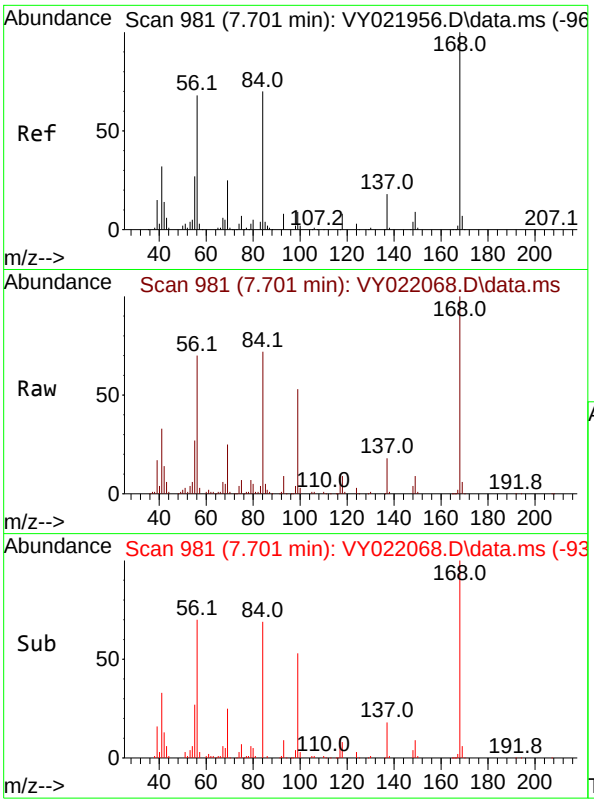


#30
Chloroform
Concen: 54.594 ug/l
RT: 7.414 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 83 Resp: 290919

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





#31
Cyclohexane
Concen: 47.840 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 56 Resp: 19653

Ion	Ratio	Lower	Upper
56	100		
69	35.3	29.4	44.2
84	100.3	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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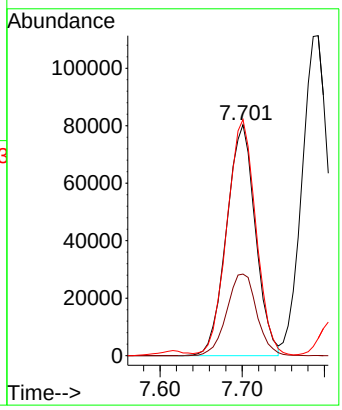
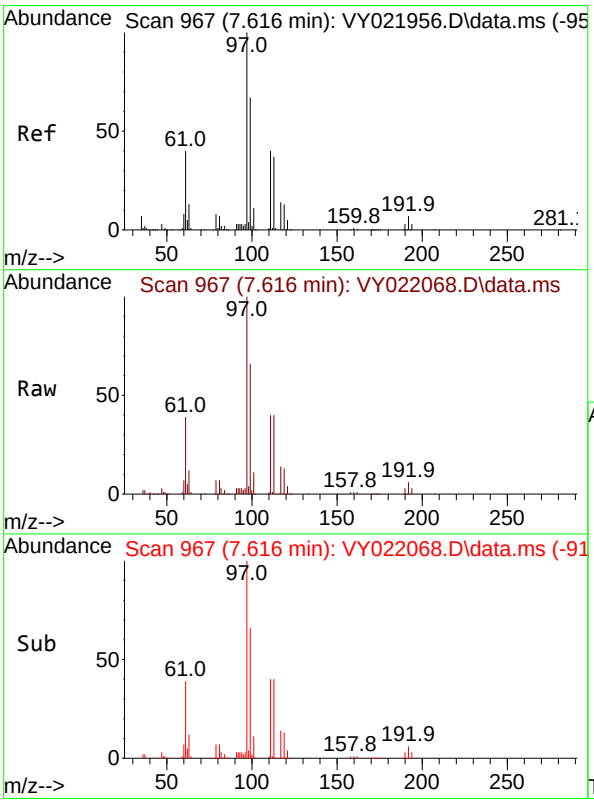
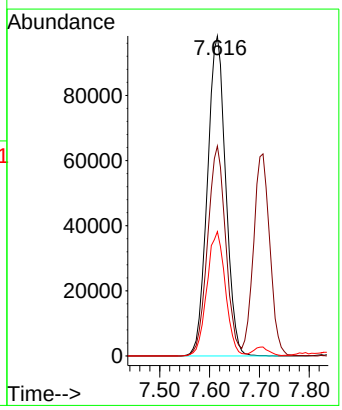


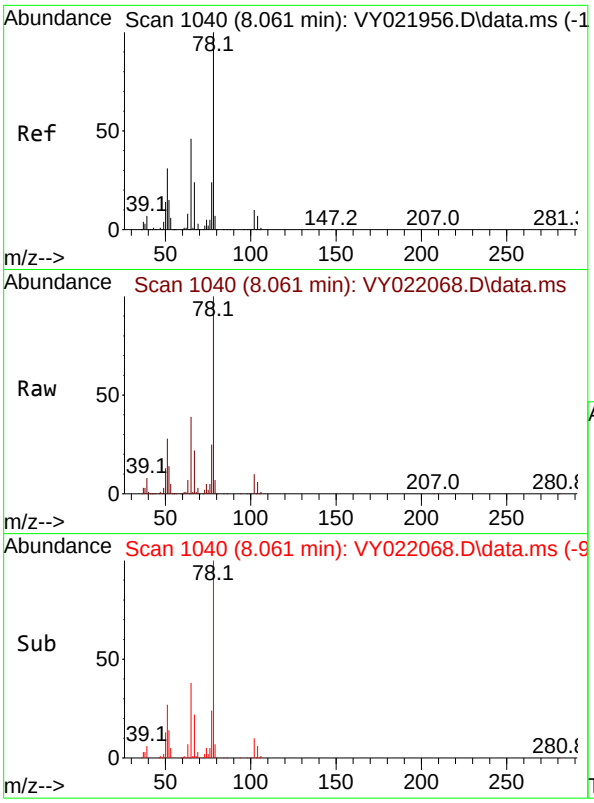


#32
1,1,1-Trichloroethane
Concen: 51.916 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 97 Resp: 250288

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	39.3	31.4	47.2

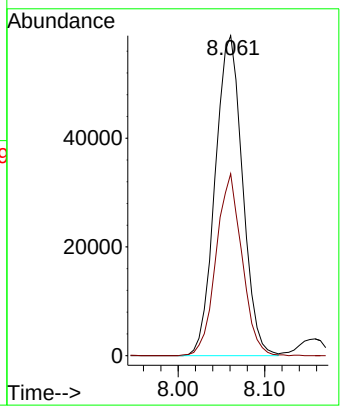




#33
1,2-Dichloroethane-d4
Concen: 51.995 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 65 Resp: 12921

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
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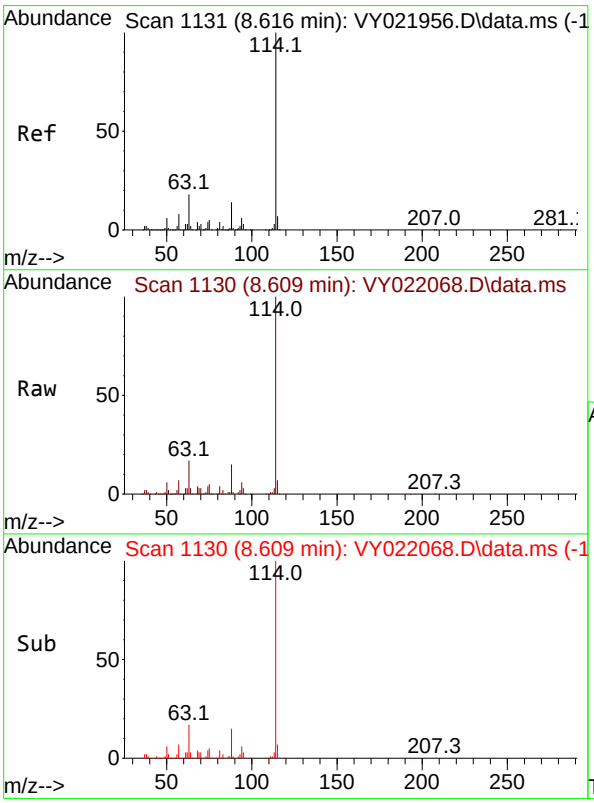
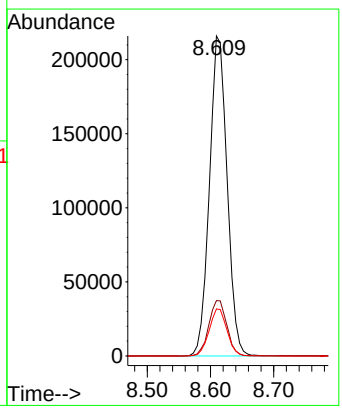
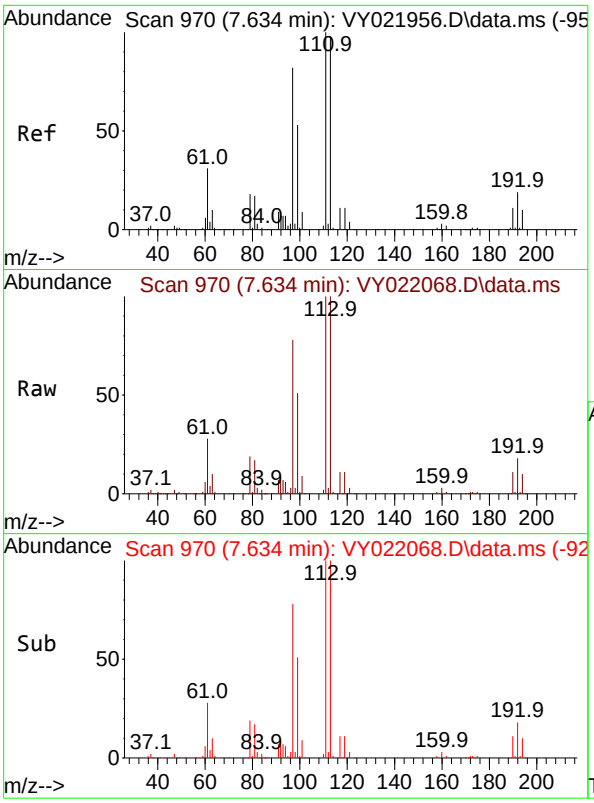


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:114 Resp: 418891

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	35.4
88	14.7	0.0	28.2

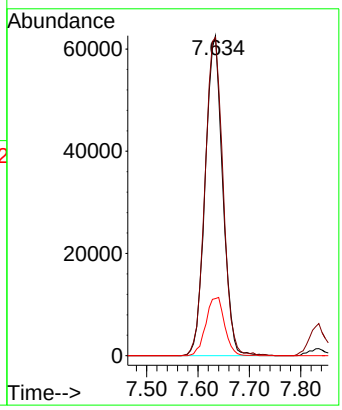




#35
Dibromofluoromethane
Concen: 53.246 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:113 Resp: 14735

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	19.6	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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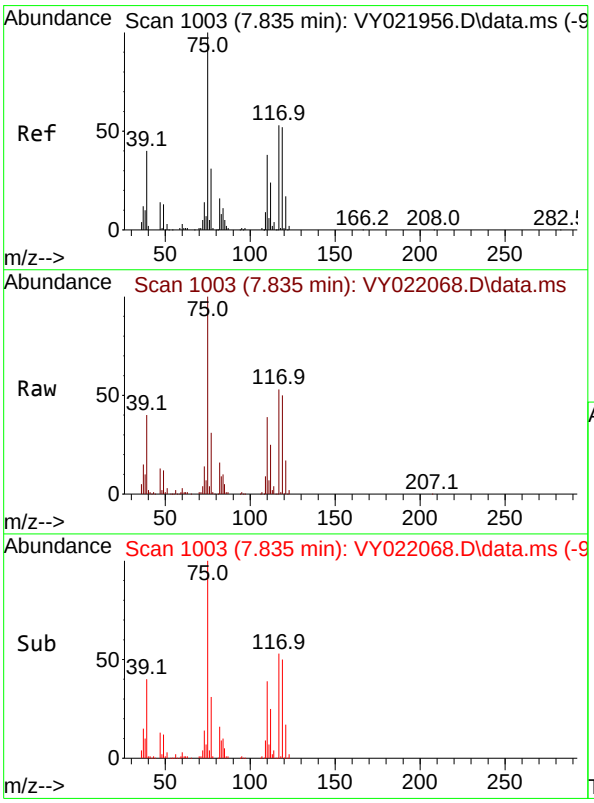
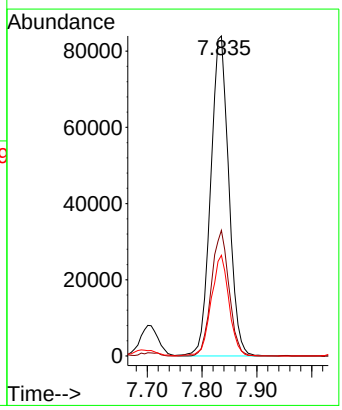
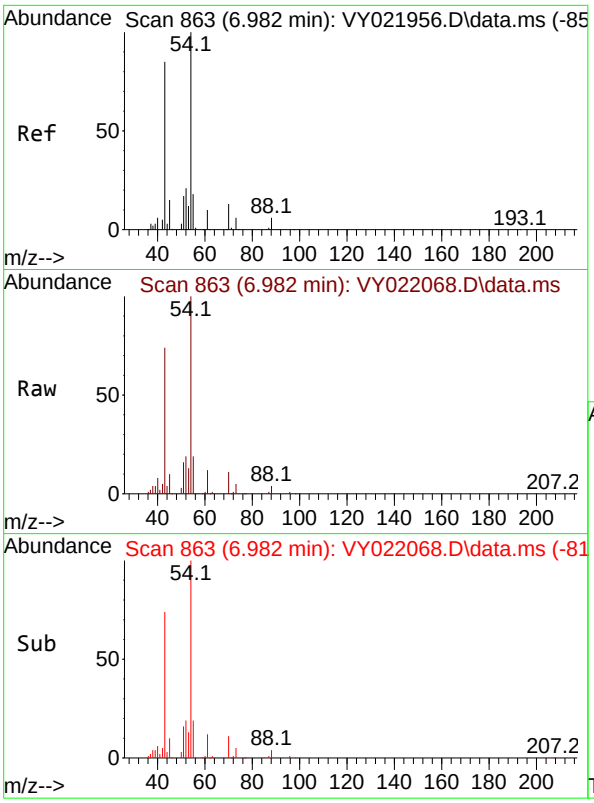


#36
1,1-Dichloropropene
Concen: 51.671 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 192081

Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.3
77	31.0	25.5	38.3





#37
Ethyl Acetate
Concen: 49.331 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 6586

Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.8	20.6
70	12.4	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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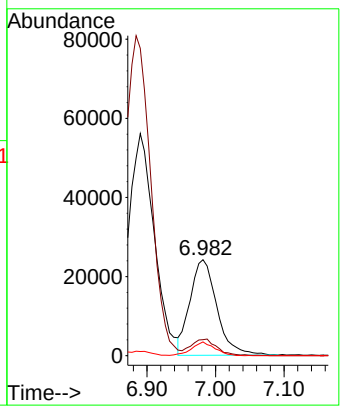
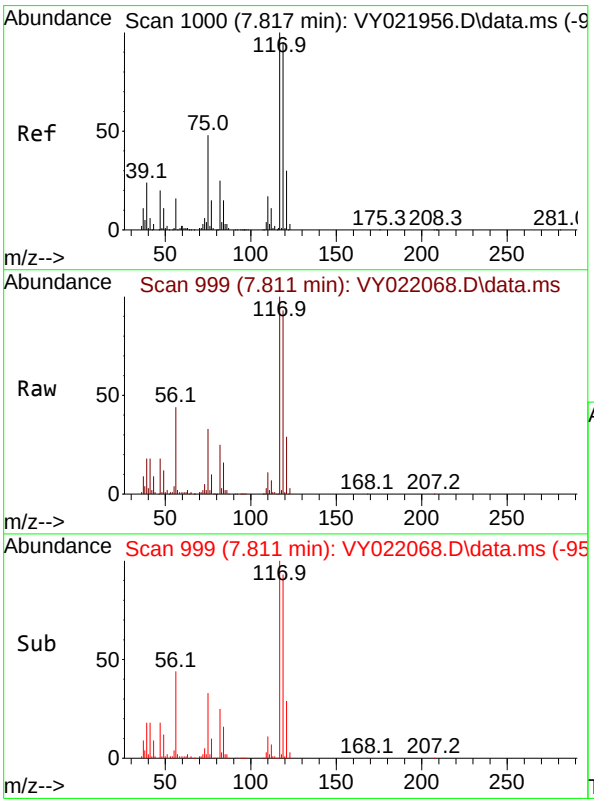
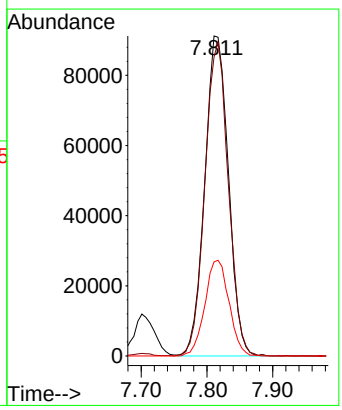


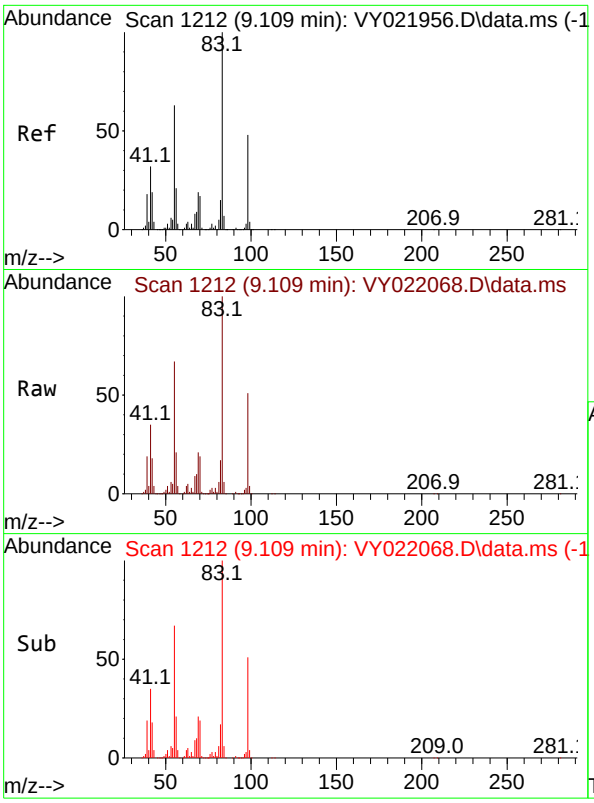


#38
Carbon Tetrachloride
Concen: 51.548 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:117 Resp: 228976

Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.2	114.4
121	29.4	24.0	36.0





#39
Methylcyclohexane
Concen: 49.780 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

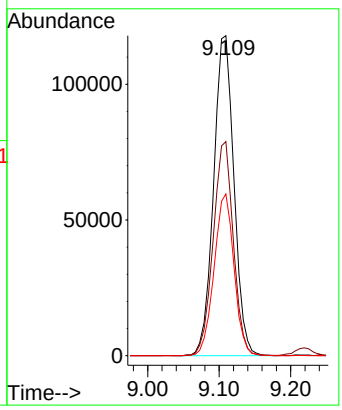
Tgt Ion: 83 Resp: 23287

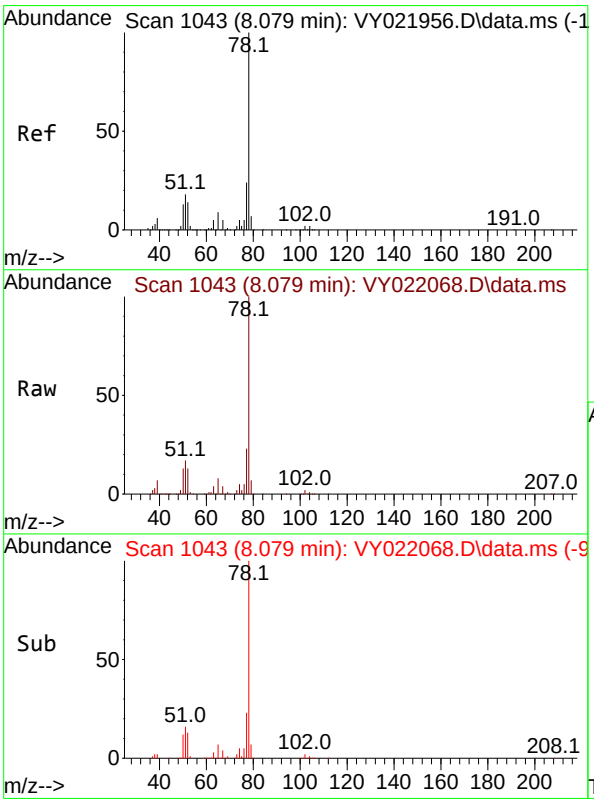
Ion	Ratio	Lower	Upper
83	100		
55	66.9	50.6	75.8
98	50.6	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

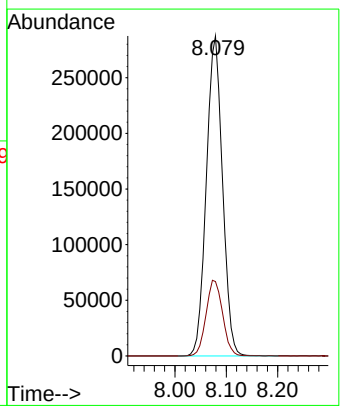


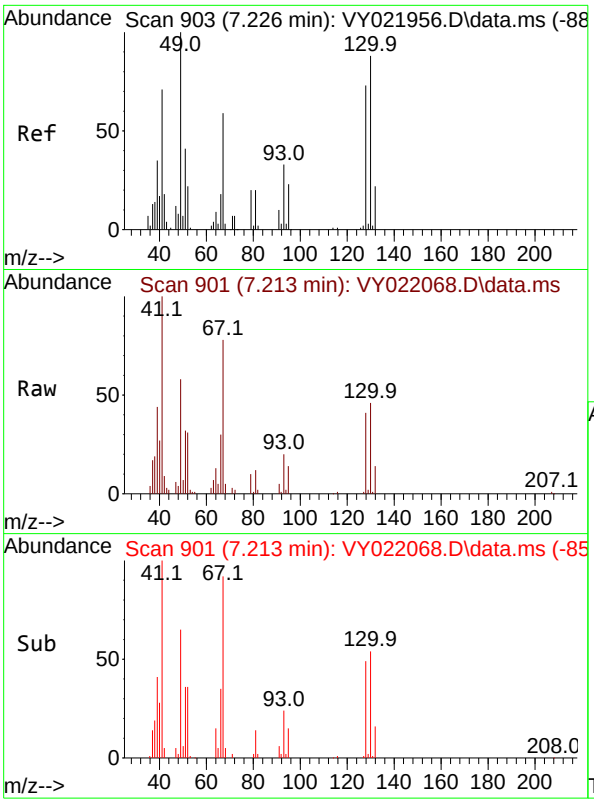


#40
Benzene
Concen: 53.938 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 78 Resp: 626786

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9

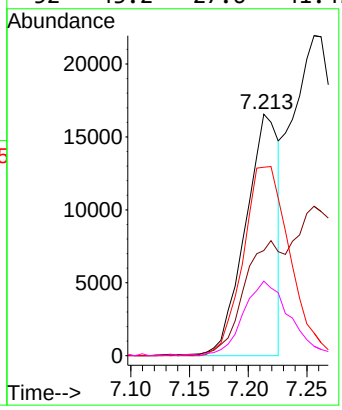




#41
Methacrylonitrile
Concen: 44.758 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 41 Resp: 3266

Ion	Ratio	Lower	Upper
41	100		
39	58.1	36.6	55.0#
67	109.4	72.2	108.4#
52	43.2	27.6	41.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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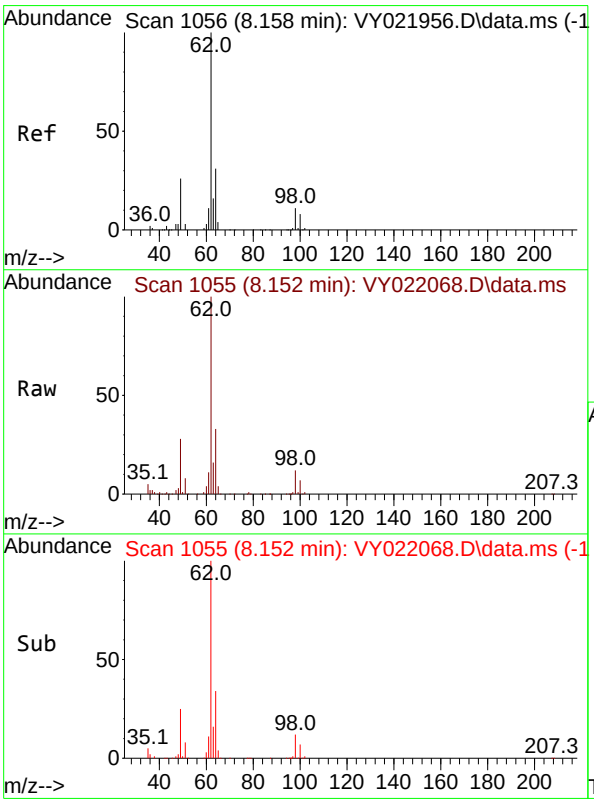
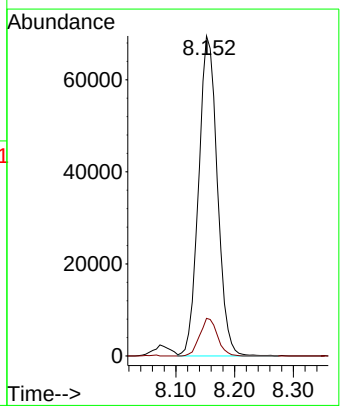
Supervised By :Mahesh Dadoda 04/30/2025

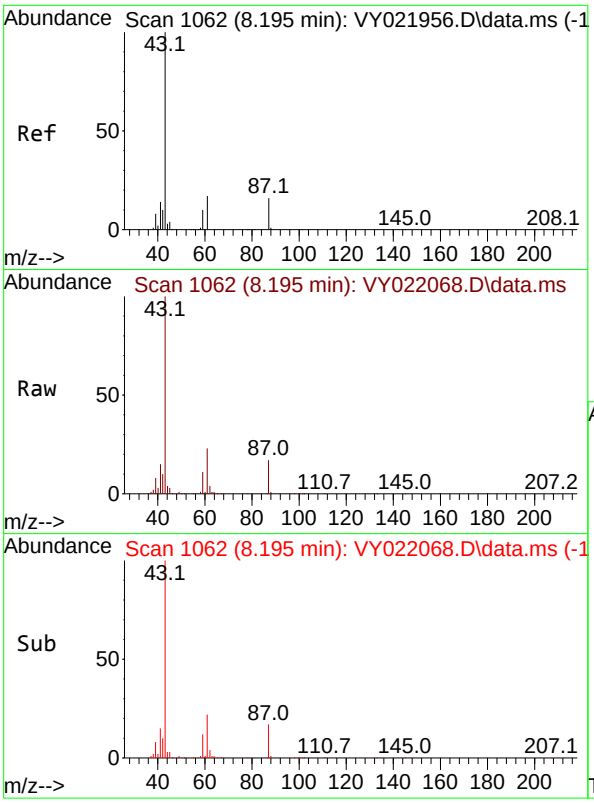


#42
1,2-Dichloroethane
Concen: 53.601 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 62 Resp: 154213

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0





#43
Isopropyl Acetate
Concen: 52.869 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 13555

Ion	Ratio	Lower	Upper
43	100		
61	22.9	18.9	28.3
87	17.5	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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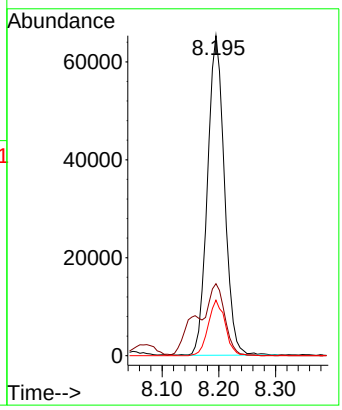
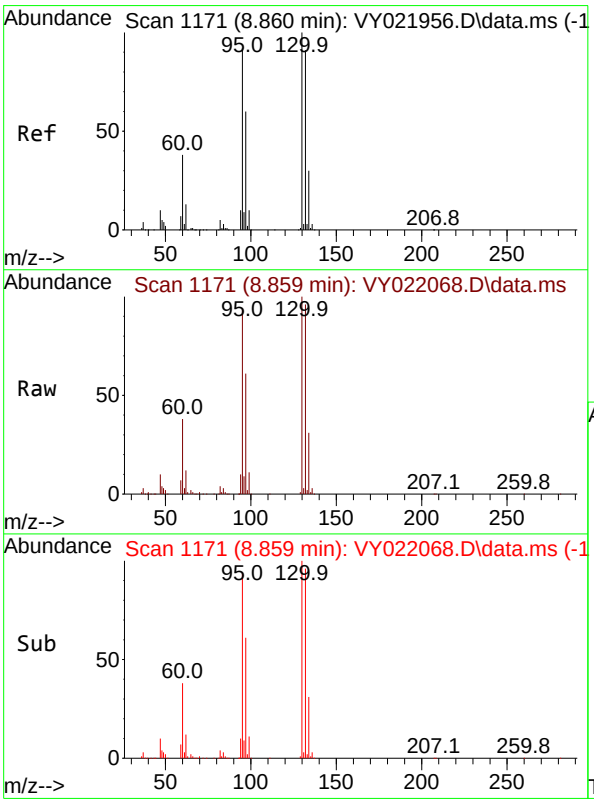
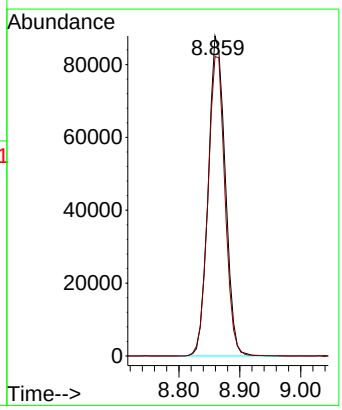


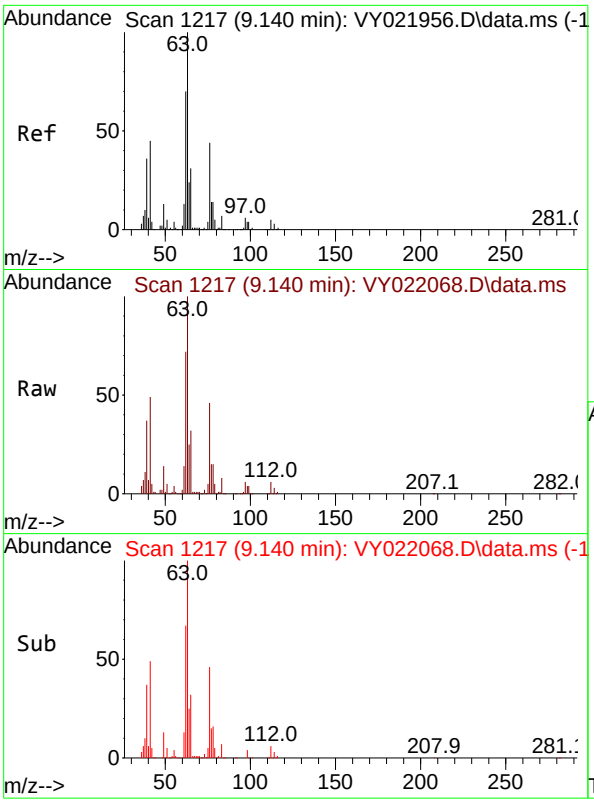


#44
Trichloroethene
Concen: 52.758 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:130 Resp: 169810

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	183.2

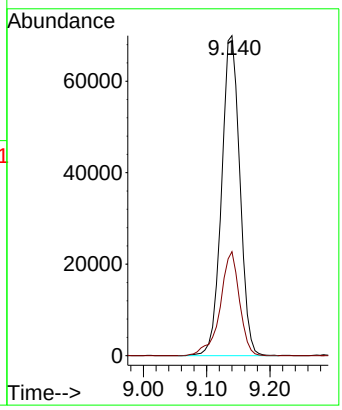




#45
1,2-Dichloropropane
Concen: 54.340 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 63 Resp: 13964

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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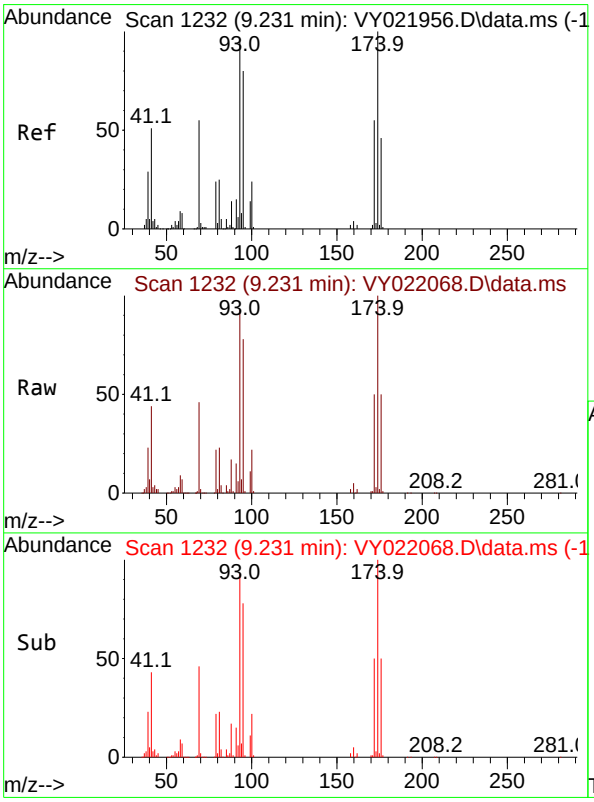
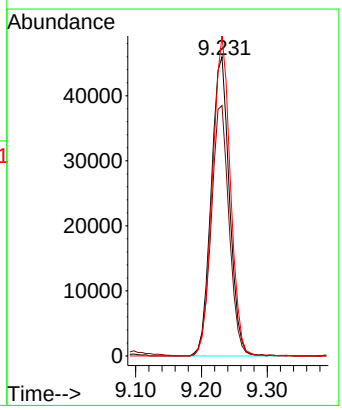
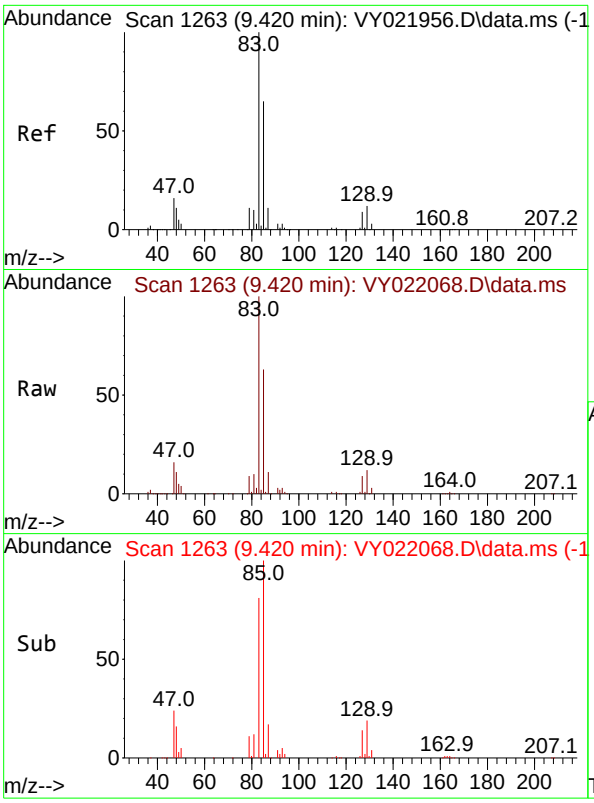


#46
Dibromomethane
Concen: 55.126 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 93 Resp: 88680

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.7	100.1
174	105.0	84.6	127.0

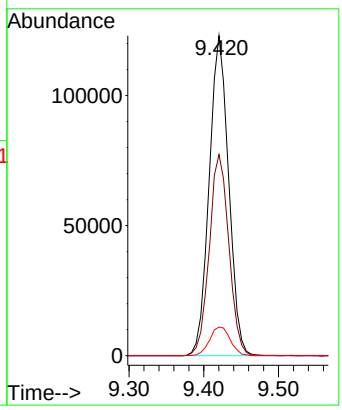




#47
Bromodichloromethane
Concen: 55.392 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 83 Resp: 22260

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.8
127	9.0	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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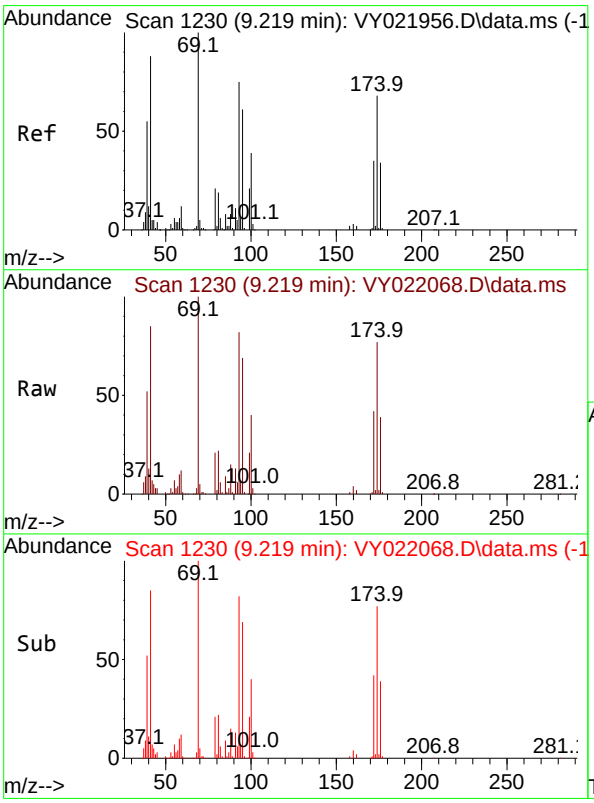
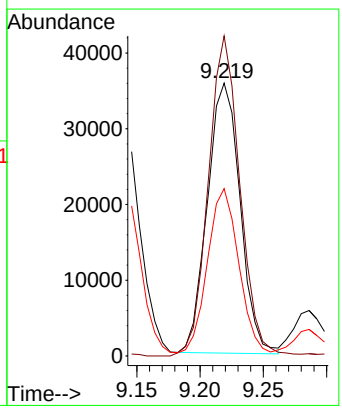
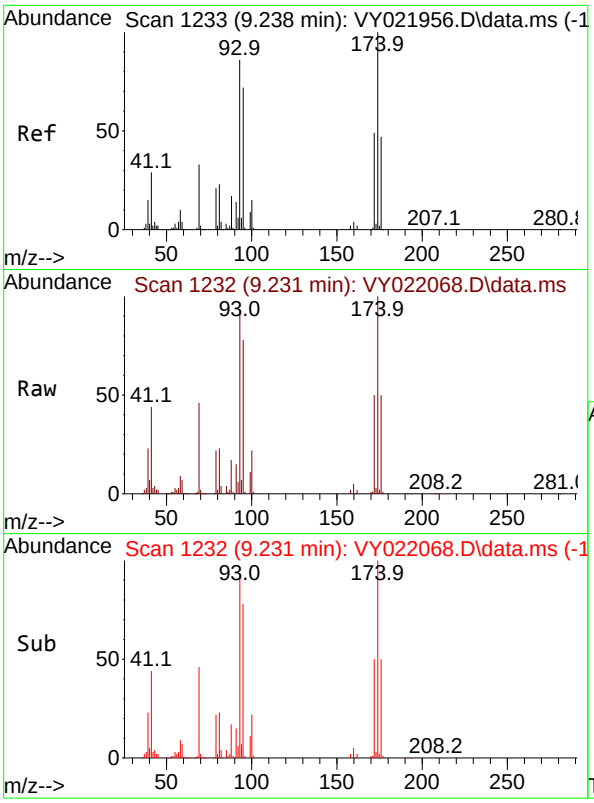


#48
Methyl methacrylate
Concen: 54.252 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 41 Resp: 64303

Ion	Ratio	Lower	Upper
41	100		
69	114.0	85.5	128.3
39	57.6	46.2	69.4





#49
1,4-Dioxane
Concen: 1115.262 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

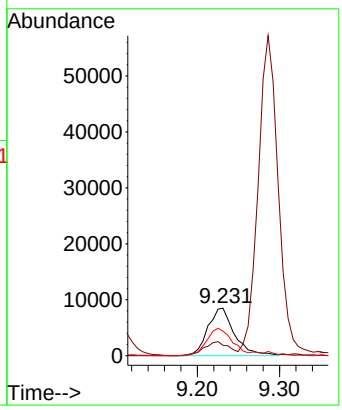
Tgt Ion: 88 Resp: 1912

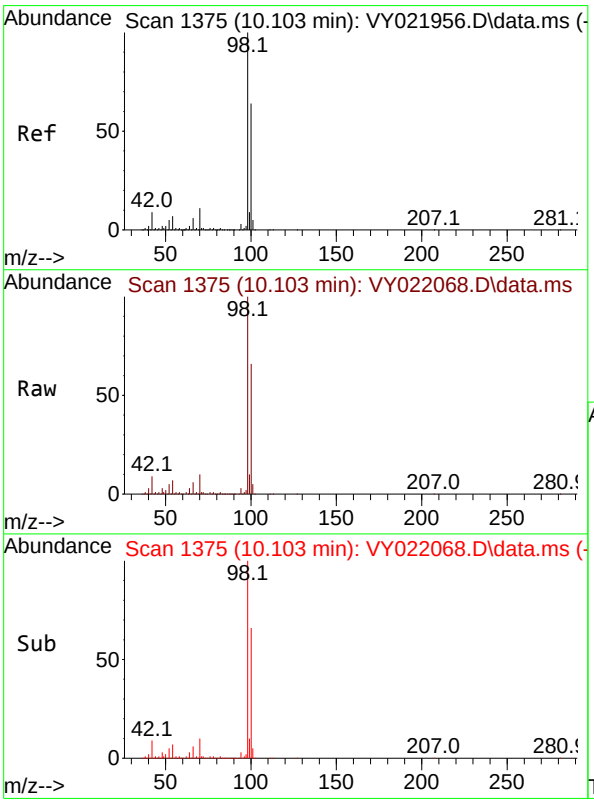
Ion	Ratio	Lower	Upper
88	100		
43	27.7	21.3	31.9
58	58.3	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

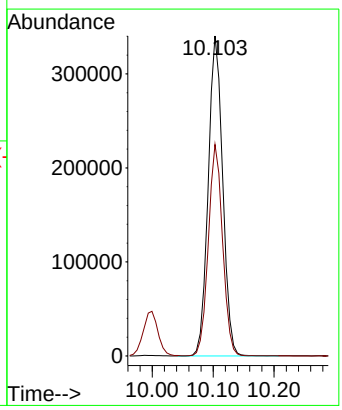


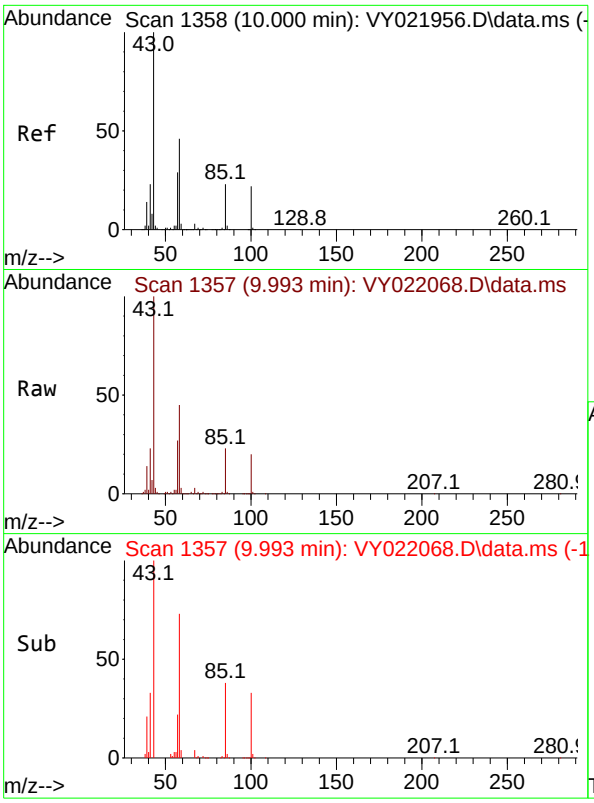


#50
Toluene-d8
Concen: 53.676 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 98 Resp: 560009

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 281.640 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 37854

Ion	Ratio	Lower	Upper
43	100		
58	45.5	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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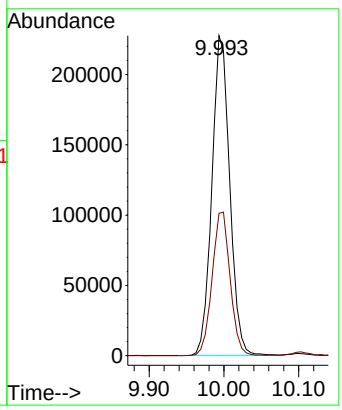
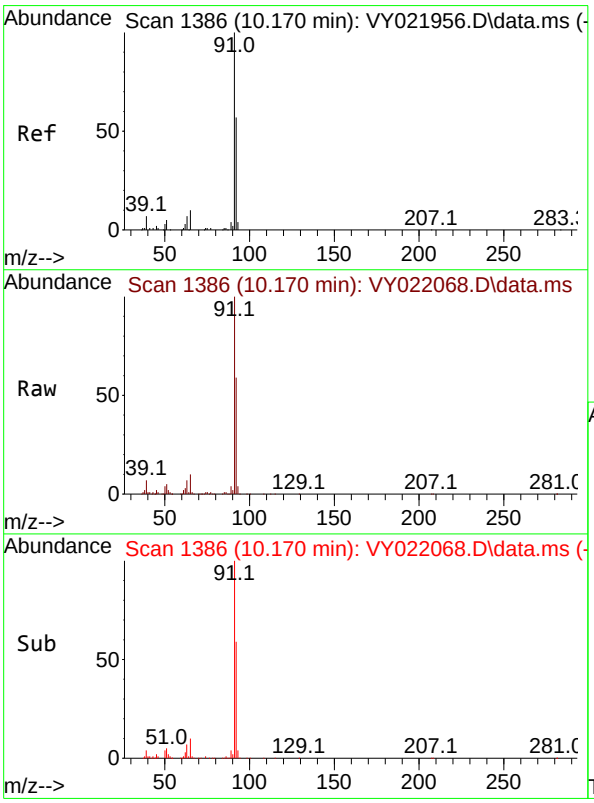
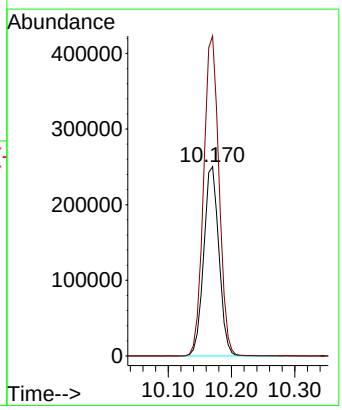


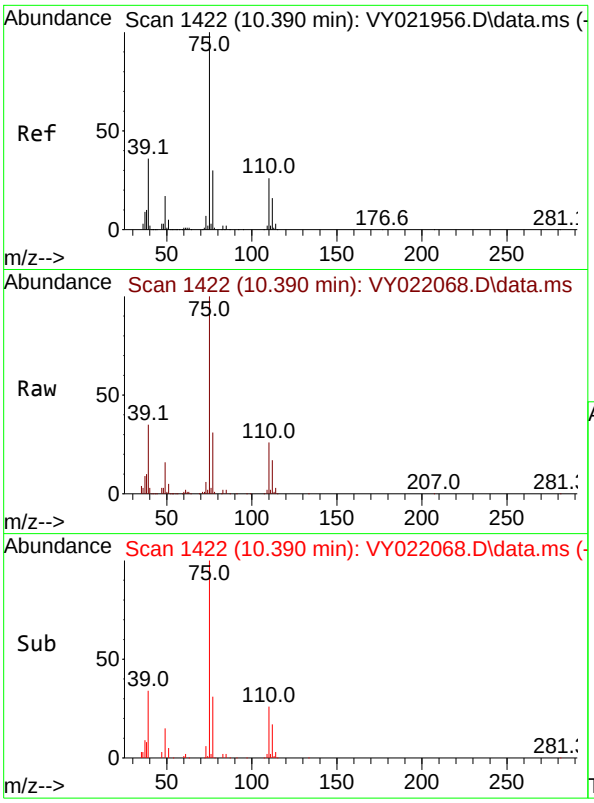


#52
Toluene
Concen: 55.661 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 92 Resp: 418680

Ion	Ratio	Lower	Upper
92	100		
91	171.1	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 53.573 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 18466

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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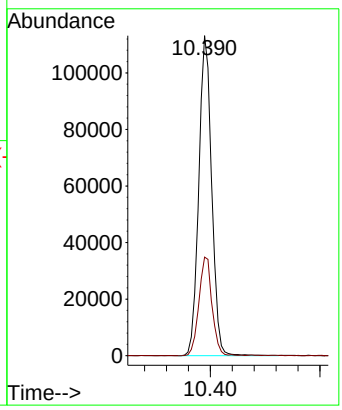
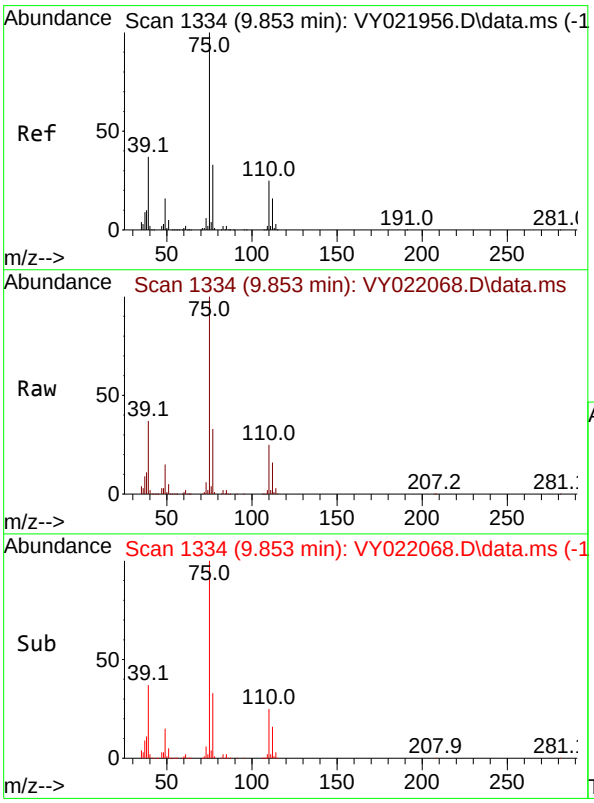
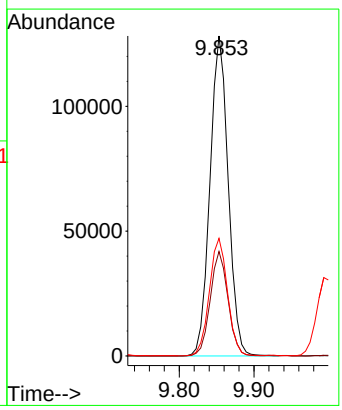


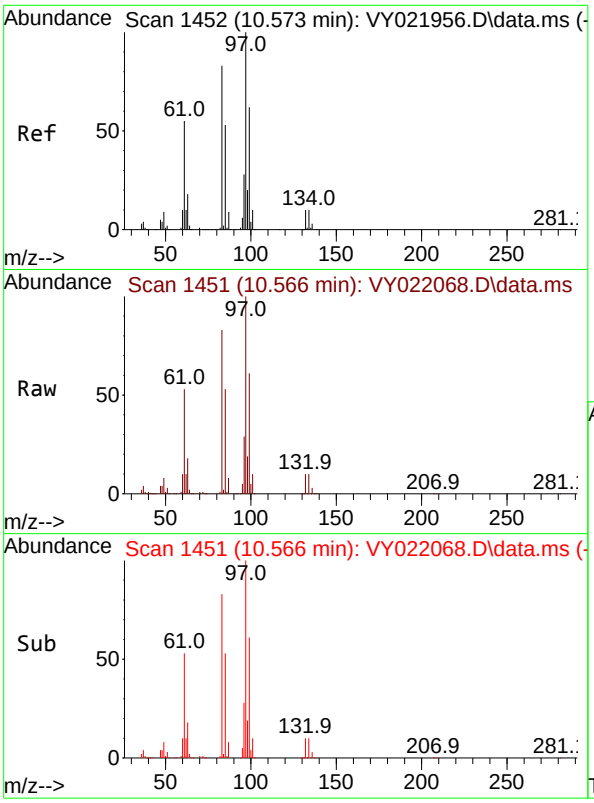


#54
cis-1,3-Dichloropropene
Concen: 52.967 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 217032

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.6	40.0
39	36.7	29.6	44.4

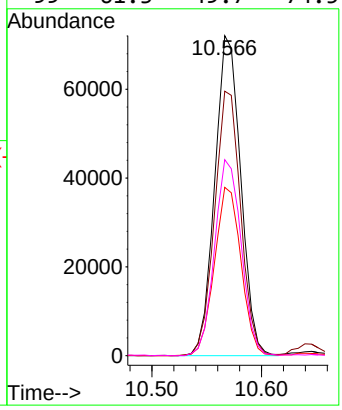




#55
1,1,2-Trichloroethane
Concen: 55.247 ug/l
RT: 10.566 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 97 Resp: 11871(

Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.7	100.1
85	52.5	42.6	64.0
99	61.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
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Manual Integrations
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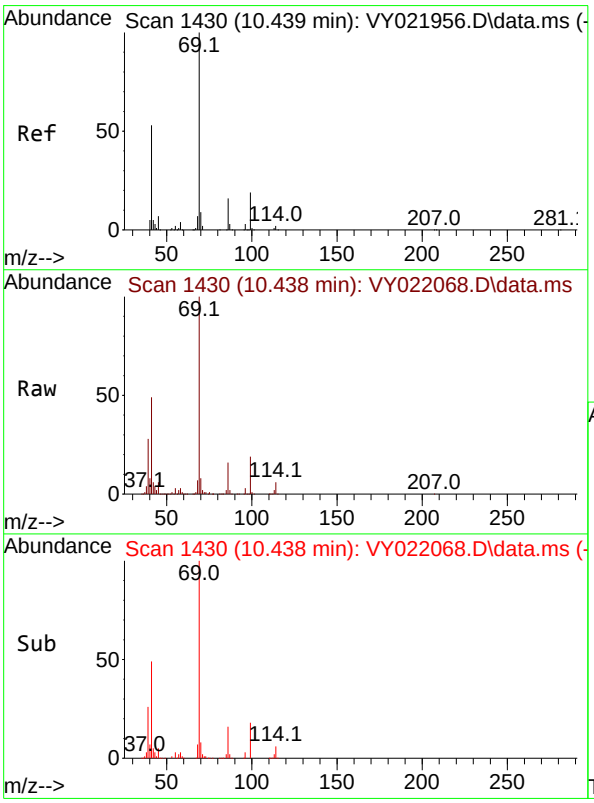
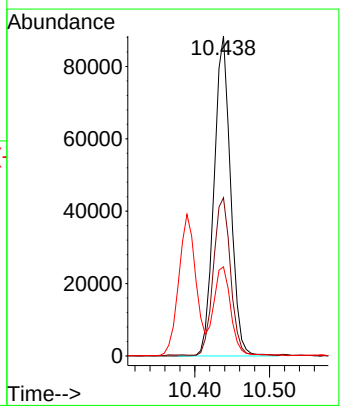
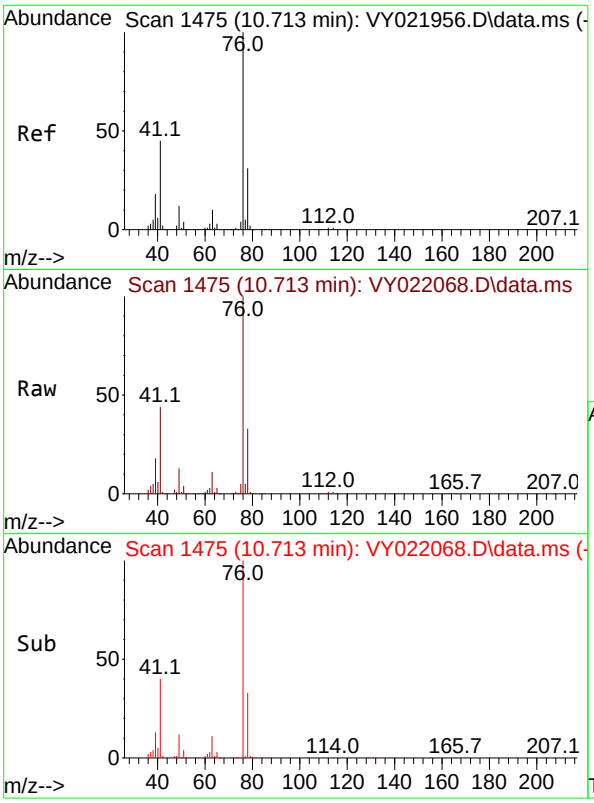


#56
Ethyl methacrylate
Concen: 55.318 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 69 Resp: 135933

Ion	Ratio	Lower	Upper
69	100		
41	51.3	40.7	61.1
39	28.3	23.3	34.9

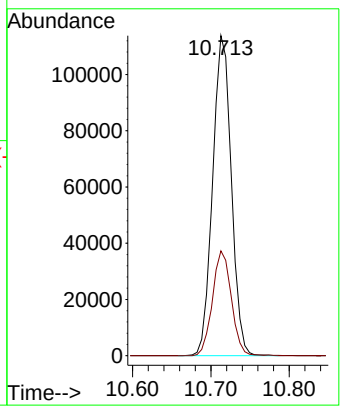




#57
1,3-Dichloropropane
Concen: 54.690 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 76 Resp: 18839

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
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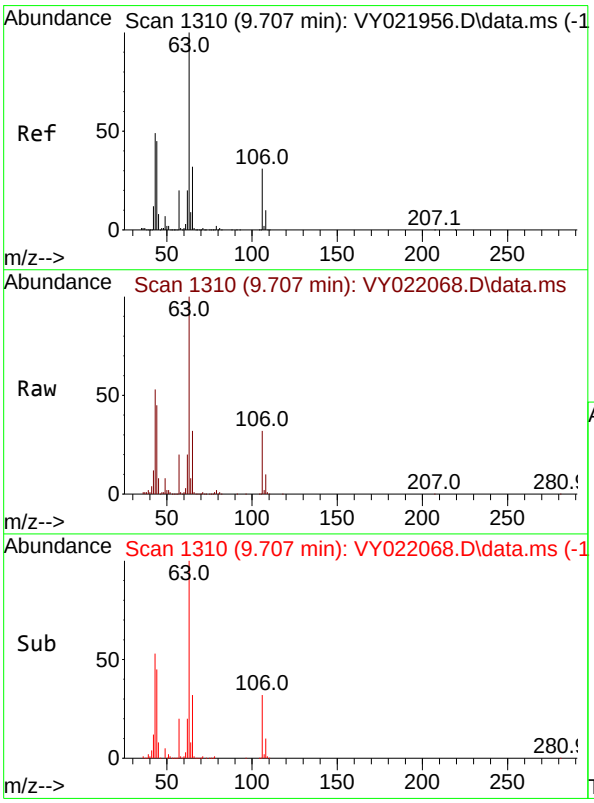
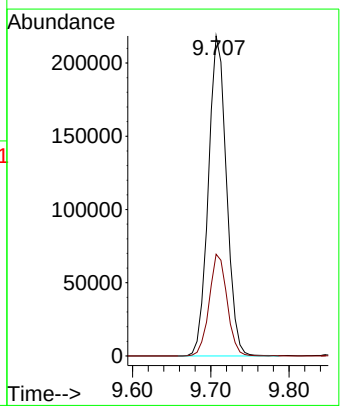
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

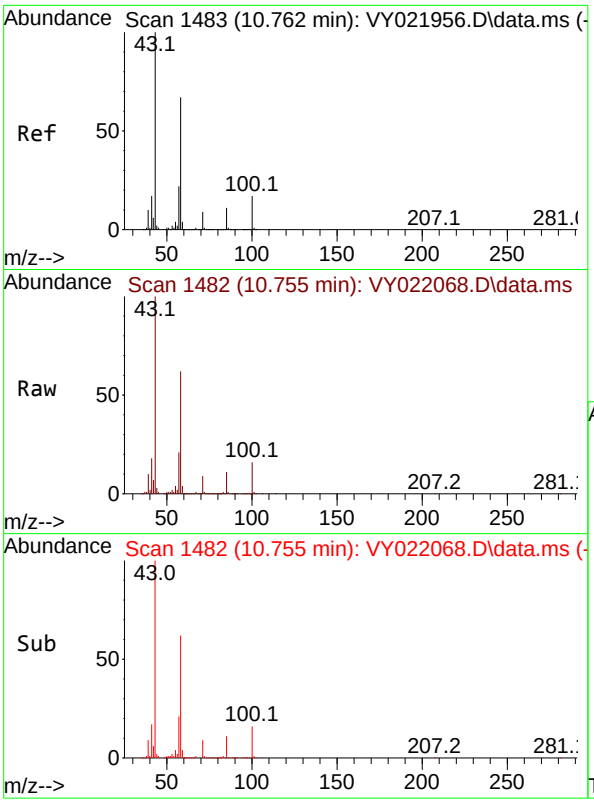


#58
2-Chloroethyl Vinyl ether
Concen: 291.553 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 63 Resp: 350286

Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.3	37.9





#59
2-Hexanone
Concen: 282.992 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 25087

Ion	Ratio	Lower	Upper
43	100		
58	63.5	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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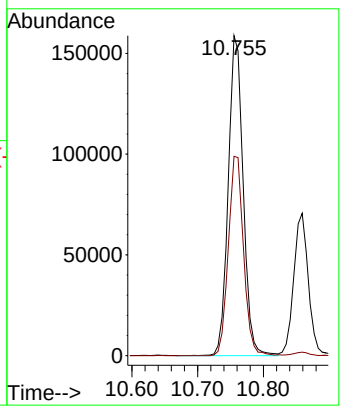
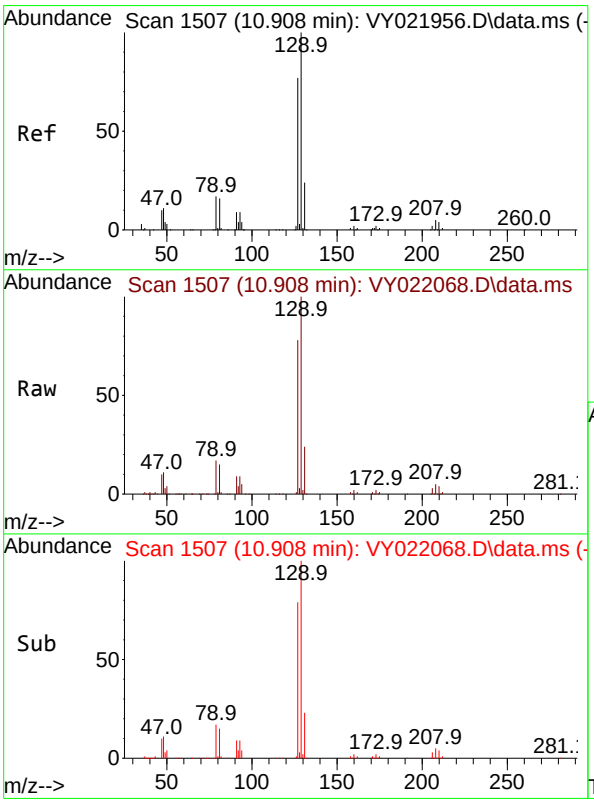
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

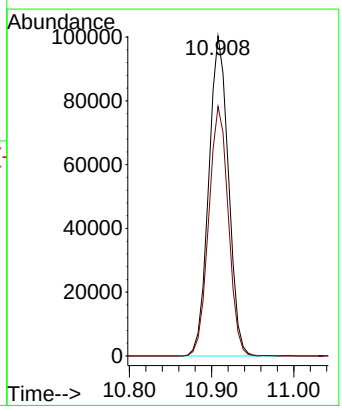


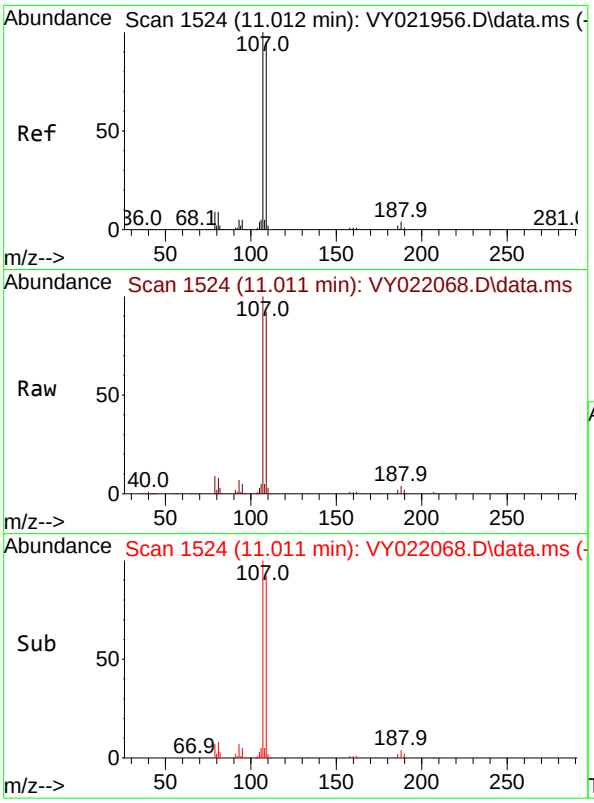


#60
Dibromochloromethane
Concen: 56.193 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:129 Resp: 167173

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.3





#61
1,2-Dibromoethane
Concen: 55.927 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:107 Resp: 11345

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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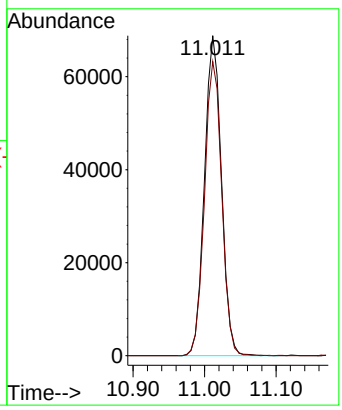
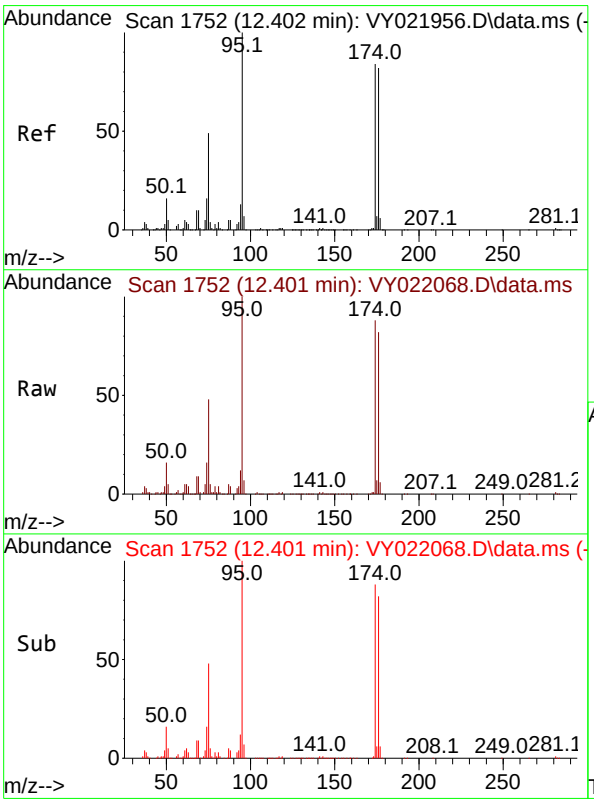
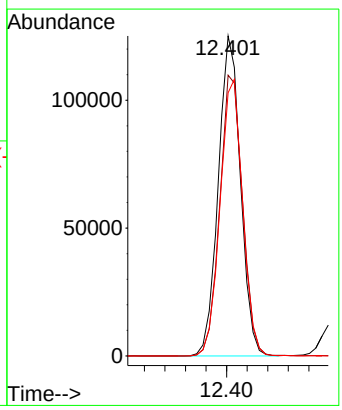


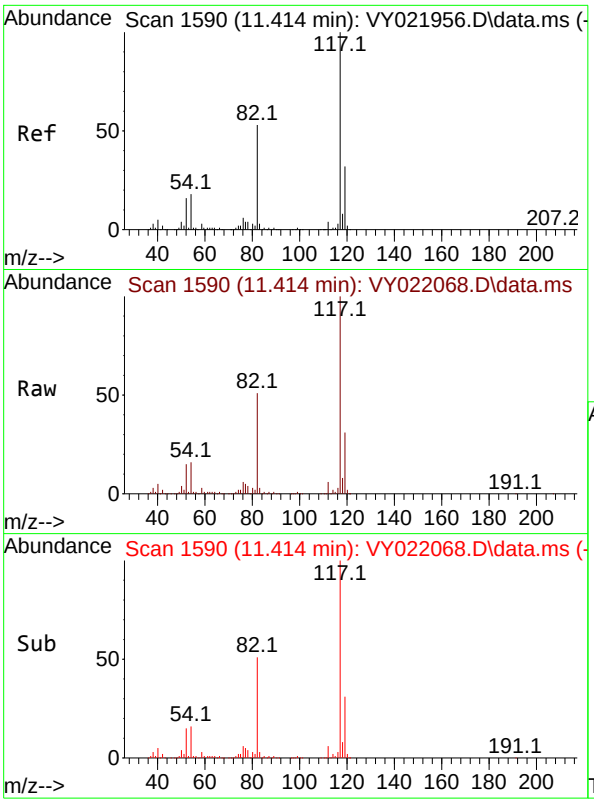


#62
4-Bromofluorobenzene
Concen: 53.268 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 95 Resp: 187088

Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	179.0
176	87.9	0.0	171.8

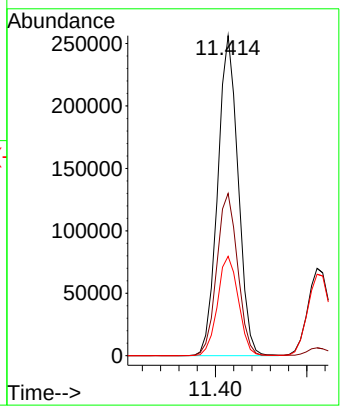




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:117 Resp: 39744

Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.1	63.1
119	31.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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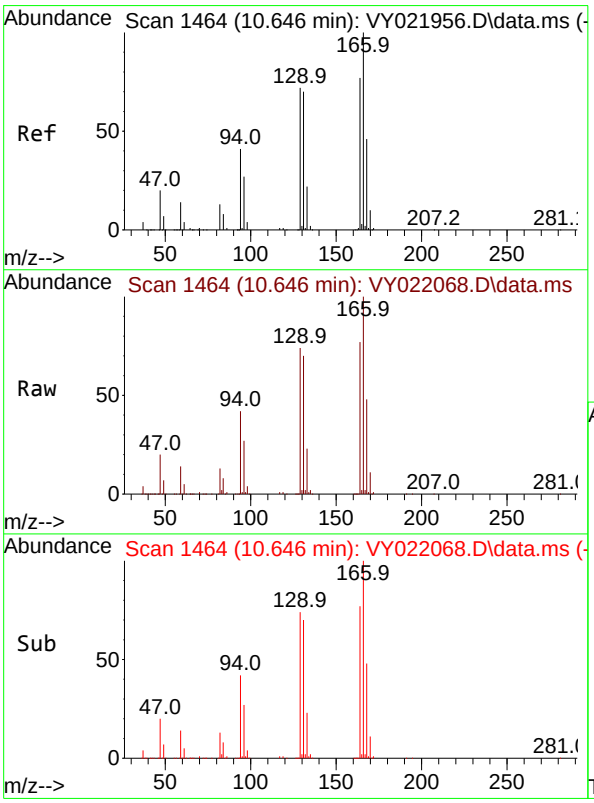
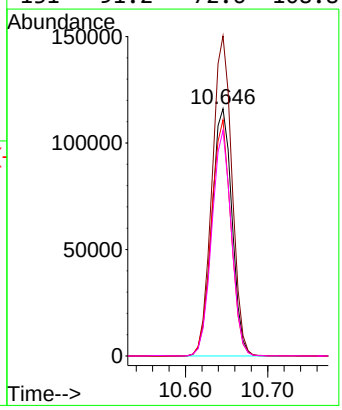
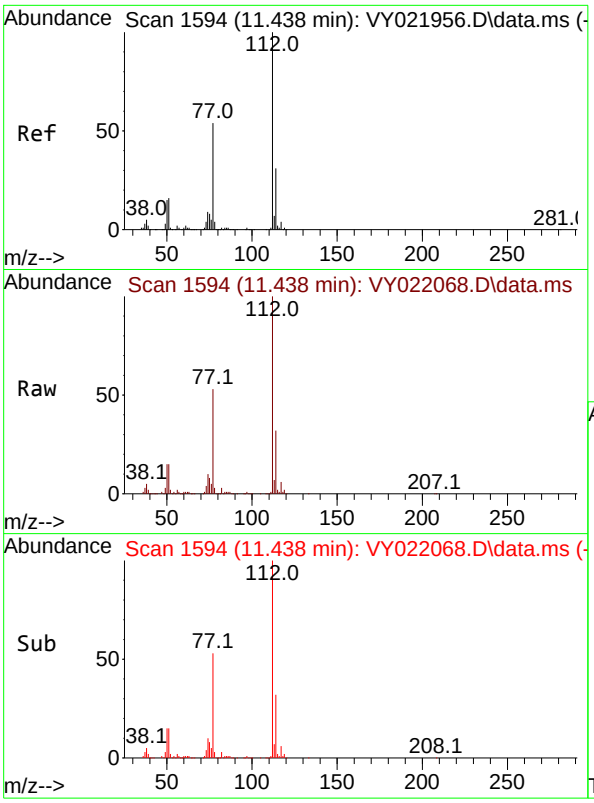


#64
Tetrachloroethene
Concen: 52.857 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:164 Resp: 198180

Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.6	155.4
129	95.5	74.2	111.4
131	91.2	72.6	108.8

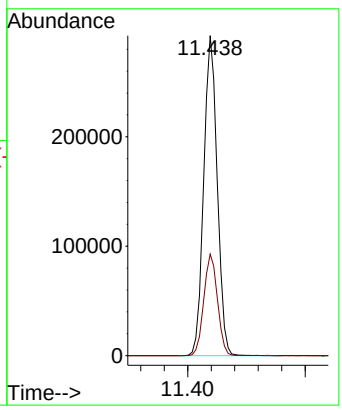




#65
Chlorobenzene
Concen: 52.461 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:112 Resp: 46626

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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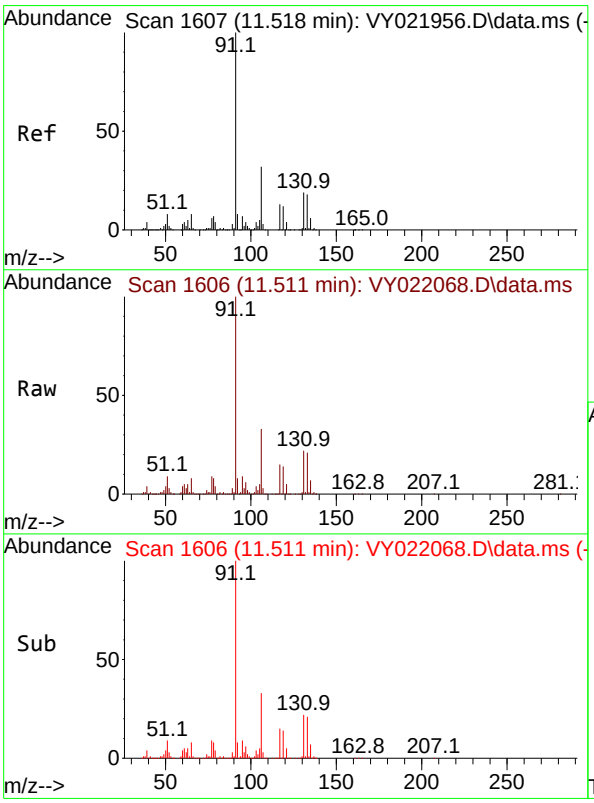
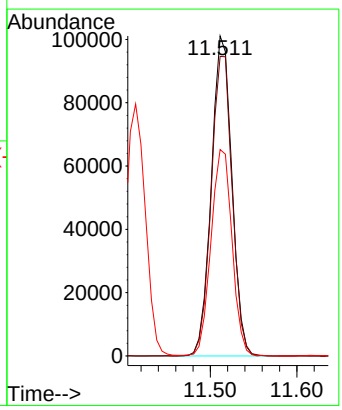
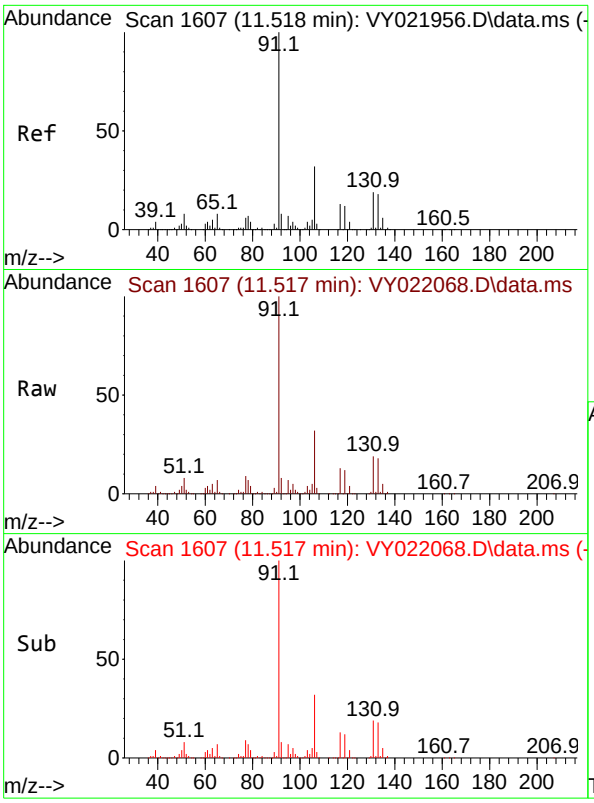


#66
1,1,1,2-Tetrachloroethane
Concen: 53.227 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:131 Resp: 166548

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.3
119	66.0	32.4	97.0





#67
Ethyl Benzene
Concen: 53.889 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 91 Resp: 78349

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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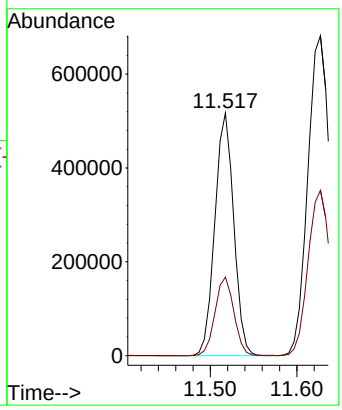
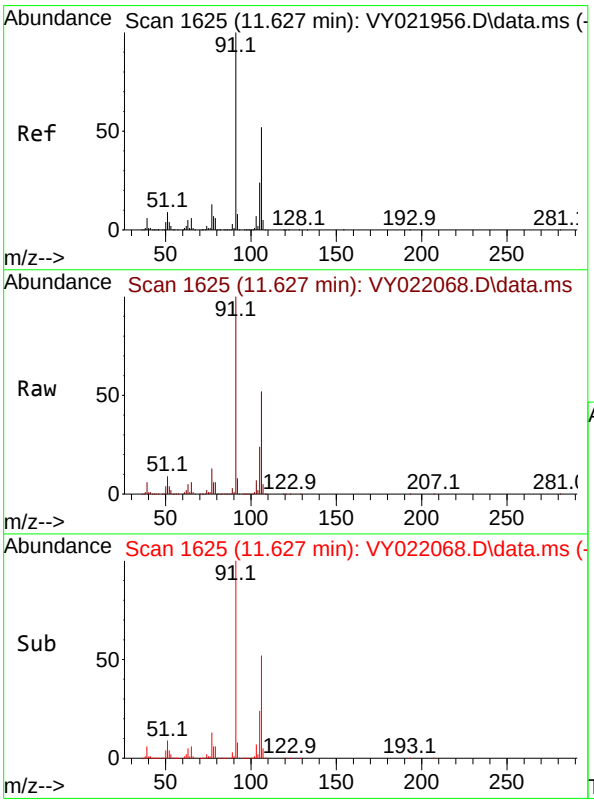
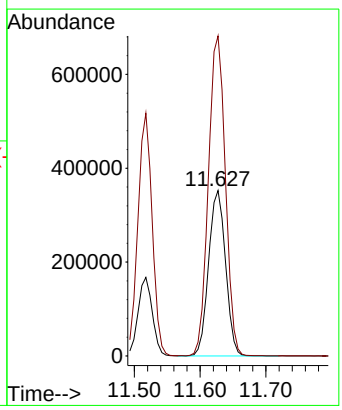


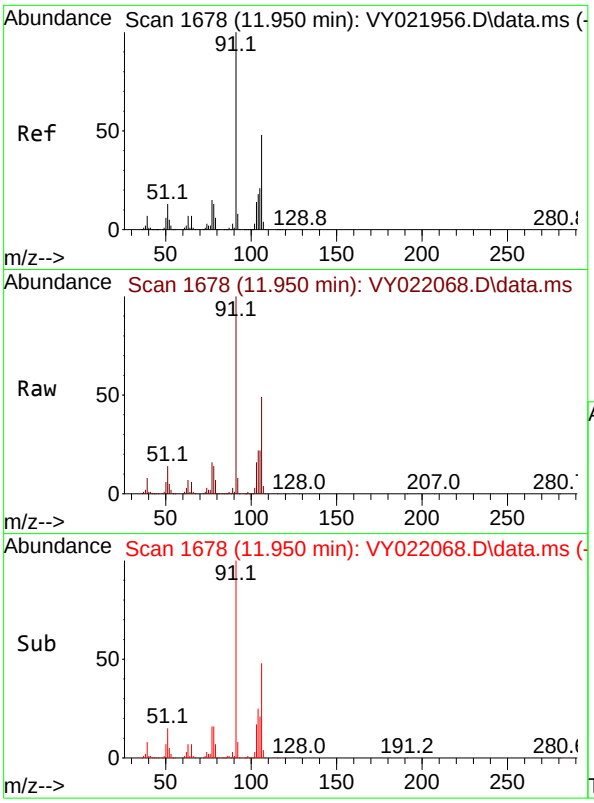


#68
m/p-Xylenes
Concen: 109.058 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:106 Resp: 630948

Ion	Ratio	Lower	Upper
106	100		
91	194.1	156.2	234.2

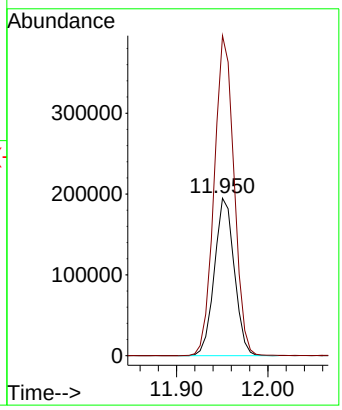




#69
o-Xylene
Concen: 55.305 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:106 Resp: 29490

Ion	Ratio	Lower	Upper
106	100		
91	203.0	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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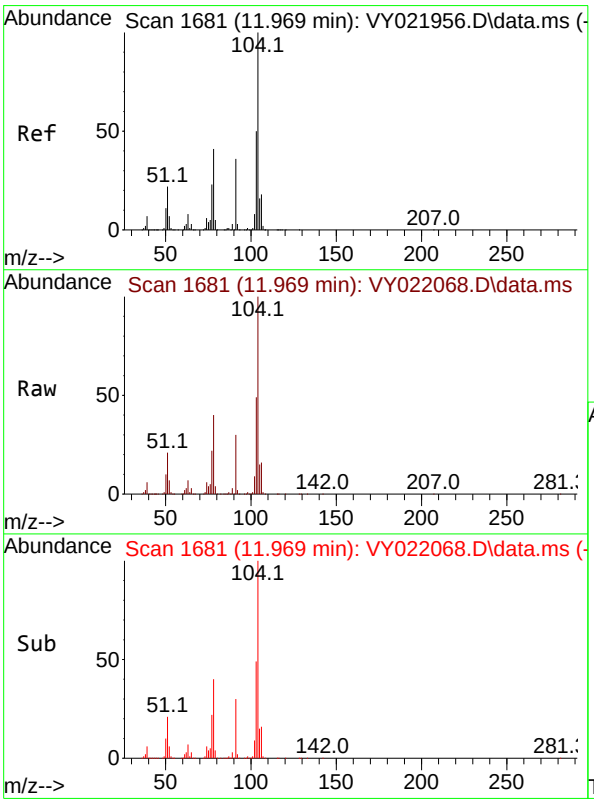
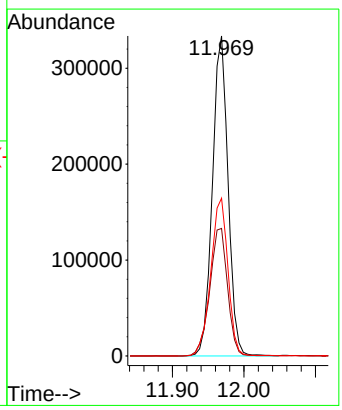
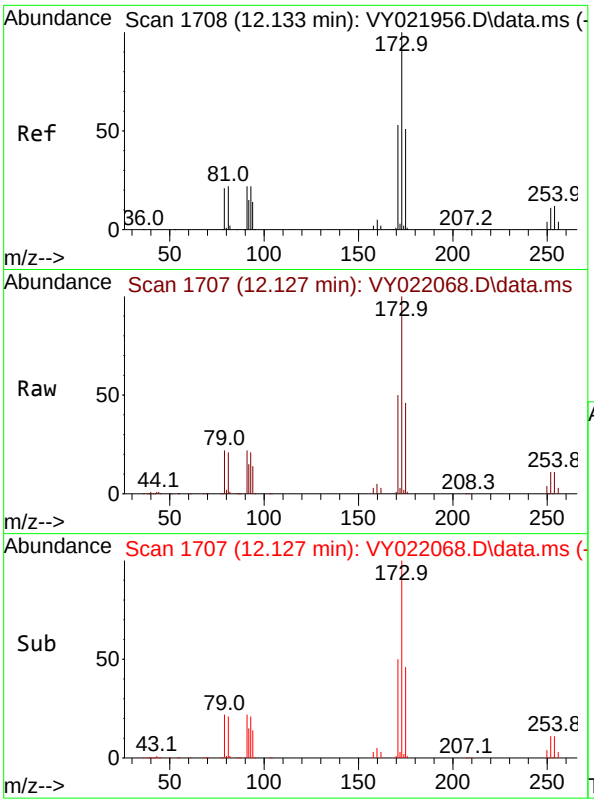


#70
Styrene
Concen: 56.544 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:104 Resp: 506252

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.6	54.8
103	54.0	43.8	65.8

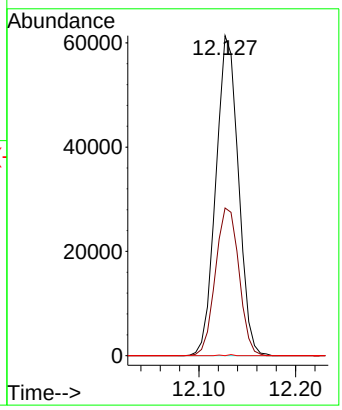




#71
Bromoform
Concen: 54.537 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:173 Resp: 9921

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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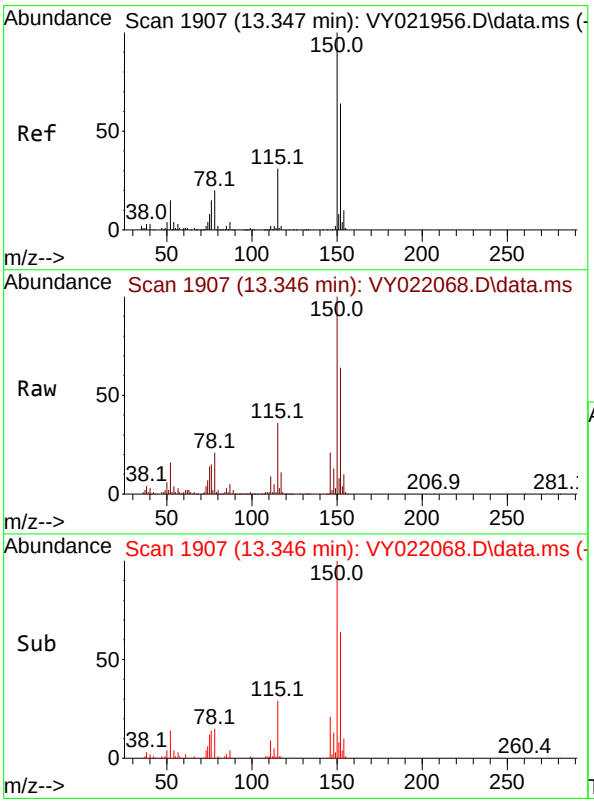
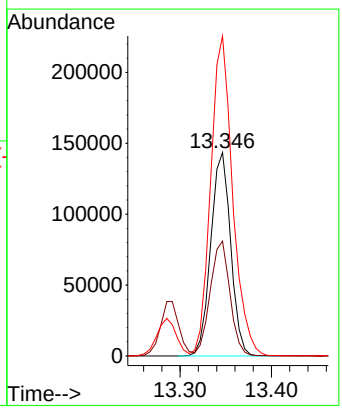
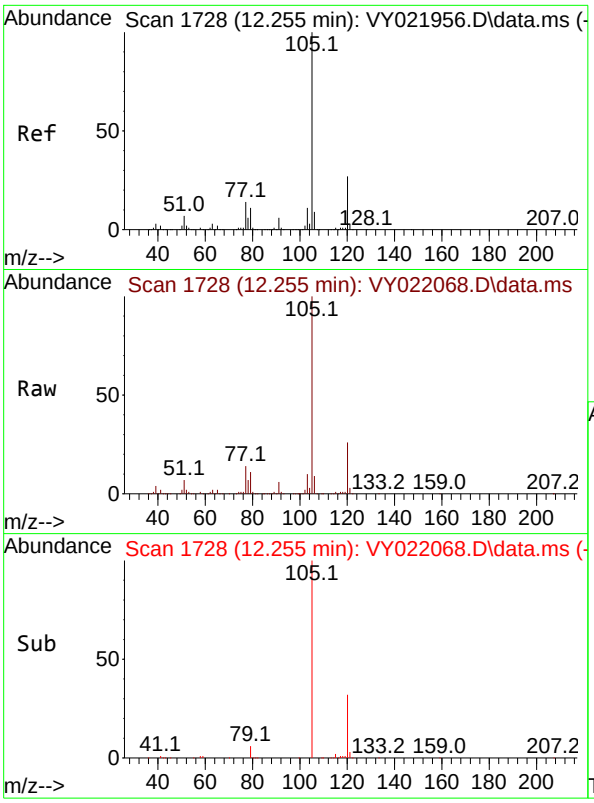


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:152 Resp: 216567

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.0	84.0
150	173.7	0.0	345.6





#73
Isopropylbenzene
Concen: 52.147 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:105 Resp: 75450

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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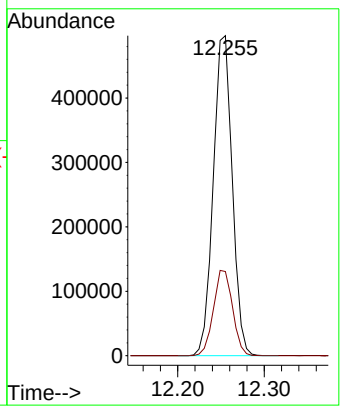
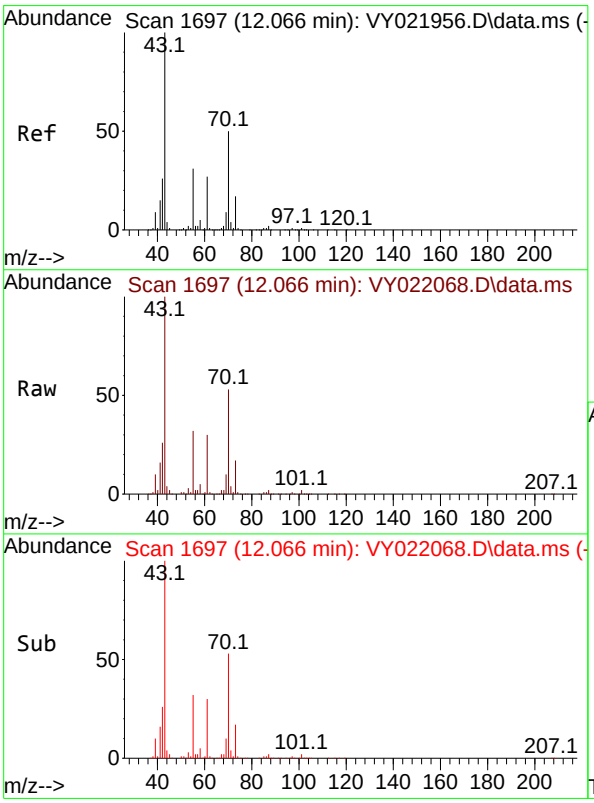
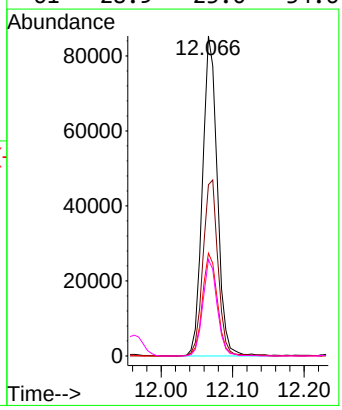


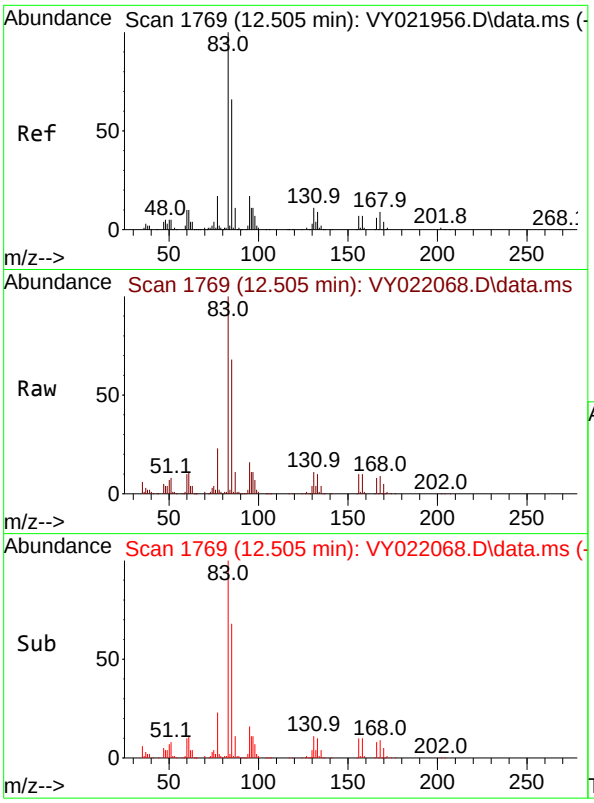


#74
N-amyl acetate
Concen: 49.573 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 123233

Ion	Ratio	Lower	Upper
43	100		
70	55.6	43.2	64.8
55	32.5	25.7	38.5
61	28.9	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 50.669 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 83 Resp: 12360

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	64.6	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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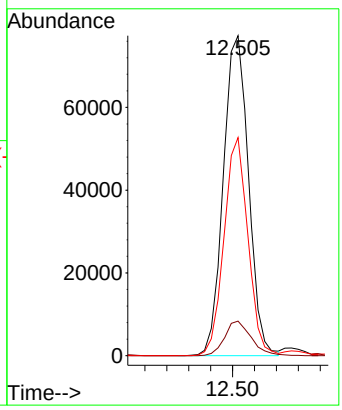
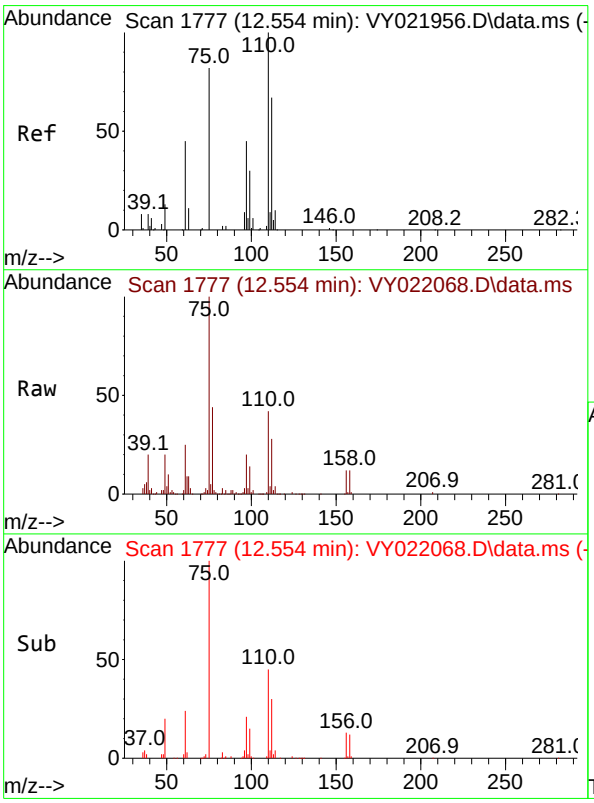
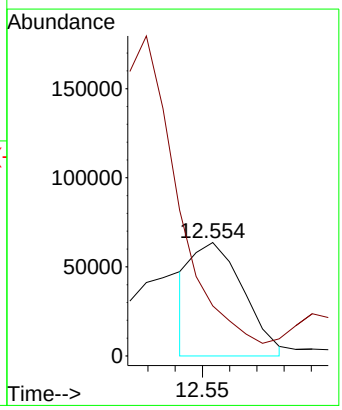


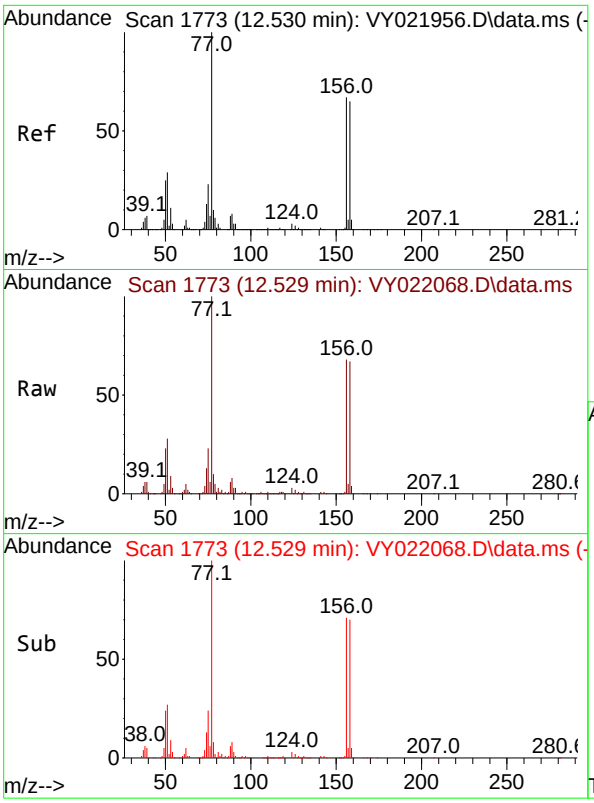


#76
1,2,3-Trichloropropane
Concen: 45.273 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 83982

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

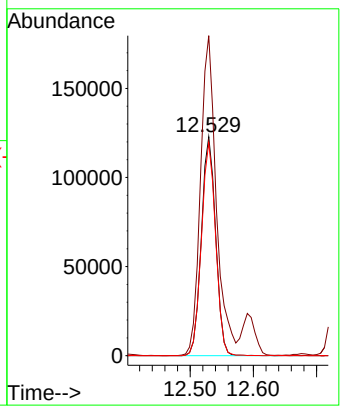




#77
Bromobenzene
Concen: 52.825 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:156 Resp: 19313

Ion	Ratio	Lower	Upper
156	100		
77	162.2	82.7	248.1
158	97.1	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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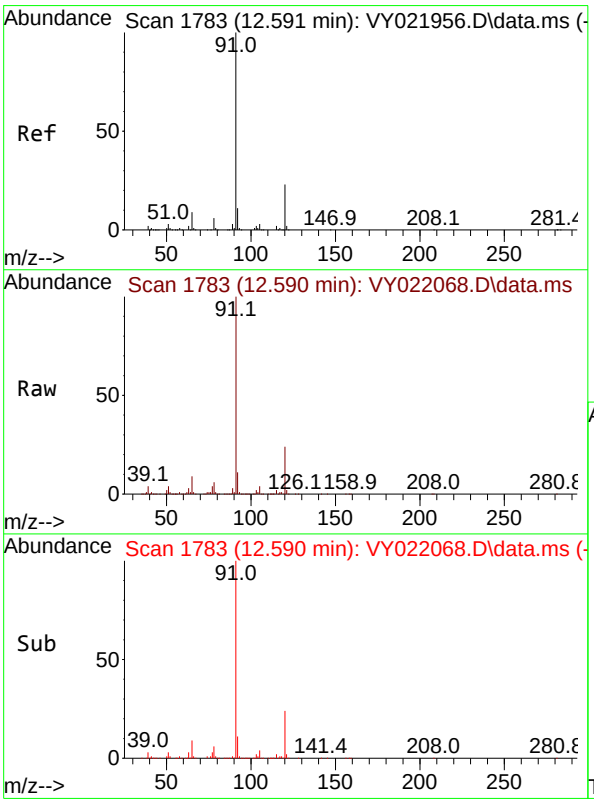
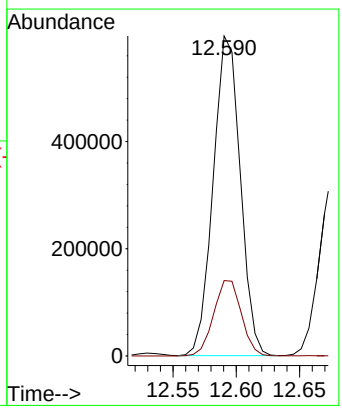
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

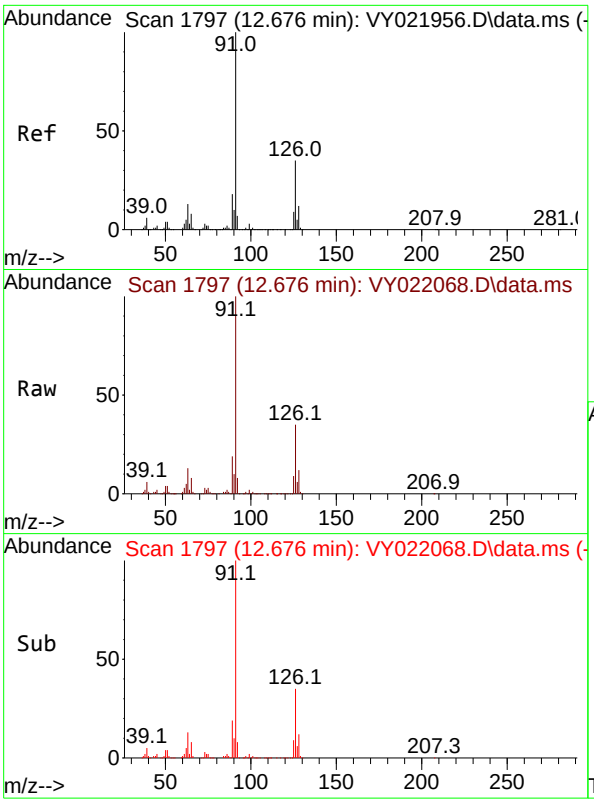


#78
n-propylbenzene
Concen: 51.568 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 91 Resp: 888566

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.5

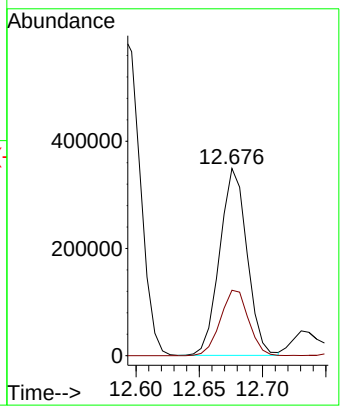




#79
2-Chlorotoluene
Concen: 52.469 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 91 Resp: 52578

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/30/2025
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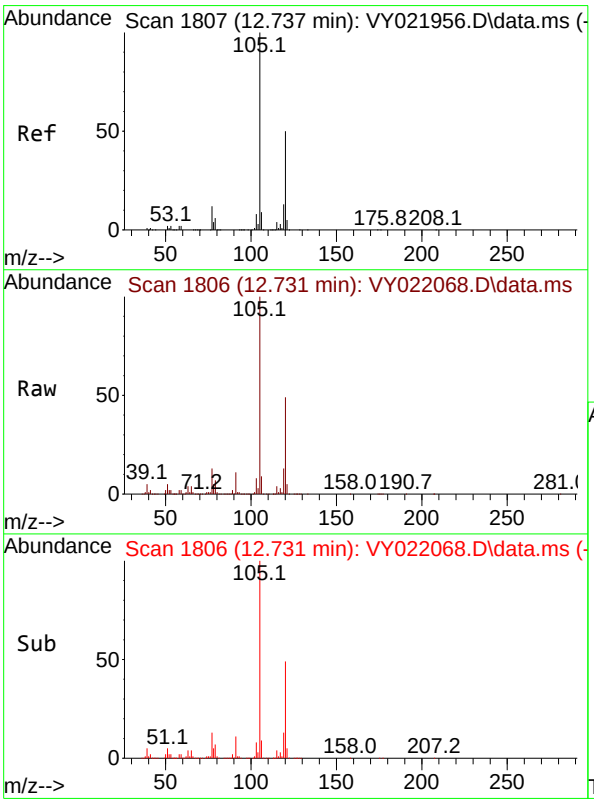
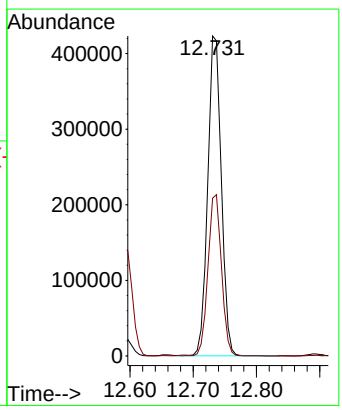
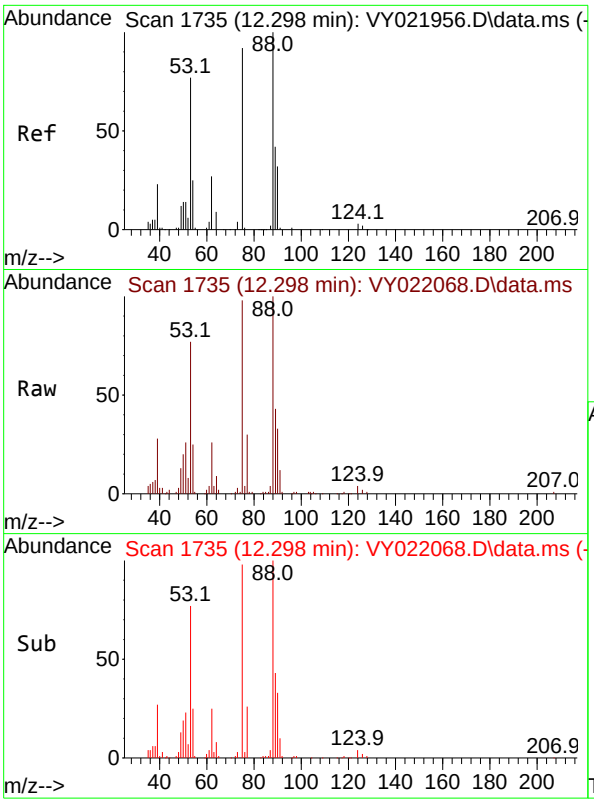


#80
1,3,5-Trimethylbenzene
Concen: 52.985 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:105 Resp: 631673

Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.0	75.0

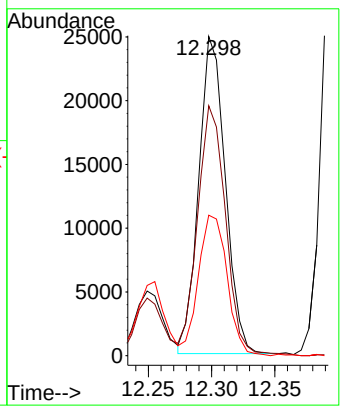




#81
trans-1,4-Dichloro-2-butene
Concen: 47.174 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 3633

Ion	Ratio	Lower	Upper
75	100		
53	83.4	66.0	99.0
89	48.1	37.2	55.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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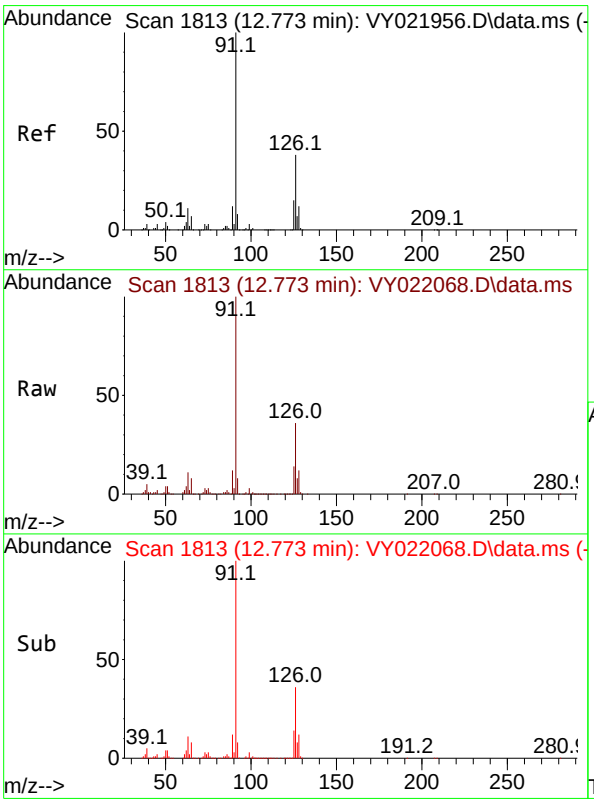
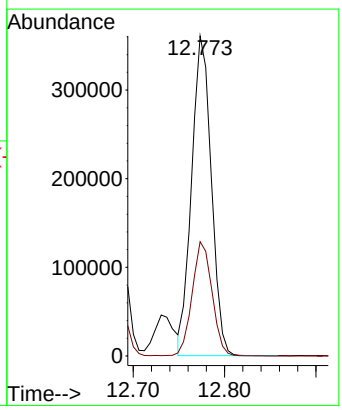
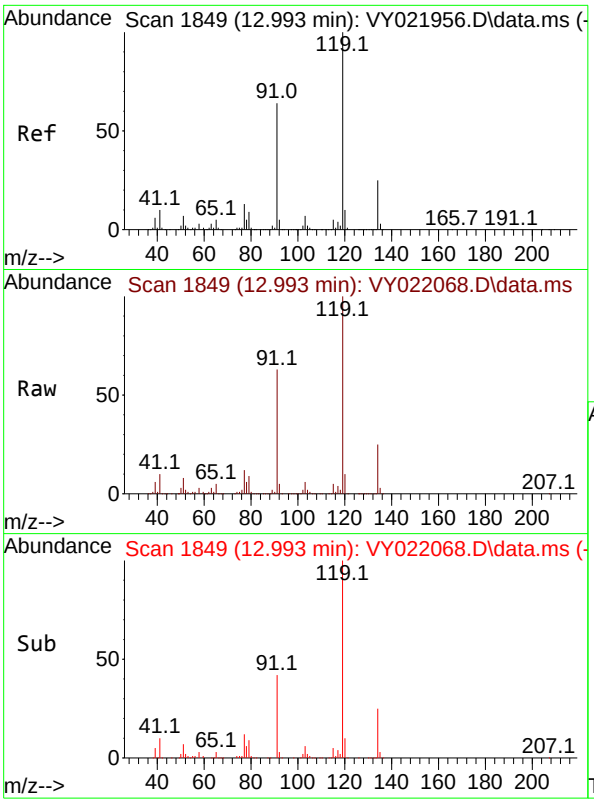


#82
4-Chlorotoluene
Concen: 51.763 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 91 Resp: 539217

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8





#83
tert-Butylbenzene
Concen: 53.448 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:119 Resp: 57145

Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.3	90.9
134	25.9	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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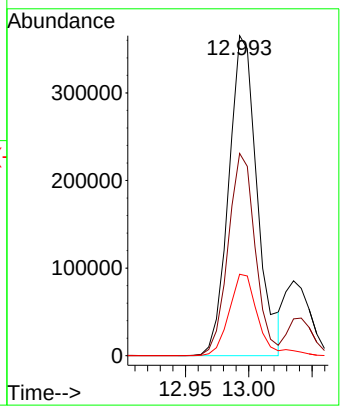
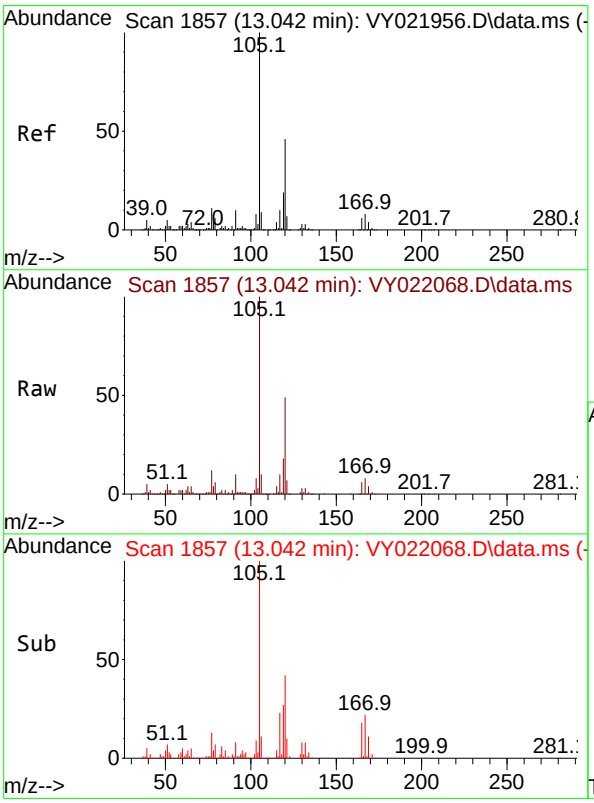
Supervised By :Mahesh Dadoda 04/30/2025

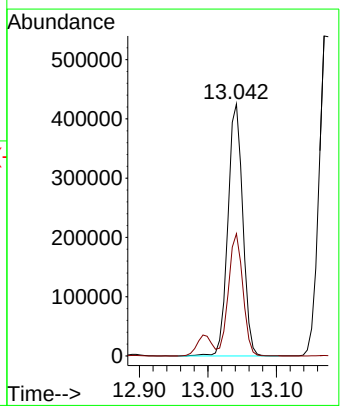


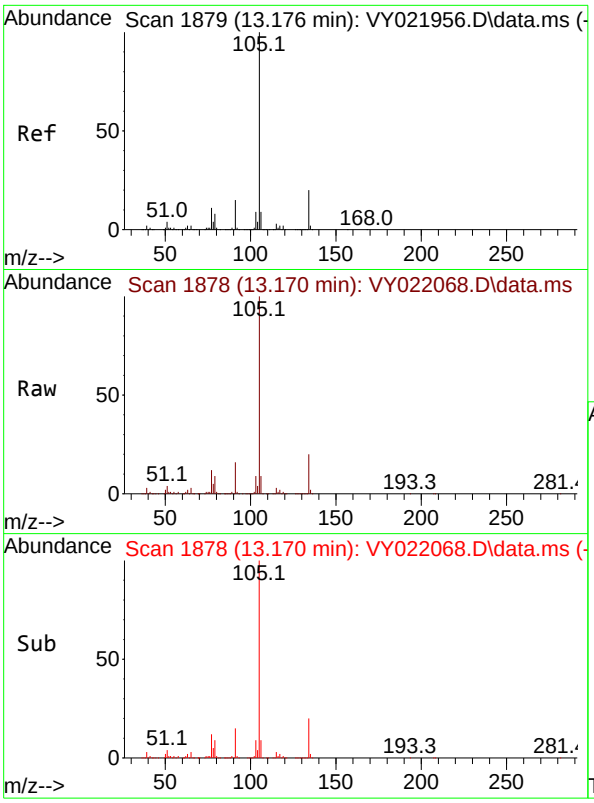


#84
1,2,4-Trimethylbenzene
Concen: 53.490 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:105 Resp: 637834

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.0





#85
sec-Butylbenzene
Concen: 51.537 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:105 Resp: 80633

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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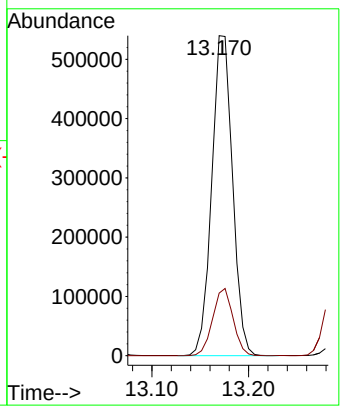
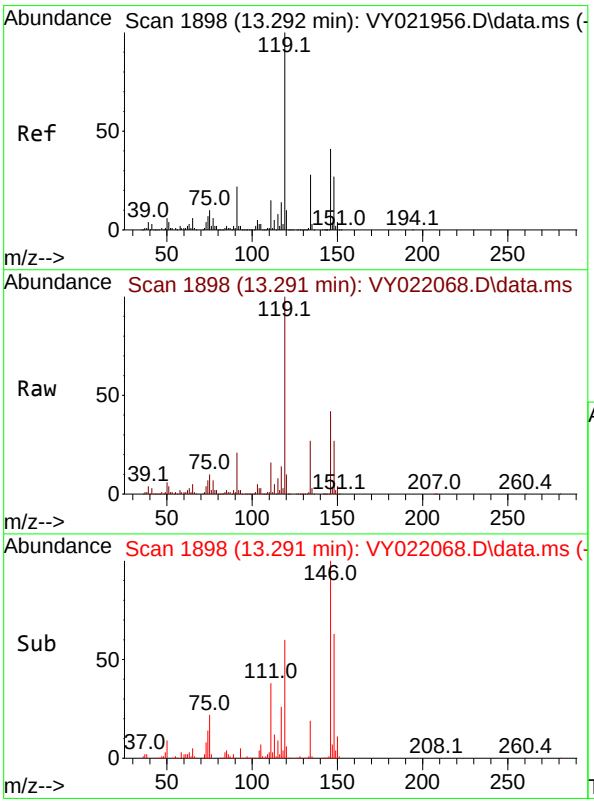
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

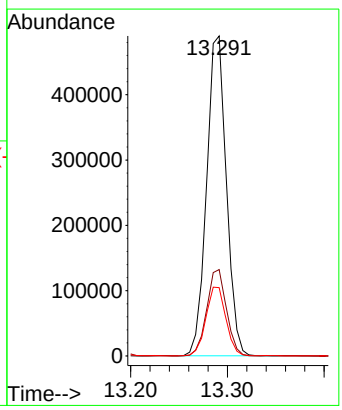


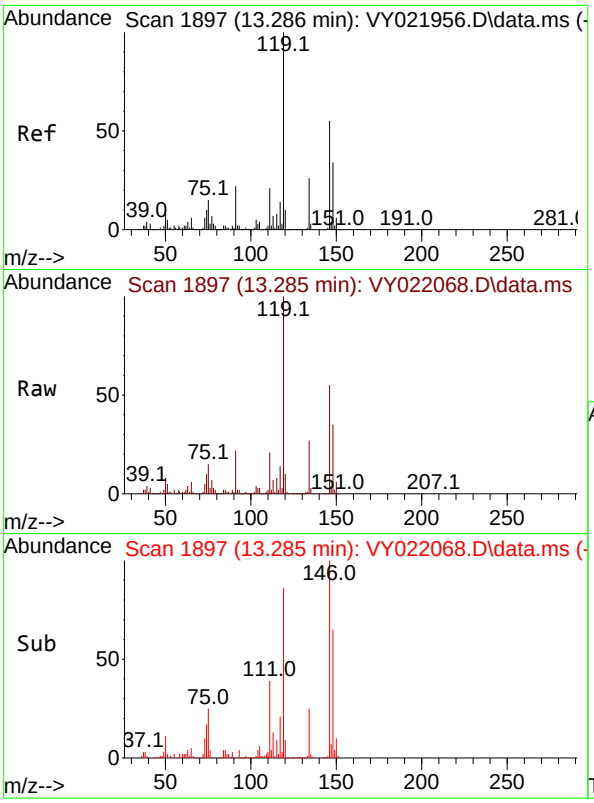


#86
p-Isopropyltoluene
Concen: 52.415 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:119 Resp: 696362

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	21.7	11.0	33.0





#87
1,3-Dichlorobenzene
Concen: 51.454 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:146 Resp: 38208

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.9	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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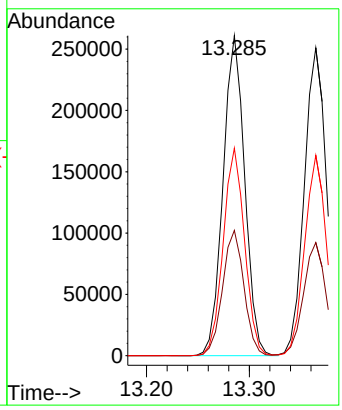
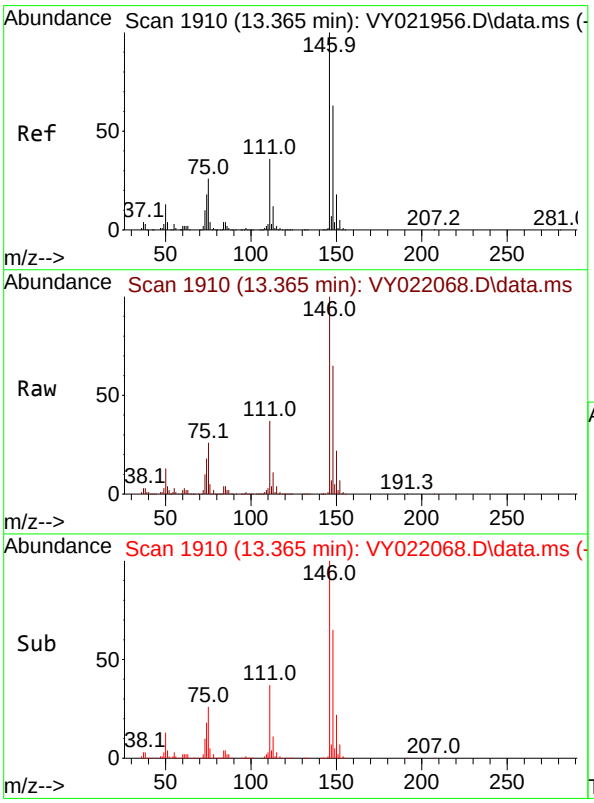
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

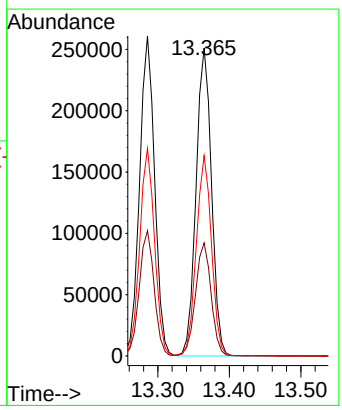


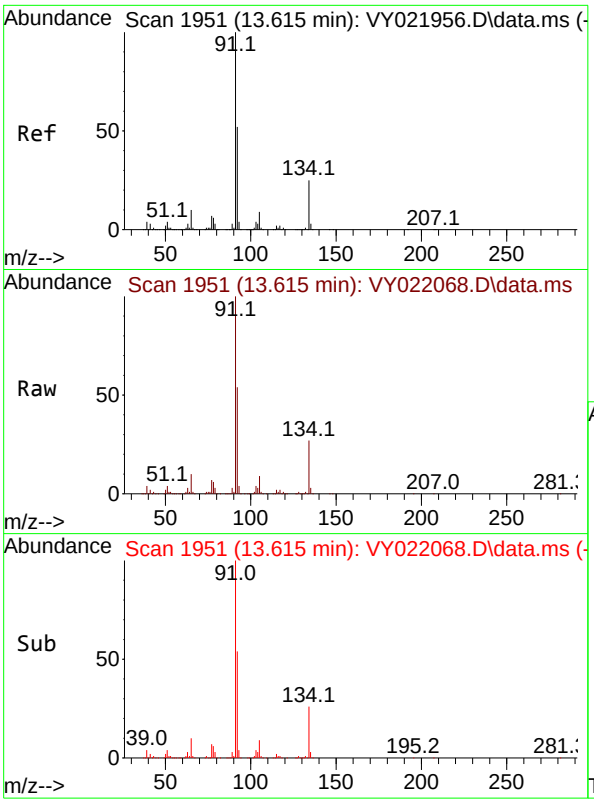


#88
1,4-Dichlorobenzene
Concen: 51.205 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:146 Resp: 376582

Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.2	57.6
148	64.0	32.0	96.0

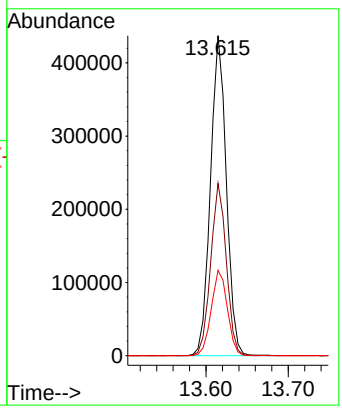




#89
n-Butylbenzene
Concen: 49.245 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 91 Resp: 58478

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	27.2	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/30/2025
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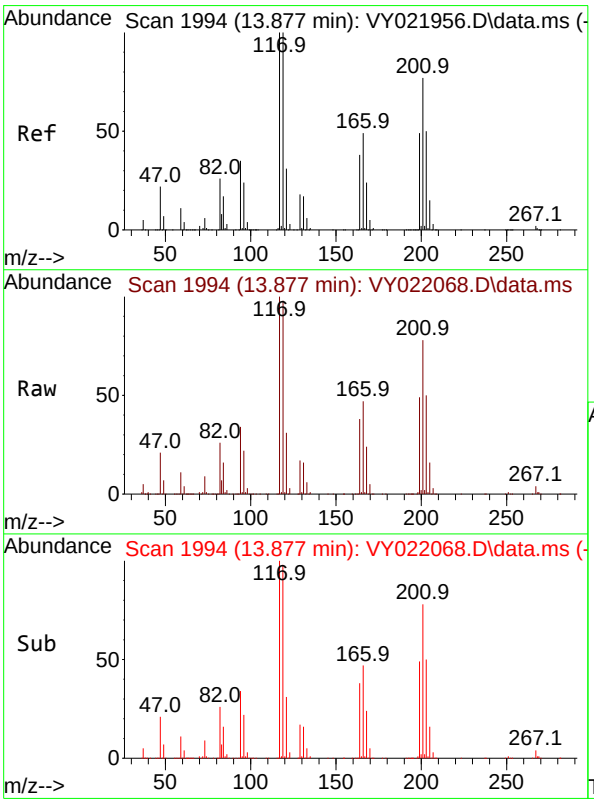
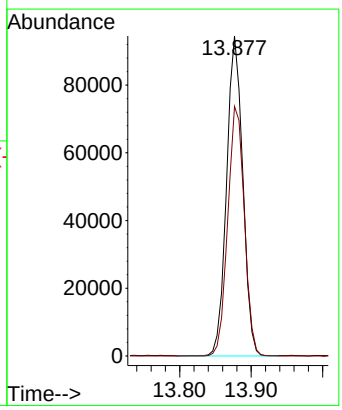
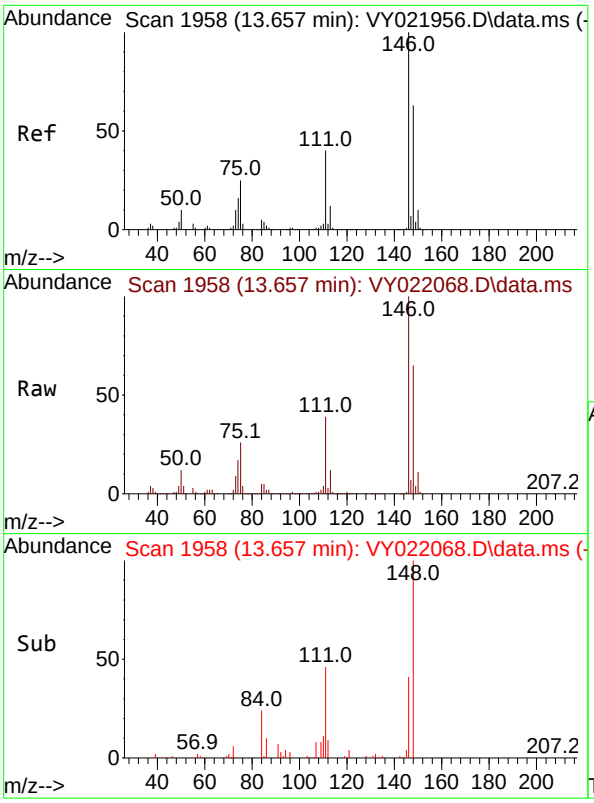


#90
Hexachloroethane
Concen: 50.959 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:117 Resp: 148747

Ion	Ratio	Lower	Upper
117	100		
201	79.7	38.7	116.1

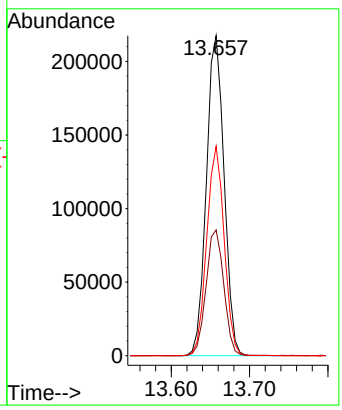




#91
1,2-Dichlorobenzene
Concen: 52.679 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:146 Resp: 34118

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	64.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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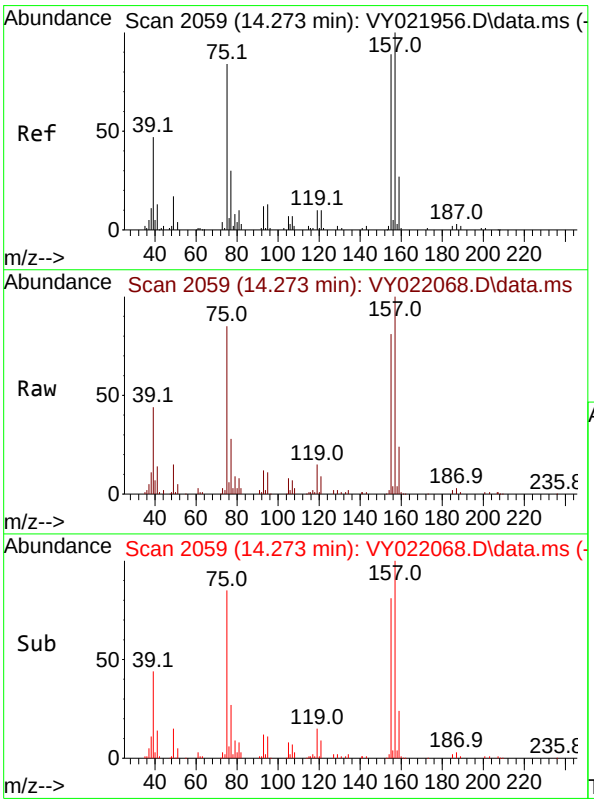
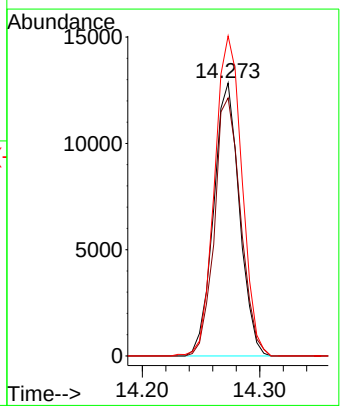
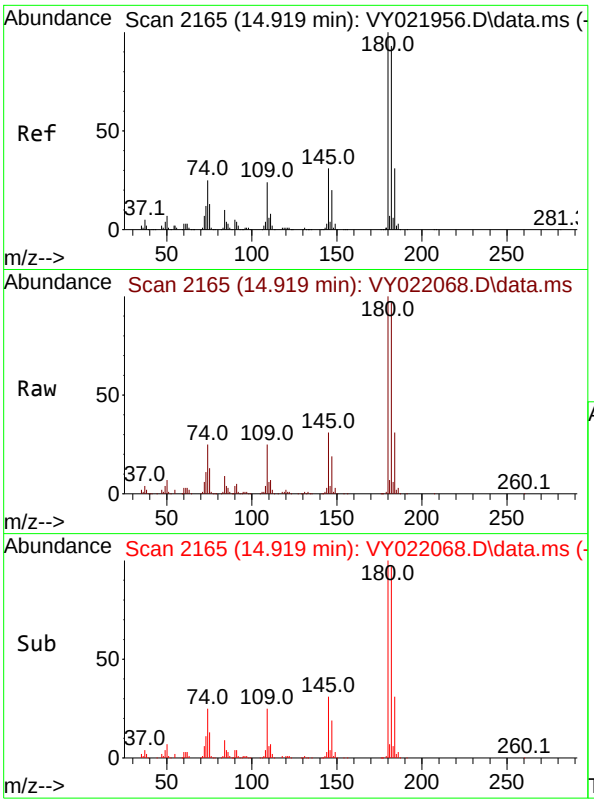


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.577 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 19629

Ion	Ratio	Lower	Upper
75	100		
155	95.4	50.7	152.3
157	123.8	62.6	187.8

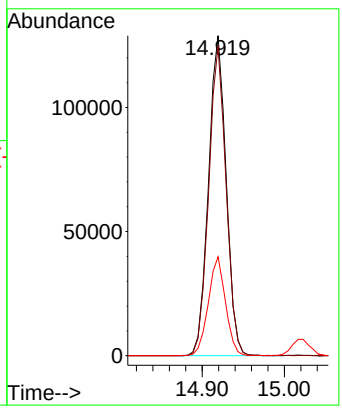




#93
1,2,4-Trichlorobenzene
Concen: 52.378 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:180 Resp: 19223

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.4
145	30.1	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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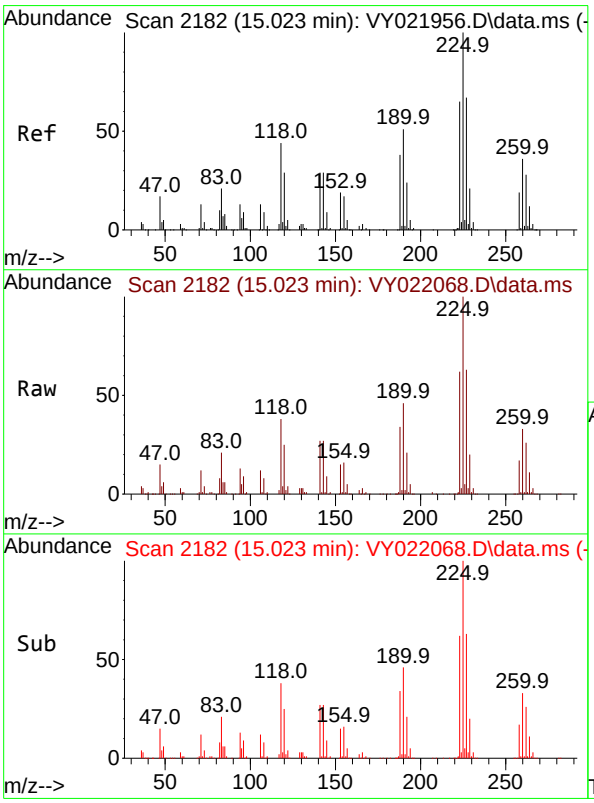
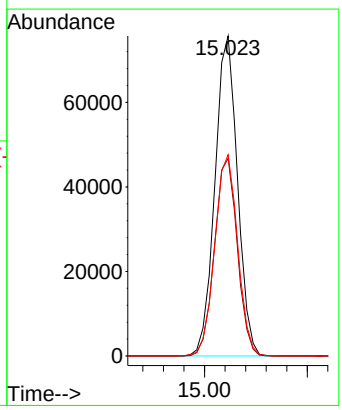
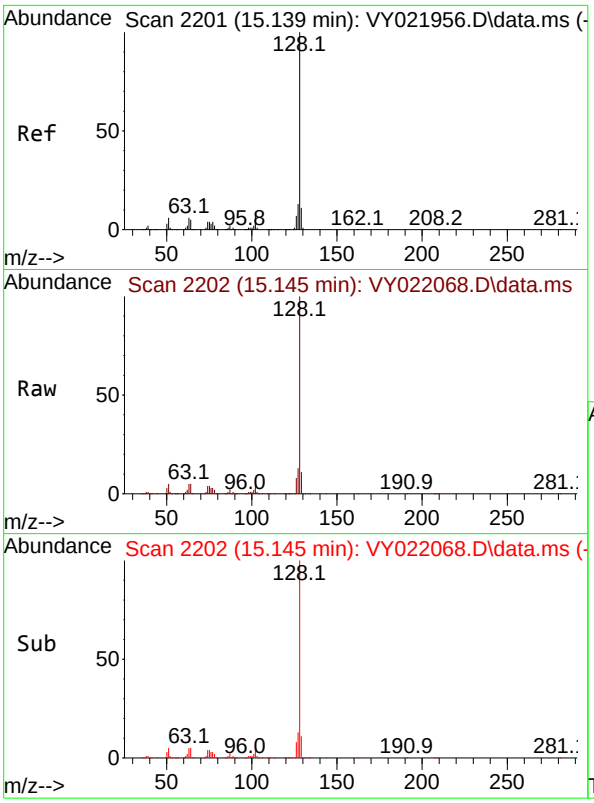


#94
Hexachlorobutadiene
Concen: 51.008 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:225 Resp: 115180

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	63.9	32.3	96.9

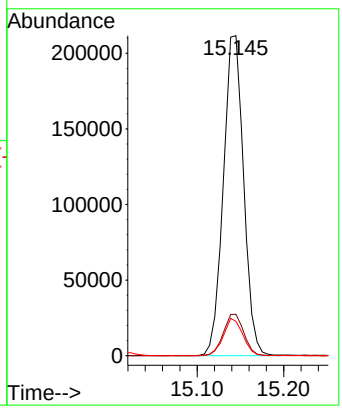




#95
Naphthalene
Concen: 56.524 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:128 Resp: 34461

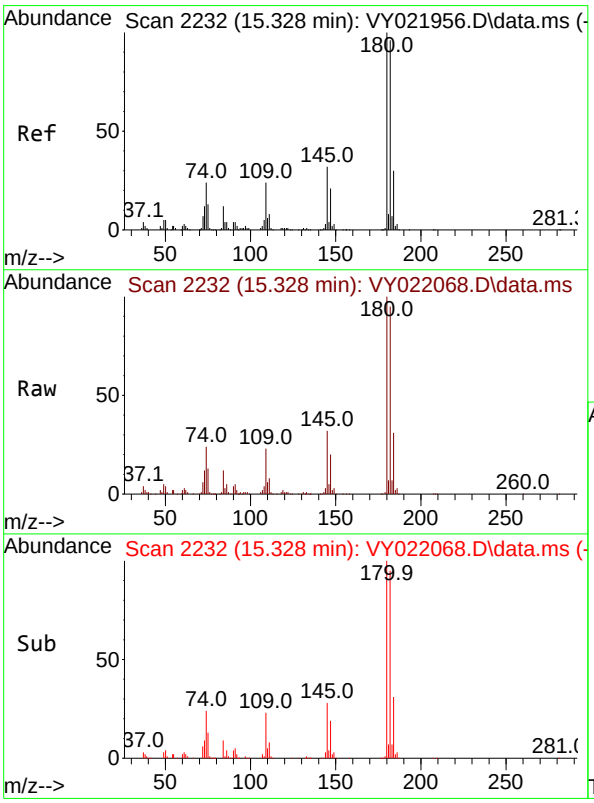
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.2	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

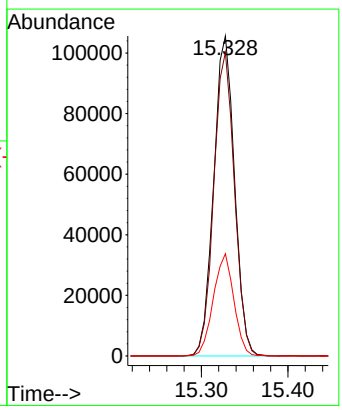
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.603 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:180 Resp: 176155

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.4
145	31.6	16.0	48.0



Sample Results: **VY022068.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	84	0.00
2	T	Dichlorodifluoromethane	0.426	0.392	8.0	83	0.00
3	P	Chloromethane	0.607	0.584	3.8	81	0.00
4	C	Vinyl Chloride	0.745	0.747	-0.3#	86	0.00
5	T	Bromomethane	0.642	0.591	7.9	83	0.00
6	T	Chloroethane	0.508	0.526	-3.5	89	0.00
7	T	Trichlorofluoromethane	0.983	0.980	0.3	85	0.00
8	T	Diethyl Ether	0.256	0.260	-1.6	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.518	2.8	89	0.00
10	T	Methyl Iodide	0.617	0.669	-8.4	89	0.00
11	T	Tert butyl alcohol	0.025	0.027	-8.0	88	-0.02
12	CM	1,1-Dichloroethene	0.497	0.510	-2.6#	91	0.00
13	T	Acrolein	0.046	0.041	10.9	81	0.00
14	T	Allyl chloride	0.579	0.595	-2.8	90	0.00
15	T	Acrylonitrile	0.094	0.100	-6.4	90	0.00
16	T	Acetone	0.070	0.067	4.3	89	-0.01
17	T	Carbon Disulfide	1.585	1.596	-0.7	89	0.00
18	T	Methyl Acetate	0.216	0.325	-50.5#	122	0.00
19	T	Methyl tert-butyl Ether	1.113	1.208	-8.5	89	0.00
20	T	Methylene Chloride	0.584	0.579	0.9	91	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.593	-6.5	93	0.00
22	T	Diisopropyl ether	1.288	1.411	-9.5	92	0.00
23	T	Vinyl Acetate	0.694	0.687	1.0	80	0.00
24	P	1,1-Dichloroethane	0.893	0.947	-6.0	93	0.00
25	T	2-Butanone	0.105	0.112	-6.7	89	0.00
26	T	2,2-Dichloropropane	0.782	0.736	5.9	83	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.676	-8.7	93	0.00
28	T	Bromochloromethane	0.347	0.370	-6.6	90	0.00
29	T	Tetrahydrofuran	0.068	0.075	-10.3	86	0.00
30	C	Chloroform	0.990	1.081	-9.2#	95	0.00
31	T	Cyclohexane	0.763	0.730	4.3	86	0.00
32	T	1,1,1-Trichloroethane	0.896	0.930	-3.8	91	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.480	-3.9	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.330	0.352	-6.7	89	0.00
36	T	1,1-Dichloropropene	0.444	0.459	-3.4	90	0.00
37	T	Ethyl Acetate	0.159	0.157	1.3	82	0.00
38	T	Carbon Tetrachloride	0.530	0.547	-3.2	90	0.00
39	T	Methylcyclohexane	0.558	0.556	0.4	85	0.00
40	TM	Benzene	1.387	1.496	-7.9	94	0.00
41	T	Methacrylonitrile	0.087	0.078	10.3	71	-0.01
42	TM	1,2-Dichloroethane	0.343	0.368	-7.3	92	0.00
43	T	Isopropyl Acetate	0.306	0.324	-5.9	87	0.00
44	TM	Trichloroethene	0.384	0.405	-5.5	93	0.00
45	C	1,2-Dichloropropane	0.307	0.333	-8.5#	93	0.00
46	T	Dibromomethane	0.192	0.212	-10.4	95	0.00
47	T	Bromodichloromethane	0.480	0.531	-10.6	95	0.00
48	T	Methyl methacrylate	0.141	0.154	-9.2	86	0.00

Sample Results: **VY022068.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	94	0.00
50	S	Toluene-d8	1.245	1.337	-7.4	88	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.181	-13.1	88	0.00
52	CM	Toluene	0.898	0.999	-11.2#	94	0.00
53	T	t-1,3-Dichloropropene	0.411	0.441	-7.3	89	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.518	-5.9	90	0.00
55	T	1,1,2-Trichloroethane	0.256	0.283	-10.5	93	0.00
56	T	Ethyl methacrylate	0.293	0.325	-10.9	86	0.00
57	T	1,3-Dichloropropane	0.411	0.450	-9.5	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.167	-16.8	87	0.00
59	T	2-Hexanone	0.106	0.120	-13.2	87	0.00
60	T	Dibromochloromethane	0.355	0.399	-12.4	95	0.00
61	T	1,2-Dibromoethane	0.242	0.271	-12.0	94	0.00
62	S	4-Bromofluorobenzene	0.419	0.447	-6.7	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.472	0.499	-5.7	95	0.00
65	PM	Chlorobenzene	1.118	1.173	-4.9	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.419	-6.3	94	0.00
67	C	Ethyl Benzene	1.829	1.971	-7.8#	93	0.00
68	T	m/p-Xylenes	0.728	0.794	-9.1	94	0.00
69	T	o-Xylene	0.671	0.742	-10.6	93	0.00
70	T	Styrene	1.126	1.274	-13.1	94	0.00
71	P	Bromoform	0.229	0.250	-9.2	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.341	3.484	-4.3	92	0.00
74	T	N-amyl acetate	0.574	0.569	0.9	85	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.571	-1.4	92	0.00
76	T	1,2,3-Trichloropropane	0.428	0.388	9.3	84	0.00
77	T	Bromobenzene	0.844	0.892	-5.7	95	0.00
78	T	n-propylbenzene	3.978	4.103	-3.1	91	0.00
79	T	2-Chlorotoluene	2.314	2.428	-4.9	94	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.917	-6.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.168	5.6	84	0.00
82	T	4-Chlorotoluene	2.405	2.490	-3.5	92	0.00
83	T	tert-Butylbenzene	2.468	2.639	-6.9	93	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.945	-7.0	93	0.00
85	T	sec-Butylbenzene	3.612	3.723	-3.1	91	0.00
86	T	p-Isopropyltoluene	3.067	3.215	-4.8	92	0.00
87	T	1,3-Dichlorobenzene	1.714	1.764	-2.9	94	0.00
88	T	1,4-Dichlorobenzene	1.698	1.739	-2.4	95	0.00
89	T	n-Butylbenzene	2.742	2.700	1.5	87	0.00
90	T	Hexachloroethane	0.674	0.687	-1.9	95	0.00
91	T	1,2-Dichlorobenzene	1.495	1.575	-5.4	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.091	-1.1	95	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.888	-4.8	95	0.00
94	T	Hexachlorobutadiene	0.521	0.532	-2.1	98	0.00
95	T	Naphthalene	1.408	1.591	-13.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.813	-11.2	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022068.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	84	0.00
2	T	Dichlorodifluoromethane	50.000	45.968	8.1	83	0.00
3	P	Chloromethane	50.000	48.129	3.7	81	0.00
4	C	Vinyl Chloride	50.000	50.132	-0.3#	86	0.00
5	T	Bromomethane	50.000	46.000	8.0	83	0.00
6	T	Chloroethane	50.000	51.778	-3.6	89	0.00
7	T	Trichlorofluoromethane	50.000	49.838	0.3	85	0.00
8	T	Diethyl Ether	50.000	50.792	-1.6	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.556	2.9	89	0.00
10	T	Methyl Iodide	50.000	54.192	-8.4	89	0.00
11	T	Tert butyl alcohol	250.000	269.330	-7.7	88	-0.02
12	CM	1,1-Dichloroethene	50.000	51.332	-2.7#	91	0.00
13	T	Acrolein	250.000	226.169	9.5	81	0.00
14	T	Allyl chloride	50.000	51.426	-2.9	90	0.00
15	T	Acrylonitrile	250.000	267.708	-7.1	90	0.00
16	T	Acetone	250.000	280.286	-12.1	89	-0.01
17	T	Carbon Disulfide	50.000	50.348	-0.7	89	0.00
18	T	Methyl Acetate	50.000	75.357	-50.7#	122	0.00
19	T	Methyl tert-butyl Ether	50.000	54.295	-8.6	89	0.00
20	T	Methylene Chloride	50.000	49.589	0.8	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.273	-6.5	93	0.00
22	T	Diisopropyl ether	50.000	54.768	-9.5	92	0.00
23	T	Vinyl Acetate	250.000	247.385	1.0	80	0.00
24	P	1,1-Dichloroethane	50.000	53.026	-6.1	93	0.00
25	T	2-Butanone	250.000	265.784	-6.3	89	0.00
26	T	2,2-Dichloropropane	50.000	47.023	6.0	83	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.341	-8.7	93	0.00
28	T	Bromochloromethane	50.000	53.320	-6.6	90	0.00
29	T	Tetrahydrofuran	250.000	274.027	-9.6	86	0.00
30	C	Chloroform	50.000	54.594	-9.2#	95	0.00
31	T	Cyclohexane	50.000	47.840	4.3	86	0.00
32	T	1,1,1-Trichloroethane	50.000	51.916	-3.8	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.995	-4.0	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	53.246	-6.5	89	0.00
36	T	1,1-Dichloropropene	50.000	51.671	-3.3	90	0.00
37	T	Ethyl Acetate	50.000	49.331	1.3	82	0.00
38	T	Carbon Tetrachloride	50.000	51.548	-3.1	90	0.00
39	T	Methylcyclohexane	50.000	49.780	0.4	85	0.00
40	TM	Benzene	50.000	53.938	-7.9	94	0.00
41	T	Methacrylonitrile	50.000	44.758	10.5	71	-0.01
42	TM	1,2-Dichloroethane	50.000	53.601	-7.2	92	0.00
43	T	Isopropyl Acetate	50.000	52.869	-5.7	87	0.00
44	TM	Trichloroethene	50.000	52.758	-5.5	93	0.00
45	C	1,2-Dichloropropane	50.000	54.340	-8.7#	93	0.00
46	T	Dibromomethane	50.000	55.126	-10.3	95	0.00
47	T	Bromodichloromethane	50.000	55.392	-10.8	95	0.00
48	T	Methyl methacrylate	50.000	54.252	-8.5	86	0.00

Sample Results: **VY022068.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	1115.262	-11.5	94	0.00
50	S	Toluene-d8	50.000	53.676	-7.4	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	281.640	-12.7	88	0.00
52	CM	Toluene	50.000	55.661	-11.3#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	53.573	-7.1	89	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.967	-5.9	90	0.00
55	T	1,1,2-Trichloroethane	50.000	55.247	-10.5	93	0.00
56	T	Ethyl methacrylate	50.000	55.318	-10.6	86	0.00
57	T	1,3-Dichloropropane	50.000	54.690	-9.4	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	291.553	-16.6	87	0.00
59	T	2-Hexanone	250.000	282.992	-13.2	87	0.00
60	T	Dibromochloromethane	50.000	56.193	-12.4	95	0.00
61	T	1,2-Dibromoethane	50.000	55.927	-11.9	94	0.00
62	S	4-Bromofluorobenzene	50.000	53.268	-6.5	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	52.857	-5.7	95	0.00
65	PM	Chlorobenzene	50.000	52.461	-4.9	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.227	-6.5	94	0.00
67	C	Ethyl Benzene	50.000	53.889	-7.8#	93	0.00
68	T	m/p-Xylenes	100.000	109.058	-9.1	94	0.00
69	T	o-Xylene	50.000	55.305	-10.6	93	0.00
70	T	Styrene	50.000	56.544	-13.1	94	0.00
71	P	Bromoform	50.000	54.537	-9.1	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	52.147	-4.3	92	0.00
74	T	N-amyl acetate	50.000	49.573	0.9	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.669	-1.3	92	0.00
76	T	1,2,3-Trichloropropane	50.000	45.273	9.5	84	0.00
77	T	Bromobenzene	50.000	52.825	-5.7	95	0.00
78	T	n-propylbenzene	50.000	51.568	-3.1	91	0.00
79	T	2-Chlorotoluene	50.000	52.469	-4.9	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.985	-6.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.174	5.7	84	0.00
82	T	4-Chlorotoluene	50.000	51.763	-3.5	92	0.00
83	T	tert-Butylbenzene	50.000	53.448	-6.9	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.490	-7.0	93	0.00
85	T	sec-Butylbenzene	50.000	51.537	-3.1	91	0.00
86	T	p-Isopropyltoluene	50.000	52.415	-4.8	92	0.00
87	T	1,3-Dichlorobenzene	50.000	51.454	-2.9	94	0.00
88	T	1,4-Dichlorobenzene	50.000	51.205	-2.4	95	0.00
89	T	n-Butylbenzene	50.000	49.245	1.5	87	0.00
90	T	Hexachloroethane	50.000	50.959	-1.9	95	0.00
91	T	1,2-Dichlorobenzene	50.000	52.679	-5.4	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.577	-1.2	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.378	-4.8	95	0.00
94	T	Hexachlorobutadiene	50.000	51.008	-2.0	98	0.00
95	T	Naphthalene	50.000	56.524	-13.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	55.603	-11.2	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022070.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/30/2025 09:20

Lab File ID: VY022070.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.361		-15.26	20
Chloromethane	0.607	0.597	0.1	-1.65	20
Vinyl Chloride	0.745	0.723		-2.95	20
Bromomethane	0.642	0.627		-2.34	20
Chloroethane	0.508	0.502		-1.18	20
Tetrahydrofuran	0.068	0.069		1.47	20
Trichlorofluoromethane	0.983	0.946		-3.76	20
1,1,2-Trichlorotrifluoroethane	0.533	0.496		-6.94	20
1,1-Dichloroethene	0.497	0.459		-7.65	20
Acrylonitrile	0.094	0.091		-3.19	20
Acetone	0.070	0.061		-12.86	20
Carbon Disulfide	1.585	1.443		-8.96	20
Methyl tert-butyl Ether	1.113	1.095		-1.62	20
Methylene Chloride	0.584	0.519		-11.13	20
trans-1,2-Dichloroethene	0.557	0.526		-5.57	20
1,1-Dichloroethane	0.893	0.845	0.1	-5.38	20
2-Butanone	0.105	0.102		-2.86	20
Carbon Tetrachloride	0.530	0.543		2.45	20
2,2-Dichloropropane	0.782	0.754		-3.58	20
cis-1,2-Dichloroethene	0.622	0.600		-3.54	20
Chloroform	0.990	0.980		-1.01	20
1,1,1-Trichloroethane	0.896	0.866		-3.35	20
1,1-Dichloropropene	0.444	0.448		0.9	20
Benzene	1.387	1.433		3.32	20
1,2-Dichloroethane	0.343	0.359		4.66	20
Trichloroethene	0.384	0.385		0.26	20
1,2-Dichloropropane	0.307	0.321		4.56	20
Dibromomethane	0.192	0.206		7.29	20
Bromodichloromethane	0.480	0.508		5.83	20
4-Methyl-2-Pentanone	0.160	0.181		13.13	20
Toluene	0.898	0.944		5.12	20
t-1,3-Dichloropropene	0.411	0.436		6.08	20
cis-1,3-Dichloropropene	0.489	0.515		5.32	20
1,1,2-Trichloroethane	0.256	0.278		8.59	20
1,3-Dichloropropane	0.411	0.437		6.33	20
2-Hexanone	0.106	0.121		14.15	20
Dibromochloromethane	0.355	0.394		10.99	20
1,2-Dibromoethane	0.242	0.266		9.92	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022070.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/30/2025 09:20

Lab File ID: VY022070.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.424		-10.17	20
Chlorobenzene	1.118	1.125	0.3	0.63	20
1,1,1,2-Tetrachloroethane	0.394	0.408		3.55	20
Ethyl Benzene	1.829	1.863		1.86	20
m/p-Xylenes	0.728	0.766		5.22	20
o-Xylene	0.671	0.703		4.77	20
Styrene	1.126	1.213		7.73	20
Bromoform	0.229	0.245	0.1	6.99	20
Isopropylbenzene	3.341	3.262		-2.37	20
1,1,2,2-Tetrachloroethane	0.563	0.583	0.3	3.55	20
1,2,3-Trichloropropane	0.428	0.420		-1.87	20
Bromobenzene	0.844	0.834		-1.18	20
n-propylbenzene	3.978	3.933		-1.13	20
2-Chlorotoluene	2.314	2.257		-2.46	20
1,3,5-Trimethylbenzene	2.752	2.778		0.94	20
4-Chlorotoluene	2.405	2.379		-1.08	20
tert-Butylbenzene	2.469	2.498		1.17	20
1,2,4-Trimethylbenzene	2.753	2.837		3.05	20
sec-Butylbenzene	3.612	3.582		-0.83	20
p-Isopropyltoluene	3.067	3.088		0.69	20
1,3-Dichlorobenzene	1.714	1.713		-0.06	20
1,4-Dichlorobenzene	1.698	1.666		-1.88	20
n-Butylbenzene	2.742	2.703		-1.42	20
1,2-Dichlorobenzene	1.495	1.499		0.27	20
1,2-Dibromo-3-Chloropropane	0.090	0.085		-5.56	20
1,2,4-Trichlorobenzene	0.847	0.852		0.59	20
Hexachlorobutadiene	0.521	0.512		-1.73	20
1,2,3-Trichlorobenzene	0.731	0.750		2.6	20
1,2-Dichloroethane-d4	0.462	0.441		-4.55	20
Dibromofluoromethane	0.330	0.337		2.12	20
Toluene-d8	1.245	1.278		2.65	20
4-Bromofluorobenzene	0.419	0.436		4.06	20
trans-1,4-Dichloro-2-butene	0.178	0.177		-0.56	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\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	299393	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	438020	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	420486	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233640	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	132181	47.797 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.600%		
35) Dibromofluoromethane	7.634	113	147788	51.071 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.140%		
50) Toluene-d8	10.103	98	559683	51.302 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.600%		
62) 4-Bromofluorobenzene	12.408	95	190816	51.957 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.920%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	108081	42.366 ug/l	99
3) Chloromethane	2.068	50	178783	49.217 ug/l	100
4) Vinyl Chloride	2.202	62	216428	48.485 ug/l	100
5) Bromomethane	2.592	94	187814	48.836 ug/l	98
6) Chloroethane	2.733	64	150261	49.426 ug/l	97
7) Trichlorofluoromethane	3.056	101	283309	48.131 ug/l	96
8) Diethyl Ether	3.452	74	69416	45.309 ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	148356	46.461 ug/l	100
10) Methyl Iodide	4.001	142	176157	47.649 ug/l	98
11) Tert butyl alcohol	4.885	59	35315	232.610 ug/l	97
12) 1,1-Dichloroethene	3.787	96	137386	46.160 ug/l	98
13) Acrolein	3.659	56	54699	200.739 ug/l	98
14) Allyl chloride	4.385	41	156917	45.279 ug/l	100
15) Acrylonitrile	5.061	53	135947	242.384 ug/l	99
16) Acetone	3.885	43	90641	250.445 ug/l	92
17) Carbon Disulfide	4.104	76	432123	45.535 ug/l	99
18) Methyl Acetate	4.385	43	76934	59.556 ug/l	97
19) Methyl tert-butyl Ether	5.122	73	327980	49.235 ug/l	97
20) Methylene Chloride	4.610	84	155331	44.420 ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	157441	47.234 ug/l	97
22) Diisopropyl ether	6.019	45	377603	48.962 ug/l	98
23) Vinyl Acetate	5.964	43	1003286	241.385 ug/l	100
24) 1,1-Dichloroethane	5.909	63	252882	47.305 ug/l	98
25) 2-Butanone	6.896	43	153361	243.287 ug/l	98
26) 2,2-Dichloropropane	6.878	77	225811	48.194 ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	179708	48.217 ug/l	100
28) Bromochloromethane	7.244	49	102944	49.578 ug/l	96
29) Tetrahydrofuran	7.262	42	103696	253.279 ug/l	97
30) Chloroform	7.421	83	293401	49.480 ug/l	98
31) Cyclohexane	7.701	56	208408	45.589 ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	259359	48.346 ug/l	99
36) 1,1-Dichloropropene	7.835	75	196371	50.518 ug/l	99
37) Ethyl Acetate	6.988	43	71080	50.914 ug/l	96
38) Carbon Tetrachloride	7.817	117	237962	51.231 ug/l	95
39) Methylcyclohexane	9.109	83	243490	49.776 ug/l	97
40) Benzene	8.079	78	627597	51.650 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	40144	52.602	ug/l	#	94
42) 1,2-Dichloroethane	8.158	62	157308	52.289	ug/l		100
43) Isopropyl Acetate	8.195	43	135943	50.705	ug/l		99
44) Trichloroethene	8.866	130	168626	50.102	ug/l		97
45) 1,2-Dichloropropane	9.140	63	140483	52.280	ug/l		98
46) Dibromomethane	9.231	93	90199	53.622	ug/l		99
47) Bromodichloromethane	9.420	83	222511	52.951	ug/l		100
48) Methyl methacrylate	9.219	41	67571	54.519	ug/l		97
49) 1,4-Dioxane	9.244	88	20304	1132.484	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	396361	282.021	ug/l		99
52) Toluene	10.170	92	413392	52.558	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	190828	52.943	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	225382	52.602	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	121699	54.162	ug/l		99
56) Ethyl methacrylate	10.438	69	140972	54.864	ug/l		99
57) 1,3-Dichloropropane	10.713	76	191332	53.116	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	357006	284.170	ug/l		99
59) 2-Hexanone	10.762	43	264777	285.628	ug/l		99
60) Dibromochloromethane	10.908	129	172741	55.529	ug/l		99
61) 1,2-Dibromoethane	11.012	107	116385	54.866	ug/l		99
64) Tetrachloroethene	10.646	164	178447	44.986	ug/l		98
65) Chlorobenzene	11.438	112	473007	50.303	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	171474	51.798	ug/l		99
67) Ethyl Benzene	11.518	91	783192	50.916	ug/l		100
68) m/p-Xylenes	11.627	106	644255	105.256	ug/l		98
69) o-Xylene	11.956	106	295659	52.408	ug/l		99
70) Styrene	11.969	104	510156	53.858	ug/l		100
71) Bromoform	12.133	173	103171	53.605	ug/l	#	99
73) Isopropylbenzene	12.255	105	762153	48.826	ug/l		99
74) N-amyl acetate	12.072	43	124788	46.530	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	136259	51.775	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	98186m	49.063	ug/l		
77) Bromobenzene	12.530	156	194904	49.414	ug/l		99
78) n-propylbenzene	12.597	91	918969	49.435	ug/l		99
79) 2-Chlorotoluene	12.682	91	527372	48.782	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	649159	50.473	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	41416	49.837	ug/l		99
82) 4-Chlorotoluene	12.780	91	555914	49.467	ug/l		99
83) tert-Butylbenzene	12.999	119	583678	50.602	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	662815	51.523	ug/l		100
85) sec-Butylbenzene	13.176	105	836912	49.583	ug/l		99
86) p-Isopropyltoluene	13.292	119	721392	50.332	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	400335	49.973	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	389223	49.057	ug/l		99
89) n-Butylbenzene	13.615	91	631593	49.300	ug/l		99
90) Hexachloroethane	13.883	117	153517	48.750	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	350321	50.137	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19842	47.389	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	199131	50.292	ug/l		99
94) Hexachlorobutadiene	15.023	225	119697	49.134	ug/l		99
95) Naphthalene	15.145	128	340679	51.796	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	175304	51.291	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

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

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

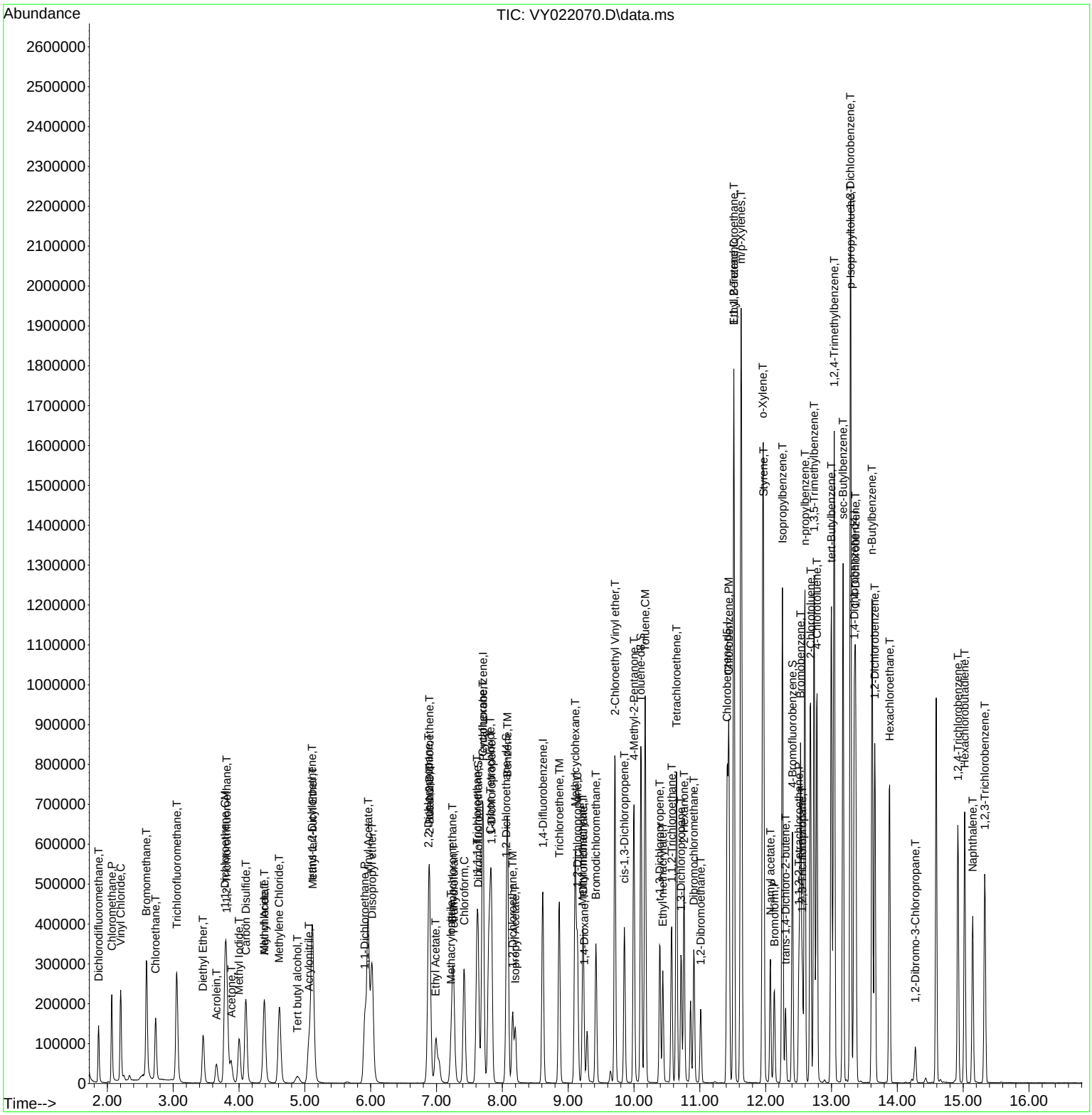
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

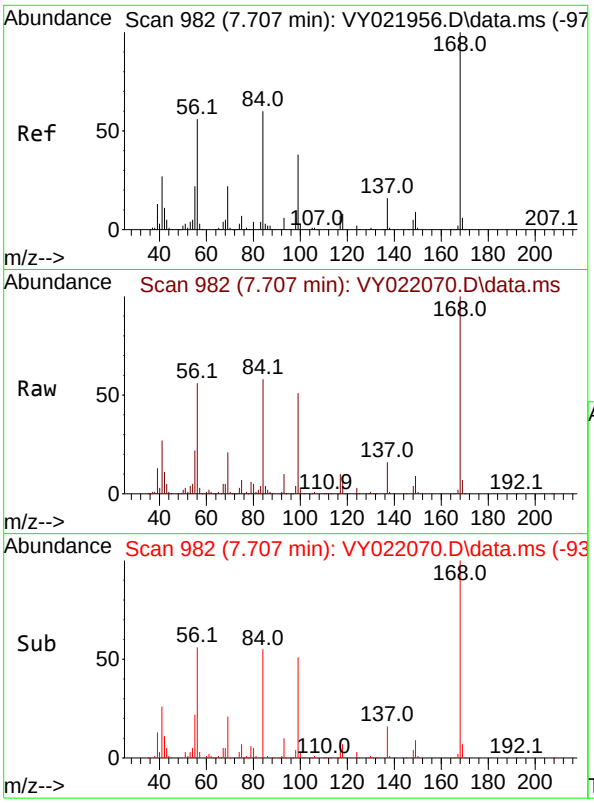
Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

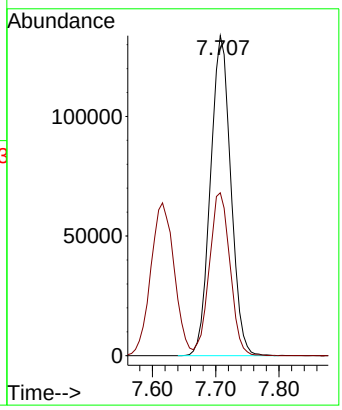
Tgt Ion:168 Resp: 29939

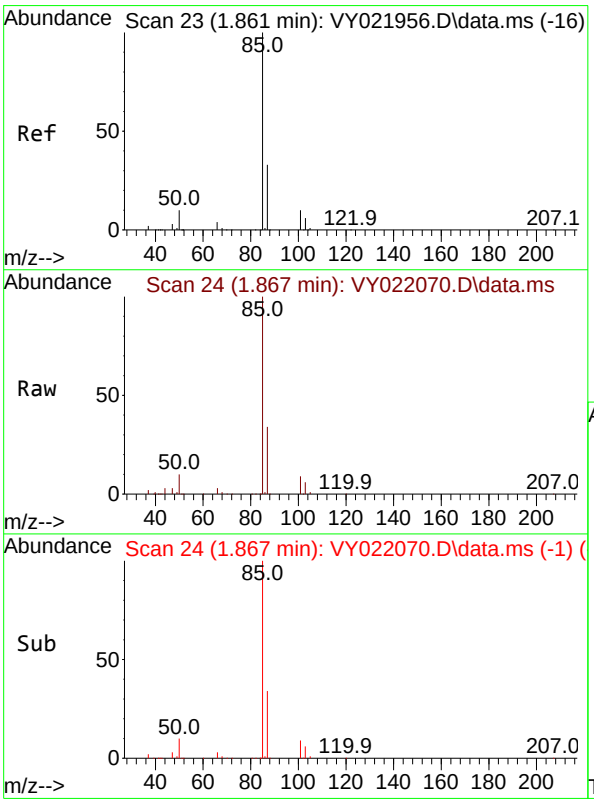
Ion	Ratio	Lower	Upper
168	100		
99	50.9	43.1	64.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

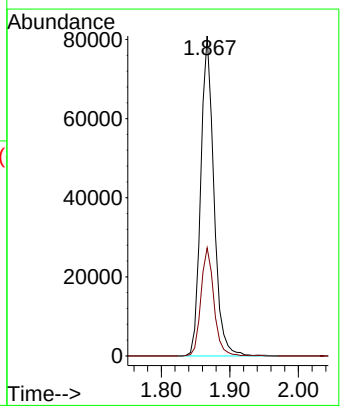


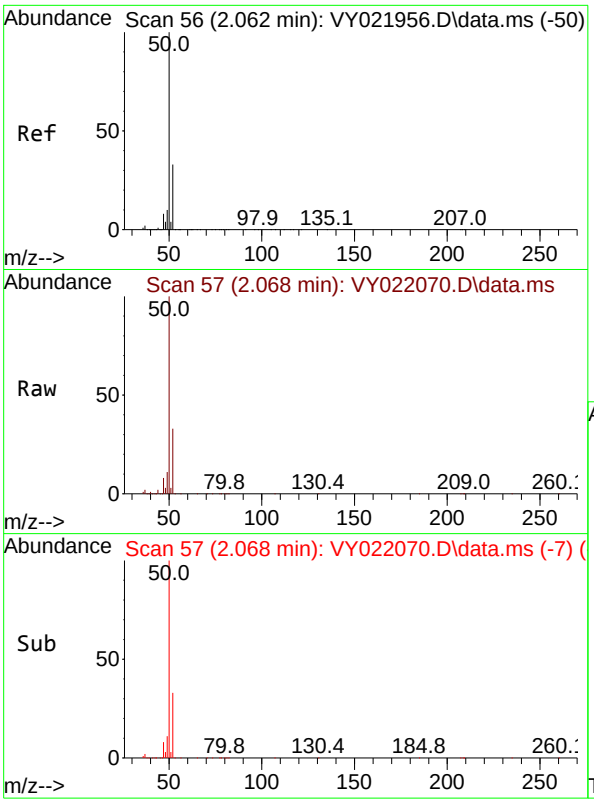


#2
Dichlorodifluoromethane
Concen: 42.366 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 85 Resp: 108081

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.6	49.7

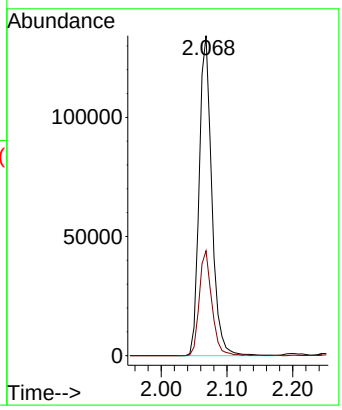




#3
Chloromethane
Concen: 49.217 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 50 Resp: 17878

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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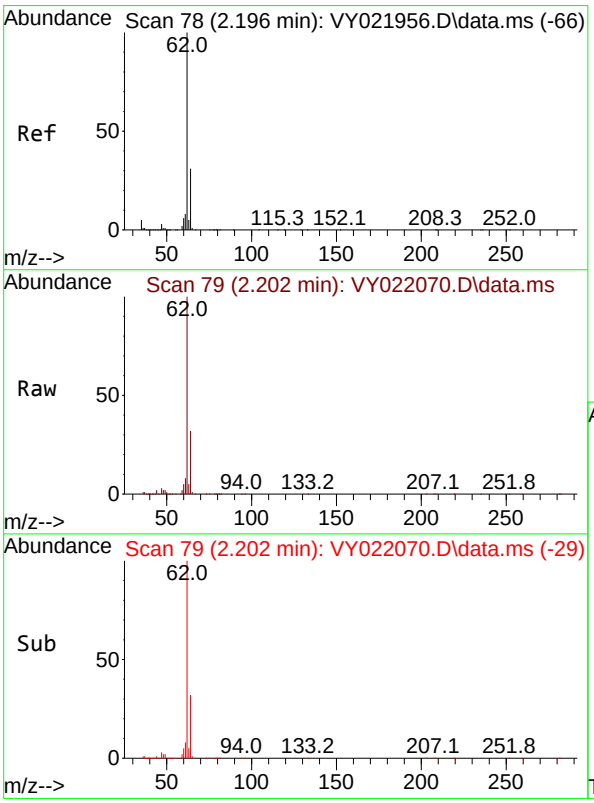
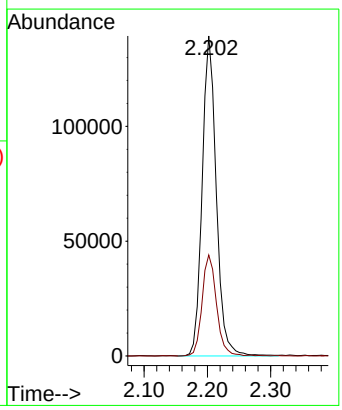
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

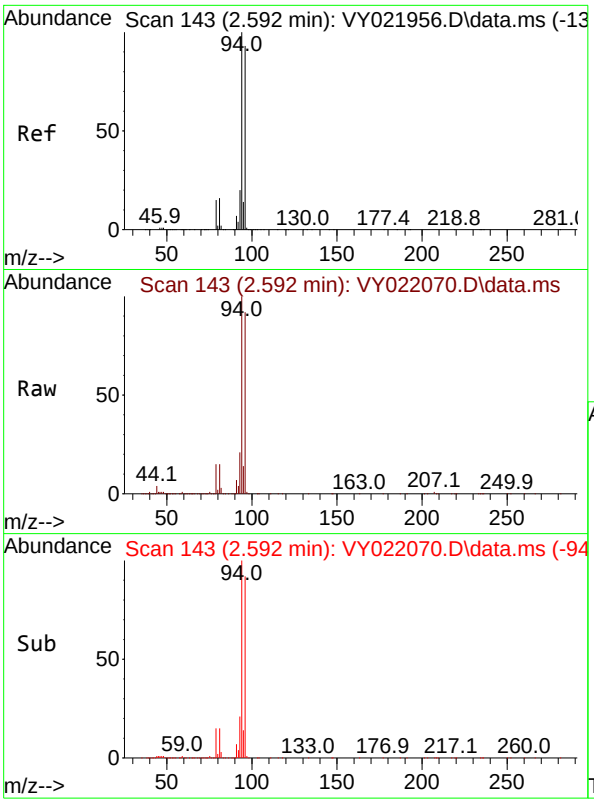


#4
Vinyl Chloride
Concen: 48.485 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 62 Resp: 216428

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.1	37.7





#5
Bromomethane
Concen: 48.836 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 94 Resp: 18781

Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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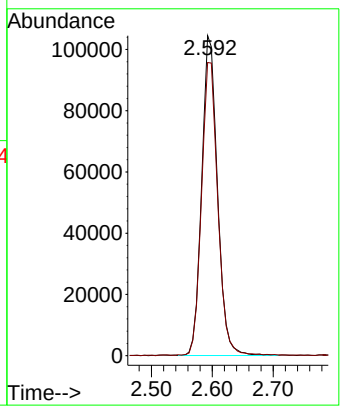
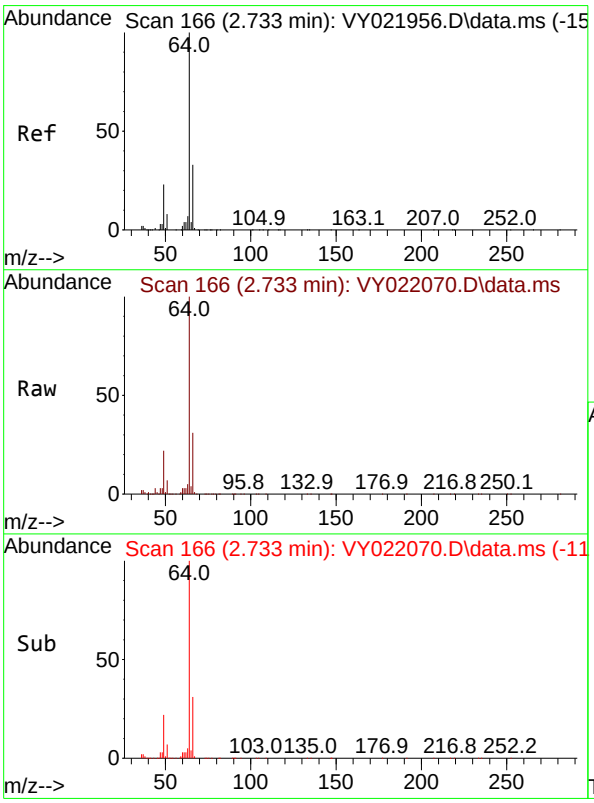
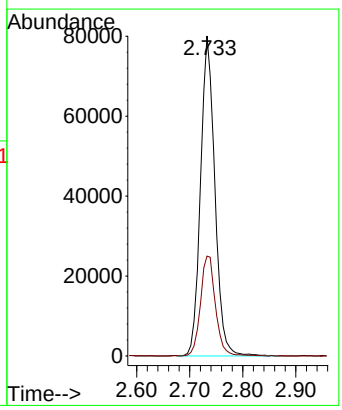


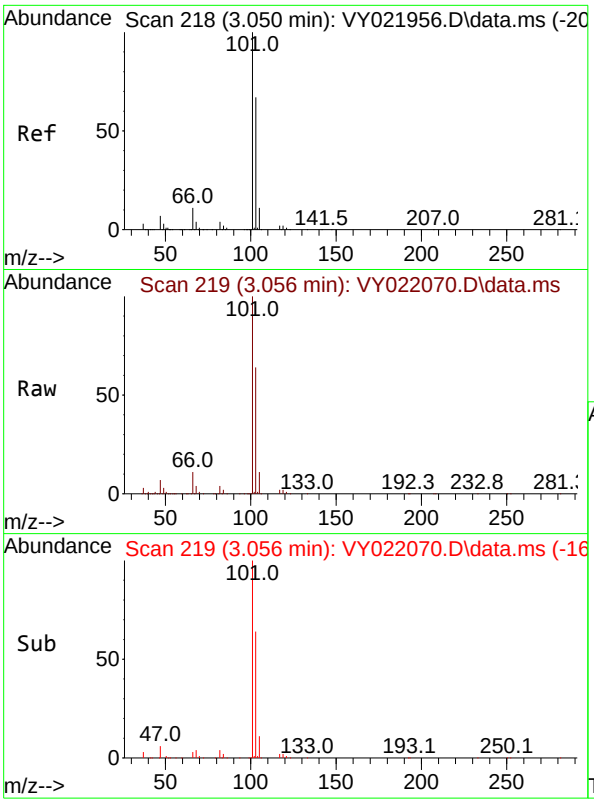


#6
Chloroethane
Concen: 49.426 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 64 Resp: 150261

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.2	39.4

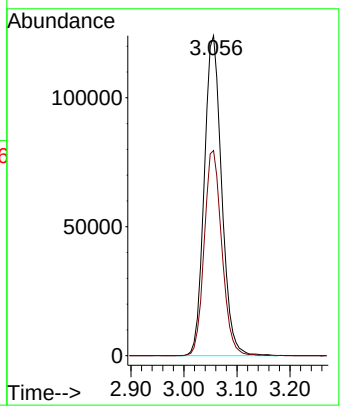




#7
Trichlorofluoromethane
Concen: 48.131 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:101 Resp: 283309

Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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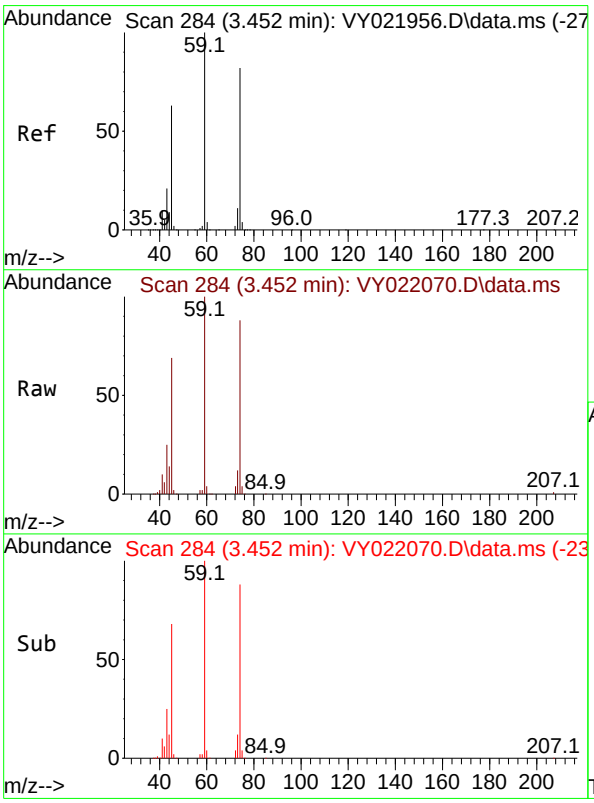
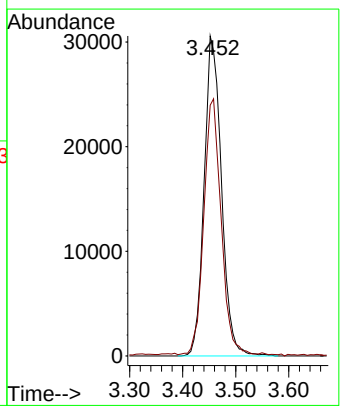
Supervised By :Mahesh Dadoda 05/05/2025

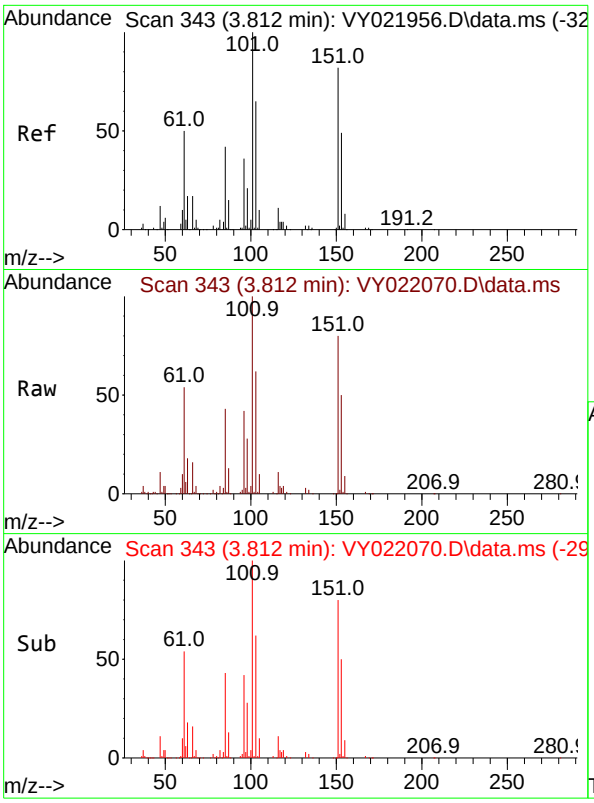


#8
Diethyl Ether
Concen: 45.309 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 74 Resp: 69416

Ion	Ratio	Lower	Upper
74	100		
45	79.9	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.461 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:101 Resp: 14835

Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.6	51.8
151	80.0	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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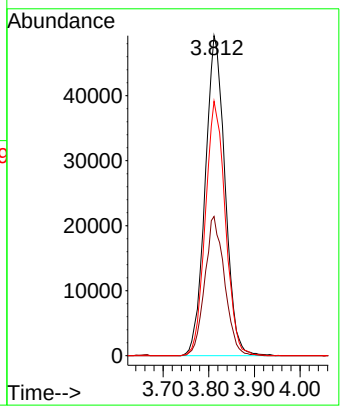
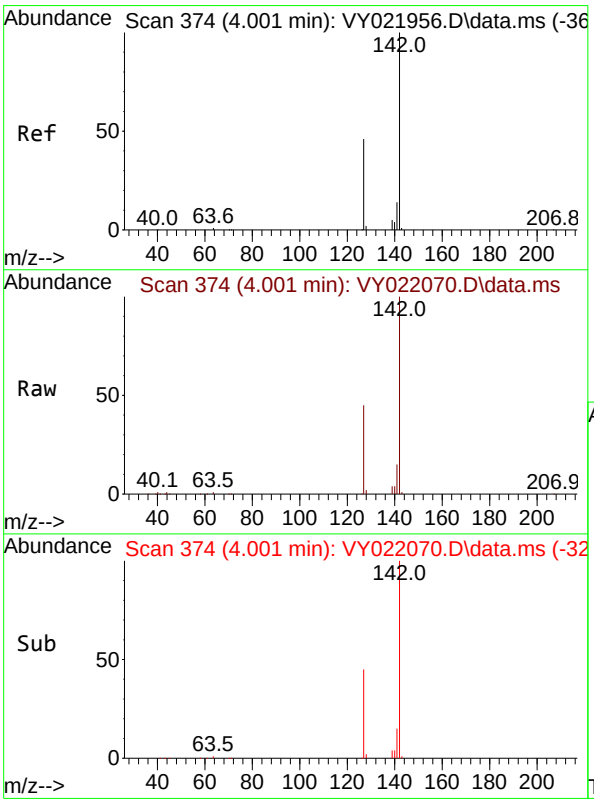
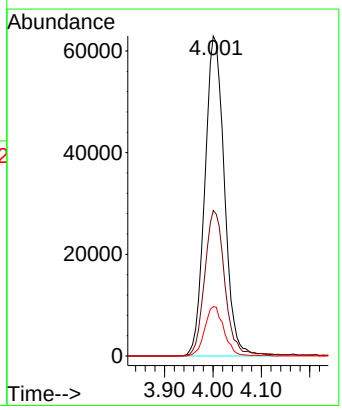


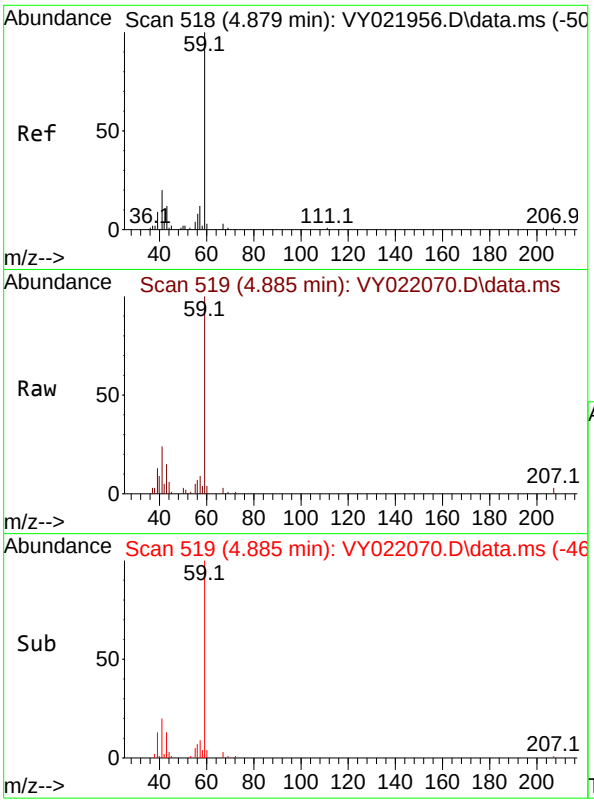


#10
Methyl Iodide
Concen: 47.649 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:142 Resp: 176157

Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.2	54.2
141	15.2	11.7	17.5

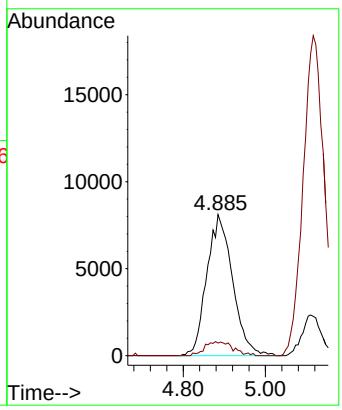




#11
Tert butyl alcohol
Concen: 232.610 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 59 Resp: 3531

Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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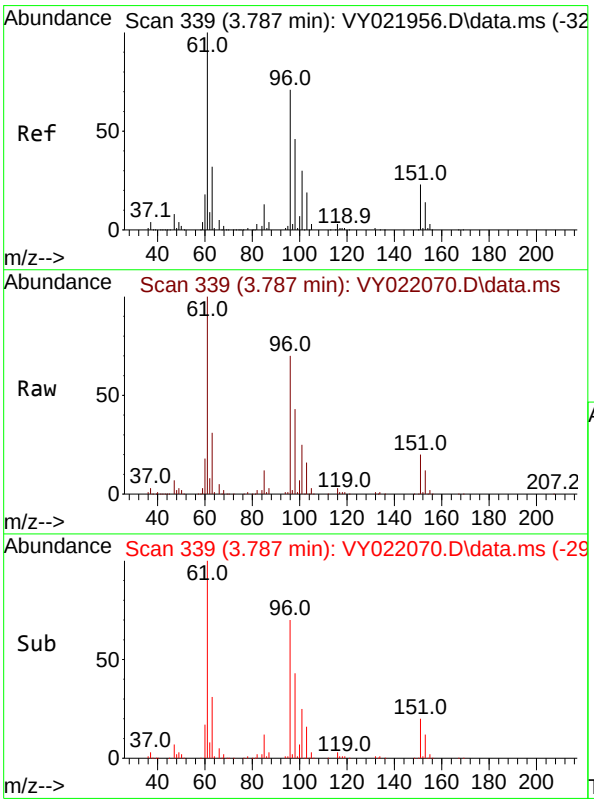
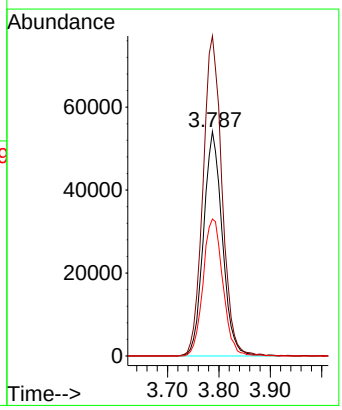
Supervised By :Mahesh Dadoda 05/05/2025

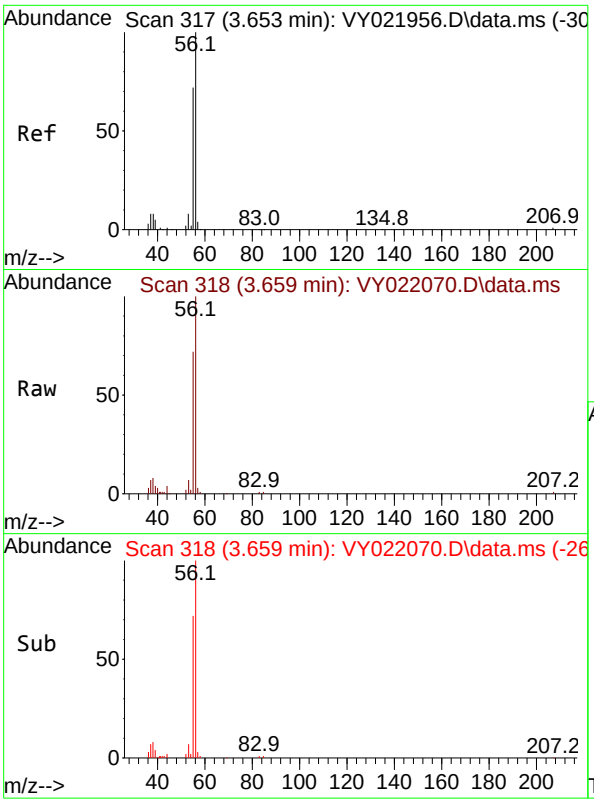


#12
1,1-Dichloroethene
Concen: 46.160 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 96 Resp: 137386

Ion	Ratio	Lower	Upper
96	100		
61	142.6	113.0	169.4
98	61.1	51.4	77.2

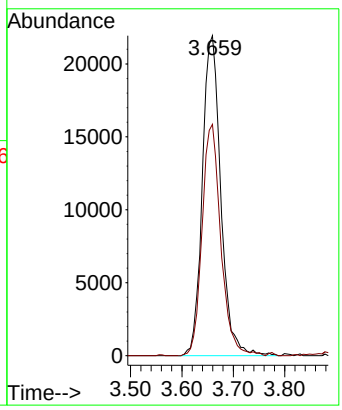




#13
Acrolein
Concen: 200.739 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 56 Resp: 5469

Ion	Ratio	Lower	Upper
56	100		
55	73.3	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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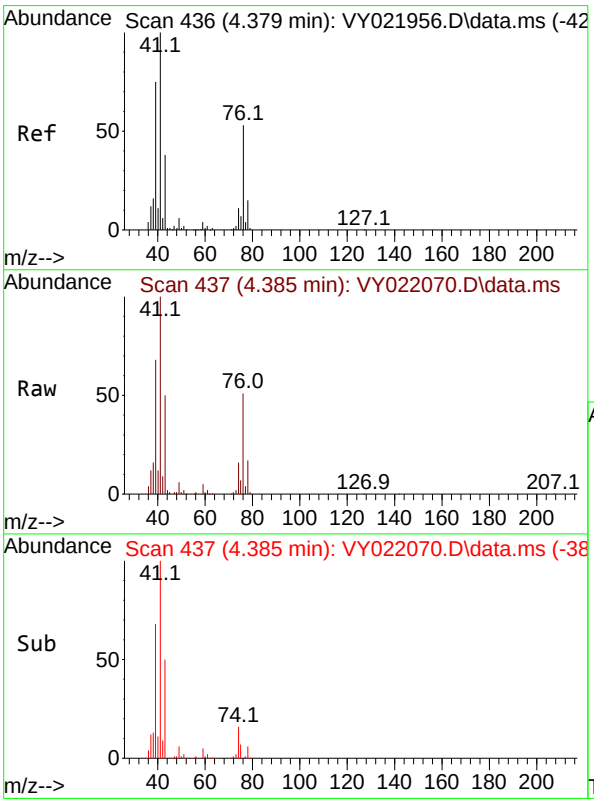
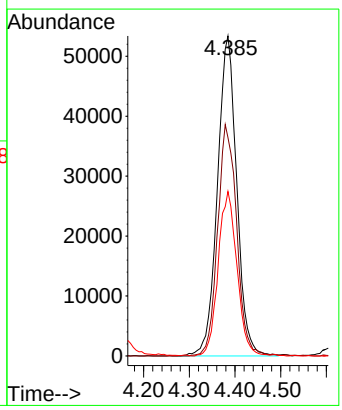
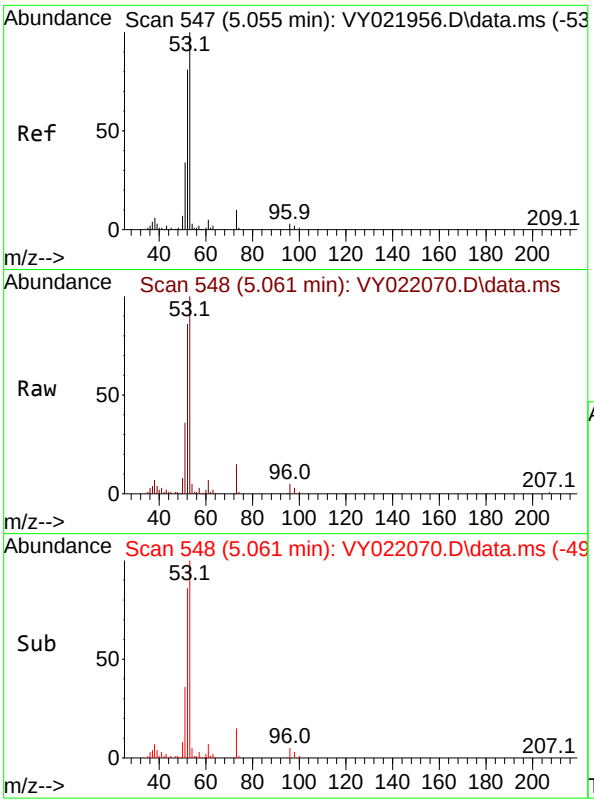


#14
Allyl chloride
Concen: 45.279 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 41 Resp: 156917

Ion	Ratio	Lower	Upper
41	100		
39	71.4	57.2	85.8
76	50.0	39.7	59.5





#15
Acrylonitrile
Concen: 242.384 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 53 Resp: 13594

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	37.0	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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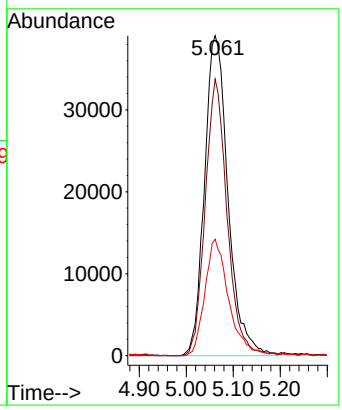
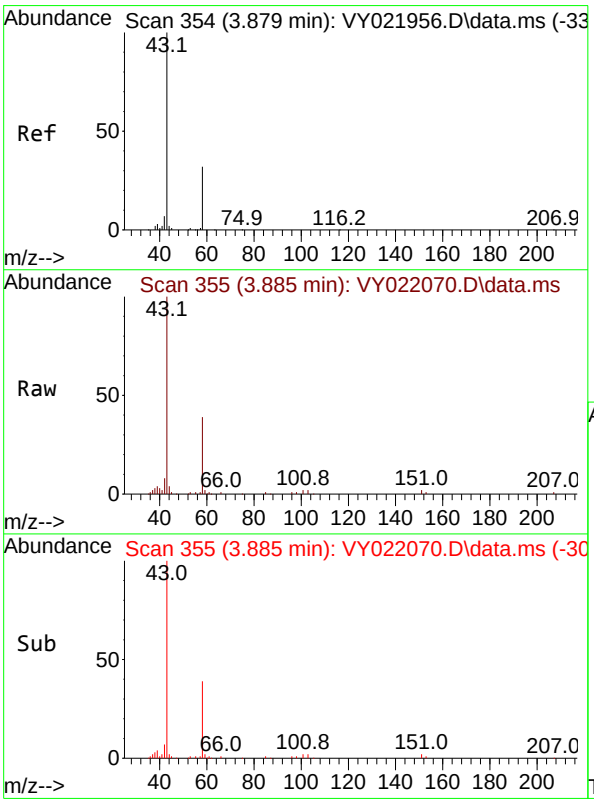
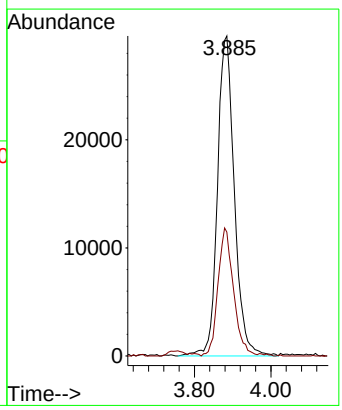


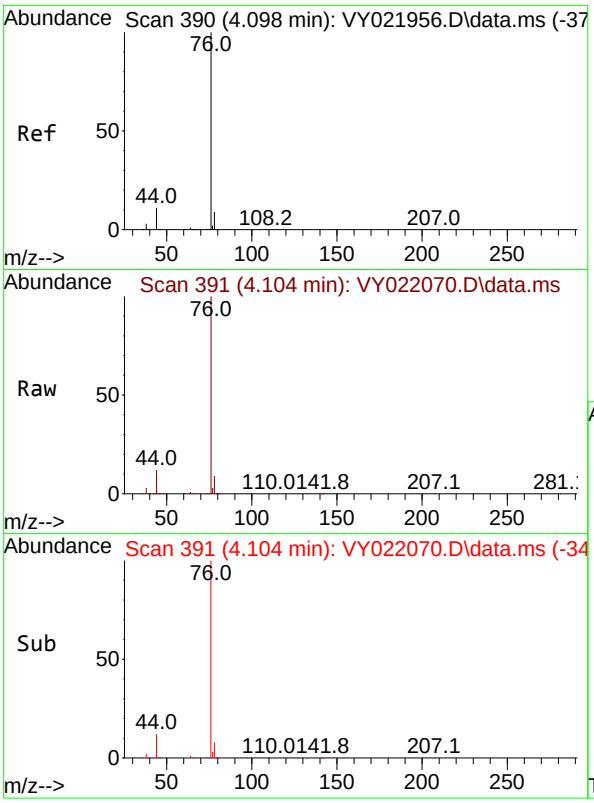


#16
Acetone
Concen: 250.445 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 90641

Ion	Ratio	Lower	Upper
43	100		
58	38.5	27.0	40.4





#17
Carbon Disulfide
Concen: 45.535 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 76 Resp: 43212

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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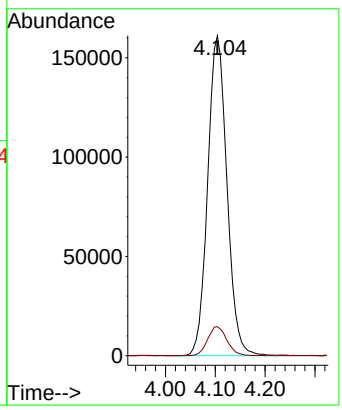
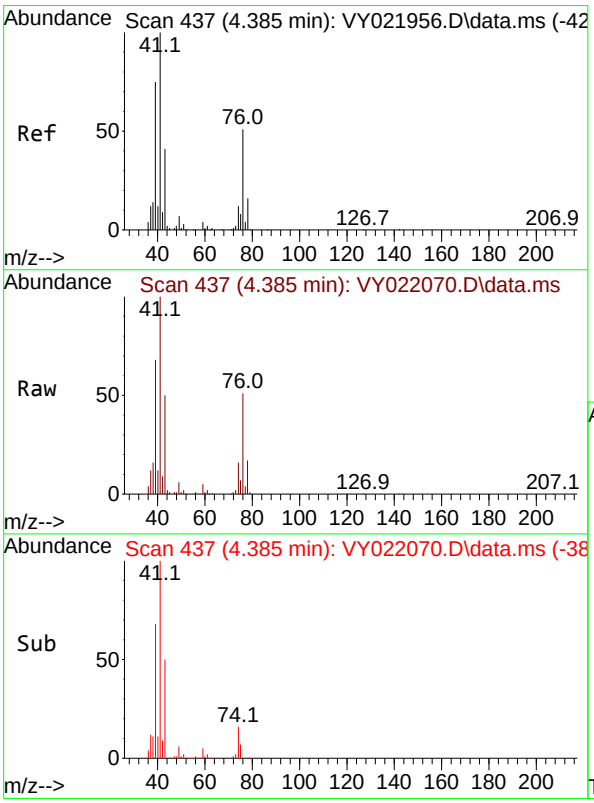
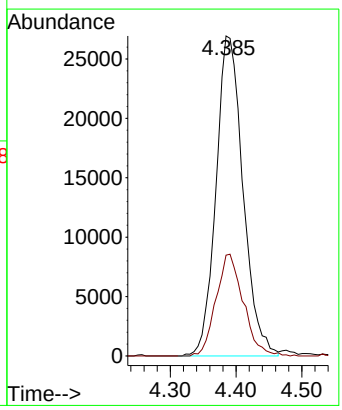


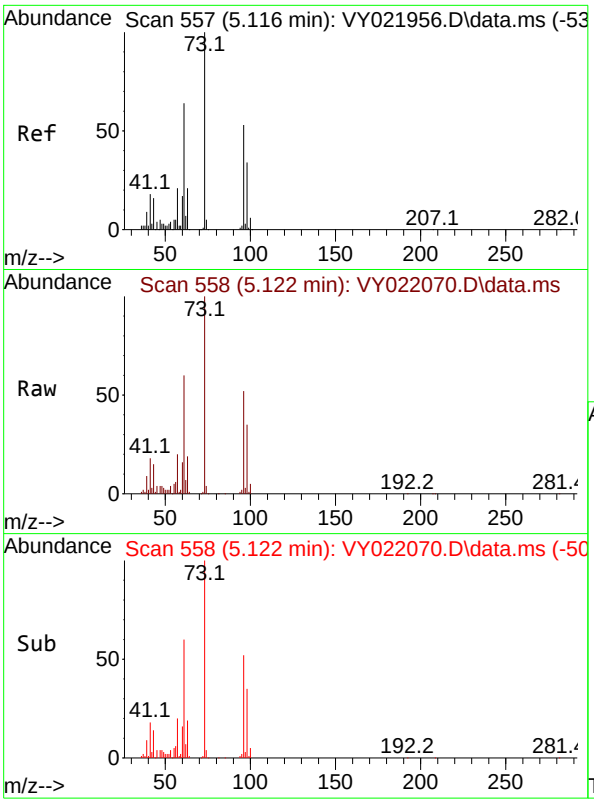


#18
Methyl Acetate
Concen: 59.556 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 76934

Ion	Ratio	Lower	Upper
43	100		
74	32.2	24.2	36.4

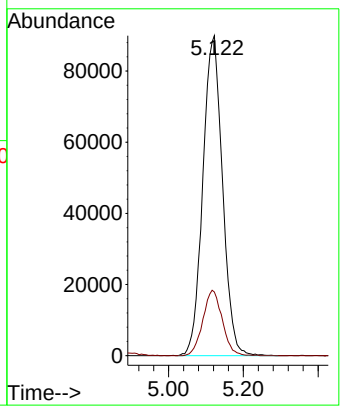




#19
Methyl tert-butyl Ether
Concen: 49.235 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 73 Resp: 32798

Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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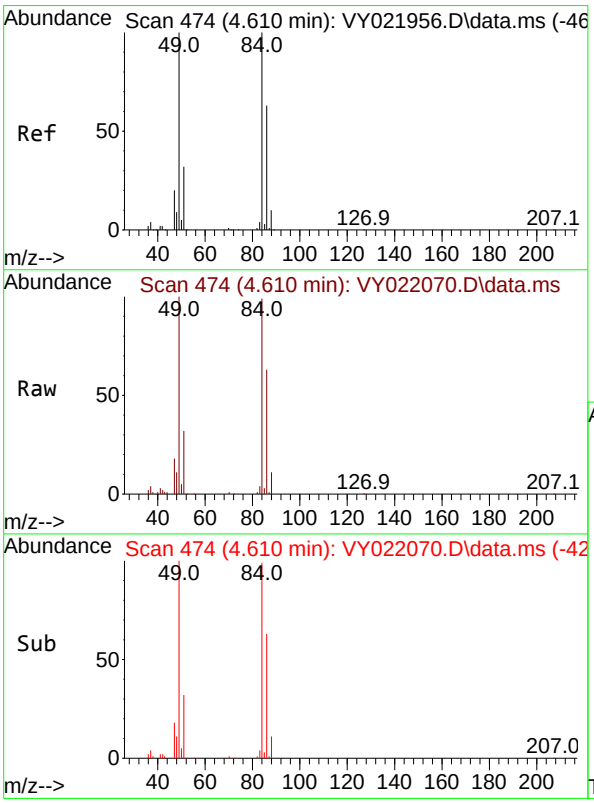
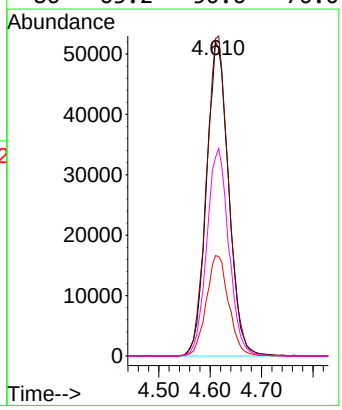
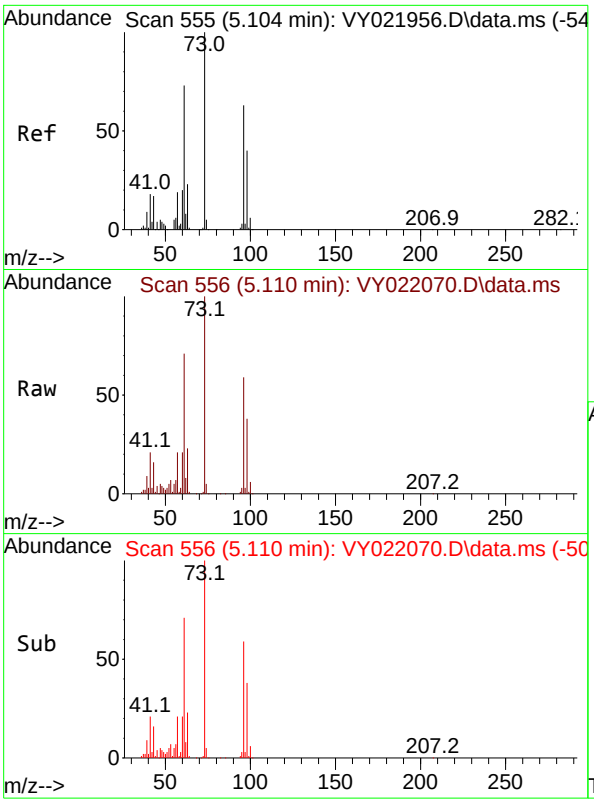


#20
Methylene Chloride
Concen: 44.420 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 84 Resp: 155331

Ion	Ratio	Lower	Upper
84	100		
49	100.9	79.9	119.9
51	32.0	25.4	38.0
86	63.2	50.6	76.0





#21
trans-1,2-Dichloroethene
Concen: 47.234 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 96 Resp: 15744

Ion	Ratio	Lower	Upper
96	100		
61	120.3	92.6	138.8
98	64.0	50.2	75.4

Instrument :
MSVOA_Y
ClientSampleId :
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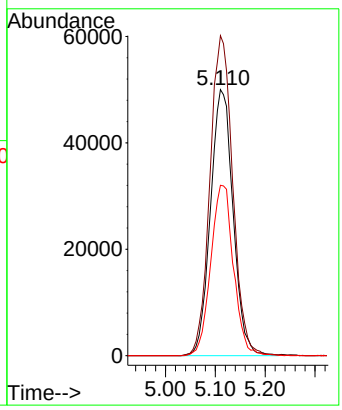
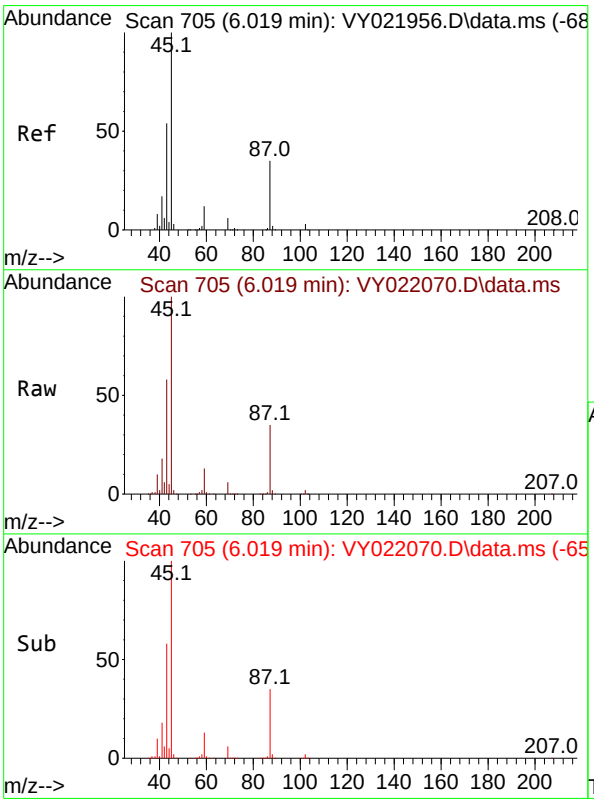
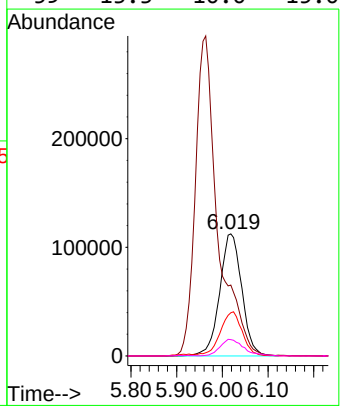


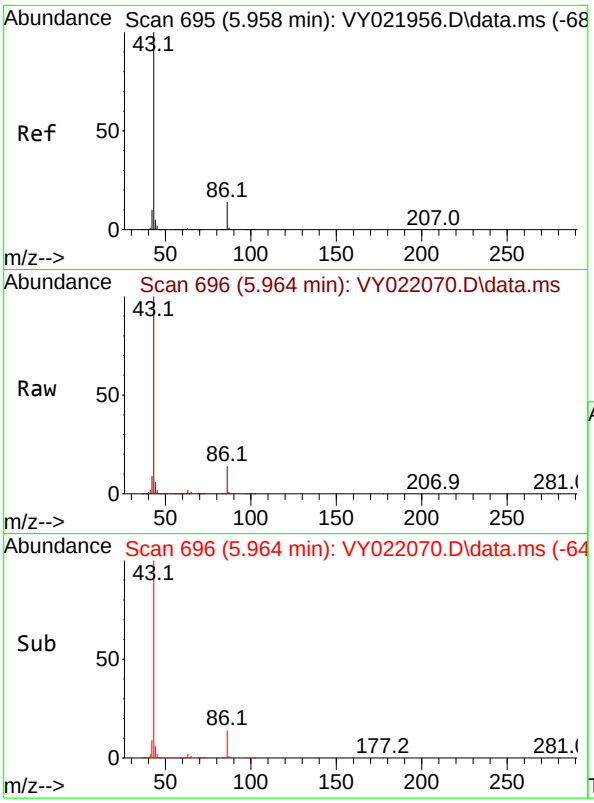


#22
Diisopropyl ether
Concen: 48.962 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 45 Resp: 377603

Ion	Ratio	Lower	Upper
45	100		
43	57.5	43.6	65.4
87	35.3	28.2	42.4
59	13.3	10.0	15.0

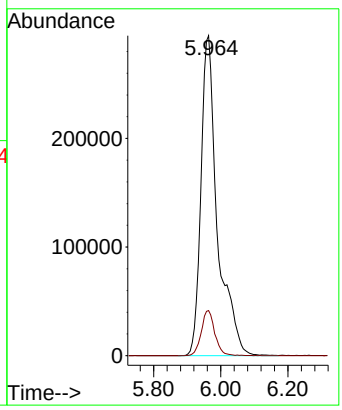




#23
Vinyl Acetate
Concen: 241.385 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 100328

Ion	Ratio	Lower	Upper
43	100		
86	14.1	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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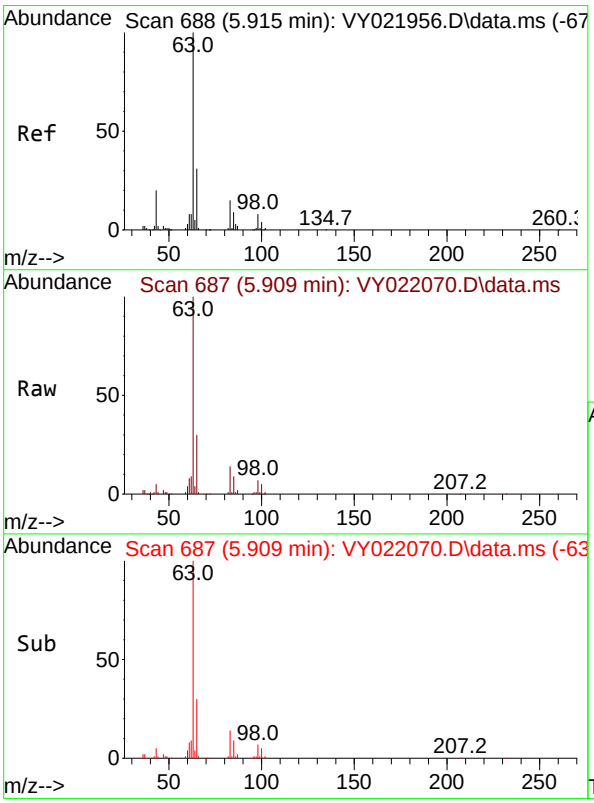
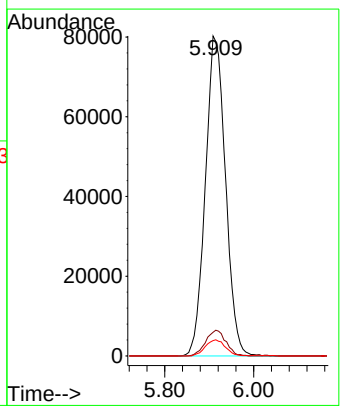
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

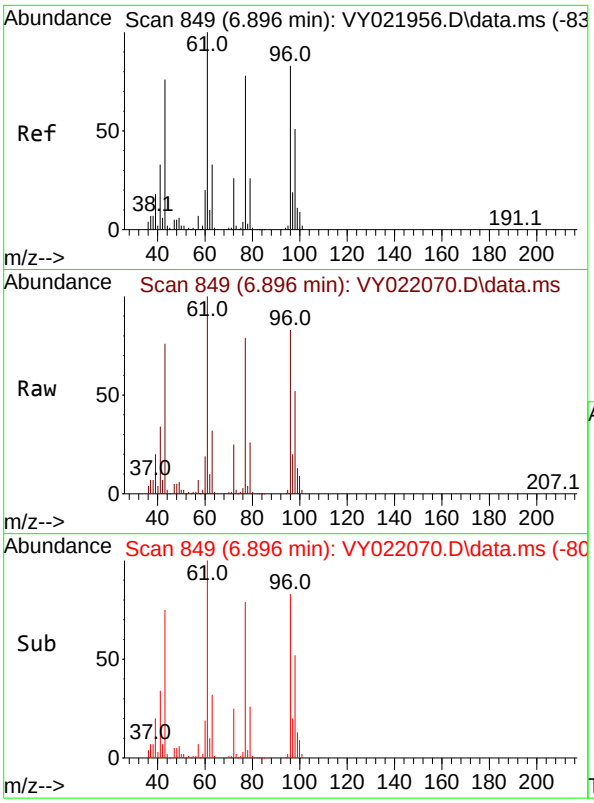


#24
1,1-Dichloroethane
Concen: 47.305 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 63 Resp: 252882

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	11.9
100	4.8	2.0	6.0





#25
2-Butanone
Concen: 243.287 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 15336

Ion	Ratio	Lower	Upper
43	100		
72	32.8	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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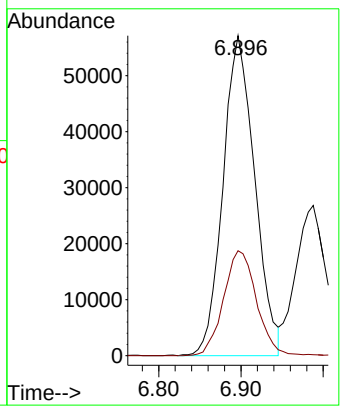
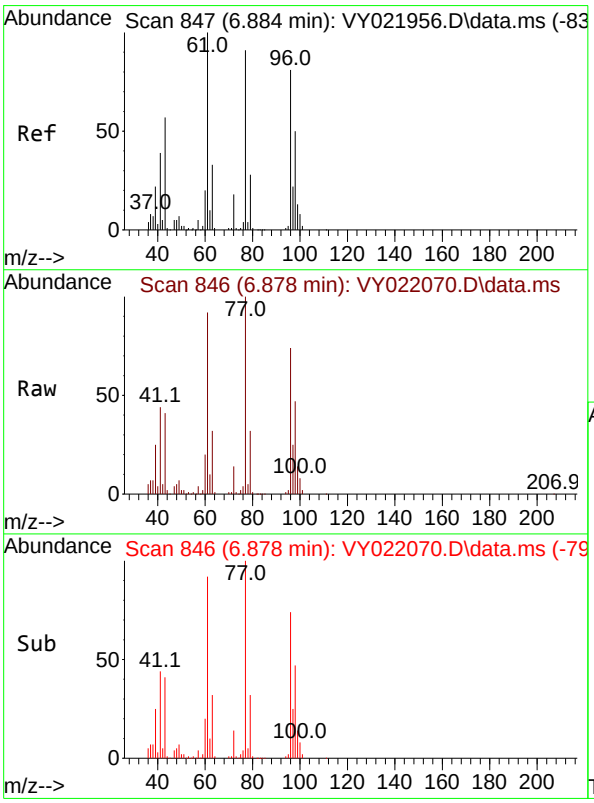
Supervised By :Mahesh Dadoda 05/05/2025

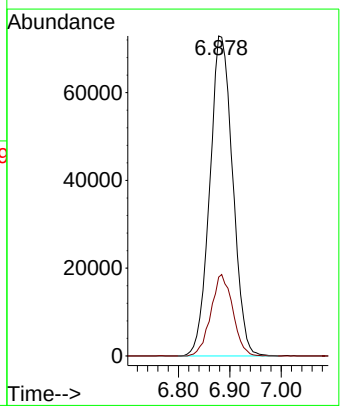


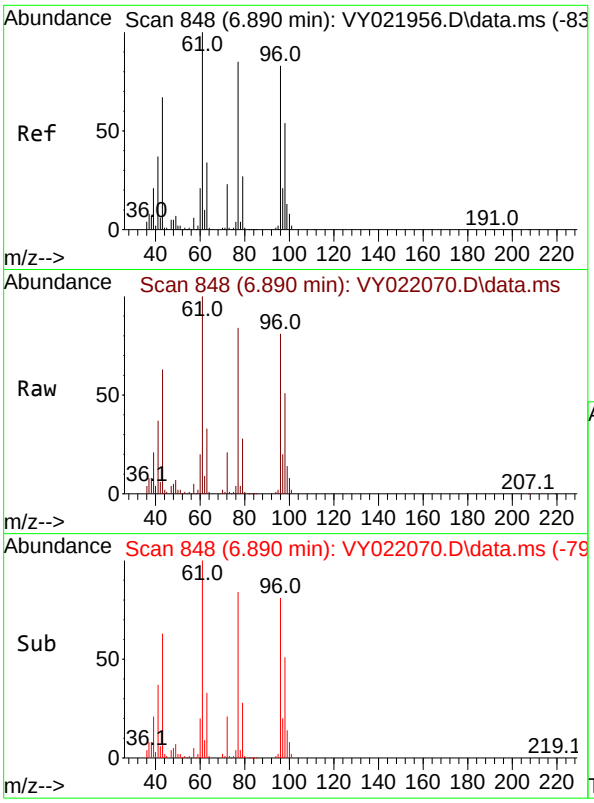


#26
2,2-Dichloropropane
Concen: 48.194 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 77 Resp: 225811

Ion	Ratio	Lower	Upper
77	100		
97	24.3	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 48.217 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 96 Resp: 17970

Ion	Ratio	Lower	Upper
96	100		
61	125.6	0.0	251.4
98	64.3	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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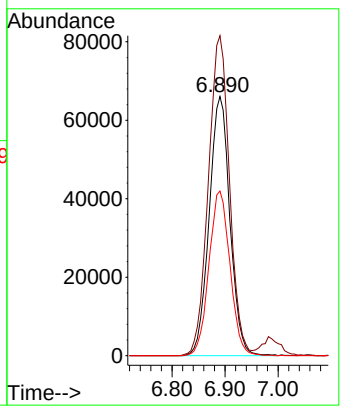
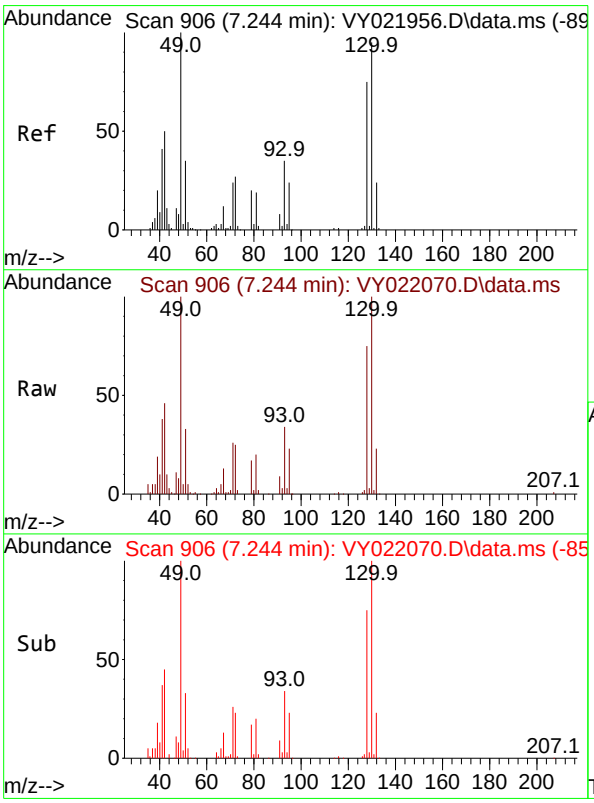
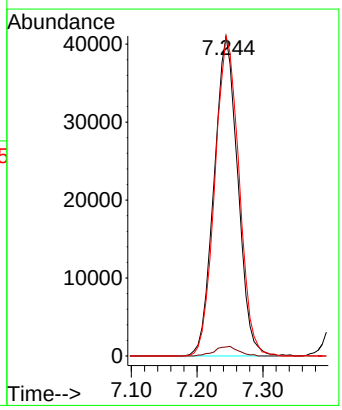


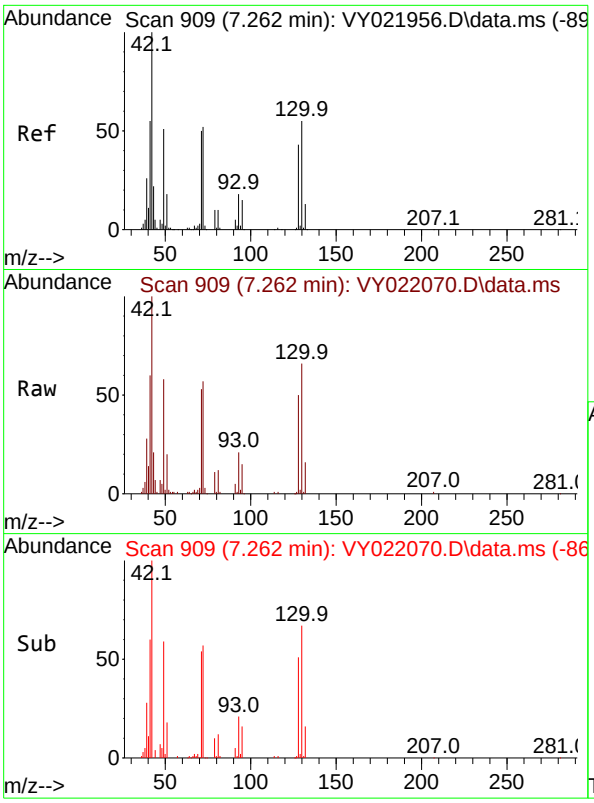


#28
Bromochloromethane
Concen: 49.578 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 49 Resp: 102944

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	101.8	78.2	117.4

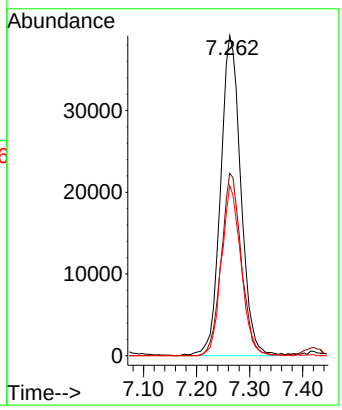




#29
Tetrahydrofuran
Concen: 253.279 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 42 Resp: 10369(

Ion	Ratio	Lower	Upper
42	100		
72	56.3	42.6	63.8
71	51.6	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
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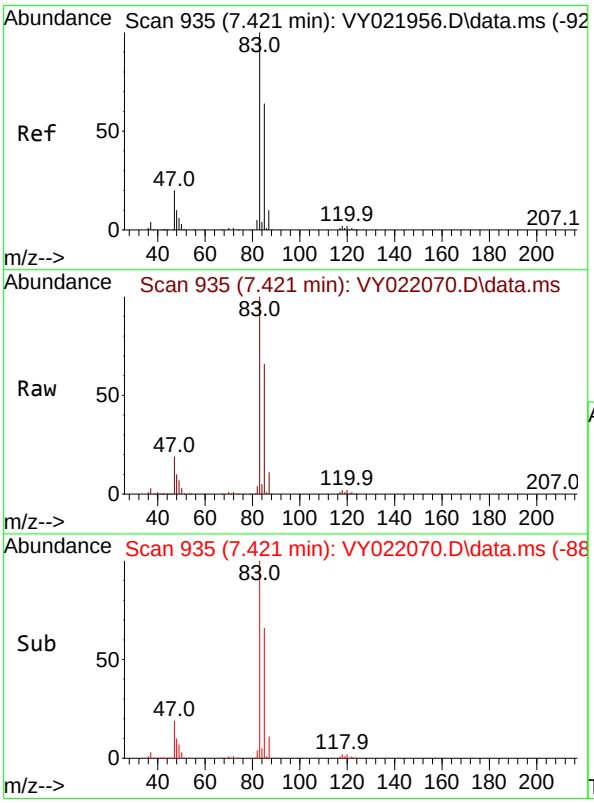
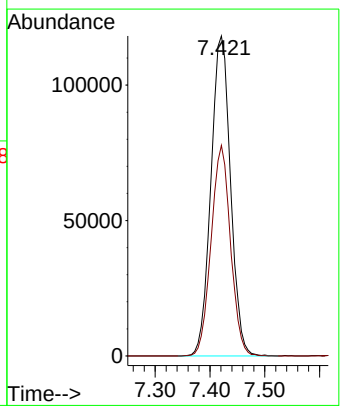
Supervised By :Mahesh Dadoda 05/05/2025

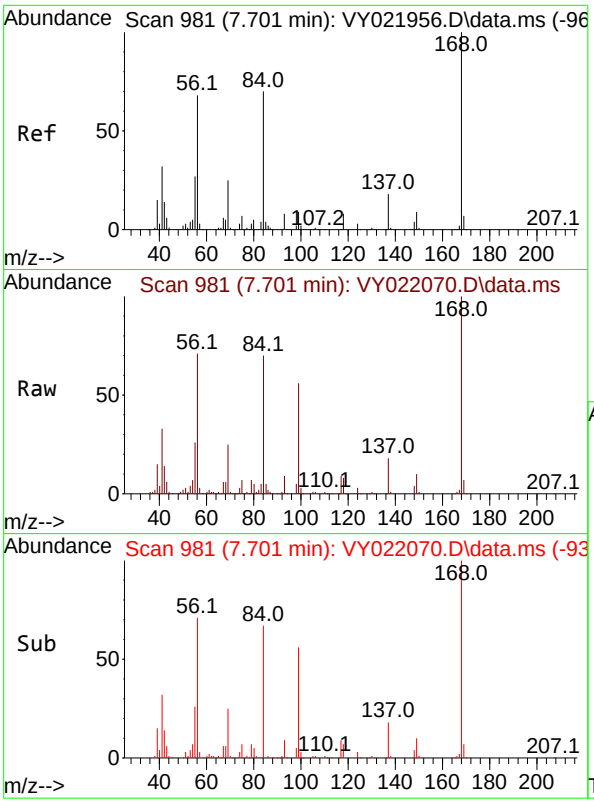


#30
Chloroform
Concen: 49.480 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 83 Resp: 293401

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





#31
Cyclohexane
Concen: 45.589 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 56 Resp: 20840

Ion	Ratio	Lower	Upper
56	100		
69	35.6	29.4	44.2
84	97.3	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/05/2025
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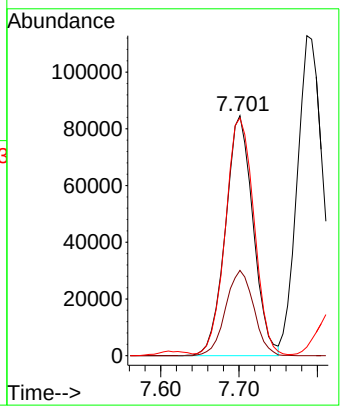
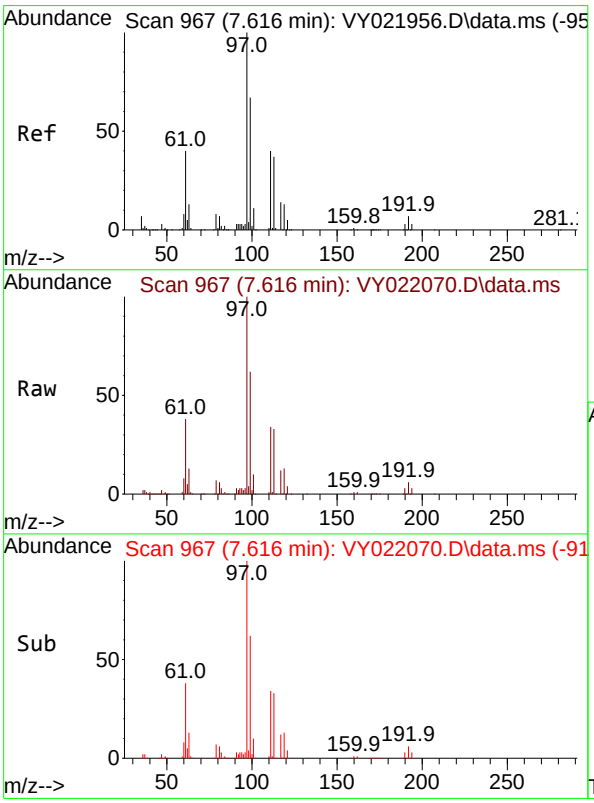
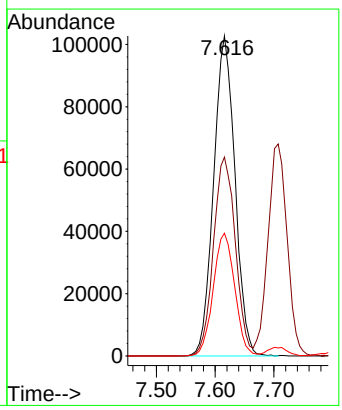


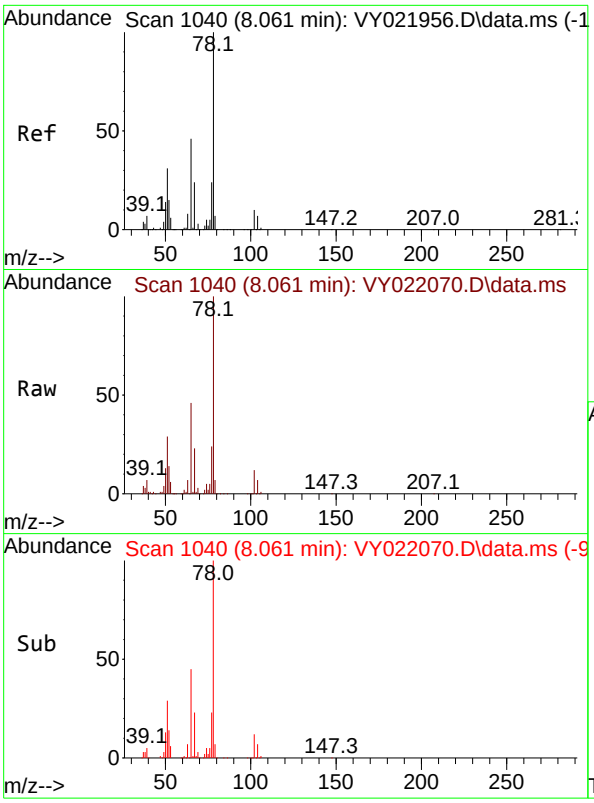


#32
1,1,1-Trichloroethane
Concen: 48.346 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 97 Resp: 259359

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	38.7	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 47.797 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 65 Resp: 13218

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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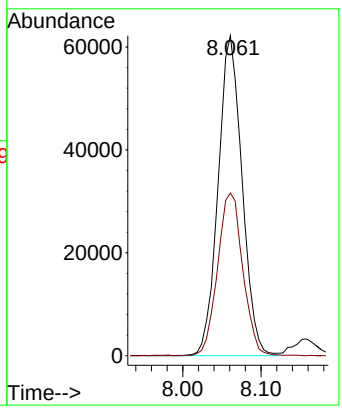
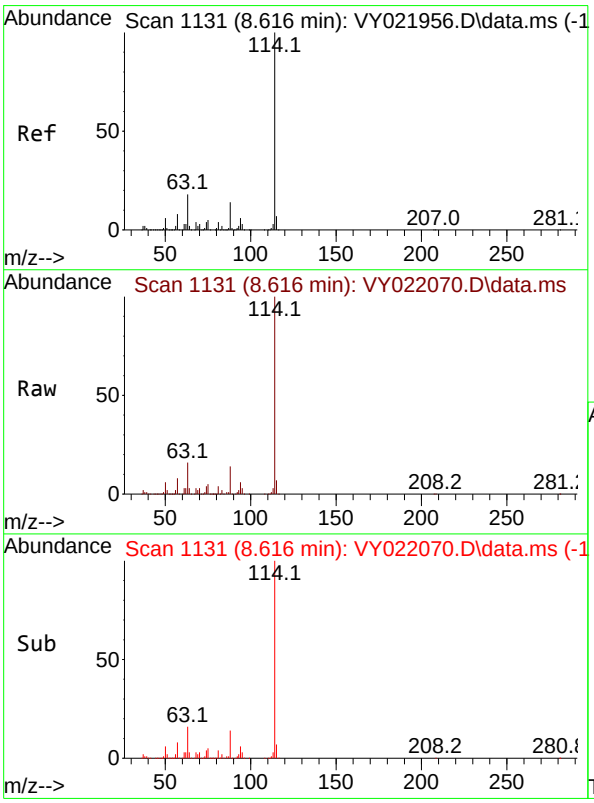
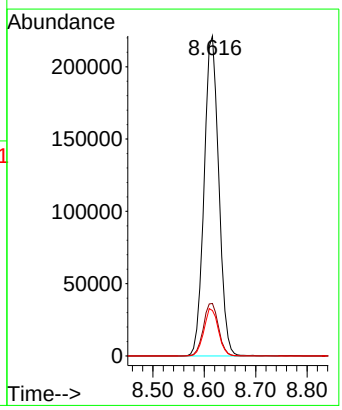


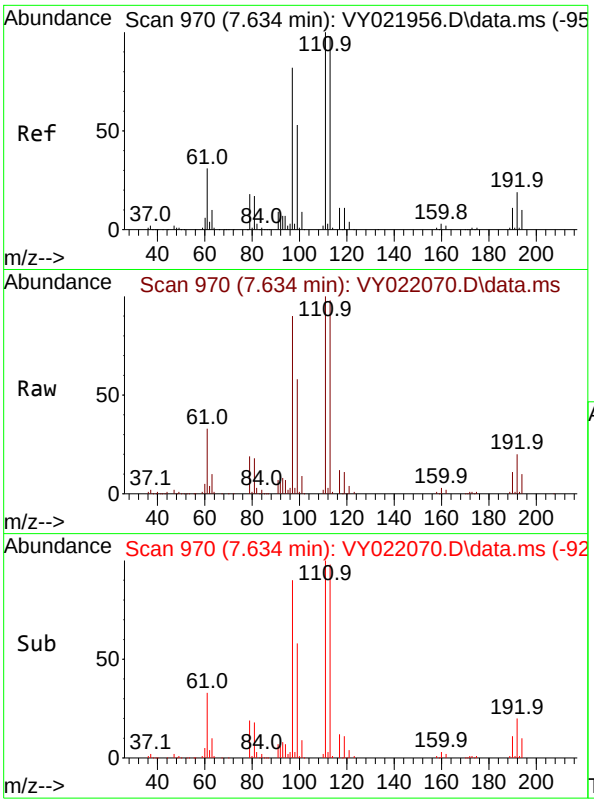


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:114 Resp: 438020

Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	35.4
88	14.2	0.0	28.2

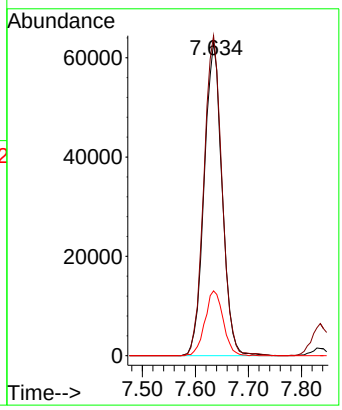




#35
Dibromofluoromethane
Concen: 51.071 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:113 Resp: 14778

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	21.1	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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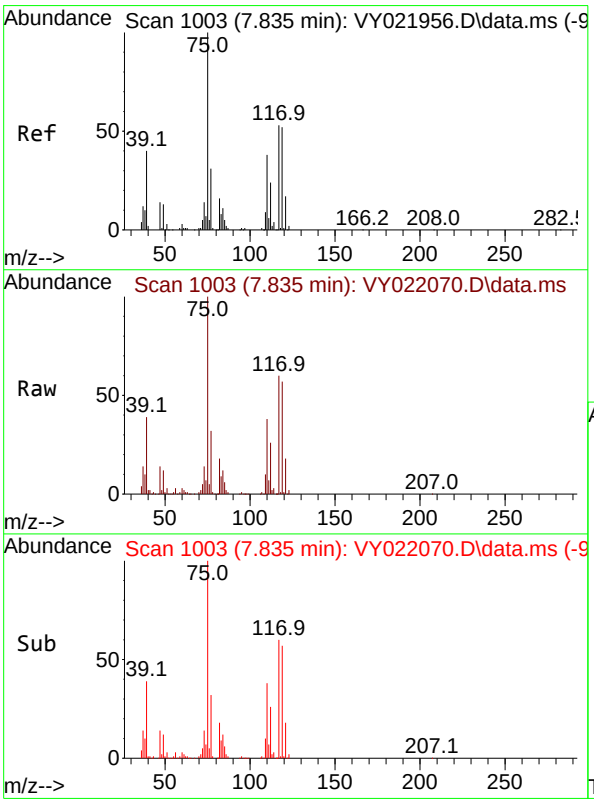
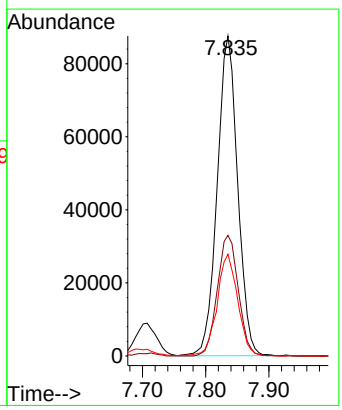
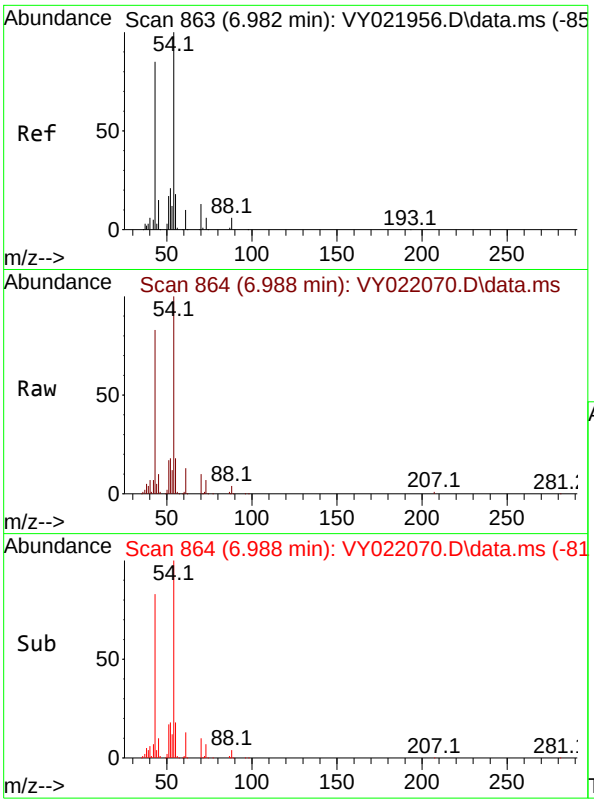


#36
1,1-Dichloropropene
Concen: 50.518 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 196371

Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.1	57.3
77	32.2	25.5	38.3





#37
Ethyl Acetate
Concen: 50.914 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 7108

Ion	Ratio	Lower	Upper
43	100		
61	15.6	13.8	20.6
70	13.1	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
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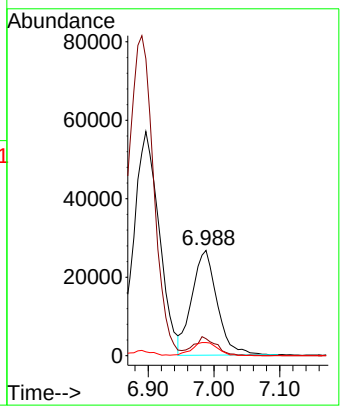
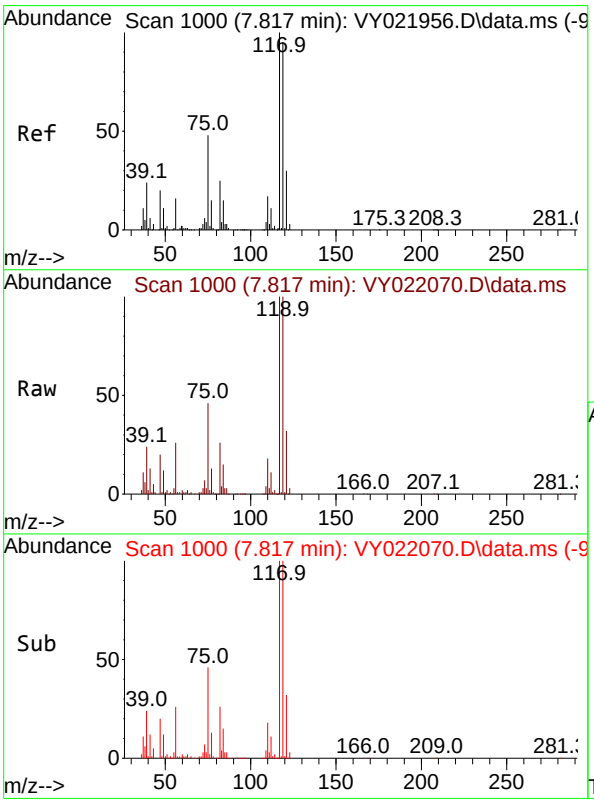
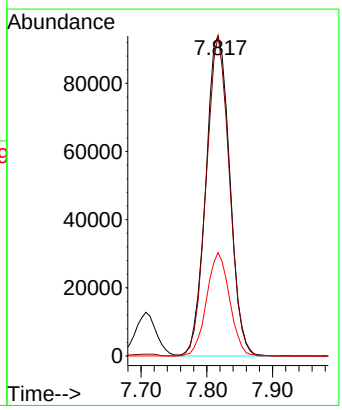


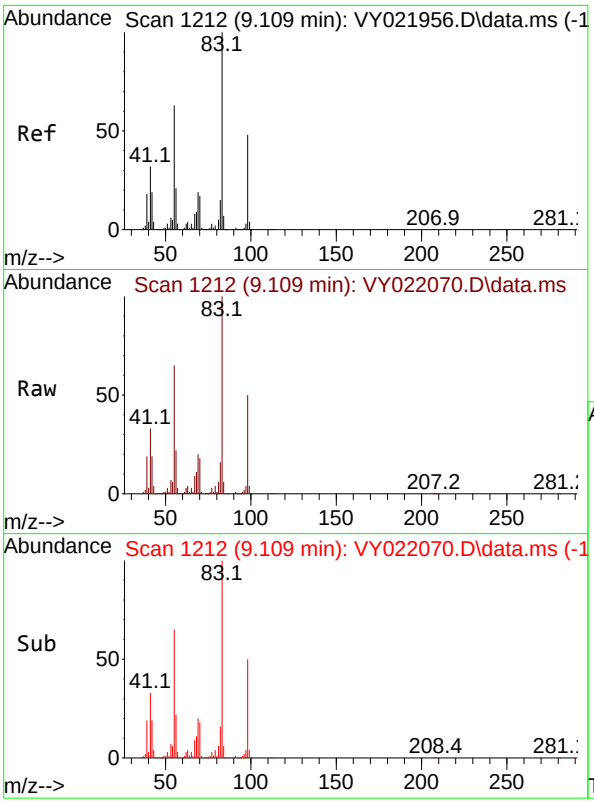


#38
Carbon Tetrachloride
Concen: 51.231 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:117 Resp: 237962

Ion	Ratio	Lower	Upper
117	100		
119	100.0	76.2	114.4
121	32.3	24.0	36.0

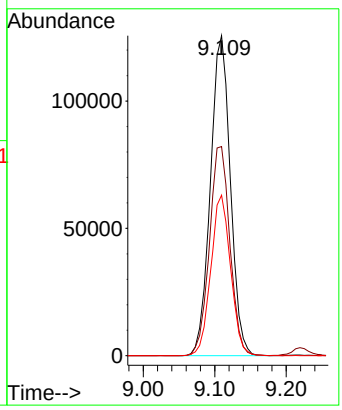




#39
Methylcyclohexane
Concen: 49.776 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 83 Resp: 24349

Ion	Ratio	Lower	Upper
83	100		
55	65.3	50.6	75.8
98	50.2	38.6	58.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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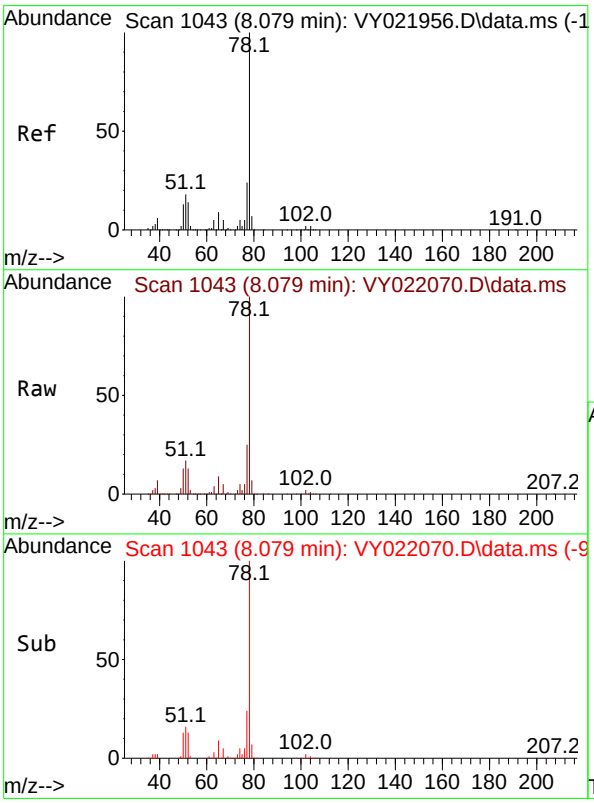
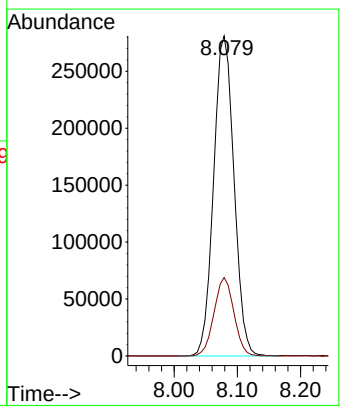
Supervised By :Mahesh Dadoda 05/05/2025

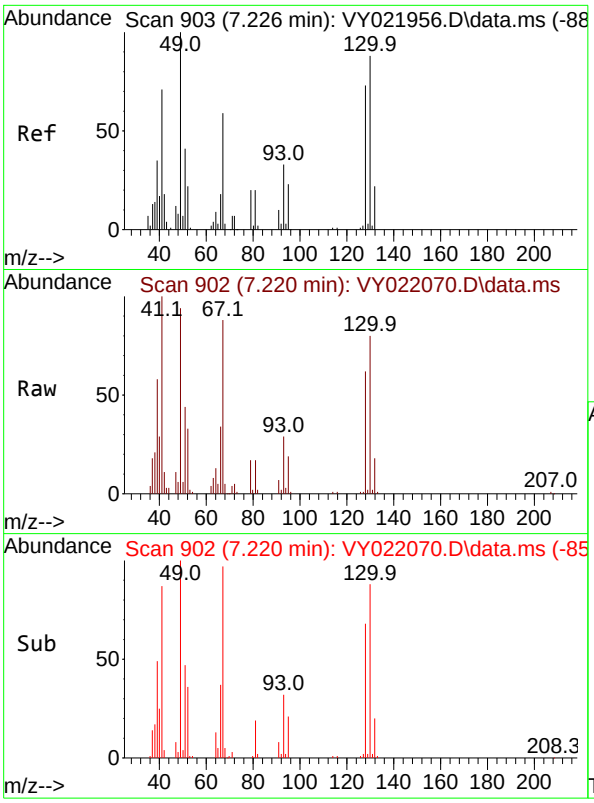


#40
Benzene
Concen: 51.650 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 78 Resp: 627597

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9

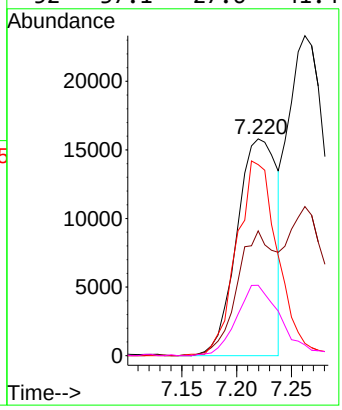




#41
Methacrylonitrile
Concen: 52.602 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 41 Resp: 4014

Ion	Ratio	Lower	Upper
41	100		
39	55.4	36.6	55.0
67	93.0	72.2	108.4
52	37.1	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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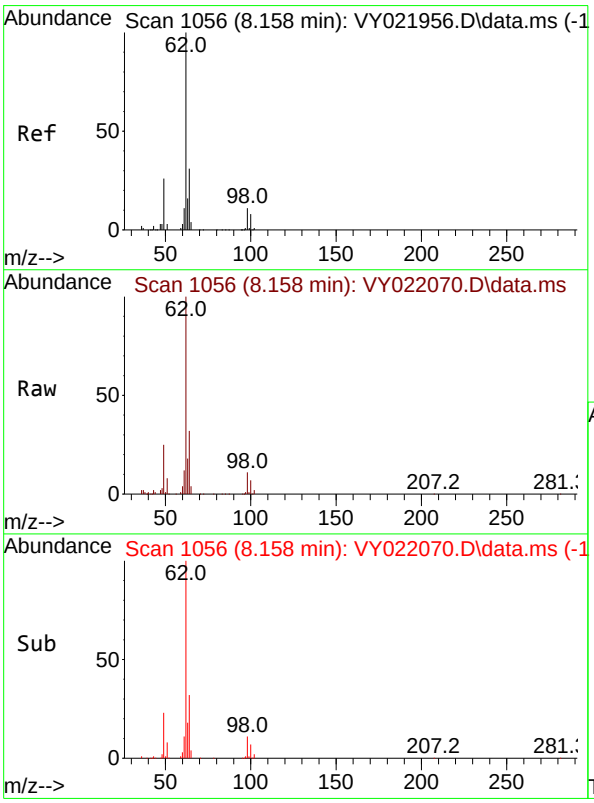
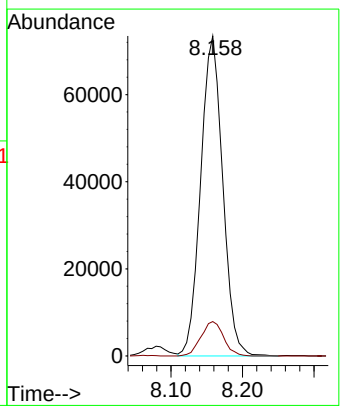
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

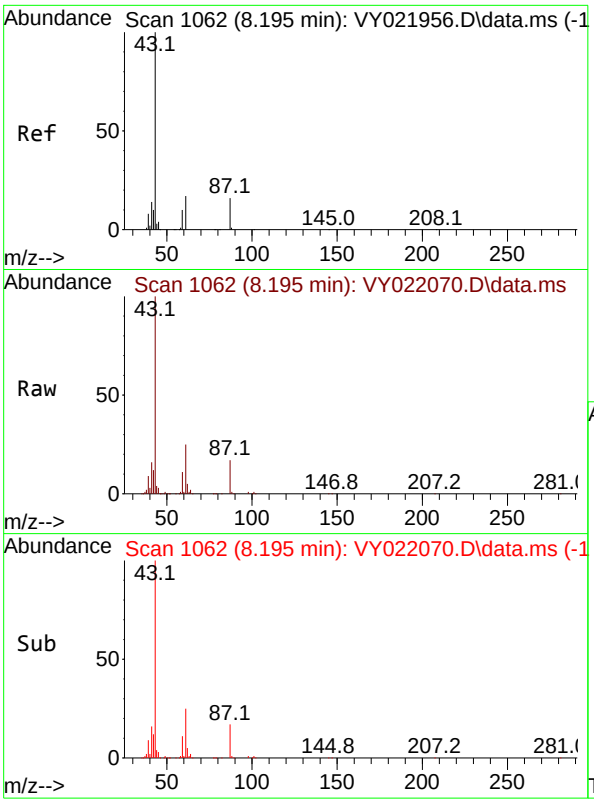


#42
1,2-Dichloroethane
Concen: 52.289 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 62 Resp: 157308

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0

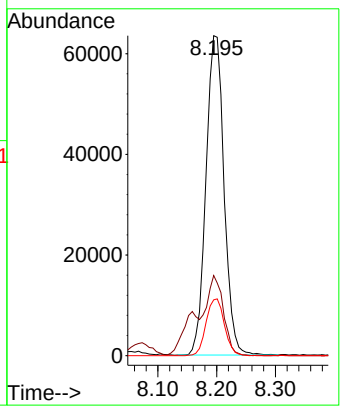




#43
Isopropyl Acetate
Concen: 50.705 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 13594

Ion	Ratio	Lower	Upper
43	100		
61	24.1	18.9	28.3
87	18.0	13.7	20.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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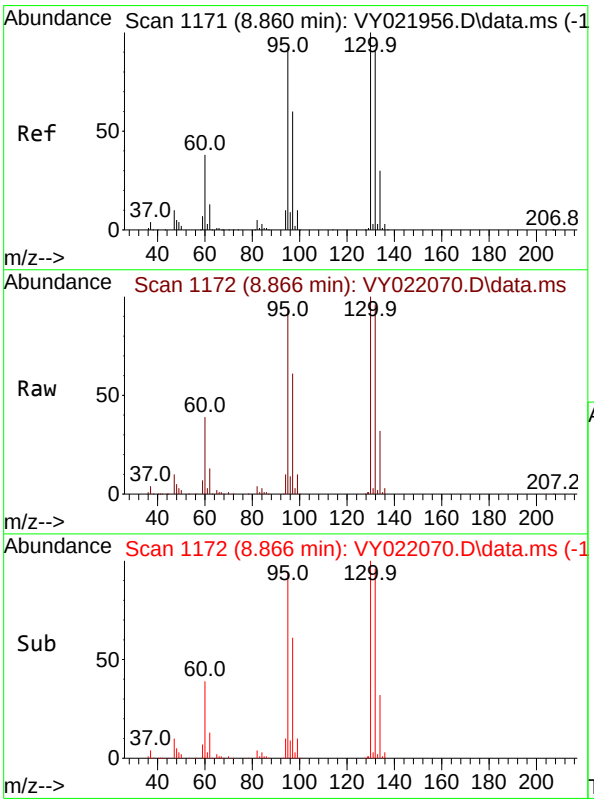
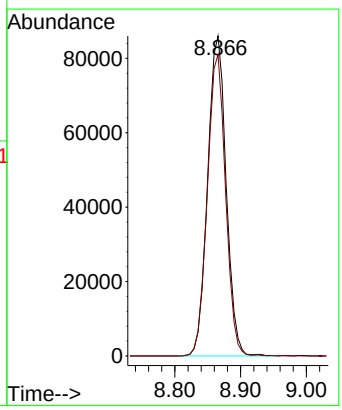
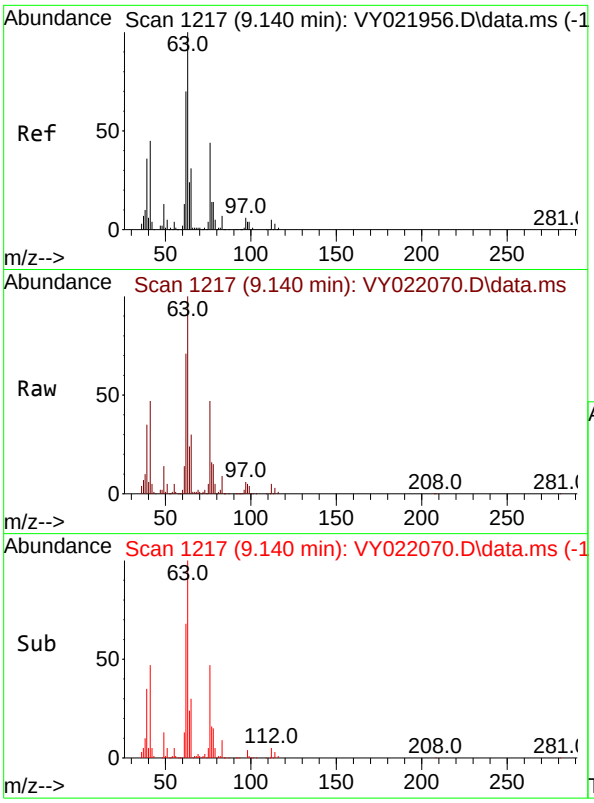


#44
Trichloroethene
Concen: 50.102 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:130 Resp: 168626

Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	183.2





#45
1,2-Dichloropropane
Concen: 52.280 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 63 Resp: 14048

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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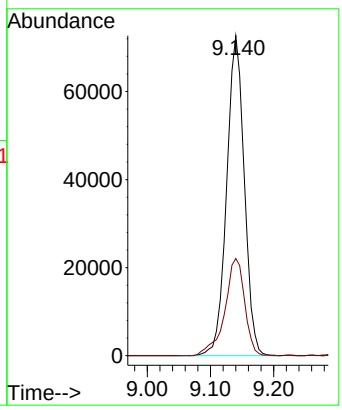
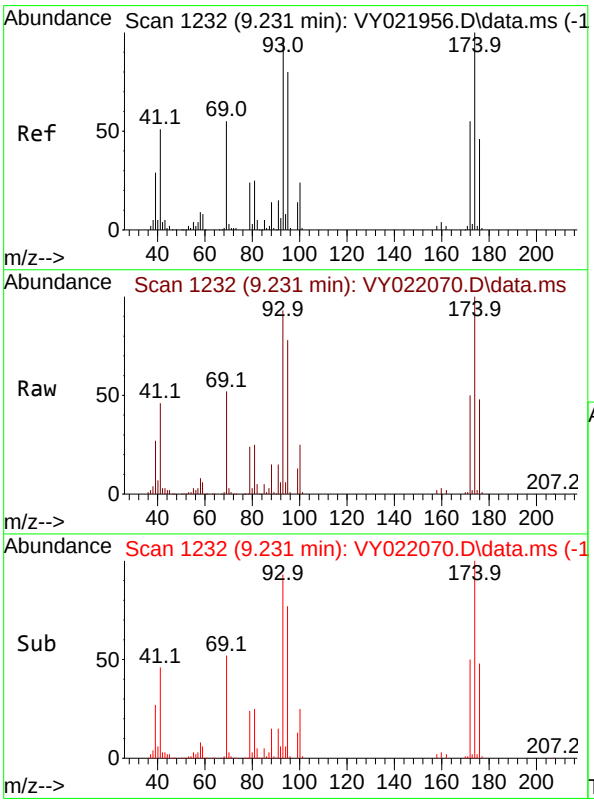
Supervised By :Mahesh Dadoda 05/05/2025

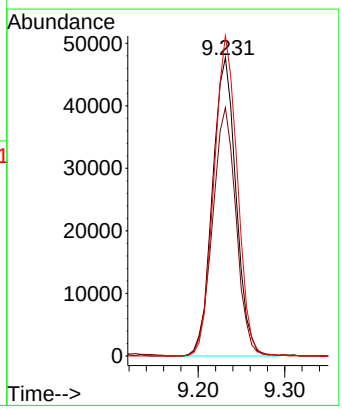


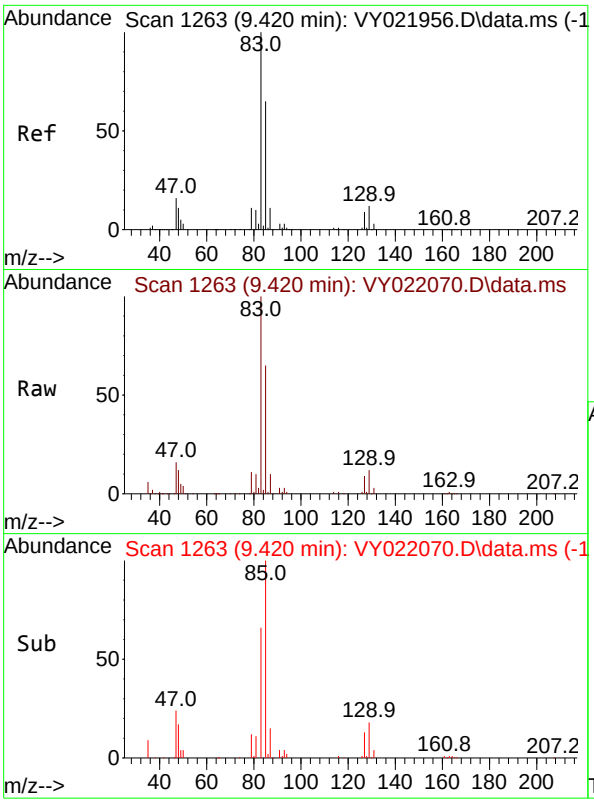


#46
Dibromomethane
Concen: 53.622 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 93 Resp: 90199

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.7	100.1
174	106.3	84.6	127.0

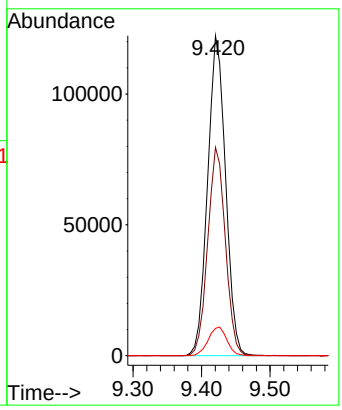




#47
Bromodichloromethane
Concen: 52.951 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 83 Resp: 22251

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8
127	8.6	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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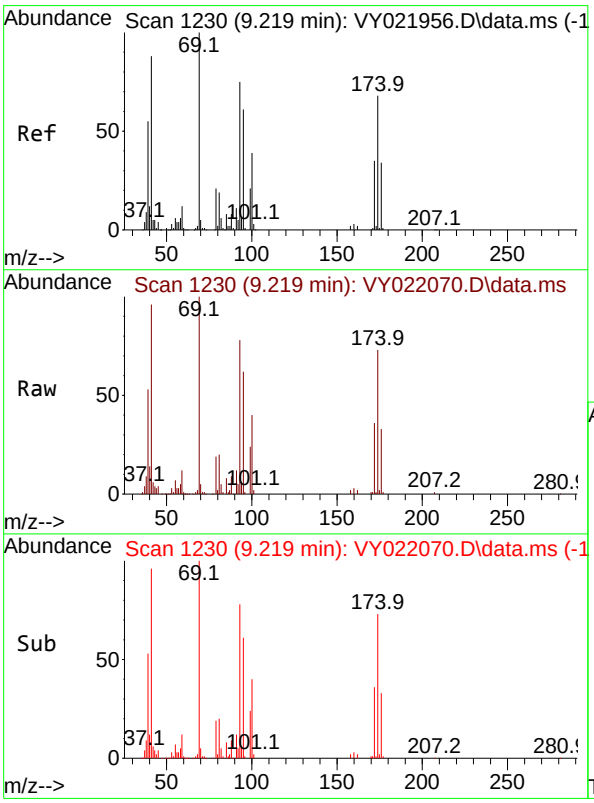
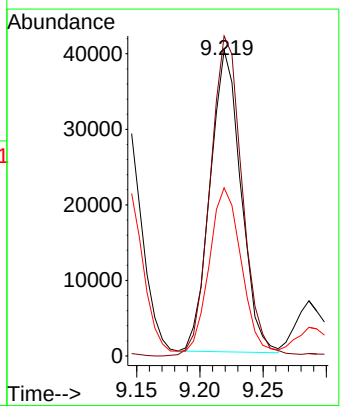
Supervised By :Mahesh Dadoda 05/05/2025

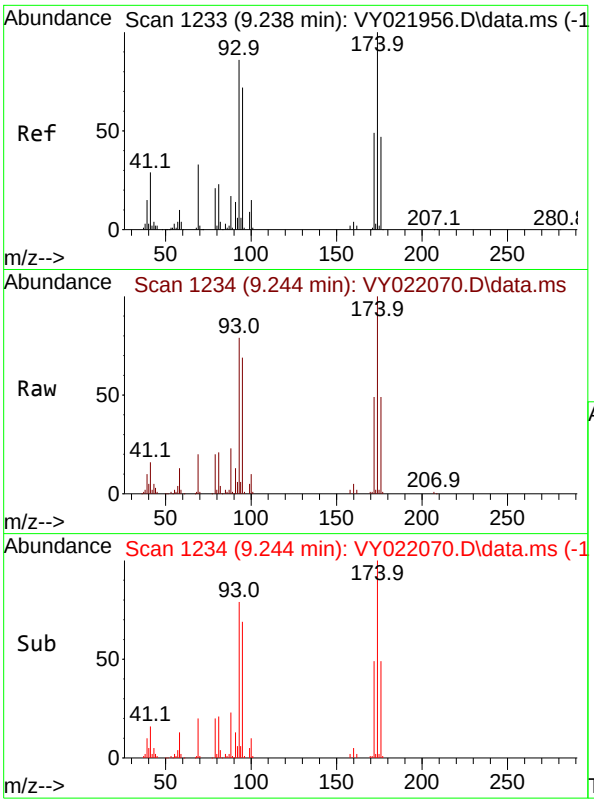


#48
Methyl methacrylate
Concen: 54.519 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 41 Resp: 67571

Ion	Ratio	Lower	Upper
41	100		
69	109.9	85.5	128.3
39	55.5	46.2	69.4





#49
1,4-Dioxane
Concen: 1132.484 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 88 Resp: 2030

Ion	Ratio	Lower	Upper
88	100		
43	23.7	21.3	31.9
58	62.4	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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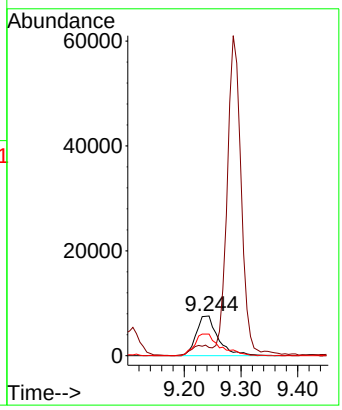
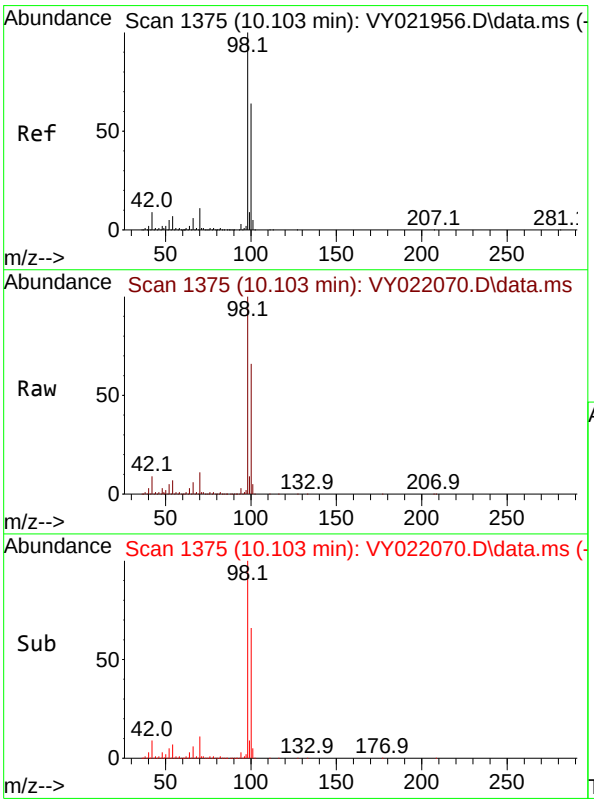
Supervised By :Mahesh Dadoda 05/05/2025

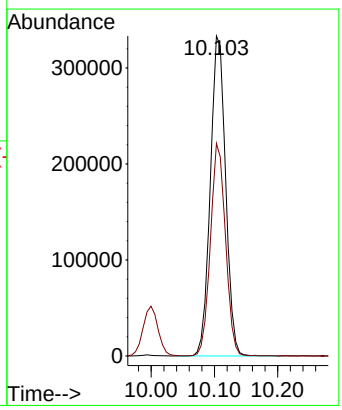


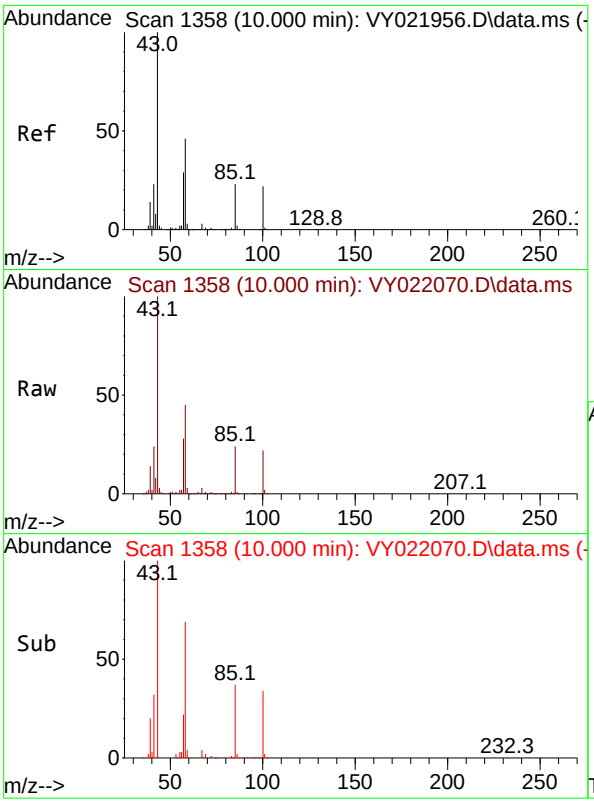


#50
Toluene-d8
Concen: 51.302 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 98 Resp: 559683

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 282.021 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 39636

Ion	Ratio	Lower	Upper
43	100		
58	45.1	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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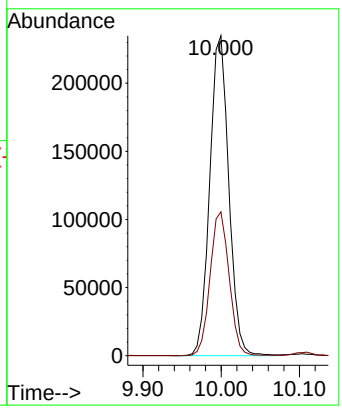
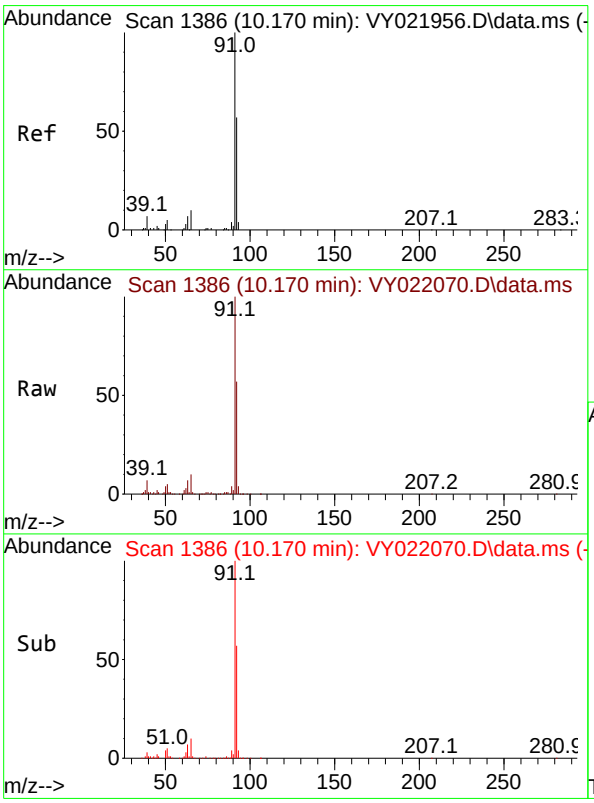
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

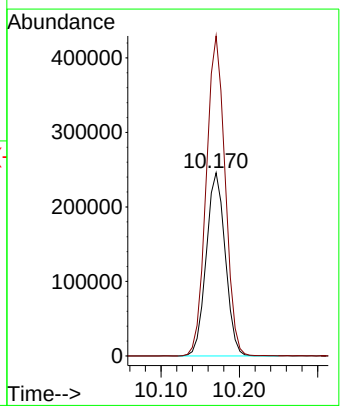


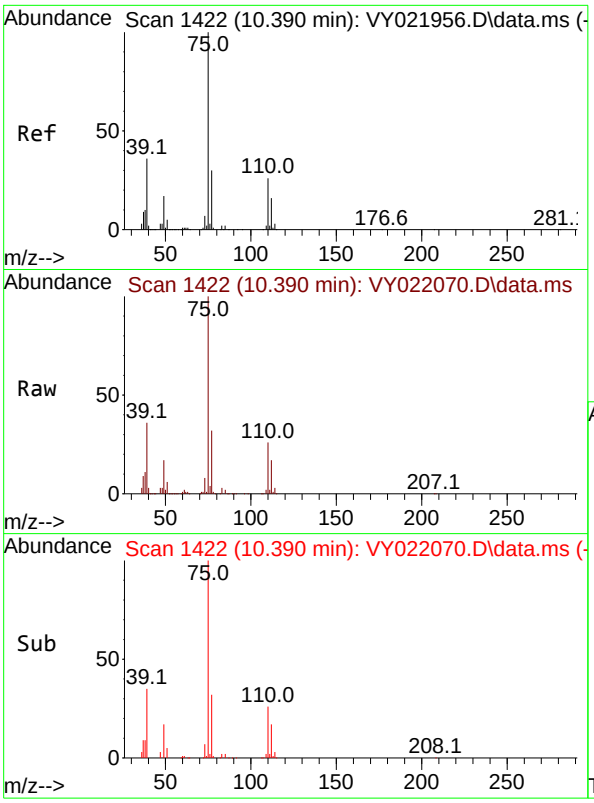


#52
Toluene
Concen: 52.558 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 92 Resp: 413392

Ion	Ratio	Lower	Upper
92	100		
91	173.9	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 52.943 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 19082

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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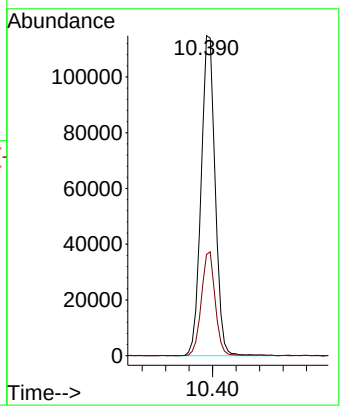
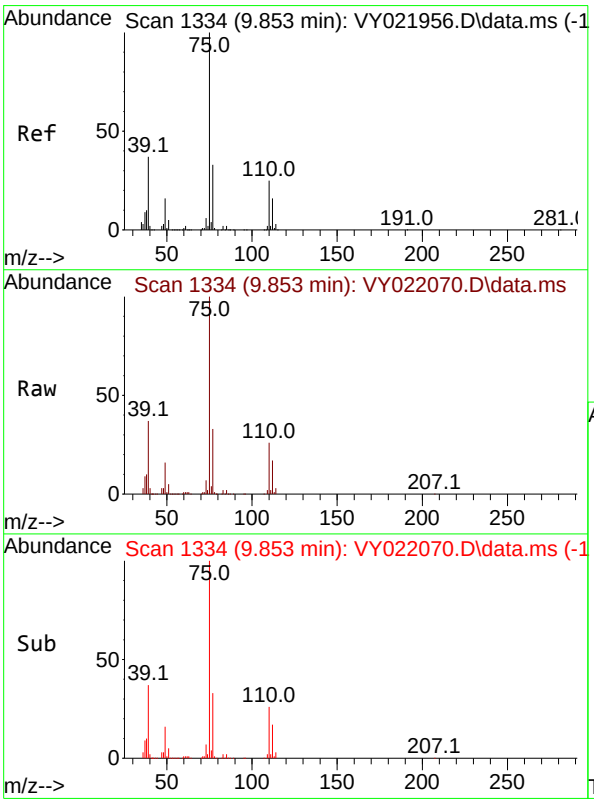
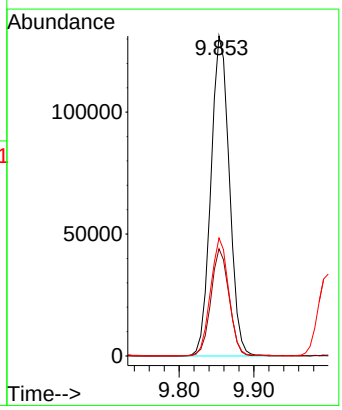


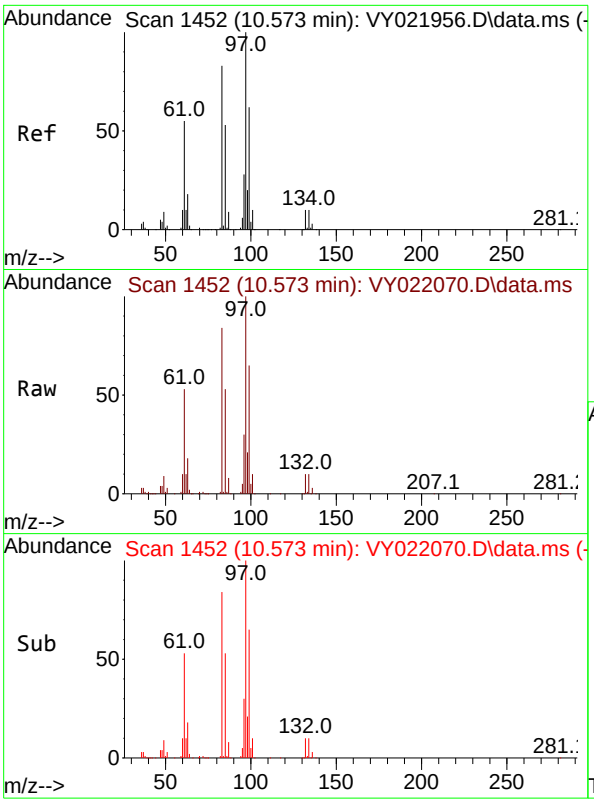


#54
cis-1,3-Dichloropropene
Concen: 52.602 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 225382

Ion	Ratio	Lower	Upper
75	100		
77	33.5	26.6	40.0
39	36.8	29.6	44.4

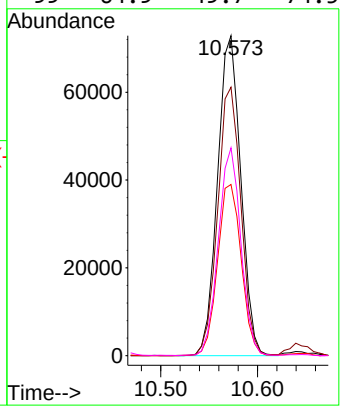




#55
1,1,2-Trichloroethane
Concen: 54.162 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 97 Resp: 12169

Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.7	100.1
85	53.5	42.6	64.0
99	64.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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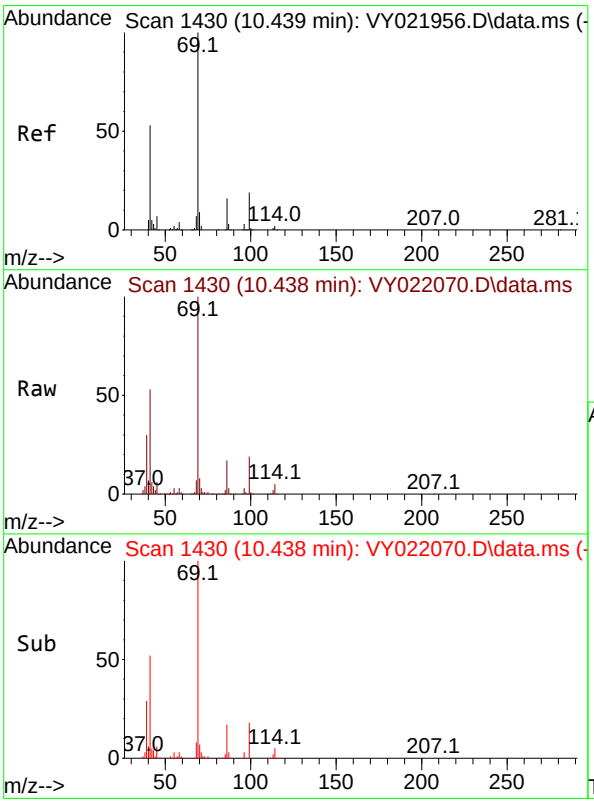
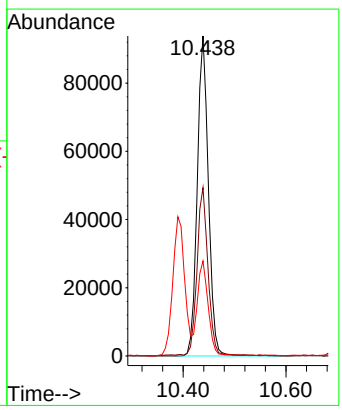
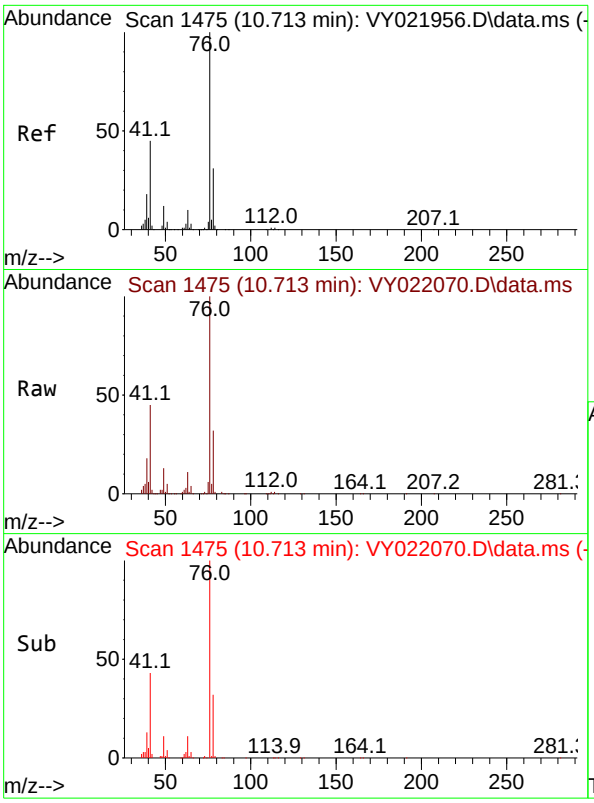


#56
Ethyl methacrylate
Concen: 54.864 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 69 Resp: 140972

Ion	Ratio	Lower	Upper
69	100		
41	52.3	40.7	61.1
39	29.0	23.3	34.9





#57
1,3-Dichloropropane
Concen: 53.116 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 76 Resp: 19133

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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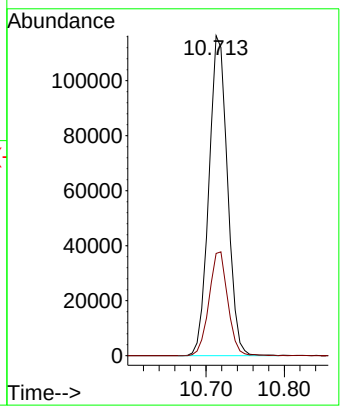
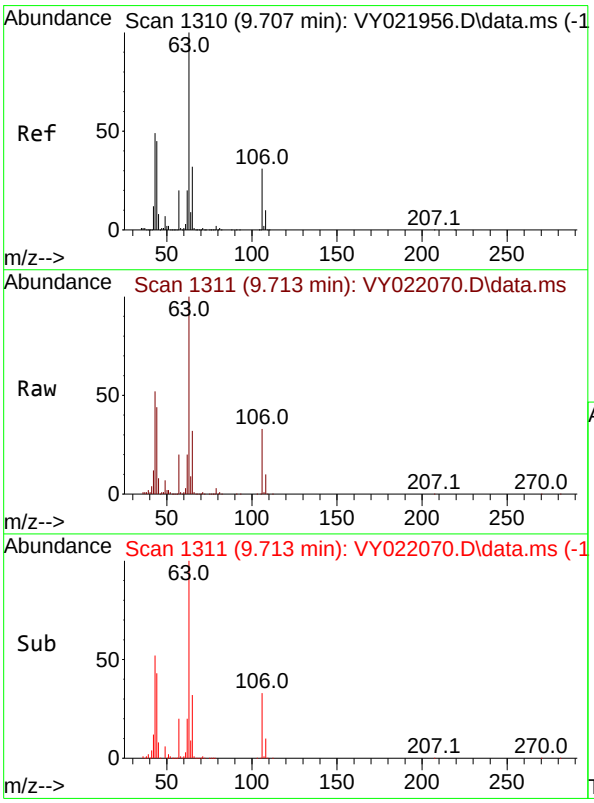
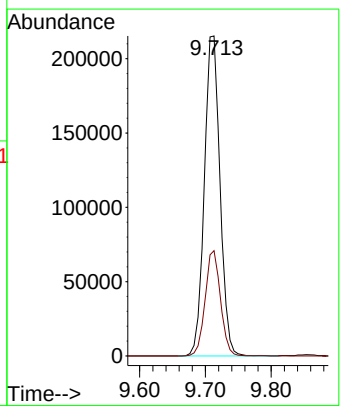


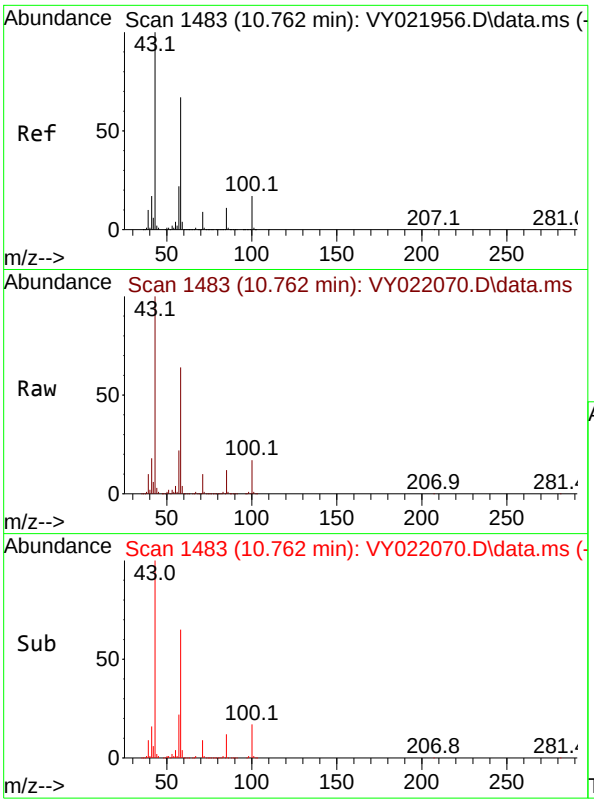


#58
2-Chloroethyl Vinyl ether
Concen: 284.170 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 63 Resp: 357006

Ion	Ratio	Lower	Upper
63	100		
106	32.3	25.3	37.9





#59
2-Hexanone
Concen: 285.628 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 26477

Ion	Ratio	Lower	Upper
43	100		
58	63.0	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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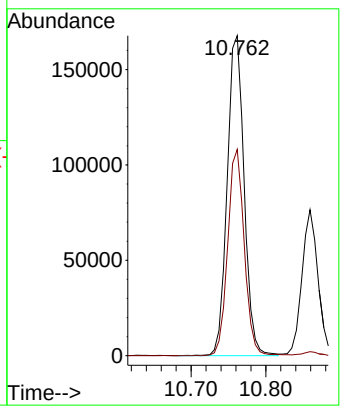
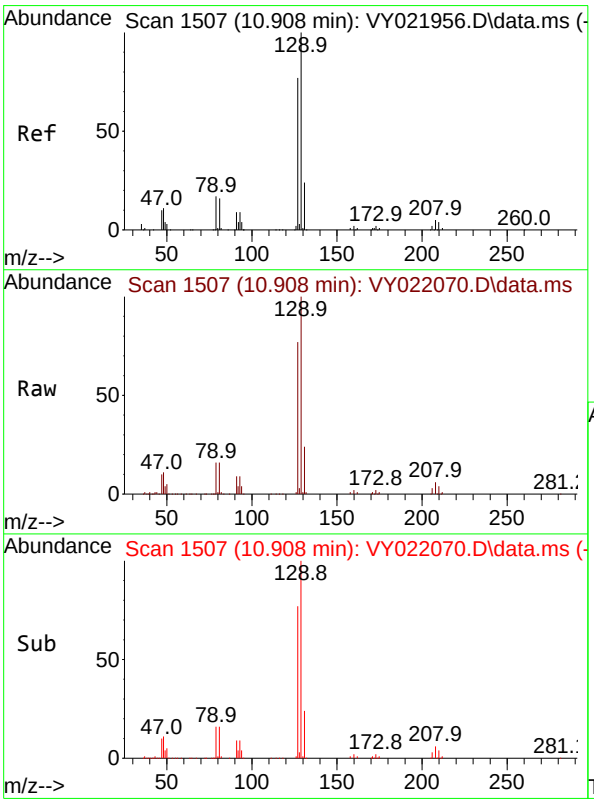
Supervised By :Mahesh Dadoda 05/05/2025

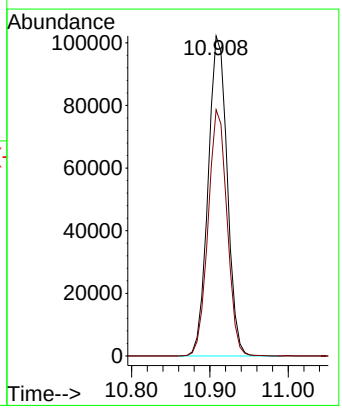


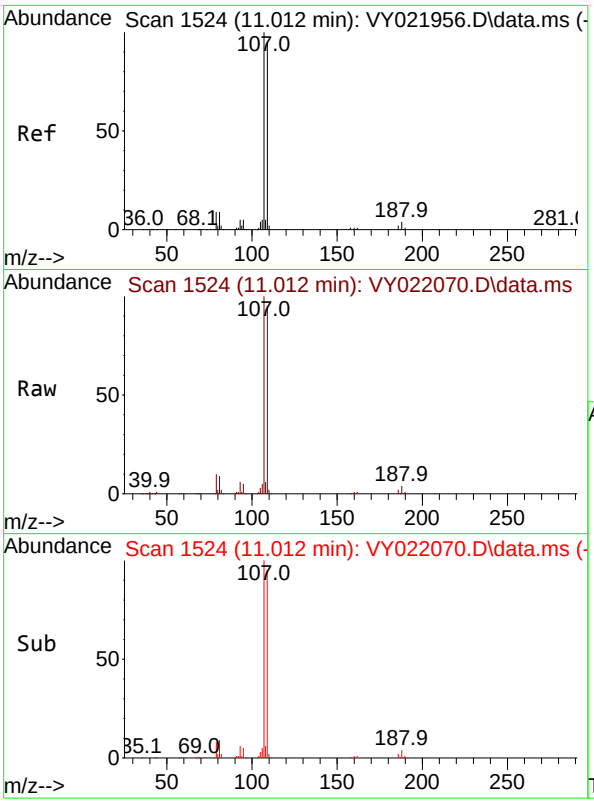


#60
Dibromochloromethane
Concen: 55.529 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:129 Resp: 172741

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.3

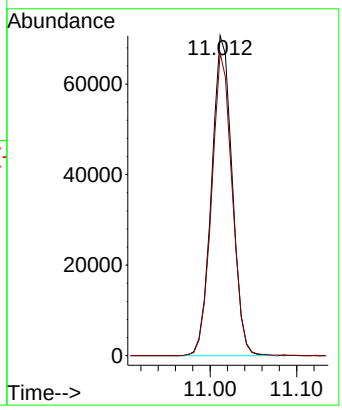




#61
1,2-Dibromoethane
Concen: 54.866 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:107 Resp: 11638

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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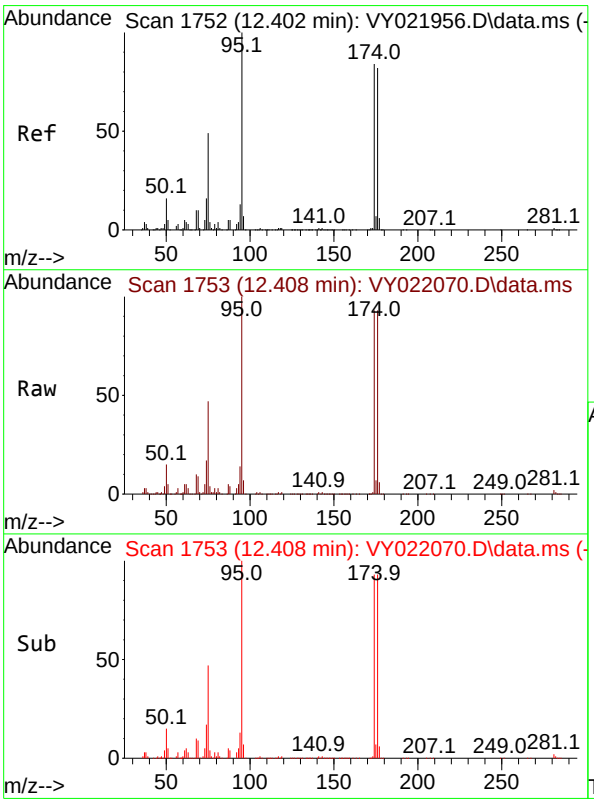
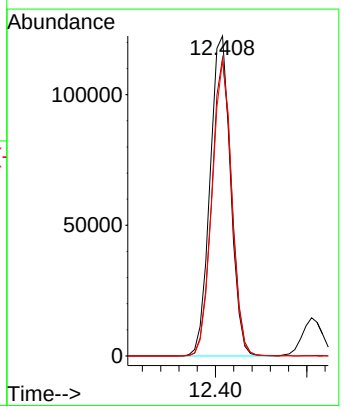
Supervised By :Mahesh Dadoda 05/05/2025

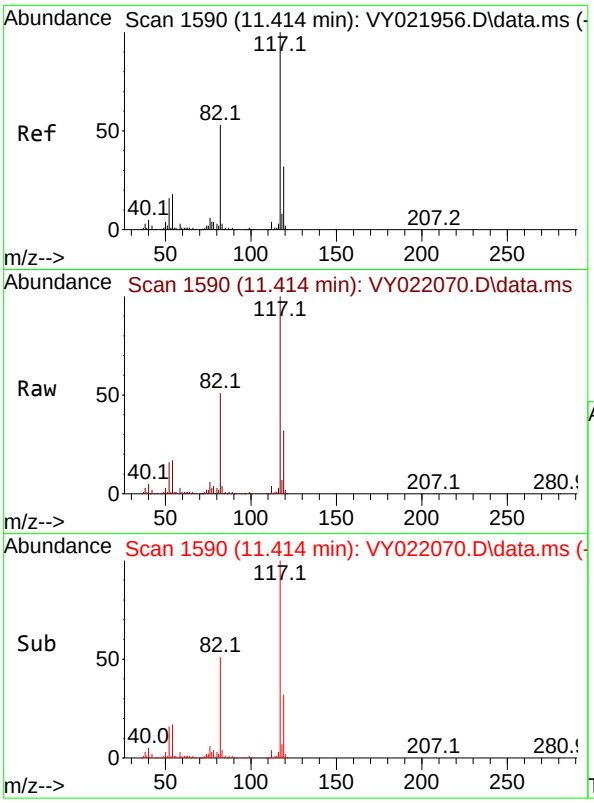


#62
4-Bromofluorobenzene
Concen: 51.957 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 95 Resp: 190816

Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.0
176	88.6	0.0	171.8

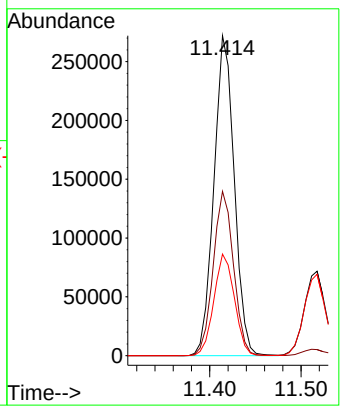




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:117 Resp: 42048

Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.1	63.1
119	31.8	25.7	38.5



Instrument :
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ClientSampleId :
VSTDCCC050

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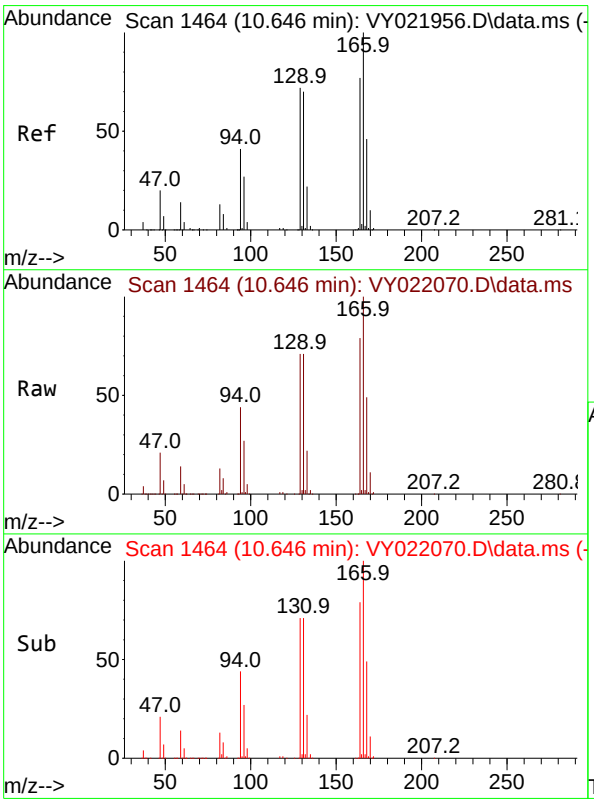
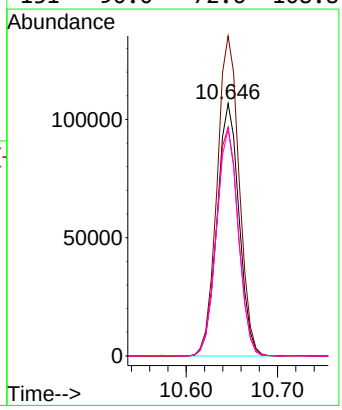
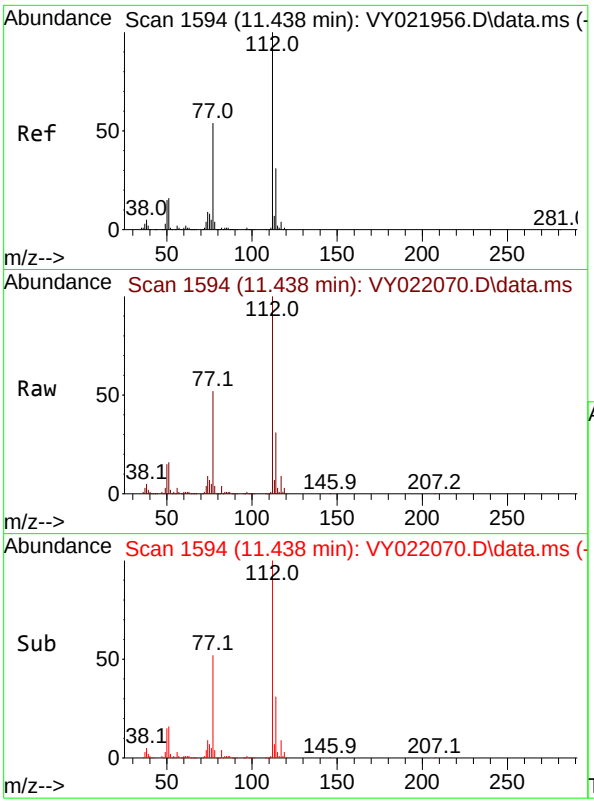


#64
Tetrachloroethene
Concen: 44.986 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:164 Resp: 178447

Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.6	155.4
129	90.6	74.2	111.4
131	90.0	72.6	108.8

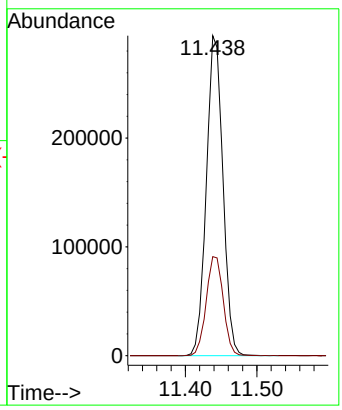




#65
Chlorobenzene
Concen: 50.303 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:112 Resp: 47300

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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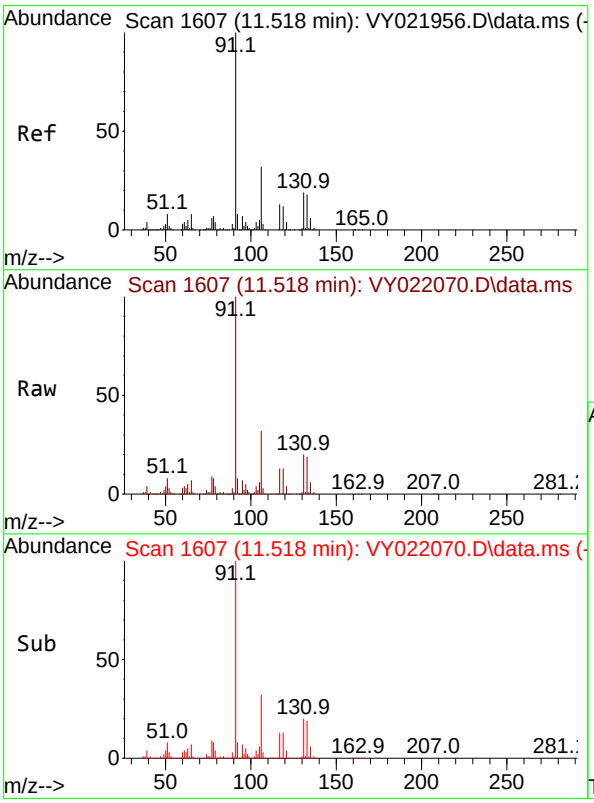
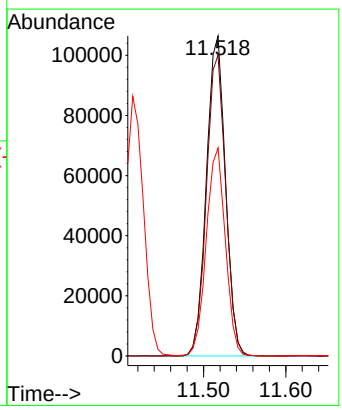
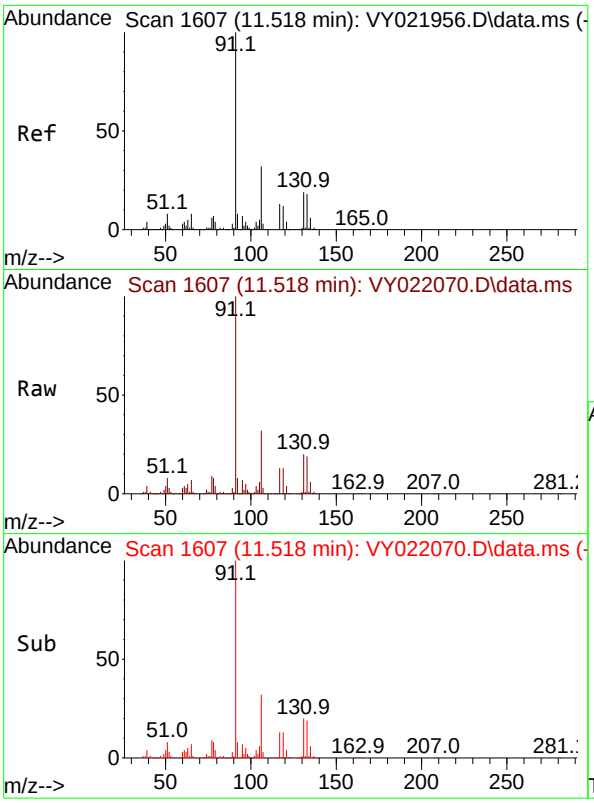


#66
1,1,1,2-Tetrachloroethane
Concen: 51.798 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:131 Resp: 171474

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.8	143.3
119	65.1	32.4	97.0

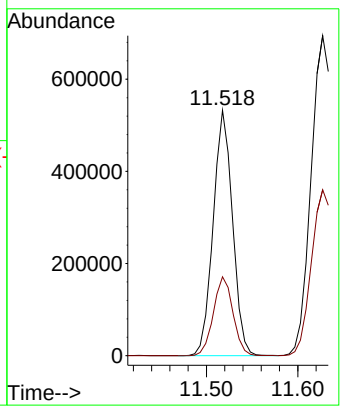




#67
Ethyl Benzene
Concen: 50.916 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 91 Resp: 78319

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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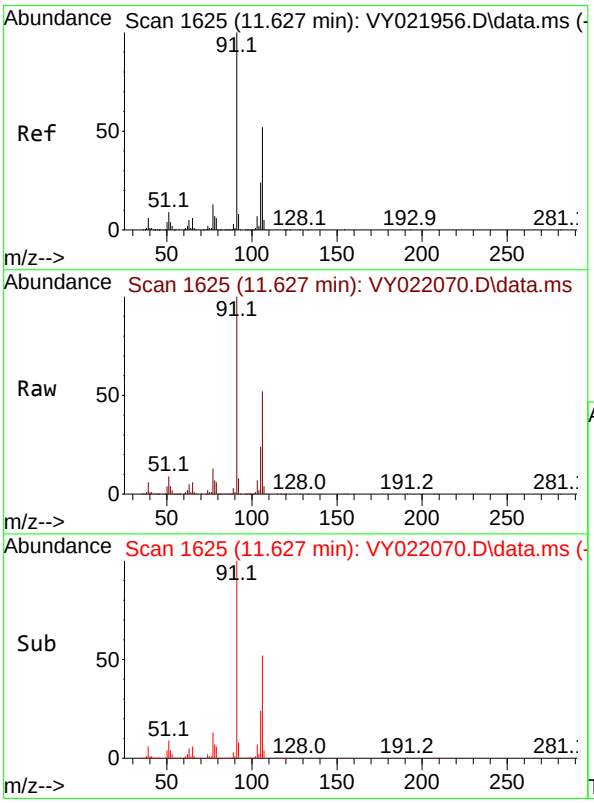
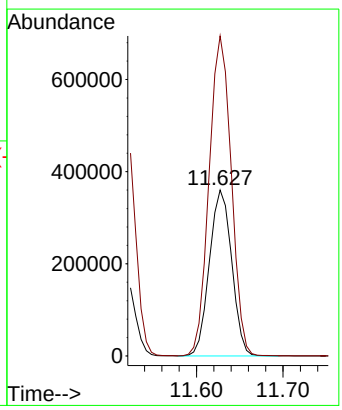
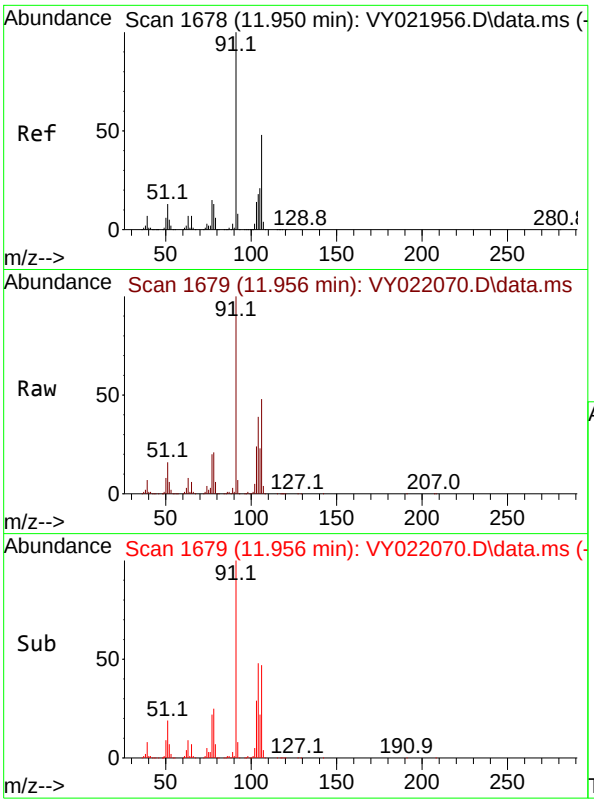


#68
m/p-Xylenes
Concen: 105.256 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:106 Resp: 644255

Ion	Ratio	Lower	Upper
106	100		
91	192.1	156.2	234.2

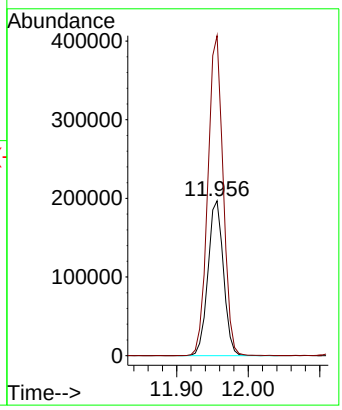




#69
o-Xylene
Concen: 52.408 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:106 Resp: 29565

Ion	Ratio	Lower	Upper
106	100		
91	204.3	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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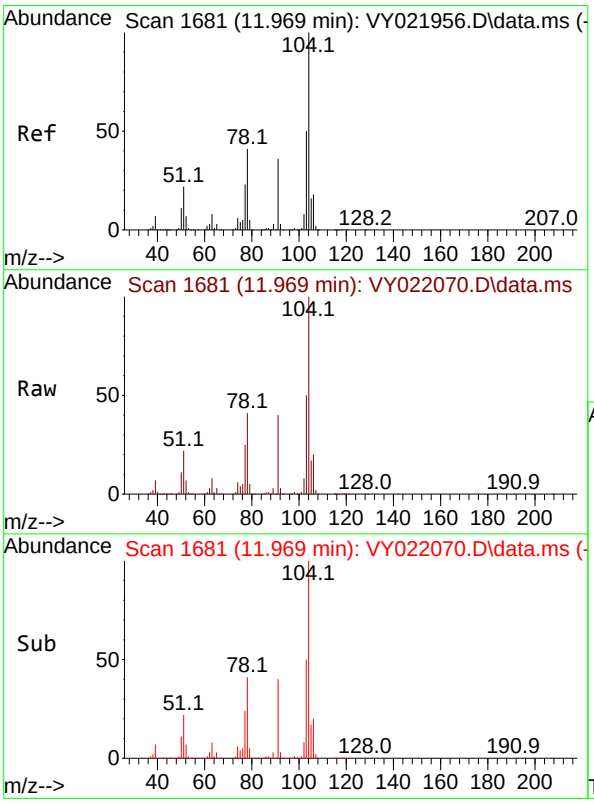
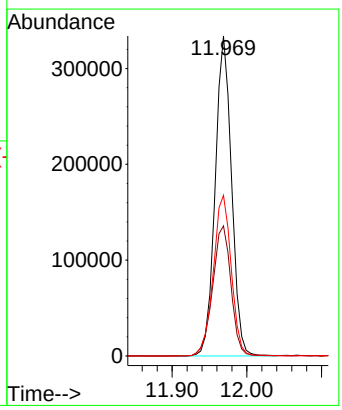
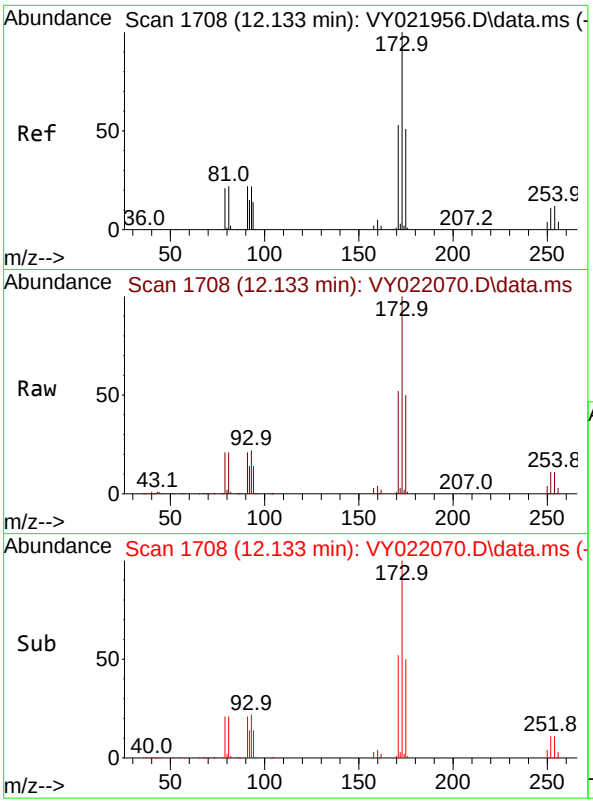


#70
Styrene
Concen: 53.858 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:104 Resp: 510156

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.6	54.8
103	54.9	43.8	65.8





#71
Bromoform
Concen: 53.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:173 Resp: 10317

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.1	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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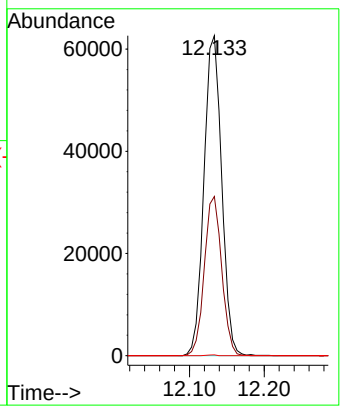
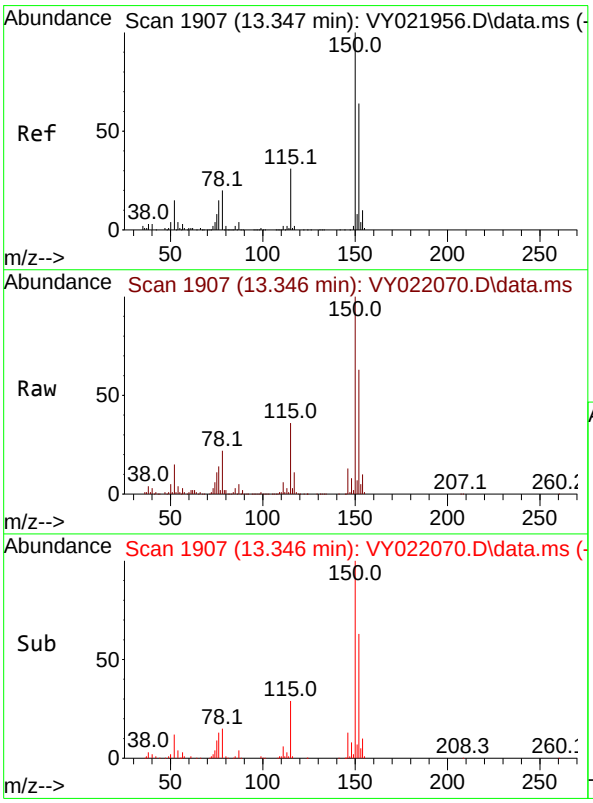
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

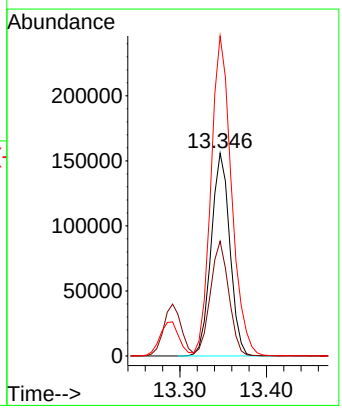


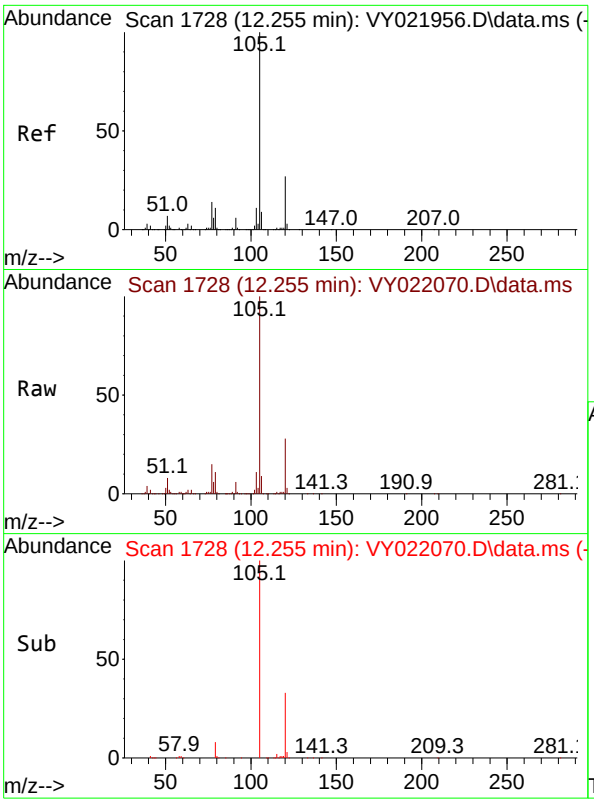


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:152 Resp: 233640

Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	84.0
150	173.1	0.0	345.6





#73
Isopropylbenzene
Concen: 48.826 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:105 Resp: 76215

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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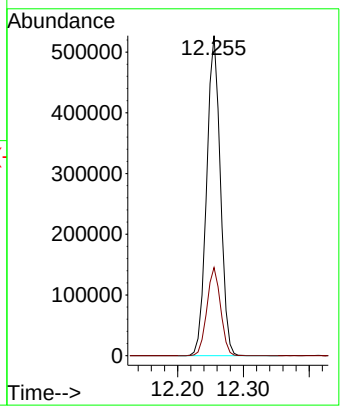
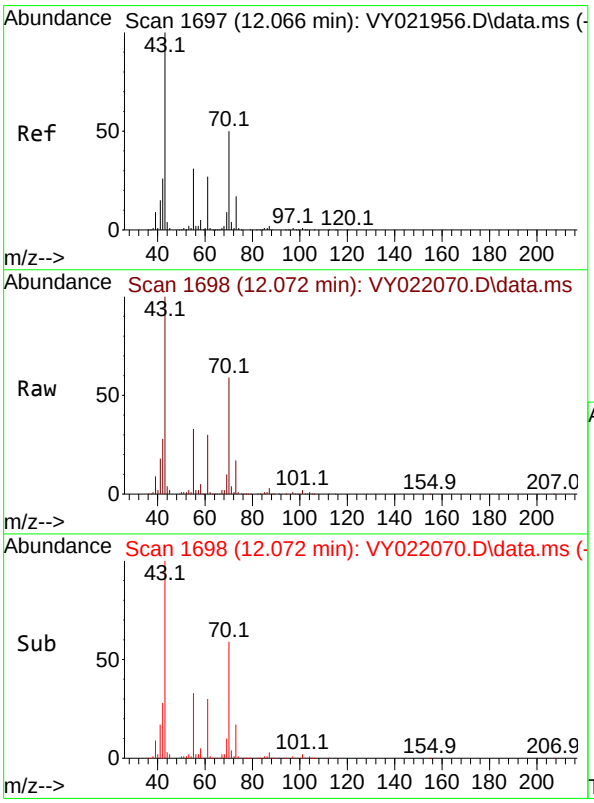
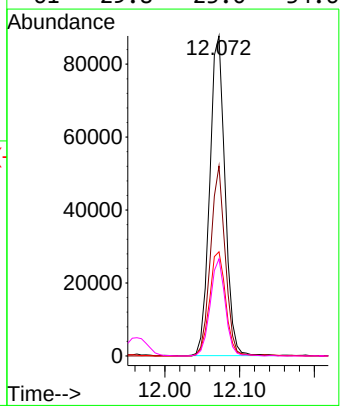


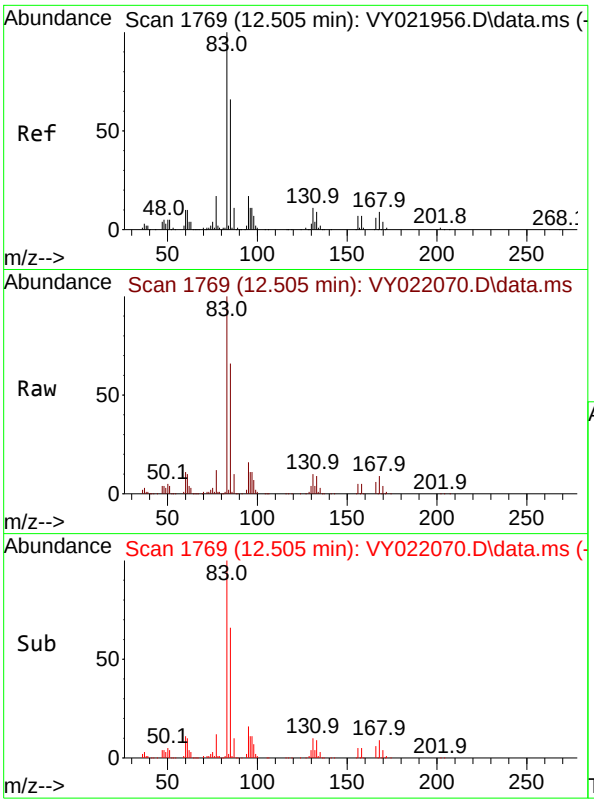


#74
N-amyl acetate
Concen: 46.530 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 124788

Ion	Ratio	Lower	Upper
43	100		
70	57.0	43.2	64.8
55	34.4	25.7	38.5
61	29.8	23.0	34.6

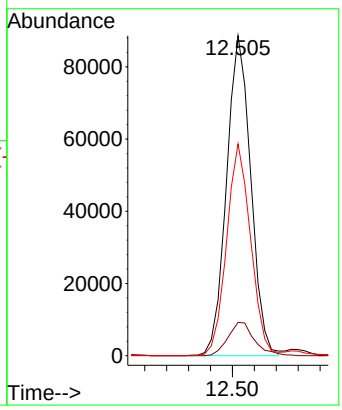




#75
1,1,2,2-Tetrachloroethane
Concen: 51.775 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 83 Resp: 13625

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.5	16.4
85	65.5	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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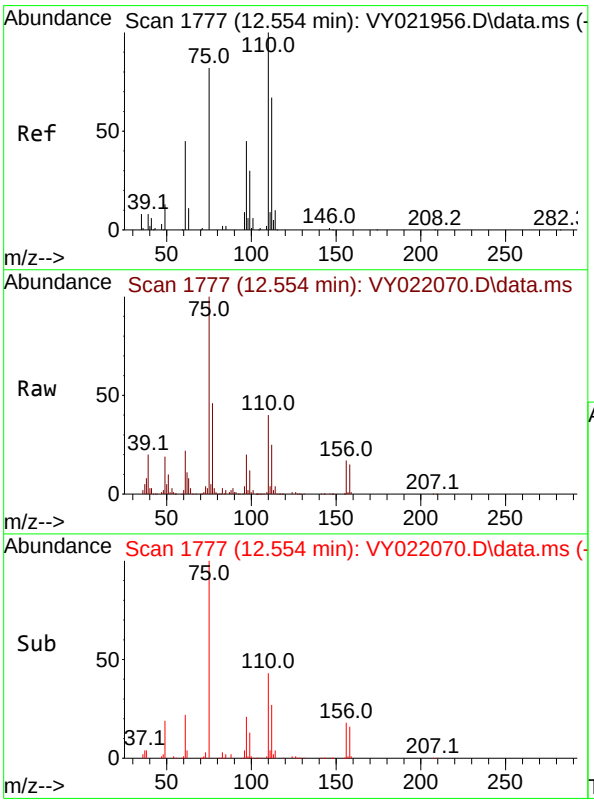
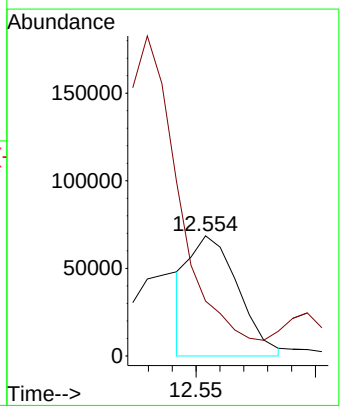
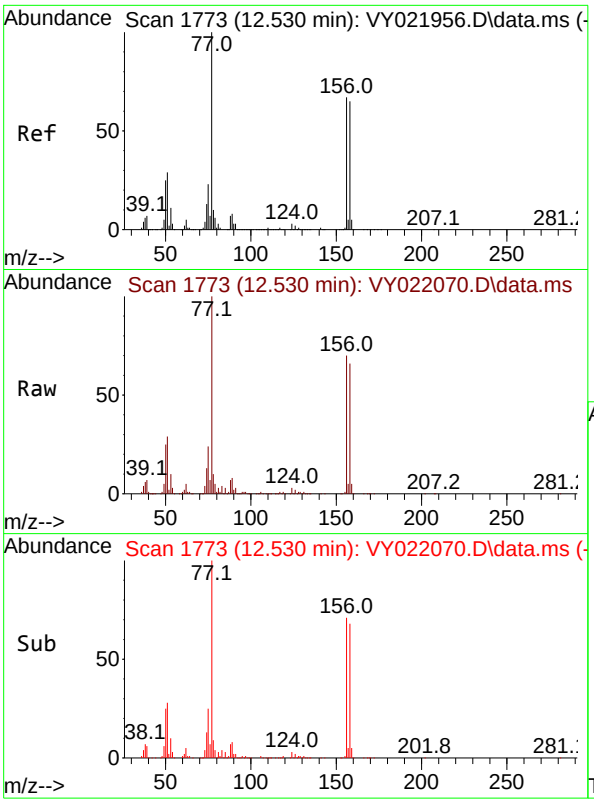


#76
1,2,3-Trichloropropane
Concen: 49.063 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 98186

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

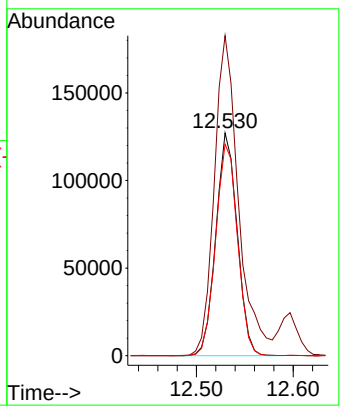




#77
Bromobenzene
Concen: 49.414 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:156 Resp: 19490

Ion	Ratio	Lower	Upper
156	100		
77	163.2	82.7	248.1
158	97.1	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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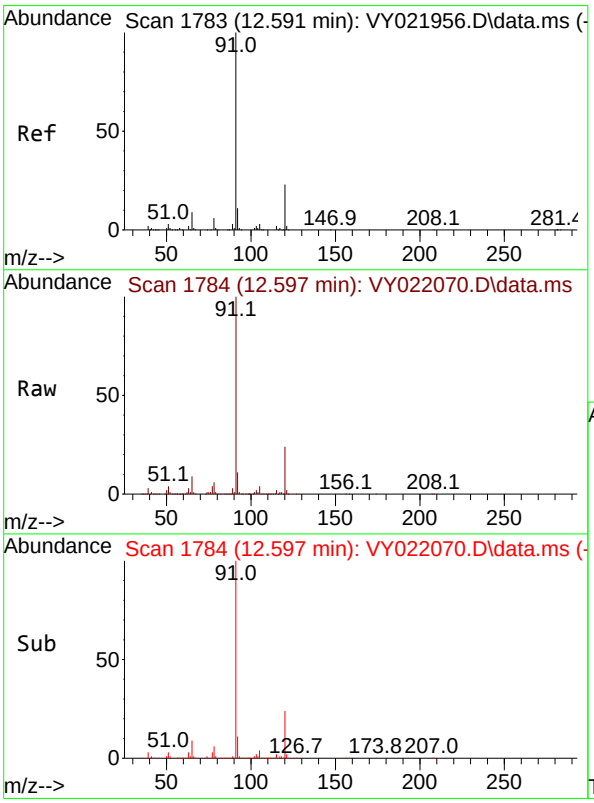
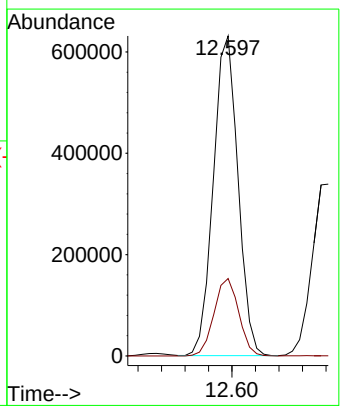
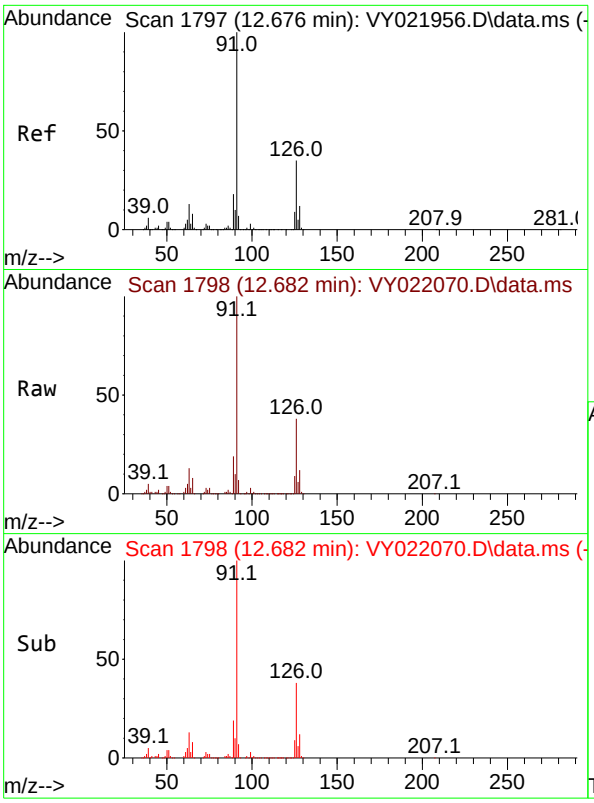


#78
n-propylbenzene
Concen: 49.435 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 91 Resp: 918969

Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.5

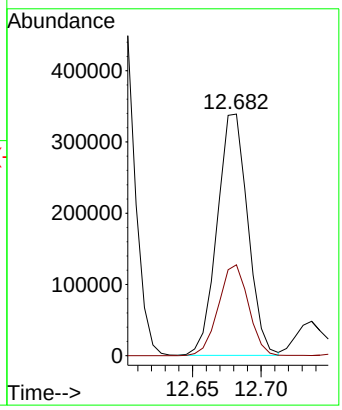




#79
2-Chlorotoluene
Concen: 48.782 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 91 Resp: 52737

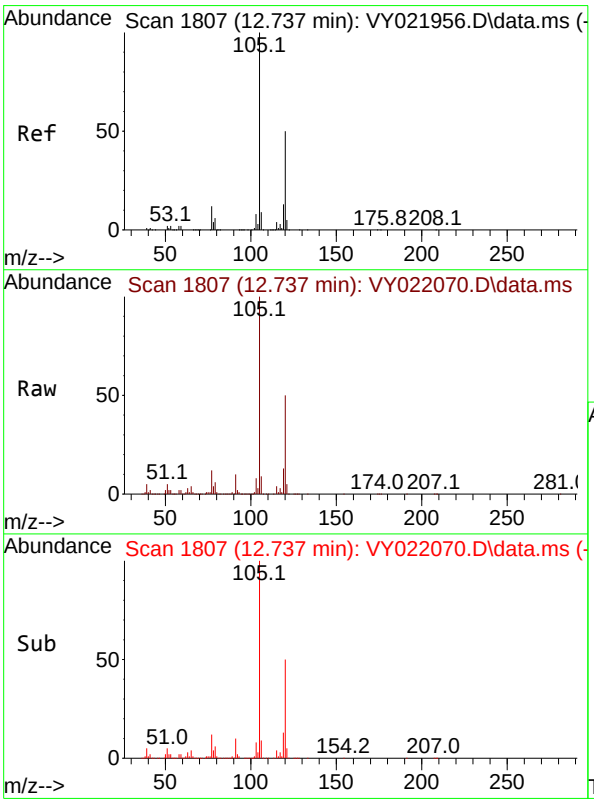
Ion	Ratio	Lower	Upper
91	100		
126	37.0	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

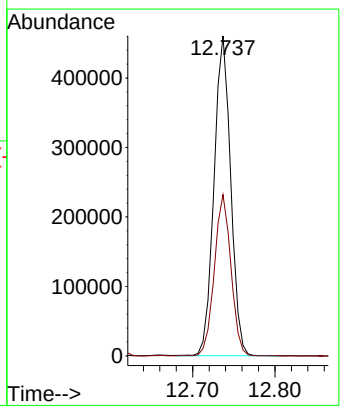
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

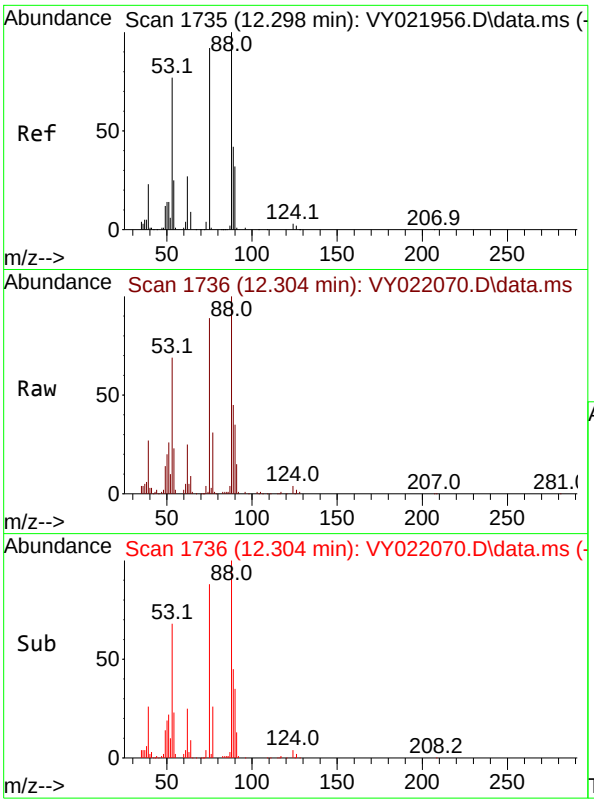


#80
1,3,5-Trimethylbenzene
Concen: 50.473 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:105 Resp: 649159

Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 49.837 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 4141

Ion	Ratio	Lower	Upper
75	100		
53	81.7	66.0	99.0
89	48.1	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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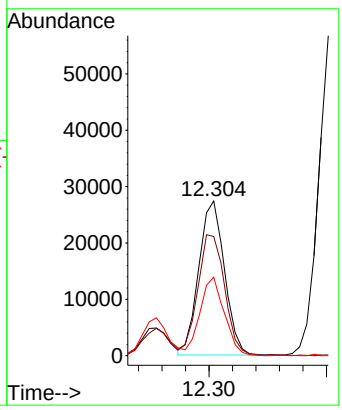
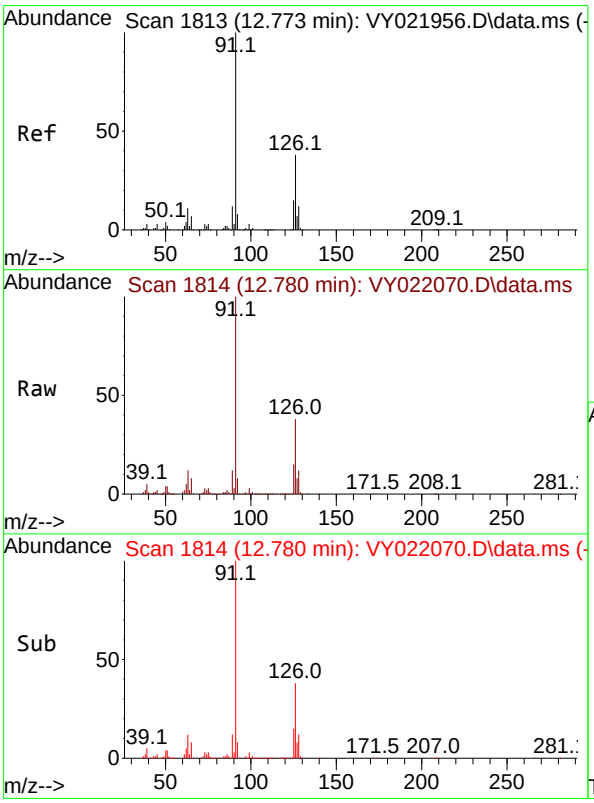
Supervised By :Mahesh Dadoda 05/05/2025

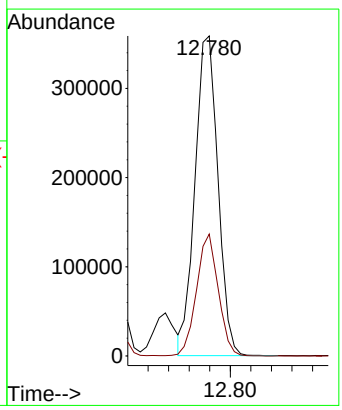


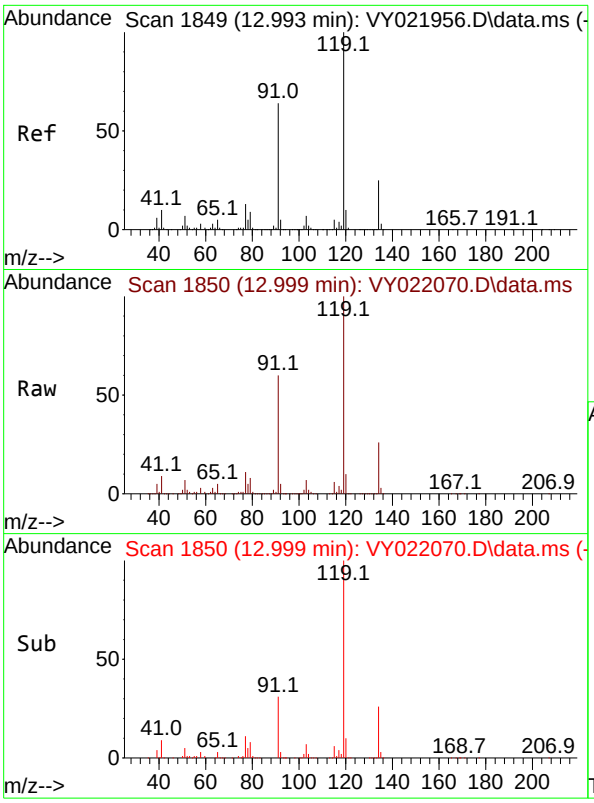


#82
4-Chlorotoluene
Concen: 49.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 91 Resp: 555914

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8





#83
tert-Butylbenzene
Concen: 50.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:119 Resp: 58367

Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.3	90.9
134	26.6	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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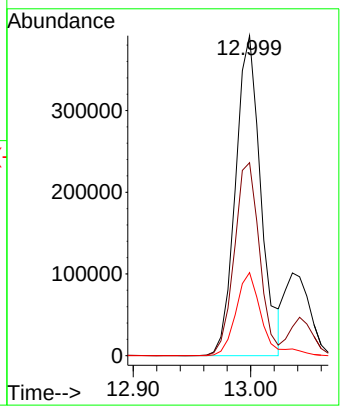
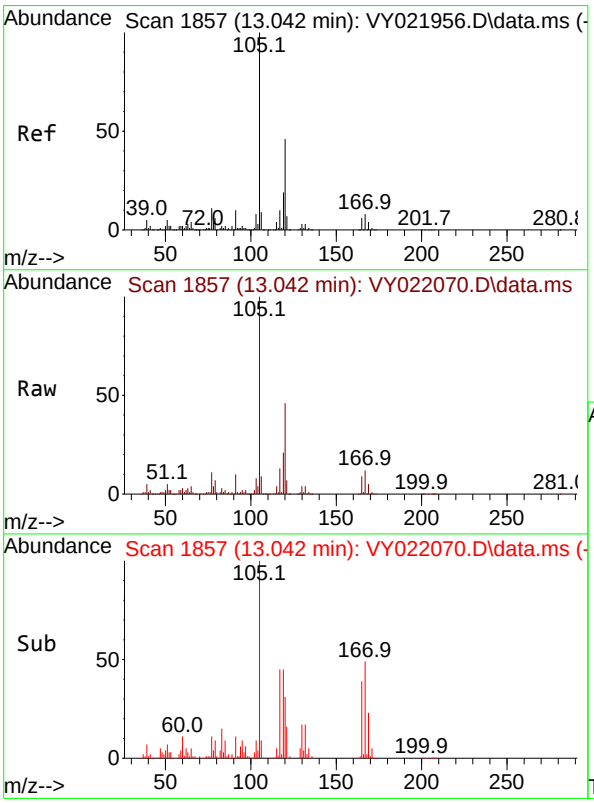
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

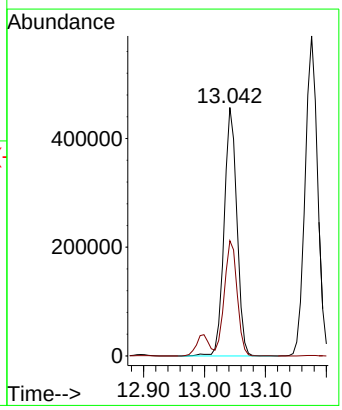


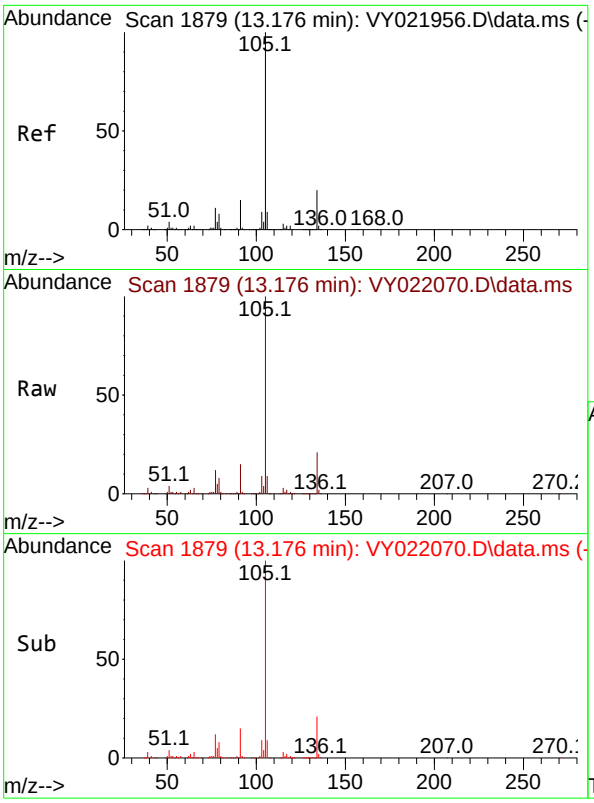


#84
1,2,4-Trimethylbenzene
Concen: 51.523 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:105 Resp: 662815

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0





#85
sec-Butylbenzene
Concen: 49.583 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

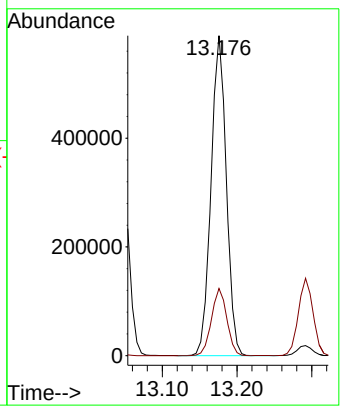
Tgt Ion:105 Resp: 83691

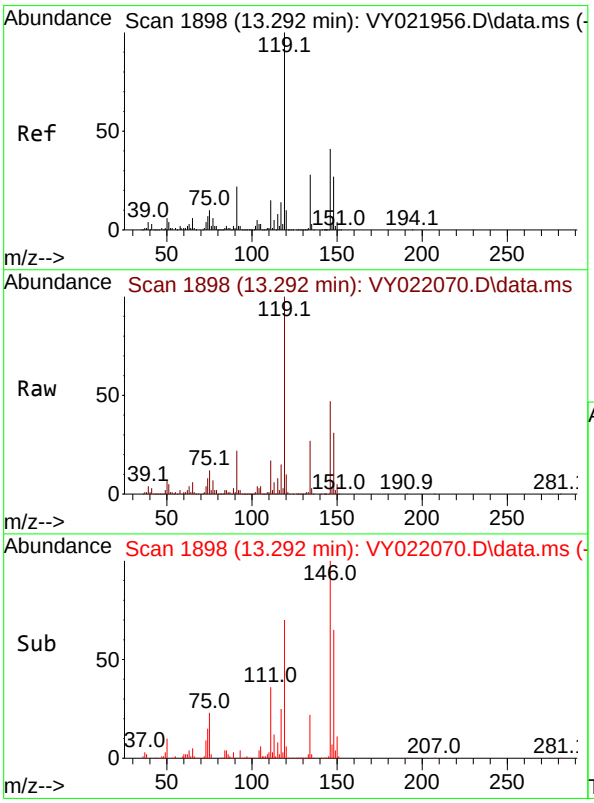
Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

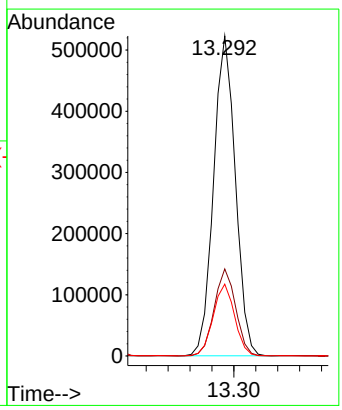


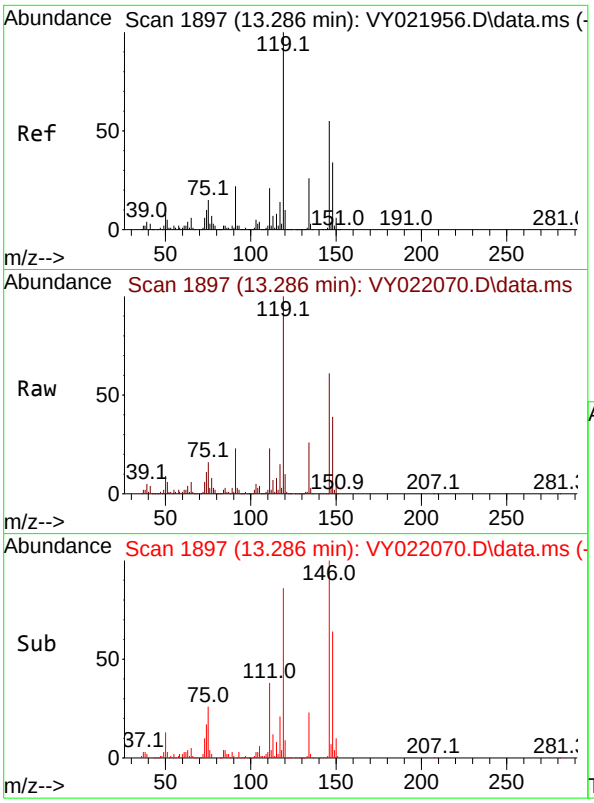


#86
p-Isopropyltoluene
Concen: 50.332 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:119 Resp: 721392

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.1	11.0	33.0

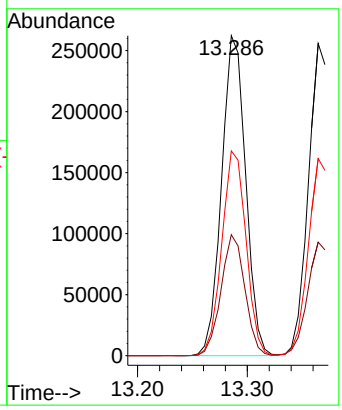




#87
1,3-Dichlorobenzene
Concen: 49.973 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:146 Resp: 40033

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	64.3	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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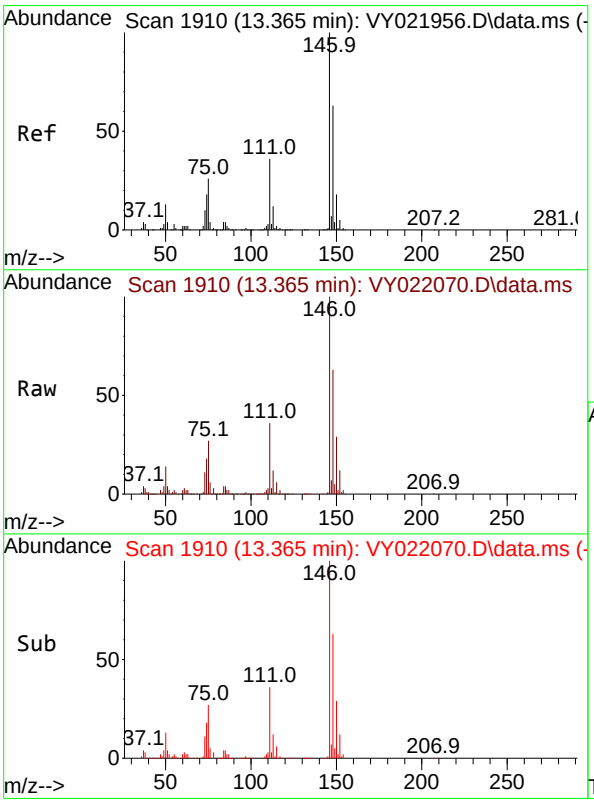
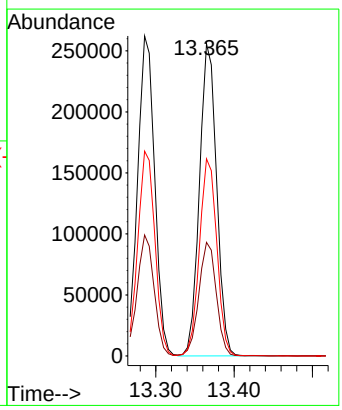
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

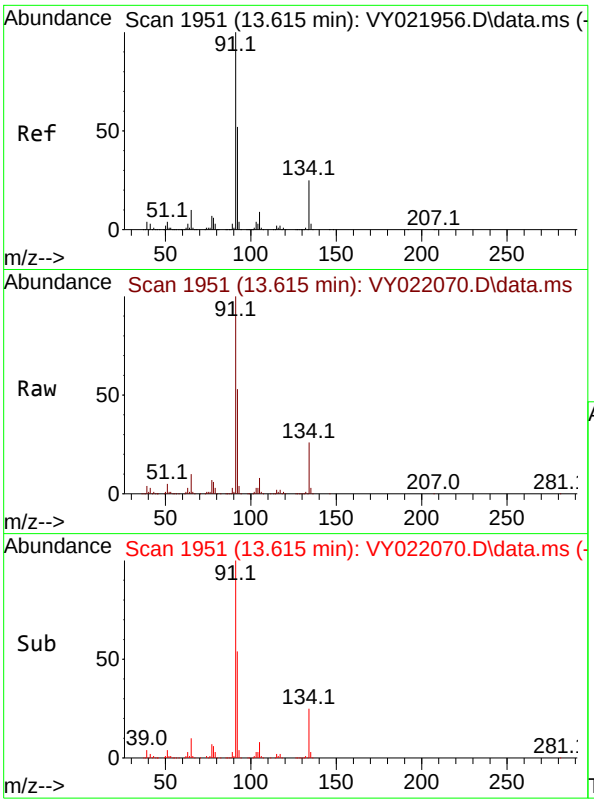


#88
1,4-Dichlorobenzene
Concen: 49.057 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:146 Resp: 389223

Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.2	57.6
148	64.1	32.0	96.0

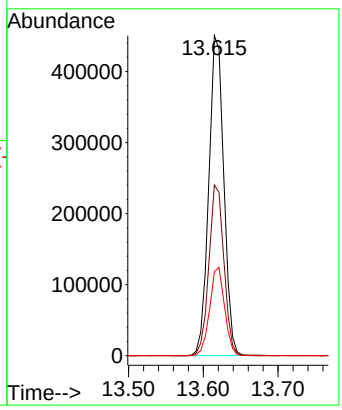




#89
n-Butylbenzene
Concen: 49.300 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 91 Resp: 63159

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	27.3	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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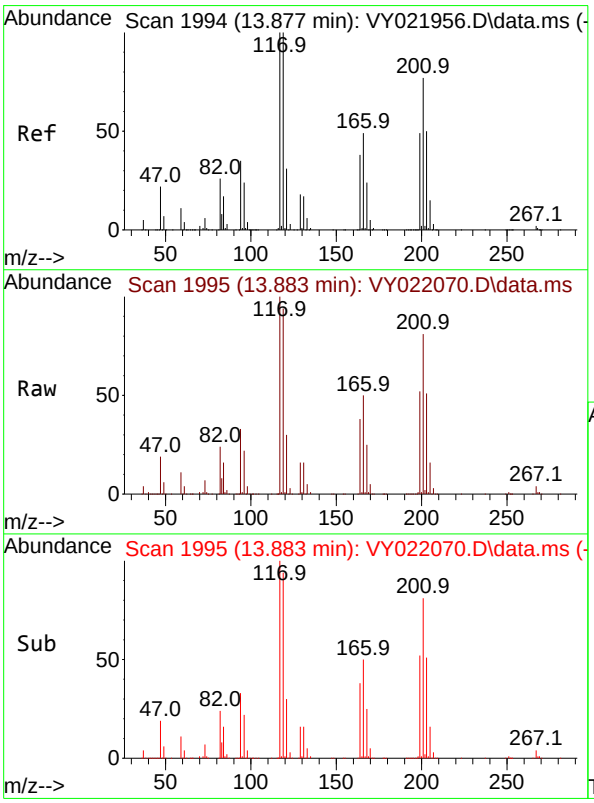
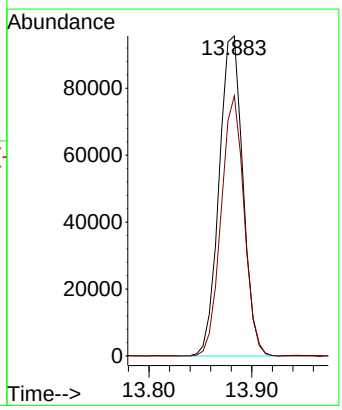
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

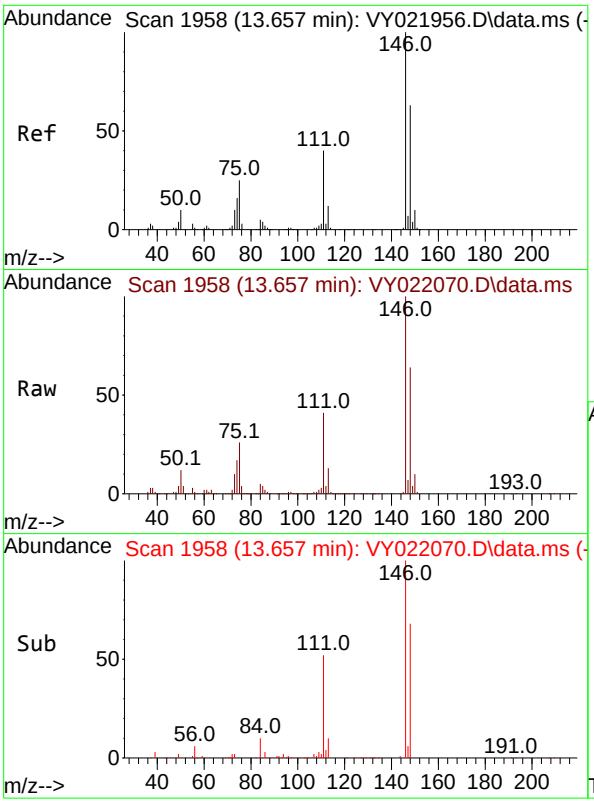


#90
Hexachloroethane
Concen: 48.750 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:117 Resp: 153517

Ion	Ratio	Lower	Upper
117	100		
201	78.4	38.7	116.1

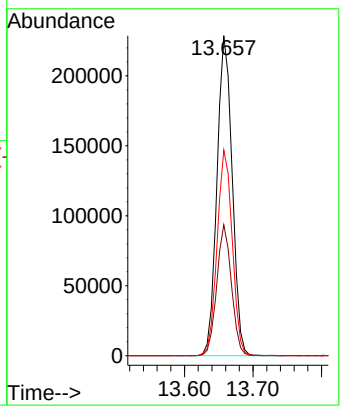




#91
1,2-Dichlorobenzene
Concen: 50.137 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:146 Resp: 35032

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	64.0	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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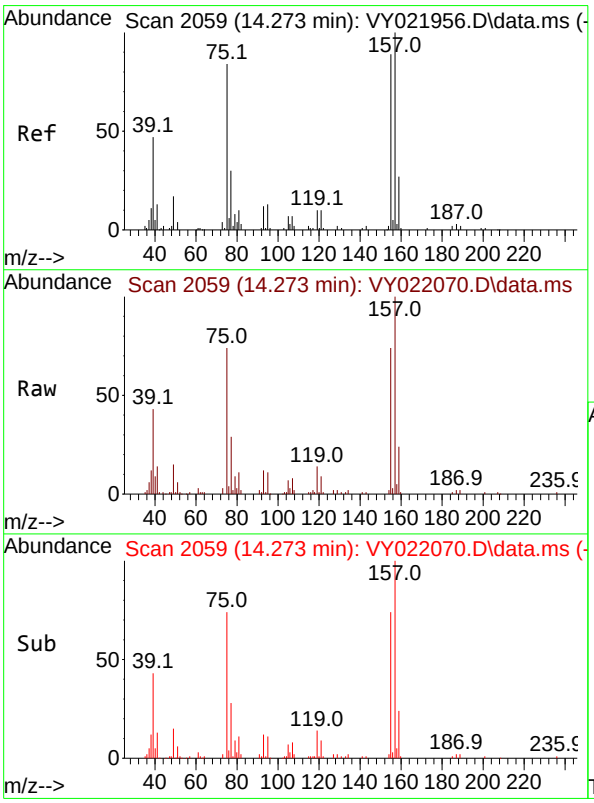
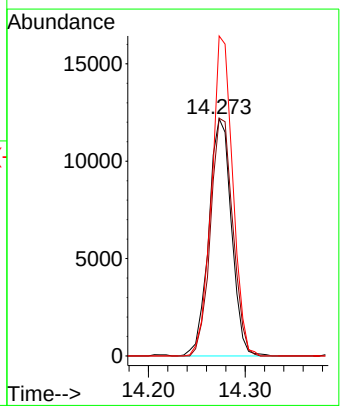
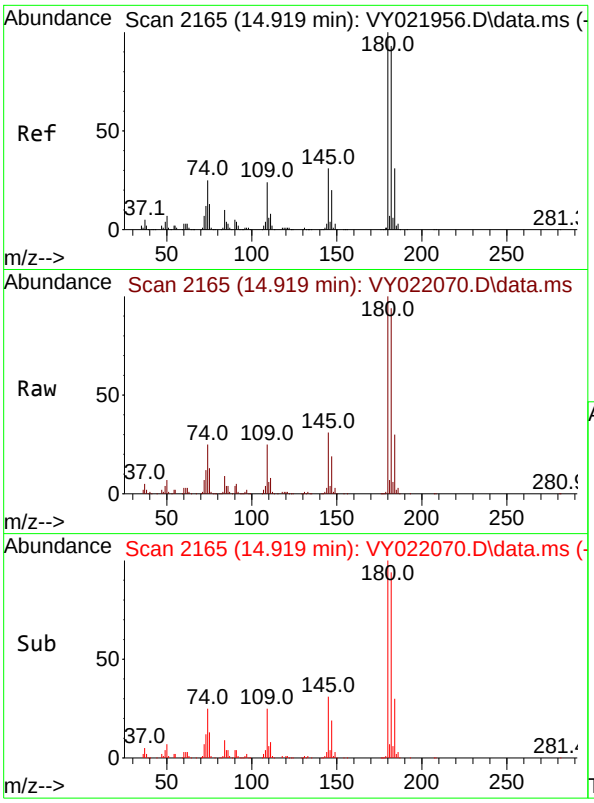


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.389 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 19842

Ion	Ratio	Lower	Upper
75	100		
155	98.3	50.7	152.3
157	125.8	62.6	187.8

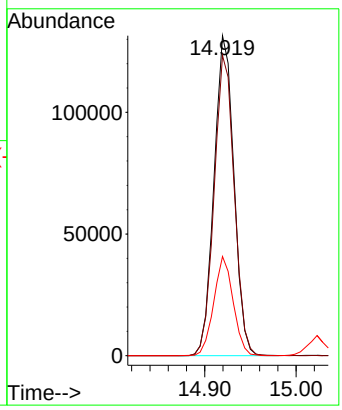




#93
1,2,4-Trichlorobenzene
Concen: 50.292 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:180 Resp: 19913

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.4
145	30.2	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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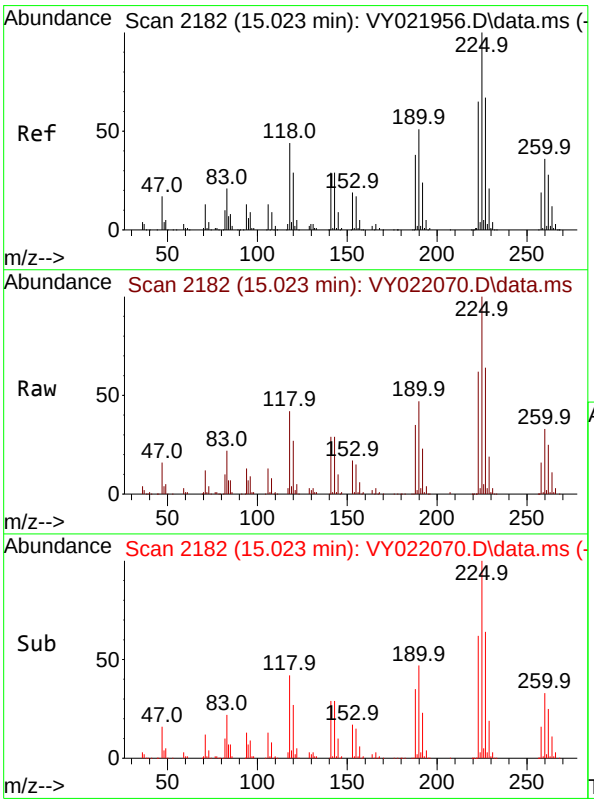
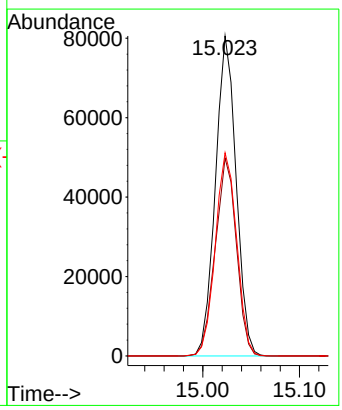
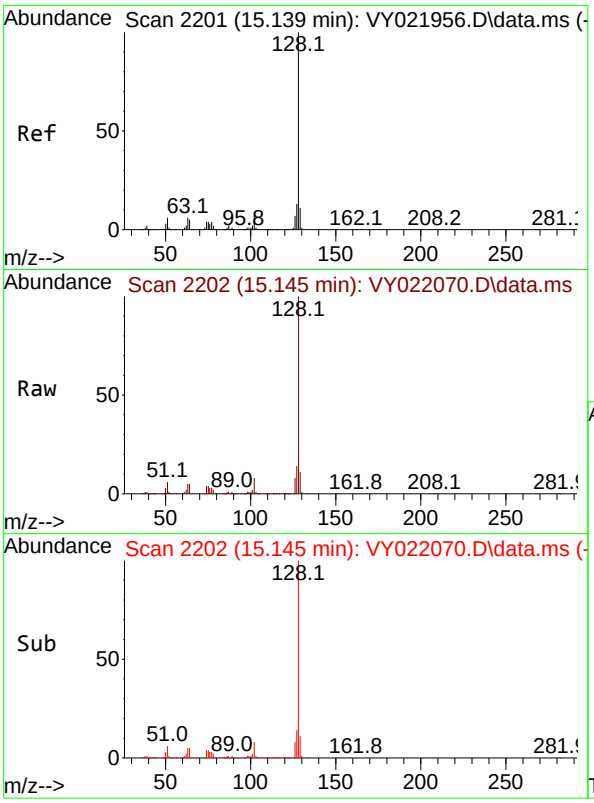


#94
Hexachlorobutadiene
Concen: 49.134 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:225 Resp: 119697

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	65.5	32.3	96.9

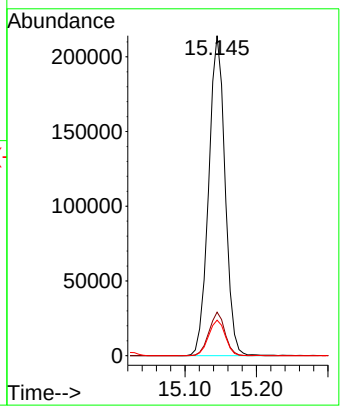




#95
Naphthalene
Concen: 51.796 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:128 Resp: 34067

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.3	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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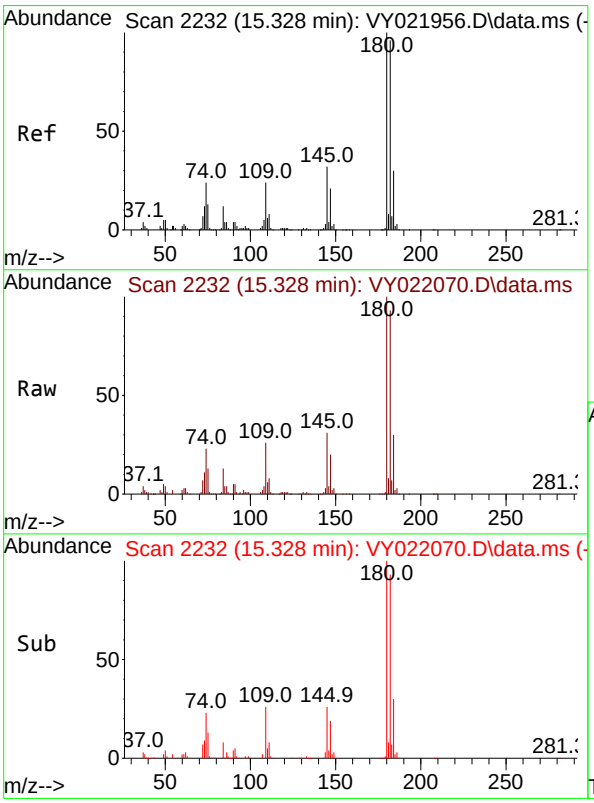
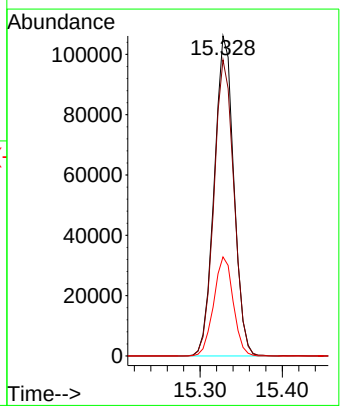


#96
1,2,3-Trichlorobenzene
Concen: 51.291 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:180 Resp: 175304

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.4
145	30.9	16.0	48.0



Sample Results: **VY022070.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
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 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.426	0.361	15.3	86	0.00
3	P	Chloromethane	0.607	0.597	1.6	92	0.00
4	C	Vinyl Chloride	0.745	0.723	3.0#	92	0.00
5	T	Bromomethane	0.642	0.627	2.3	98	0.00
6	T	Chloroethane	0.508	0.502	1.2	95	0.00
7	T	Trichlorofluoromethane	0.983	0.946	3.8	92	0.00
8	T	Diethyl Ether	0.256	0.232	9.4	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.496	6.9	94	0.00
10	T	Methyl Iodide	0.617	0.588	4.7	87	0.00
11	T	Tert butyl alcohol	0.025	0.024	4.0	84	0.00
12	CM	1,1-Dichloroethene	0.497	0.459	7.6#	91	0.00
13	T	Acrolein	0.046	0.037	19.6	80	0.00
14	T	Allyl chloride	0.579	0.524	9.5	88	0.00
15	T	Acrylonitrile	0.094	0.091	3.2	91	0.00
16	T	Acetone	0.070	0.061	12.9	89	0.00
17	T	Carbon Disulfide	1.585	1.443	9.0	90	0.00
18	T	Methyl Acetate	0.216	0.257	-19.0	107	0.00
19	T	Methyl tert-butyl Ether	1.113	1.095	1.6	90	0.00
20	T	Methylene Chloride	0.584	0.519	11.1	91	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.526	5.6	92	0.00
22	T	Diisopropyl ether	1.288	1.261	2.1	91	0.00
23	T	Vinyl Acetate	0.694	0.670	3.5	87	0.00
24	P	1,1-Dichloroethane	0.893	0.845	5.4	92	0.00
25	T	2-Butanone	0.105	0.102	2.9	90	0.00
26	T	2,2-Dichloropropane	0.782	0.754	3.6	95	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.600	3.5	91	0.00
28	T	Bromochloromethane	0.347	0.344	0.9	93	0.00
29	T	Tetrahydrofuran	0.068	0.069	-1.5	88	0.00
30	C	Chloroform	0.990	0.980	1.0#	95	0.00
31	T	Cyclohexane	0.763	0.696	8.8	92	0.00
32	T	1,1,1-Trichloroethane	0.896	0.866	3.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.441	4.5	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.330	0.337	-2.1	90	0.00
36	T	1,1-Dichloropropene	0.444	0.448	-0.9	92	0.00
37	T	Ethyl Acetate	0.159	0.162	-1.9	88	0.00
38	T	Carbon Tetrachloride	0.530	0.543	-2.5	94	0.00
39	T	Methylcyclohexane	0.558	0.556	0.4	89	0.00
40	TM	Benzene	1.387	1.433	-3.3	94	0.00
41	T	Methacrylonitrile	0.087	0.092	-5.7	87	0.00
42	TM	1,2-Dichloroethane	0.343	0.359	-4.7	94	0.00
43	T	Isopropyl Acetate	0.306	0.310	-1.3	87	0.00
44	TM	Trichloroethene	0.384	0.385	-0.3	92	0.00
45	C	1,2-Dichloropropane	0.307	0.321	-4.6#	94	0.00
46	T	Dibromomethane	0.192	0.206	-7.3	96	0.00
47	T	Bromodichloromethane	0.480	0.508	-5.8	95	0.00
48	T	Methyl methacrylate	0.141	0.154	-9.2	90	0.00

Sample Results: **VY022070.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
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 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	100	0.00
50	S	Toluene-d8	1.245	1.278	-2.7	88	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.181	-13.1	92	0.00
52	CM	Toluene	0.898	0.944	-5.1#	93	0.00
53	T	t-1,3-Dichloropropene	0.411	0.436	-6.1	92	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.515	-5.3	93	0.00
55	T	1,1,2-Trichloroethane	0.256	0.278	-8.6	95	0.00
56	T	Ethyl methacrylate	0.293	0.322	-9.9	89	0.00
57	T	1,3-Dichloropropane	0.411	0.437	-6.3	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.163	-14.0	89	0.00
59	T	2-Hexanone	0.106	0.121	-14.2	92	0.00
60	T	Dibromochloromethane	0.355	0.394	-11.0	98	0.00
61	T	1,2-Dibromoethane	0.242	0.266	-9.9	97	0.00
62	S	4-Bromofluorobenzene	0.419	0.436	-4.1	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.472	0.424	10.2	85	0.00
65	PM	Chlorobenzene	1.118	1.125	-0.6	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.408	-3.6	97	0.00
67	C	Ethyl Benzene	1.829	1.863	-1.9#	93	0.00
68	T	m/p-Xylenes	0.728	0.766	-5.2	96	0.00
69	T	o-Xylene	0.671	0.703	-4.8	94	0.00
70	T	Styrene	1.126	1.213	-7.7	95	0.00
71	P	Bromoform	0.229	0.245	-7.0	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.341	3.262	2.4	93	0.00
74	T	N-amyl acetate	0.574	0.534	7.0	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.583	-3.6	101	0.00
76	T	1,2,3-Trichloropropane	0.428	0.420	1.9	99	0.00
77	T	Bromobenzene	0.844	0.834	1.2	96	0.00
78	T	n-propylbenzene	3.978	3.933	1.1	94	0.00
79	T	2-Chlorotoluene	2.314	2.257	2.5	94	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.778	-0.9	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.177	0.6	95	0.00
82	T	4-Chlorotoluene	2.405	2.379	1.1	95	0.00
83	T	tert-Butylbenzene	2.468	2.498	-1.2	95	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.837	-3.1	97	0.00
85	T	sec-Butylbenzene	3.612	3.582	0.8	94	0.00
86	T	p-Isopropyltoluene	3.067	3.088	-0.7	95	0.00
87	T	1,3-Dichlorobenzene	1.714	1.713	0.1	99	0.00
88	T	1,4-Dichlorobenzene	1.698	1.666	1.9	98	0.00
89	T	n-Butylbenzene	2.742	2.703	1.4	94	0.00
90	T	Hexachloroethane	0.674	0.657	2.5	98	0.00
91	T	1,2-Dichlorobenzene	1.495	1.499	-0.3	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.085	5.6	96	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.852	-0.6	98	0.00
94	T	Hexachlorobutadiene	0.521	0.512	1.7	101	0.00
95	T	Naphthalene	1.408	1.458	-3.6	96	0.00

Sample Results: **VY022070.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
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 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.750	-2.6	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022070.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
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 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	42.366	15.3	86	0.00
3	P	Chloromethane	50.000	49.217	1.6	92	0.00
4	C	Vinyl Chloride	50.000	48.485	3.0#	92	0.00
5	T	Bromomethane	50.000	48.836	2.3	98	0.00
6	T	Chloroethane	50.000	49.426	1.1	95	0.00
7	T	Trichlorofluoromethane	50.000	48.131	3.7	92	0.00
8	T	Diethyl Ether	50.000	45.309	9.4	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.461	7.1	94	0.00
10	T	Methyl Iodide	50.000	47.649	4.7	87	0.00
11	T	Tert butyl alcohol	250.000	232.610	7.0	84	0.00
12	CM	1,1-Dichloroethene	50.000	46.160	7.7#	91	0.00
13	T	Acrolein	250.000	200.739	19.7	80	0.00
14	T	Allyl chloride	50.000	45.279	9.4	88	0.00
15	T	Acrylonitrile	250.000	242.384	3.0	91	0.00
16	T	Acetone	250.000	250.445	-0.2	89	0.00
17	T	Carbon Disulfide	50.000	45.535	8.9	90	0.00
18	T	Methyl Acetate	50.000	59.556	-19.1	107	0.00
19	T	Methyl tert-butyl Ether	50.000	49.235	1.5	90	0.00
20	T	Methylene Chloride	50.000	44.420	11.2	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.234	5.5	92	0.00
22	T	Diisopropyl ether	50.000	48.962	2.1	91	0.00
23	T	Vinyl Acetate	250.000	241.385	3.4	87	0.00
24	P	1,1-Dichloroethane	50.000	47.305	5.4	92	0.00
25	T	2-Butanone	250.000	243.287	2.7	90	0.00
26	T	2,2-Dichloropropane	50.000	48.194	3.6	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.217	3.6	91	0.00
28	T	Bromochloromethane	50.000	49.578	0.8	93	0.00
29	T	Tetrahydrofuran	250.000	253.279	-1.3	88	0.00
30	C	Chloroform	50.000	49.480	1.0#	95	0.00
31	T	Cyclohexane	50.000	45.589	8.8	92	0.00
32	T	1,1,1-Trichloroethane	50.000	48.346	3.3	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.797	4.4	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	51.071	-2.1	90	0.00
36	T	1,1-Dichloropropene	50.000	50.518	-1.0	92	0.00
37	T	Ethyl Acetate	50.000	50.914	-1.8	88	0.00
38	T	Carbon Tetrachloride	50.000	51.231	-2.5	94	0.00
39	T	Methylcyclohexane	50.000	49.776	0.4	89	0.00
40	TM	Benzene	50.000	51.650	-3.3	94	0.00
41	T	Methacrylonitrile	50.000	52.602	-5.2	87	0.00
42	TM	1,2-Dichloroethane	50.000	52.289	-4.6	94	0.00
43	T	Isopropyl Acetate	50.000	50.705	-1.4	87	0.00
44	TM	Trichloroethene	50.000	50.102	-0.2	92	0.00
45	C	1,2-Dichloropropane	50.000	52.280	-4.6#	94	0.00
46	T	Dibromomethane	50.000	53.622	-7.2	96	0.00
47	T	Bromodichloromethane	50.000	52.951	-5.9	95	0.00
48	T	Methyl methacrylate	50.000	54.519	-9.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
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 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	1132.484	-13.2	100	0.00
50	S	Toluene-d8	50.000	51.302	-2.6	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	282.021	-12.8	92	0.00
52	CM	Toluene	50.000	52.558	-5.1#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	52.943	-5.9	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.602	-5.2	93	0.00
55	T	1,1,2-Trichloroethane	50.000	54.162	-8.3	95	0.00
56	T	Ethyl methacrylate	50.000	54.864	-9.7	89	0.00
57	T	1,3-Dichloropropane	50.000	53.116	-6.2	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.170	-13.7	89	0.00
59	T	2-Hexanone	250.000	285.628	-14.3	92	0.00
60	T	Dibromochloromethane	50.000	55.529	-11.1	98	0.00
61	T	1,2-Dibromoethane	50.000	54.866	-9.7	97	0.00
62	S	4-Bromofluorobenzene	50.000	51.957	-3.9	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	44.986	10.0	85	0.00
65	PM	Chlorobenzene	50.000	50.303	-0.6	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.798	-3.6	97	0.00
67	C	Ethyl Benzene	50.000	50.916	-1.8#	93	0.00
68	T	m/p-Xylenes	100.000	105.256	-5.3	96	0.00
69	T	o-Xylene	50.000	52.408	-4.8	94	0.00
70	T	Styrene	50.000	53.858	-7.7	95	0.00
71	P	Bromoform	50.000	53.605	-7.2	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	48.826	2.3	93	0.00
74	T	N-amyl acetate	50.000	46.530	6.9	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.775	-3.5	101	0.00
76	T	1,2,3-Trichloropropane	50.000	49.063	1.9	99	0.00
77	T	Bromobenzene	50.000	49.414	1.2	96	0.00
78	T	n-propylbenzene	50.000	49.435	1.1	94	0.00
79	T	2-Chlorotoluene	50.000	48.782	2.4	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.473	-0.9	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.837	0.3	95	0.00
82	T	4-Chlorotoluene	50.000	49.467	1.1	95	0.00
83	T	tert-Butylbenzene	50.000	50.602	-1.2	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.523	-3.0	97	0.00
85	T	sec-Butylbenzene	50.000	49.583	0.8	94	0.00
86	T	p-Isopropyltoluene	50.000	50.332	-0.7	95	0.00
87	T	1,3-Dichlorobenzene	50.000	49.973	0.1	99	0.00
88	T	1,4-Dichlorobenzene	50.000	49.057	1.9	98	0.00
89	T	n-Butylbenzene	50.000	49.300	1.4	94	0.00
90	T	Hexachloroethane	50.000	48.750	2.5	98	0.00
91	T	1,2-Dichlorobenzene	50.000	50.137	-0.3	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.389	5.2	96	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.292	-0.6	98	0.00
94	T	Hexachlorobutadiene	50.000	49.134	1.7	101	0.00
95	T	Naphthalene	50.000	51.796	-3.6	96	0.00

Sample Results: **VY022070.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
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 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	51.291	-2.6	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022093.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/30/2025 19:25

Lab File ID: VY022093.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.377		-11.5	50
Chloromethane	0.607	0.596	0.1	-1.81	50
Vinyl Chloride	0.745	0.742		-0.4	50
Bromomethane	0.642	0.571		-11.06	50
Chloroethane	0.508	0.491		-3.35	50
Tetrahydrofuran	0.068	0.073		7.35	50
Trichlorofluoromethane	0.983	0.955		-2.85	50
1,1,2-Trichlorotrifluoroethane	0.533	0.494		-7.32	50
1,1-Dichloroethene	0.497	0.485		-2.41	50
Acrylonitrile	0.094	0.098		4.26	50
Acetone	0.070	0.066		-5.71	50
Carbon Disulfide	1.585	1.507		-4.92	50
Methyl tert-butyl Ether	1.113	1.161		4.31	50
Methylene Chloride	0.584	0.555		-4.97	50
trans-1,2-Dichloroethene	0.557	0.574		3.05	50
1,1-Dichloroethane	0.893	0.898	0.1	0.56	50
2-Butanone	0.105	0.108		2.86	50
Carbon Tetrachloride	0.530	0.530		0	50
2,2-Dichloropropane	0.782	0.671		-14.19	50
cis-1,2-Dichloroethene	0.622	0.650		4.5	50
Chloroform	0.990	1.025		3.54	50
1,1,1-Trichloroethane	0.896	0.896		0	50
1,1-Dichloropropene	0.444	0.442		-0.45	50
Benzene	1.387	1.437		3.61	50
1,2-Dichloroethane	0.343	0.352		2.62	50
Trichloroethene	0.384	0.397		3.38	50
1,2-Dichloropropane	0.307	0.316		2.93	50
Dibromomethane	0.192	0.203		5.73	50
Bromodichloromethane	0.480	0.510		6.25	50
4-Methyl-2-Pentanone	0.160	0.178		11.25	50
Toluene	0.898	0.954		6.24	50
t-1,3-Dichloropropene	0.411	0.419		1.95	50
cis-1,3-Dichloropropene	0.489	0.498		1.84	50
1,1,2-Trichloroethane	0.256	0.277		8.2	50
1,3-Dichloropropane	0.411	0.441		7.3	50
2-Hexanone	0.106	0.118		11.32	50
Dibromochloromethane	0.355	0.385		8.45	50
1,2-Dibromoethane	0.242	0.261		7.85	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022093.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 04/30/2025 19:25

Lab File ID: VY022093.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.484		2.54	50
Chlorobenzene	1.118	1.121	0.3	0.27	50
1,1,1,2-Tetrachloroethane	0.394	0.404		2.54	50
Ethyl Benzene	1.829	1.891		3.39	50
m/p-Xylenes	0.728	0.753		3.43	50
o-Xylene	0.671	0.704		4.92	50
Styrene	1.126	1.211		7.55	50
Bromoform	0.229	0.245	0.1	6.99	50
Isopropylbenzene	3.341	3.316		-0.75	50
1,1,2,2-Tetrachloroethane	0.563	0.551	0.3	-2.13	50
1,2,3-Trichloropropane	0.428	0.375		-12.38	50
Bromobenzene	0.844	0.841		-0.35	50
n-propylbenzene	3.978	3.894		-2.11	50
2-Chlorotoluene	2.314	2.265		-2.12	50
1,3,5-Trimethylbenzene	2.752	2.752		0	50
4-Chlorotoluene	2.405	2.345		-2.49	50
tert-Butylbenzene	2.469	2.479		0.41	50
1,2,4-Trimethylbenzene	2.753	2.764		0.4	50
sec-Butylbenzene	3.612	3.546		-1.83	50
p-Isopropyltoluene	3.067	3.010		-1.86	50
1,3-Dichlorobenzene	1.714	1.673		-2.39	50
1,4-Dichlorobenzene	1.698	1.643		-3.24	50
n-Butylbenzene	2.742	2.598		-5.25	50
1,2-Dichlorobenzene	1.495	1.482		-0.87	50
1,2-Dibromo-3-Chloropropane	0.090	0.084		-6.67	50
1,2,4-Trichlorobenzene	0.847	0.817		-3.54	50
Hexachlorobutadiene	0.521	0.484		-7.1	50
1,2,3-Trichlorobenzene	0.731	0.717		-1.91	50
1,2-Dichloroethane-d4	0.462	0.469		1.51	50
Dibromofluoromethane	0.330	0.334		1.21	50
Toluene-d8	1.245	1.294		3.94	50
4-Bromofluorobenzene	0.419	0.441		5.25	50
trans-1,4-Dichloro-2-butene	0.178	0.155		-12.92	50

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\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	279787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	434114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	413341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	131210	50.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.540%			
35) Dibromofluoromethane	7.634	113	144859	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.103	98	561844	51.963	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.401	95	191468	52.603	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	105549	44.273	ug/l	96
3) Chloromethane	2.062	50	166711	49.110	ug/l	97
4) Vinyl Chloride	2.196	62	207563	49.757	ug/l	100
5) Bromomethane	2.592	94	159852	44.478	ug/l	100
6) Chloroethane	2.726	64	137426	48.372	ug/l	99
7) Trichlorofluoromethane	3.049	101	267089	48.555	ug/l	96
8) Diethyl Ether	3.452	74	71740	50.107	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	138291	46.344	ug/l	98
10) Methyl Iodide	4.000	142	184517	53.408	ug/l	99
11) Tert butyl alcohol	4.866	59	35756	252.019	ug/l #	85
12) 1,1-Dichloroethene	3.781	96	135740	48.803	ug/l	98
13) Acrolein	3.647	56	48349	189.869	ug/l	98
14) Allyl chloride	4.378	41	159760	49.330	ug/l	98
15) Acrylonitrile	5.055	53	136635	260.682	ug/l	99
16) Acetone	3.872	43	91946	273.850	ug/l	99
17) Carbon Disulfide	4.098	76	421617	47.541	ug/l	99
18) Methyl Acetate	4.378	43	90898	75.296	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	324886	52.188	ug/l	99
20) Methylene Chloride	4.610	84	155271	47.515	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	160468	51.515	ug/l	99
22) Diisopropyl ether	6.018	45	376056	52.178	ug/l	98
23) Vinyl Acetate	5.957	43	938715	241.676	ug/l	99
24) 1,1-Dichloroethane	5.909	63	251268	50.297	ug/l	99
25) 2-Butanone	6.890	43	151151	256.584	ug/l	98
26) 2,2-Dichloropropane	6.884	77	187753	42.880	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	181768	52.187	ug/l	97
28) Bromochloromethane	7.238	49	93915	48.399	ug/l	95
29) Tetrahydrofuran	7.262	42	102334	267.468	ug/l	97
30) Chloroform	7.420	83	286876	51.770	ug/l	99
31) Cyclohexane	7.701	56	197506	46.232	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	250695	50.005	ug/l	99
36) 1,1-Dichloropropene	7.829	75	191957	49.827	ug/l	99
37) Ethyl Acetate	6.988	43	67968	49.123	ug/l	97
38) Carbon Tetrachloride	7.817	117	230120	49.989	ug/l	98
39) Methylcyclohexane	9.103	83	234423	48.353	ug/l	95
40) Benzene	8.079	78	624003	51.816	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	38382	50.746	ug/l	#	89
42) 1,2-Dichloroethane	8.152	62	152663	51.202	ug/l		100
43) Isopropyl Acetate	8.195	43	137038	51.574	ug/l		99
44) Trichloroethene	8.865	130	172407	51.686	ug/l		98
45) 1,2-Dichloropropane	9.140	63	137332	51.567	ug/l		99
46) Dibromomethane	9.231	93	88131	52.864	ug/l		99
47) Bromodichloromethane	9.420	83	221221	53.118	ug/l		99
48) Methyl methacrylate	9.219	41	65076	52.979	ug/l		95
49) 1,4-Dioxane	9.231	88	19258	1083.807	ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	386602	277.552	ug/l		100
52) Toluene	10.170	92	413973	53.105	ug/l		99
53) t-1,3-Dichloropropene	10.389	75	181922	50.926	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	215998	50.866	ug/l		98
55) 1,1,2-Trichloroethane	10.566	97	120188	53.971	ug/l		99
56) Ethyl methacrylate	10.438	69	137995	54.188	ug/l		99
57) 1,3-Dichloropropane	10.713	76	191602	53.670	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	346335	278.156	ug/l		99
59) 2-Hexanone	10.755	43	256011	278.656	ug/l		99
60) Dibromochloromethane	10.908	129	167319	54.270	ug/l		99
61) 1,2-Dibromoethane	11.011	107	113497	53.986	ug/l		98
64) Tetrachloroethene	10.646	164	200262	51.358	ug/l		99
65) Chlorobenzene	11.438	112	463472	50.141	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	167141	51.362	ug/l		99
67) Ethyl Benzene	11.517	91	781741	51.700	ug/l		99
68) m/p-Xylenes	11.627	106	622156	103.402	ug/l		100
69) o-Xylene	11.950	106	291176	52.505	ug/l		100
70) Styrene	11.968	104	500569	53.759	ug/l		100
71) Bromoform	12.127	173	101109	53.441	ug/l	#	98
73) Isopropylbenzene	12.255	105	752047	49.631	ug/l		100
74) N-amyl acetate	12.066	43	120555	46.307	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	124934	48.903	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	85118m	43.815	ug/l		
77) Bromobenzene	12.529	156	190775	49.825	ug/l		98
78) n-propylbenzene	12.590	91	883060	48.936	ug/l		100
79) 2-Chlorotoluene	12.676	91	513695	48.949	ug/l		99
80) 1,3,5-Trimethylbenzene	12.730	105	624160	49.993	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	35247	43.692	ug/l		98
82) 4-Chlorotoluene	12.773	91	531810	48.749	ug/l		98
83) tert-Butylbenzene	12.993	119	562168	50.206	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	626953	50.205	ug/l		100
85) sec-Butylbenzene	13.176	105	804127	49.077	ug/l		100
86) p-Isopropyltoluene	13.291	119	682689	49.067	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	379414	48.789	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	372692	48.390	ug/l		99
89) n-Butylbenzene	13.614	91	589280	47.384	ug/l		100
90) Hexachloroethane	13.877	117	145885	47.724	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	336060	49.546	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19056	46.884	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	185351	48.224	ug/l		100
94) Hexachlorobutadiene	15.023	225	109687	46.383	ug/l		99
95) Naphthalene	15.145	128	325878	51.039	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	162616	49.013	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

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

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

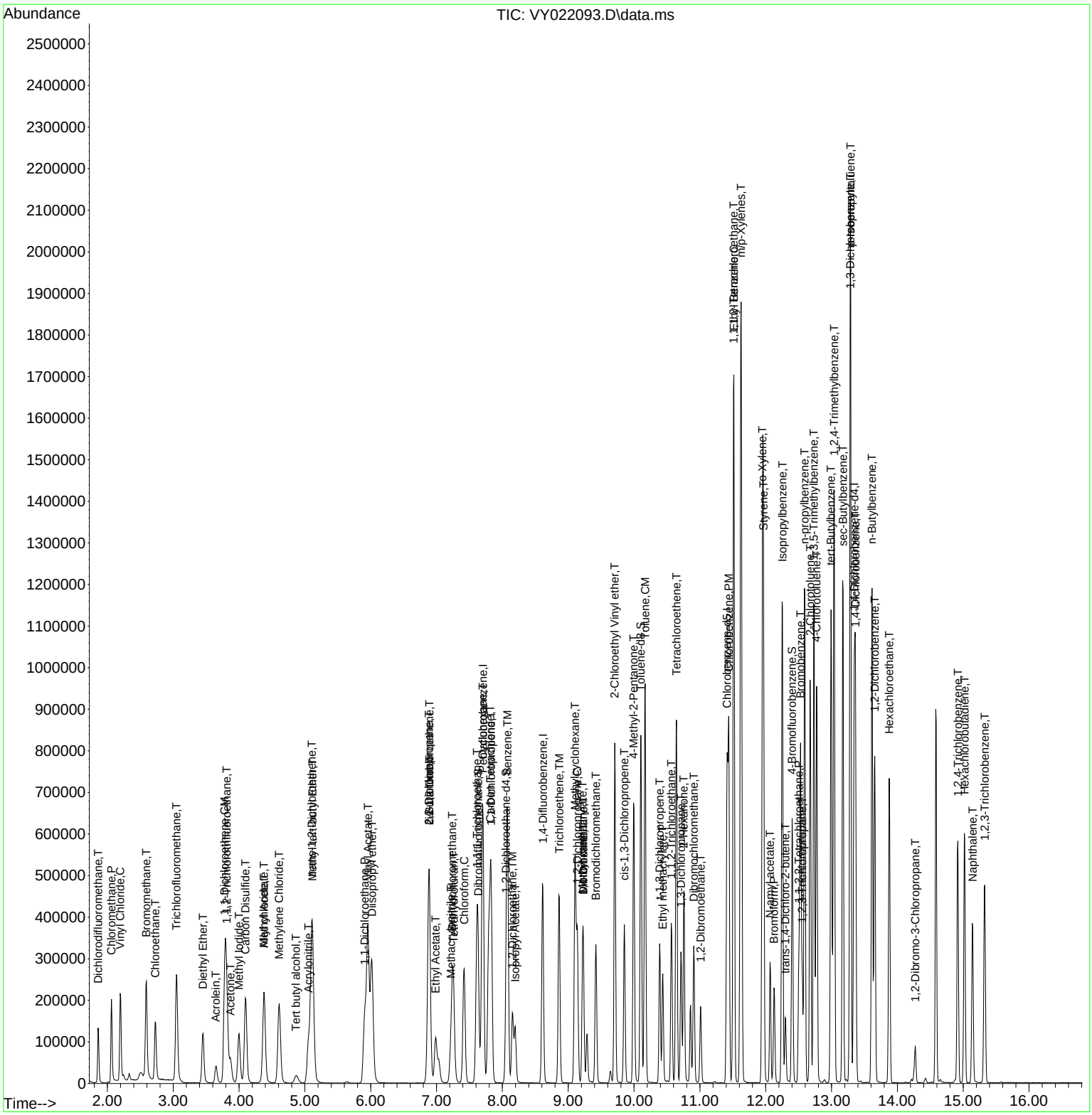
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

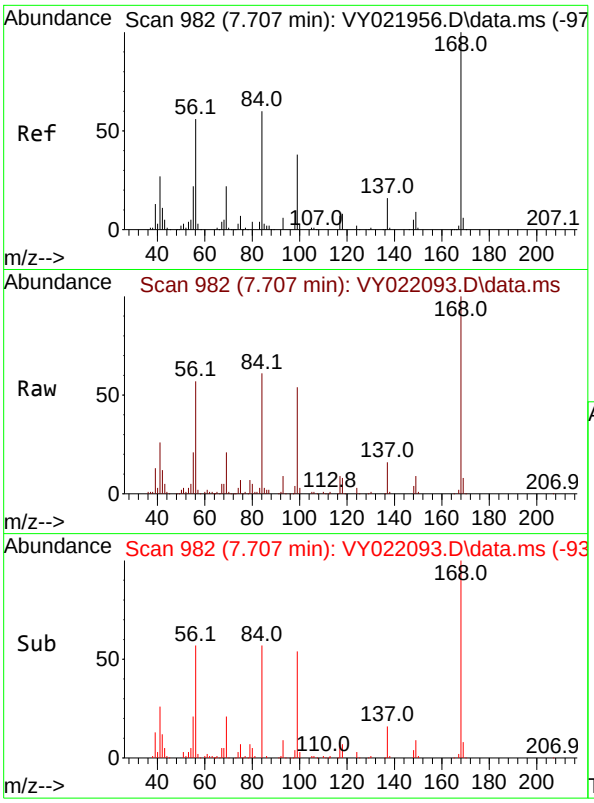
Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

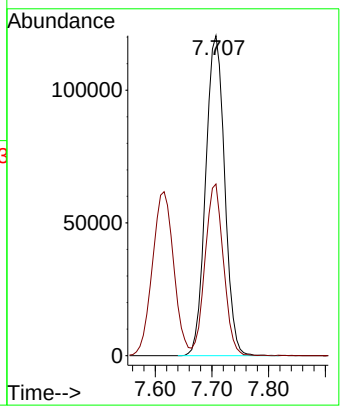




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:168 Resp: 27978

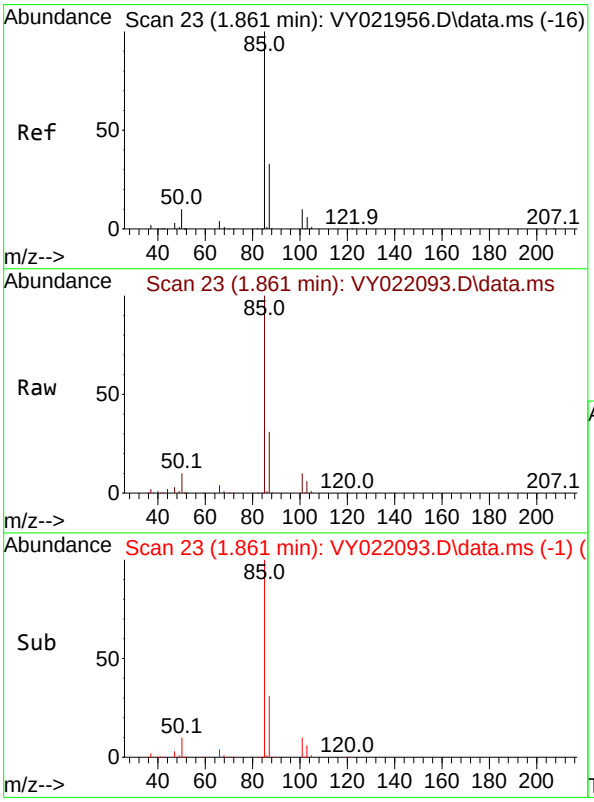
Ion	Ratio	Lower	Upper
168	100		
99	53.5	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

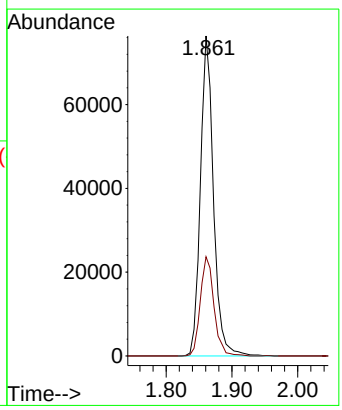
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

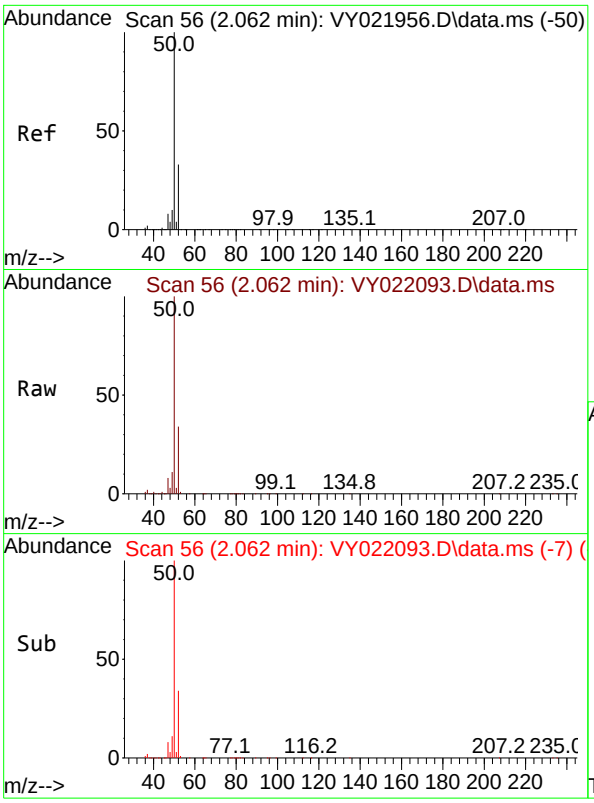


#2
Dichlorodifluoromethane
Concen: 44.273 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 85 Resp: 105549

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.6	49.7





#3
Chloromethane
Concen: 49.110 ug/l
RT: 2.062 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

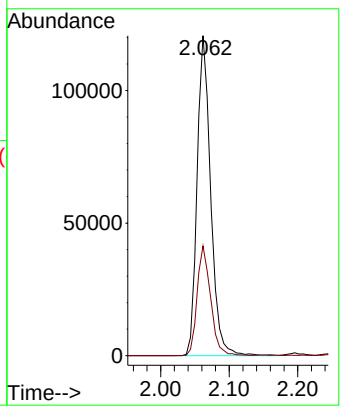
Tgt Ion: 50 Resp: 16671

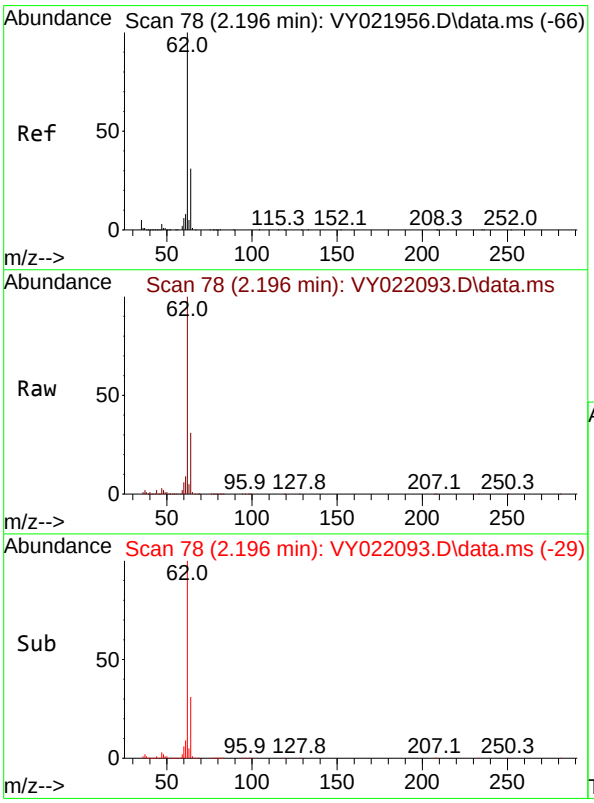
Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

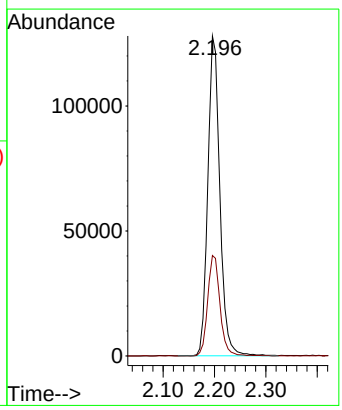


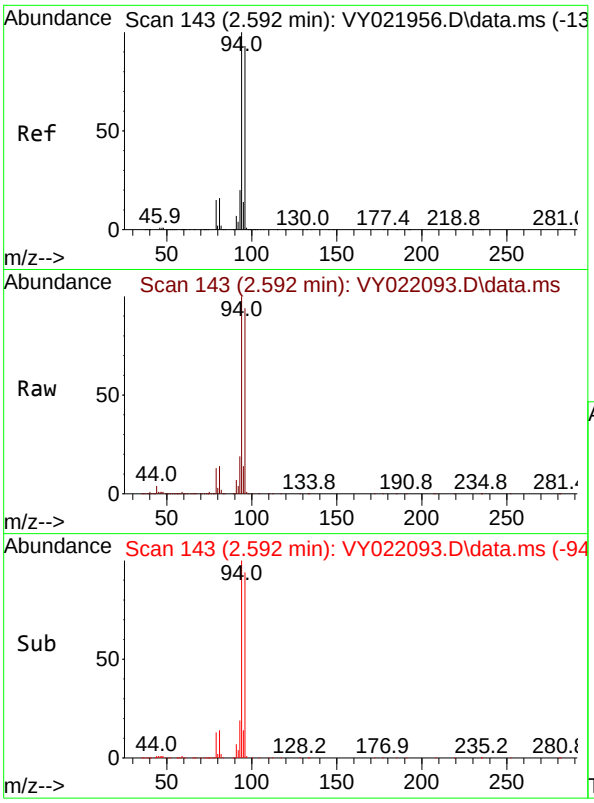


#4
Vinyl Chloride
Concen: 49.757 ug/l
RT: 2.196 min Scan# 78
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 62 Resp: 207563

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.1	37.7

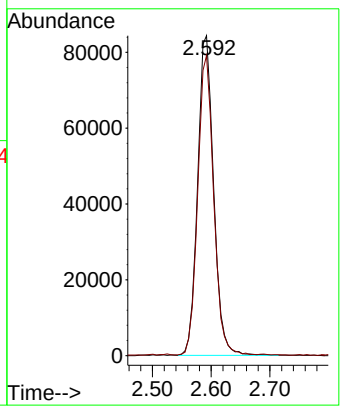




#5
Bromomethane
Concen: 44.478 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 94 Resp: 15985

Ion	Ratio	Lower	Upper
94	100		
96	93.6	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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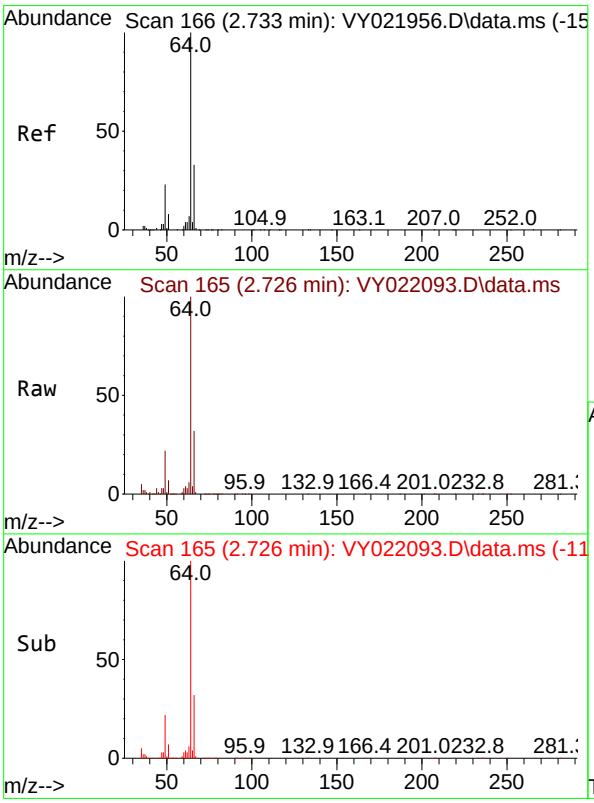
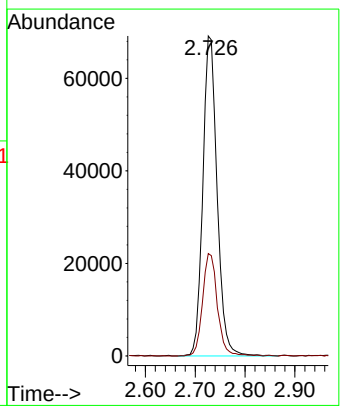
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

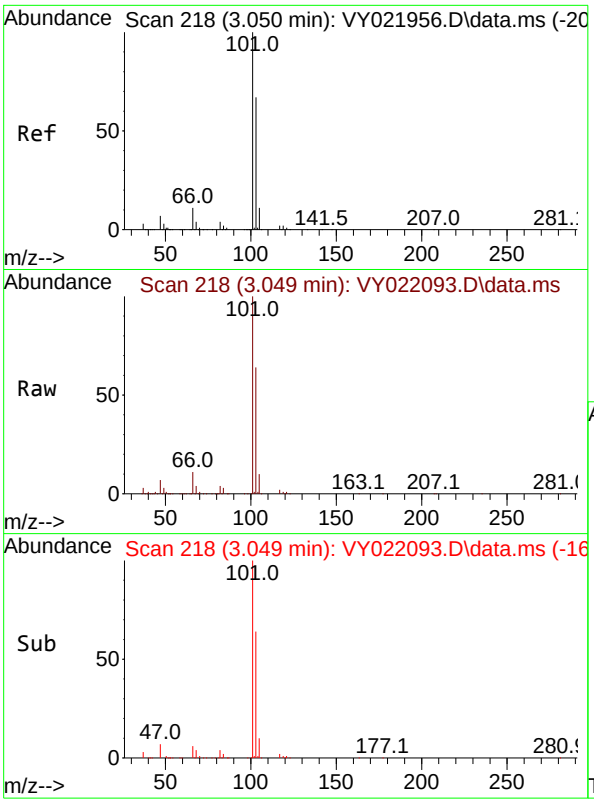


#6
Chloroethane
Concen: 48.372 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 64 Resp: 137426

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4

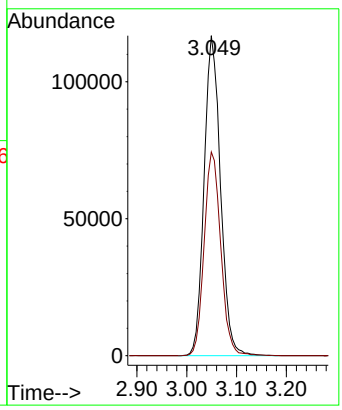




#7
Trichlorofluoromethane
Concen: 48.555 ug/l
RT: 3.049 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:101 Resp: 26708

Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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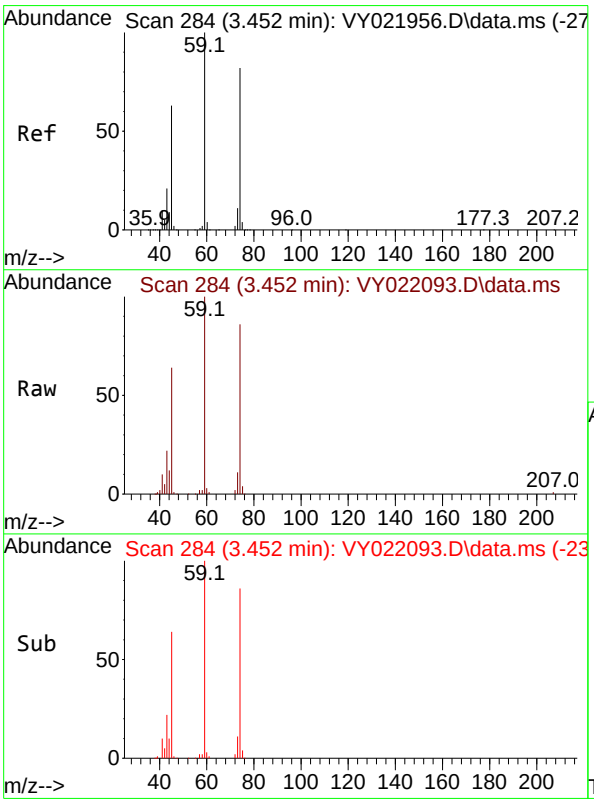
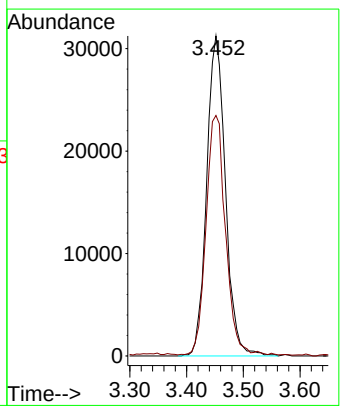
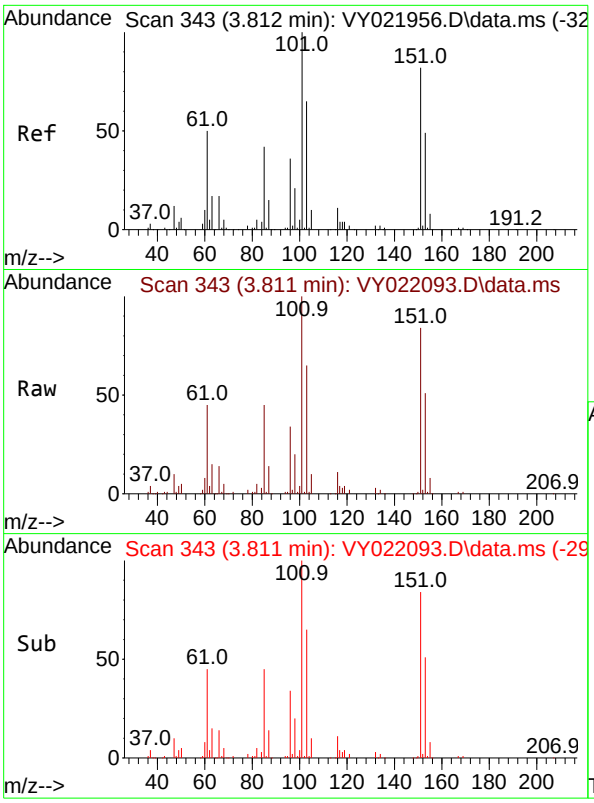


#8
Diethyl Ether
Concen: 50.107 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 74 Resp: 71740

Ion	Ratio	Lower	Upper
74	100		
45	77.1	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.344 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:101 Resp: 13829

Ion	Ratio	Lower	Upper
101	100		
85	44.5	34.6	51.8
151	80.8	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
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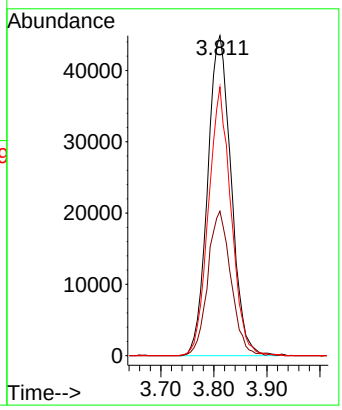
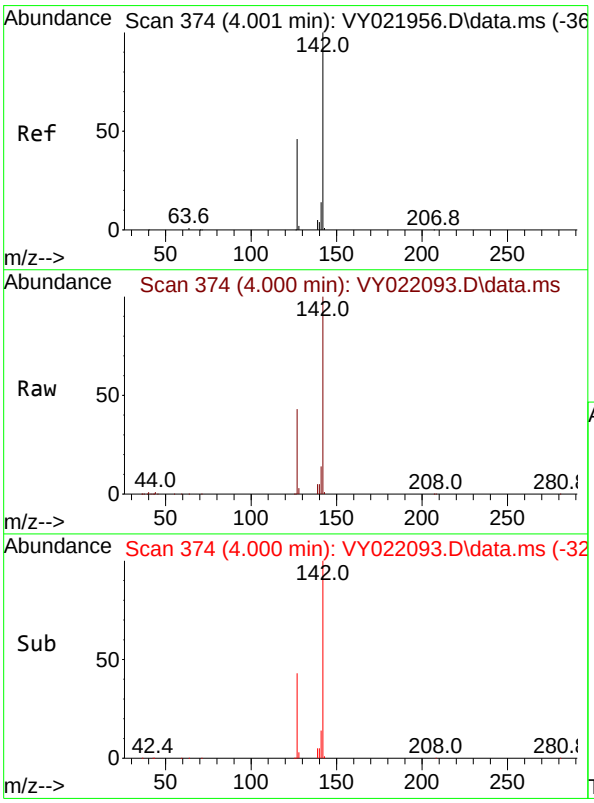
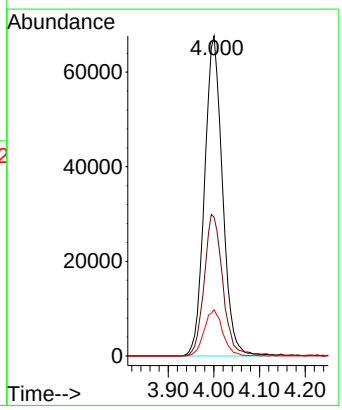


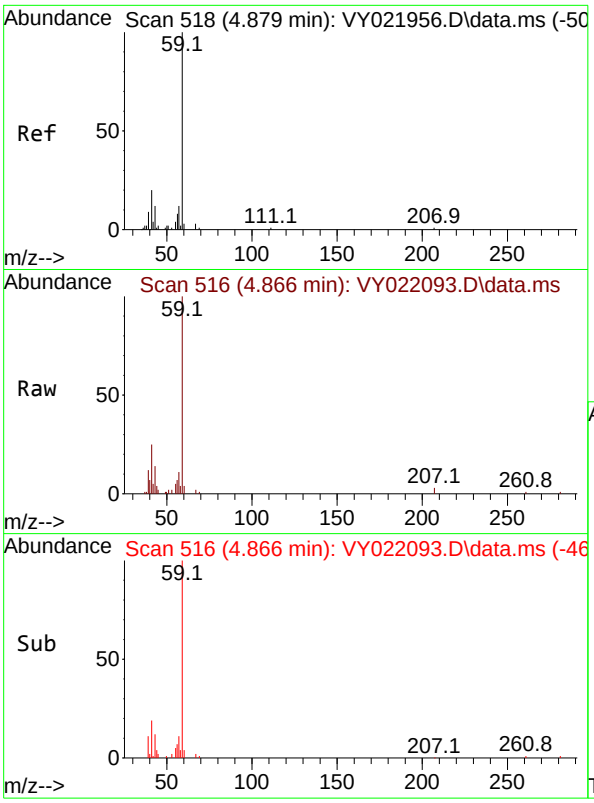


#10
Methyl Iodide
Concen: 53.408 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:142 Resp: 184517

Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.2	54.2
141	14.8	11.7	17.5





#11
Tert butyl alcohol
Concen: 252.019 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 59 Resp: 3575

Ion	Ratio	Lower	Upper
59	100		
57	5.8	9.3	13.9#

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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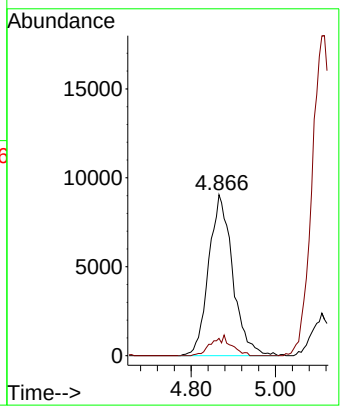
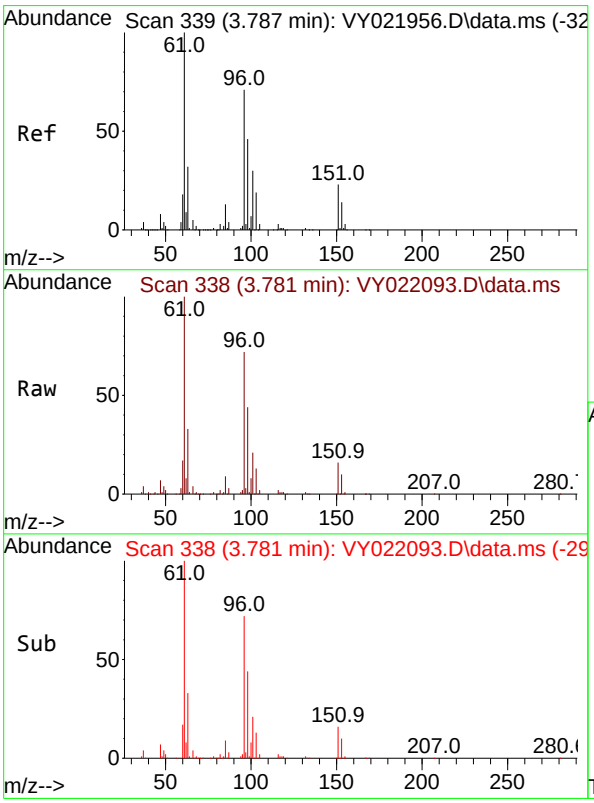
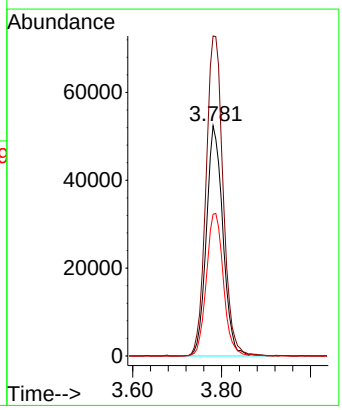


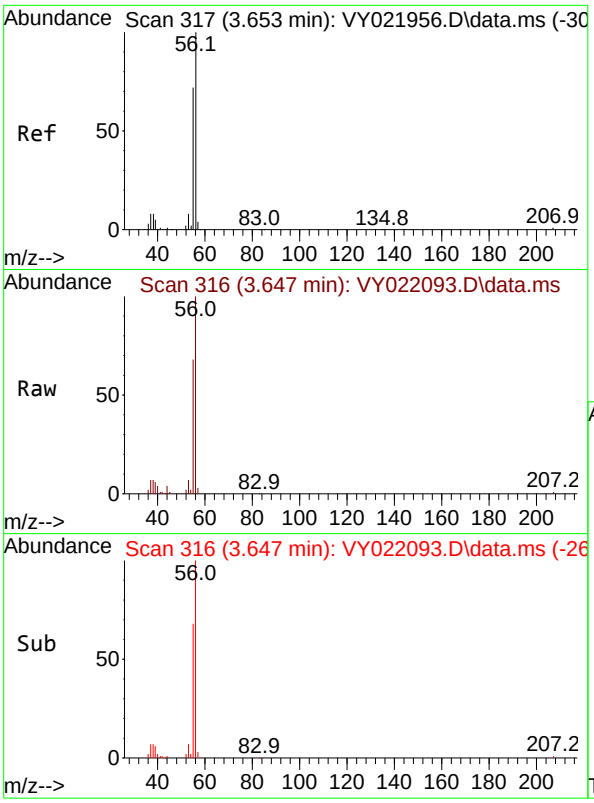


#12
1,1-Dichloroethene
Concen: 48.803 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 96 Resp: 135740

Ion	Ratio	Lower	Upper
96	100		
61	139.0	113.0	169.4
98	61.6	51.4	77.2

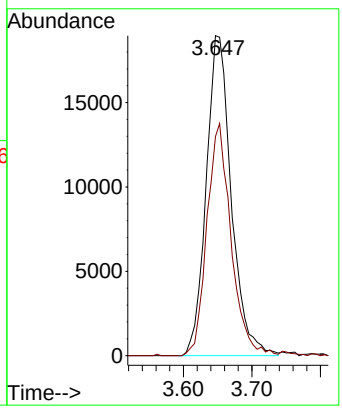




#13
Acrolein
Concen: 189.869 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 56 Resp: 4834

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
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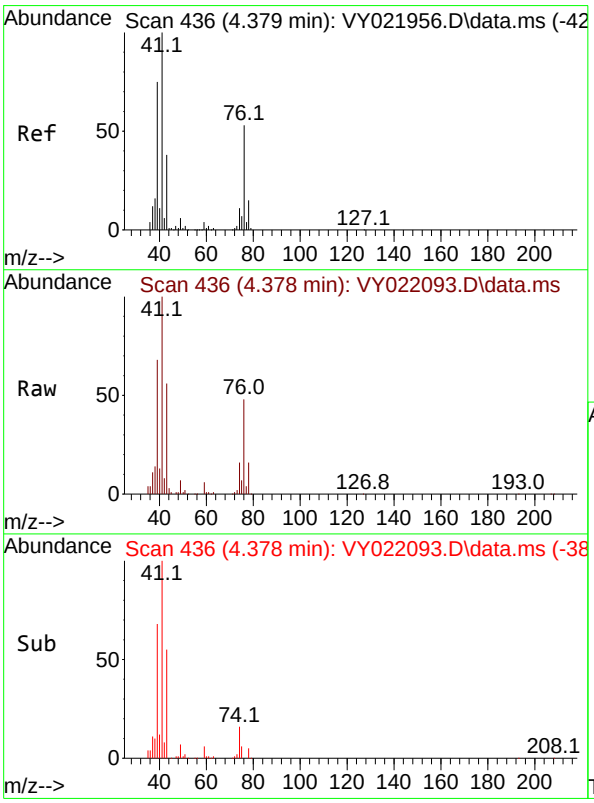
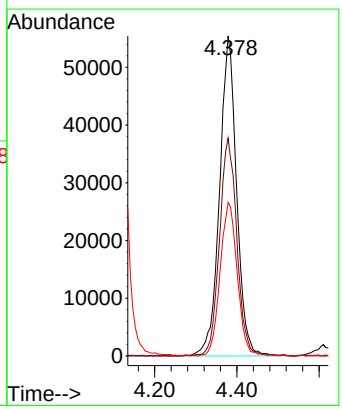
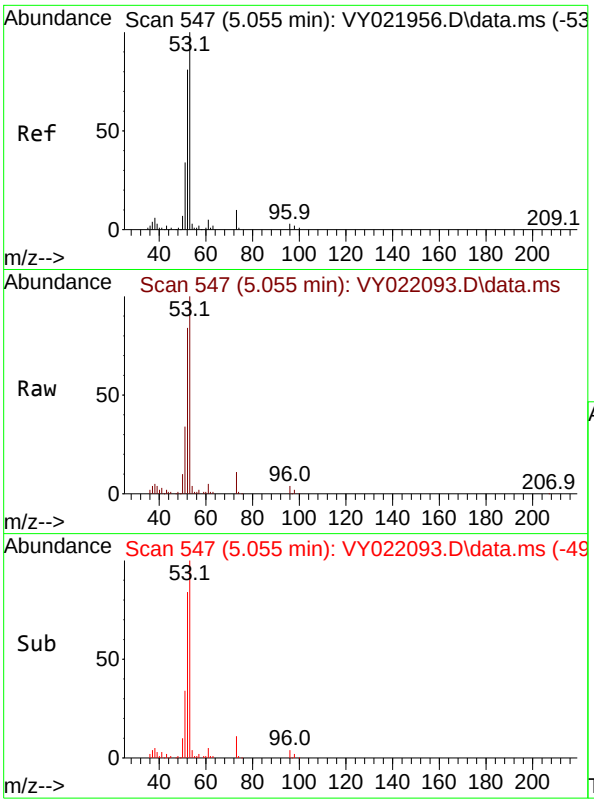


#14
Allyl chloride
Concen: 49.330 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 41 Resp: 159760

Ion	Ratio	Lower	Upper
41	100		
39	69.3	57.2	85.8
76	48.1	39.7	59.5





#15
Acrylonitrile
Concen: 260.682 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 53 Resp: 13663

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.0	97.6
51	36.5	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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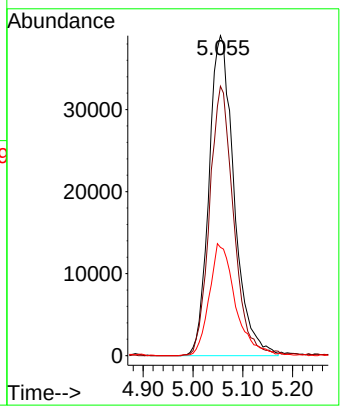
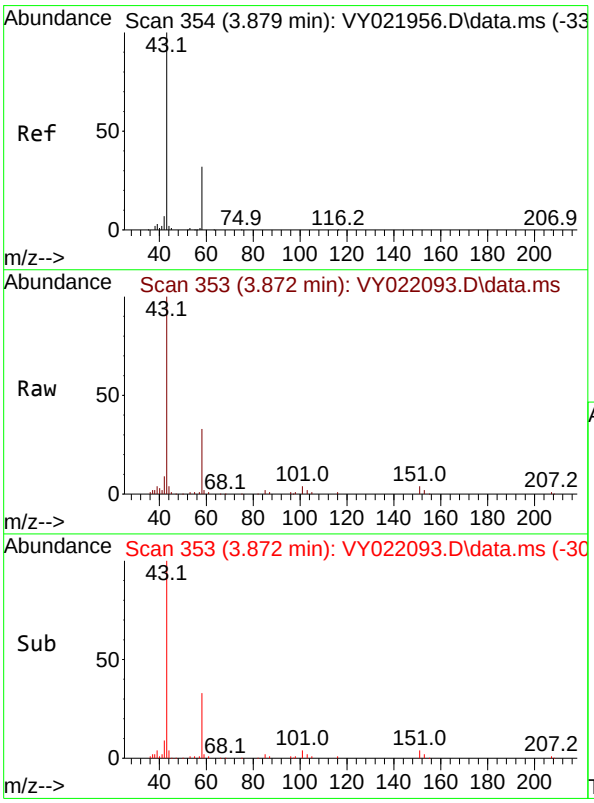
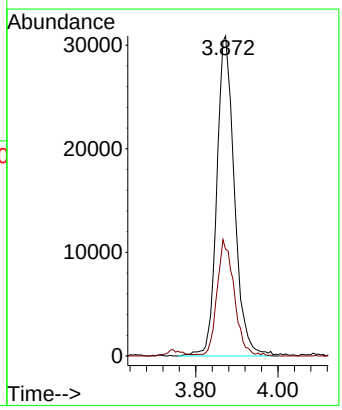


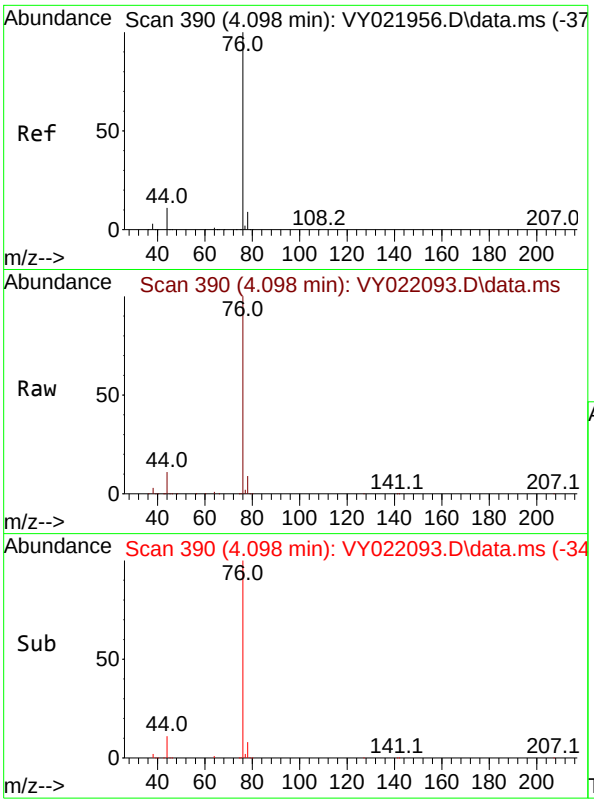


#16
Acetone
Concen: 273.850 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 91946

Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.0	40.4

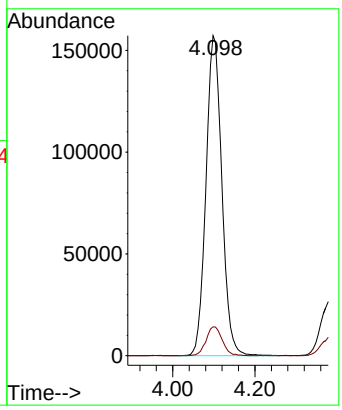




#17
Carbon Disulfide
Concen: 47.541 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 76 Resp: 42161

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
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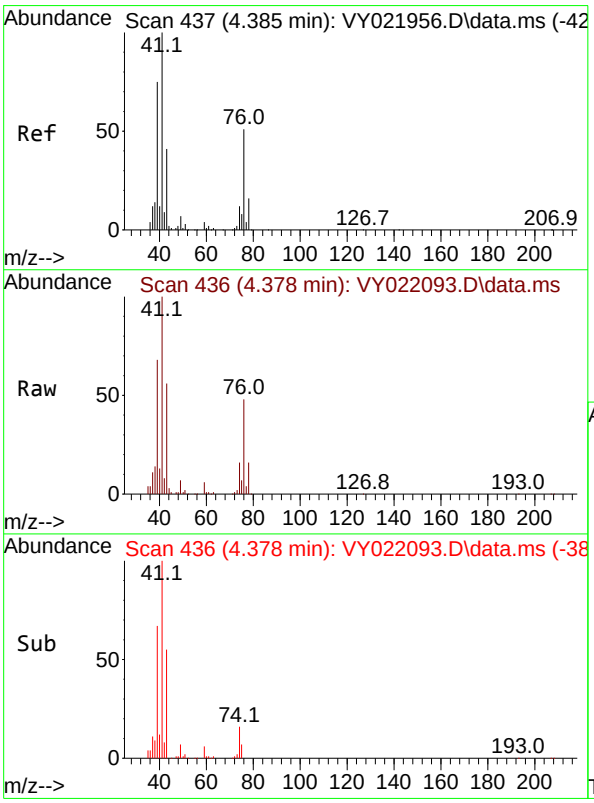
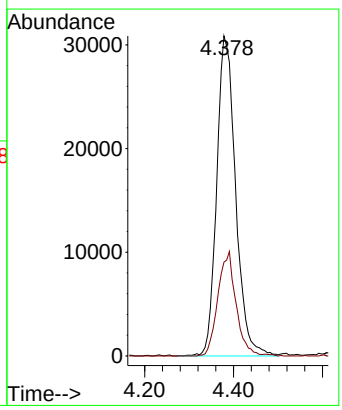
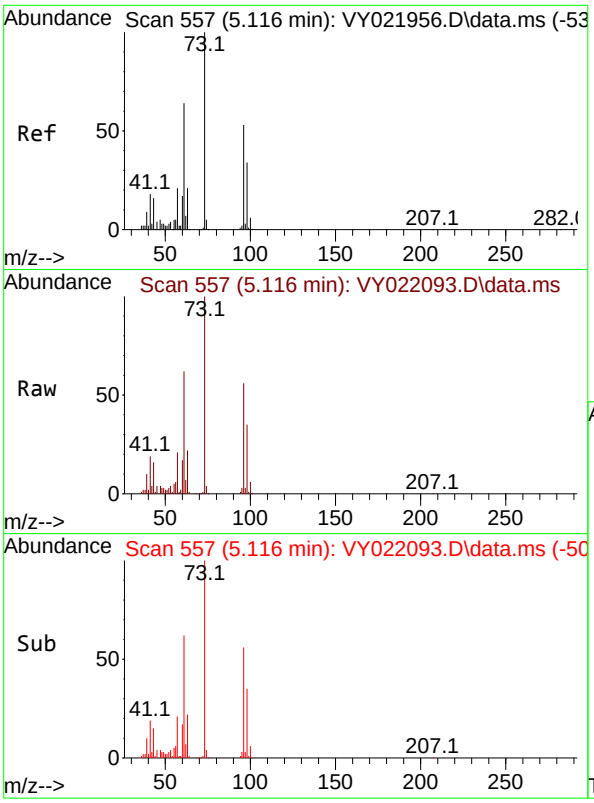


#18
Methyl Acetate
Concen: 75.296 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 90898

Ion	Ratio	Lower	Upper
43	100		
74	31.1	24.2	36.4

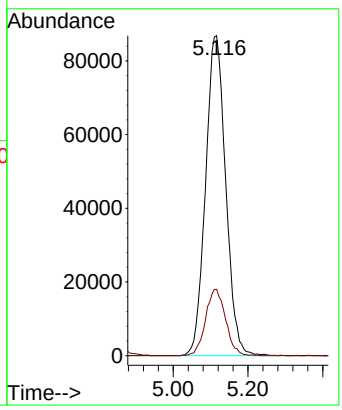




#19
Methyl tert-butyl Ether
Concen: 52.188 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 73 Resp: 32488

Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.9	25.3



Instrument :
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ClientSampleId :
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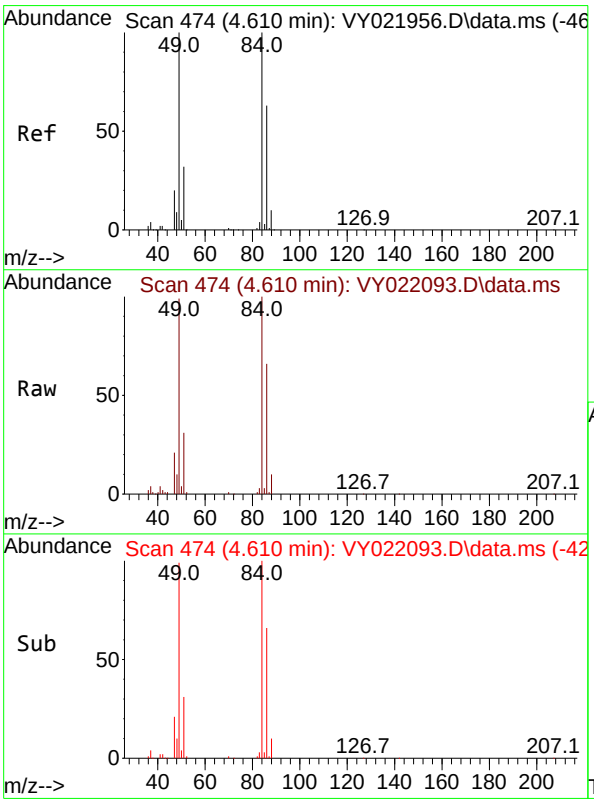
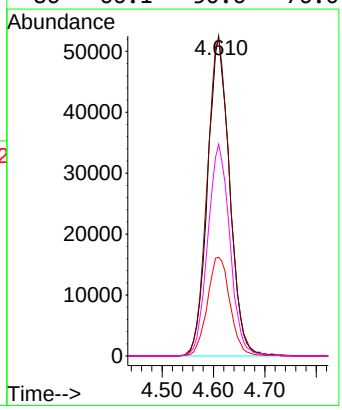
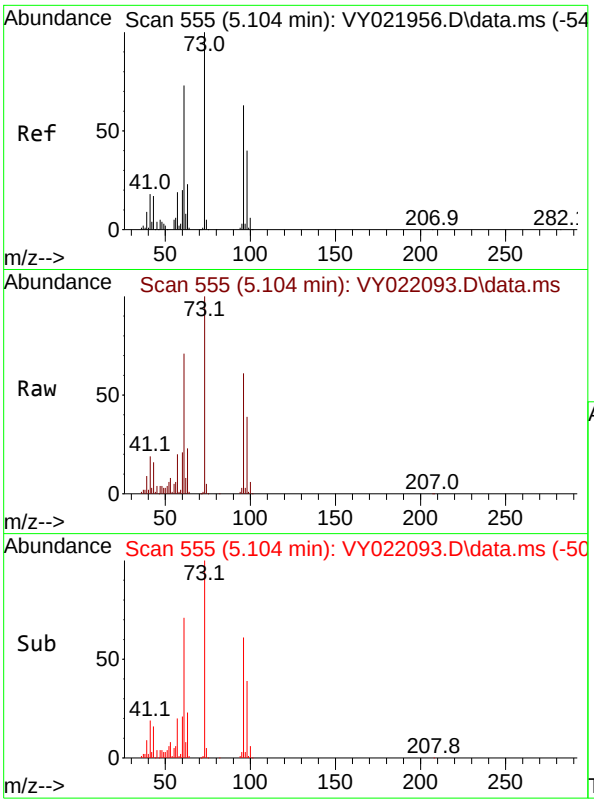


#20
Methylene Chloride
Concen: 47.515 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 84 Resp: 155271

Ion	Ratio	Lower	Upper
84	100		
49	99.0	79.9	119.9
51	30.8	25.4	38.0
86	66.1	50.6	76.0

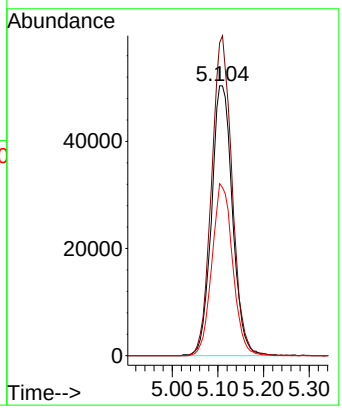




#21
trans-1,2-Dichloroethene
Concen: 51.515 ug/l
RT: 5.104 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 96 Resp: 16046

Ion	Ratio	Lower	Upper
96	100		
61	115.9	92.6	138.8
98	63.7	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
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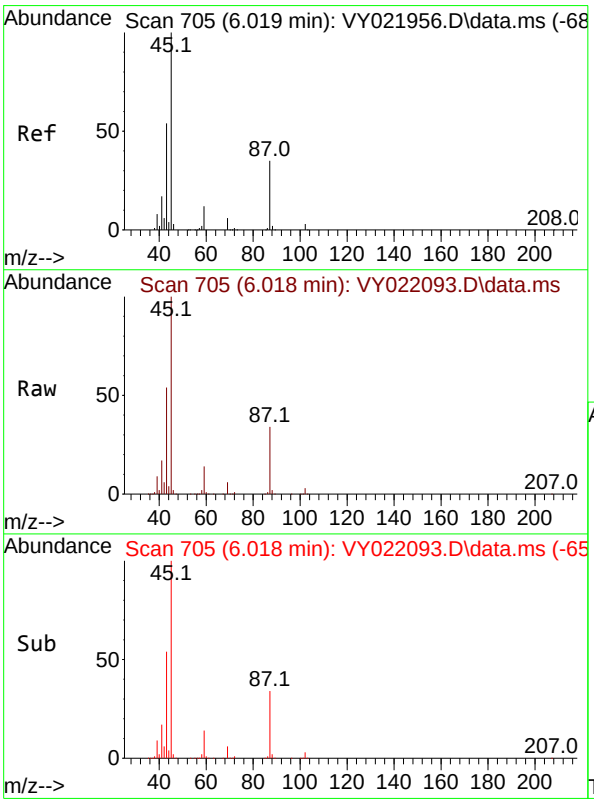
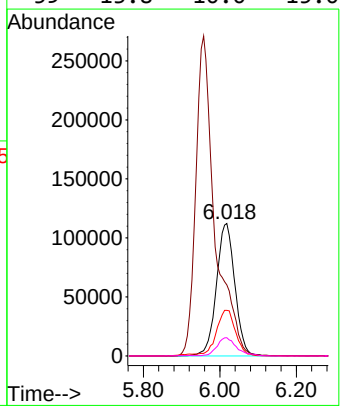
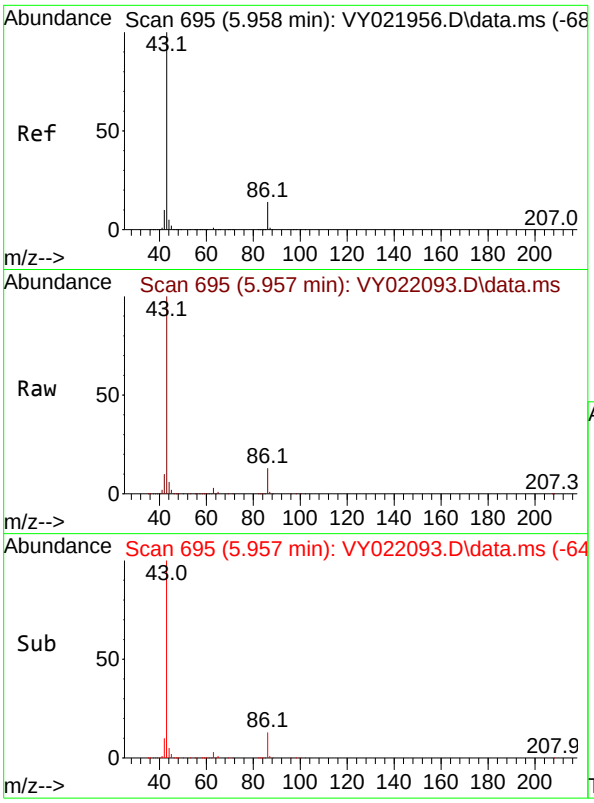


#22
Diisopropyl ether
Concen: 52.178 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 45 Resp: 376056

Ion	Ratio	Lower	Upper
45	100		
43	53.4	43.6	65.4
87	34.4	28.2	42.4
59	13.8	10.0	15.0

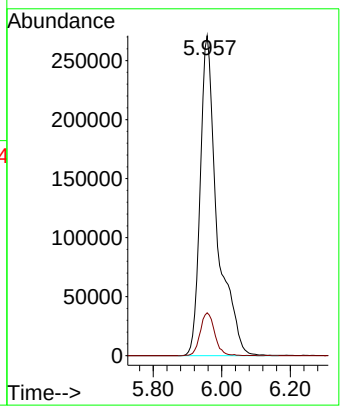




#23
Vinyl Acetate
Concen: 241.676 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 93871

Ion	Ratio	Lower	Upper
43	100		
86	13.4	11.1	16.7



Instrument :
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ClientSampleId :
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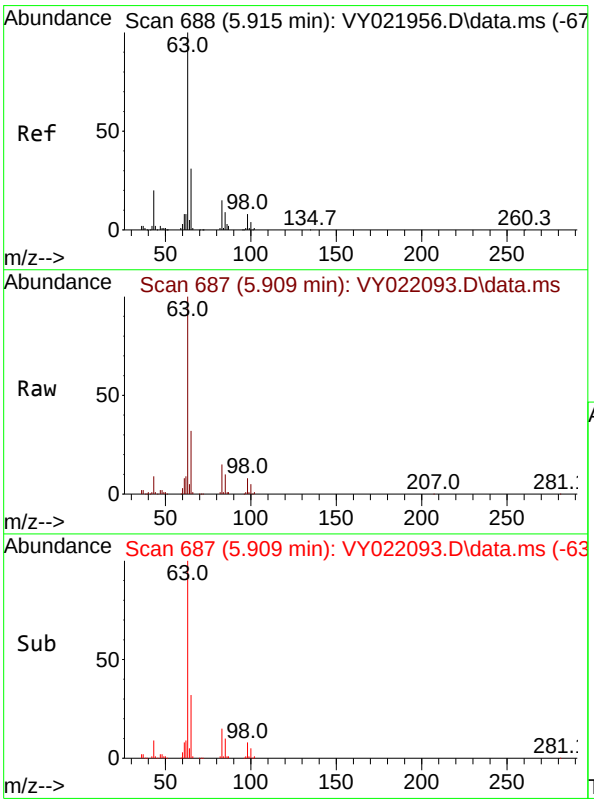
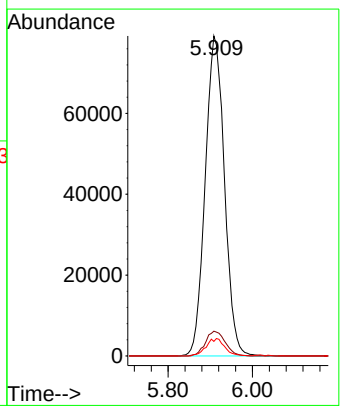
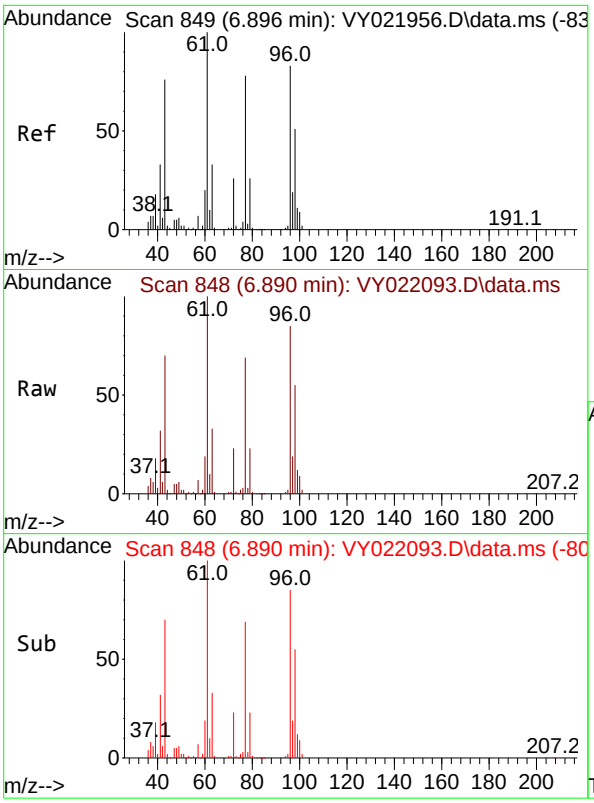


#24
1,1-Dichloroethane
Concen: 50.297 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 63 Resp: 251268

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	4.6	2.0	6.0





#25
2-Butanone
Concen: 256.584 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 15115

Ion	Ratio	Lower	Upper
43	100		
72	32.7	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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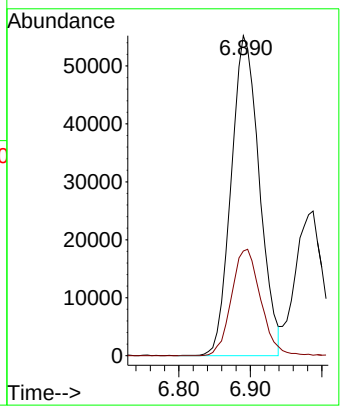
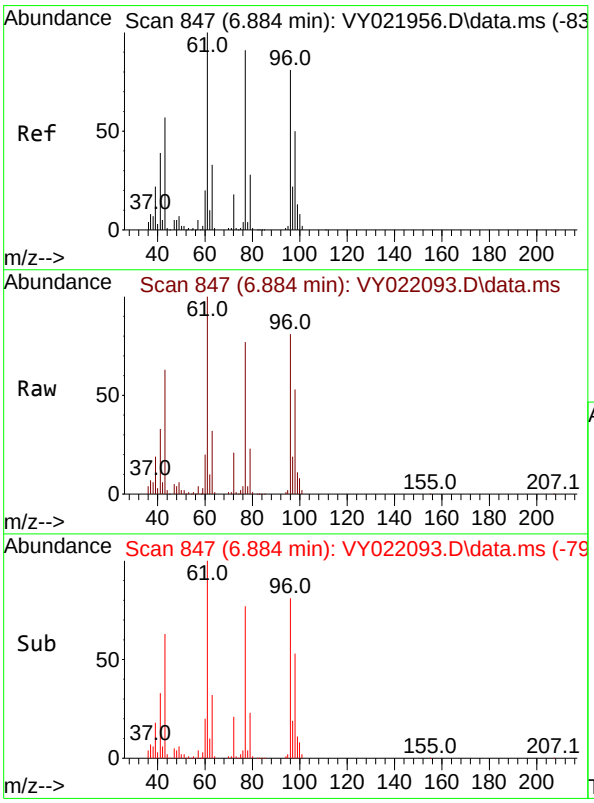
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

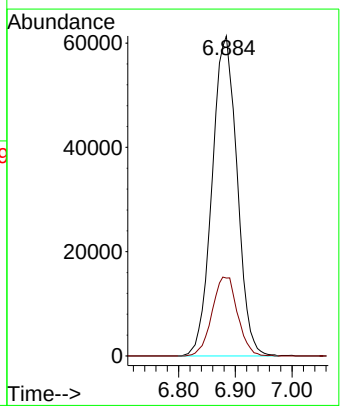


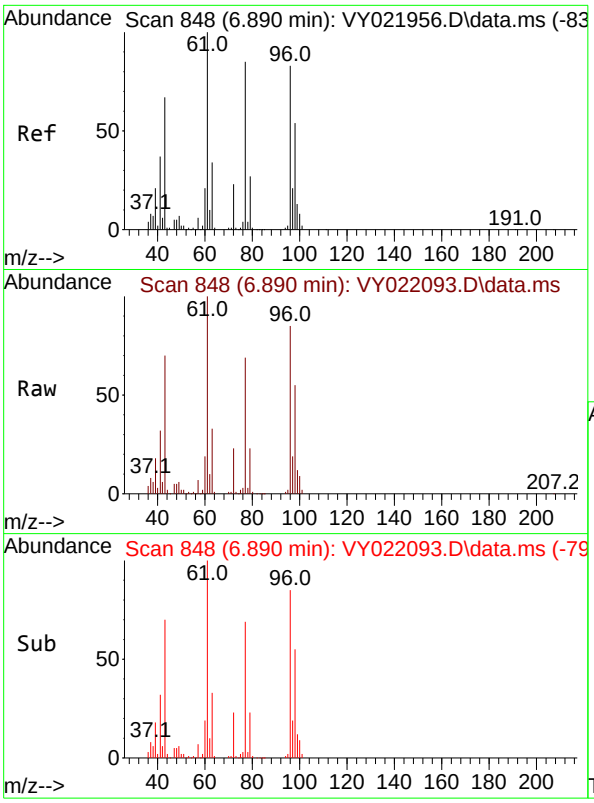


#26
2,2-Dichloropropane
Concen: 42.880 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 77 Resp: 187753

Ion	Ratio	Lower	Upper
77	100		
97	25.2	12.4	37.4

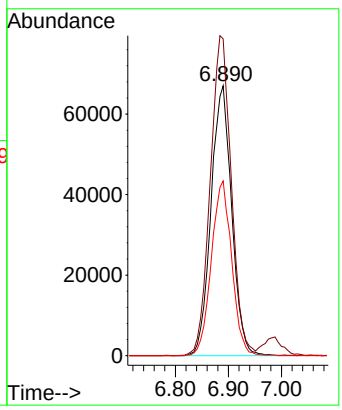




#27
cis-1,2-Dichloroethene
Concen: 52.187 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 96 Resp: 18176

Ion	Ratio	Lower	Upper
96	100		
61	120.5	0.0	251.4
98	63.8	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
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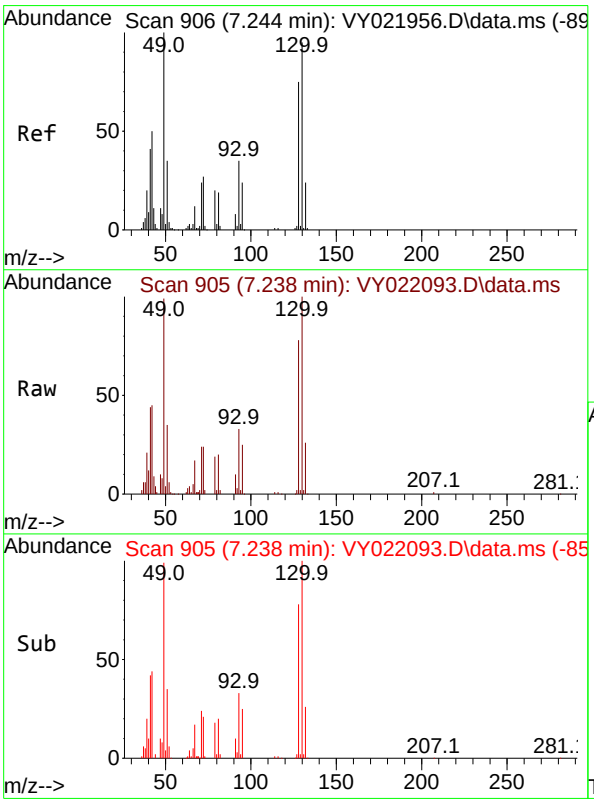
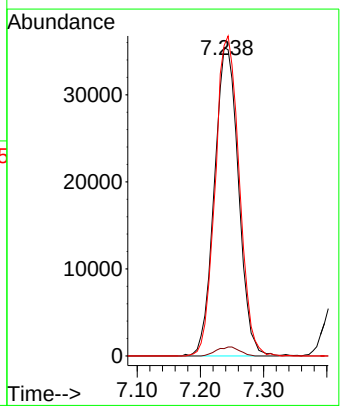
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

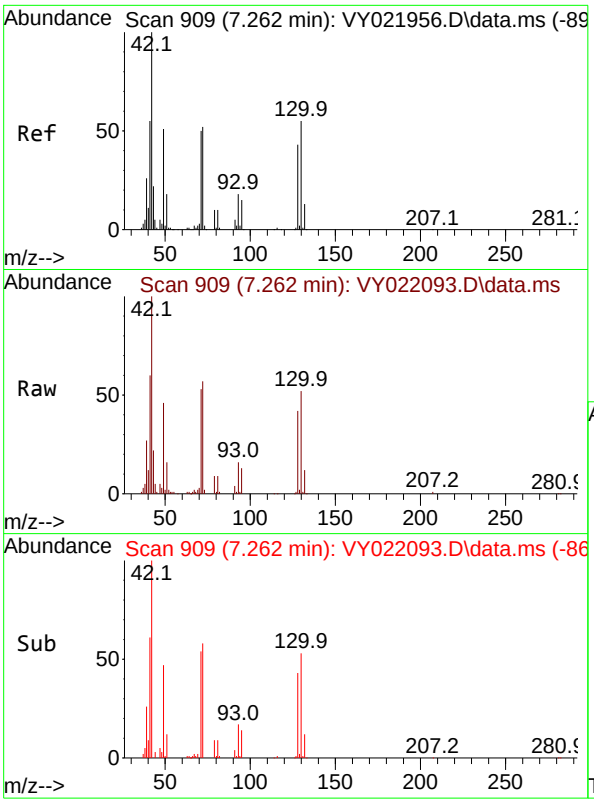


#28
Bromochloromethane
Concen: 48.399 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 49 Resp: 93915

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	102.8	78.2	117.4

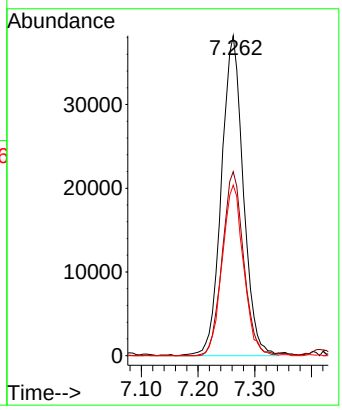




#29
Tetrahydrofuran
Concen: 267.468 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 42 Resp: 10233

Ion	Ratio	Lower	Upper
42	100		
72	56.4	42.6	63.8
71	52.1	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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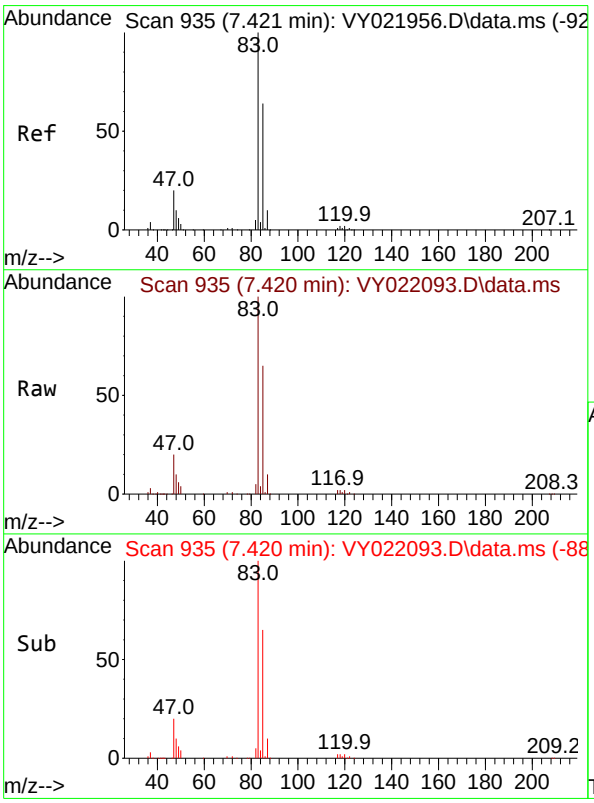
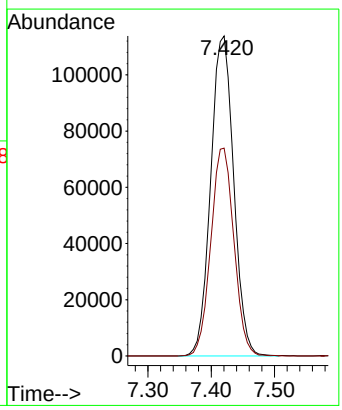
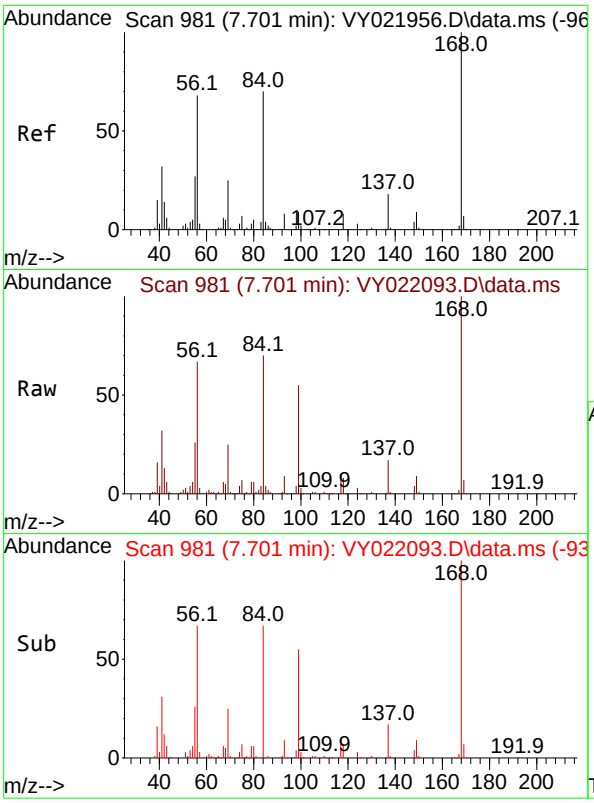


#30
Chloroform
Concen: 51.770 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 83 Resp: 286876

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9





#31
Cyclohexane
Concen: 46.232 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 56 Resp: 19750

Ion	Ratio	Lower	Upper
56	100		
69	37.7	29.4	44.2
84	102.4	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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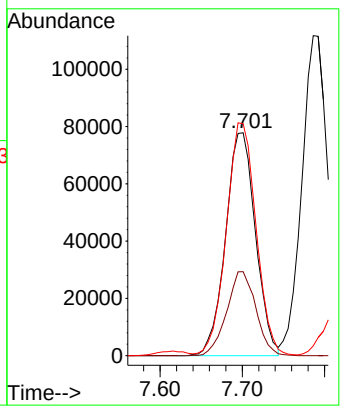
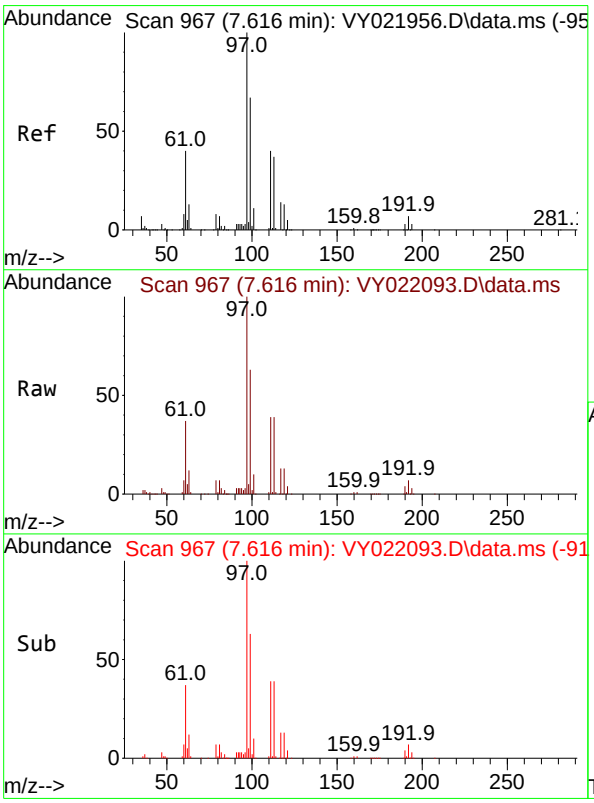
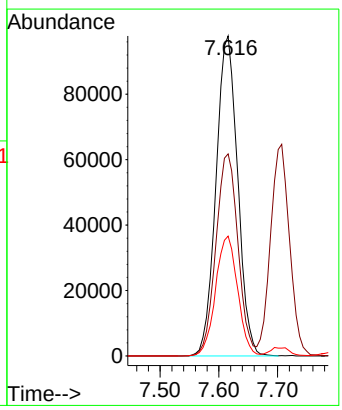


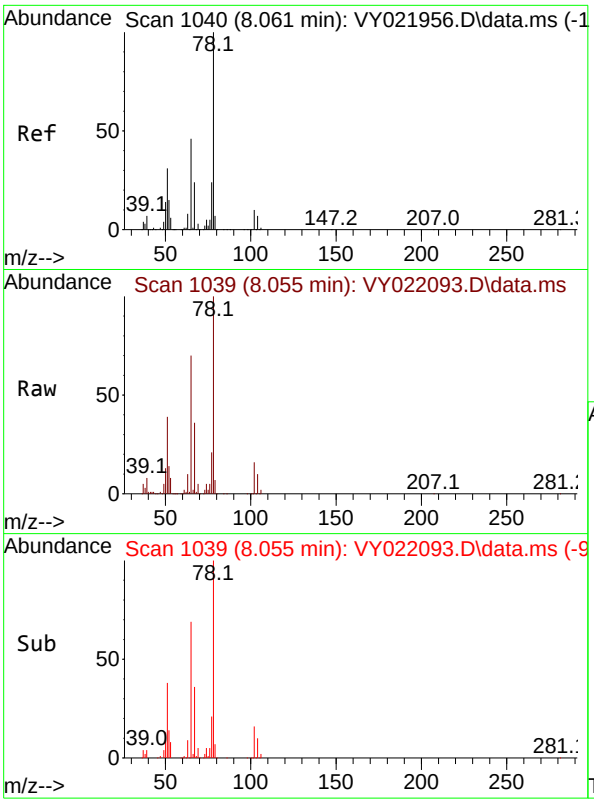


#32
1,1,1-Trichloroethane
Concen: 50.005 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 97 Resp: 250695

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	38.2	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 50.771 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 65 Resp: 13121

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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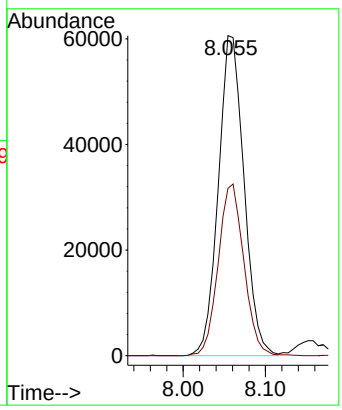
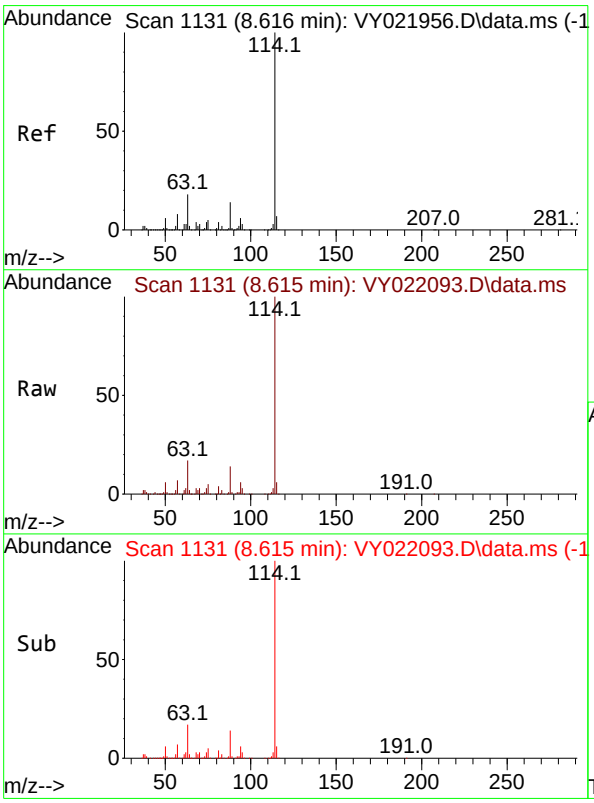
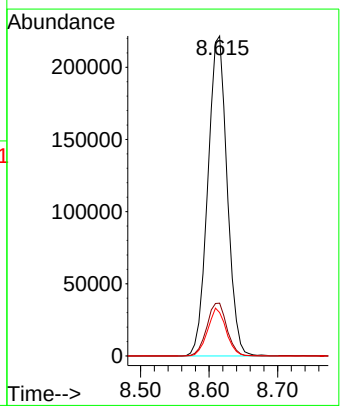


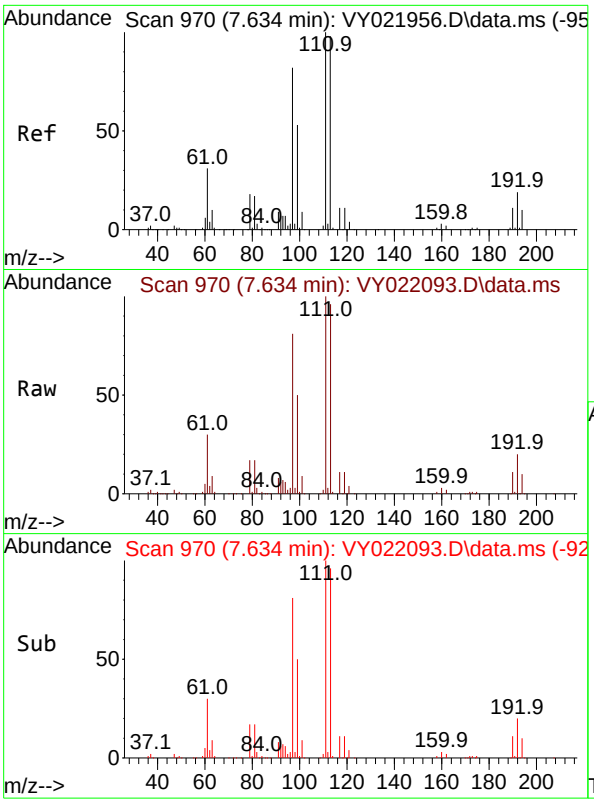


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:114 Resp: 434114

Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	35.4
88	13.6	0.0	28.2

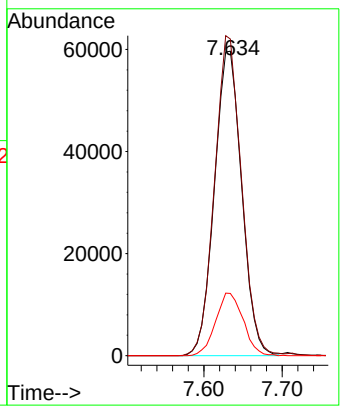




#35
Dibromofluoromethane
Concen: 50.509 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:113 Resp: 14485

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	20.7	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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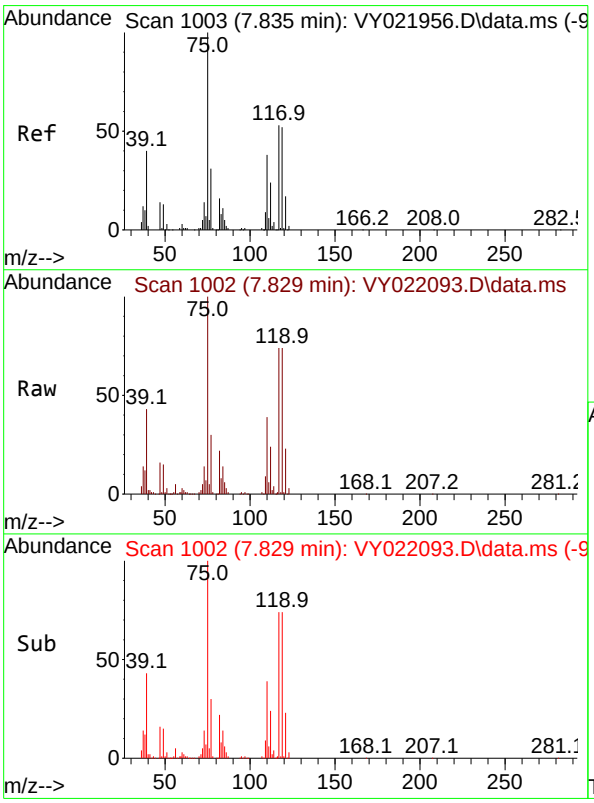
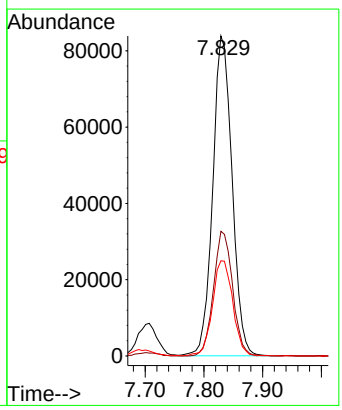
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

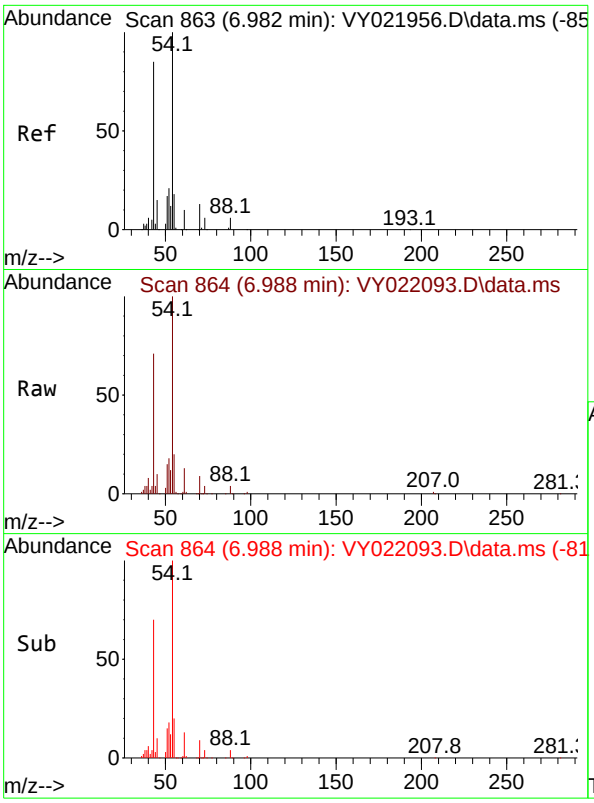


#36
1,1-Dichloropropene
Concen: 49.827 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 191957

Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	31.3	25.5	38.3





#37
Ethyl Acetate
Concen: 49.123 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 6796

Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.8	20.6
70	12.9	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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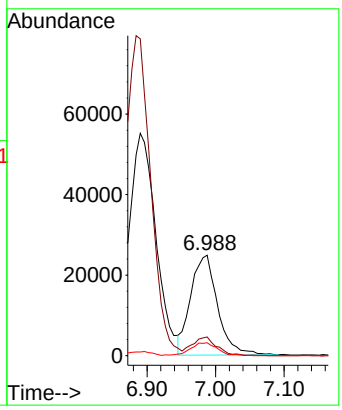
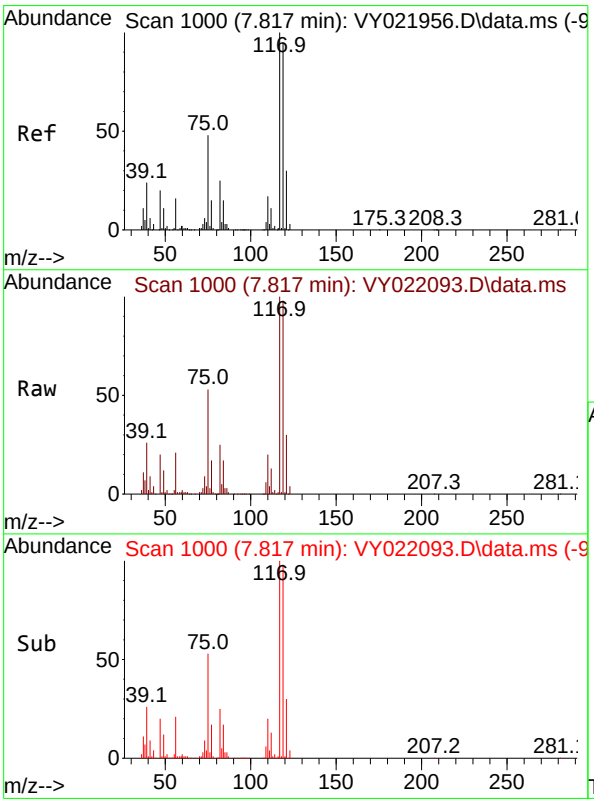
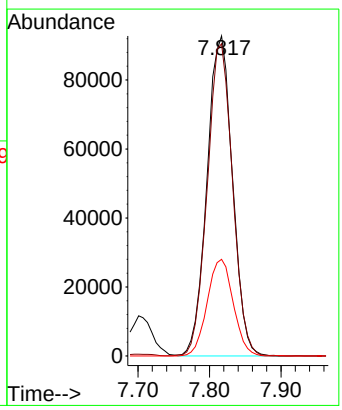


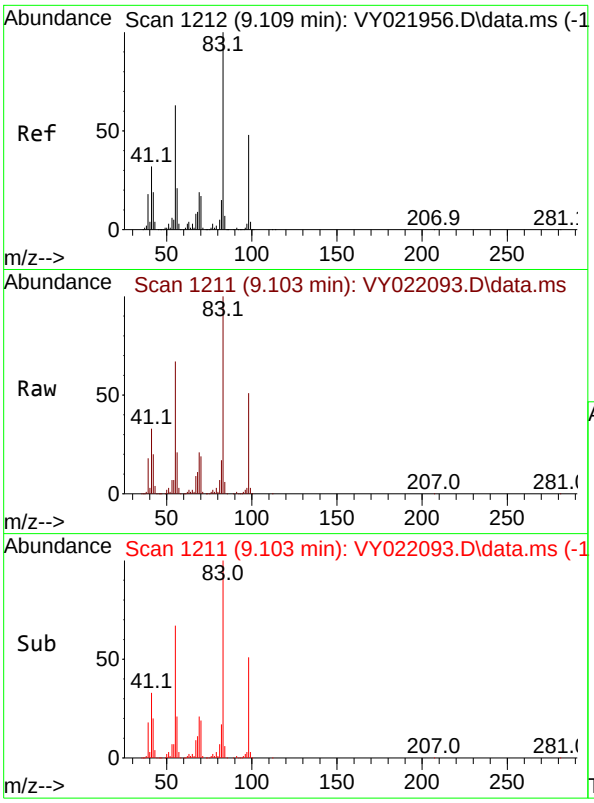


#38
Carbon Tetrachloride
Concen: 49.989 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:117 Resp: 230120

Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.2	114.4
121	30.2	24.0	36.0

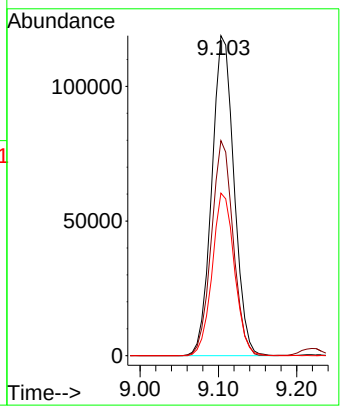




#39
Methylcyclohexane
Concen: 48.353 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 83 Resp: 23442

Ion	Ratio	Lower	Upper
83	100		
55	67.2	50.6	75.8
98	50.8	38.6	58.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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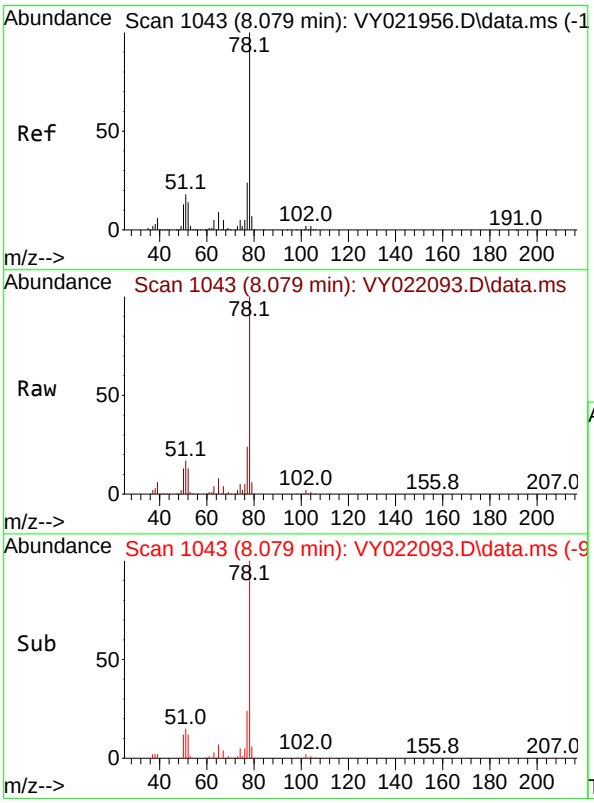
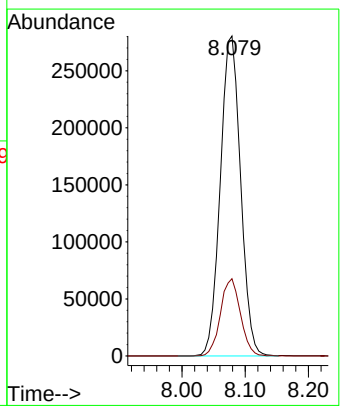
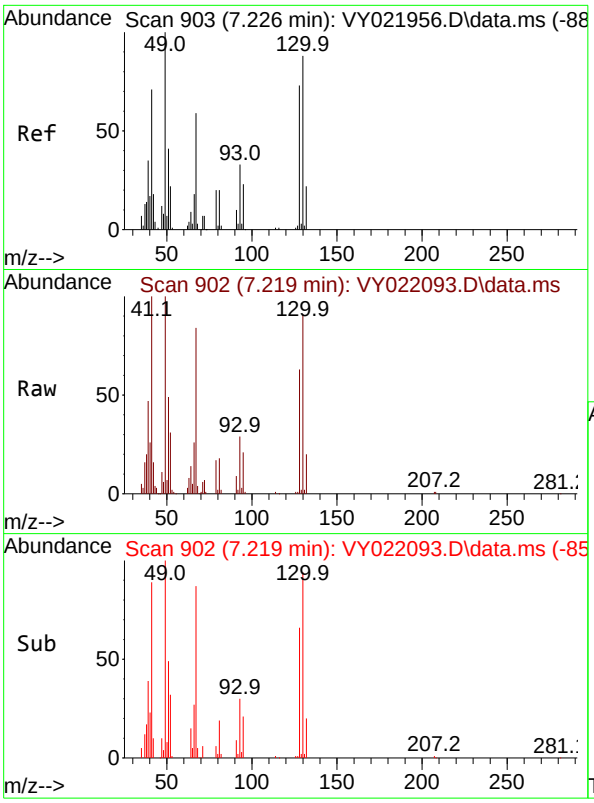


#40
Benzene
Concen: 51.816 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 78 Resp: 624003

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9

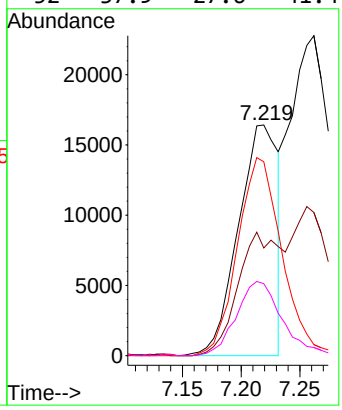




#41
Methacrylonitrile
Concen: 50.746 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 41 Resp: 3838

Ion	Ratio	Lower	Upper
41	100		
39	59.9	36.6	55.0
67	97.4	72.2	108.4
52	37.9	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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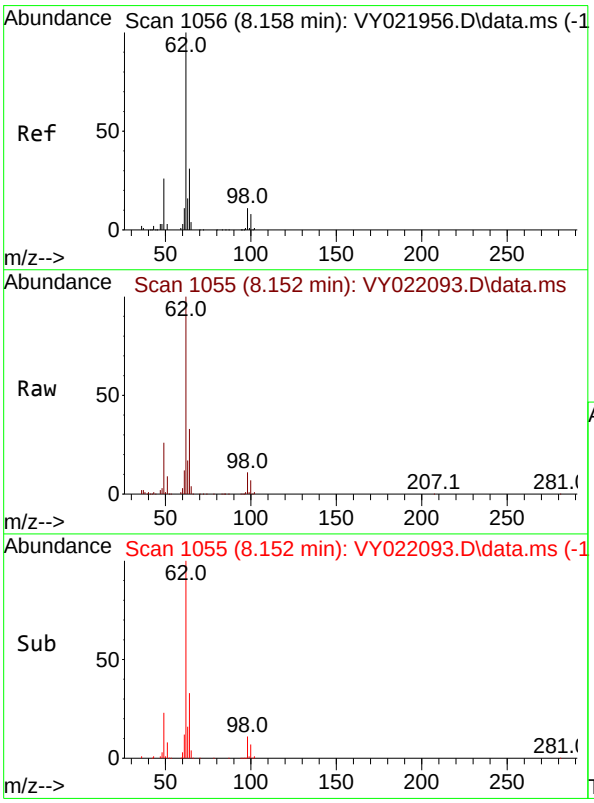
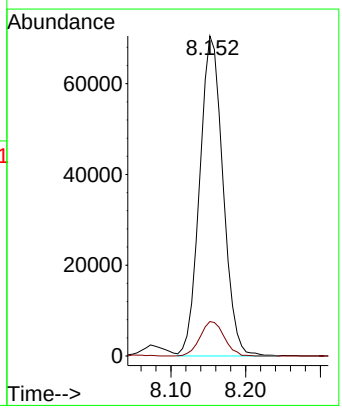
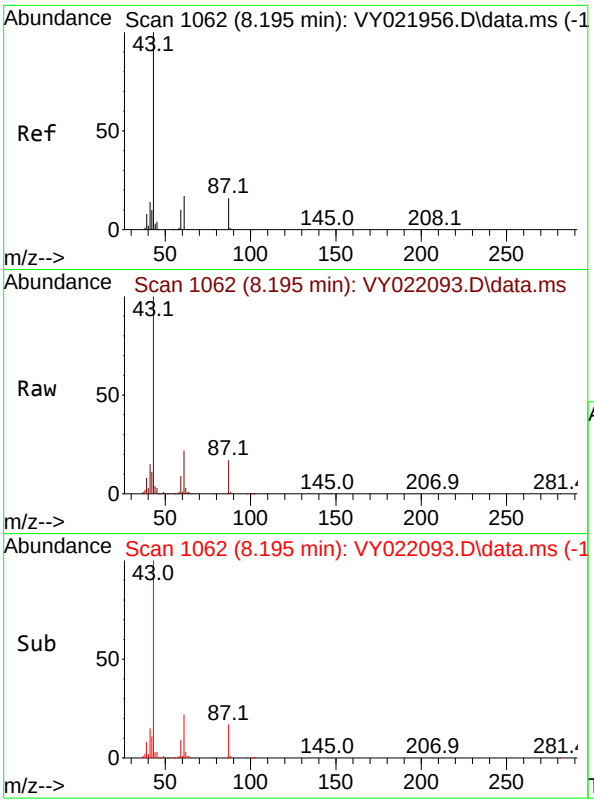


#42
1,2-Dichloroethane
Concen: 51.202 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 62 Resp: 152663

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0





#43
Isopropyl Acetate
Concen: 51.574 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

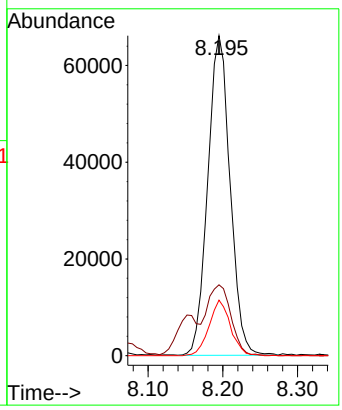
Tgt Ion: 43 Resp: 13703

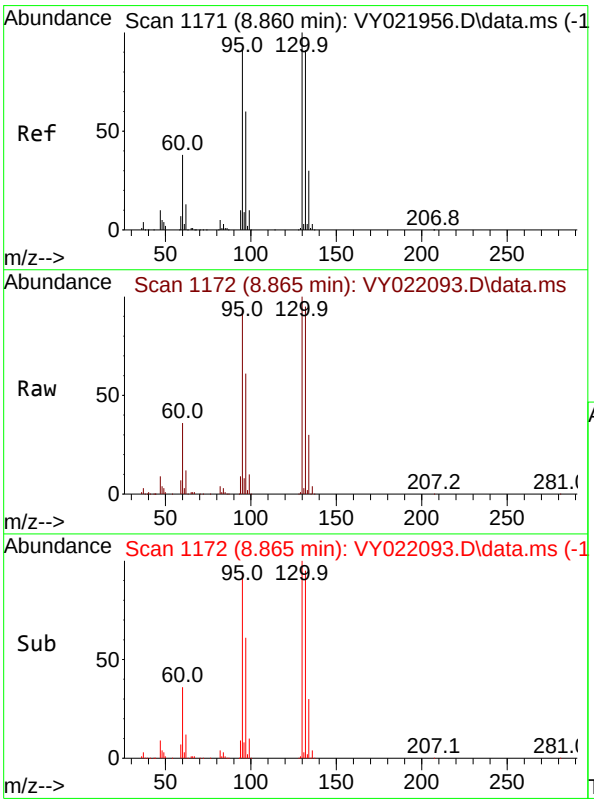
Ion	Ratio	Lower	Upper
43	100		
61	23.4	18.9	28.3
87	16.7	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

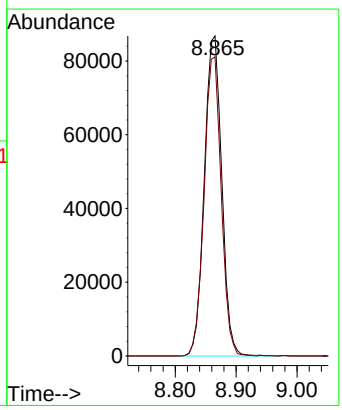


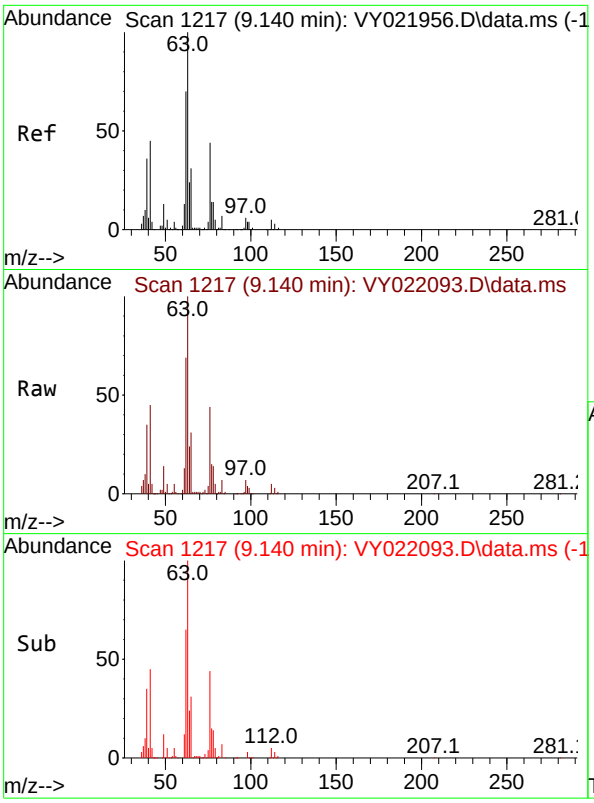


#44
Trichloroethene
Concen: 51.686 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:130 Resp: 172407

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	183.2

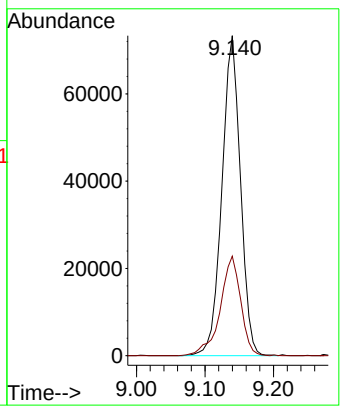




#45
1,2-Dichloropropane
Concen: 51.567 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 63 Resp: 13733

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.2	37.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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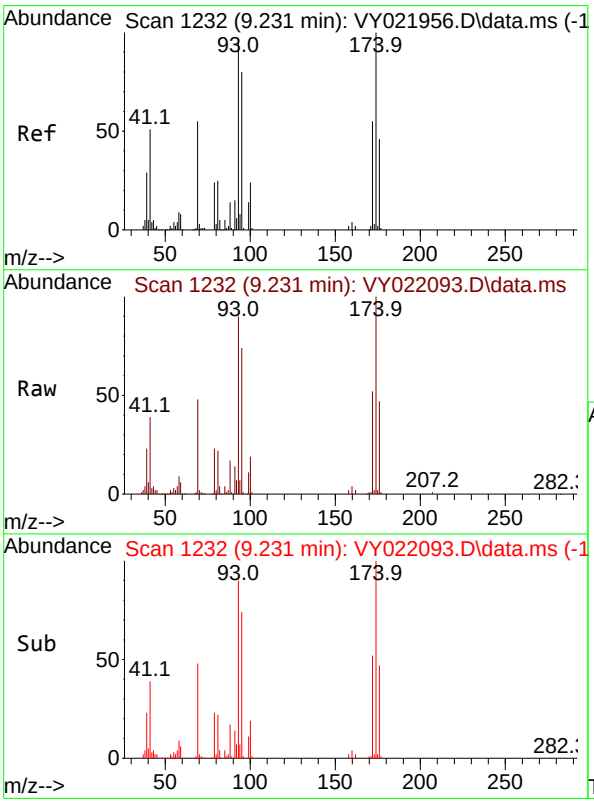
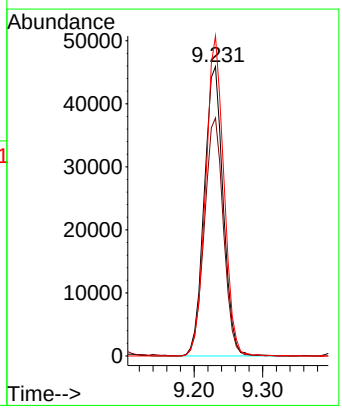
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

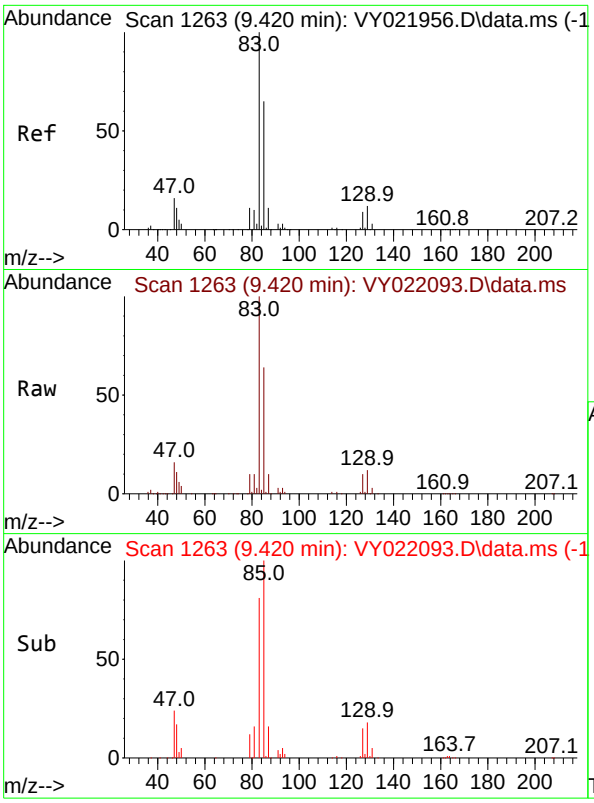


#46
Dibromomethane
Concen: 52.864 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 93 Resp: 88131

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.7	100.1
174	106.6	84.6	127.0

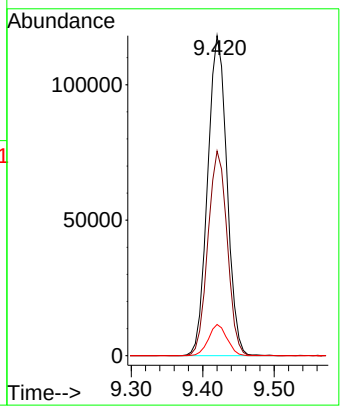




#47
Bromodichloromethane
Concen: 53.118 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 83 Resp: 22122

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8
127	9.7	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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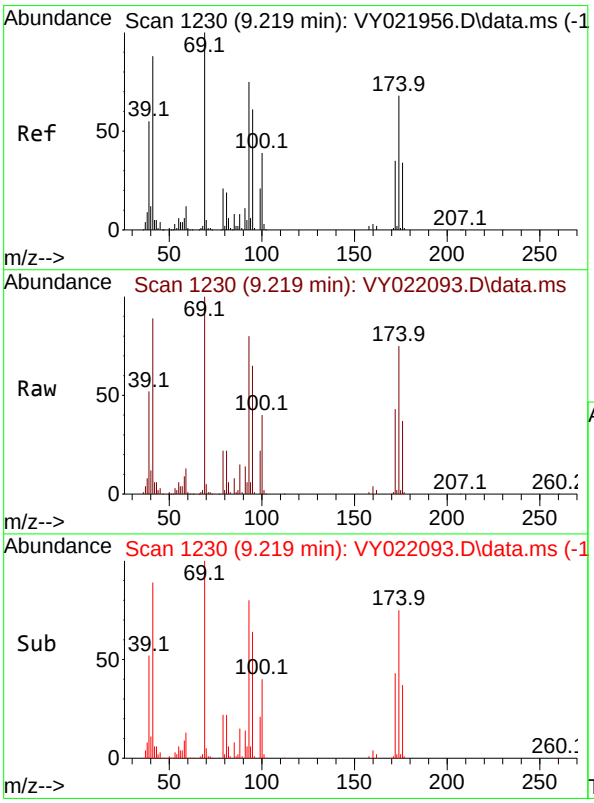
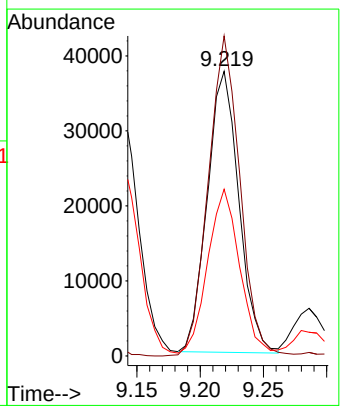
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

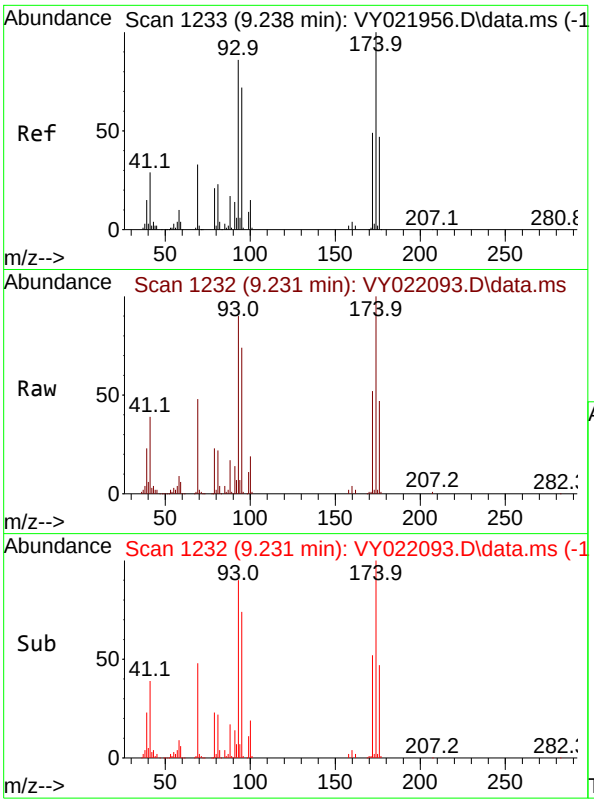


#48
Methyl methacrylate
Concen: 52.979 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 41 Resp: 65076

Ion	Ratio	Lower	Upper
41	100		
69	113.6	85.5	128.3
39	60.4	46.2	69.4





#49
1,4-Dioxane
Concen: 1083.807 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 88 Resp: 1925

Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.3	31.9
58	54.8	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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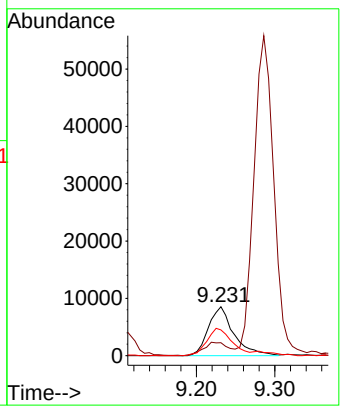
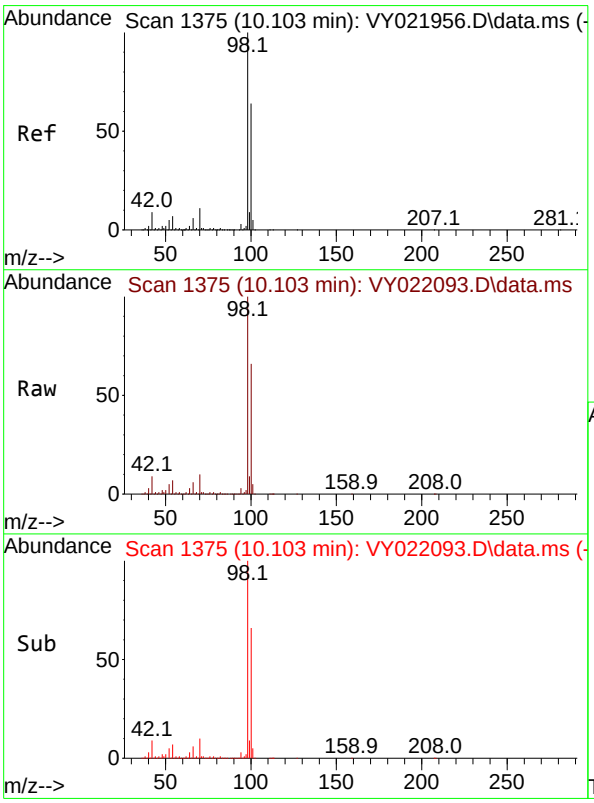
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

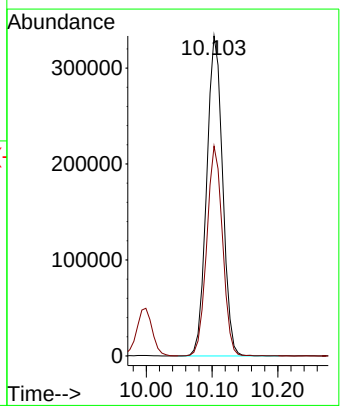


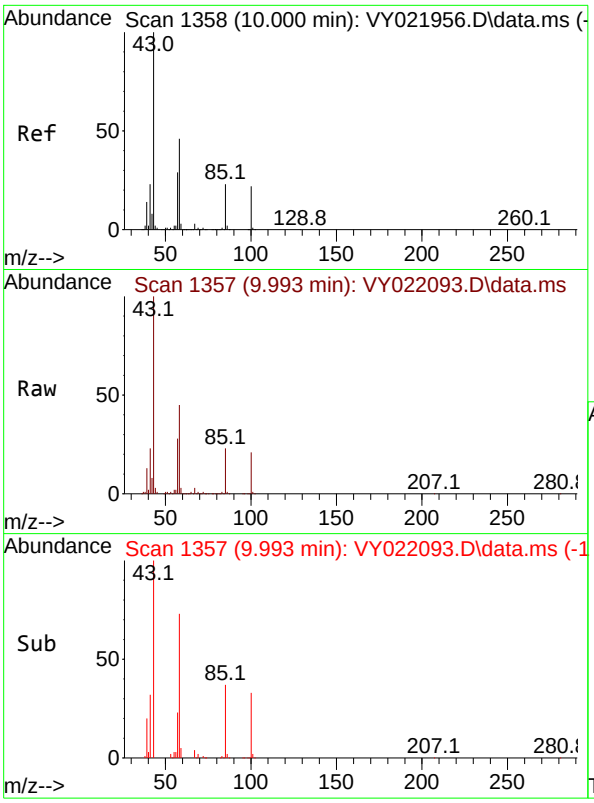


#50
Toluene-d8
Concen: 51.963 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 98 Resp: 561844

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 277.552 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 38660

Ion	Ratio	Lower	Upper
43	100		
58	45.9	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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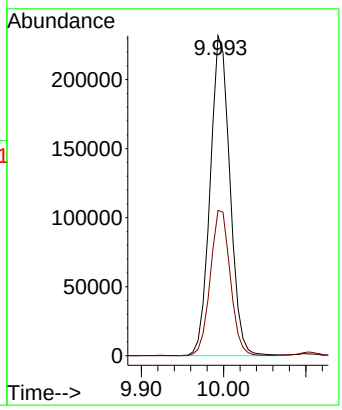
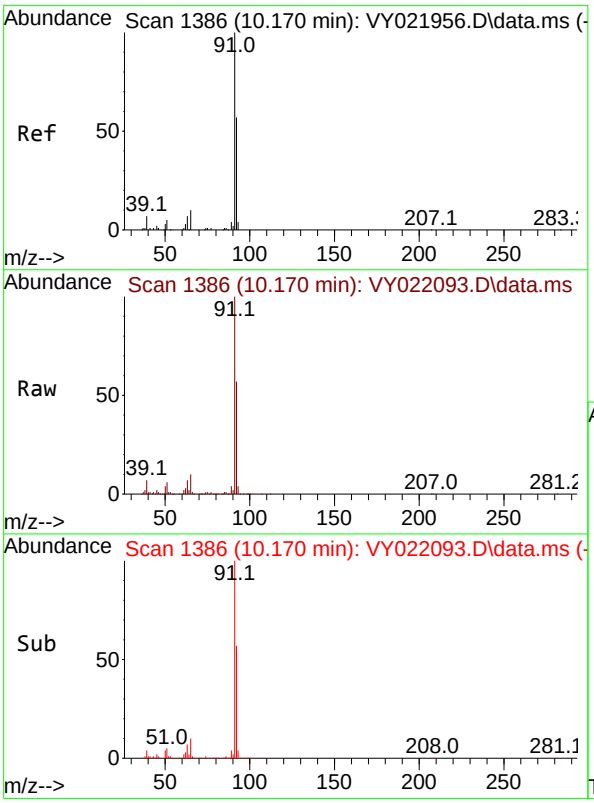
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

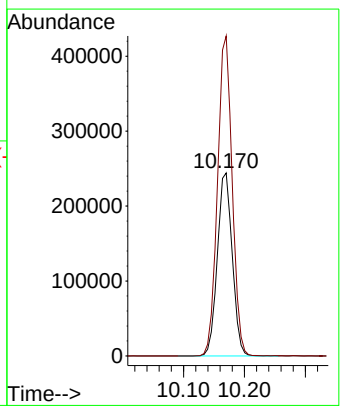


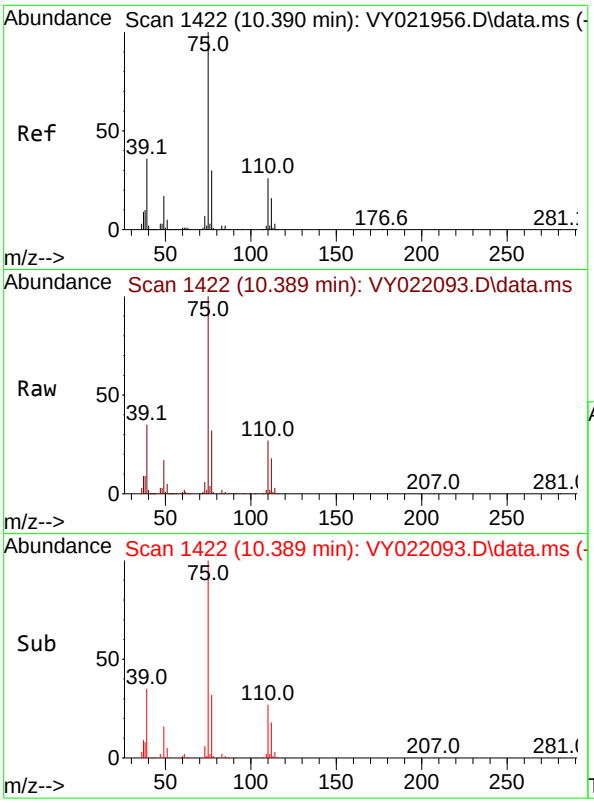


#52
Toluene
Concen: 53.105 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 92 Resp: 413973

Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 50.926 ug/l
RT: 10.389 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 18192

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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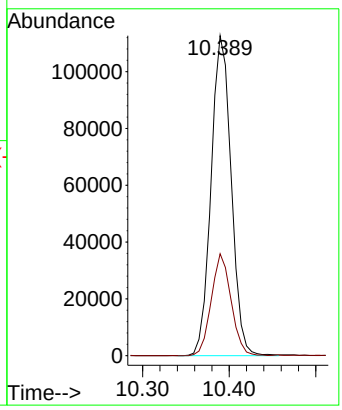
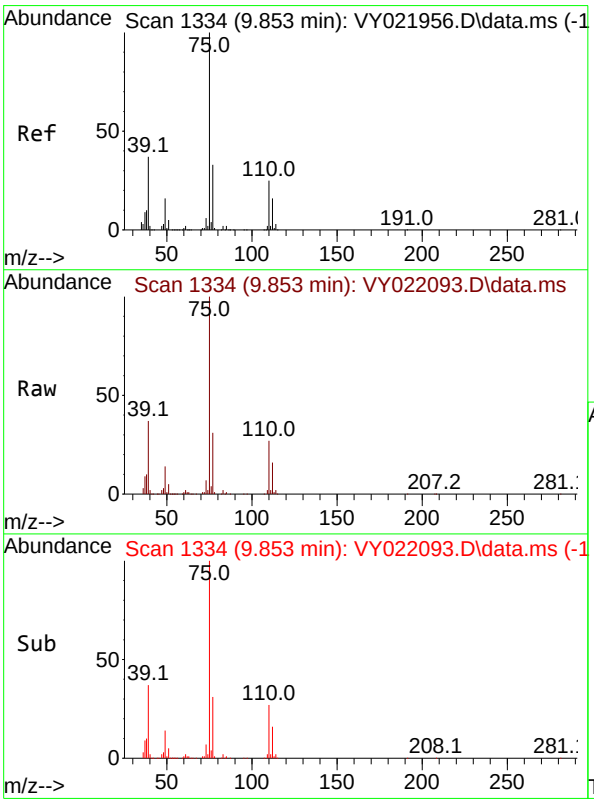
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

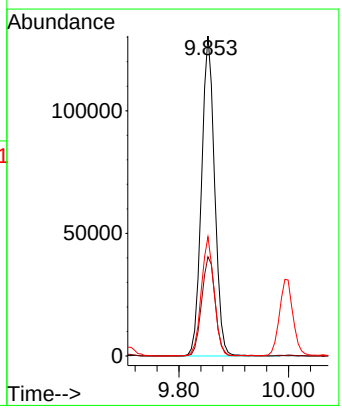


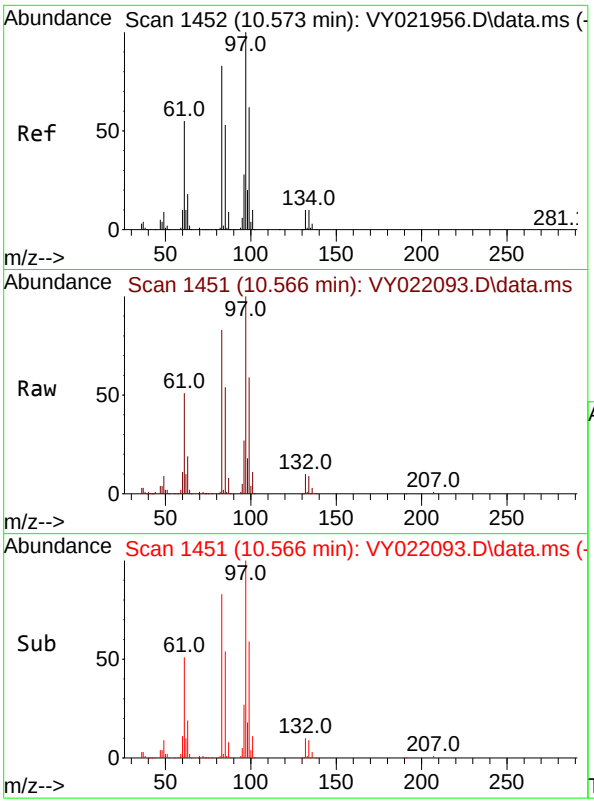


#54
cis-1,3-Dichloropropene
Concen: 50.866 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 215998

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.6	40.0
39	37.2	29.6	44.4

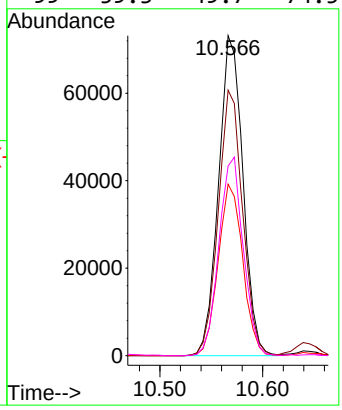




#55
1,1,2-Trichloroethane
Concen: 53.971 ug/l
RT: 10.566 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 97 Resp: 12018

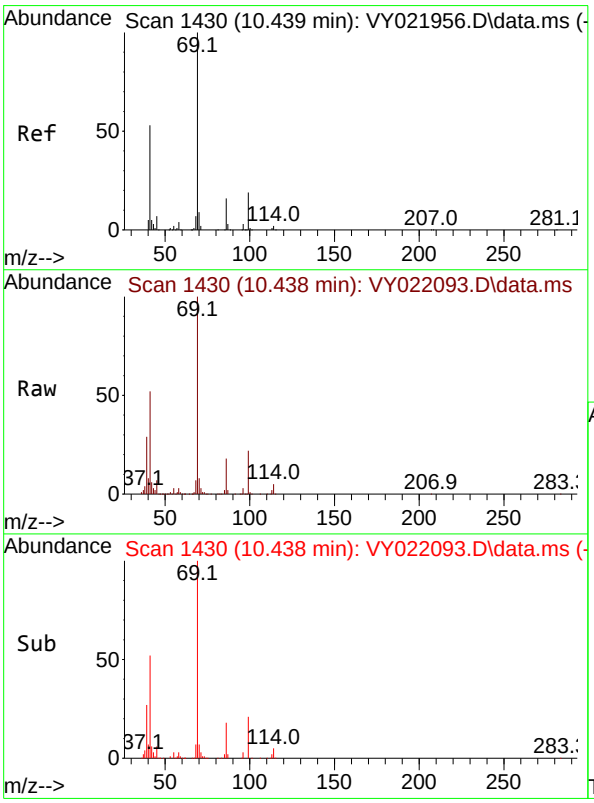
Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.7	100.1
85	53.6	42.6	64.0
99	59.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

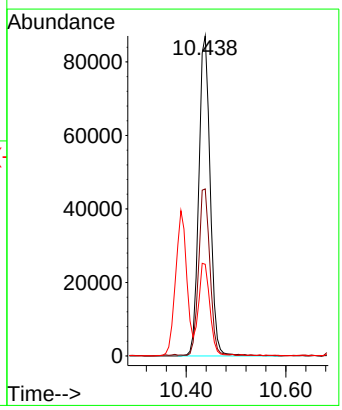
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

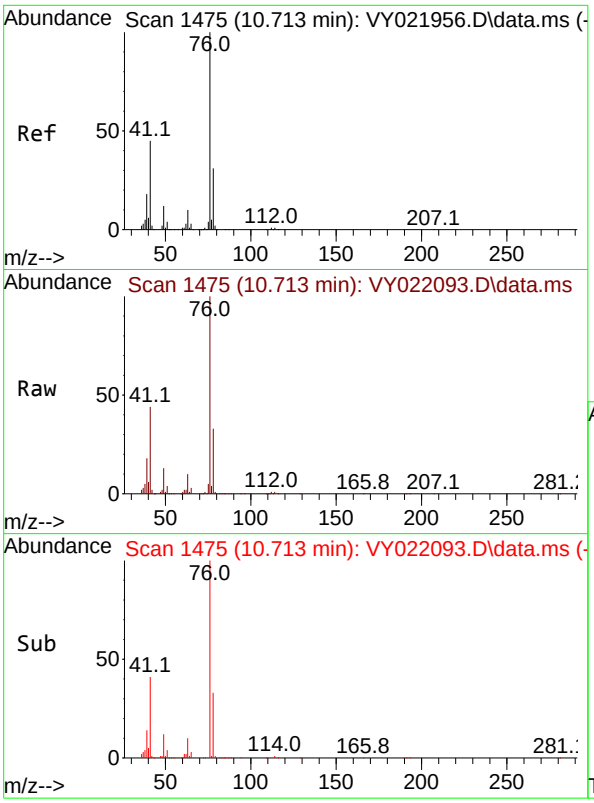


#56
Ethyl methacrylate
Concen: 54.188 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 69 Resp: 137995

Ion	Ratio	Lower	Upper
69	100		
41	51.5	40.7	61.1
39	28.0	23.3	34.9

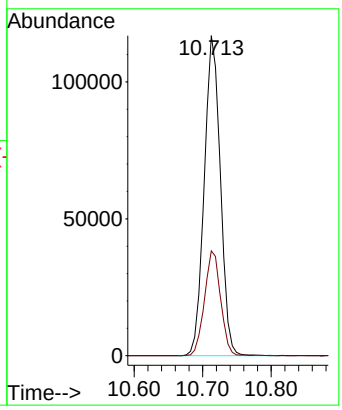




#57
1,3-Dichloropropane
Concen: 53.670 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 76 Resp: 19160

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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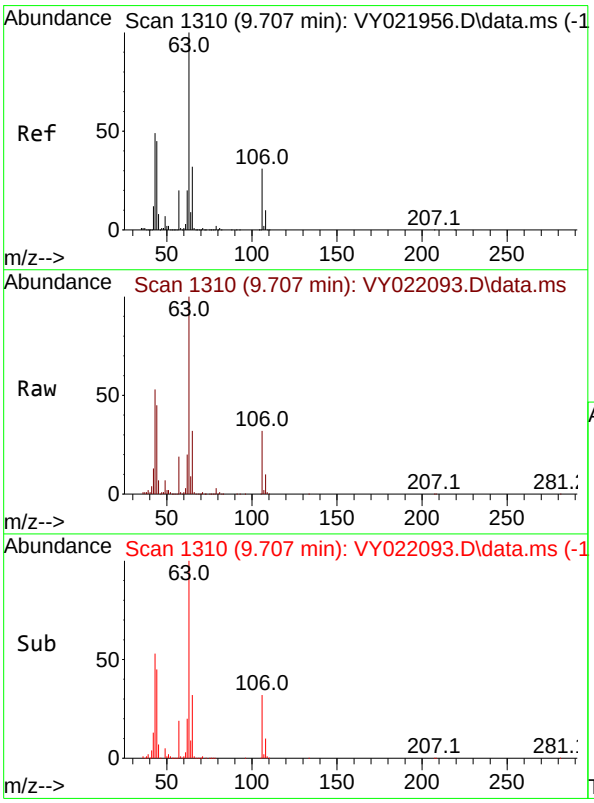
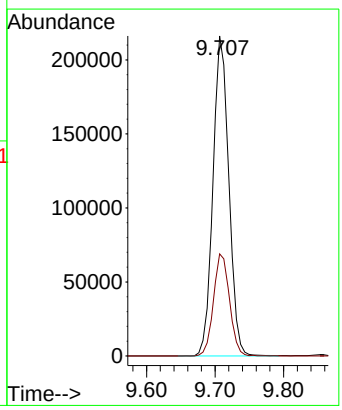
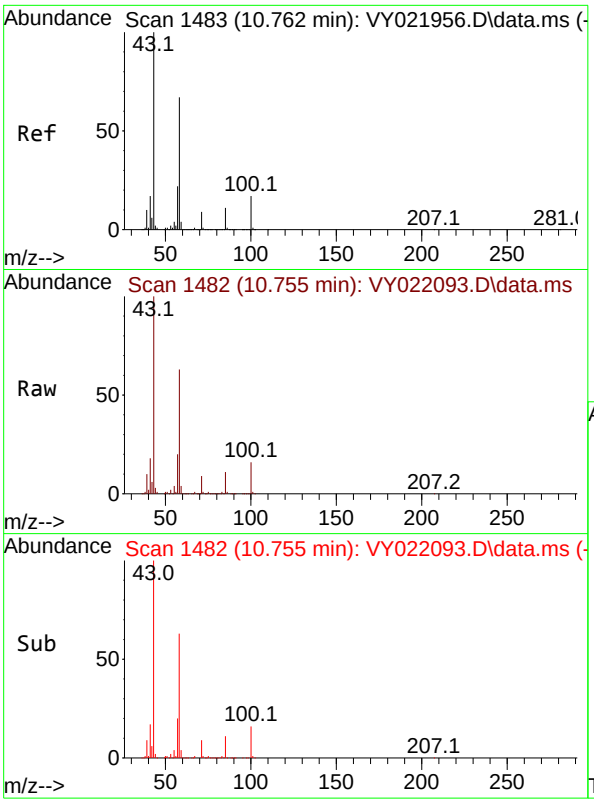


#58
2-Chloroethyl Vinyl ether
Concen: 278.156 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 63 Resp: 346335

Ion	Ratio	Lower	Upper
63	100		
106	32.2	25.3	37.9





#59
2-Hexanone
Concen: 278.656 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 25601

Ion	Ratio	Lower	Upper
43	100		
58	63.4	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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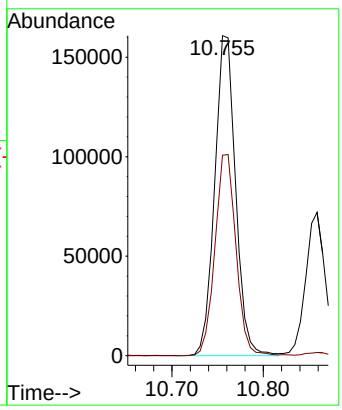
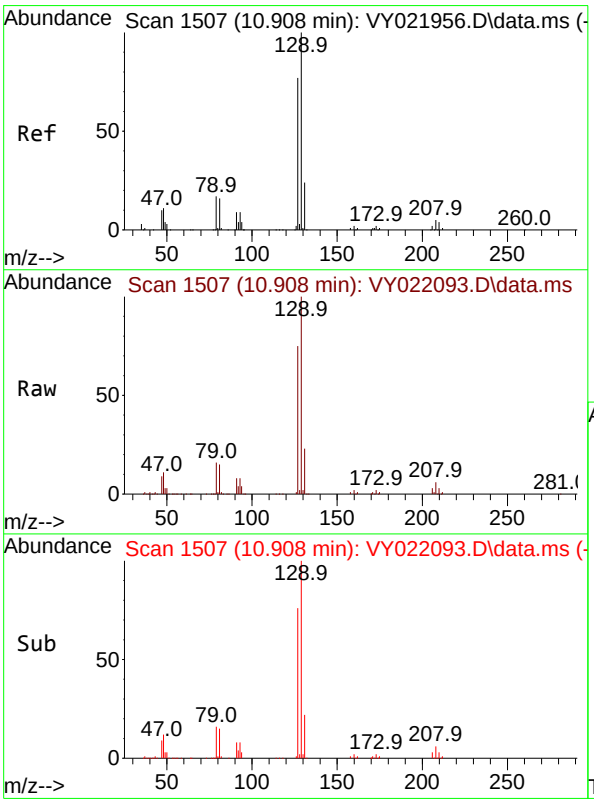
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

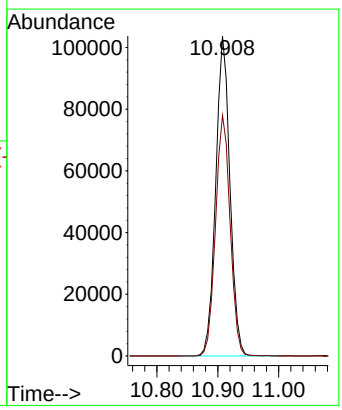


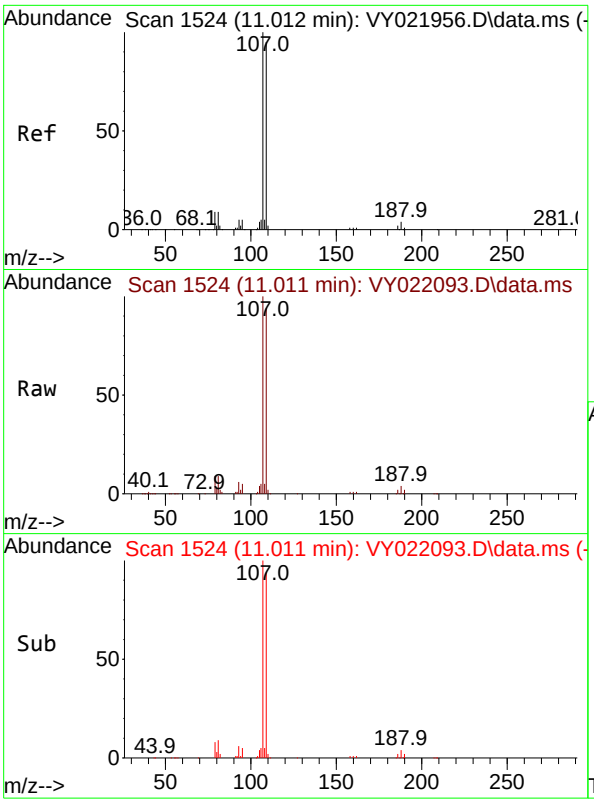


#60
Dibromochloromethane
Concen: 54.270 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:129 Resp: 167319

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.3

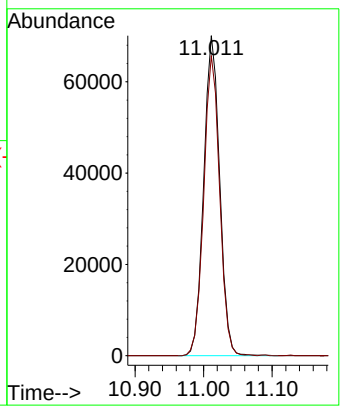




#61
1,2-Dibromoethane
Concen: 53.986 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:107 Resp: 11349

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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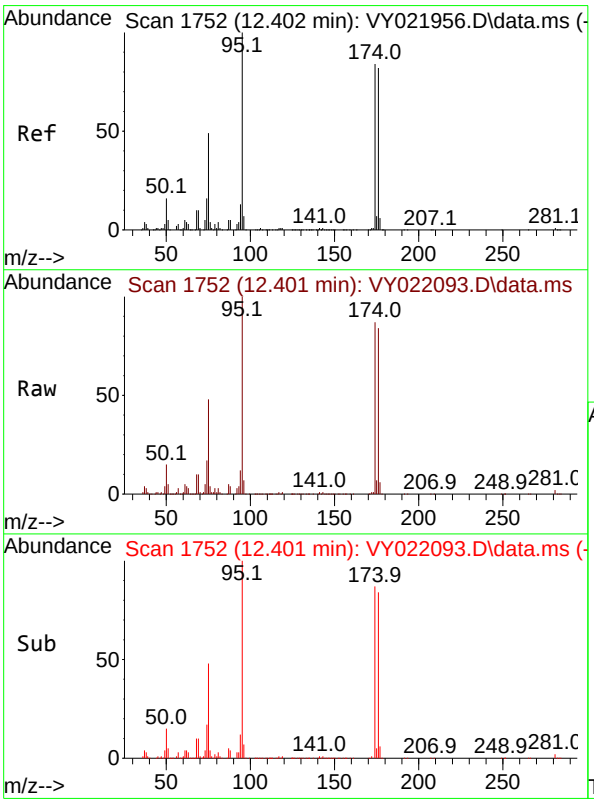
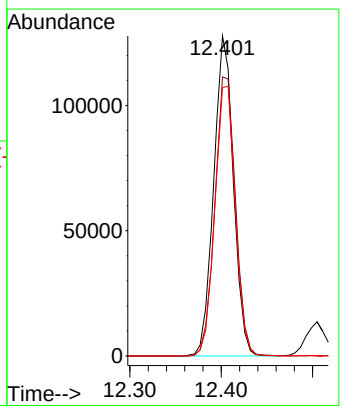
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

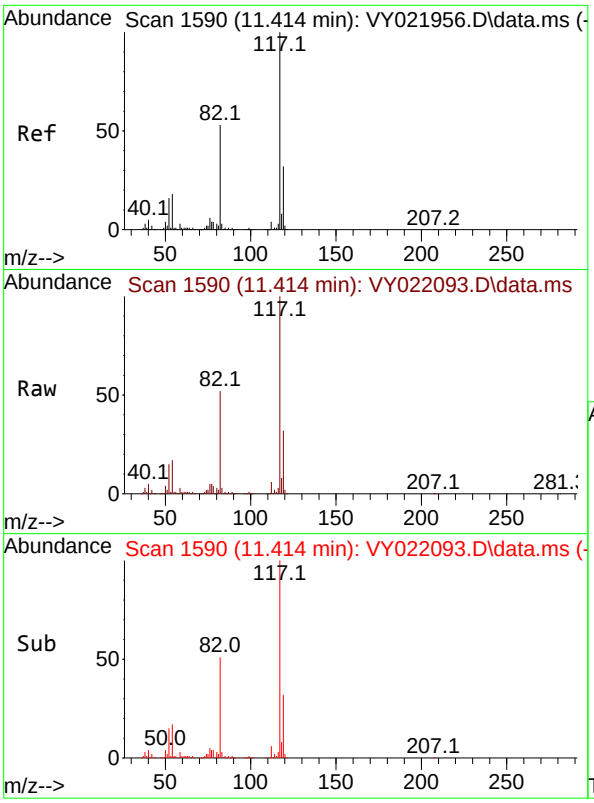


#62
4-Bromofluorobenzene
Concen: 52.603 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 95 Resp: 191468

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.0
176	87.7	0.0	171.8

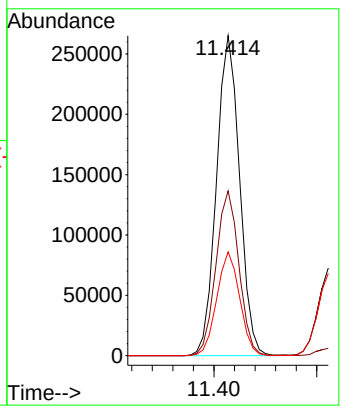




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:117 Resp: 41334

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.1	63.1
119	32.5	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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Reviewed By :Semsettin Yesilyurt 05/05/2025
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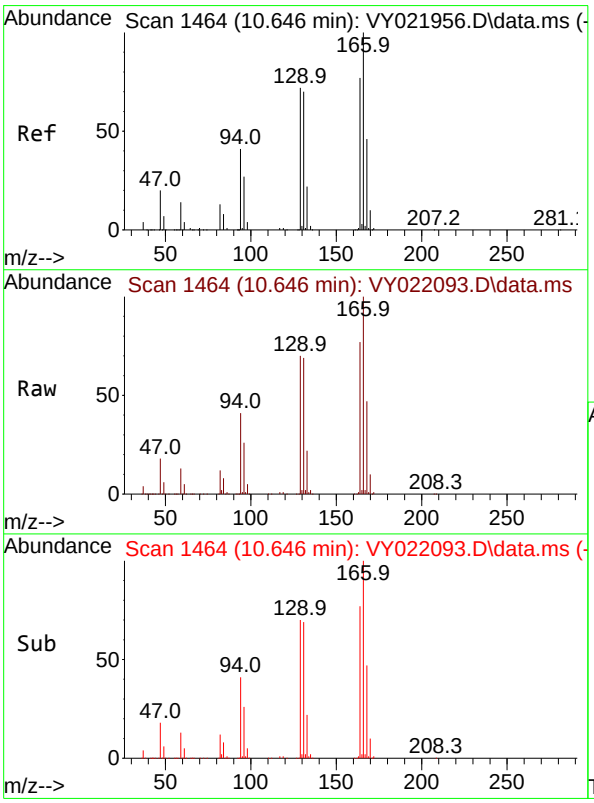
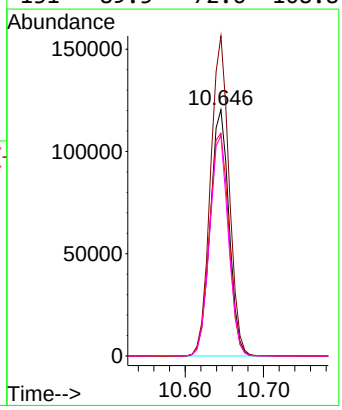
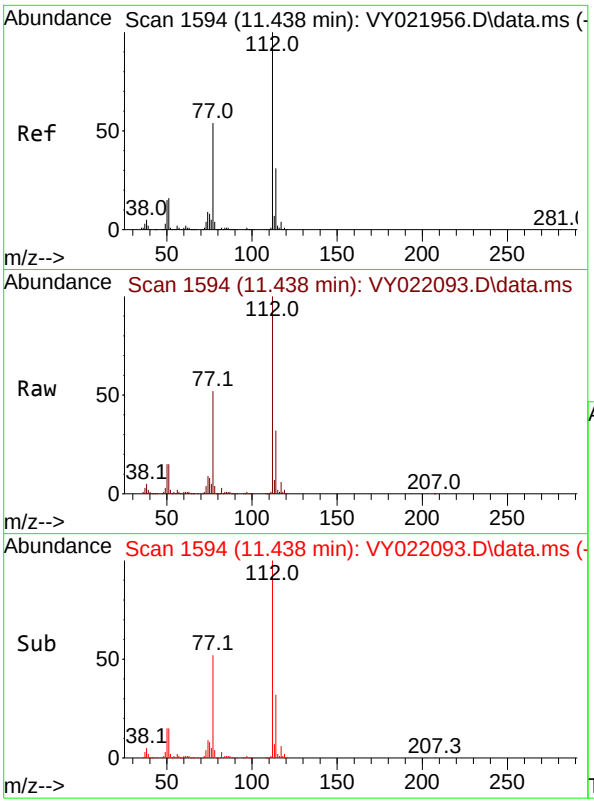


#64
Tetrachloroethene
Concen: 51.358 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:164 Resp: 200262

Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.6	155.4
129	90.5	74.2	111.4
131	89.5	72.6	108.8

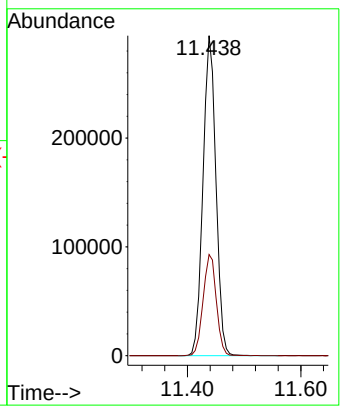




#65
Chlorobenzene
Concen: 50.141 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:112 Resp: 46347

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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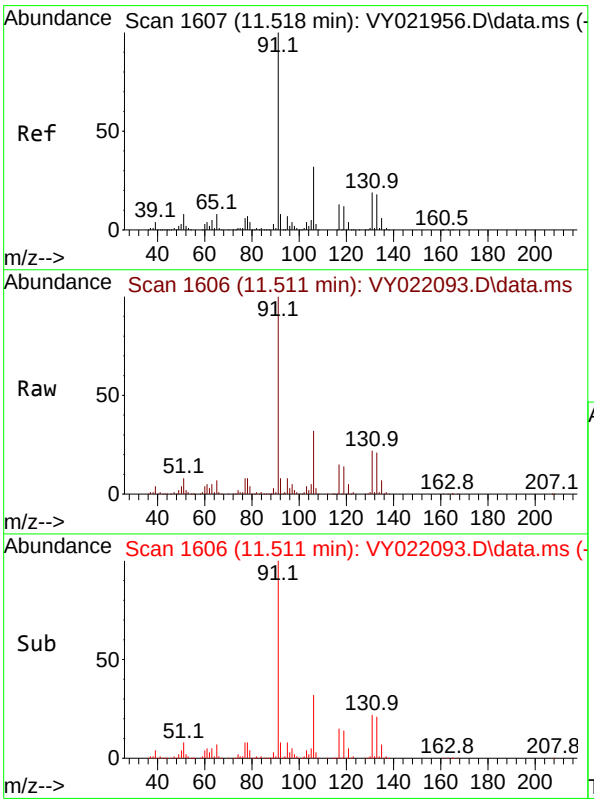
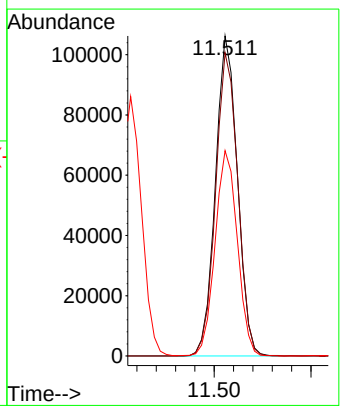
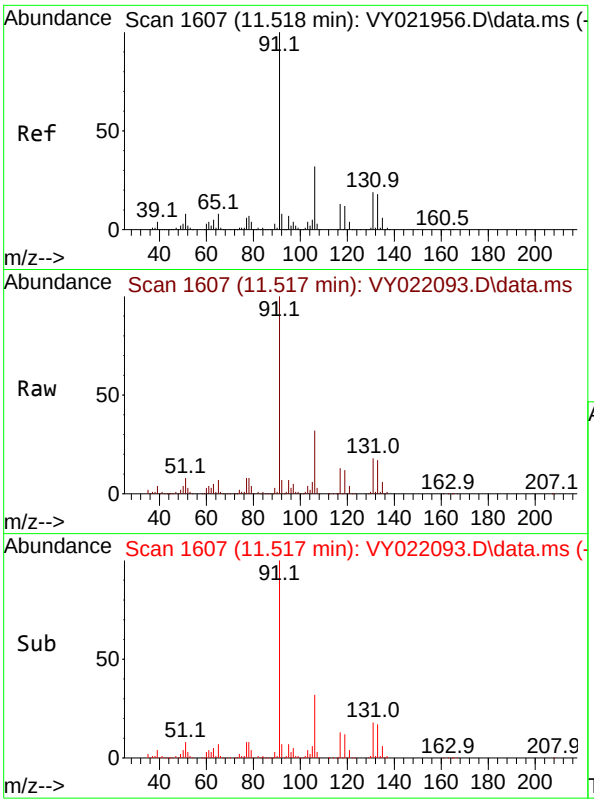


#66
1,1,1,2-Tetrachloroethane
Concen: 51.362 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:131 Resp: 167141

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.3
119	65.3	32.4	97.0

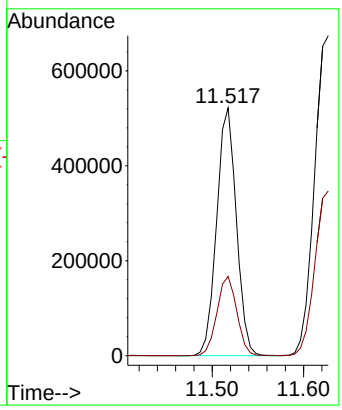




#67
Ethyl Benzene
Concen: 51.700 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 91 Resp: 78174

Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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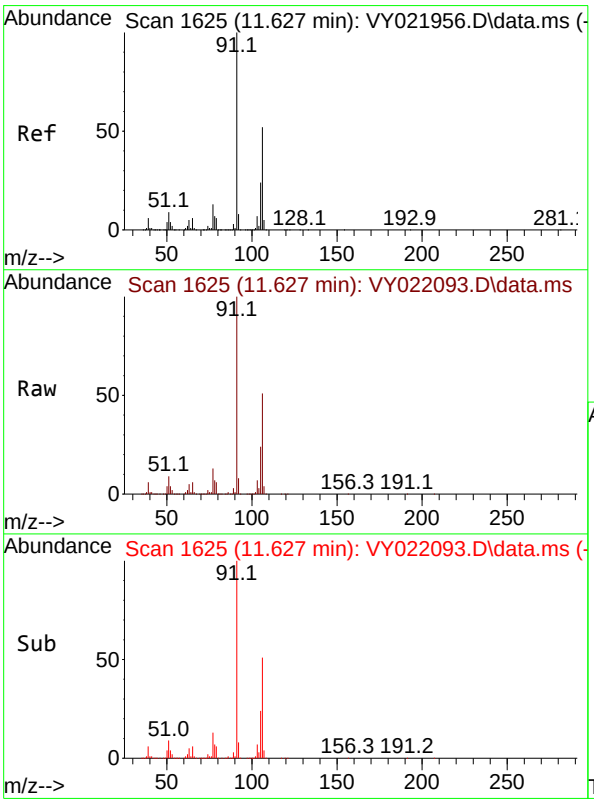
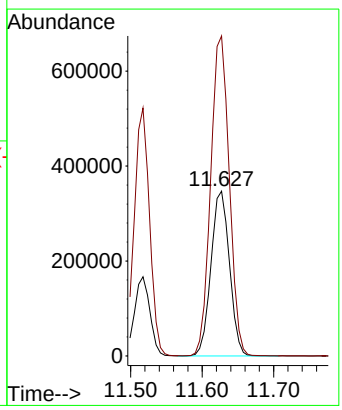
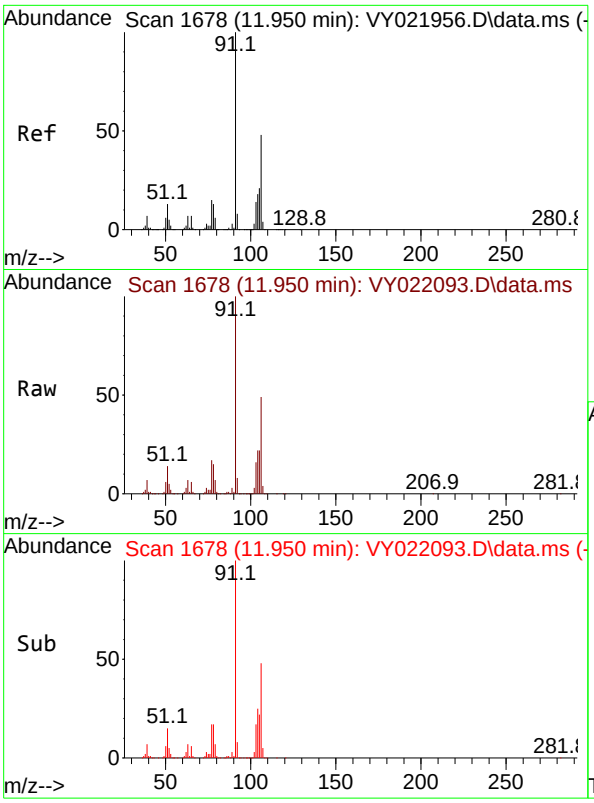


#68
m/p-Xylenes
Concen: 103.402 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:106 Resp: 622156

Ion	Ratio	Lower	Upper
106	100		
91	195.5	156.2	234.2





#69
o-Xylene
Concen: 52.505 ug/l
RT: 11.950 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:106 Resp: 29117(

Ion	Ratio	Lower	Upper
106	100		
91	205.3	103.0	308.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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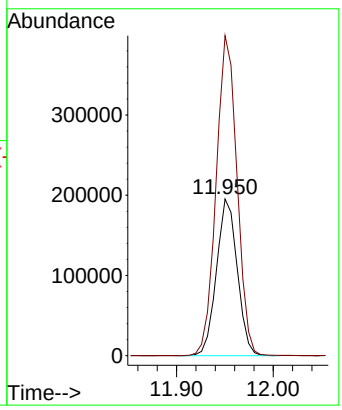
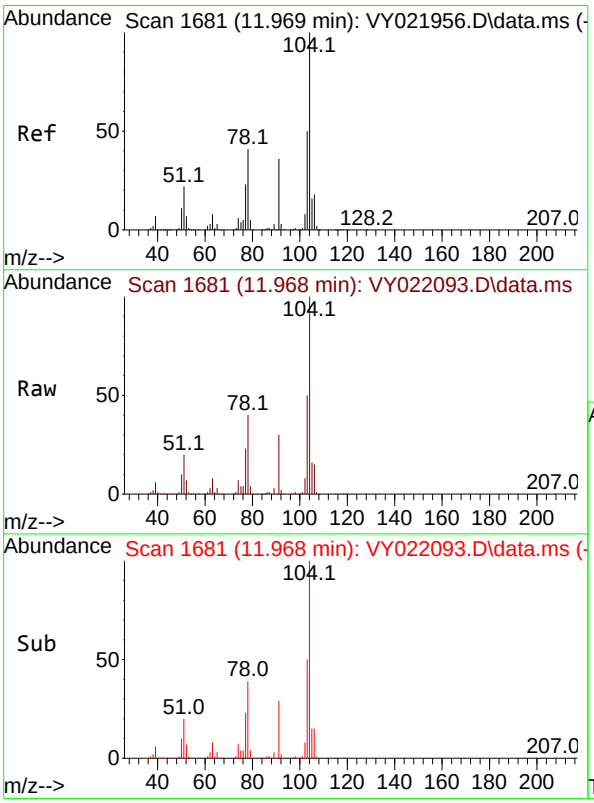
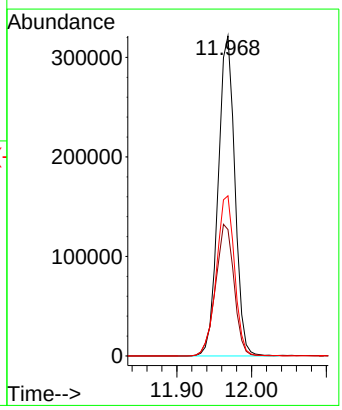


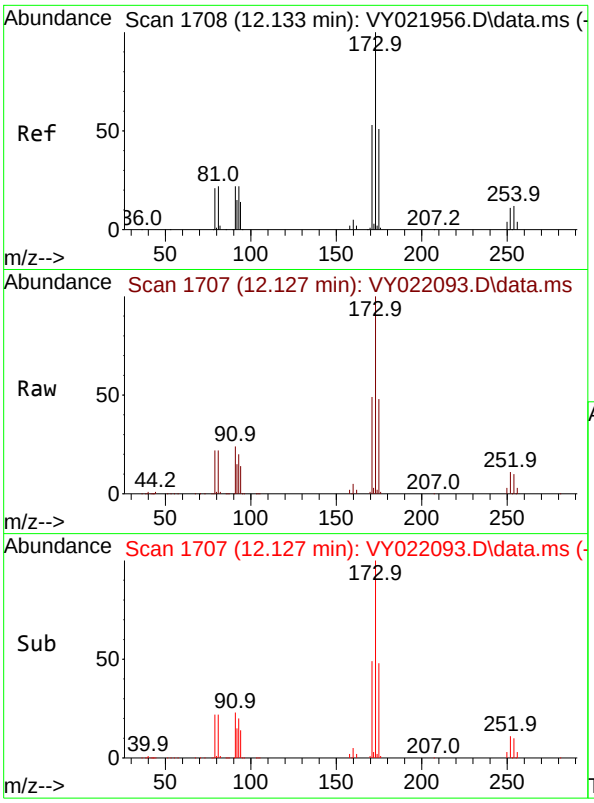


#70
Styrene
Concen: 53.759 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:104 Resp: 500569

Ion	Ratio	Lower	Upper
104	100		
78	45.6	36.6	54.8
103	54.5	43.8	65.8

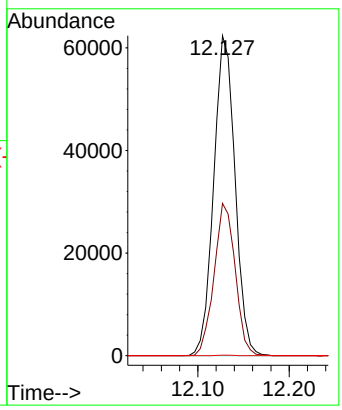




#71
Bromoform
Concen: 53.441 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:173 Resp: 10110

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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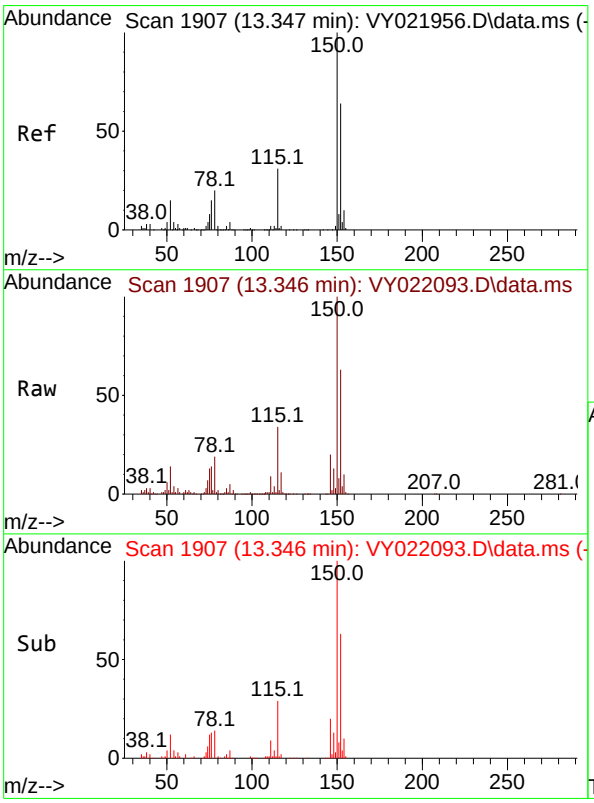
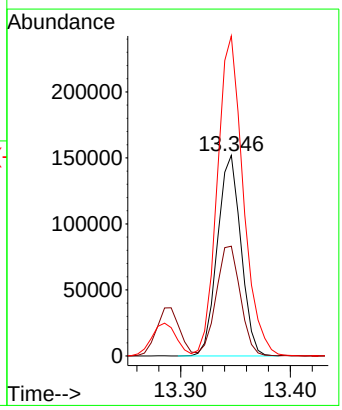
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

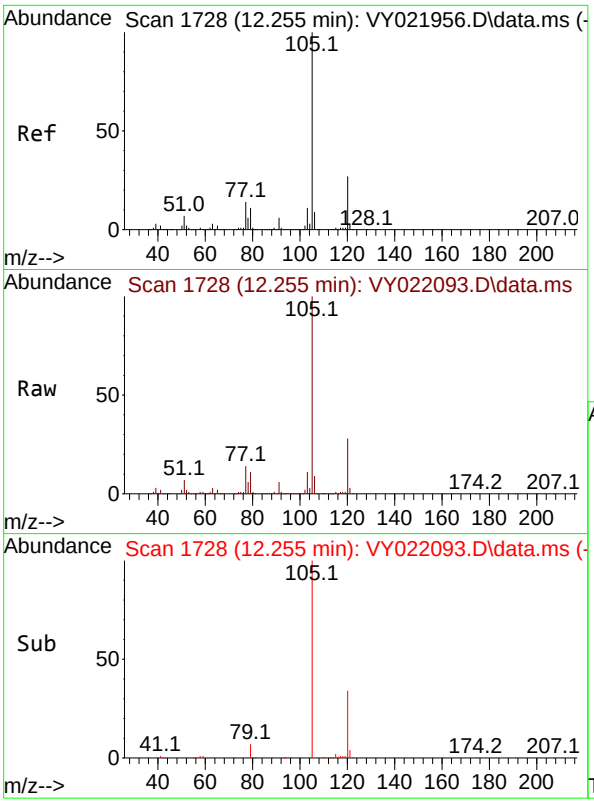


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:152 Resp: 226802

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.0	84.0
150	175.4	0.0	345.6

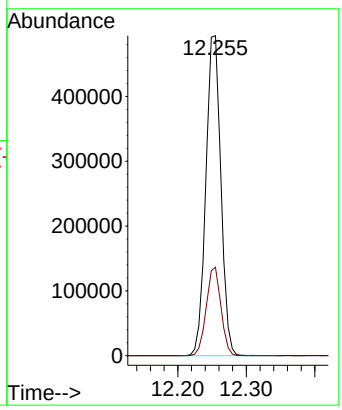




#73
Isopropylbenzene
Concen: 49.631 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:105 Resp: 7520

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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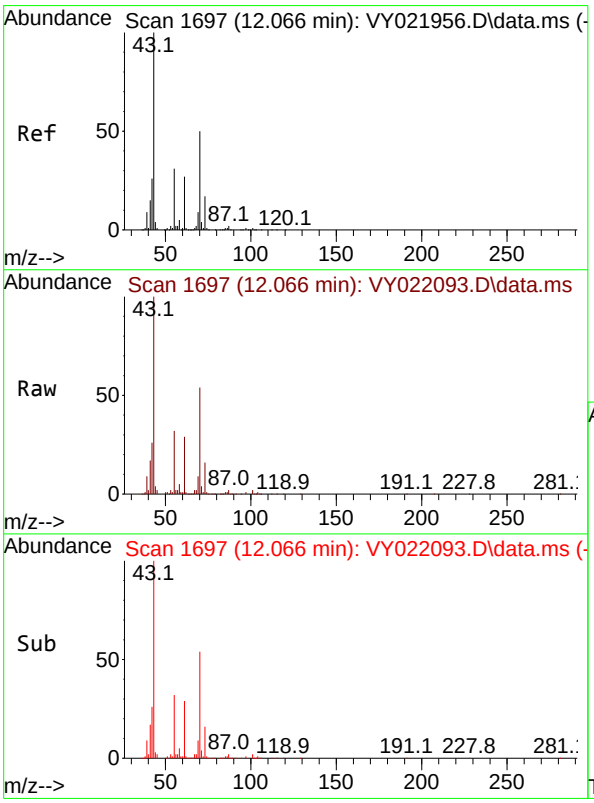
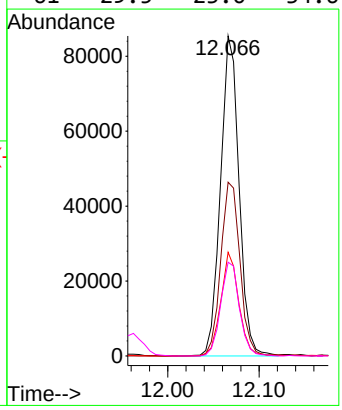
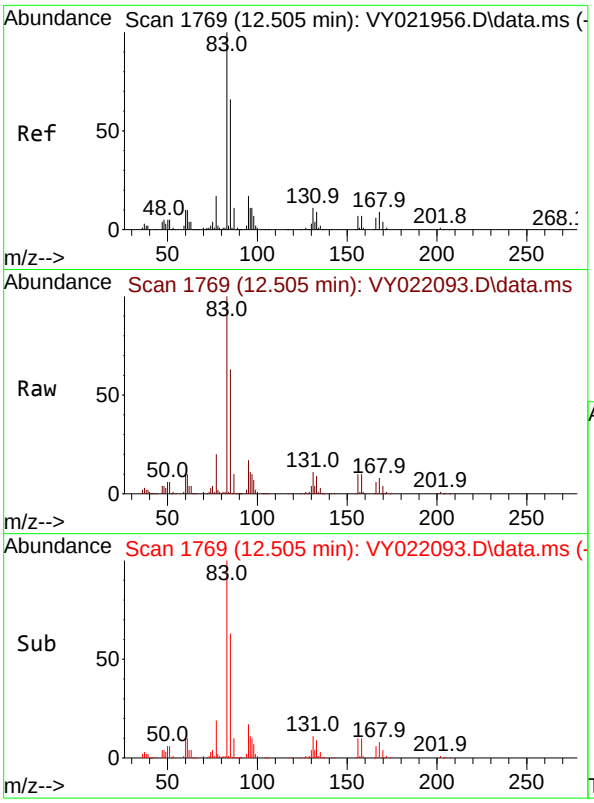


#74
N-amyl acetate
Concen: 46.307 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 120555

Ion	Ratio	Lower	Upper
43	100		
70	56.5	43.2	64.8
55	31.7	25.7	38.5
61	29.5	23.0	34.6

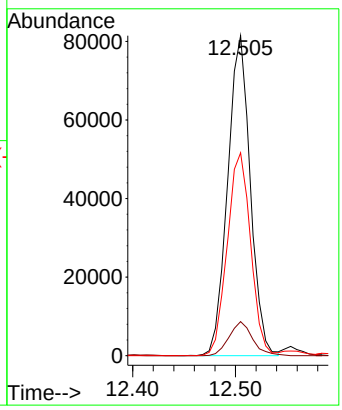




#75
1,1,2,2-Tetrachloroethane
Concen: 48.903 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 83 Resp: 12493

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	65.5	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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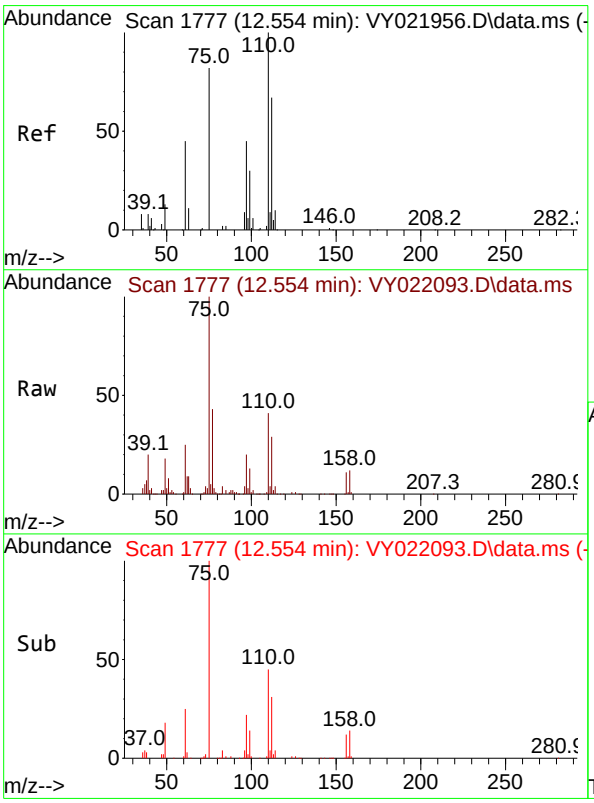
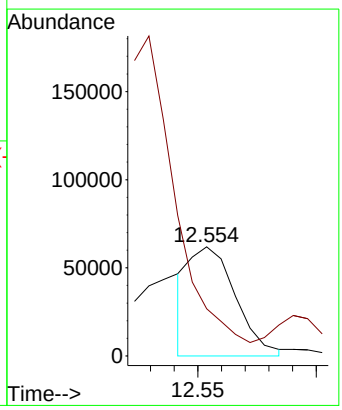
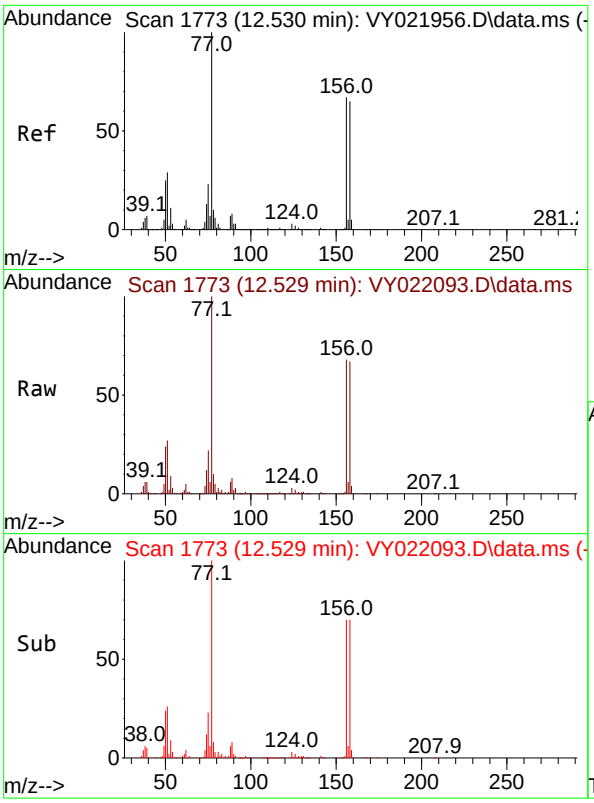


#76
1,2,3-Trichloropropane
Concen: 43.815 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 85118

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

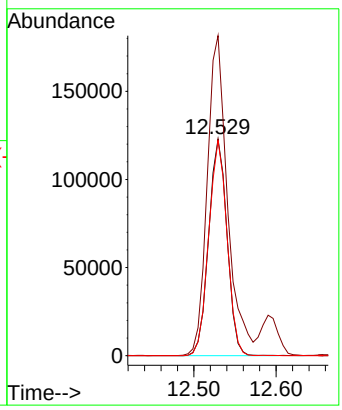




#77
Bromobenzene
Concen: 49.825 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:156 Resp: 19077

Ion	Ratio	Lower	Upper
156	100		
77	162.9	82.7	248.1
158	99.3	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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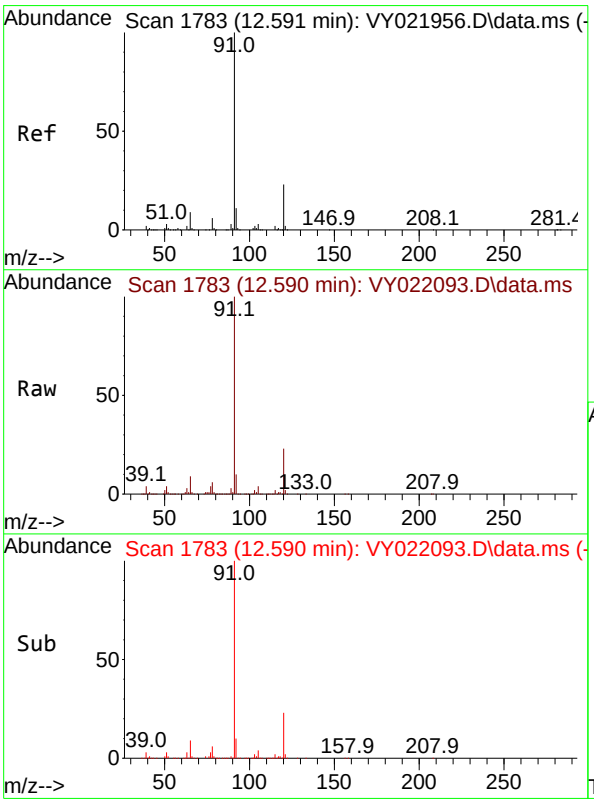
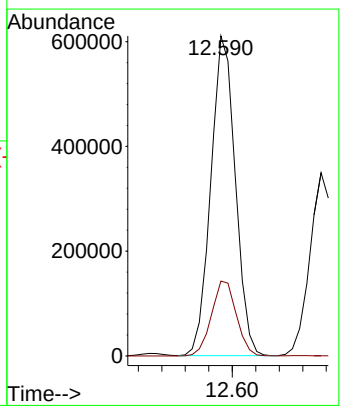
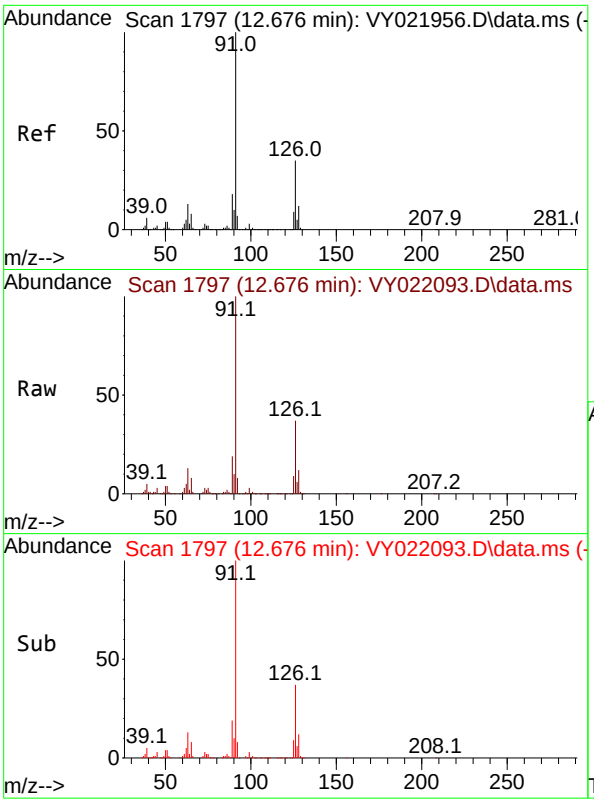


#78
n-propylbenzene
Concen: 48.936 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 91 Resp: 883060

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5





#79
2-Chlorotoluene
Concen: 48.949 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 91 Resp: 51369

Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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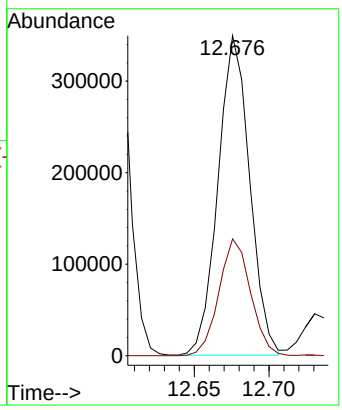
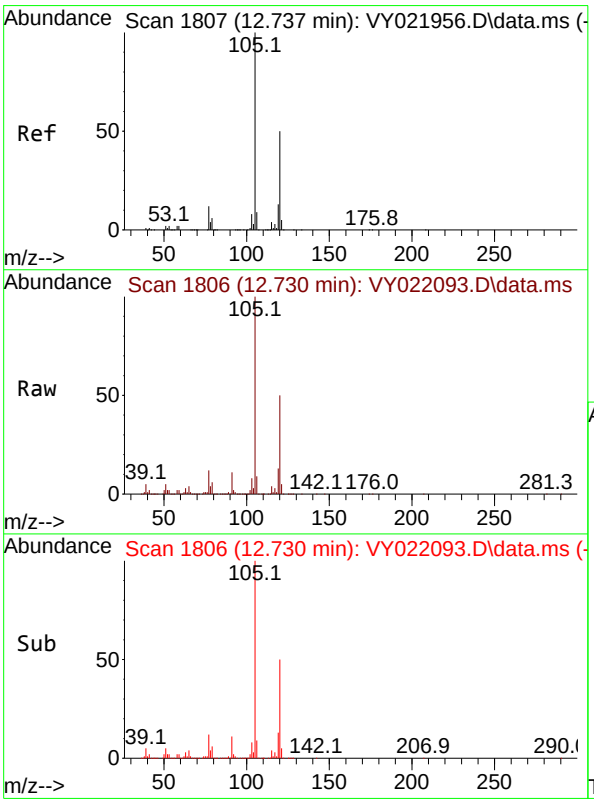
Supervised By :Mahesh Dadoda 05/05/2025

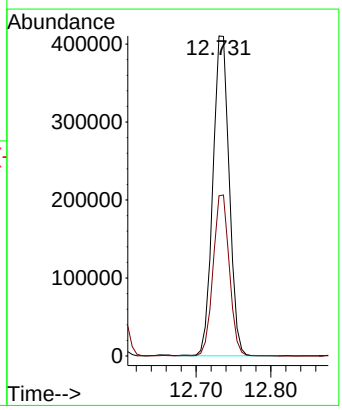


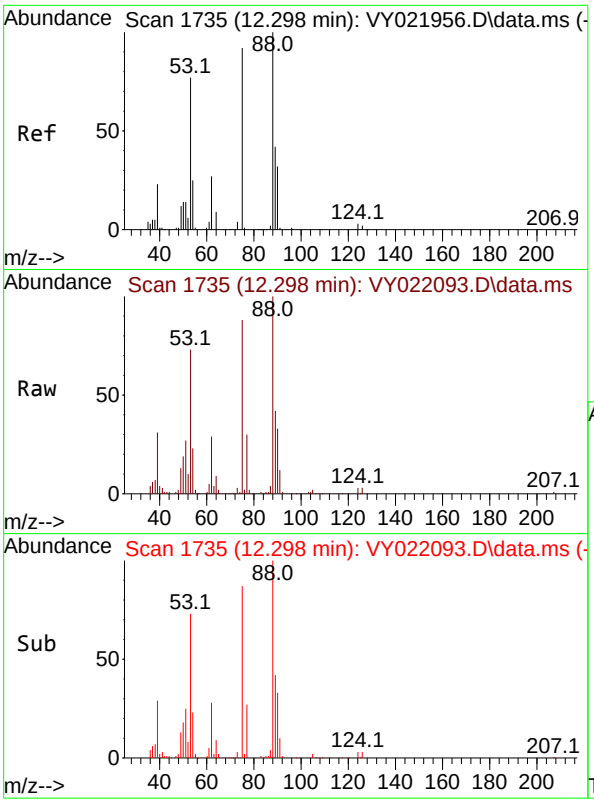


#80
1,3,5-Trimethylbenzene
Concen: 49.993 ug/l
RT: 12.730 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:105 Resp: 624160

Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 43.692 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

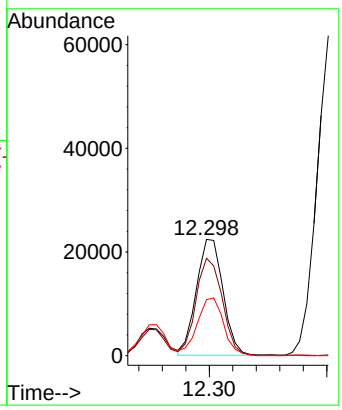
Tgt Ion: 75 Resp: 3524

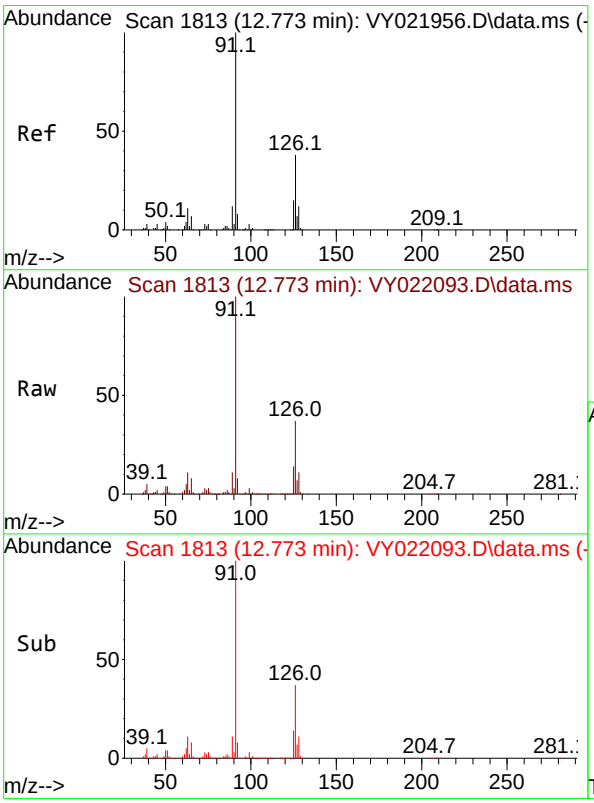
Ion	Ratio	Lower	Upper
75	100		
53	83.7	66.0	99.0
89	49.2	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

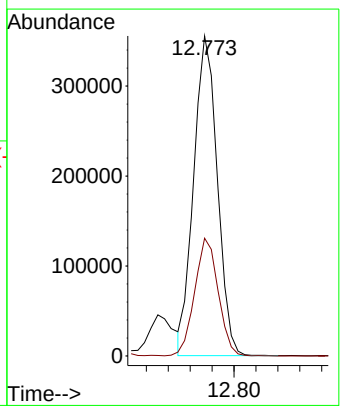


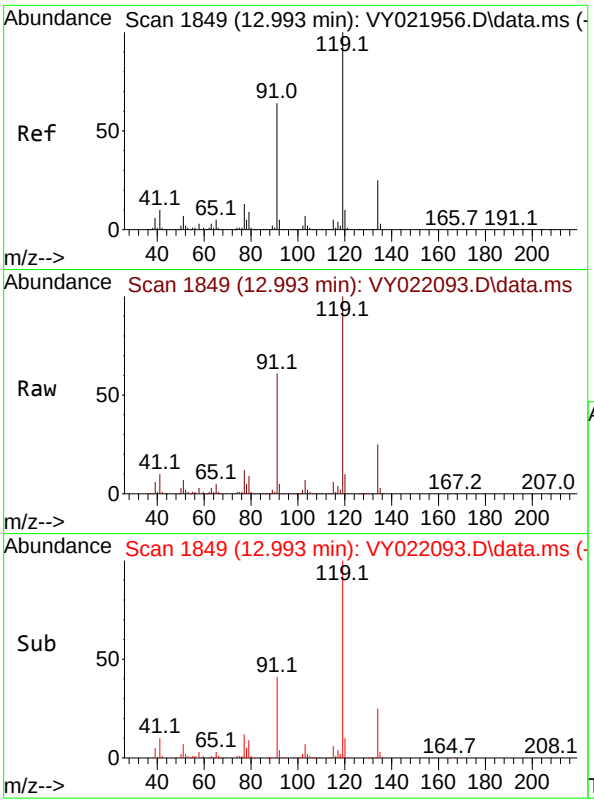


#82
4-Chlorotoluene
Concen: 48.749 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 91 Resp: 531810

Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.9	53.8





#83
tert-Butylbenzene
Concen: 50.206 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

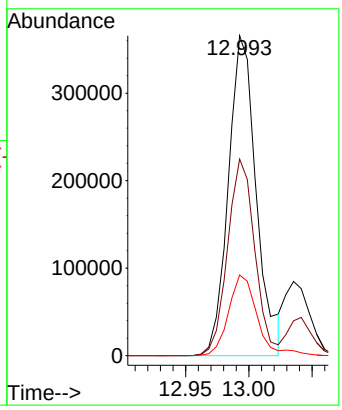
Tgt Ion:119 Resp: 56216

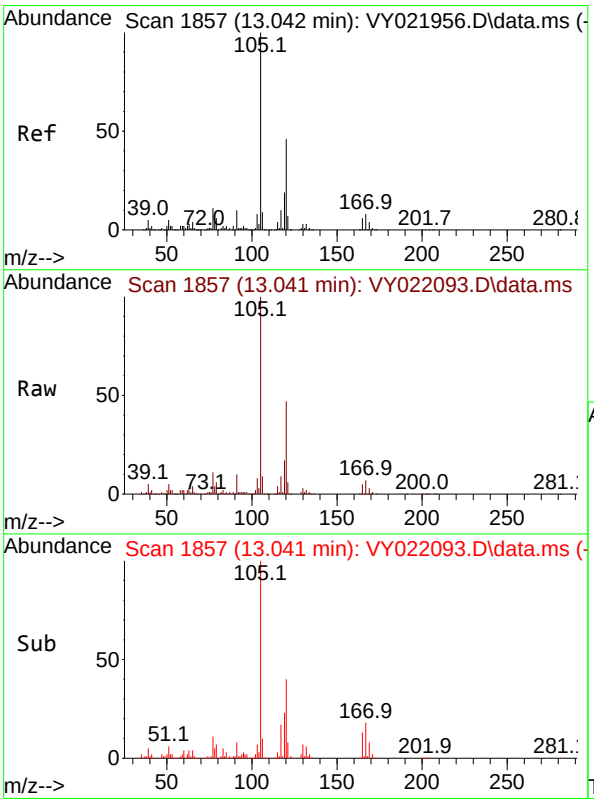
Ion	Ratio	Lower	Upper
119	100		
91	59.9	30.3	90.9
134	25.9	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

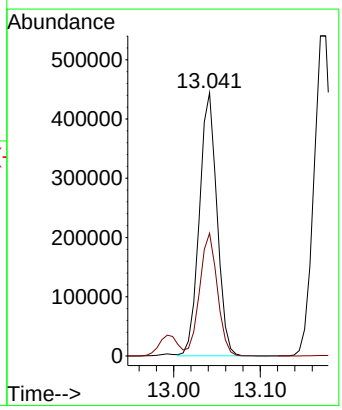


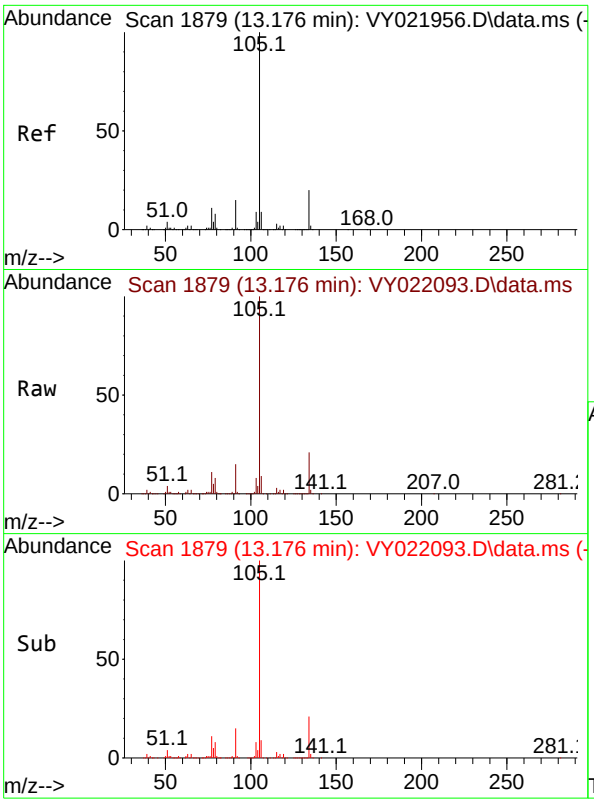


#84
1,2,4-Trimethylbenzene
Concen: 50.205 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:105 Resp: 626953

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.0





#85
sec-Butylbenzene
Concen: 49.077 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

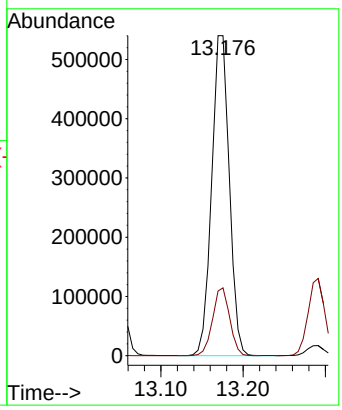
Tgt Ion:105 Resp: 80412

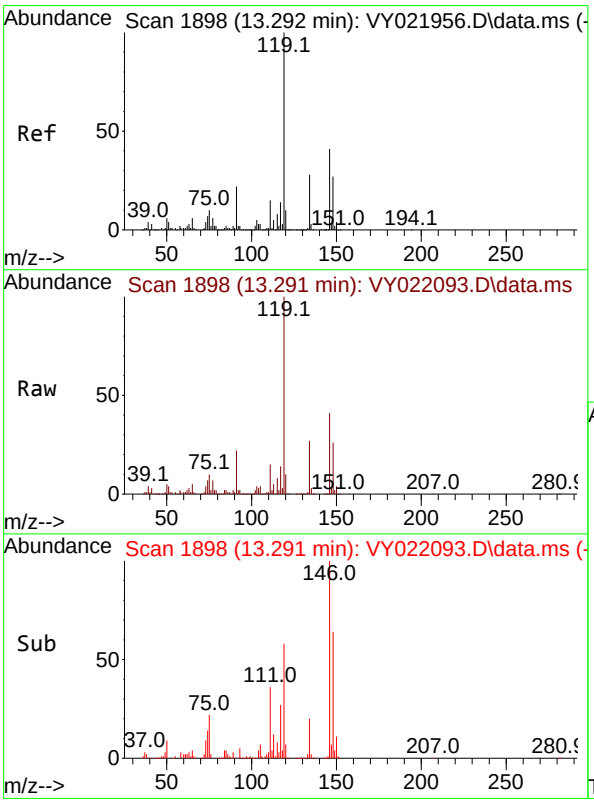
Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

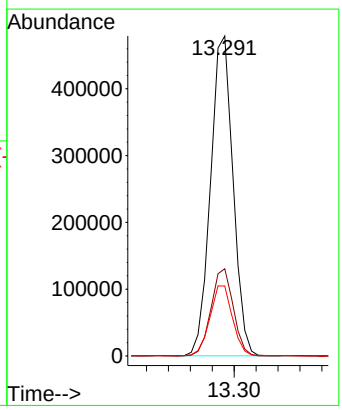


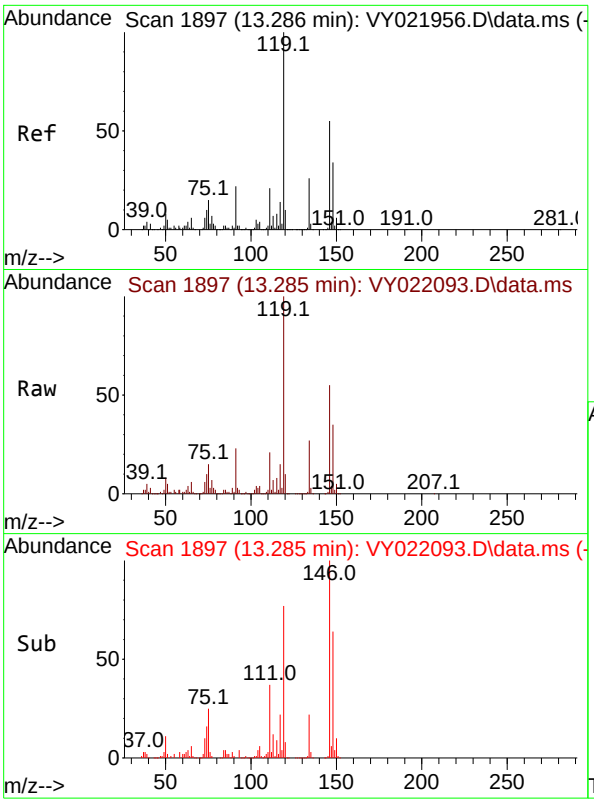


#86
p-Isopropyltoluene
Concen: 49.067 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:119 Resp: 682689

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.0	11.0	33.0

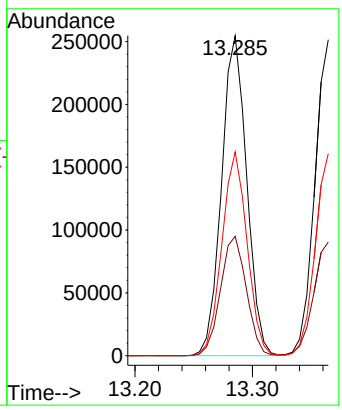




#87
1,3-Dichlorobenzene
Concen: 48.789 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:146 Resp: 37941

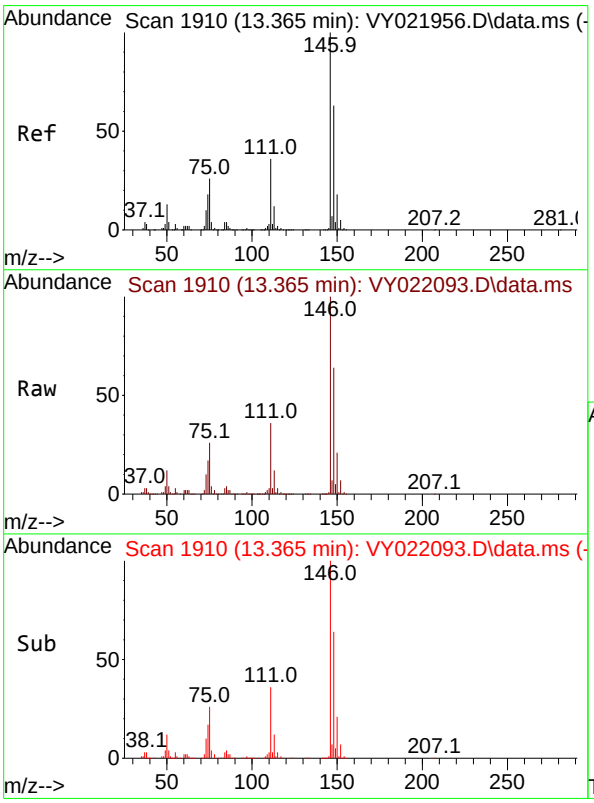
Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.8	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

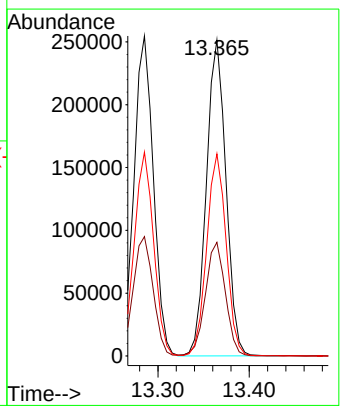
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

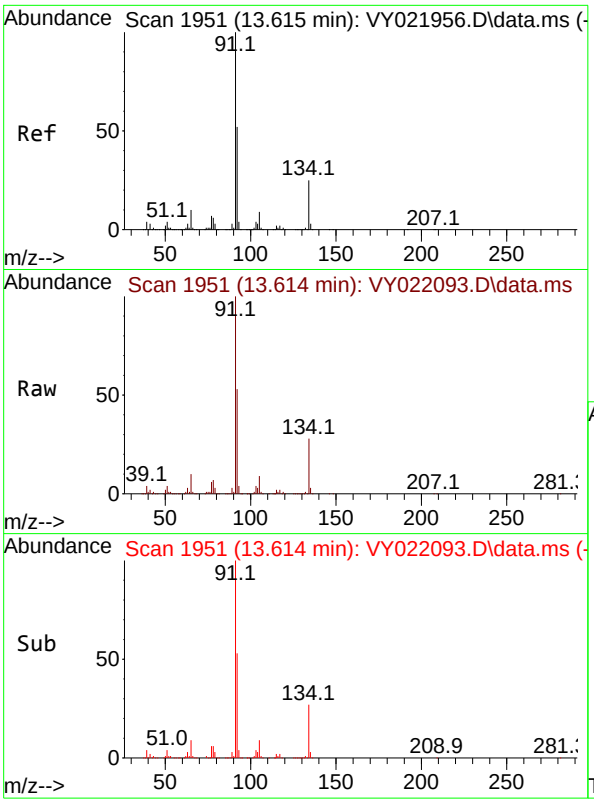


#88
1,4-Dichlorobenzene
Concen: 48.390 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:146 Resp: 372692

Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.2	57.6
148	63.7	32.0	96.0

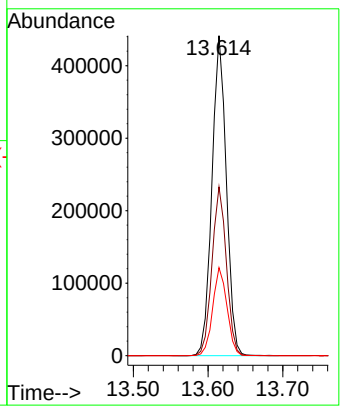




#89
n-Butylbenzene
Concen: 47.384 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 91 Resp: 58928

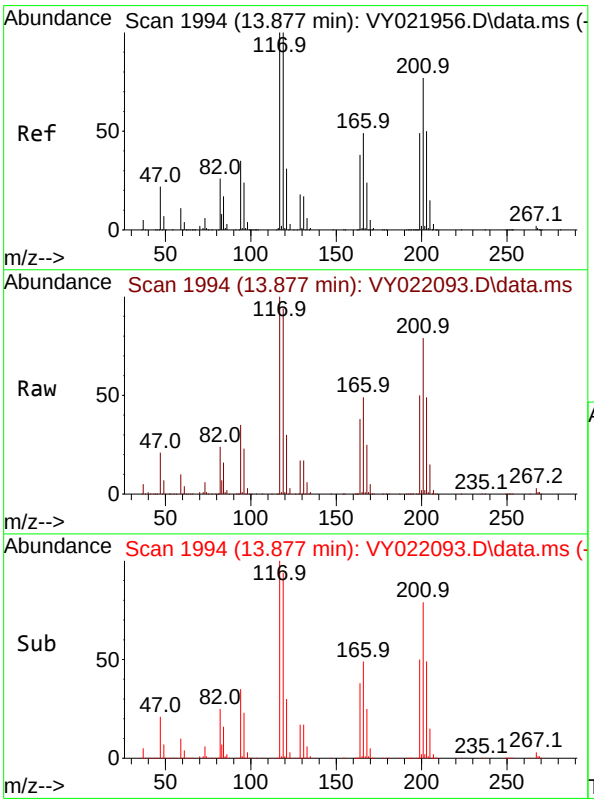
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	27.4	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

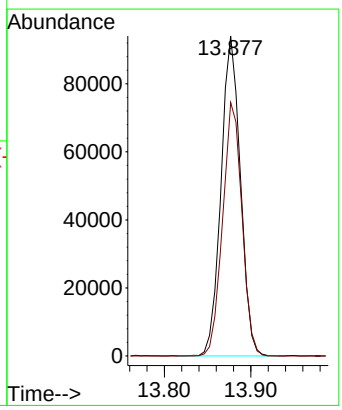
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

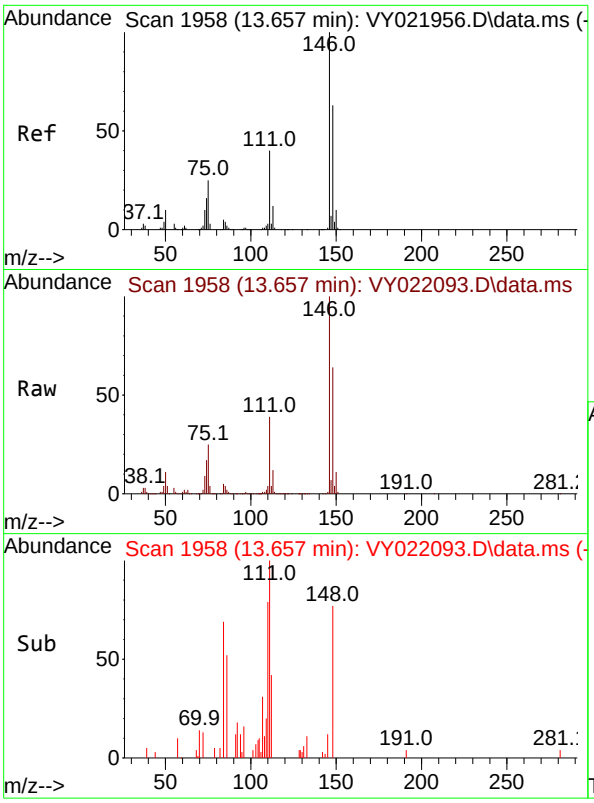


#90
Hexachloroethane
Concen: 47.724 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:117 Resp: 145885

Ion	Ratio	Lower	Upper
117	100		
201	79.0	38.7	116.1

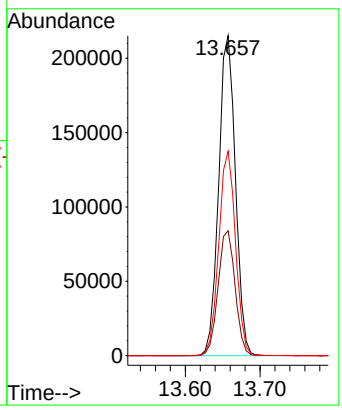




#91
1,2-Dichlorobenzene
Concen: 49.546 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:146 Resp: 33606

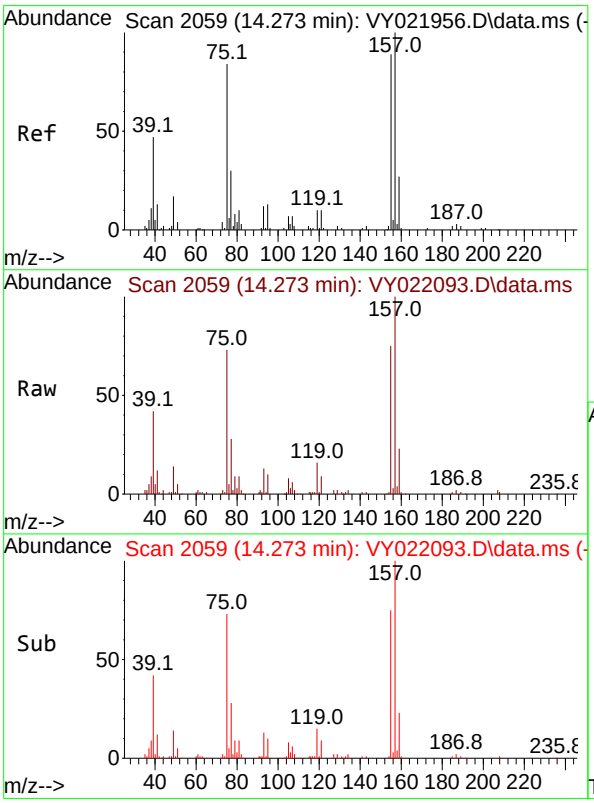
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	63.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

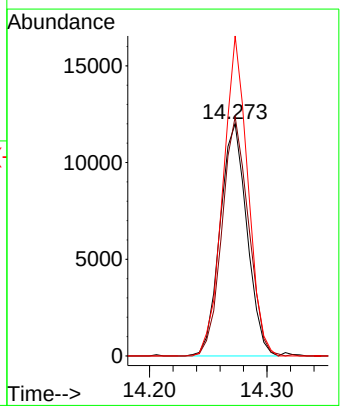
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

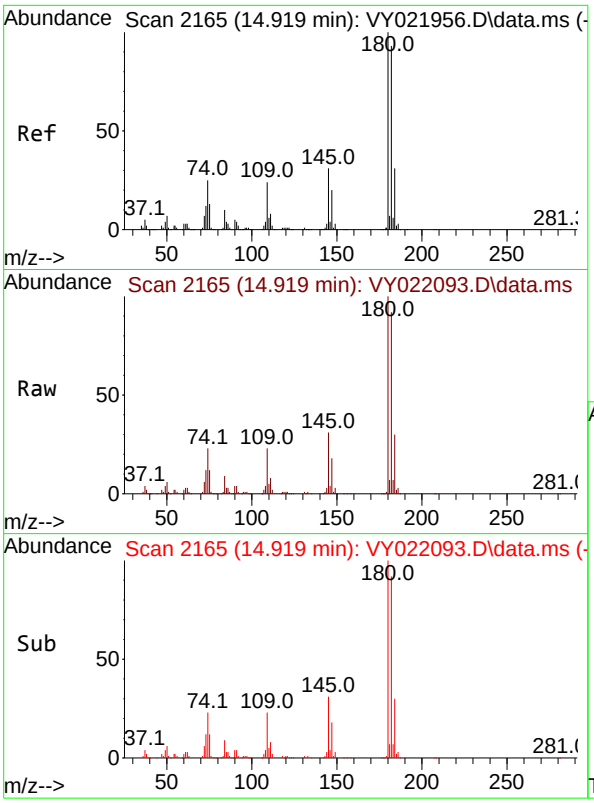


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.884 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 19056

Ion	Ratio	Lower	Upper
75	100		
155	101.3	50.7	152.3
157	126.9	62.6	187.8

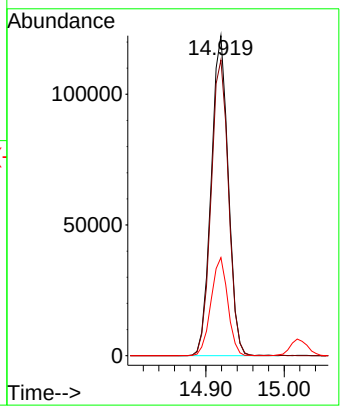




#93
1,2,4-Trichlorobenzene
Concen: 48.224 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:180 Resp: 18535

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.4
145	30.0	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
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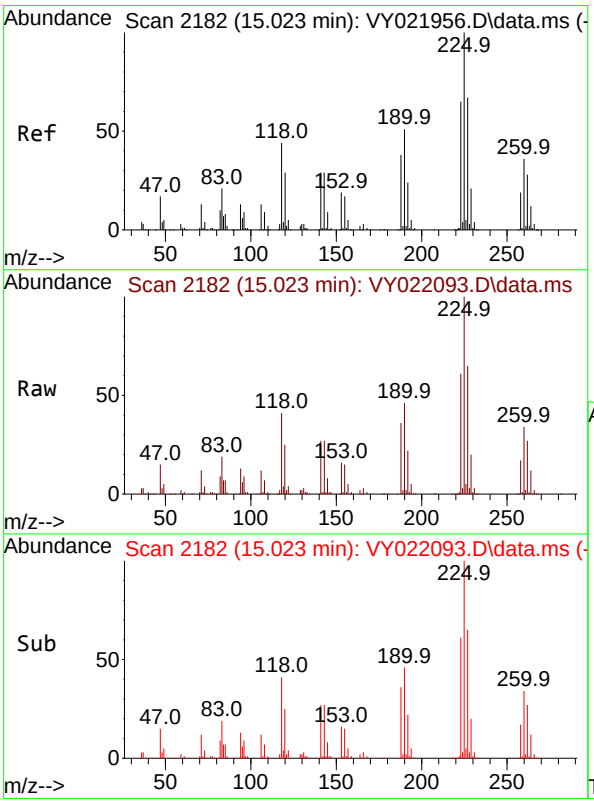
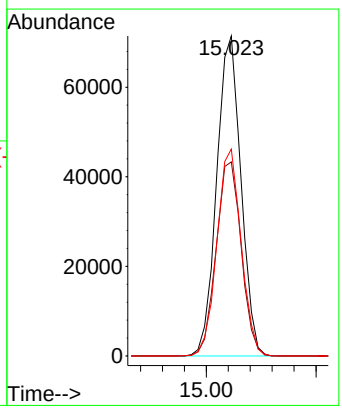
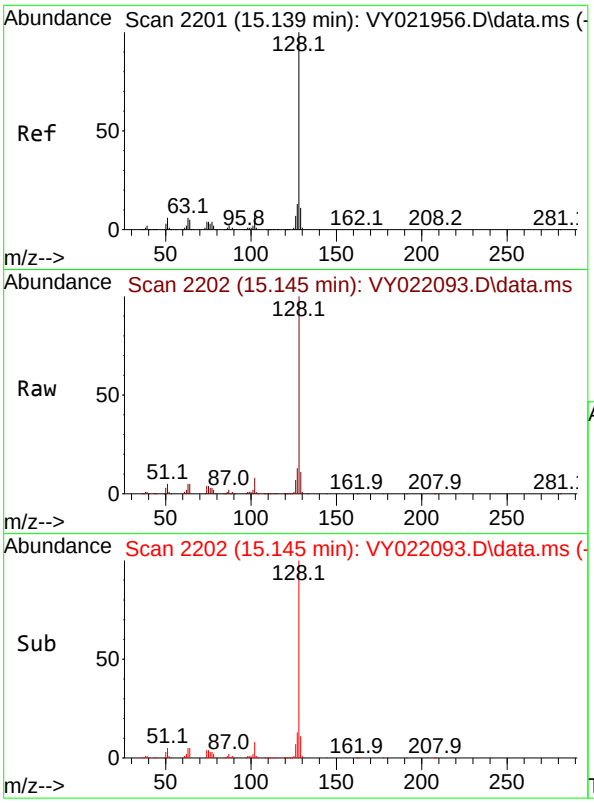


#94
Hexachlorobutadiene
Concen: 46.383 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:225 Resp: 109687

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	64.6	32.3	96.9

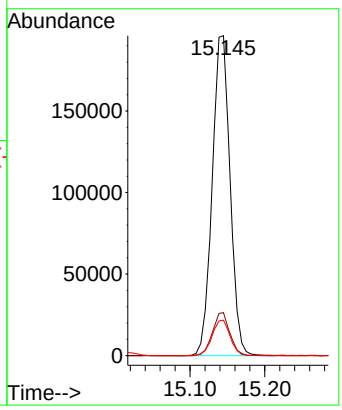




#95
Naphthalene
Concen: 51.039 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:128 Resp: 32587

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.2	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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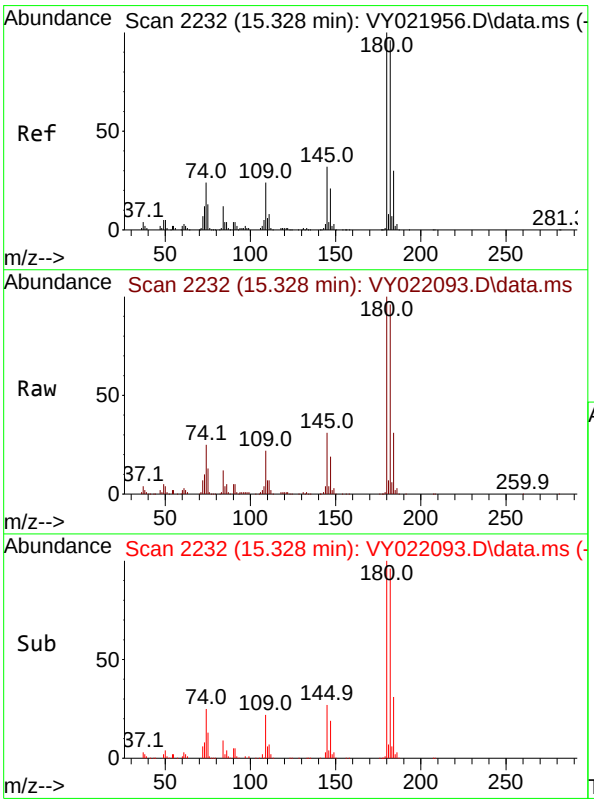
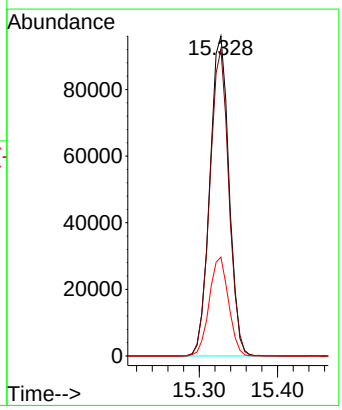
Supervised By :Mahesh Dadoda 05/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.013 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:180 Resp: 162616

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.4
145	31.1	16.0	48.0



Evaluate Continuing Calibration Report

Sample Results: **VY022093.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	87	0.00
2	T	Dichlorodifluoromethane	0.426	0.377	11.5	84	0.00
3	P	Chloromethane	0.607	0.596	1.8	86	0.00
4	C	Vinyl Chloride	0.745	0.742	0.4#	88	0.00
5	T	Bromomethane	0.642	0.571	11.1	83	0.00
6	T	Chloroethane	0.508	0.491	3.3	86	0.00
7	T	Trichlorofluoromethane	0.983	0.955	2.8	87	0.00
8	T	Diethyl Ether	0.256	0.256	0.0	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.494	7.3	88	0.00
10	T	Methyl Iodide	0.617	0.659	-6.8	91	0.00
11	T	Tert butyl alcohol	0.025	0.026	-4.0	85	-0.01
12	CM	1,1-Dichloroethene	0.497	0.485	2.4#	90	0.00
13	T	Acrolein	0.046	0.035	23.9	71	0.00
14	T	Allyl chloride	0.579	0.571	1.4	89	0.00
15	T	Acrylonitrile	0.094	0.098	-4.3	91	0.00
16	T	Acetone	0.070	0.066	5.7	91	0.00
17	T	Carbon Disulfide	1.585	1.507	4.9	88	0.00
18	T	Methyl Acetate	0.216	0.325	-50.5#	127	0.00
19	T	Methyl tert-butyl Ether	1.113	1.161	-4.3	89	0.00
20	T	Methylene Chloride	0.584	0.555	5.0	91	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.574	-3.1	94	0.00
22	T	Diisopropyl ether	1.288	1.344	-4.3	91	0.00
23	T	Vinyl Acetate	0.694	0.671	3.3	82	0.00
24	P	1,1-Dichloroethane	0.893	0.898	-0.6	92	0.00
25	T	2-Butanone	0.105	0.108	-2.9	89	0.00
26	T	2,2-Dichloropropane	0.782	0.671	14.2	79	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.650	-4.5	92	0.00
28	T	Bromochloromethane	0.347	0.336	3.2	85	0.00
29	T	Tetrahydrofuran	0.068	0.073	-7.4	87	0.00
30	C	Chloroform	0.990	1.025	-3.5#	93	0.00
31	T	Cyclohexane	0.763	0.706	7.5	87	0.00
32	T	1,1,1-Trichloroethane	0.896	0.896	0.0	91	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.469	-1.5	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.330	0.334	-1.2	88	0.00
36	T	1,1-Dichloropropene	0.444	0.442	0.5	90	0.00
37	T	Ethyl Acetate	0.159	0.157	1.3	84	0.00
38	T	Carbon Tetrachloride	0.530	0.530	0.0	91	0.00
39	T	Methylcyclohexane	0.558	0.540	3.2	85	0.00
40	TM	Benzene	1.387	1.437	-3.6	93	0.00
41	T	Methacrylonitrile	0.087	0.088	-1.1	84	0.00
42	TM	1,2-Dichloroethane	0.343	0.352	-2.6	91	0.00
43	T	Isopropyl Acetate	0.306	0.316	-3.3	88	0.00
44	TM	Trichloroethene	0.384	0.397	-3.4	94	0.00
45	C	1,2-Dichloropropane	0.307	0.316	-2.9#	92	0.00
46	T	Dibromomethane	0.192	0.203	-5.7	94	0.00
47	T	Bromodichloromethane	0.480	0.510	-6.3	94	0.00
48	T	Methyl methacrylate	0.141	0.150	-6.4	87	0.00

Sample Results: **VY022093.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	95	0.00
50	S	Toluene-d8	1.245	1.294	-3.9	88	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.178	-11.2	90	0.00
52	CM	Toluene	0.898	0.954	-6.2#	93	0.00
53	T	t-1,3-Dichloropropene	0.411	0.419	-1.9	87	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.498	-1.8	89	0.00
55	T	1,1,2-Trichloroethane	0.256	0.277	-8.2	94	0.00
56	T	Ethyl methacrylate	0.293	0.318	-8.5	87	0.00
57	T	1,3-Dichloropropane	0.411	0.441	-7.3	94	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.160	-11.9	86	0.00
59	T	2-Hexanone	0.106	0.118	-11.3	89	0.00
60	T	Dibromochloromethane	0.355	0.385	-8.5	95	0.00
61	T	1,2-Dibromoethane	0.242	0.261	-7.9	94	0.00
62	S	4-Bromofluorobenzene	0.419	0.441	-5.3	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.472	0.484	-2.5	96	0.00
65	PM	Chlorobenzene	1.118	1.121	-0.3	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.404	-2.5	94	0.00
67	C	Ethyl Benzene	1.829	1.891	-3.4#	93	0.00
68	T	m/p-Xylenes	0.728	0.753	-3.4	92	0.00
69	T	o-Xylene	0.671	0.704	-4.9	92	0.00
70	T	Styrene	1.126	1.211	-7.5	93	0.00
71	P	Bromoform	0.229	0.245	-7.0	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.341	3.316	0.7	92	0.00
74	T	N-amyl acetate	0.574	0.532	7.3	83	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.551	2.1	93	0.00
76	T	1,2,3-Trichloropropane	0.428	0.375	12.4	85	0.00
77	T	Bromobenzene	0.844	0.841	0.4	94	0.00
78	T	n-propylbenzene	3.978	3.894	2.1	90	0.00
79	T	2-Chlorotoluene	2.314	2.265	2.1	92	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.752	0.0	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.155	12.9	81	0.00
82	T	4-Chlorotoluene	2.405	2.345	2.5	91	0.00
83	T	tert-Butylbenzene	2.468	2.479	-0.4	92	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.764	-0.4	92	0.00
85	T	sec-Butylbenzene	3.612	3.546	1.8	91	0.00
86	T	p-Isopropyltoluene	3.067	3.010	1.9	90	0.00
87	T	1,3-Dichlorobenzene	1.714	1.673	2.4	94	0.00
88	T	1,4-Dichlorobenzene	1.698	1.643	3.2	94	0.00
89	T	n-Butylbenzene	2.742	2.598	5.3	87	0.00
90	T	Hexachloroethane	0.674	0.643	4.6	93	0.00
91	T	1,2-Dichlorobenzene	1.495	1.482	0.9	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.084	6.7	92	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.817	3.5	92	0.00
94	T	Hexachlorobutadiene	0.521	0.484	7.1	93	0.00
95	T	Naphthalene	1.408	1.437	-2.1	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.717	1.9	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022093.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	87	0.00
2	T	Dichlorodifluoromethane	50.000	44.273	11.5	84	0.00
3	P	Chloromethane	50.000	49.110	1.8	86	0.00
4	C	Vinyl Chloride	50.000	49.757	0.5#	88	0.00
5	T	Bromomethane	50.000	44.478	11.0	83	0.00
6	T	Chloroethane	50.000	48.372	3.3	86	0.00
7	T	Trichlorofluoromethane	50.000	48.555	2.9	87	0.00
8	T	Diethyl Ether	50.000	50.107	-0.2	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.344	7.3	88	0.00
10	T	Methyl Iodide	50.000	53.408	-6.8	91	0.00
11	T	Tert butyl alcohol	250.000	252.019	-0.8	85	-0.01
12	CM	1,1-Dichloroethene	50.000	48.803	2.4#	90	0.00
13	T	Acrolein	250.000	189.869	24.1	71	0.00
14	T	Allyl chloride	50.000	49.330	1.3	89	0.00
15	T	Acrylonitrile	250.000	260.682	-4.3	91	0.00
16	T	Acetone	250.000	273.850	-9.5	91	0.00
17	T	Carbon Disulfide	50.000	47.541	4.9	88	0.00
18	T	Methyl Acetate	50.000	75.296	-50.6#	127	0.00
19	T	Methyl tert-butyl Ether	50.000	52.188	-4.4	89	0.00
20	T	Methylene Chloride	50.000	47.515	5.0	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.515	-3.0	94	0.00
22	T	Diisopropyl ether	50.000	52.178	-4.4	91	0.00
23	T	Vinyl Acetate	250.000	241.676	3.3	82	0.00
24	P	1,1-Dichloroethane	50.000	50.297	-0.6	92	0.00
25	T	2-Butanone	250.000	256.584	-2.6	89	0.00
26	T	2,2-Dichloropropane	50.000	42.880	14.2	79	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.187	-4.4	92	0.00
28	T	Bromochloromethane	50.000	48.399	3.2	85	0.00
29	T	Tetrahydrofuran	250.000	267.468	-7.0	87	0.00
30	C	Chloroform	50.000	51.770	-3.5#	93	0.00
31	T	Cyclohexane	50.000	46.232	7.5	87	0.00
32	T	1,1,1-Trichloroethane	50.000	50.005	-0.0	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.771	-1.5	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	50.509	-1.0	88	0.00
36	T	1,1-Dichloropropene	50.000	49.827	0.3	90	0.00
37	T	Ethyl Acetate	50.000	49.123	1.8	84	0.00
38	T	Carbon Tetrachloride	50.000	49.989	0.0	91	0.00
39	T	Methylcyclohexane	50.000	48.353	3.3	85	0.00
40	TM	Benzene	50.000	51.816	-3.6	93	0.00
41	T	Methacrylonitrile	50.000	50.746	-1.5	84	0.00
42	TM	1,2-Dichloroethane	50.000	51.202	-2.4	91	0.00
43	T	Isopropyl Acetate	50.000	51.574	-3.1	88	0.00
44	TM	Trichloroethene	50.000	51.686	-3.4	94	0.00
45	C	1,2-Dichloropropane	50.000	51.567	-3.1#	92	0.00
46	T	Dibromomethane	50.000	52.864	-5.7	94	0.00
47	T	Bromodichloromethane	50.000	53.118	-6.2	94	0.00
48	T	Methyl methacrylate	50.000	52.979	-6.0	87	0.00

Sample Results: **VY022093.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	1083.807	-8.4	95	0.00
50	S	Toluene-d8	50.000	51.963	-3.9	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	277.552	-11.0	90	0.00
52	CM	Toluene	50.000	53.105	-6.2#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	50.926	-1.9	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.866	-1.7	89	0.00
55	T	1,1,2-Trichloroethane	50.000	53.971	-7.9	94	0.00
56	T	Ethyl methacrylate	50.000	54.188	-8.4	87	0.00
57	T	1,3-Dichloropropane	50.000	53.670	-7.3	94	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	278.156	-11.3	86	0.00
59	T	2-Hexanone	250.000	278.656	-11.5	89	0.00
60	T	Dibromochloromethane	50.000	54.270	-8.5	95	0.00
61	T	1,2-Dibromoethane	50.000	53.986	-8.0	94	0.00
62	S	4-Bromofluorobenzene	50.000	52.603	-5.2	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	51.358	-2.7	96	0.00
65	PM	Chlorobenzene	50.000	50.141	-0.3	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.362	-2.7	94	0.00
67	C	Ethyl Benzene	50.000	51.700	-3.4#	93	0.00
68	T	m/p-Xylenes	100.000	103.402	-3.4	92	0.00
69	T	o-Xylene	50.000	52.505	-5.0	92	0.00
70	T	Styrene	50.000	53.759	-7.5	93	0.00
71	P	Bromoform	50.000	53.441	-6.9	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	49.631	0.7	92	0.00
74	T	N-amyl acetate	50.000	46.307	7.4	83	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.903	2.2	93	0.00
76	T	1,2,3-Trichloropropane	50.000	43.815	12.4	85	0.00
77	T	Bromobenzene	50.000	49.825	0.3	94	0.00
78	T	n-propylbenzene	50.000	48.936	2.1	90	0.00
79	T	2-Chlorotoluene	50.000	48.949	2.1	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.993	0.0	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.692	12.6	81	0.00
82	T	4-Chlorotoluene	50.000	48.749	2.5	91	0.00
83	T	tert-Butylbenzene	50.000	50.206	-0.4	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.205	-0.4	92	0.00
85	T	sec-Butylbenzene	50.000	49.077	1.8	91	0.00
86	T	p-Isopropyltoluene	50.000	49.067	1.9	90	0.00
87	T	1,3-Dichlorobenzene	50.000	48.789	2.4	94	0.00
88	T	1,4-Dichlorobenzene	50.000	48.390	3.2	94	0.00
89	T	n-Butylbenzene	50.000	47.384	5.2	87	0.00
90	T	Hexachloroethane	50.000	47.724	4.6	93	0.00
91	T	1,2-Dichlorobenzene	50.000	49.546	0.9	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.884	6.2	92	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.224	3.6	92	0.00
94	T	Hexachlorobutadiene	50.000	46.383	7.2	93	0.00
95	T	Naphthalene	50.000	51.039	-2.1	92	0.00

Sample Results: **VY022093.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	49.013	2.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022095.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/01/2025 08:50

Lab File ID: VY022095.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.359		-15.73	20
Chloromethane	0.607	0.542	0.1	-10.71	20
Vinyl Chloride	0.745	0.677		-9.13	20
Bromomethane	0.642	0.511		-20.41	20
Chloroethane	0.508	0.454		-10.63	20
Tetrahydrofuran	0.068	0.067		-1.47	20
Trichlorofluoromethane	0.983	0.891		-9.36	20
1,1,2-Trichlorotrifluoroethane	0.533	0.484		-9.19	20
1,1-Dichloroethene	0.497	0.441		-11.27	20
Acrylonitrile	0.094	0.088		-6.38	20
Acetone	0.070	0.062		-11.43	20
Carbon Disulfide	1.585	1.372		-13.44	20
Methyl tert-butyl Ether	1.113	1.031		-7.37	20
Methylene Chloride	0.584	0.488		-16.44	20
trans-1,2-Dichloroethene	0.557	0.508		-8.8	20
1,1-Dichloroethane	0.893	0.788	0.1	-11.76	20
2-Butanone	0.105	0.100		-4.76	20
Carbon Tetrachloride	0.530	0.528		-0.38	20
2,2-Dichloropropane	0.782	0.721		-7.8	20
cis-1,2-Dichloroethene	0.622	0.570		-8.36	20
Chloroform	0.990	0.919		-7.17	20
1,1,1-Trichloroethane	0.896	0.816		-8.93	20
1,1-Dichloropropene	0.444	0.431		-2.93	20
Benzene	1.387	1.370		-1.23	20
1,2-Dichloroethane	0.343	0.348		1.46	20
Trichloroethene	0.384	0.385		0.26	20
1,2-Dichloropropane	0.307	0.304		-0.98	20
Dibromomethane	0.192	0.196		2.08	20
Bromodichloromethane	0.480	0.484		0.83	20
4-Methyl-2-Pentanone	0.160	0.176		10	20
Toluene	0.898	0.925		3.01	20
t-1,3-Dichloropropene	0.411	0.416		1.22	20
cis-1,3-Dichloropropene	0.489	0.484		-1.02	20
1,1,2-Trichloroethane	0.256	0.267		4.3	20
1,3-Dichloropropane	0.411	0.421		2.43	20
2-Hexanone	0.106	0.118		11.32	20
Dibromochloromethane	0.355	0.371		4.51	20
1,2-Dibromoethane	0.242	0.251		3.72	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022095.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/01/2025 08:50

Lab File ID: VY022095.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.481		1.91	20
Chlorobenzene	1.118	1.078	0.3	-3.58	20
1,1,1,2-Tetrachloroethane	0.394	0.391		-0.76	20
Ethyl Benzene	1.829	1.811		-0.98	20
m/p-Xylenes	0.728	0.745		2.34	20
o-Xylene	0.671	0.676		0.75	20
Styrene	1.126	1.172		4.09	20
Bromoform	0.229	0.238	0.1	3.93	20
Isopropylbenzene	3.341	3.204		-4.1	20
1,1,2,2-Tetrachloroethane	0.563	0.530	0.3	-5.86	20
1,2,3-Trichloropropane	0.428	0.424		-0.94	20
Bromobenzene	0.844	0.819		-2.96	20
n-propylbenzene	3.978	3.849		-3.24	20
2-Chlorotoluene	2.314	2.194		-5.19	20
1,3,5-Trimethylbenzene	2.752	2.700		-1.89	20
4-Chlorotoluene	2.405	2.304		-4.2	20
tert-Butylbenzene	2.469	2.372		-3.93	20
1,2,4-Trimethylbenzene	2.753	2.737		-0.58	20
sec-Butylbenzene	3.612	3.524		-2.44	20
p-Isopropyltoluene	3.067	3.035		-1.04	20
1,3-Dichlorobenzene	1.714	1.634		-4.67	20
1,4-Dichlorobenzene	1.698	1.606		-5.42	20
n-Butylbenzene	2.742	2.631		-4.05	20
1,2-Dichlorobenzene	1.495	1.427		-4.55	20
1,2-Dibromo-3-Chloropropane	0.090	0.085		-5.56	20
1,2,4-Trichlorobenzene	0.847	0.802		-5.31	20
Hexachlorobutadiene	0.521	0.491		-5.76	20
1,2,3-Trichlorobenzene	0.731	0.697		-4.65	20
1,2-Dichloroethane-d4	0.462	0.431		-6.71	20
Dibromofluoromethane	0.330	0.335		1.51	20
Toluene-d8	1.245	1.270		2.01	20
4-Bromofluorobenzene	0.419	0.427		1.91	20
trans-1,4-Dichloro-2-butene	0.178	0.168		-5.62	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\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	227184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129452	46.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.420%			
35) Dibromofluoromethane	7.634	113	145369	50.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.109	98	550662	50.988	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.408	95	185315	50.971	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	107755	42.149	ug/l	100
3) Chloromethane	2.068	50	162561	44.656	ug/l	99
4) Vinyl Chloride	2.202	62	203141	45.411	ug/l	98
5) Bromomethane	2.592	94	153399	39.803	ug/l	98
6) Chloroethane	2.733	64	136234	44.717	ug/l	96
7) Trichlorofluoromethane	3.056	101	267266	45.309	ug/l	98
8) Diethyl Ether	3.458	74	65627	42.745	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	145092	45.342	ug/l	98
10) Methyl Iodide	4.001	142	166199	44.860	ug/l	98
11) Tert butyl alcohol	4.879	59	36425	239.412	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	132167	44.312	ug/l	97
13) Acrolein	3.653	56	46426	170.015	ug/l	99
14) Allyl chloride	4.385	41	149377	43.012	ug/l	99
15) Acrylonitrile	5.061	53	131912	234.690	ug/l	99
16) Acetone	3.873	43	93527	258.562	ug/l	93
17) Carbon Disulfide	4.104	76	411563	43.277	ug/l	100
18) Methyl Acetate	4.385	43	67887	52.440	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	309344	46.339	ug/l	99
20) Methylene Chloride	4.610	84	146445	41.790	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	152494	45.652	ug/l	97
22) Diisopropyl ether	6.019	45	358660	46.406	ug/l	99
23) Vinyl Acetate	5.958	43	972154	233.397	ug/l	99
24) 1,1-Dichloroethane	5.915	63	236343	44.117	ug/l	98
25) 2-Butanone	6.896	43	149979	237.416	ug/l	100
26) 2,2-Dichloropropane	6.884	77	216277	46.061	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	171041	45.794	ug/l	100
28) Bromochloromethane	7.238	49	102077	49.056	ug/l	95
29) Tetrahydrofuran	7.262	42	100678	245.385	ug/l	97
30) Chloroform	7.421	83	275742	46.403	ug/l	100
31) Cyclohexane	7.701	56	199607	43.571	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	244709	45.518	ug/l	99
36) 1,1-Dichloropropene	7.835	75	186977	48.590	ug/l	100
37) Ethyl Acetate	6.988	43	70801	51.230	ug/l	97
38) Carbon Tetrachloride	7.817	117	229097	49.824	ug/l	100
39) Methylcyclohexane	9.110	83	238404	49.231	ug/l	96
40) Benzene	8.079	78	593961	49.378	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	34133	45.180	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	150849	50.652	ug/l		99
43) Isopropyl Acetate	8.195	43	130927	49.331	ug/l		99
44) Trichloroethene	8.866	130	166940	50.105	ug/l		99
45) 1,2-Dichloropropane	9.140	63	131749	49.528	ug/l		97
46) Dibromomethane	9.231	93	84979	51.032	ug/l		99
47) Bromodichloromethane	9.427	83	209708	50.411	ug/l		100
48) Methyl methacrylate	9.219	41	64491	52.563	ug/l		97
49) 1,4-Dioxane	9.231	88	19493	1098.297	ug/l		91
51) 4-Methyl-2-Pentanone	10.000	43	381378	274.117	ug/l		99
52) Toluene	10.170	92	401133	51.517	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	180292	50.528	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	209730	49.447	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	115966	52.135	ug/l		98
56) Ethyl methacrylate	10.439	69	133143	52.343	ug/l		98
57) 1,3-Dichloropropane	10.719	76	182342	51.135	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	351579	282.693	ug/l		99
59) 2-Hexanone	10.762	43	255399	278.311	ug/l		99
60) Dibromochloromethane	10.914	129	160702	52.183	ug/l		99
61) 1,2-Dibromoethane	11.012	107	108715	51.771	ug/l		100
64) Tetrachloroethene	10.646	164	197335	51.010	ug/l		99
65) Chlorobenzene	11.444	112	442124	48.212	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	160317	49.657	ug/l		100
67) Ethyl Benzene	11.518	91	742816	49.517	ug/l		99
68) m/p-Xylenes	11.627	106	610976	102.352	ug/l		99
69) o-Xylene	11.957	106	277219	50.386	ug/l		98
70) Styrene	11.969	104	480407	52.004	ug/l		99
71) Bromoform	12.133	173	97556	51.974	ug/l	#	98
73) Isopropylbenzene	12.255	105	727842	47.953	ug/l		99
74) N-amyl acetate	12.072	43	120776	46.314	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	120473	47.078	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	96284m	49.479	ug/l		
77) Bromobenzene	12.536	156	186160	48.538	ug/l		99
78) n-propylbenzene	12.597	91	874536	48.382	ug/l		99
79) 2-Chlorotoluene	12.682	91	498448	47.417	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	613435	49.051	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	38218	47.296	ug/l		98
82) 4-Chlorotoluene	12.780	91	523473	47.904	ug/l		98
83) tert-Butylbenzene	12.999	119	538982	48.054	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	621868	49.714	ug/l		100
85) sec-Butylbenzene	13.176	105	800547	48.777	ug/l		99
86) p-Isopropyltoluene	13.292	119	689548	49.477	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	371168	47.649	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	364925	47.301	ug/l		98
89) n-Butylbenzene	13.621	91	597694	47.980	ug/l		99
90) Hexachloroethane	13.883	117	142735	46.615	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	324218	47.720	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19397	47.643	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	182261	47.340	ug/l		100
94) Hexachlorobutadiene	15.023	225	111490	47.066	ug/l		99
95) Naphthalene	15.145	128	304421	47.598	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	158454	47.678	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
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 :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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: **VY022095.D**

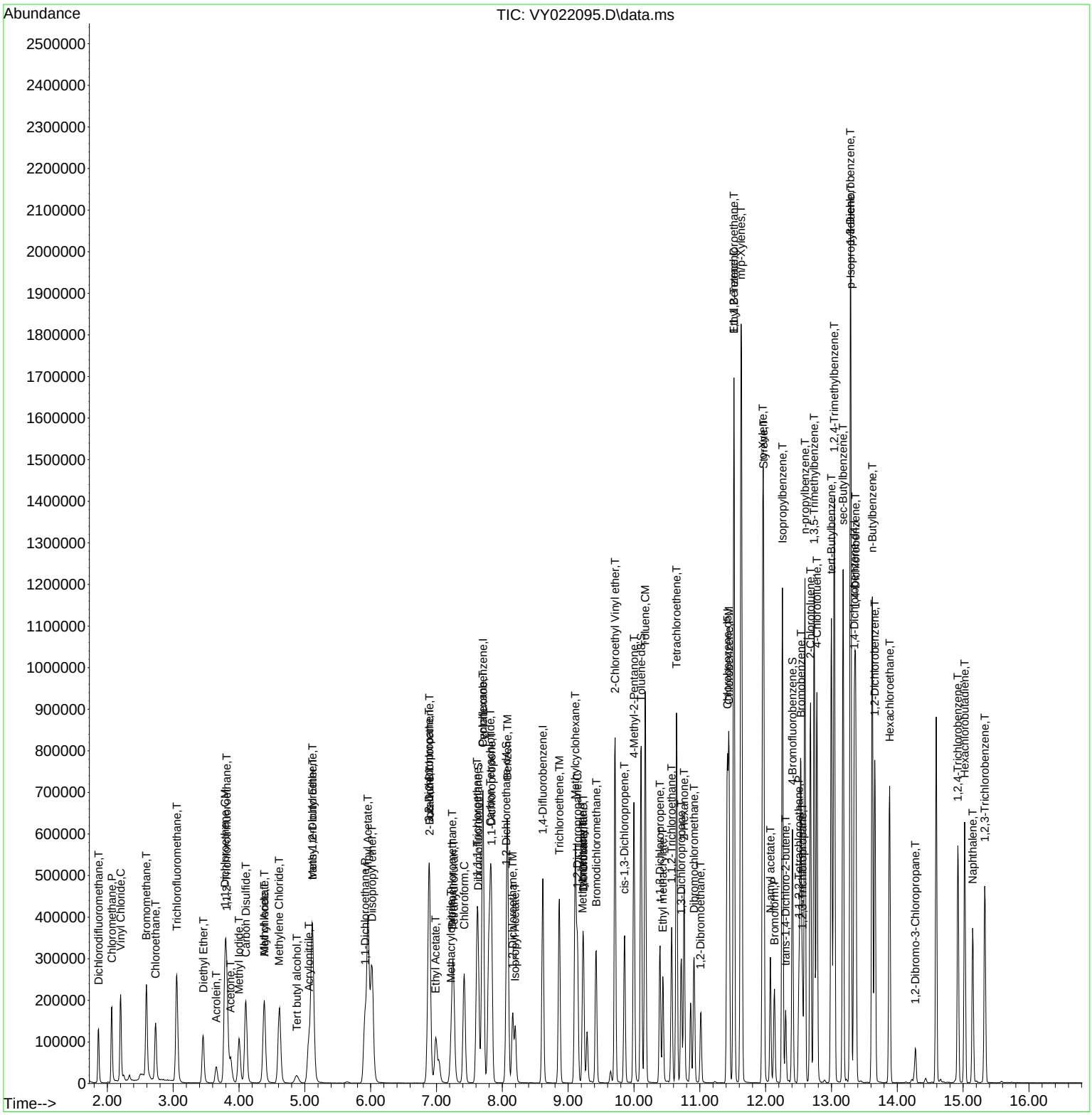
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

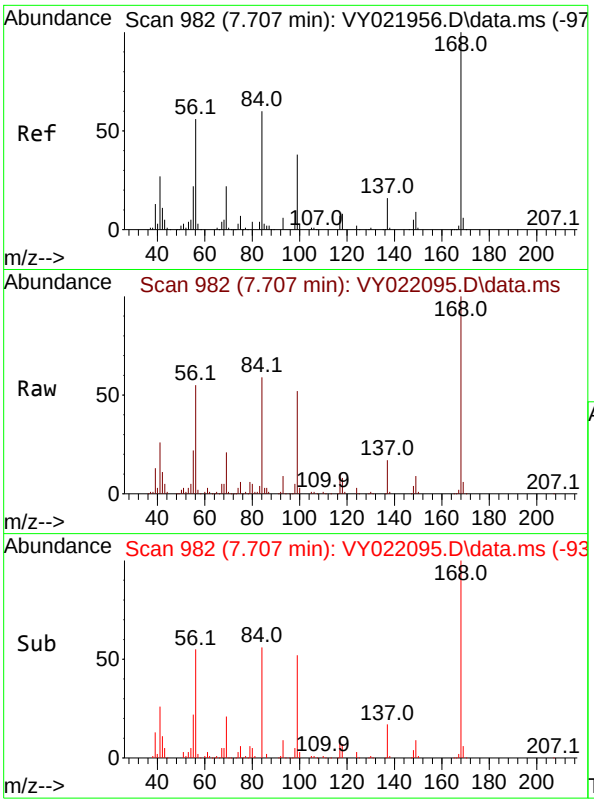
Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

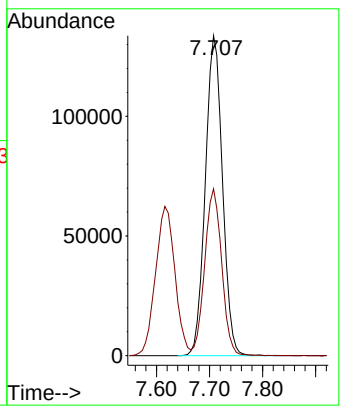




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:168 Resp: 30003

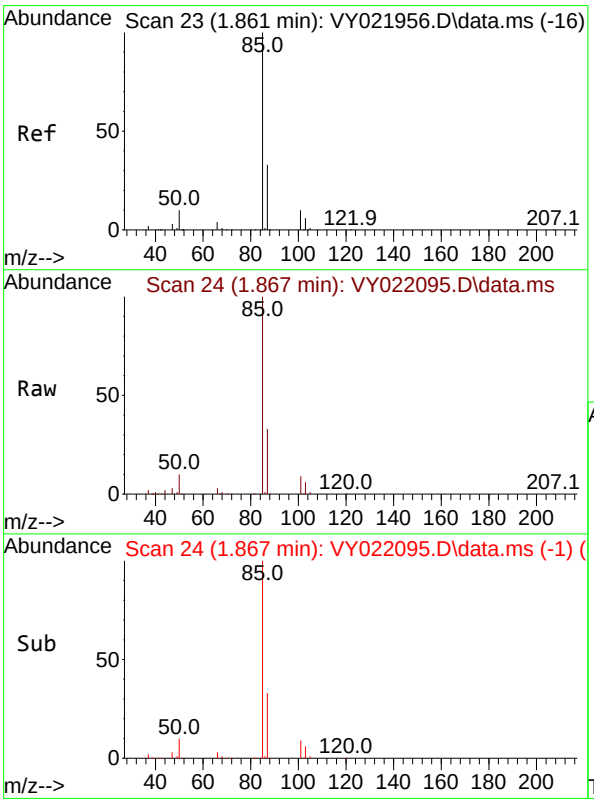
Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

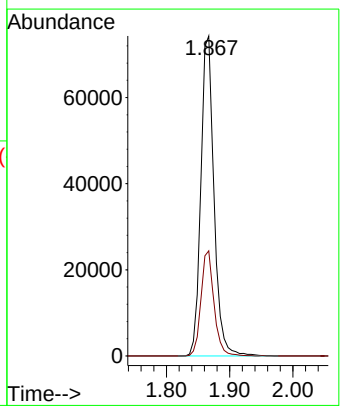
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

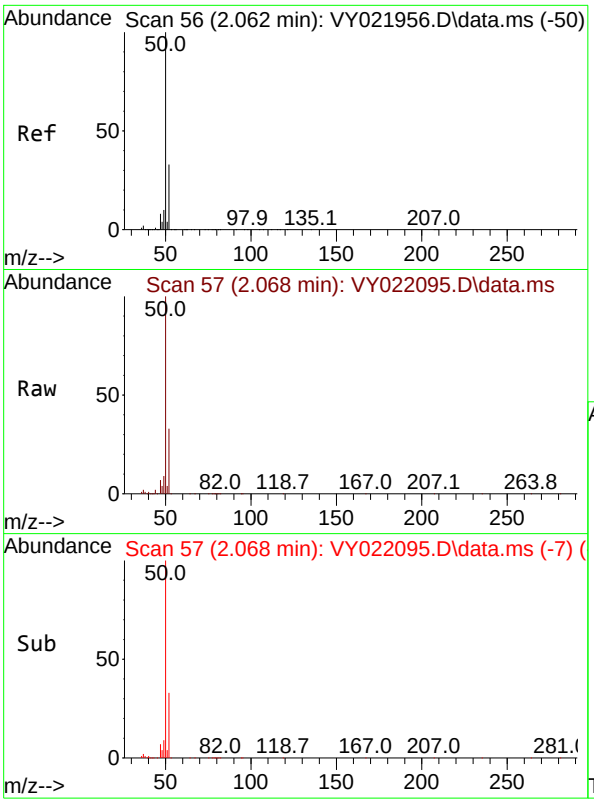


#2
Dichlorodifluoromethane
Concen: 42.149 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 85 Resp: 107755

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7

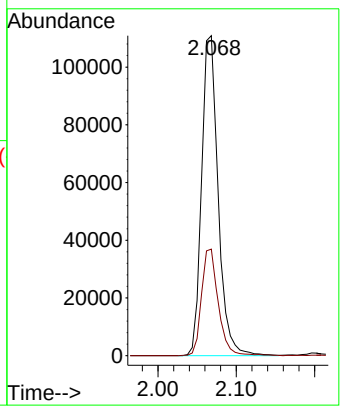




#3
Chloromethane
Concen: 44.656 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 50 Resp: 16256

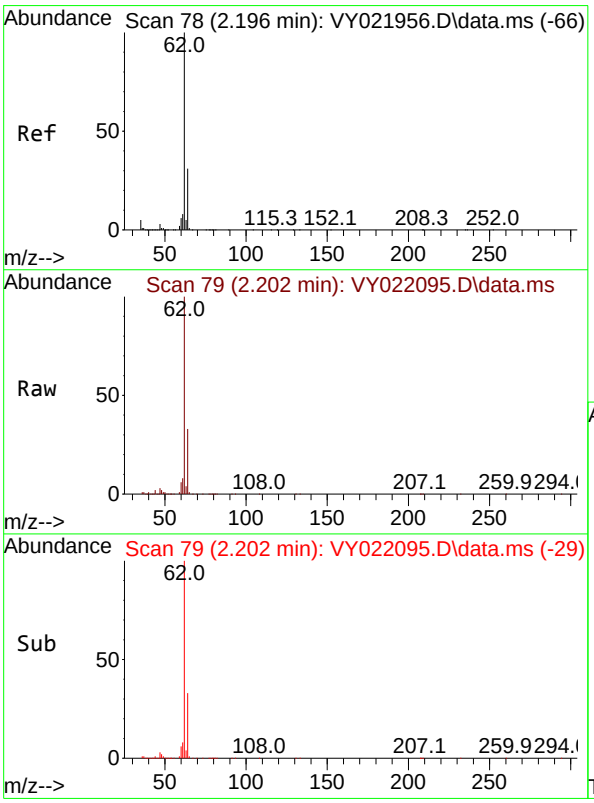
Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

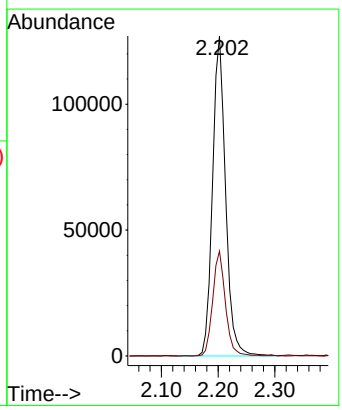
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

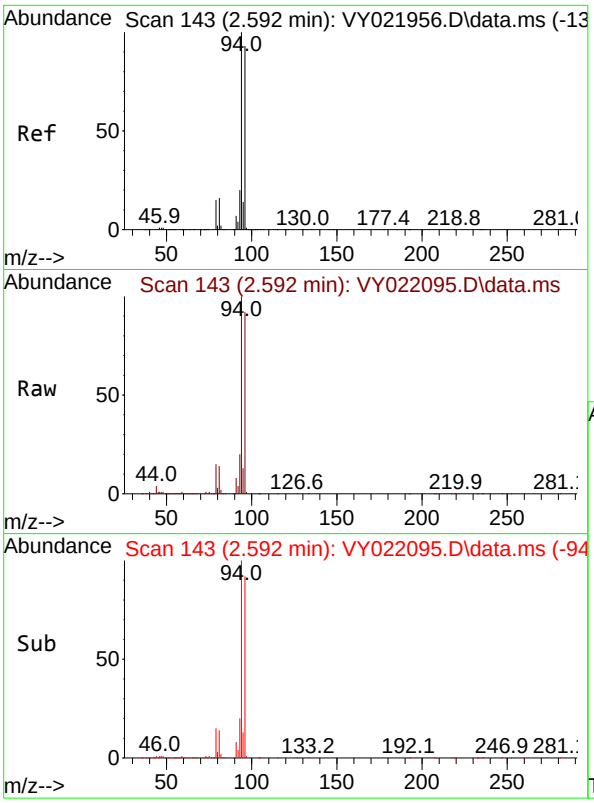


#4
Vinyl Chloride
Concen: 45.411 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 62 Resp: 203141

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.1	37.7





#5
Bromomethane
Concen: 39.803 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

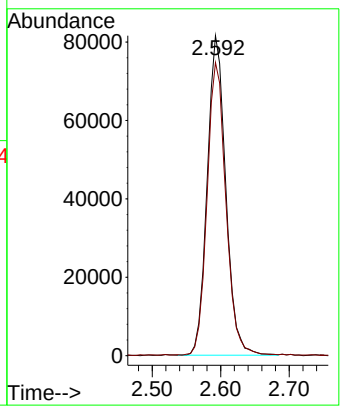
Tgt Ion: 94 Resp: 153399

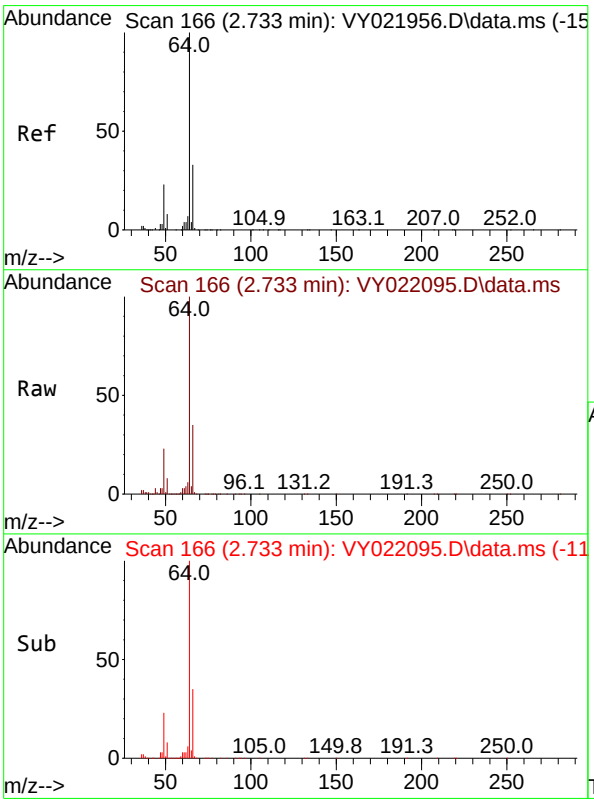
Ion	Ratio	Lower	Upper
94	100		
96	91.4	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

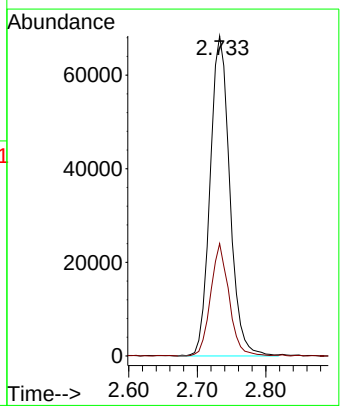


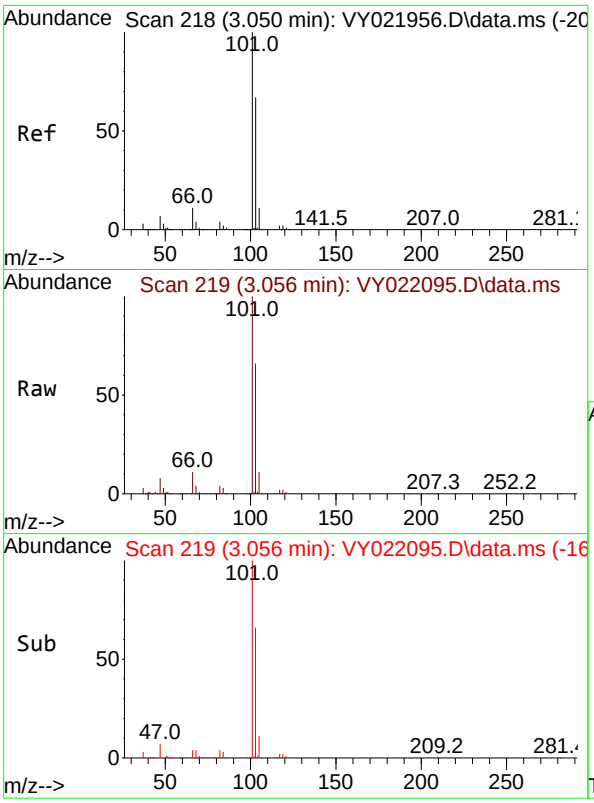


#6
Chloroethane
Concen: 44.717 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 64 Resp: 136234

Ion	Ratio	Lower	Upper
64	100		
66	35.1	26.2	39.4

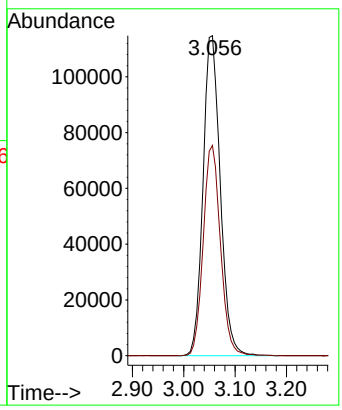




#7
Trichlorofluoromethane
Concen: 45.309 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:101 Resp: 26726

Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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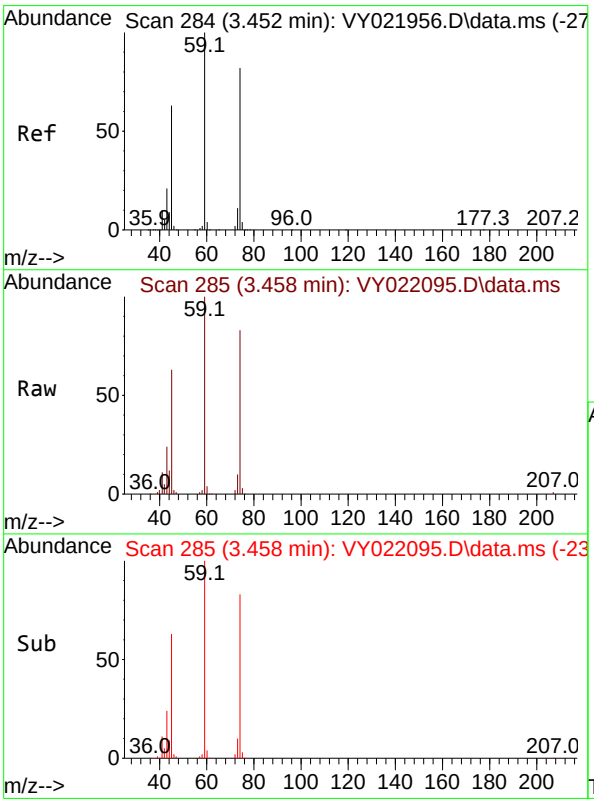
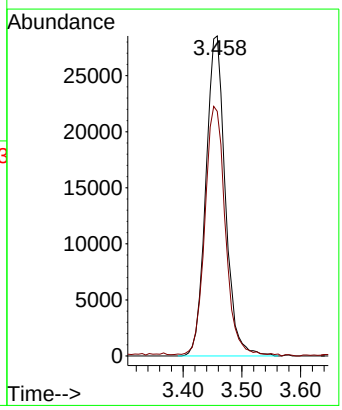
Supervised By :Mahesh Dadoda 05/05/2025

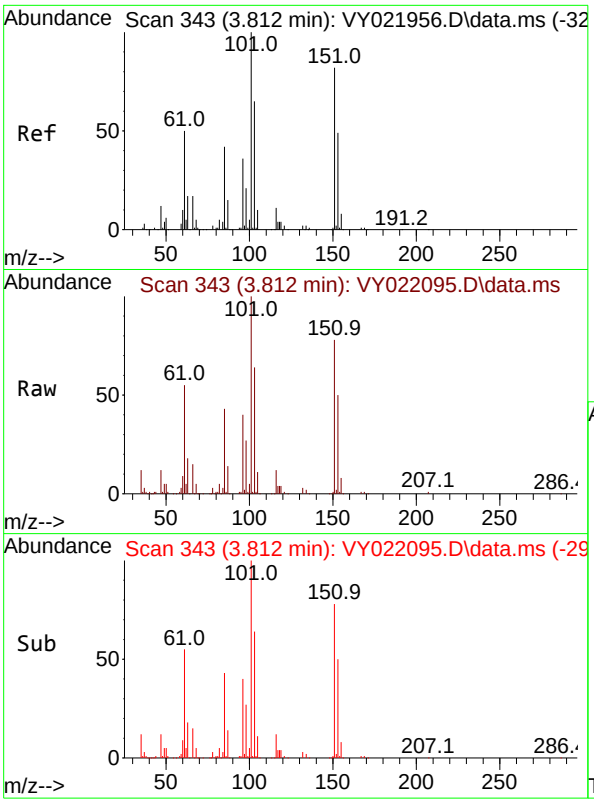


#8
Diethyl Ether
Concen: 42.745 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 74 Resp: 65627

Ion	Ratio	Lower	Upper
74	100		
45	80.8	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.342 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:101 Resp: 14509

Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.6	51.8
151	81.4	63.7	95.5

Instrument :
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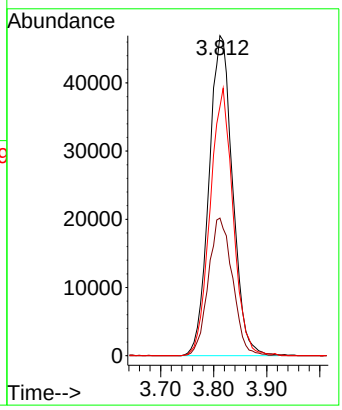
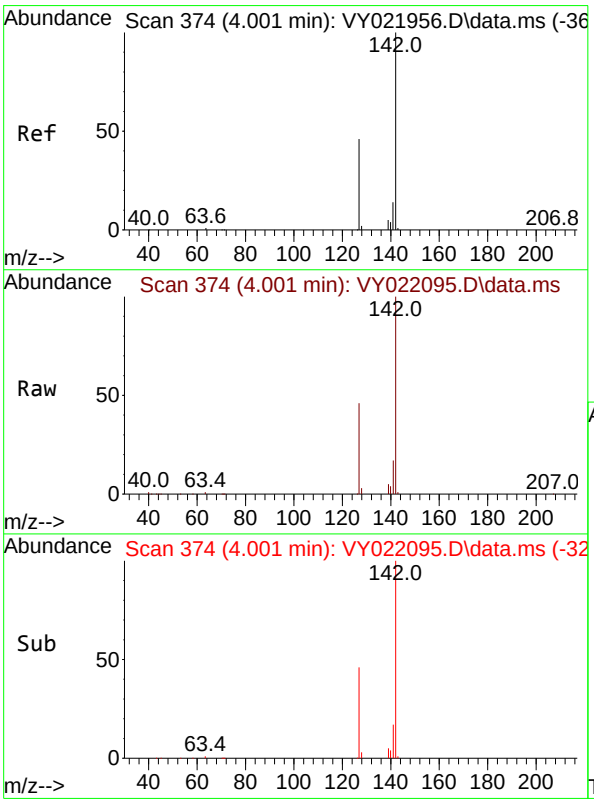
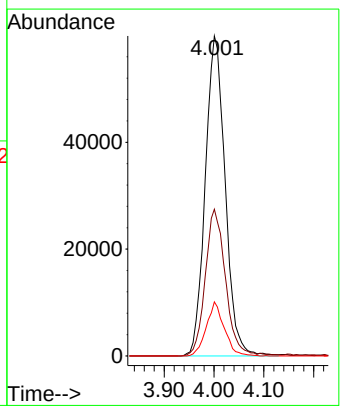


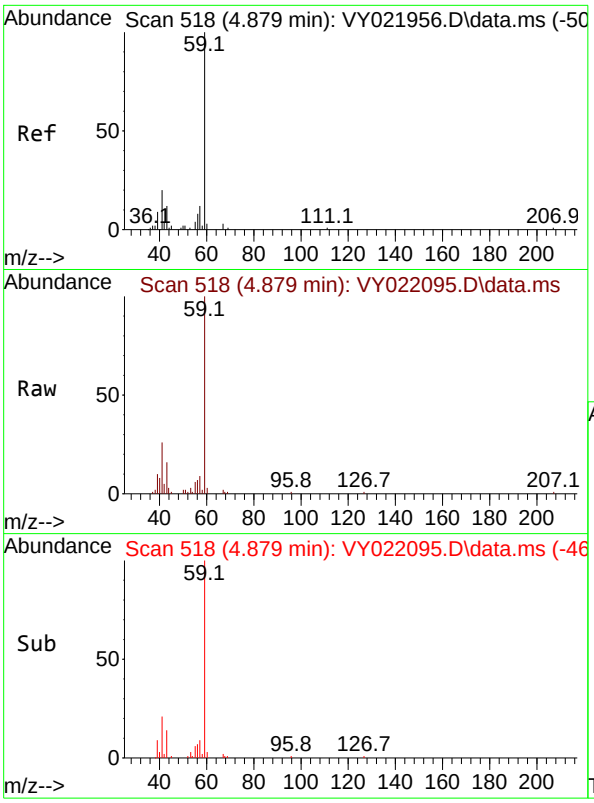


#10
Methyl Iodide
Concen: 44.860 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:142 Resp: 166199

Ion	Ratio	Lower	Upper
142	100		
127	46.8	36.2	54.2
141	15.2	11.7	17.5





#11
Tert butyl alcohol
Concen: 239.412 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 59 Resp: 3642

Ion	Ratio	Lower	Upper
59	100		
57	6.5	9.3	13.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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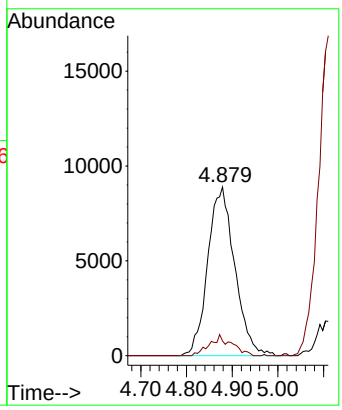
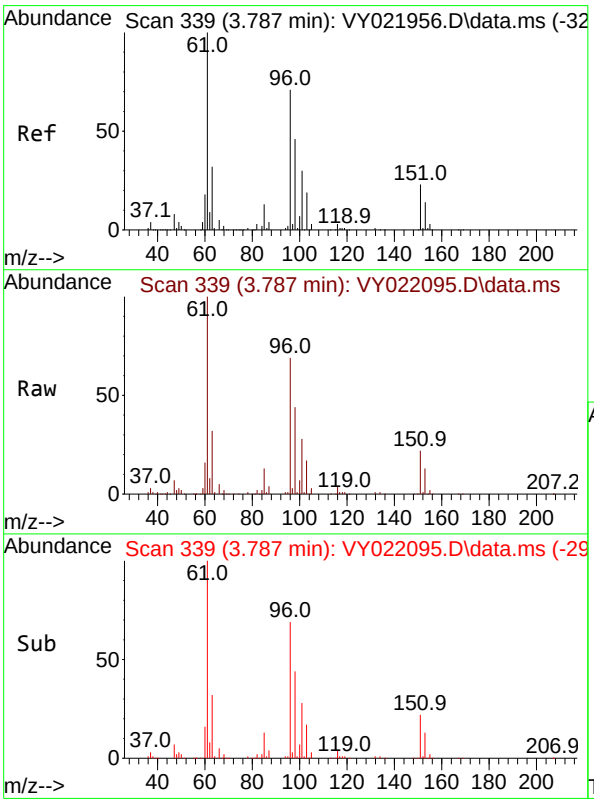
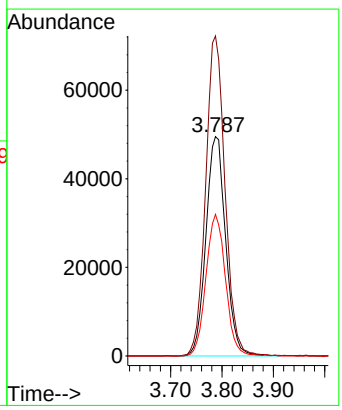


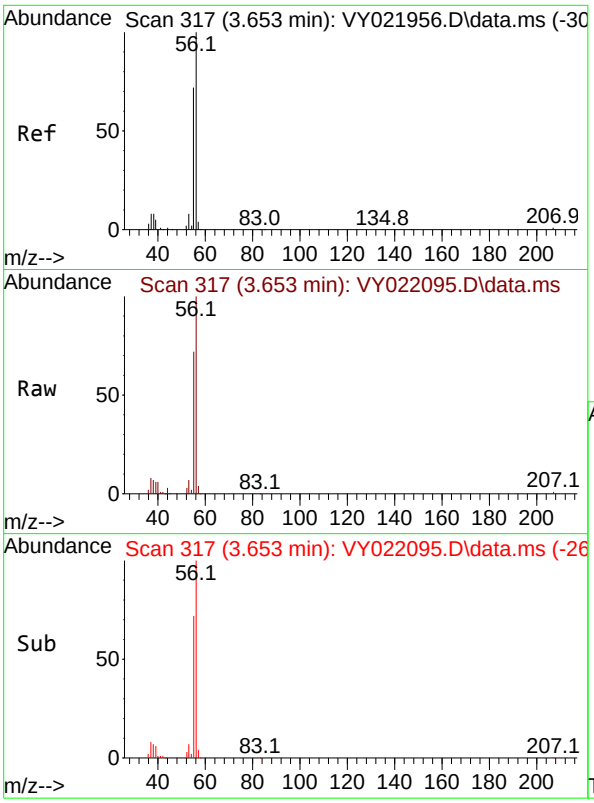


#12
1,1-Dichloroethene
Concen: 44.312 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 96 Resp: 132167

Ion	Ratio	Lower	Upper
96	100		
61	145.8	113.0	169.4
98	64.5	51.4	77.2

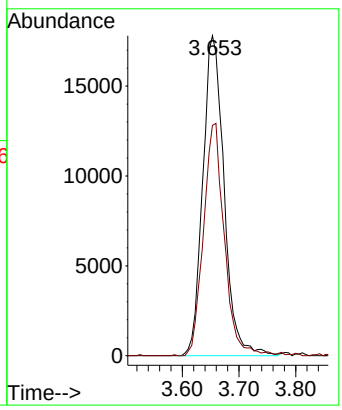




#13
Acrolein
Concen: 170.015 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 56 Resp: 4642

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.4	86.0



Instrument :
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ClientSampleId :
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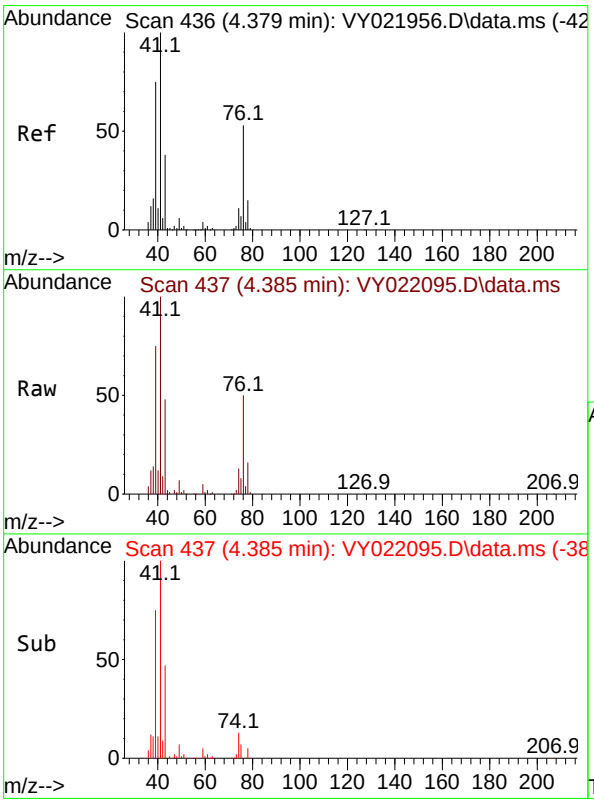
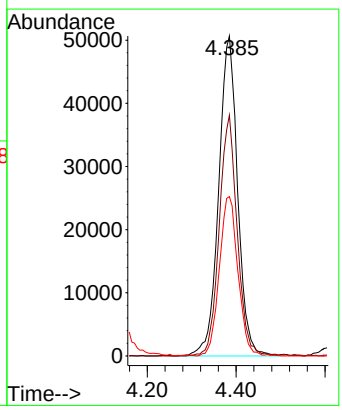
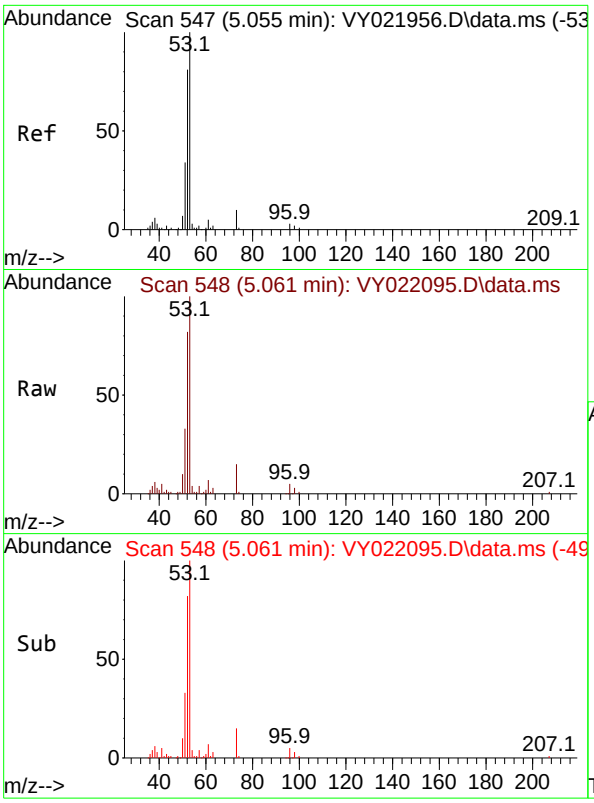


#14
Allyl chloride
Concen: 43.012 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 41 Resp: 149377

Ion	Ratio	Lower	Upper
41	100		
39	71.4	57.2	85.8
76	48.9	39.7	59.5

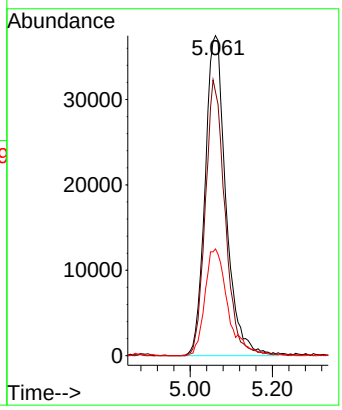




#15
Acrylonitrile
Concen: 234.690 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 53 Resp: 13191

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.0	97.6
51	36.9	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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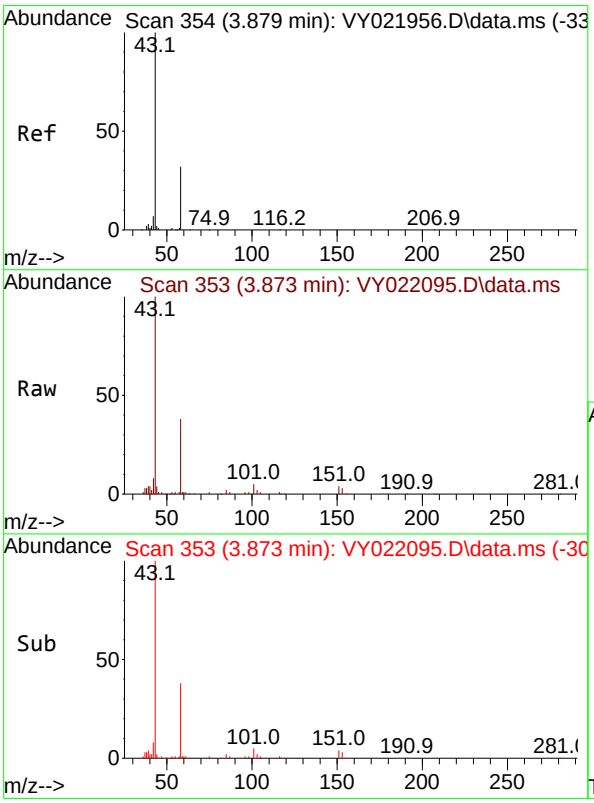
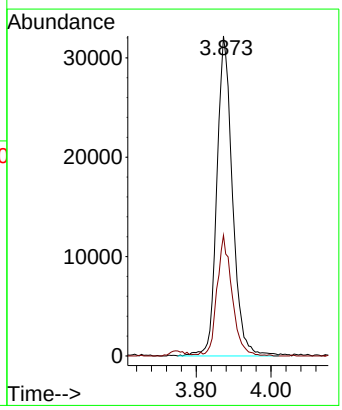
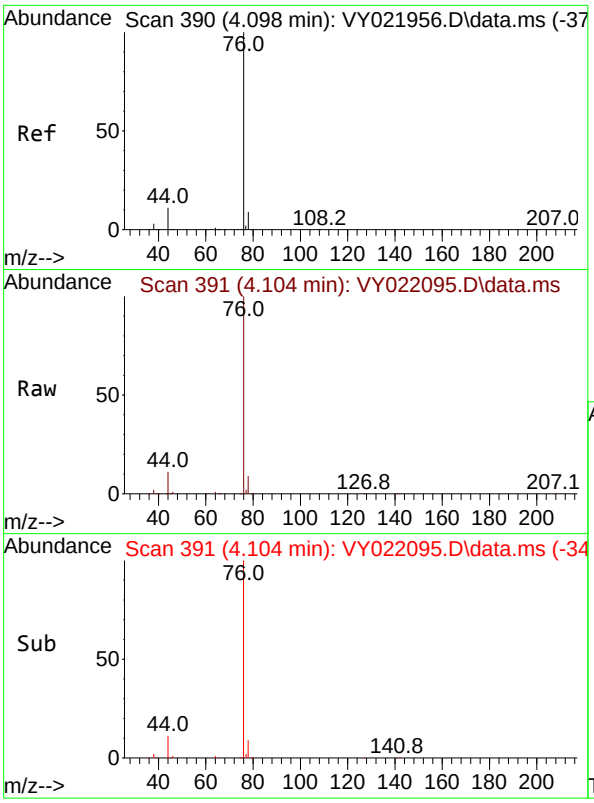


#16
Acetone
Concen: 258.562 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 93527

Ion	Ratio	Lower	Upper
43	100		
58	37.7	27.0	40.4





#17
Carbon Disulfide
Concen: 43.277 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 76 Resp: 41156

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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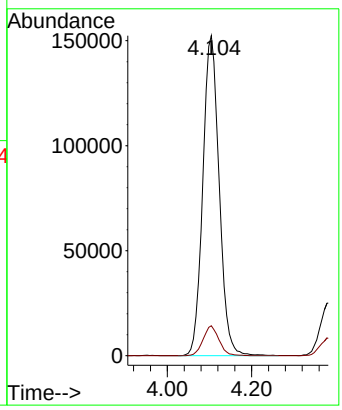
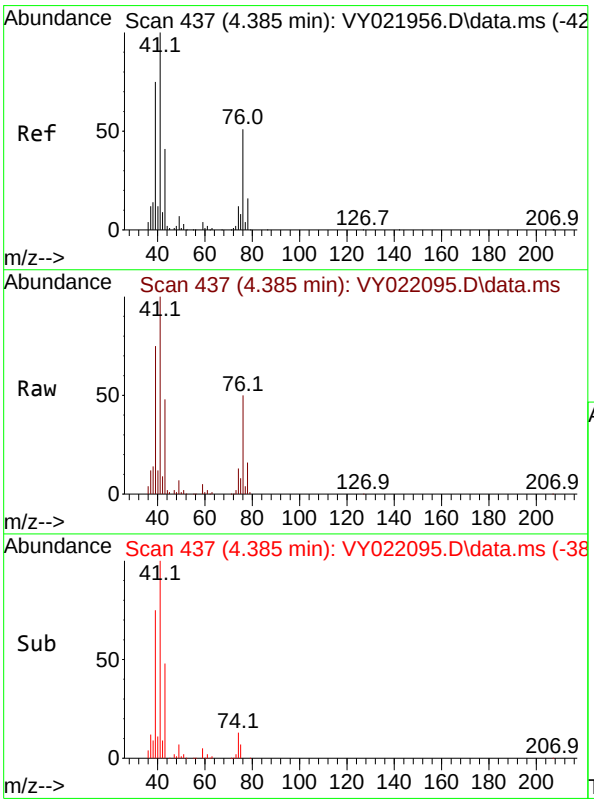
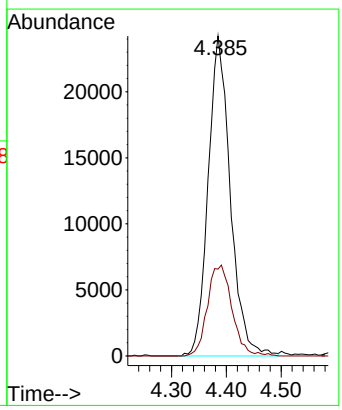


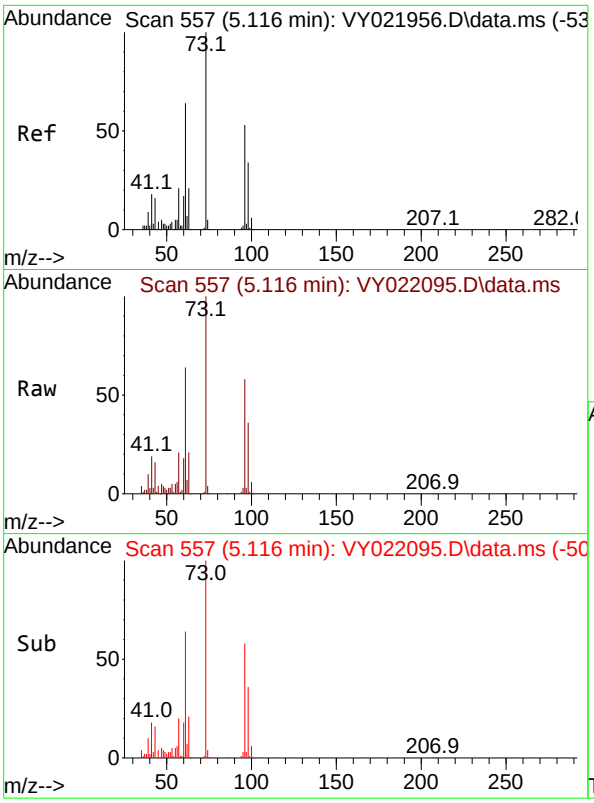


#18
Methyl Acetate
Concen: 52.440 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 67887

Ion	Ratio	Lower	Upper
43	100		
74	31.5	24.2	36.4

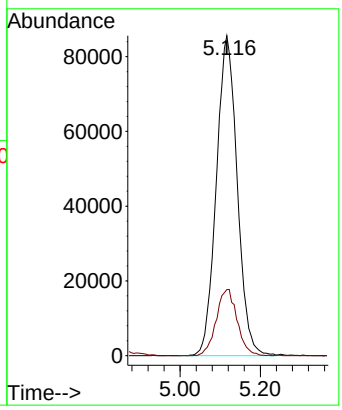




#19
Methyl tert-butyl Ether
Concen: 46.339 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 73 Resp: 30934

Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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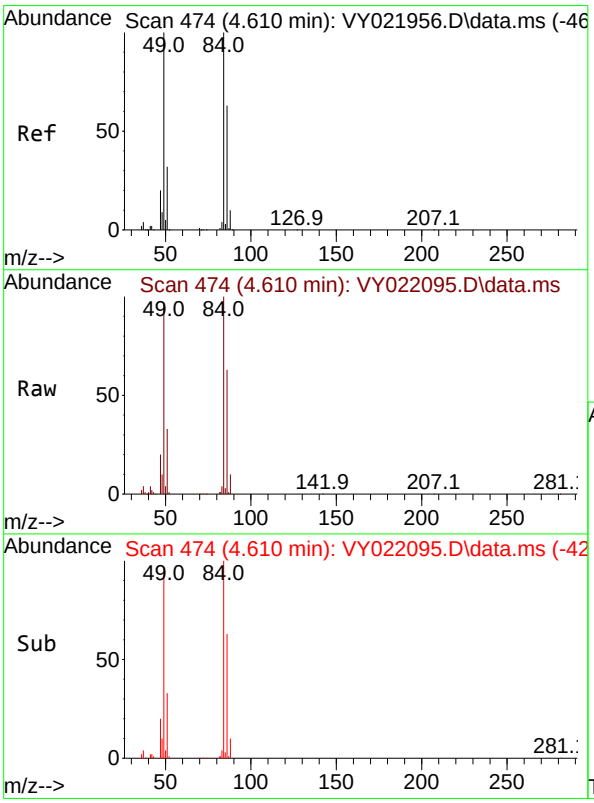
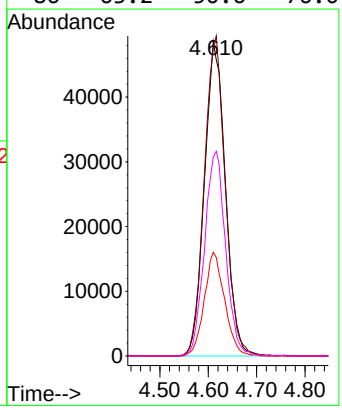
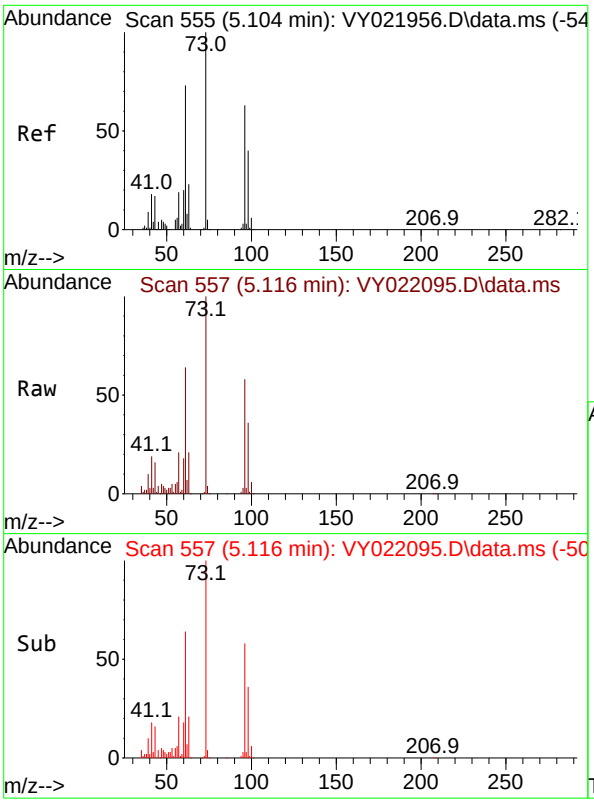


#20
Methylene Chloride
Concen: 41.790 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 84 Resp: 146445

Ion	Ratio	Lower	Upper
84	100		
49	97.5	79.9	119.9
51	32.9	25.4	38.0
86	63.2	50.6	76.0

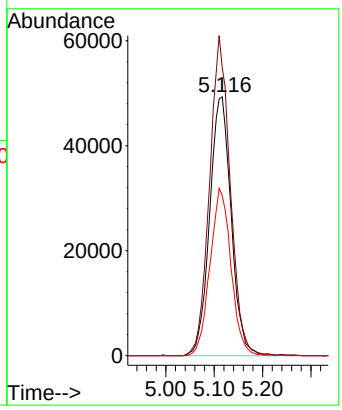




#21
trans-1,2-Dichloroethene
Concen: 45.652 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 96 Resp: 15249

Ion	Ratio	Lower	Upper
96	100		
61	111.3	92.6	138.8
98	62.0	50.2	75.4



Instrument :
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ClientSampleId :
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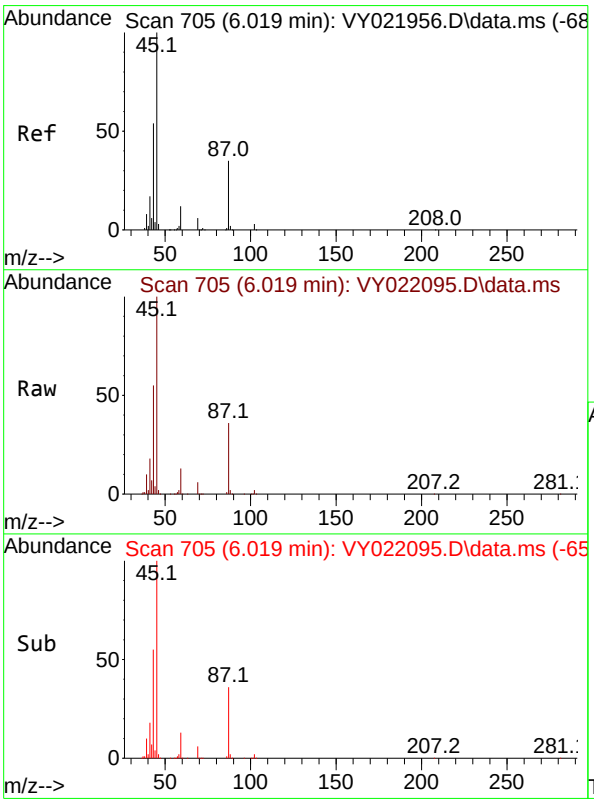
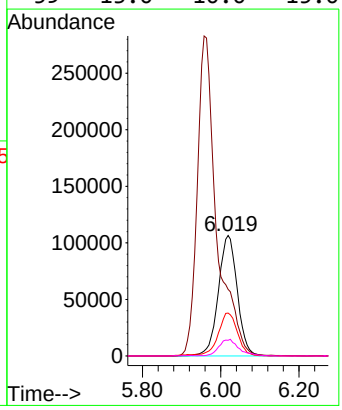
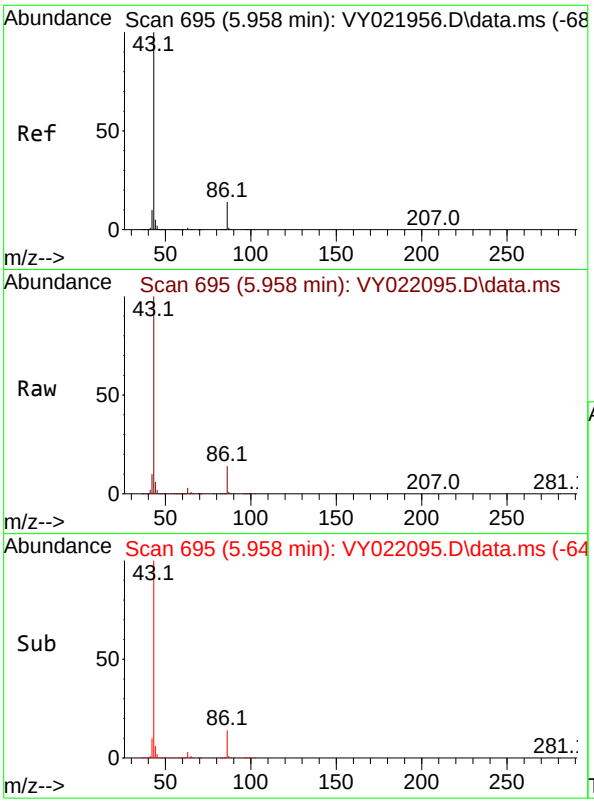


#22
Diisopropyl ether
Concen: 46.406 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 45 Resp: 358660

Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.6	65.4
87	35.5	28.2	42.4
59	13.0	10.0	15.0

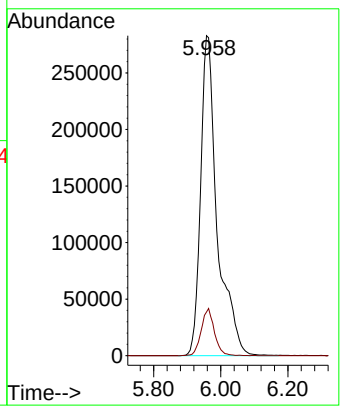




#23
Vinyl Acetate
Concen: 233.397 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 97215

Ion	Ratio	Lower	Upper
43	100		
86	13.7	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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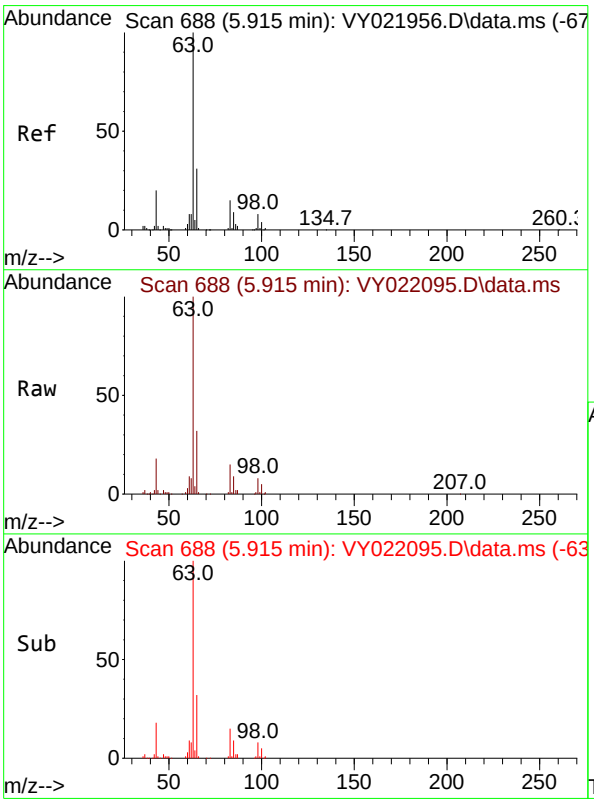
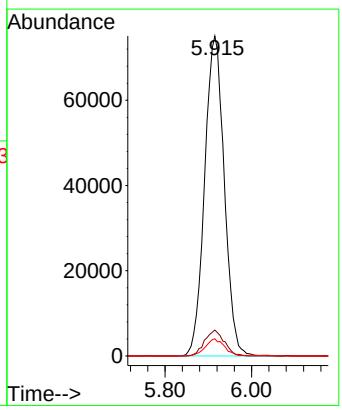
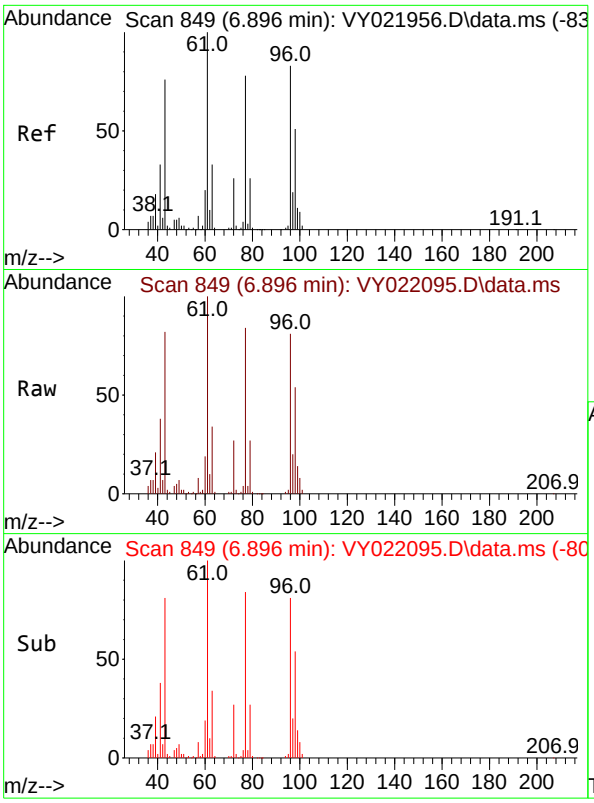


#24
1,1-Dichloroethane
Concen: 44.117 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 63 Resp: 236343

Ion	Ratio	Lower	Upper
63	100		
98	8.1	4.0	11.9
100	5.4	2.0	6.0





#25
2-Butanone
Concen: 237.416 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 14997

Ion	Ratio	Lower	Upper
43	100		
72	33.6	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
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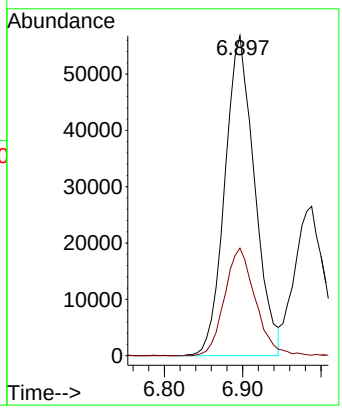
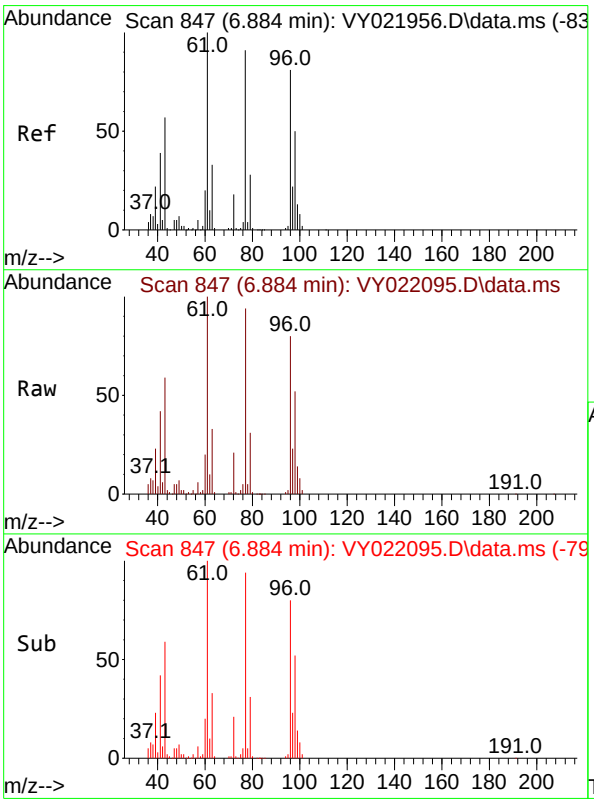
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

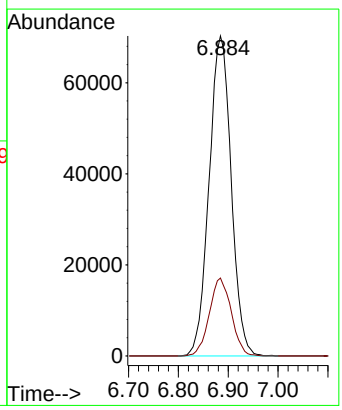


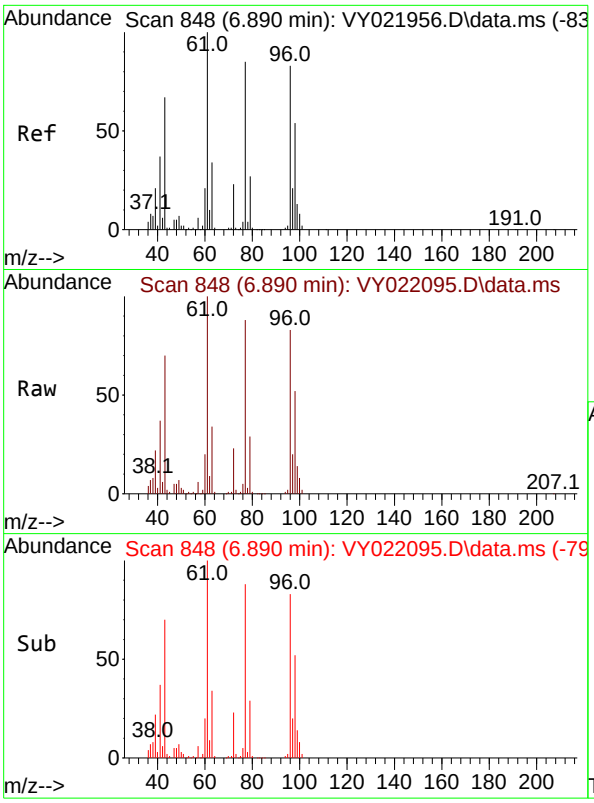


#26
2,2-Dichloropropane
Concen: 46.061 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 77 Resp: 216277

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 45.794 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 96 Resp: 17104

Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	251.4
98	64.4	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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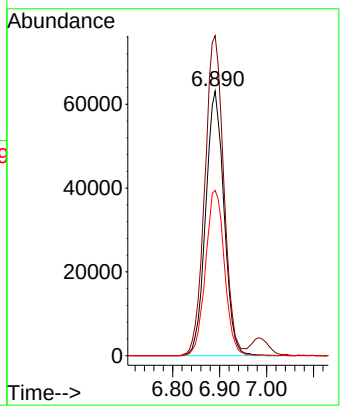
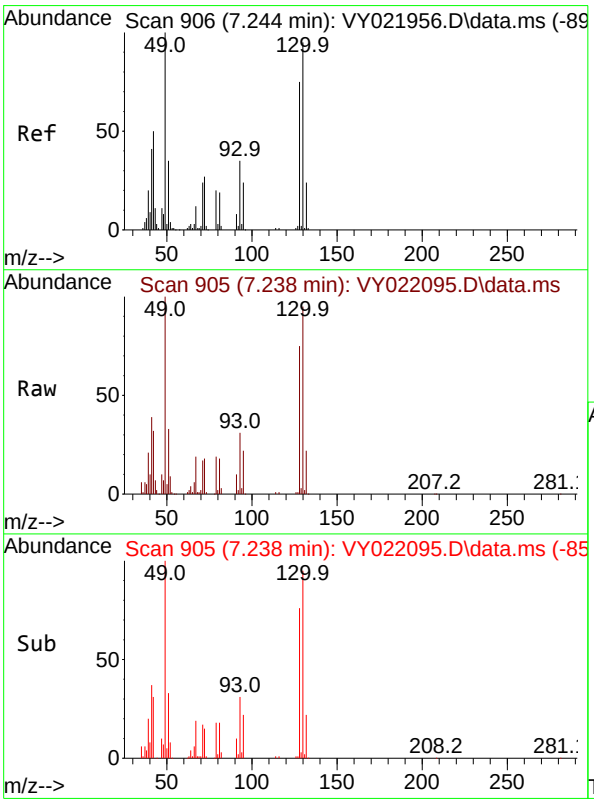
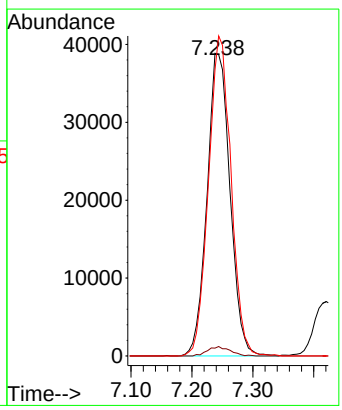


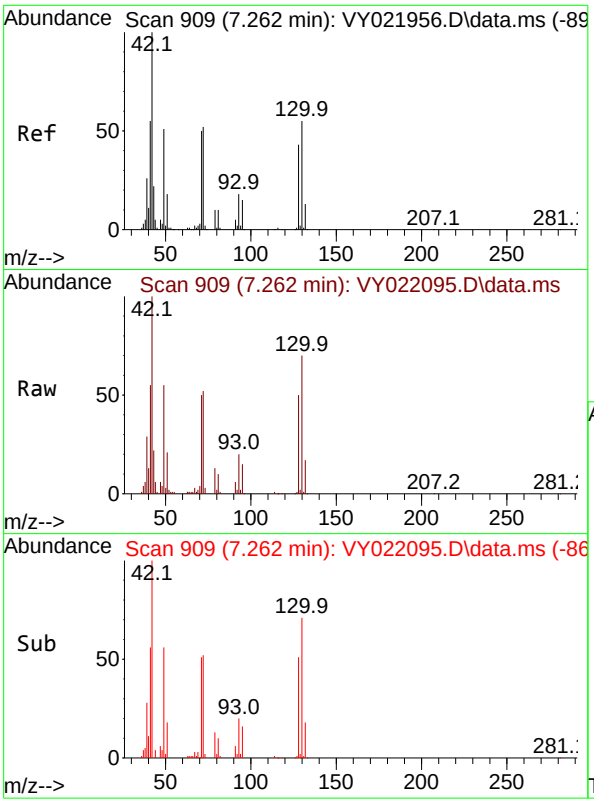


#28
Bromochloromethane
Concen: 49.056 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 49 Resp: 102077

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	103.3	78.2	117.4





#29
Tetrahydrofuran
Concen: 245.385 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 42 Resp: 10067

Ion	Ratio	Lower	Upper
42	100		
72	55.1	42.6	63.8
71	53.0	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
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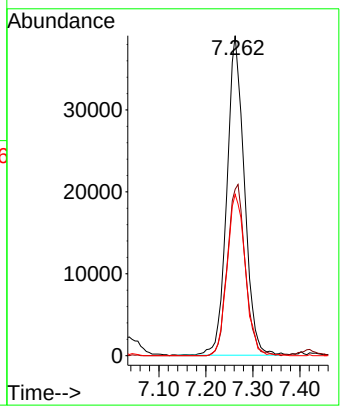
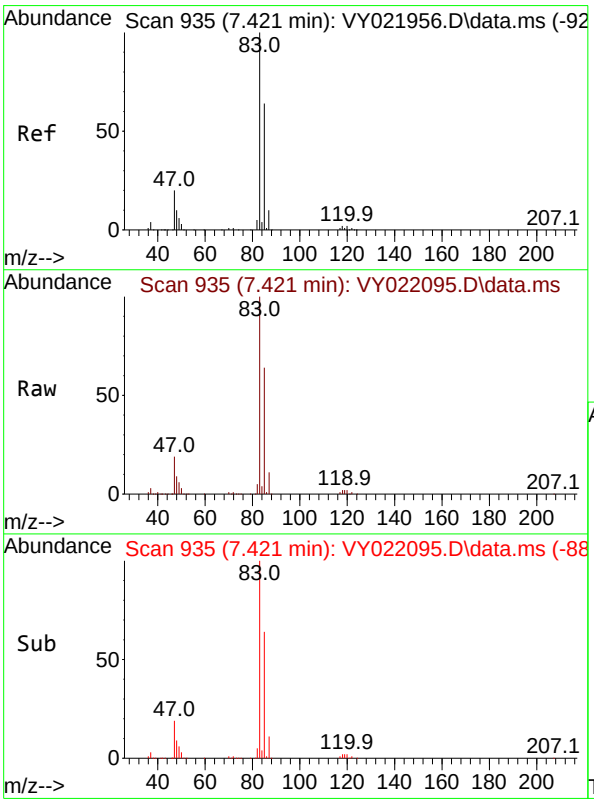
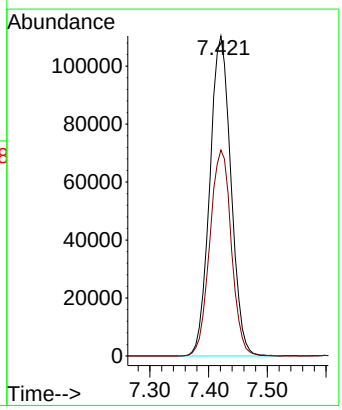


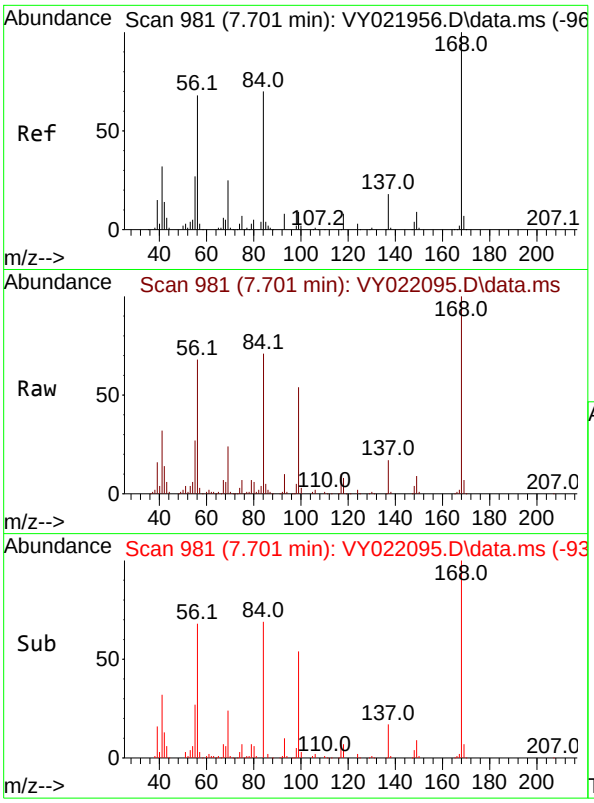


#30
Chloroform
Concen: 46.403 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 83 Resp: 275742

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9





#31
Cyclohexane
Concen: 43.571 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 56 Resp: 19960

Ion	Ratio	Lower	Upper
56	100		
69	35.4	29.4	44.2
84	103.2	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
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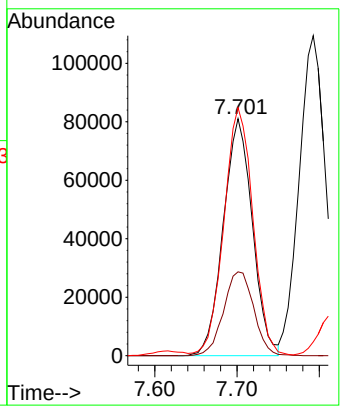
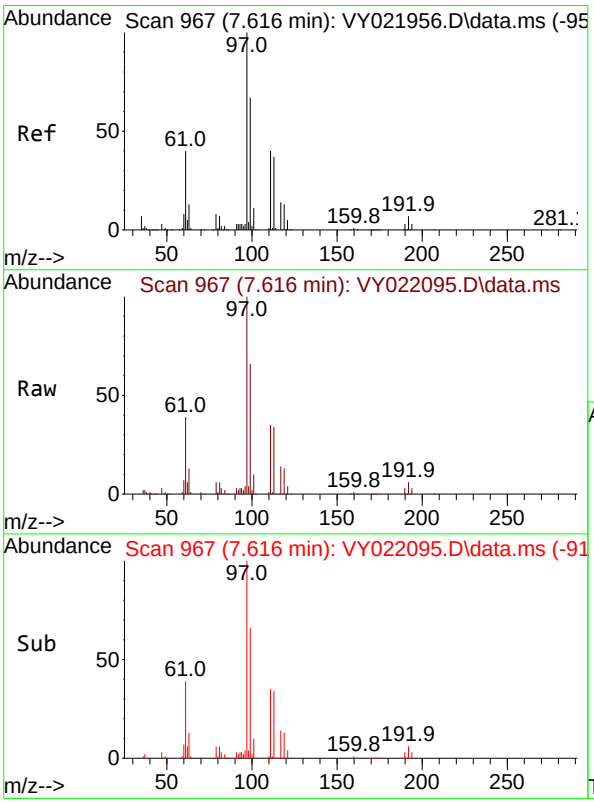
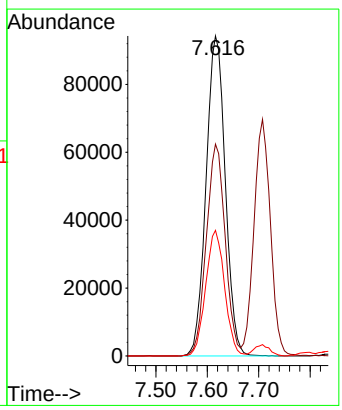


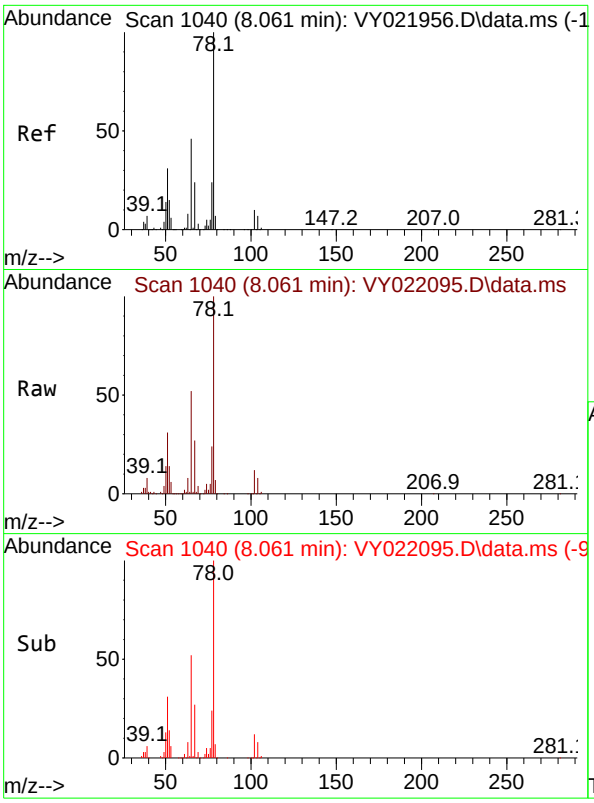


#32
1,1,1-Trichloroethane
Concen: 45.518 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 97 Resp: 244709

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	38.8	31.4	47.2

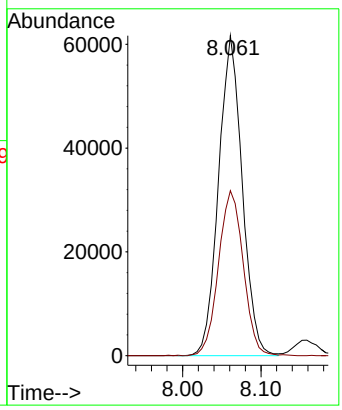




#33
1,2-Dichloroethane-d4
Concen: 46.711 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 65 Resp: 12945

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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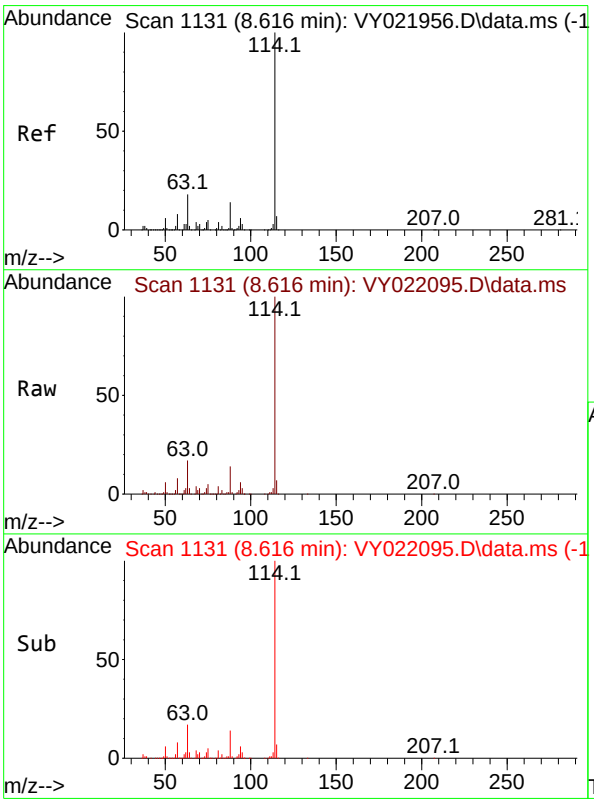
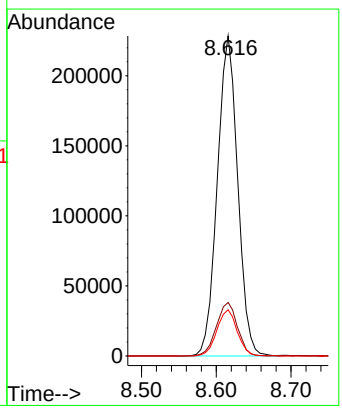
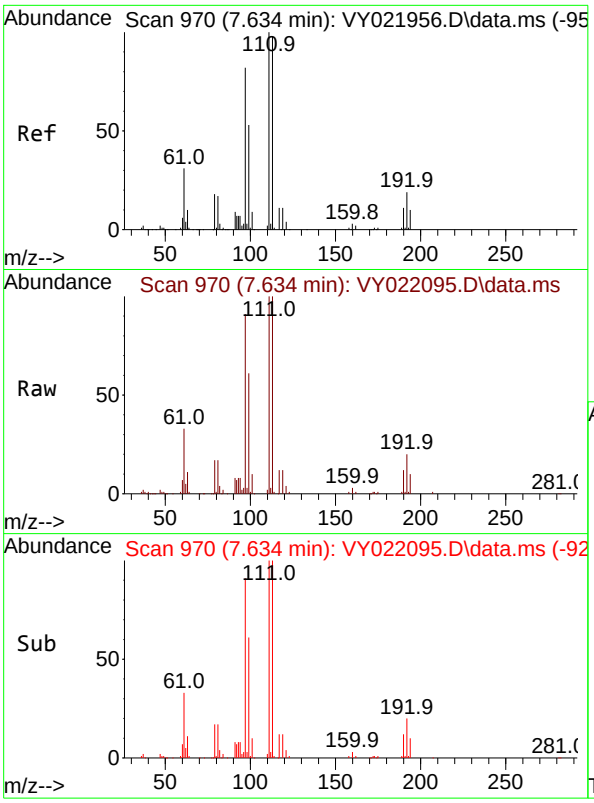


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:114 Resp: 433614

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	35.4
88	14.5	0.0	28.2

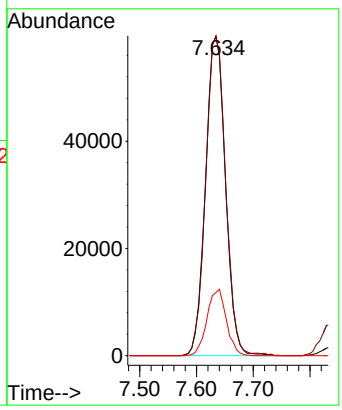




#35
Dibromofluoromethane
Concen: 50.745 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:113 Resp: 14536

Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.8	122.8
192	20.2	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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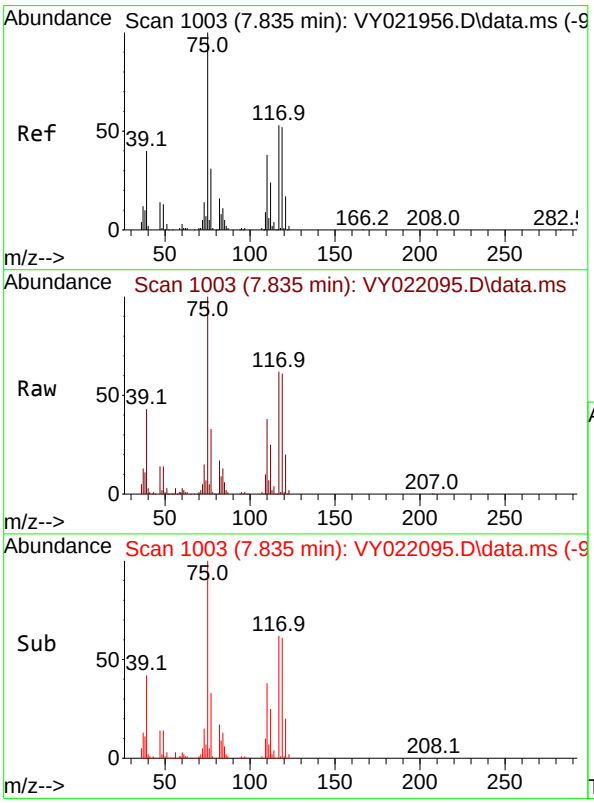
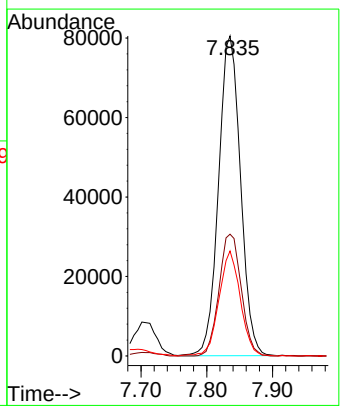
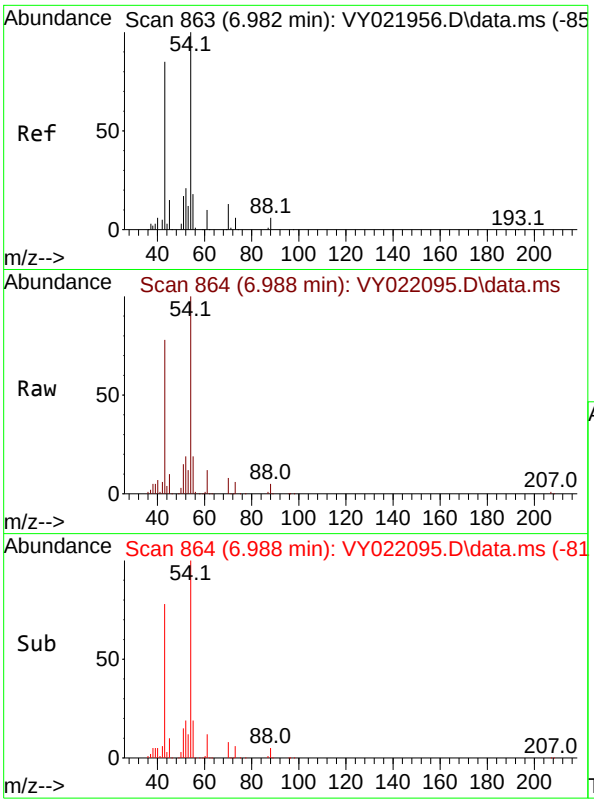


#36
1,1-Dichloropropene
Concen: 48.590 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 186977

Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	32.0	25.5	38.3





#37
Ethyl Acetate
Concen: 51.230 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 7080

Ion	Ratio	Lower	Upper
43	100		
61	15.6	13.8	20.6
70	12.5	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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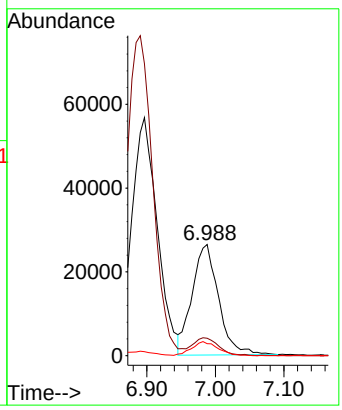
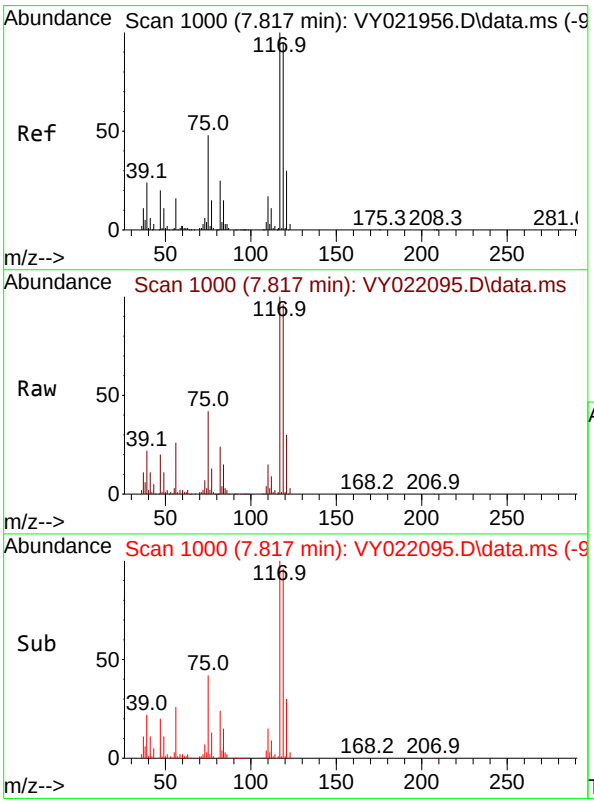
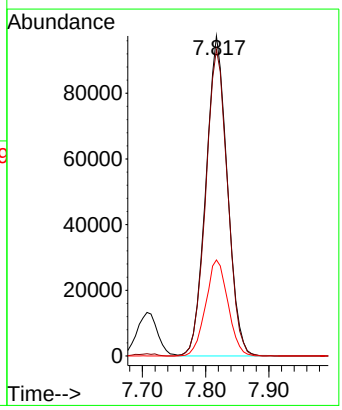


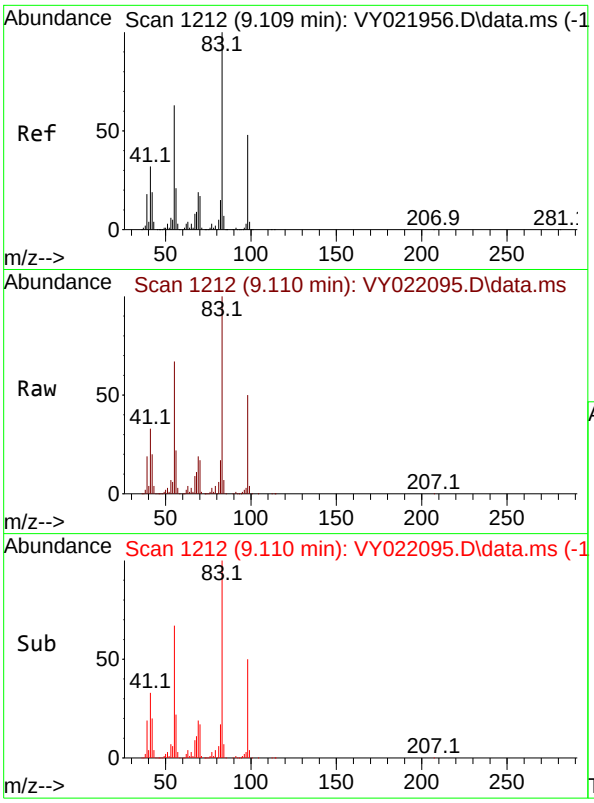


#38
Carbon Tetrachloride
Concen: 49.824 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:117 Resp: 229097

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.4
121	30.0	24.0	36.0





#39
Methylcyclohexane
Concen: 49.231 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 83 Resp: 23840

Ion	Ratio	Lower	Upper
83	100		
55	67.1	50.6	75.8
98	50.2	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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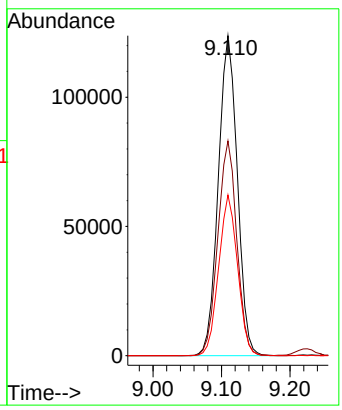
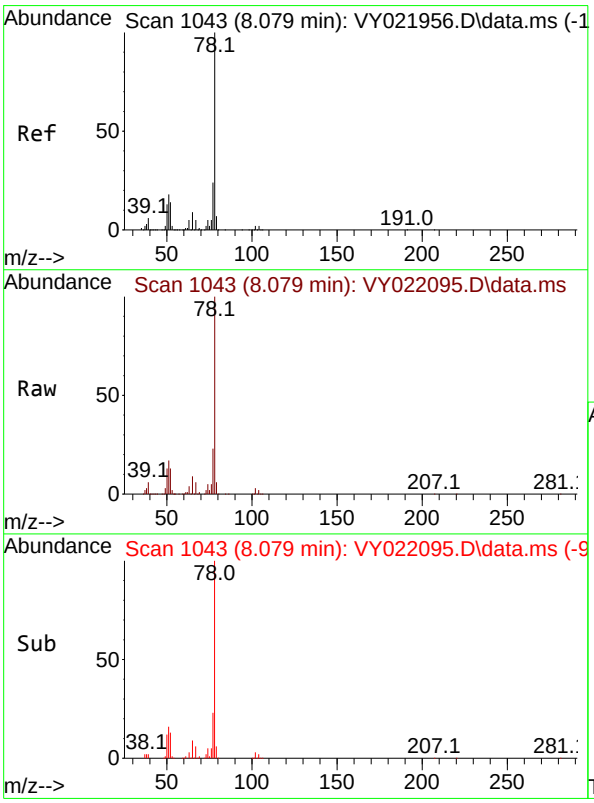
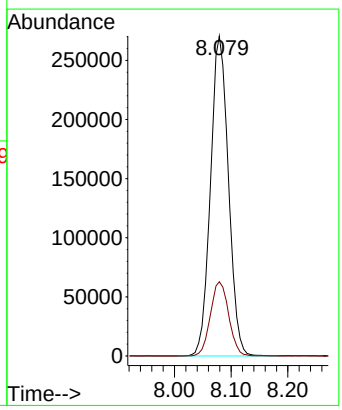


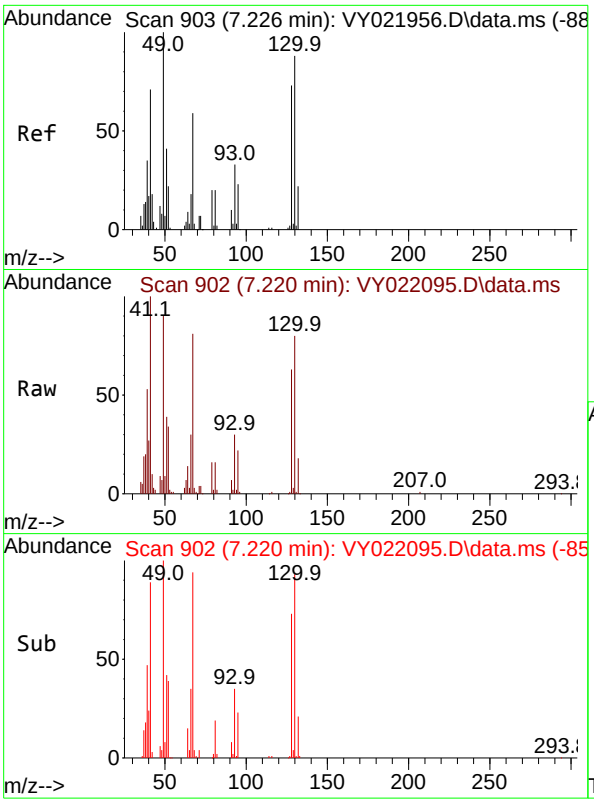


#40
Benzene
Concen: 49.378 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 78 Resp: 593961

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9

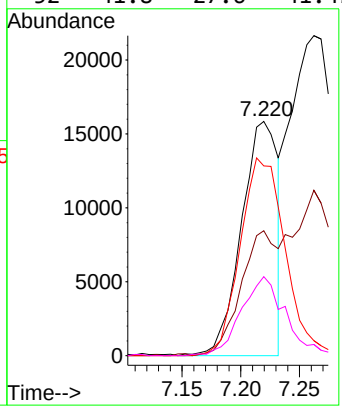




#41
Methacrylonitrile
Concen: 45.180 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 41 Resp: 3413

Ion	Ratio	Lower	Upper
41	100		
39	53.5	36.6	55.0
67	105.7	72.2	108.4
52	41.8	27.6	41.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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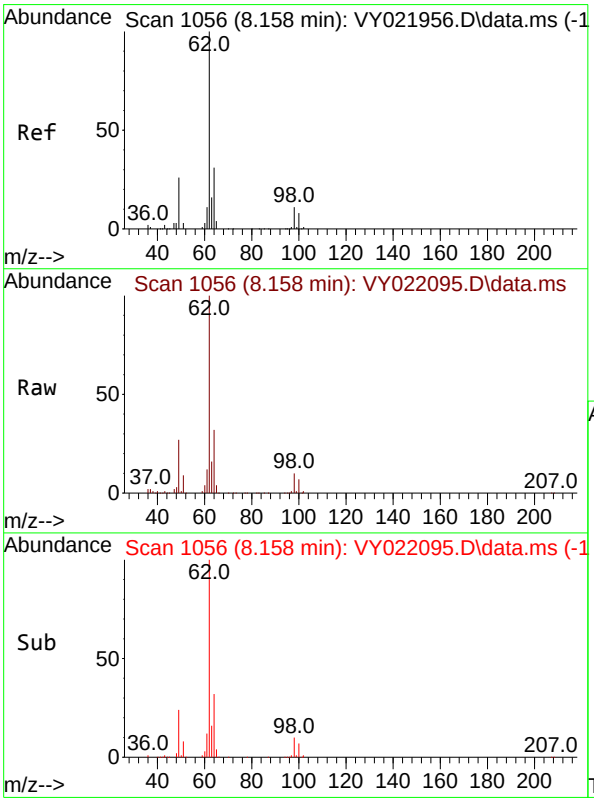
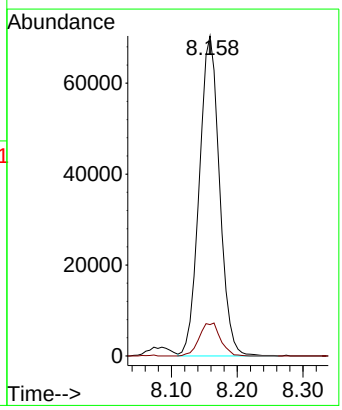
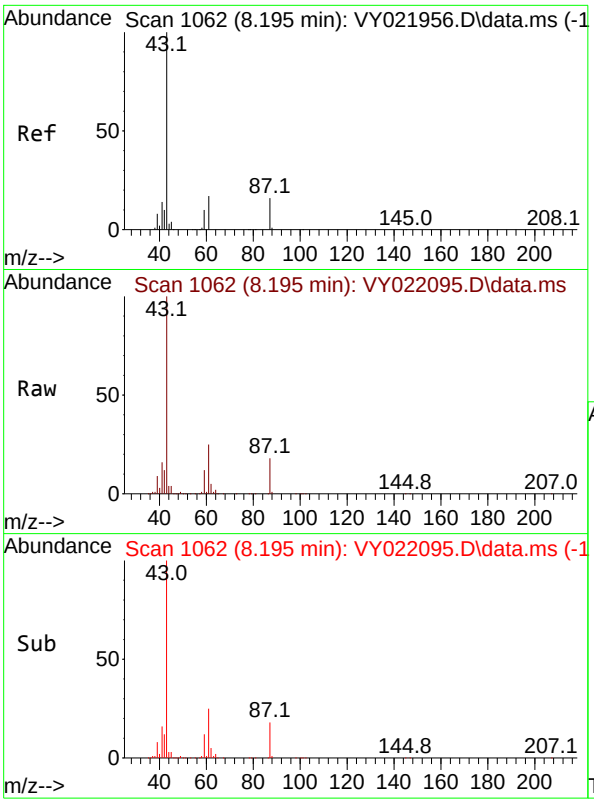


#42
1,2-Dichloroethane
Concen: 50.652 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 62 Resp: 150849

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0





#43
Isopropyl Acetate
Concen: 49.331 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 13092

Ion	Ratio	Lower	Upper
43	100		
61	23.9	18.9	28.3
87	17.4	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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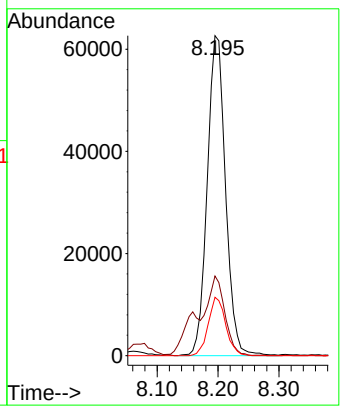
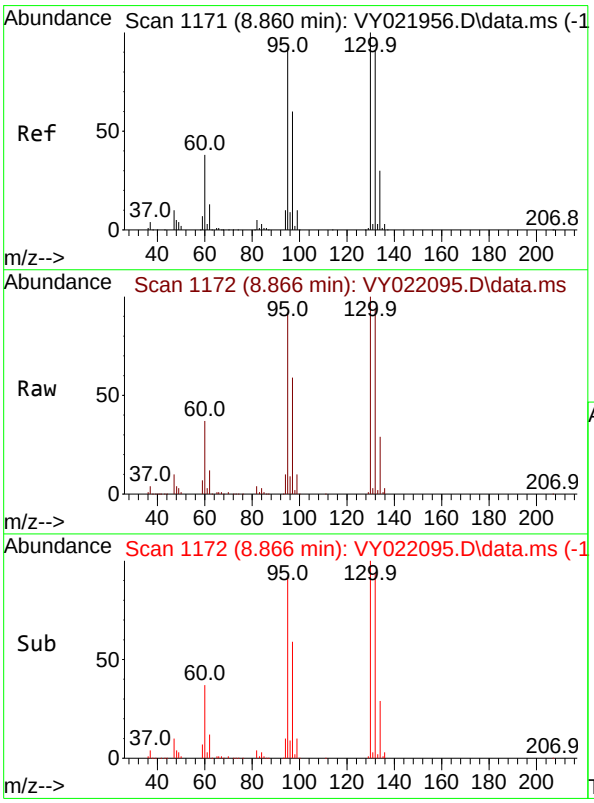
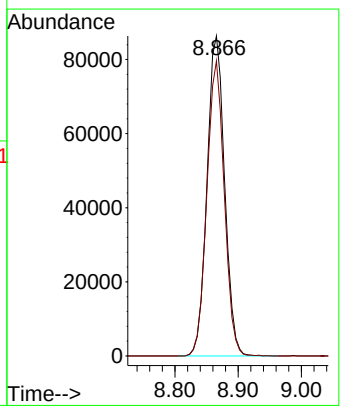


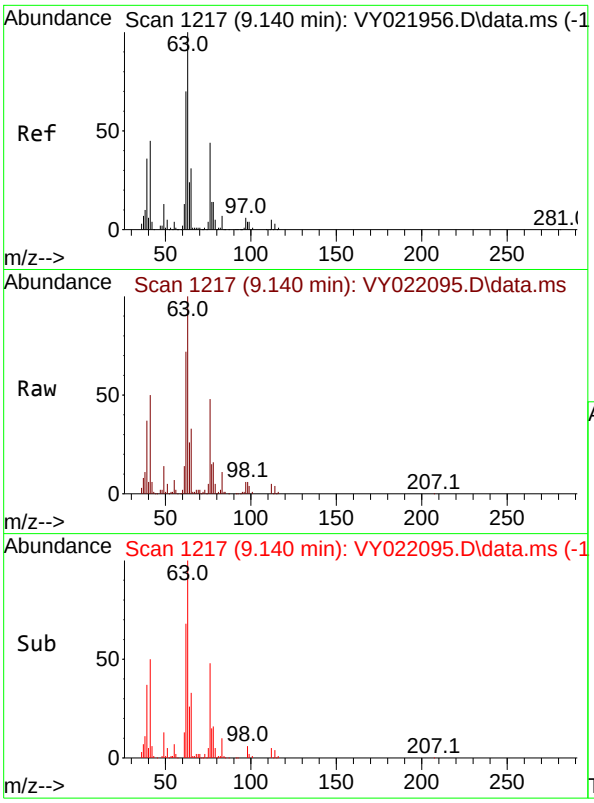


#44
Trichloroethene
Concen: 50.105 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:130 Resp: 166940

Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	183.2





#45
1,2-Dichloropropane
Concen: 49.528 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

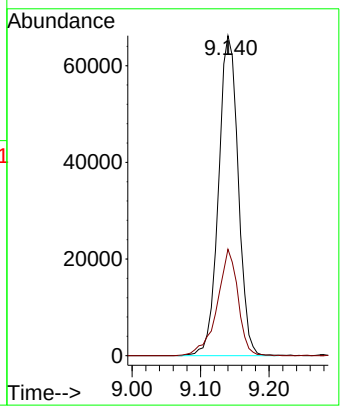
Tgt Ion: 63 Resp: 13174

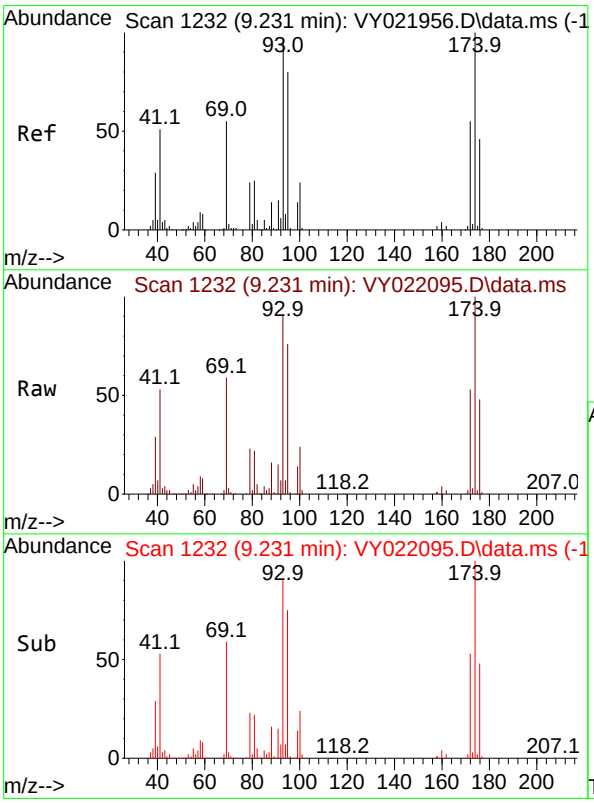
Ion	Ratio	Lower	Upper
63	100		
65	33.2	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

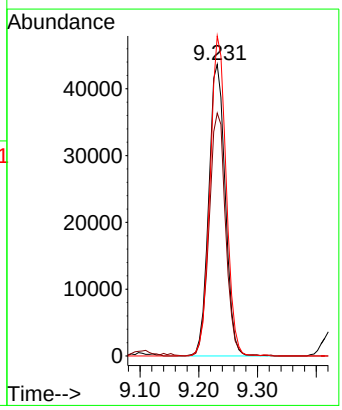


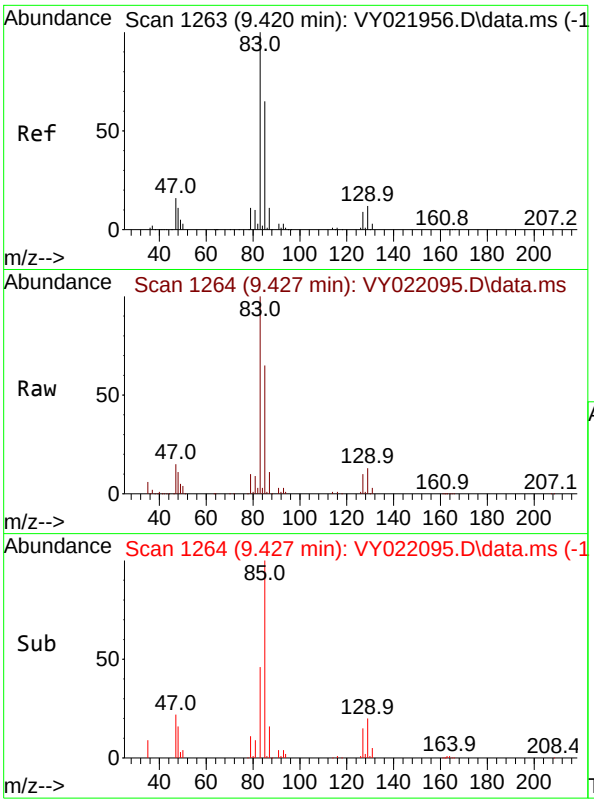


#46
Dibromomethane
Concen: 51.032 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 93 Resp: 84979

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.7	100.1
174	107.2	84.6	127.0

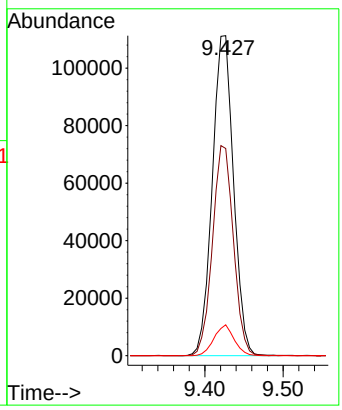




#47
Bromodichloromethane
Concen: 50.411 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 83 Resp: 20970

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	9.7	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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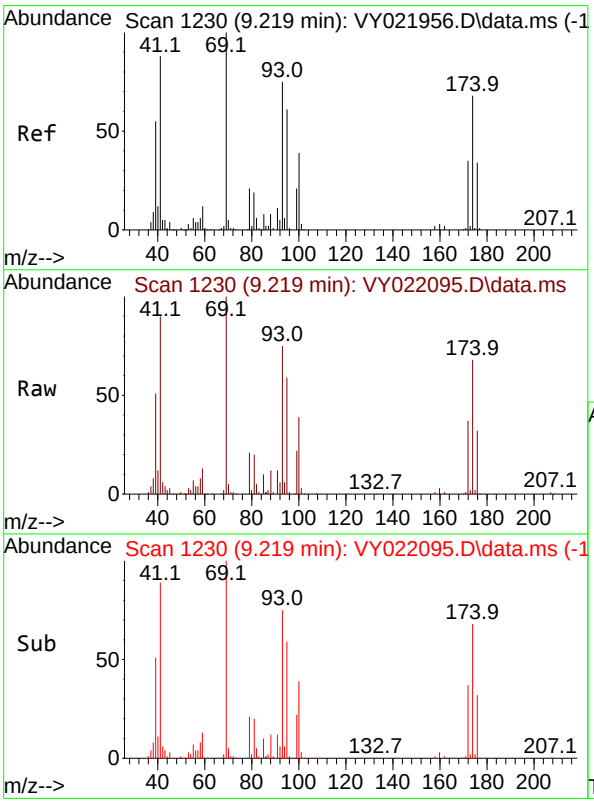
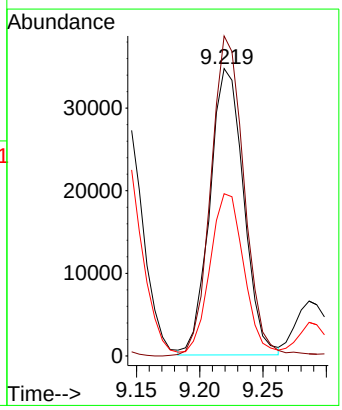
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

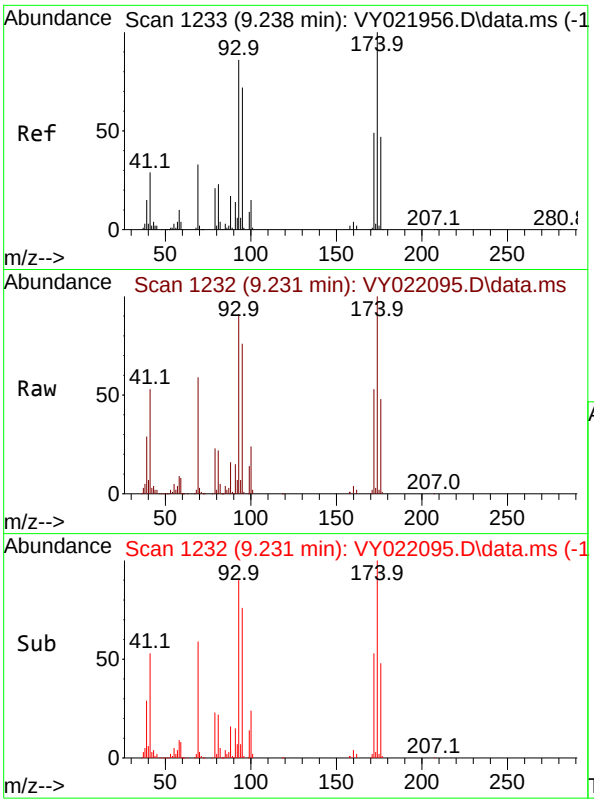


#48
Methyl methacrylate
Concen: 52.563 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 41 Resp: 64491

Ion	Ratio	Lower	Upper
41	100		
69	109.9	85.5	128.3
39	54.7	46.2	69.4





#49
1,4-Dioxane
Concen: 1098.297 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 88 Resp: 1949

Ion	Ratio	Lower	Upper
88	100		
43	21.4	21.3	31.9
58	56.4	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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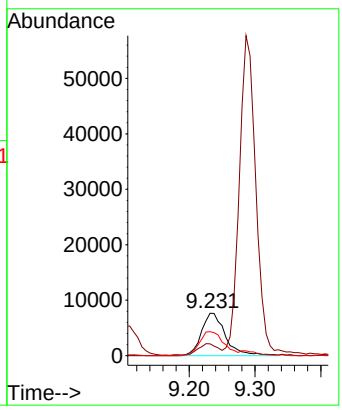
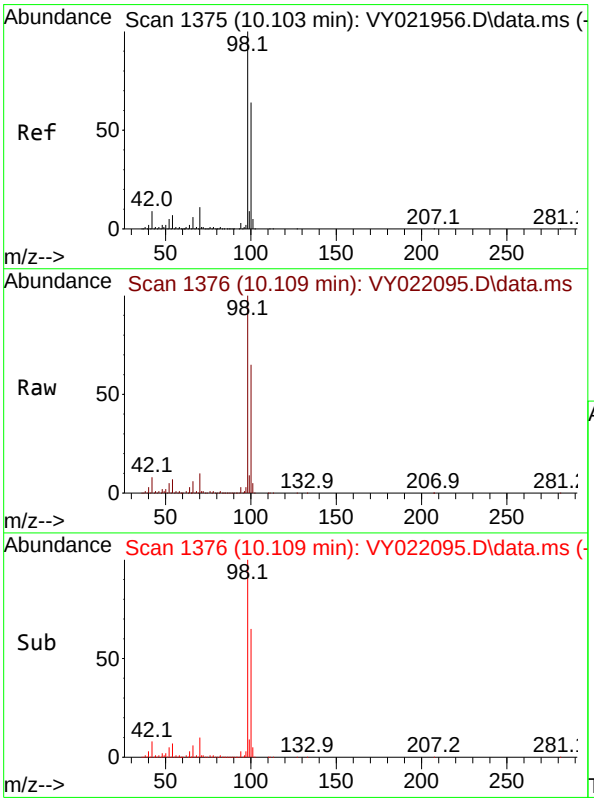
Supervised By :Mahesh Dadoda 05/05/2025

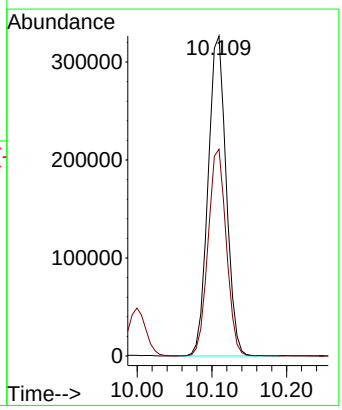


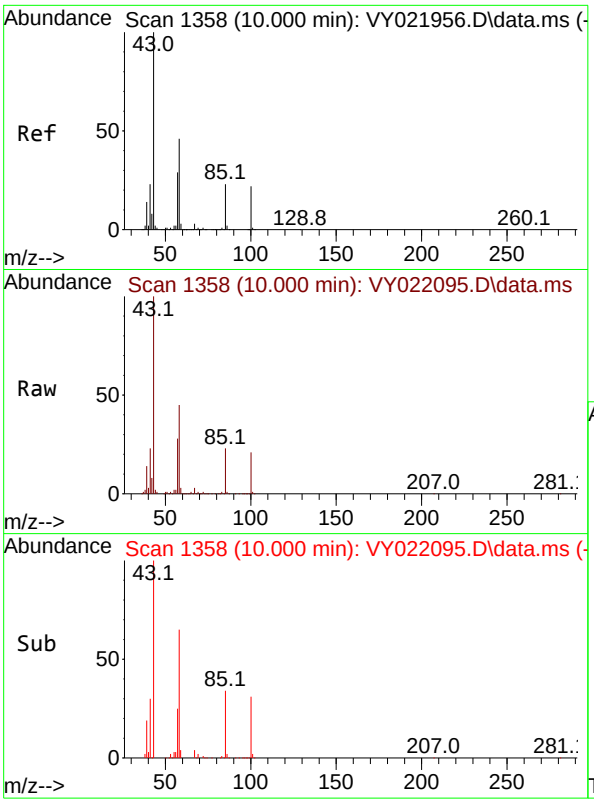


#50
Toluene-d8
Concen: 50.988 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 98 Resp: 550662

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 274.117 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 38137

Ion	Ratio	Lower	Upper
43	100		
58	45.5	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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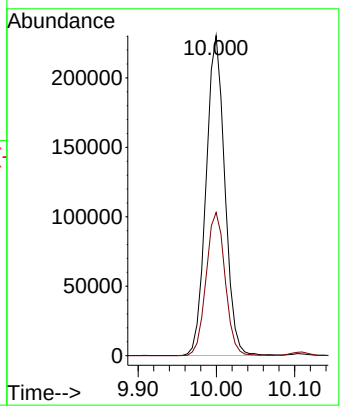
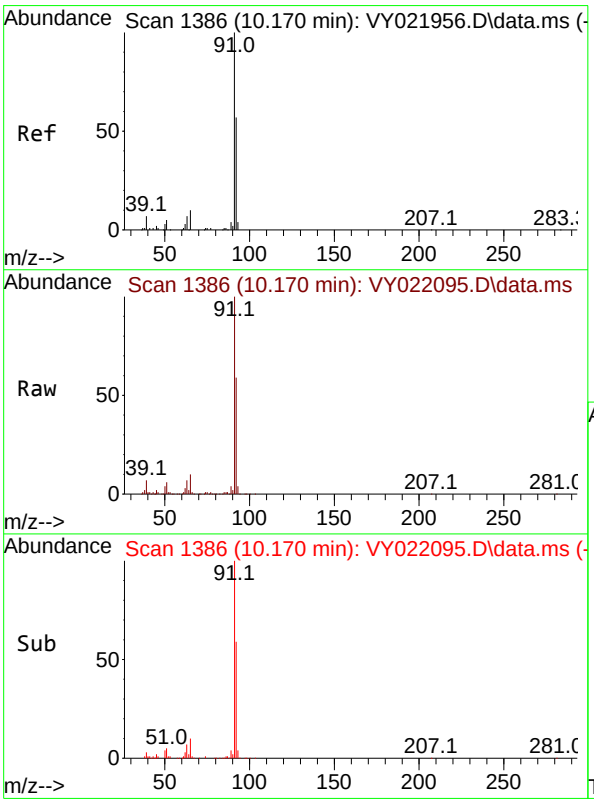
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

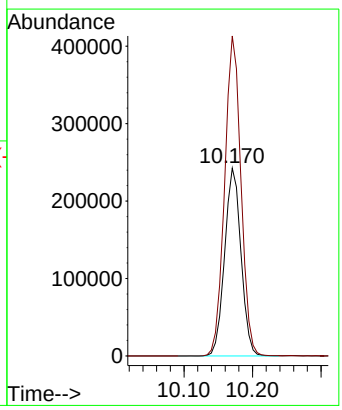


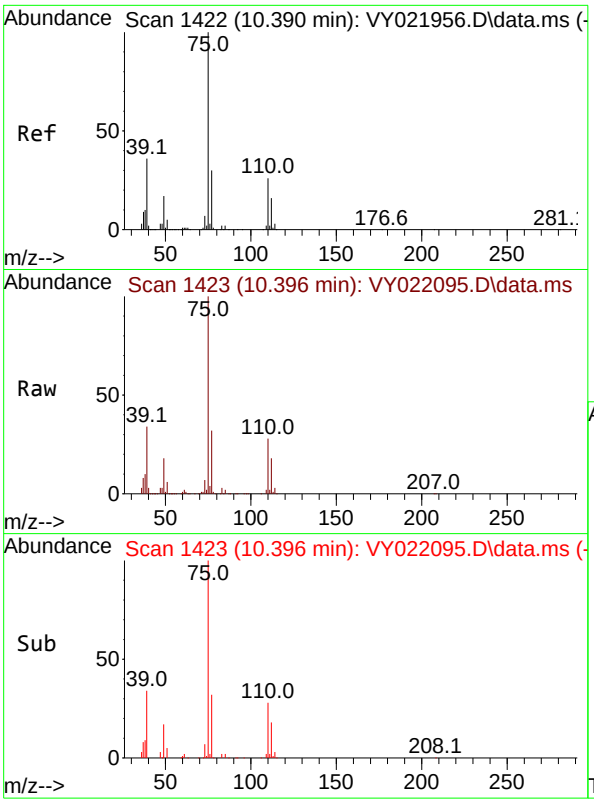


#52
Toluene
Concen: 51.517 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 92 Resp: 401133

Ion	Ratio	Lower	Upper
92	100		
91	170.4	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 50.528 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 18029

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/05/2025
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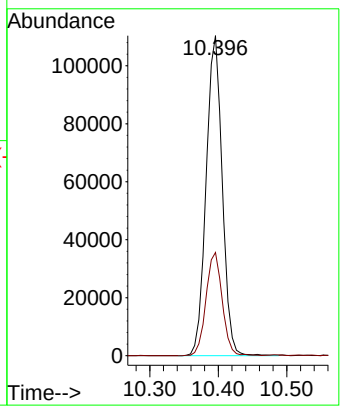
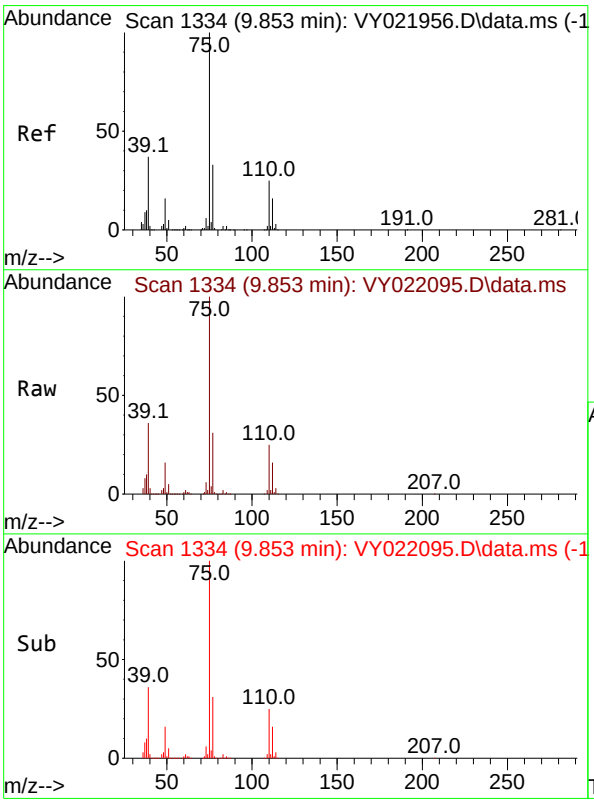
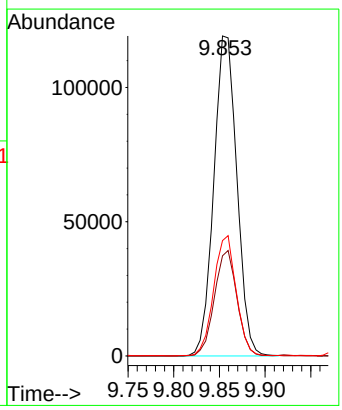


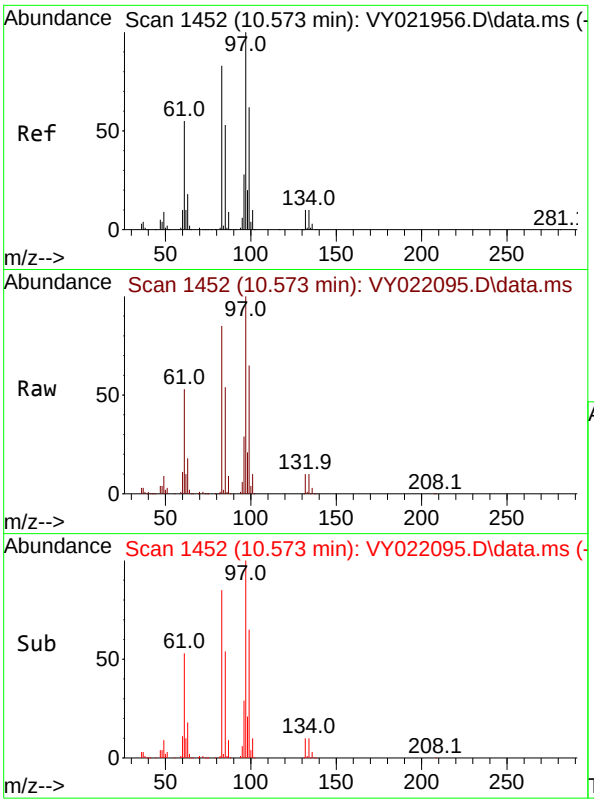


#54
cis-1,3-Dichloropropene
Concen: 49.447 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 209730

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.6	40.0
39	35.9	29.6	44.4

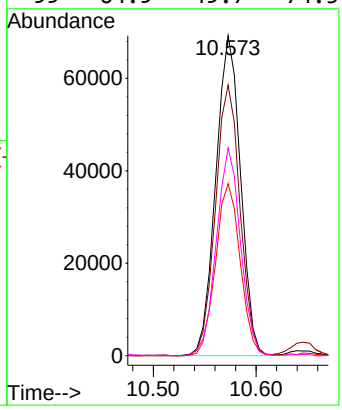




#55
1,1,2-Trichloroethane
Concen: 52.135 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 97 Resp: 11596

Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.7	100.1
85	53.7	42.6	64.0
99	64.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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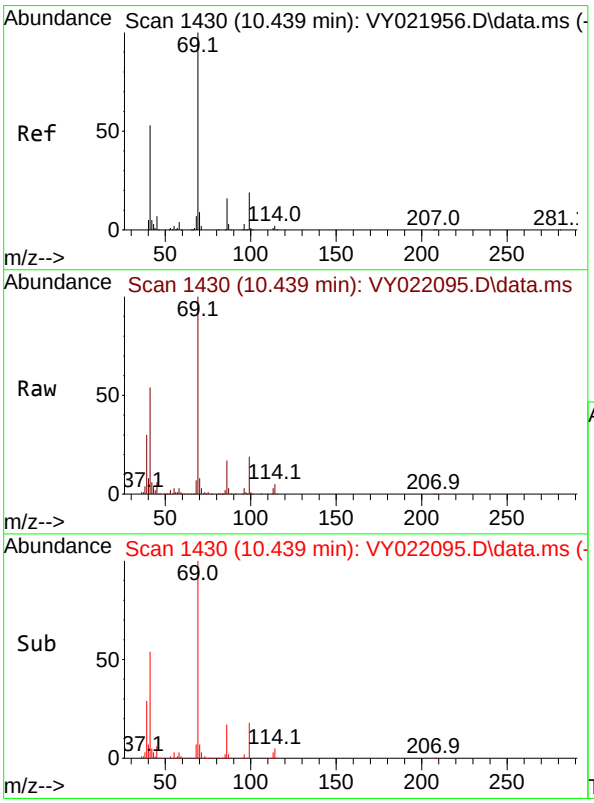
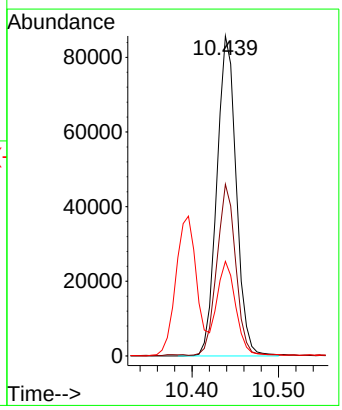
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

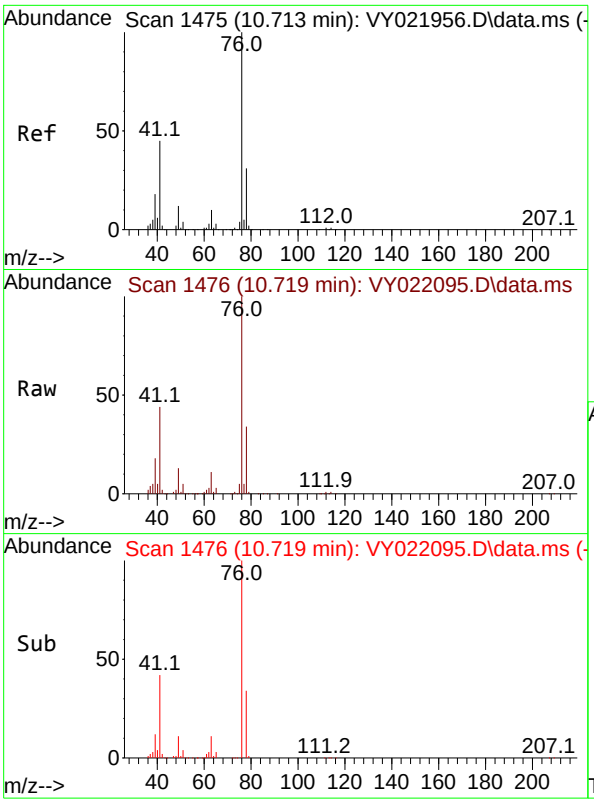


#56
Ethyl methacrylate
Concen: 52.343 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 69 Resp: 133143

Ion	Ratio	Lower	Upper
69	100		
41	52.0	40.7	61.1
39	27.9	23.3	34.9





#57
1,3-Dichloropropane
Concen: 51.135 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 76 Resp: 18234

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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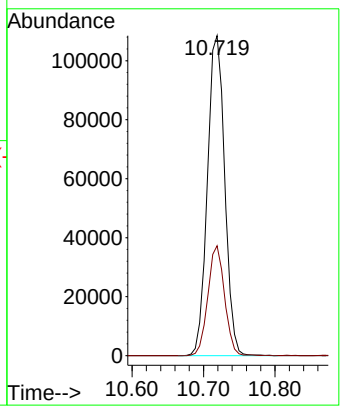
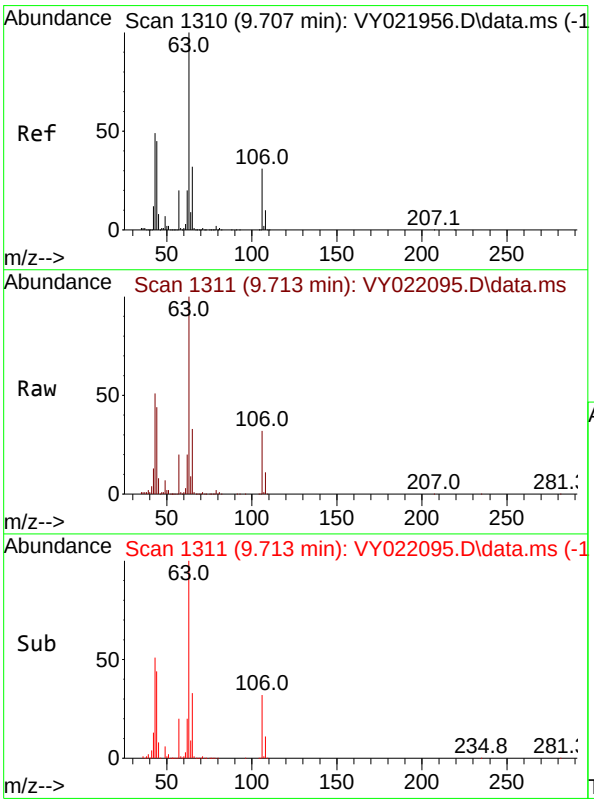
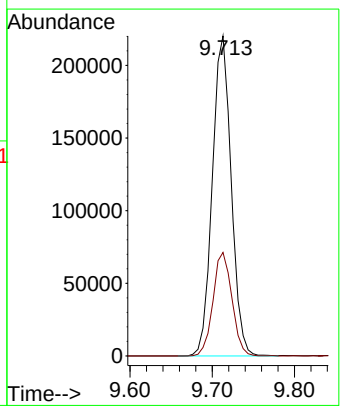


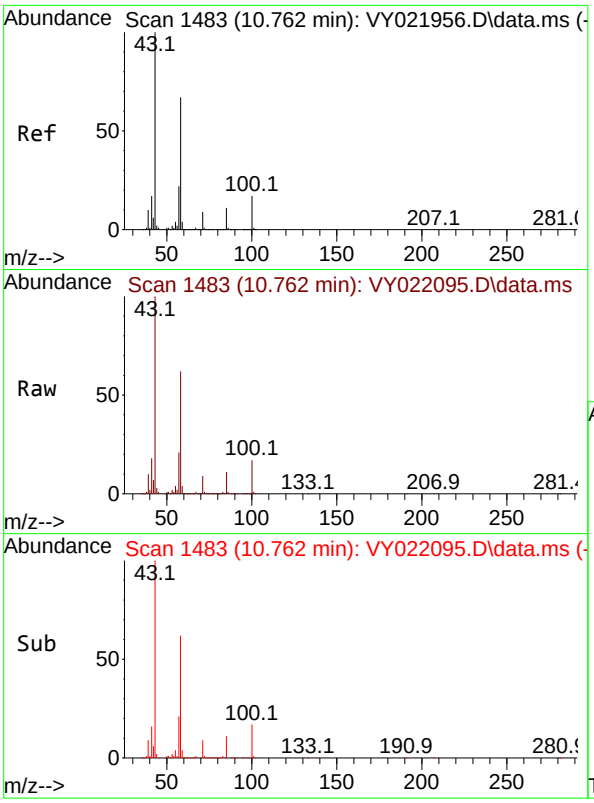


#58
2-Chloroethyl Vinyl ether
Concen: 282.693 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 63 Resp: 351579

Ion	Ratio	Lower	Upper
63	100		
106	32.4	25.3	37.9





#59
2-Hexanone
Concen: 278.311 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 25539

Ion	Ratio	Lower	Upper
43	100		
58	63.3	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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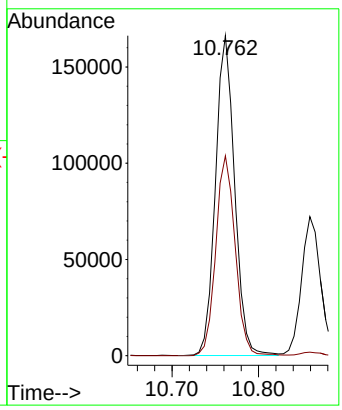
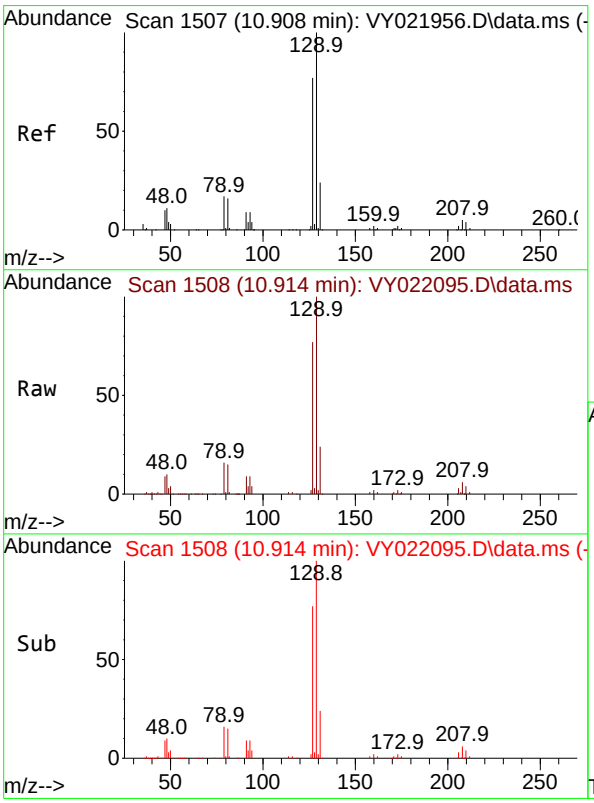
Supervised By :Mahesh Dadoda 05/05/2025

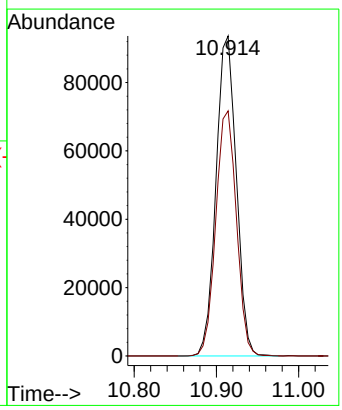


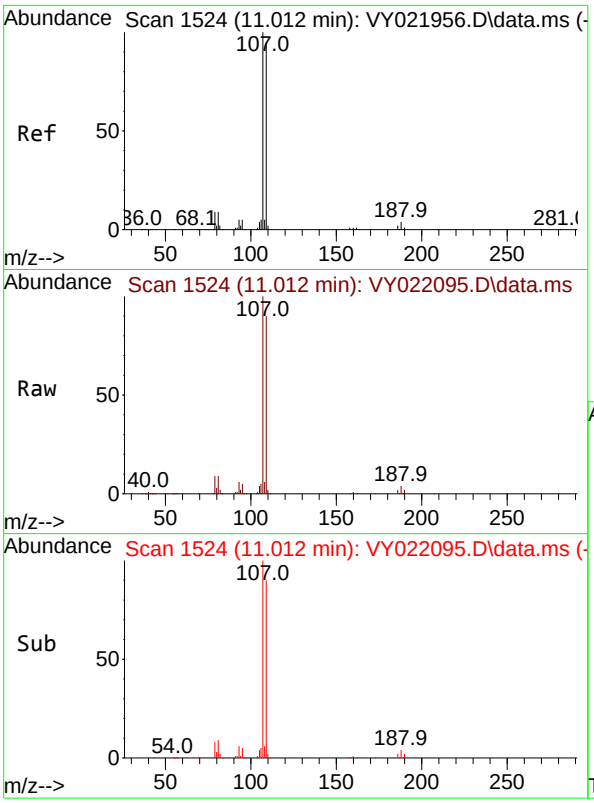


#60
Dibromochloromethane
Concen: 52.183 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:129 Resp: 160702

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.3





#61
1,2-Dibromoethane
Concen: 51.771 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

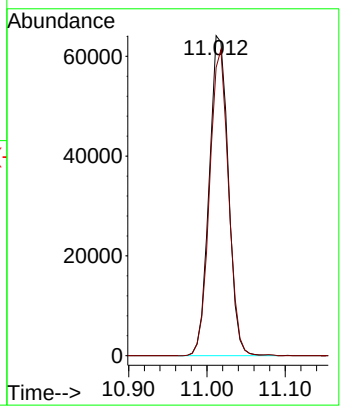
Tgt Ion:107 Resp: 10871

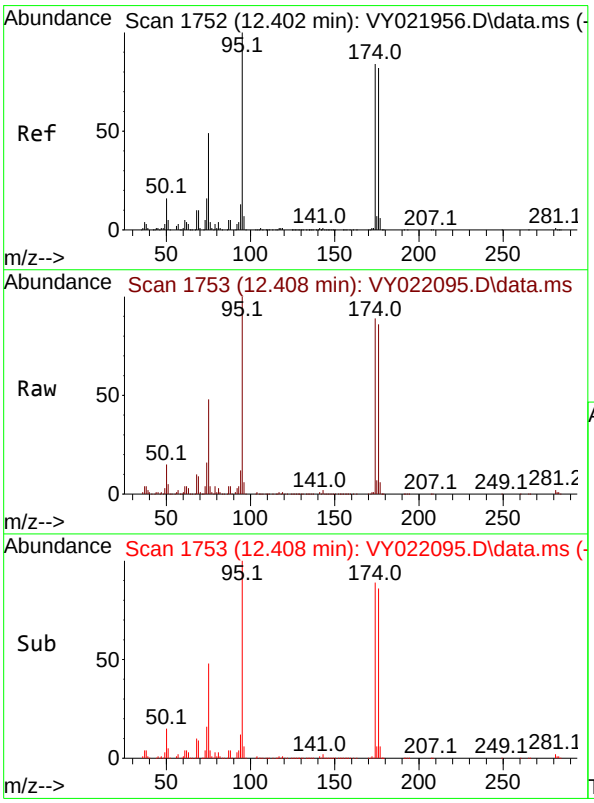
Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

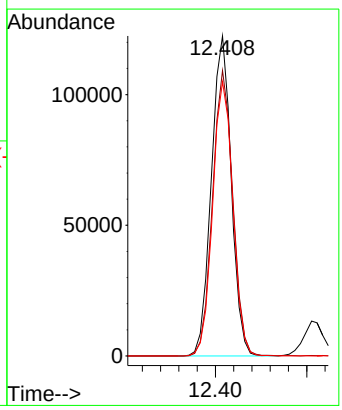


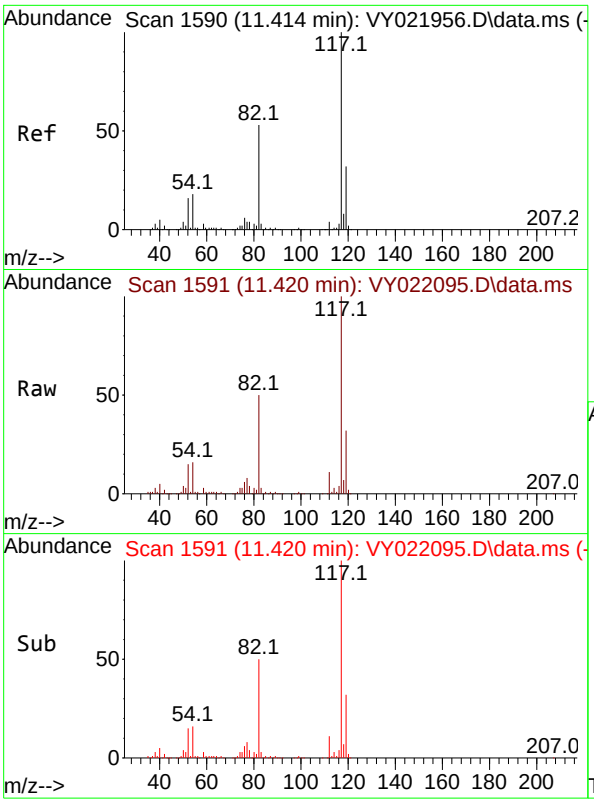


#62
4-Bromofluorobenzene
Concen: 50.971 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 95 Resp: 185315

Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	179.0
176	87.0	0.0	171.8

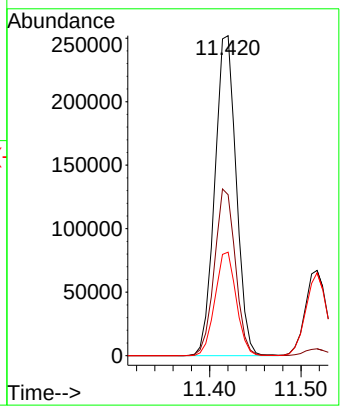




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:117 Resp: 41007

Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.1	63.1
119	32.4	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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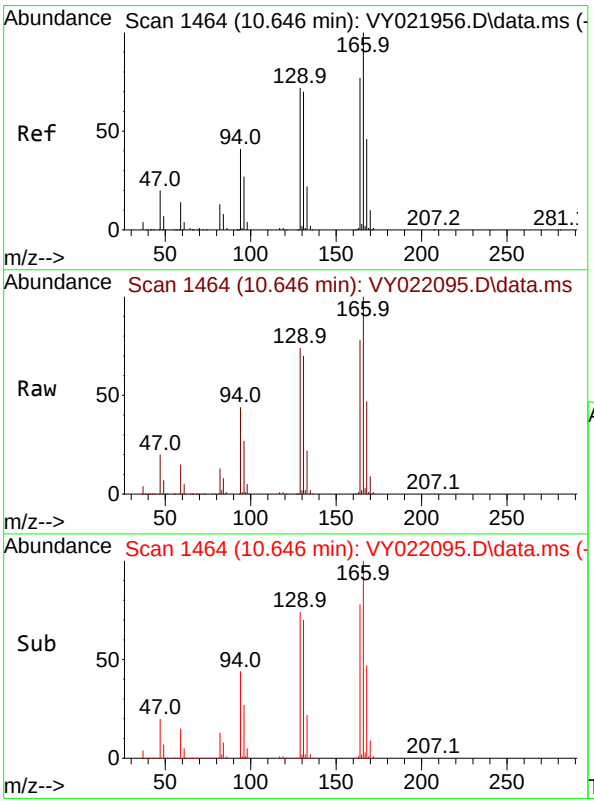
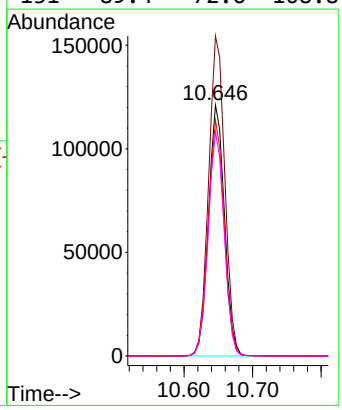
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

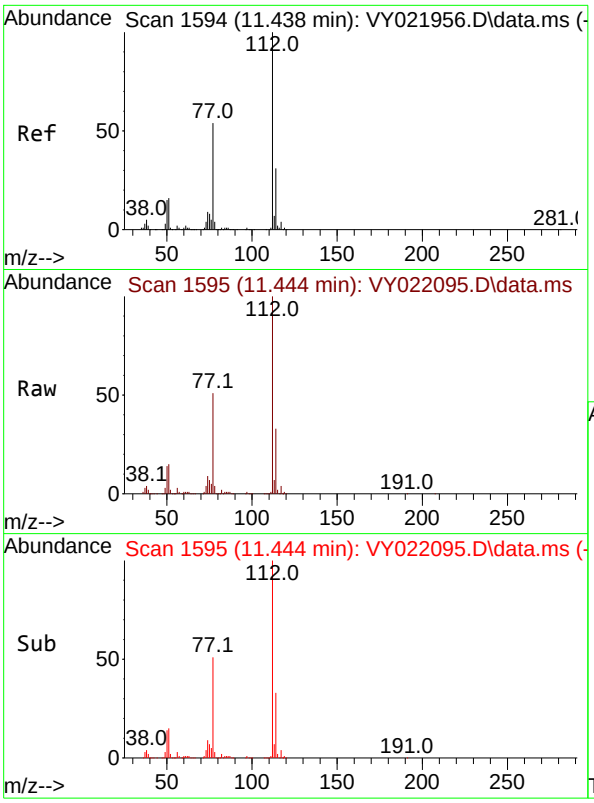


#64
Tetrachloroethene
Concen: 51.010 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:164 Resp: 197335

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	94.0	74.2	111.4
131	89.4	72.6	108.8

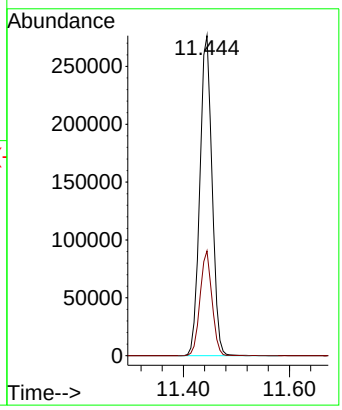




#65
Chlorobenzene
Concen: 48.212 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:112 Resp: 44212

Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.0	37.4



Instrument :
MSVOA_Y
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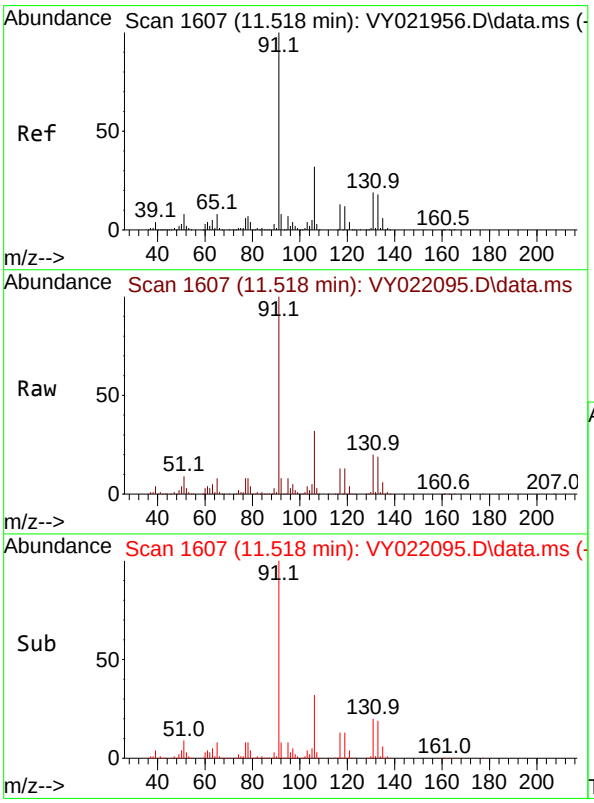
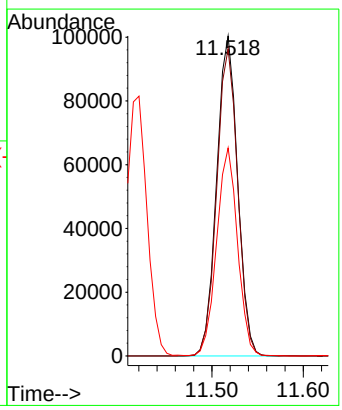
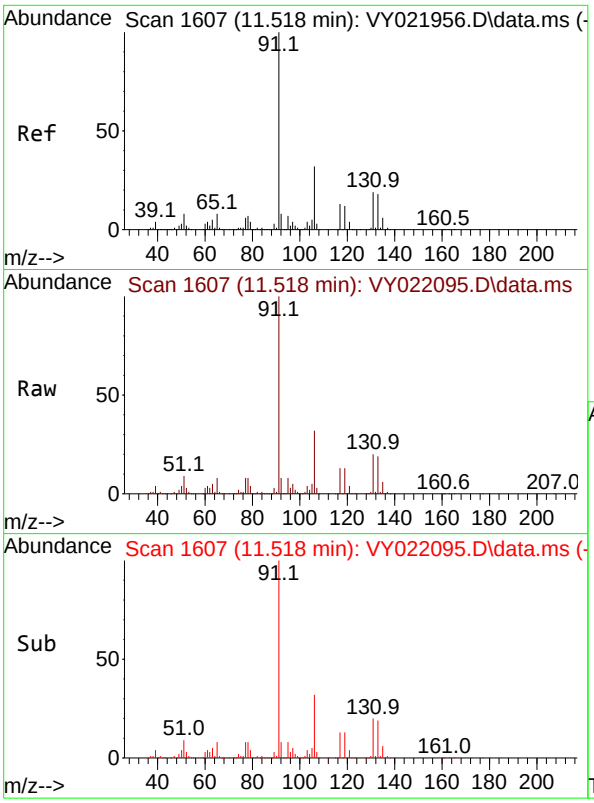


#66
1,1,1,2-Tetrachloroethane
Concen: 49.657 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:131 Resp: 160317

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	64.8	32.4	97.0

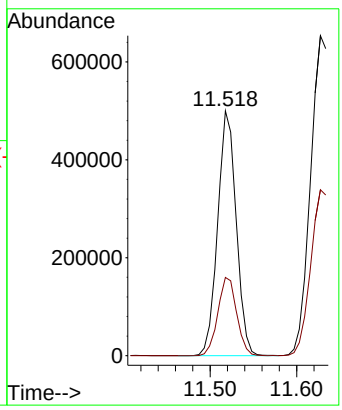




#67
Ethyl Benzene
Concen: 49.517 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 91 Resp: 74281

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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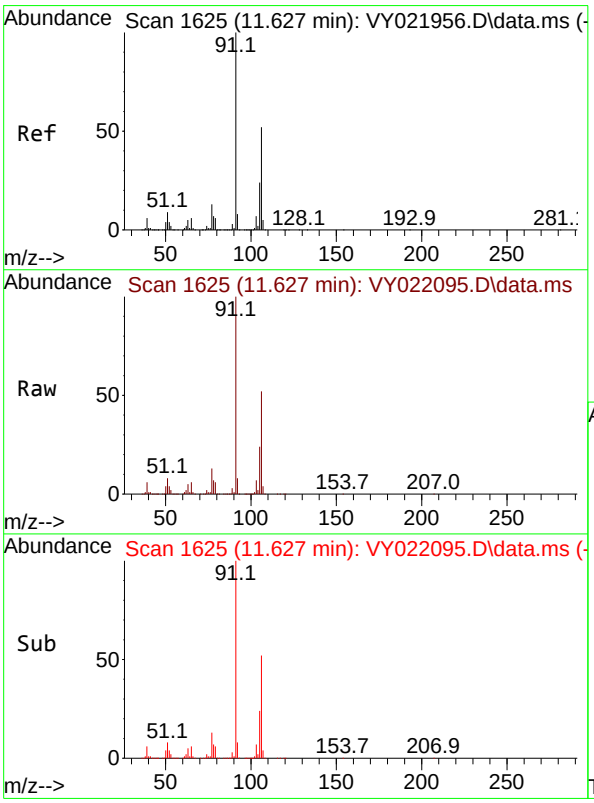
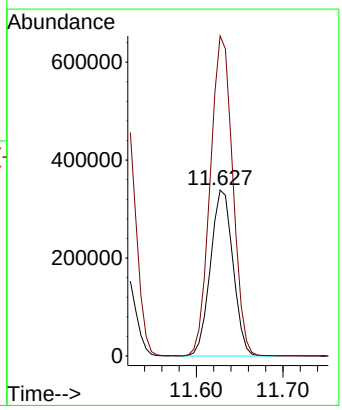
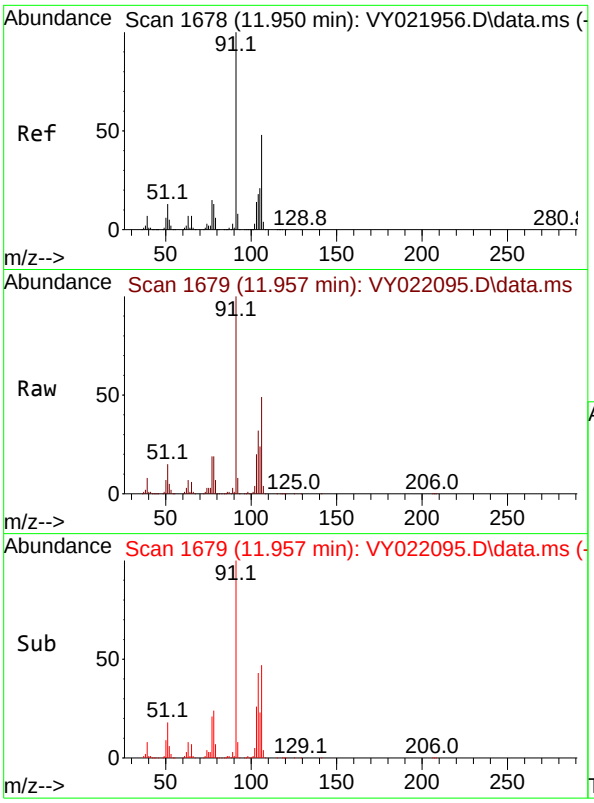


#68
m/p-Xylenes
Concen: 102.352 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:106 Resp: 610976

Ion	Ratio	Lower	Upper
106	100		
91	193.1	156.2	234.2

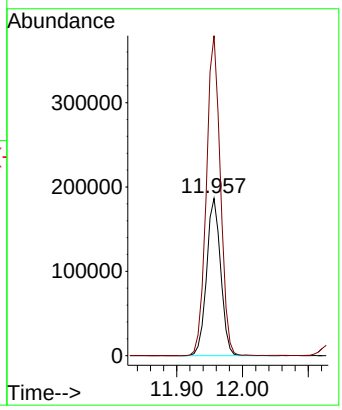




#69
o-Xylene
Concen: 50.386 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:106 Resp: 27721

Ion	Ratio	Lower	Upper
106	100		
91	202.9	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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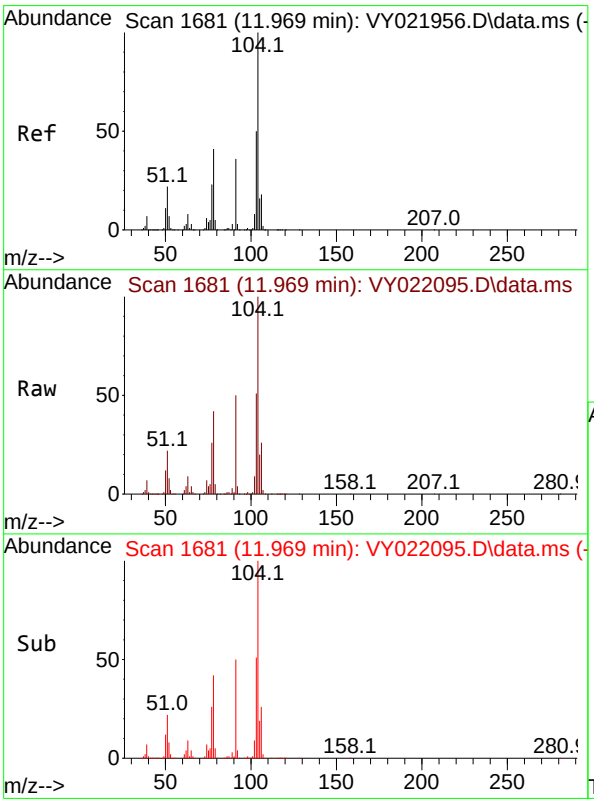
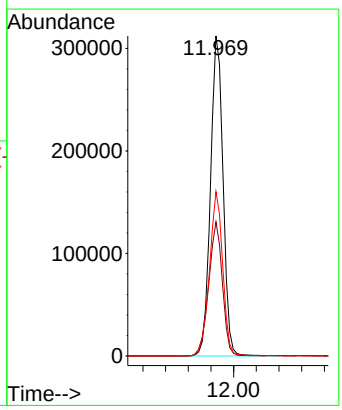
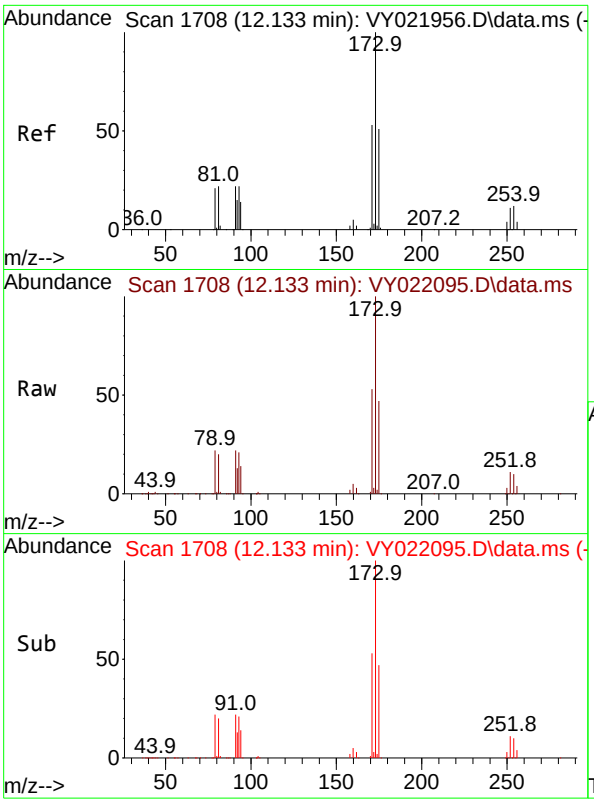


#70
Styrene
Concen: 52.004 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:104 Resp: 480407

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.6	54.8
103	54.2	43.8	65.8

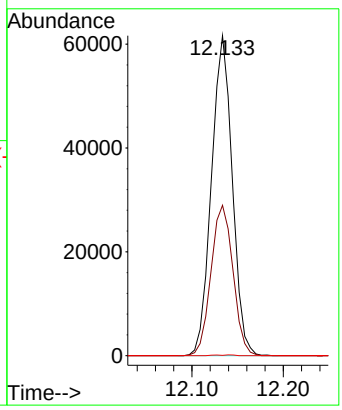




#71
Bromoform
Concen: 51.974 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:173 Resp: 9755

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.8
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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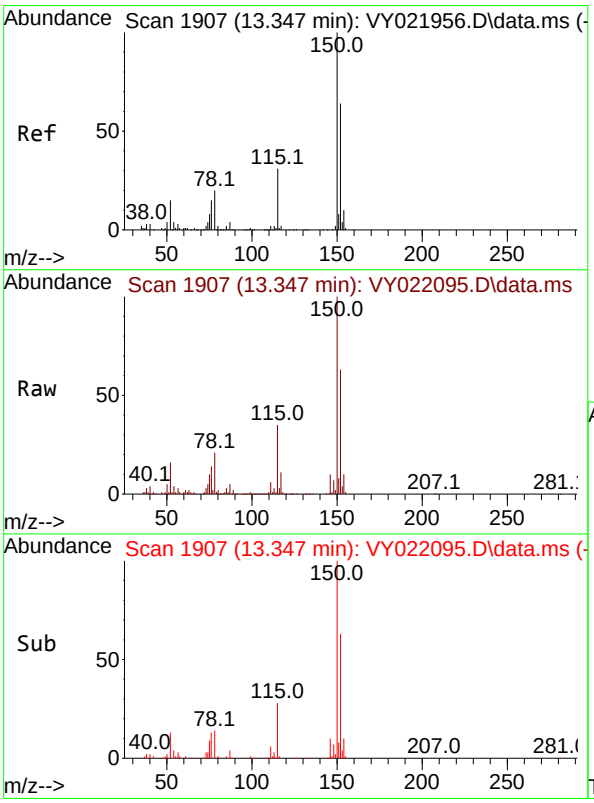
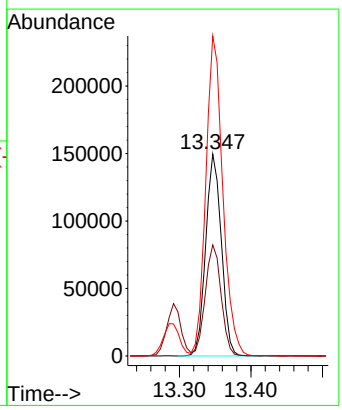
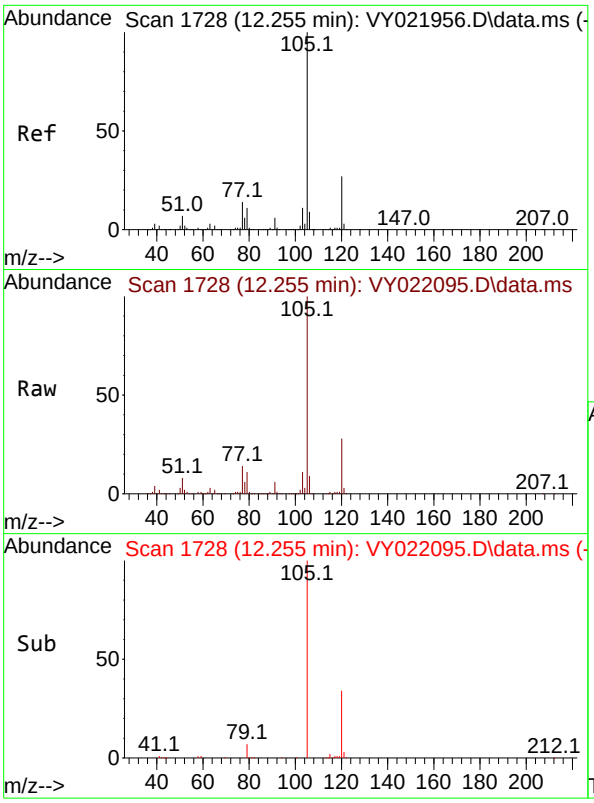


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:152 Resp: 227184

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	172.1	0.0	345.6





#73
Isopropylbenzene
Concen: 47.953 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:105 Resp: 72784

Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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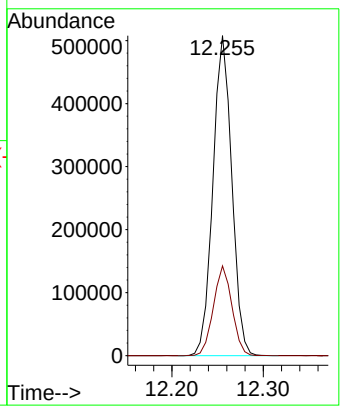
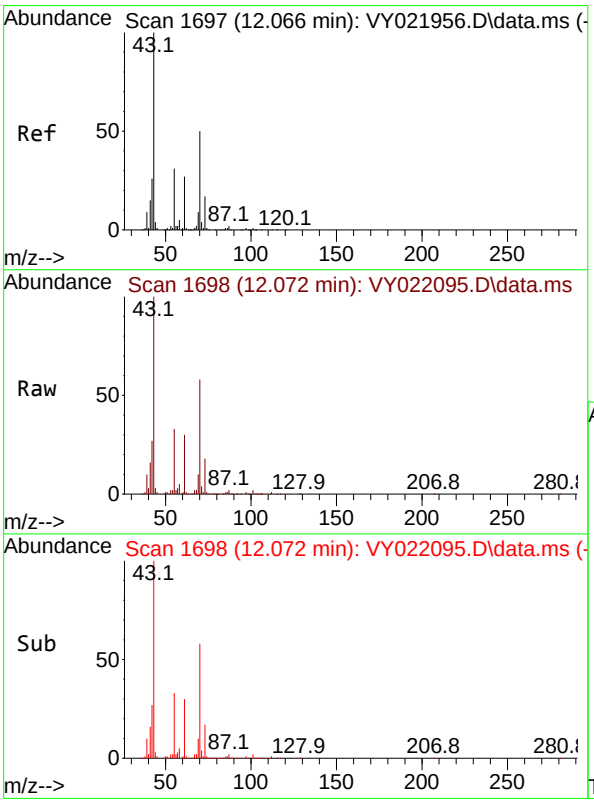
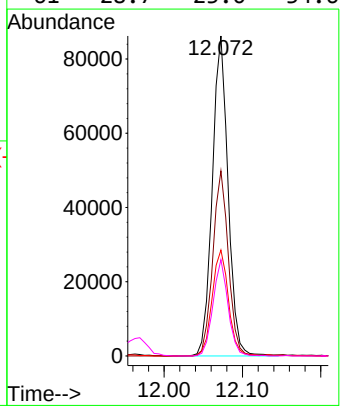


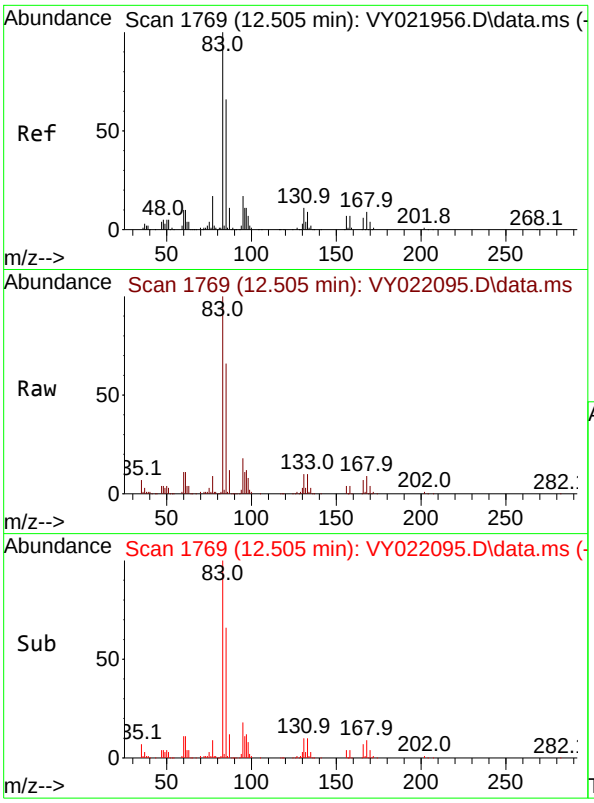


#74
N-amyl acetate
Concen: 46.314 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 120776

Ion	Ratio	Lower	Upper
43	100		
70	56.9	43.2	64.8
55	34.3	25.7	38.5
61	28.7	23.0	34.6

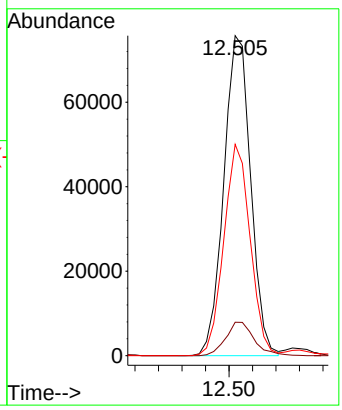




#75
1,1,2,2-Tetrachloroethane
Concen: 47.078 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 83 Resp: 12047

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	64.8	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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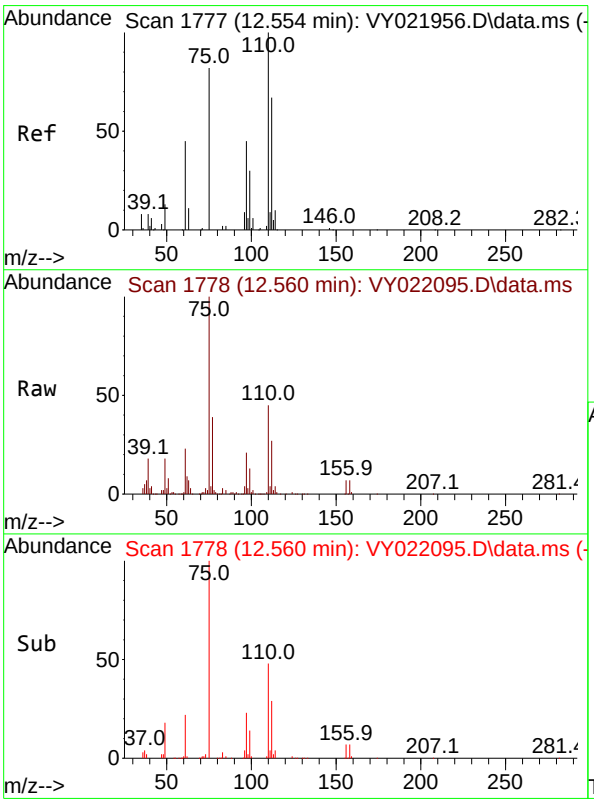
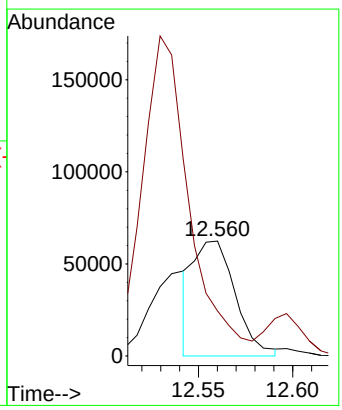
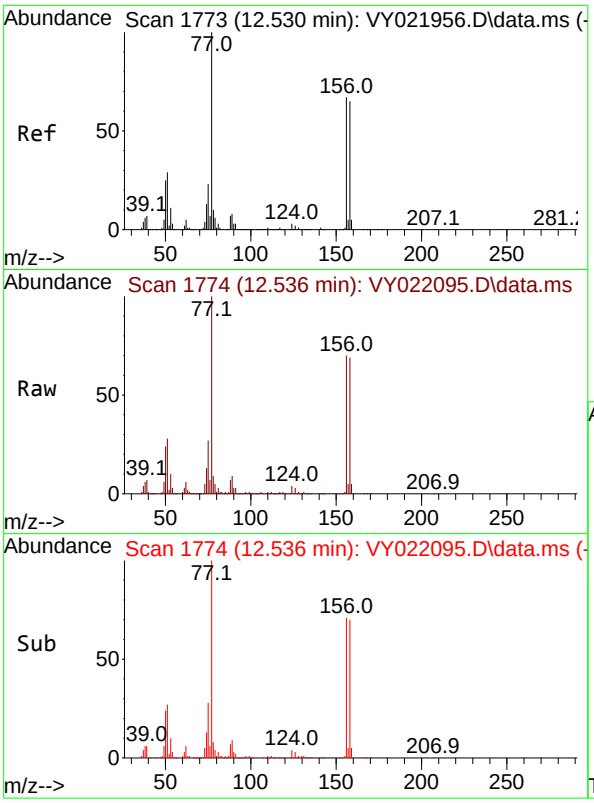


#76
1,2,3-Trichloropropane
Concen: 49.479 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 96284

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

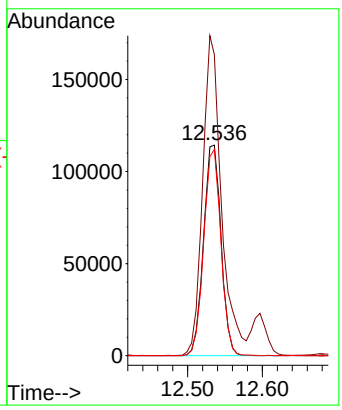




#77
Bromobenzene
Concen: 48.538 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:156 Resp: 18616

Ion	Ratio	Lower	Upper
156	100		
77	162.8	82.7	248.1
158	96.0	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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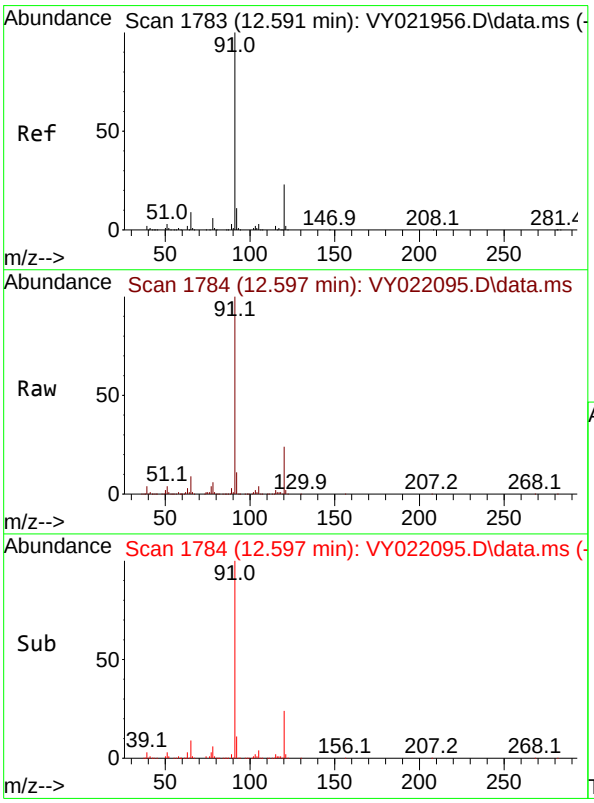
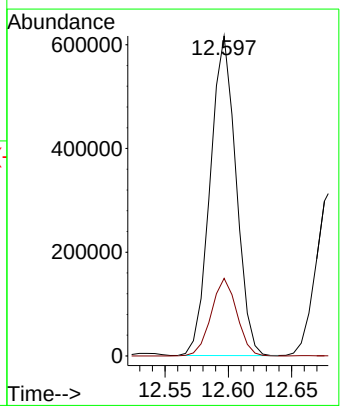
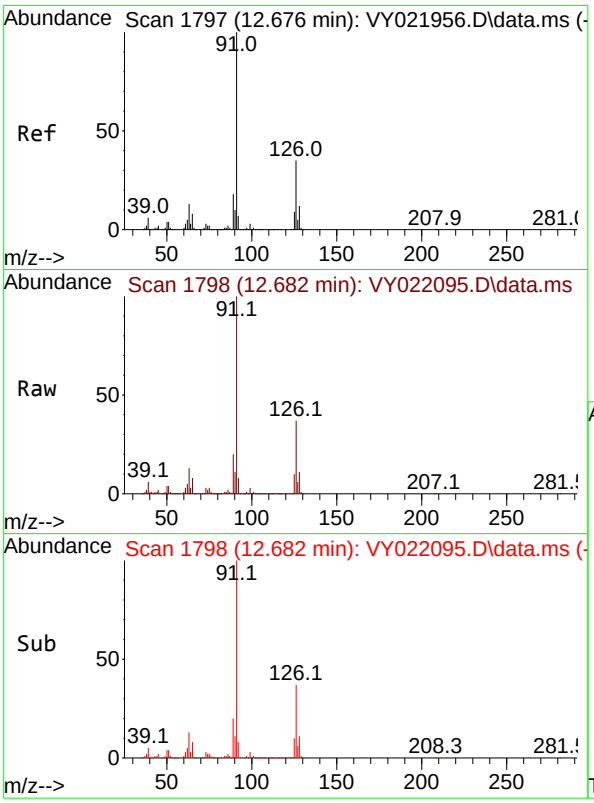


#78
n-propylbenzene
Concen: 48.382 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 91 Resp: 874536

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.5

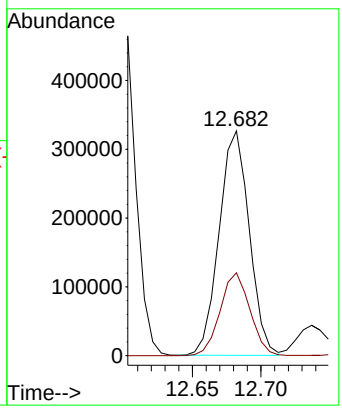




#79
2-Chlorotoluene
Concen: 47.417 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 91 Resp: 49844

Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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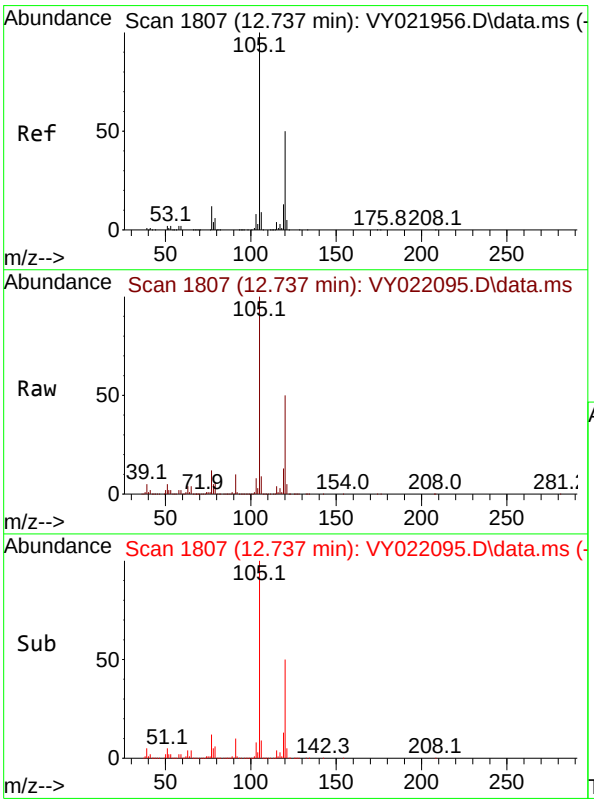
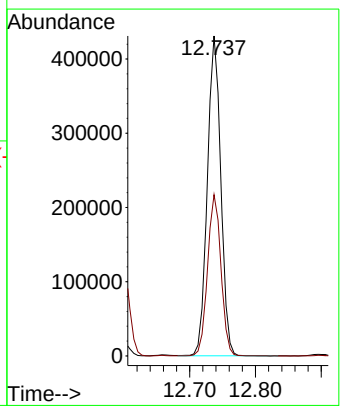
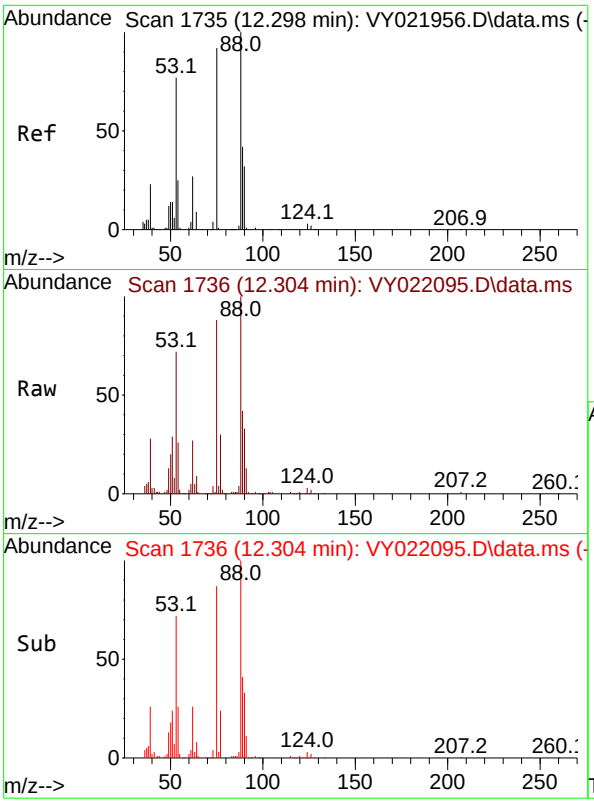


#80
1,3,5-Trimethylbenzene
Concen: 49.051 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:105 Resp: 613435

Ion	Ratio	Lower	Upper
105	100		
120	50.4	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 47.296 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 3821

Ion	Ratio	Lower	Upper
75	100		
53	80.9	66.0	99.0
89	48.3	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
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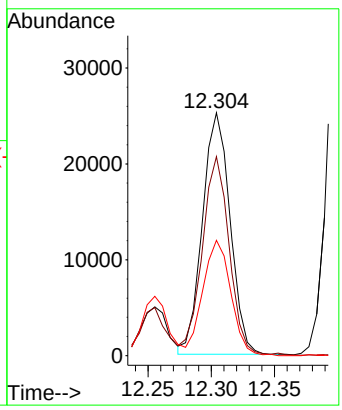
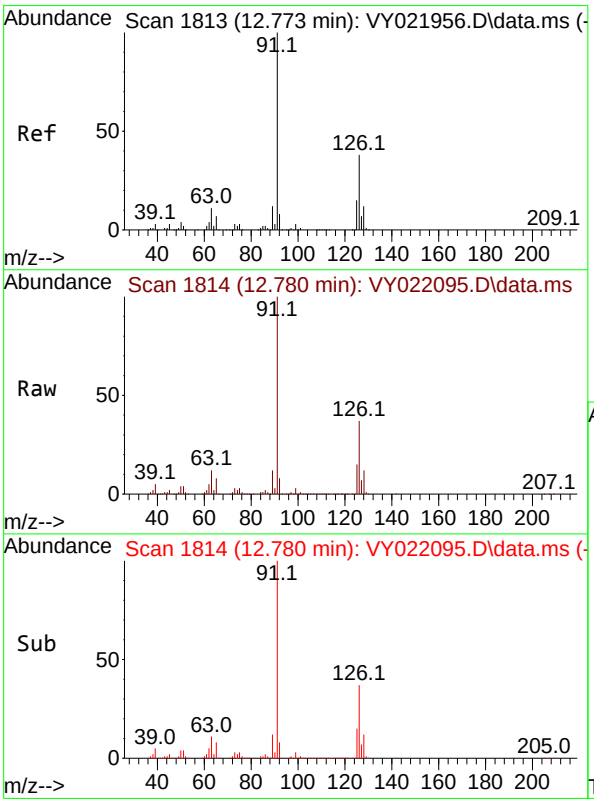
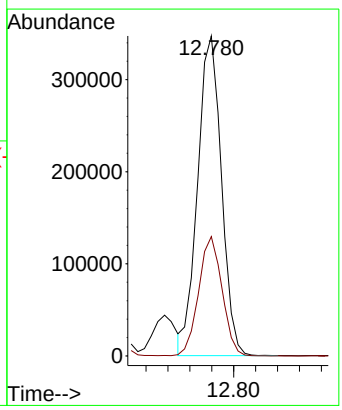


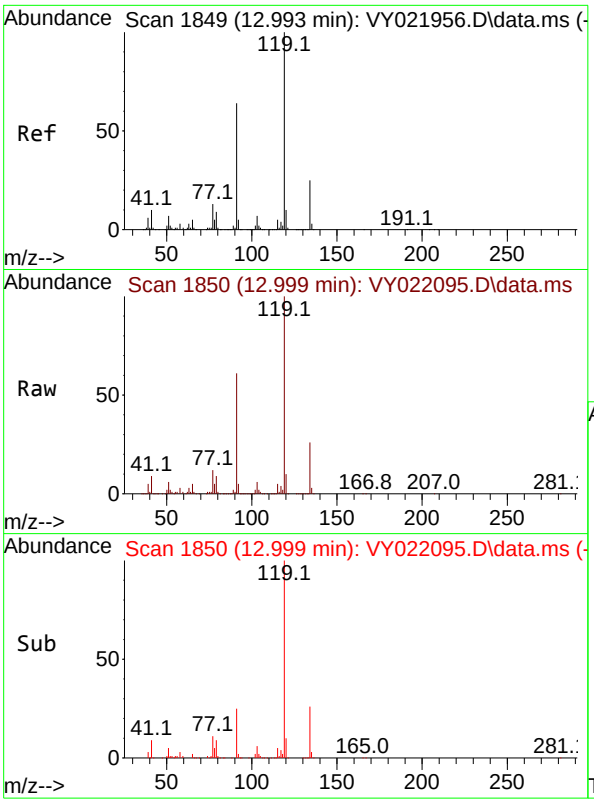


#82
4-Chlorotoluene
Concen: 47.904 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 91 Resp: 523473

Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.9	53.8

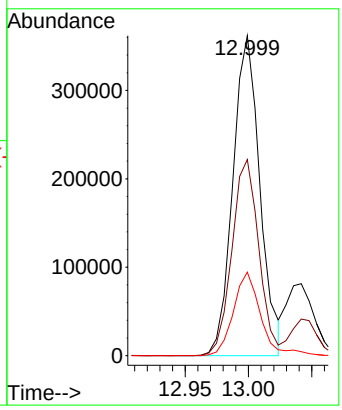




#83
tert-Butylbenzene
Concen: 48.054 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:119 Resp: 53898

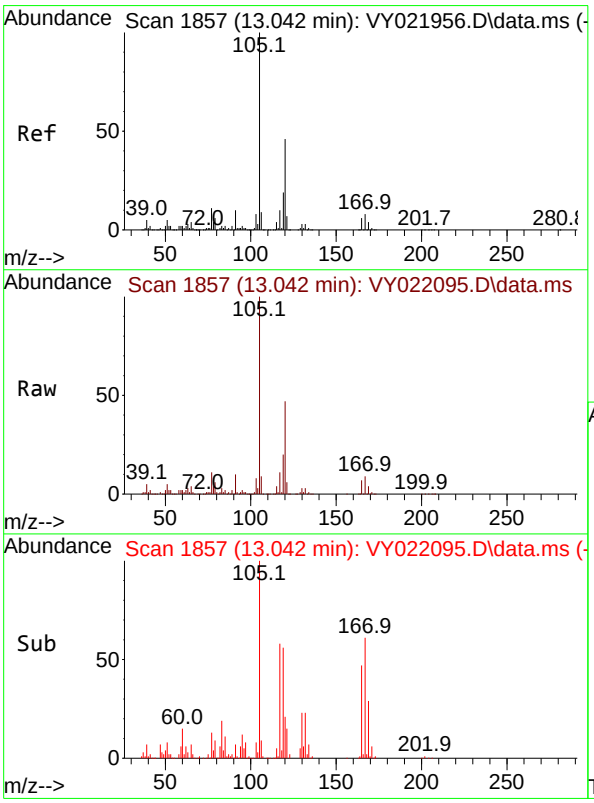
Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.3	90.9
134	26.4	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

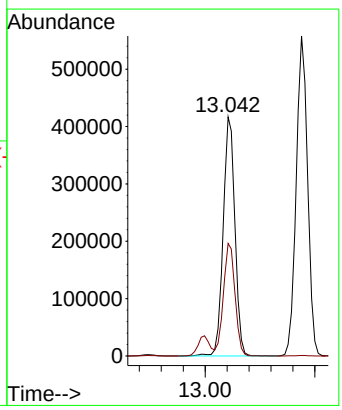
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

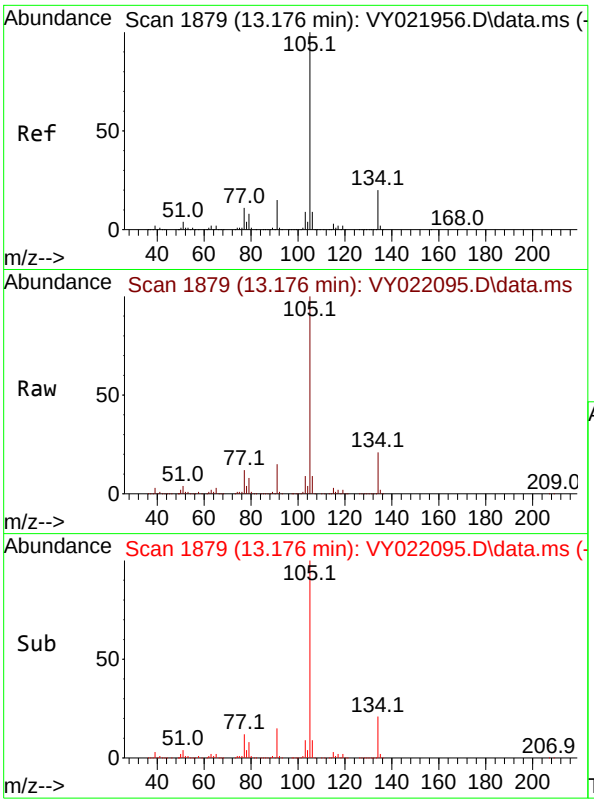


#84
1,2,4-Trimethylbenzene
Concen: 49.714 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:105 Resp: 621868

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0

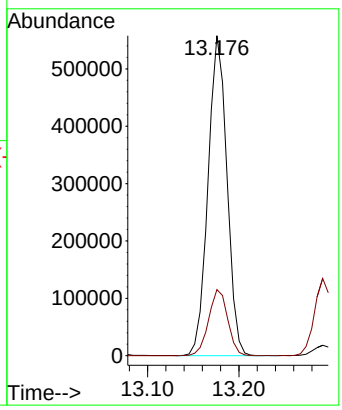




#85
sec-Butylbenzene
Concen: 48.777 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:105 Resp: 80054

Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/05/2025
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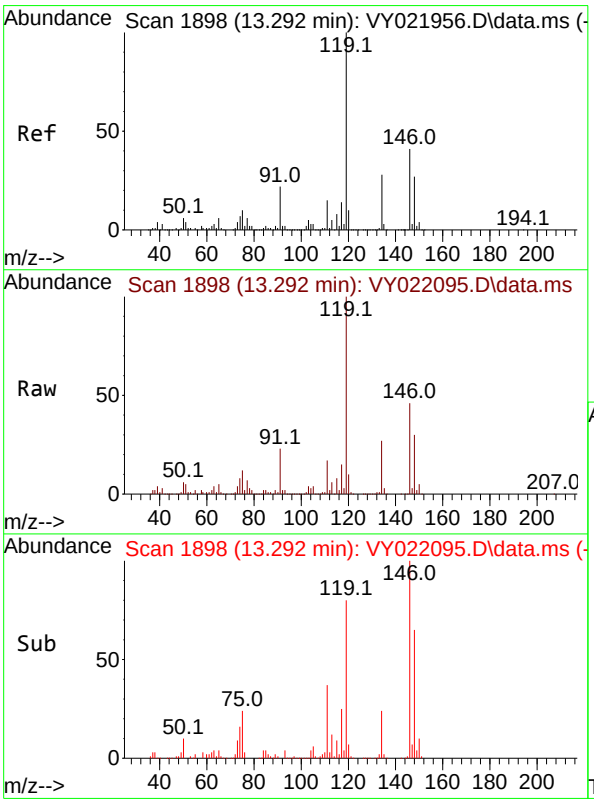
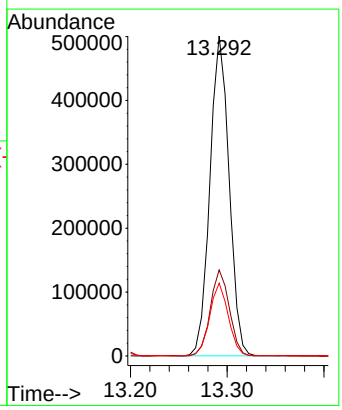
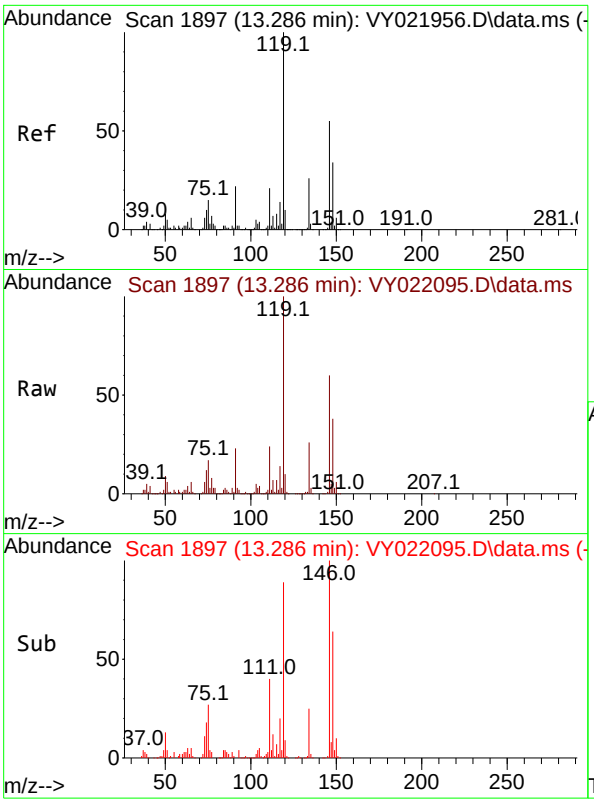


#86
p-Isopropyltoluene
Concen: 49.477 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:119 Resp: 689548

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.6	40.7
91	22.1	11.0	33.0





#87
1,3-Dichlorobenzene
Concen: 47.649 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:146 Resp: 37116

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	64.1	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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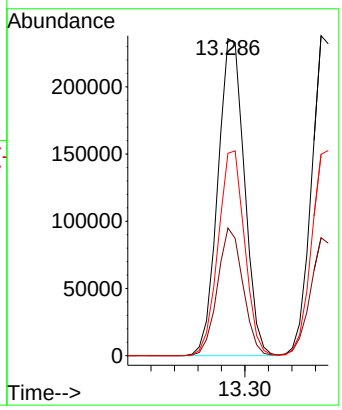
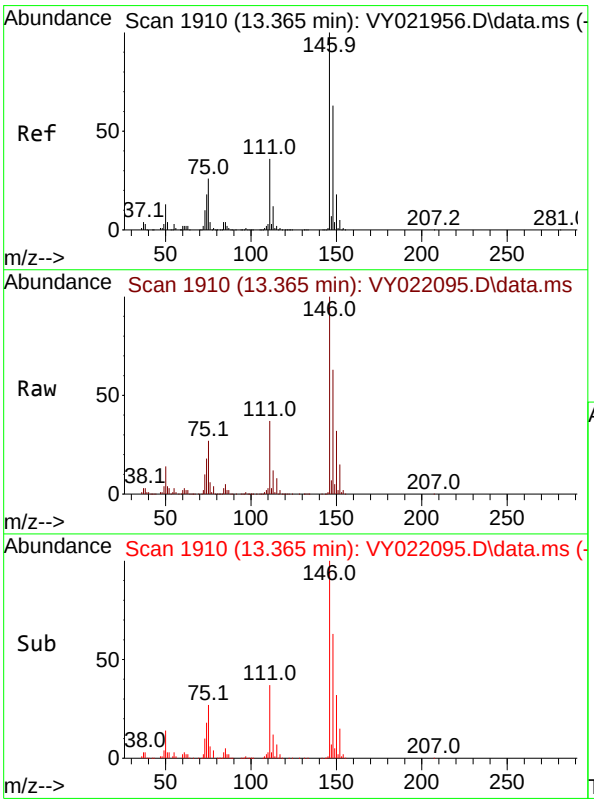
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

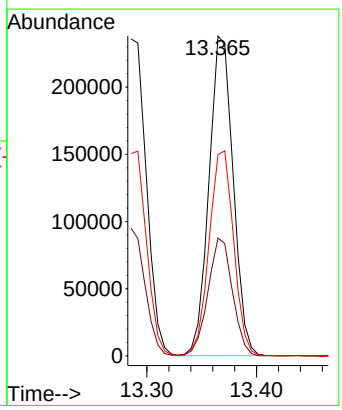


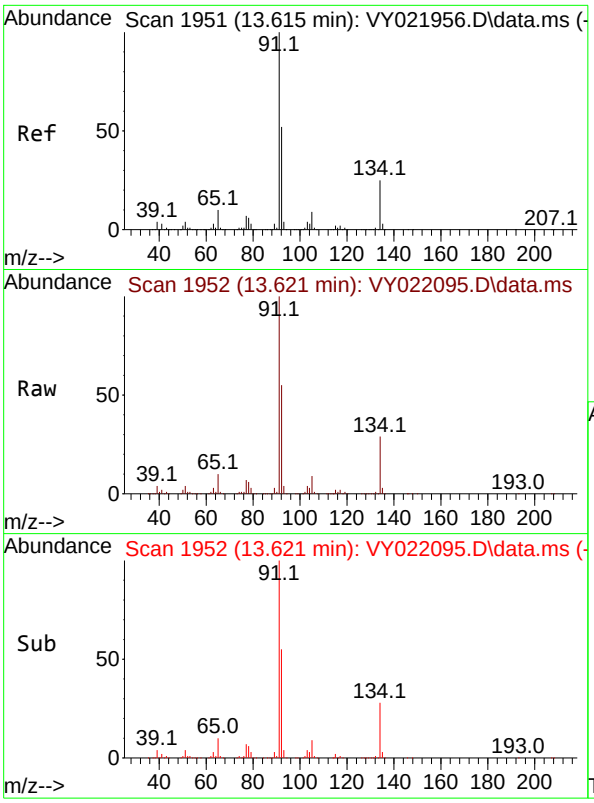


#88
1,4-Dichlorobenzene
Concen: 47.301 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:146 Resp: 364925

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.2	57.6
148	65.3	32.0	96.0

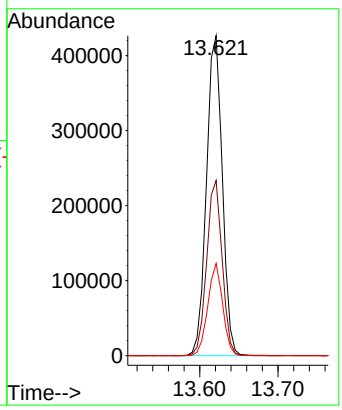




#89
n-Butylbenzene
Concen: 47.980 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 91 Resp: 59769

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.5
134	27.1	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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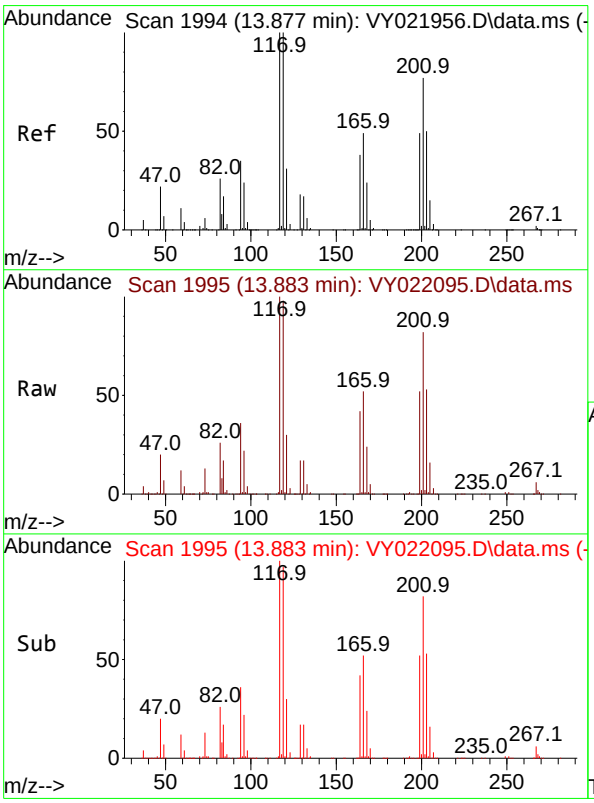
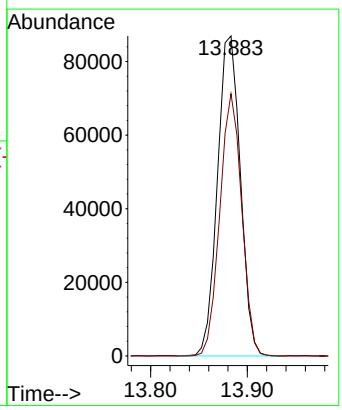
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

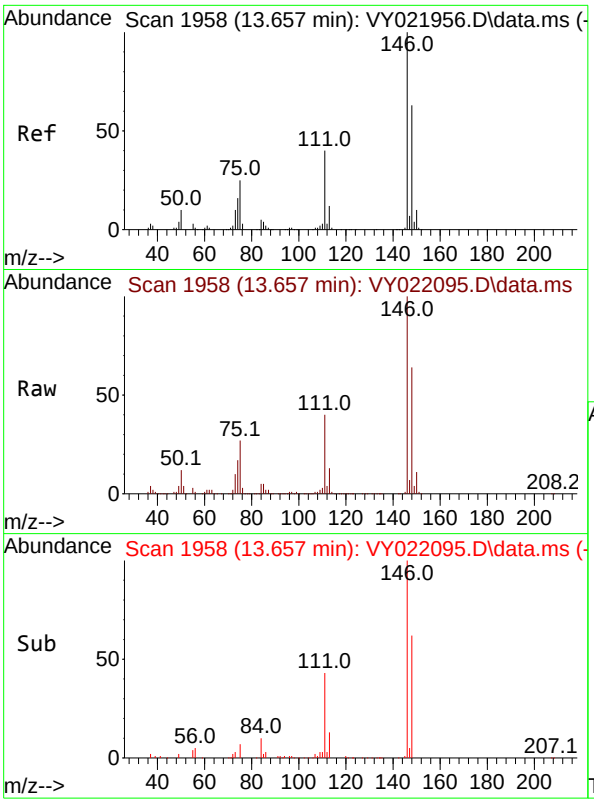


#90
Hexachloroethane
Concen: 46.615 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:117 Resp: 142735

Ion	Ratio	Lower	Upper
117	100		
201	78.4	38.7	116.1

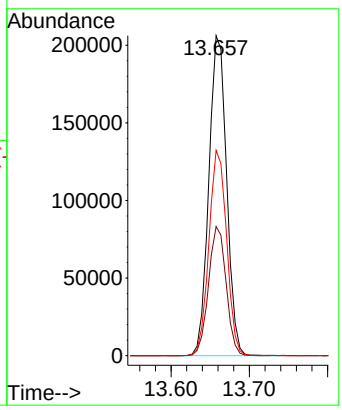




#91
1,2-Dichlorobenzene
Concen: 47.720 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:146 Resp: 32421

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	64.2	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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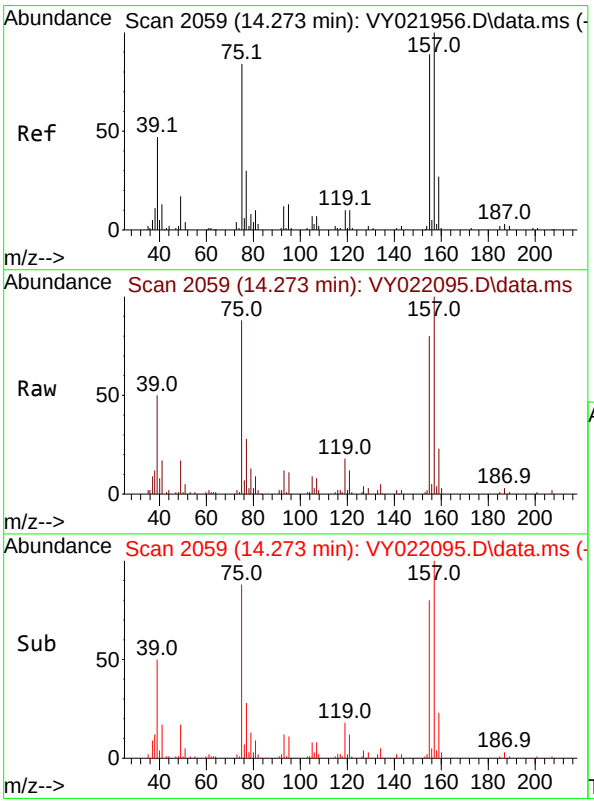
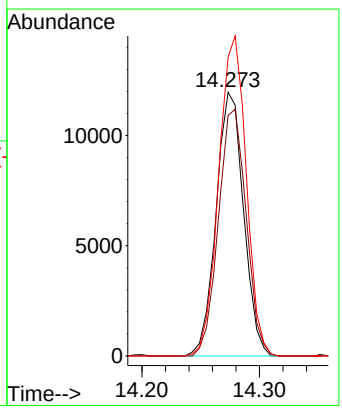
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

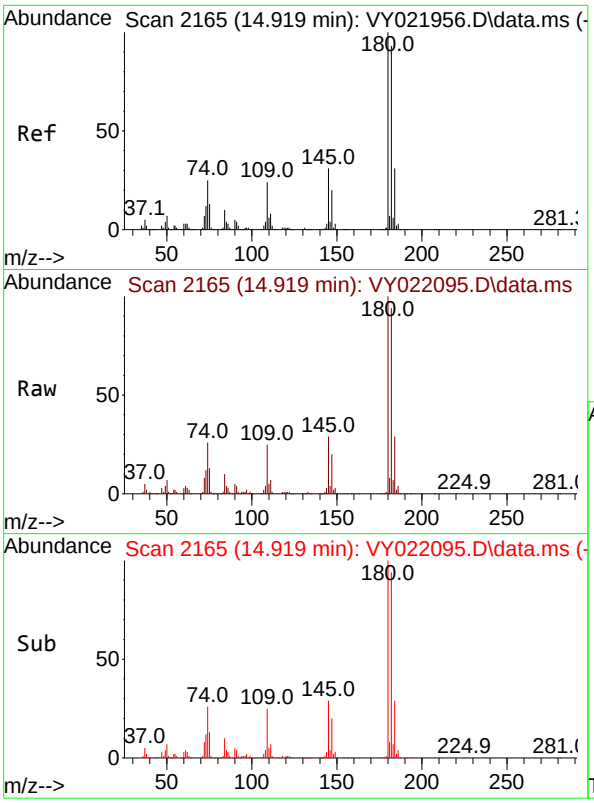


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.643 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 19397

Ion	Ratio	Lower	Upper
75	100		
155	94.8	50.7	152.3
157	121.5	62.6	187.8

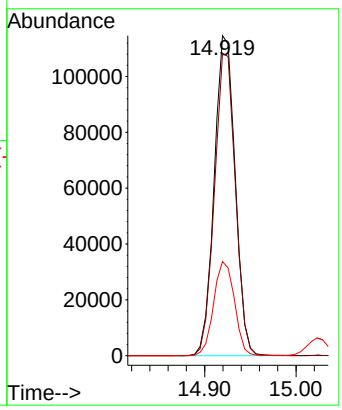




#93
1,2,4-Trichlorobenzene
Concen: 47.340 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:180 Resp: 18226

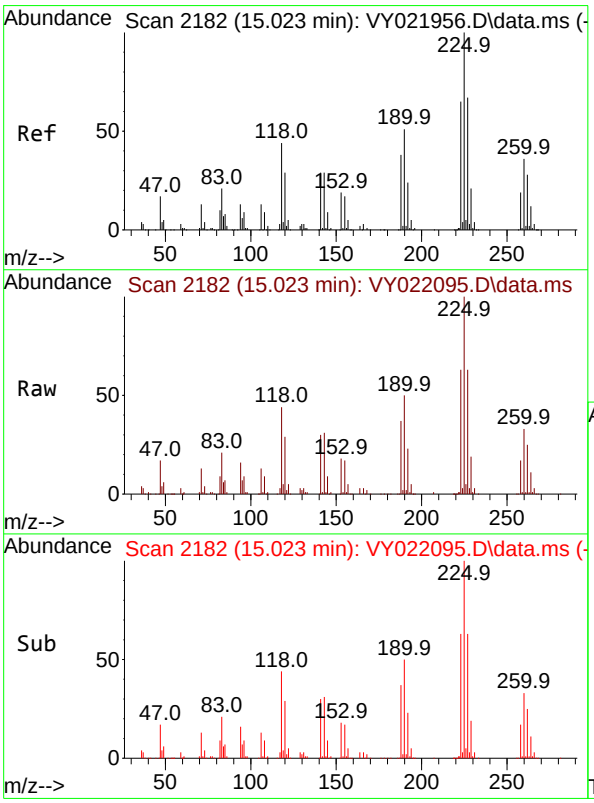
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.4
145	29.3	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

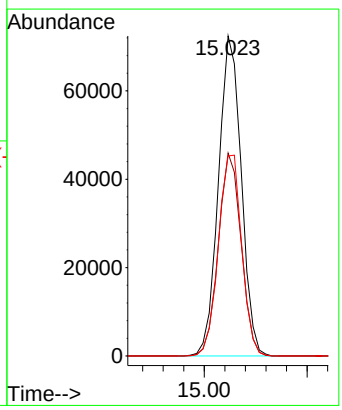
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

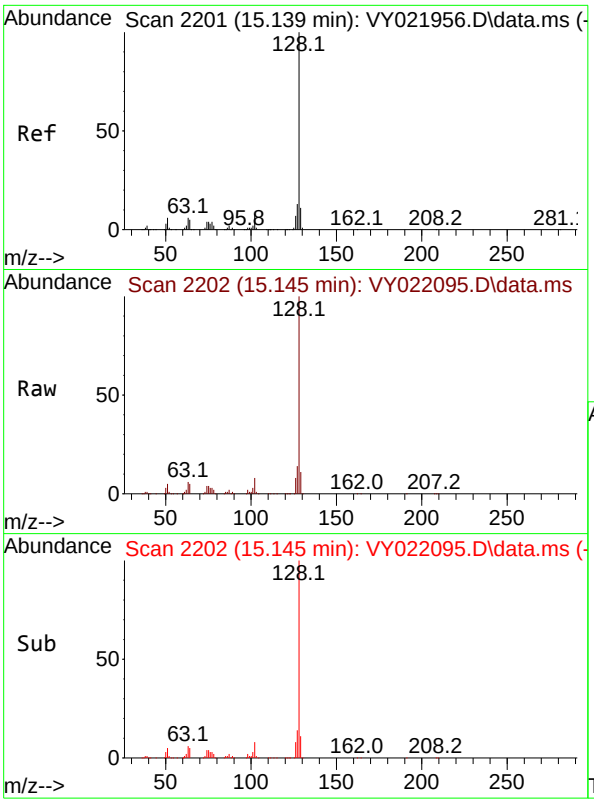


#94
Hexachlorobutadiene
Concen: 47.066 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:225 Resp: 111490

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	64.2	32.3	96.9

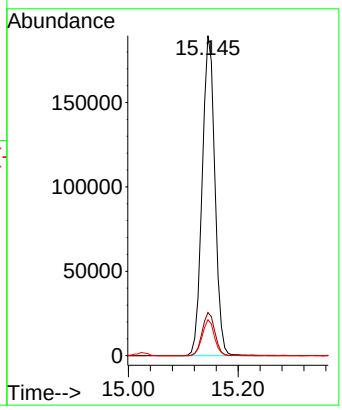




#95
Naphthalene
Concen: 47.598 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:128 Resp: 30442

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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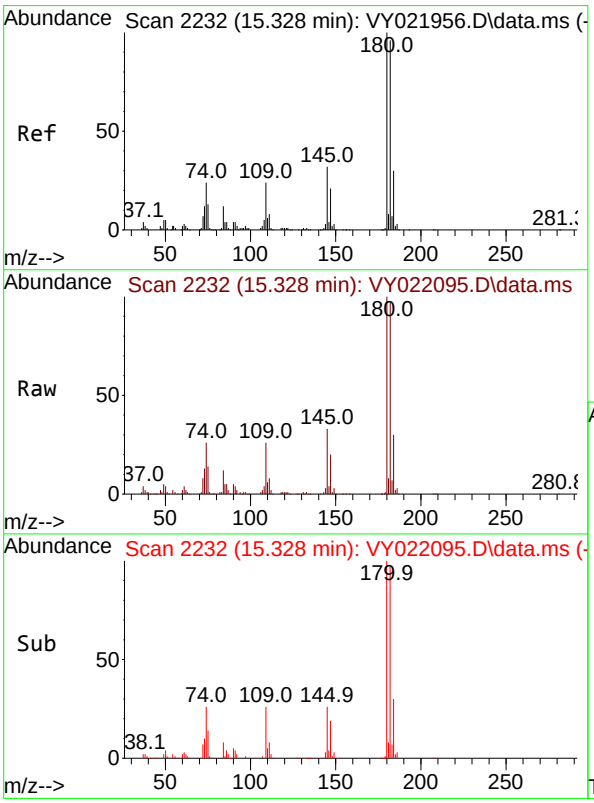
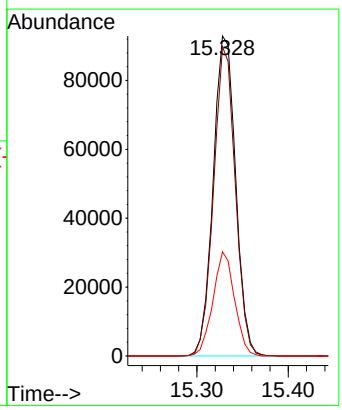


#96
1,2,3-Trichlorobenzene
Concen: 47.678 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:180 Resp: 158454

Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.1	144.4
145	31.4	16.0	48.0



Sample Results: **VY022095.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
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 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.426	0.359	15.7	85	0.00
3	P	Chloromethane	0.607	0.542	10.7	84	0.00
4	C	Vinyl Chloride	0.745	0.677	9.1#	87	0.00
5	T	Bromomethane	0.642	0.511	20.4	80	0.00
6	T	Chloroethane	0.508	0.454	10.6	86	0.00
7	T	Trichlorofluoromethane	0.983	0.891	9.4	87	0.00
8	T	Diethyl Ether	0.256	0.219	14.5	83	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.484	9.2	92	0.00
10	T	Methyl Iodide	0.617	0.554	10.2	82	0.00
11	T	Tert butyl alcohol	0.025	0.024	4.0	87	0.00
12	CM	1,1-Dichloroethene	0.497	0.441	11.3#	87	0.00
13	T	Acrolein	0.046	0.031	32.6#	68	0.00
14	T	Allyl chloride	0.579	0.498	14.0	84	0.00
15	T	Acrylonitrile	0.094	0.088	6.4	88	0.00
16	T	Acetone	0.070	0.062	11.4	92	0.00
17	T	Carbon Disulfide	1.585	1.372	13.4	86	0.00
18	T	Methyl Acetate	0.216	0.226	-4.6	95	0.00
19	T	Methyl tert-butyl Ether	1.113	1.031	7.4	85	0.00
20	T	Methylene Chloride	0.584	0.488	16.4	85	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.508	8.8	89	0.01
22	T	Diisopropyl ether	1.288	1.195	7.2	86	0.00
23	T	Vinyl Acetate	0.694	0.648	6.6	84	0.00
24	P	1,1-Dichloroethane	0.893	0.788	11.8	86	0.00
25	T	2-Butanone	0.105	0.100	4.8	88	0.00
26	T	2,2-Dichloropropane	0.782	0.721	7.8	91	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.570	8.4	87	0.00
28	T	Bromochloromethane	0.347	0.340	2.0	92	0.00
29	T	Tetrahydrofuran	0.068	0.067	1.5	86	0.00
30	C	Chloroform	0.990	0.919	7.2#	90	0.00
31	T	Cyclohexane	0.763	0.665	12.8	88	0.00
32	T	1,1,1-Trichloroethane	0.896	0.816	8.9	89	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.431	6.7	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.330	0.335	-1.5	88	0.00
36	T	1,1-Dichloropropene	0.444	0.431	2.9	88	0.00
37	T	Ethyl Acetate	0.159	0.163	-2.5	88	0.00
38	T	Carbon Tetrachloride	0.530	0.528	0.4	90	0.00
39	T	Methylcyclohexane	0.558	0.550	1.4	87	0.00
40	TM	Benzene	1.387	1.370	1.2	89	0.00
41	T	Methacrylonitrile	0.087	0.079	9.2	74	0.00
42	TM	1,2-Dichloroethane	0.343	0.348	-1.5	90	0.00
43	T	Isopropyl Acetate	0.306	0.302	1.3	84	0.00
44	TM	Trichloroethene	0.384	0.385	-0.3	91	0.00
45	C	1,2-Dichloropropane	0.307	0.304	1.0#	88	0.00
46	T	Dibromomethane	0.192	0.196	-2.1	91	0.00
47	T	Bromodichloromethane	0.480	0.484	-0.8	89	0.00
48	T	Methyl methacrylate	0.141	0.149	-5.7	86	0.00

Sample Results: **VY022095.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
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 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	96	0.00
50	S	Toluene-d8	1.245	1.270	-2.0	86	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.176	-10.0	89	0.00
52	CM	Toluene	0.898	0.925	-3.0#	90	0.00
53	T	t-1,3-Dichloropropene	0.411	0.416	-1.2	86	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.484	1.0	87	0.00
55	T	1,1,2-Trichloroethane	0.256	0.267	-4.3	91	0.00
56	T	Ethyl methacrylate	0.293	0.307	-4.8	84	0.00
57	T	1,3-Dichloropropane	0.411	0.421	-2.4	89	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.162	-13.3	88	0.00
59	T	2-Hexanone	0.106	0.118	-11.3	89	0.00
60	T	Dibromochloromethane	0.355	0.371	-4.5	91	0.00
61	T	1,2-Dibromoethane	0.242	0.251	-3.7	90	0.00
62	S	4-Bromofluorobenzene	0.419	0.427	-1.9	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.472	0.481	-1.9	95	0.00
65	PM	Chlorobenzene	1.118	1.078	3.6	89	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.391	0.8	90	0.00
67	C	Ethyl Benzene	1.829	1.811	1.0#	88	0.00
68	T	m/p-Xylenes	0.728	0.745	-2.3	91	0.00
69	T	o-Xylene	0.671	0.676	-0.7	88	0.00
70	T	Styrene	1.126	1.172	-4.1	90	0.00
71	P	Bromoform	0.229	0.238	-3.9	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.341	3.204	4.1	89	0.00
74	T	N-amyl acetate	0.574	0.532	7.3	83	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.530	5.9	89	0.00
76	T	1,2,3-Trichloropropane	0.428	0.424	0.9	97	0.00
77	T	Bromobenzene	0.844	0.819	3.0	91	0.00
78	T	n-propylbenzene	3.978	3.849	3.2	89	0.00
79	T	2-Chlorotoluene	2.314	2.194	5.2	89	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.700	1.9	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.168	5.6	88	0.00
82	T	4-Chlorotoluene	2.405	2.304	4.2	89	0.00
83	T	tert-Butylbenzene	2.468	2.372	3.9	88	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.737	0.6	91	0.00
85	T	sec-Butylbenzene	3.612	3.524	2.4	90	0.00
86	T	p-Isopropyltoluene	3.067	3.035	1.0	91	0.00
87	T	1,3-Dichlorobenzene	1.714	1.634	4.7	92	0.00
88	T	1,4-Dichlorobenzene	1.698	1.606	5.4	92	0.00
89	T	n-Butylbenzene	2.742	2.631	4.0	89	0.00
90	T	Hexachloroethane	0.674	0.628	6.8	91	0.00
91	T	1,2-Dichlorobenzene	1.495	1.427	4.5	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.085	5.6	94	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.802	5.3	90	0.00
94	T	Hexachlorobutadiene	0.521	0.491	5.8	95	0.00
95	T	Naphthalene	1.408	1.340	4.8	86	0.00

Sample Results: **VY022095.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
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 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.697	4.7	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022095.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
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 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	42.149	15.7	85	0.00
3	P	Chloromethane	50.000	44.656	10.7	84	0.00
4	C	Vinyl Chloride	50.000	45.411	9.2#	87	0.00
5	T	Bromomethane	50.000	39.803	20.4	80	0.00
6	T	Chloroethane	50.000	44.717	10.6	86	0.00
7	T	Trichlorofluoromethane	50.000	45.309	9.4	87	0.00
8	T	Diethyl Ether	50.000	42.745	14.5	83	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.342	9.3	92	0.00
10	T	Methyl Iodide	50.000	44.860	10.3	82	0.00
11	T	Tert butyl alcohol	250.000	239.412	4.2	87	0.00
12	CM	1,1-Dichloroethene	50.000	44.312	11.4#	87	0.00
13	T	Acrolein	250.000	170.015	32.0#	68	0.00
14	T	Allyl chloride	50.000	43.012	14.0	84	0.00
15	T	Acrylonitrile	250.000	234.690	6.1	88	0.00
16	T	Acetone	250.000	258.562	-3.4	92	0.00
17	T	Carbon Disulfide	50.000	43.277	13.4	86	0.00
18	T	Methyl Acetate	50.000	52.440	-4.9	95	0.00
19	T	Methyl tert-butyl Ether	50.000	46.339	7.3	85	0.00
20	T	Methylene Chloride	50.000	41.790	16.4	85	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.652	8.7	89	0.01
22	T	Diisopropyl ether	50.000	46.406	7.2	86	0.00
23	T	Vinyl Acetate	250.000	233.397	6.6	84	0.00
24	P	1,1-Dichloroethane	50.000	44.117	11.8	86	0.00
25	T	2-Butanone	250.000	237.416	5.0	88	0.00
26	T	2,2-Dichloropropane	50.000	46.061	7.9	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.794	8.4	87	0.00
28	T	Bromochloromethane	50.000	49.056	1.9	92	0.00
29	T	Tetrahydrofuran	250.000	245.385	1.8	86	0.00
30	C	Chloroform	50.000	46.403	7.2#	90	0.00
31	T	Cyclohexane	50.000	43.571	12.9	88	0.00
32	T	1,1,1-Trichloroethane	50.000	45.518	9.0	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.711	6.6	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	50.745	-1.5	88	0.00
36	T	1,1-Dichloropropene	50.000	48.590	2.8	88	0.00
37	T	Ethyl Acetate	50.000	51.230	-2.5	88	0.00
38	T	Carbon Tetrachloride	50.000	49.824	0.4	90	0.00
39	T	Methylcyclohexane	50.000	49.231	1.5	87	0.00
40	TM	Benzene	50.000	49.378	1.2	89	0.00
41	T	Methacrylonitrile	50.000	45.180	9.6	74	0.00
42	TM	1,2-Dichloroethane	50.000	50.652	-1.3	90	0.00
43	T	Isopropyl Acetate	50.000	49.331	1.3	84	0.00
44	TM	Trichloroethene	50.000	50.105	-0.2	91	0.00
45	C	1,2-Dichloropropane	50.000	49.528	0.9#	88	0.00
46	T	Dibromomethane	50.000	51.032	-2.1	91	0.00
47	T	Bromodichloromethane	50.000	50.411	-0.8	89	0.00
48	T	Methyl methacrylate	50.000	52.563	-5.1	86	0.00

Sample Results: **VY022095.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
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 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	1098.297	-9.8	96	0.00
50	S	Toluene-d8	50.000	50.988	-2.0	86	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.117	-9.6	89	0.00
52	CM	Toluene	50.000	51.517	-3.0#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	50.528	-1.1	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.447	1.1	87	0.00
55	T	1,1,2-Trichloroethane	50.000	52.135	-4.3	91	0.00
56	T	Ethyl methacrylate	50.000	52.343	-4.7	84	0.00
57	T	1,3-Dichloropropane	50.000	51.135	-2.3	89	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	282.693	-13.1	88	0.00
59	T	2-Hexanone	250.000	278.311	-11.3	89	0.00
60	T	Dibromochloromethane	50.000	52.183	-4.4	91	0.00
61	T	1,2-Dibromoethane	50.000	51.771	-3.5	90	0.00
62	S	4-Bromofluorobenzene	50.000	50.971	-1.9	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	51.010	-2.0	95	0.00
65	PM	Chlorobenzene	50.000	48.212	3.6	89	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.657	0.7	90	0.00
67	C	Ethyl Benzene	50.000	49.517	1.0#	88	0.00
68	T	m/p-Xylenes	100.000	102.352	-2.4	91	0.00
69	T	o-Xylene	50.000	50.386	-0.8	88	0.00
70	T	Styrene	50.000	52.004	-4.0	90	0.00
71	P	Bromoform	50.000	51.974	-3.9	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	47.953	4.1	89	0.00
74	T	N-amyl acetate	50.000	46.314	7.4	83	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.078	5.8	89	0.00
76	T	1,2,3-Trichloropropane	50.000	49.479	1.0	97	0.00
77	T	Bromobenzene	50.000	48.538	2.9	91	0.00
78	T	n-propylbenzene	50.000	48.382	3.2	89	0.00
79	T	2-Chlorotoluene	50.000	47.417	5.2	89	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.051	1.9	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.296	5.4	88	0.00
82	T	4-Chlorotoluene	50.000	47.904	4.2	89	0.00
83	T	tert-Butylbenzene	50.000	48.054	3.9	88	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.714	0.6	91	0.00
85	T	sec-Butylbenzene	50.000	48.777	2.4	90	0.00
86	T	p-Isopropyltoluene	50.000	49.477	1.0	91	0.00
87	T	1,3-Dichlorobenzene	50.000	47.649	4.7	92	0.00
88	T	1,4-Dichlorobenzene	50.000	47.301	5.4	92	0.00
89	T	n-Butylbenzene	50.000	47.980	4.0	89	0.00
90	T	Hexachloroethane	50.000	46.615	6.8	91	0.00
91	T	1,2-Dichlorobenzene	50.000	47.720	4.6	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.643	4.7	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.340	5.3	90	0.00
94	T	Hexachlorobutadiene	50.000	47.066	5.9	95	0.00
95	T	Naphthalene	50.000	47.598	4.8	86	0.00

Sample Results: **VY022095.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
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 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	47.678	4.6	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022117.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/01/2025 19:08

Lab File ID: VY022117.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.394		-7.51	50
Chloromethane	0.607	0.472	0.1	-22.24	50
Vinyl Chloride	0.745	0.569		-23.62	50
Bromomethane	0.642	0.455		-29.13	50
Chloroethane	0.508	0.380		-25.2	50
Tetrahydrofuran	0.068	0.067		-1.47	50
Trichlorofluoromethane	0.983	0.867		-11.8	50
1,1,2-Trichlorotrifluoroethane	0.533	0.494		-7.32	50
1,1-Dichloroethene	0.497	0.495		-0.4	50
Acrylonitrile	0.094	0.091		-3.19	50
Acetone	0.070	0.062		-11.43	50
Carbon Disulfide	1.585	1.414		-10.79	50
Methyl tert-butyl Ether	1.113	1.209		8.63	50
Methylene Chloride	0.584	0.534		-8.56	50
trans-1,2-Dichloroethene	0.557	0.535		-3.95	50
1,1-Dichloroethane	0.893	0.849	0.1	-4.93	50
2-Butanone	0.105	0.100		-4.76	50
Carbon Tetrachloride	0.530	0.514		-3.02	50
2,2-Dichloropropane	0.782	0.692		-11.51	50
cis-1,2-Dichloroethene	0.622	0.621		-0.16	50
Chloroform	0.990	0.948		-4.24	50
1,1,1-Trichloroethane	0.896	0.855		-4.58	50
1,1-Dichloropropene	0.444	0.410		-7.66	50
Benzene	1.387	1.329		-4.18	50
1,2-Dichloroethane	0.343	0.331		-3.5	50
Trichloroethene	0.384	0.382		-0.52	50
1,2-Dichloropropane	0.307	0.287		-6.51	50
Dibromomethane	0.192	0.186		-3.13	50
Bromodichloromethane	0.480	0.471		-1.88	50
4-Methyl-2-Pentanone	0.160	0.161		0.63	50
Toluene	0.898	0.877		-2.34	50
t-1,3-Dichloropropene	0.411	0.401		-2.43	50
cis-1,3-Dichloropropene	0.489	0.470		-3.88	50
1,1,2-Trichloroethane	0.256	0.253		-1.17	50
1,3-Dichloropropane	0.411	0.399		-2.92	50
2-Hexanone	0.106	0.108		1.89	50
Dibromochloromethane	0.355	0.354		-0.28	50
1,2-Dibromoethane	0.242	0.247		2.07	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022117.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/01/2025 19:08

Lab File ID: VY022117.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.480		1.7	50
Chlorobenzene	1.118	1.110	0.3	-0.72	50
1,1,1,2-Tetrachloroethane	0.394	0.403		2.28	50
Ethyl Benzene	1.829	1.922		5.09	50
m/p-Xylenes	0.728	0.805		10.58	50
o-Xylene	0.671	0.781		16.39	50
Styrene	1.126	1.177		4.53	50
Bromoform	0.229	0.249	0.1	8.73	50
Isopropylbenzene	3.341	3.561		6.59	50
1,1,2,2-Tetrachloroethane	0.563	0.556	0.3	-1.24	50
1,2,3-Trichloropropane	0.428	0.402		-6.07	50
Bromobenzene	0.844	0.924		9.48	50
n-propylbenzene	3.978	4.244		6.69	50
2-Chlorotoluene	2.314	2.485		7.39	50
1,3,5-Trimethylbenzene	2.752	3.222		17.08	50
4-Chlorotoluene	2.405	2.417		0.5	50
tert-Butylbenzene	2.469	2.687		8.83	50
1,2,4-Trimethylbenzene	2.753	4.224		53.43	50
sec-Butylbenzene	3.612	3.755		3.96	50
p-Isopropyltoluene	3.067	3.224		5.12	50
1,3-Dichlorobenzene	1.714	1.710		-0.23	50
1,4-Dichlorobenzene	1.698	1.670		-1.65	50
n-Butylbenzene	2.742	2.962		8.02	50
1,2-Dichlorobenzene	1.495	1.525		2.01	50
1,2-Dibromo-3-Chloropropane	0.090	0.095		5.56	50
1,2,4-Trichlorobenzene	0.847	0.956		12.87	50
Hexachlorobutadiene	0.521	0.561		7.68	50
1,2,3-Trichlorobenzene	0.731	0.853		16.69	50
1,2-Dichloroethane-d4	0.462	0.424		-8.23	50
Dibromofluoromethane	0.330	0.326		-1.21	50
Toluene-d8	1.245	1.182		-5.06	50
4-Bromofluorobenzene	0.419	0.417		-0.48	50
trans-1,4-Dichloro-2-butene	0.178	0.172		-3.37	50

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\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	521492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	787920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	699813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	359809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221116	45.904	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.800%			
35) Dibromofluoromethane	7.634	113	256764	49.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.660%			
50) Toluene-d8	10.103	98	931345	47.459	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.920%			
62) 4-Bromofluorobenzene	12.408	95	328413	49.712	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	205368	46.216	ug/l	98
3) Chloromethane	2.062	50	246211	38.913	ug/l	99
4) Vinyl Chloride	2.202	62	296536	38.138	ug/l	96
5) Bromomethane	2.592	94	237142	35.401	ug/l	97
6) Chloroethane	2.732	64	198382	37.464	ug/l	99
7) Trichlorofluoromethane	3.056	101	452303	44.115	ug/l	98
8) Diethyl Ether	3.452	74	136732	51.237	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	257501	46.298	ug/l	95
10) Methyl Iodide	4.000	142	366613	56.932	ug/l	99
11) Tert butyl alcohol	4.878	59	74045	280.001	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	258167	49.799	ug/l	99
13) Acrolein	3.653	56	71532	150.711	ug/l	96
14) Allyl chloride	4.385	41	294514	48.790	ug/l	99
15) Acrylonitrile	5.061	53	237923	243.537	ug/l	99
16) Acetone	3.872	43	161612	256.915	ug/l	96
17) Carbon Disulfide	4.104	76	737311	44.605	ug/l	98
18) Methyl Acetate	4.385	43	172304	76.576	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	630581	54.345	ug/l	98
20) Methylene Chloride	4.616	84	278578	45.737	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	279047	48.062	ug/l	99
22) Diisopropyl ether	6.018	45	659731	49.111	ug/l	97
23) Vinyl Acetate	5.964	43	1612308	222.703	ug/l	99
24) 1,1-Dichloroethane	5.915	63	442840	47.559	ug/l	97
25) 2-Butanone	6.896	43	259941	236.741	ug/l	100
26) 2,2-Dichloropropane	6.884	77	361120	44.248	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	323676	49.858	ug/l	97
28) Bromochloromethane	7.244	49	157867	43.649	ug/l	86
29) Tetrahydrofuran	7.262	42	173842	243.773	ug/l	94
30) Chloroform	7.421	83	494257	47.854	ug/l	98
31) Cyclohexane	7.701	56	338310	42.487	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	445983	47.728	ug/l	98
36) 1,1-Dichloropropene	7.835	75	323237	46.228	ug/l	98
37) Ethyl Acetate	6.988	43	118152	47.048	ug/l	97
38) Carbon Tetrachloride	7.817	117	405212	48.498	ug/l	99
39) Methylcyclohexane	9.109	83	412692	46.900	ug/l	99
40) Benzene	8.079	78	1047462	47.922	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	71615	52.167	ug/l		96
42) 1,2-Dichloroethane	8.158	62	260898	48.211	ug/l		99
43) Isopropyl Acetate	8.195	43	239777	49.718	ug/l		98
44) Trichloroethene	8.865	130	300752	49.676	ug/l		98
45) 1,2-Dichloropropane	9.140	63	226402	46.838	ug/l		100
46) Dibromomethane	9.231	93	146196	48.316	ug/l		93
47) Bromodichloromethane	9.420	83	370965	49.076	ug/l		98
48) Methyl methacrylate	9.219	41	114638	51.420	ug/l		95
49) 1,4-Dioxane	9.231	88	31705	983.083	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	636116	251.616	ug/l		99
52) Toluene	10.170	92	691233	48.855	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	315674	48.687	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	370153	48.026	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	199643	49.394	ug/l		98
56) Ethyl methacrylate	10.438	69	245334	53.079	ug/l		100
57) 1,3-Dichloropropane	10.719	76	314000	48.460	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	597172	264.249	ug/l		96
59) 2-Hexanone	10.761	43	425582	255.220	ug/l		100
60) Dibromochloromethane	10.908	129	278863	49.834	ug/l		99
61) 1,2-Dibromoethane	11.011	107	194344	50.932	ug/l		98
64) Tetrachloroethene	10.646	164	335593	50.834	ug/l		95
65) Chlorobenzene	11.438	112	777130	49.658	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	281882	51.163	ug/l		99
67) Ethyl Benzene	11.517	91	1345250	52.548	ug/l		100
68) m/p-Xylenes	11.627	106	1127340	110.666	ug/l		99
69) o-Xylene	11.956	106	546612	58.218	ug/l		100
70) Styrene	11.969	104	823742	52.252	ug/l		99
71) Bromoform	12.133	173	173918	54.295	ug/l	#	99
73) Isopropylbenzene	12.255	105	1281382	53.304	ug/l		99
74) N-amyl acetate	12.072	43	211359	51.175	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	200173	49.390	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	144676m	46.943	ug/l		
77) Bromobenzene	12.529	156	332638	54.761	ug/l		95
78) n-propylbenzene	12.597	91	1527021	53.341	ug/l		98
79) 2-Chlorotoluene	12.682	91	894301	53.716	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	1159172	58.524	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	61847	48.326	ug/l		97
82) 4-Chlorotoluene	12.773	91	869601	50.246	ug/l		99
83) tert-Butylbenzene	12.999	119	966767	54.424	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1519729	76.710	ug/l		100
85) sec-Butylbenzene	13.176	105	1351064	51.976	ug/l		98
86) p-Isopropyltoluene	13.291	119	1160013	52.554	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	615228	49.868	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	600771	49.168	ug/l		99
89) n-Butylbenzene	13.615	91	1065863	54.024	ug/l		95
90) Hexachloroethane	13.877	117	246817	50.895	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	548661	50.989	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34086	52.862	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	343857	56.392	ug/l		93
94) Hexachlorobutadiene	15.023	225	201855	53.804	ug/l		99
95) Naphthalene	15.145	128	762911	75.318	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	306850	58.297	ug/l		91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

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\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
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Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
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Instrument :
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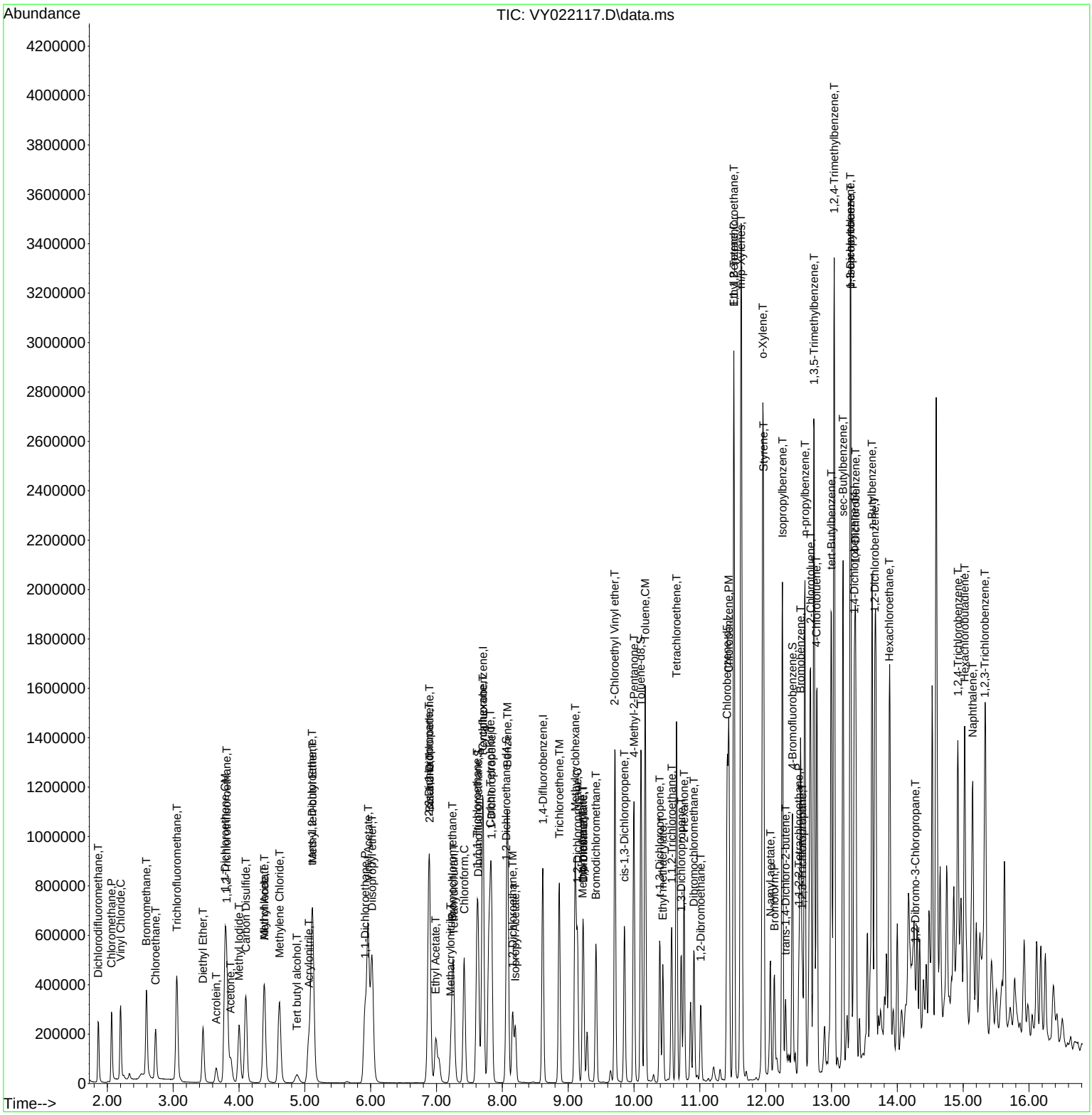
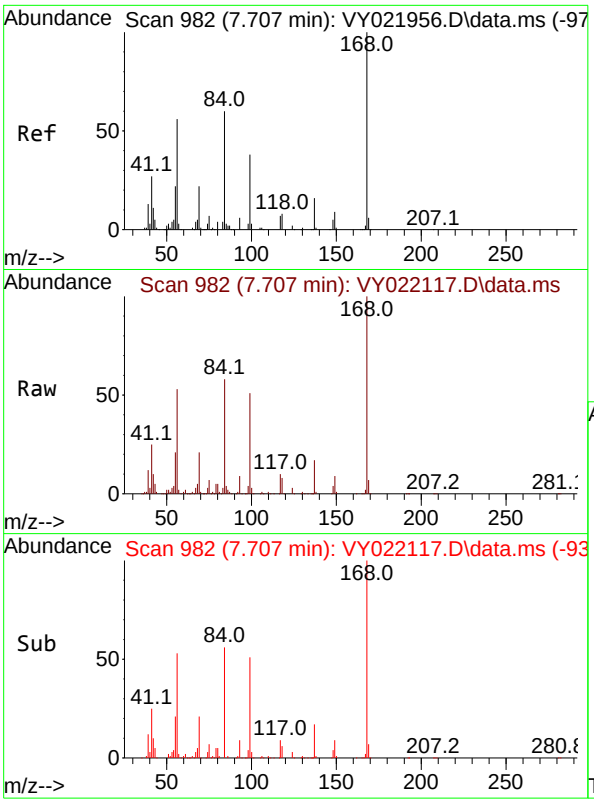
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

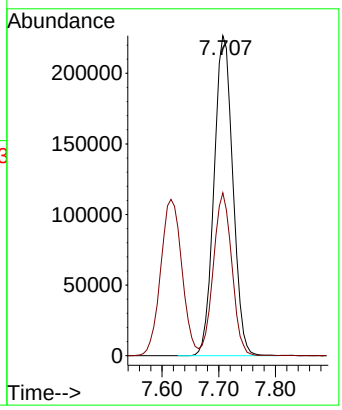




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:168 Resp: 52149

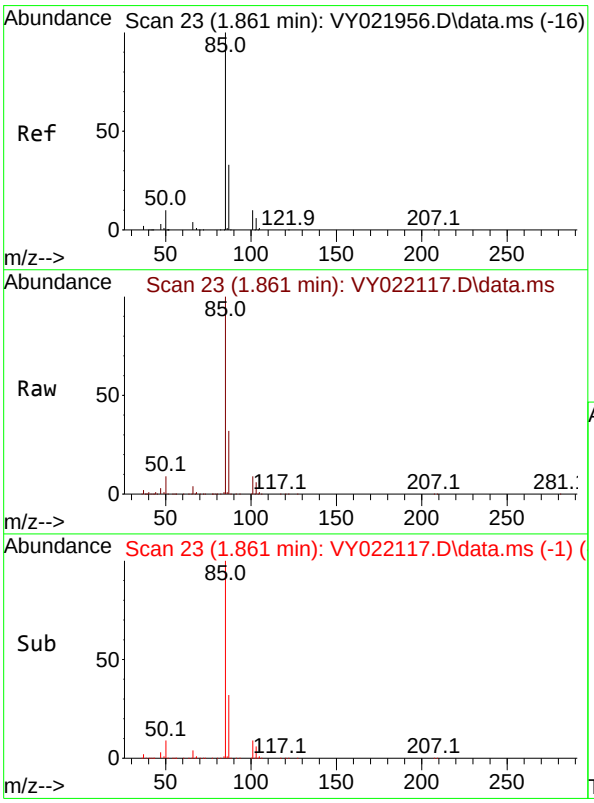
Ion	Ratio	Lower	Upper
168	100		
99	50.8	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

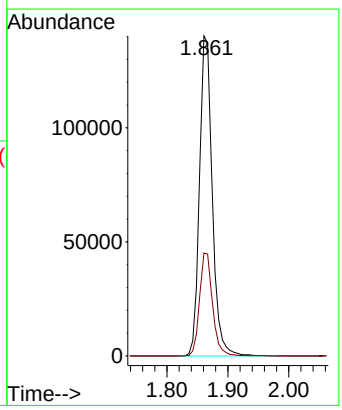
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

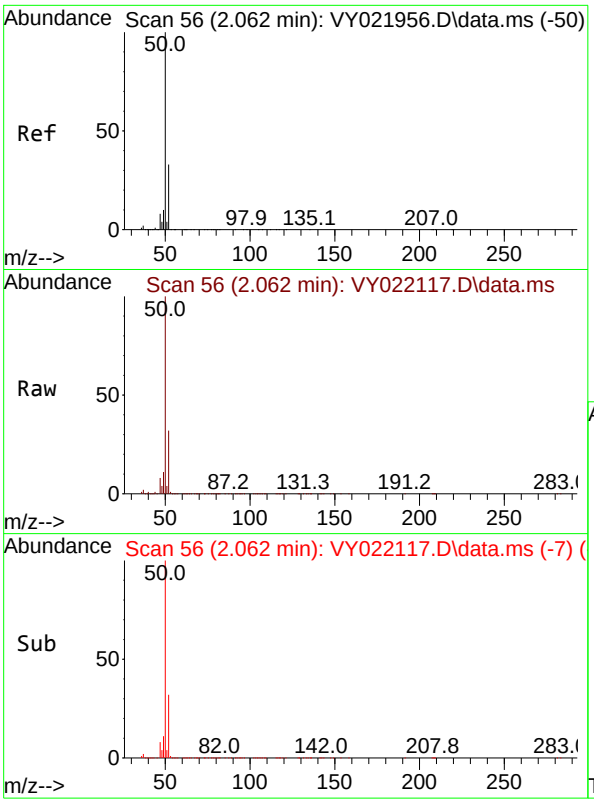


#2
Dichlorodifluoromethane
Concen: 46.216 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 85 Resp: 205368

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.6	49.7

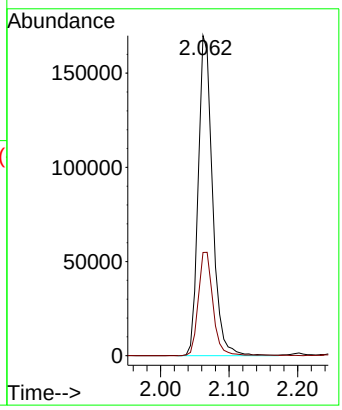




#3
Chloromethane
Concen: 38.913 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 50 Resp: 24621

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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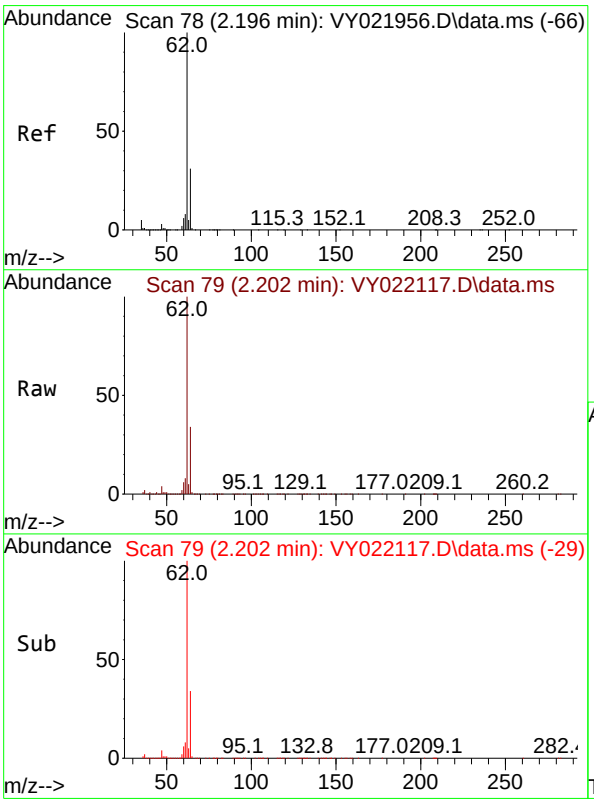
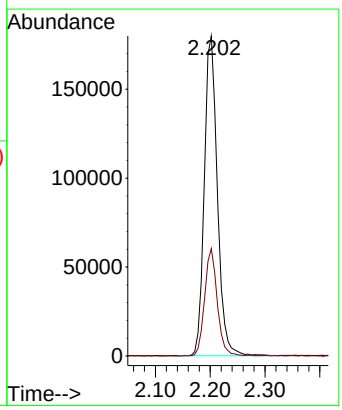
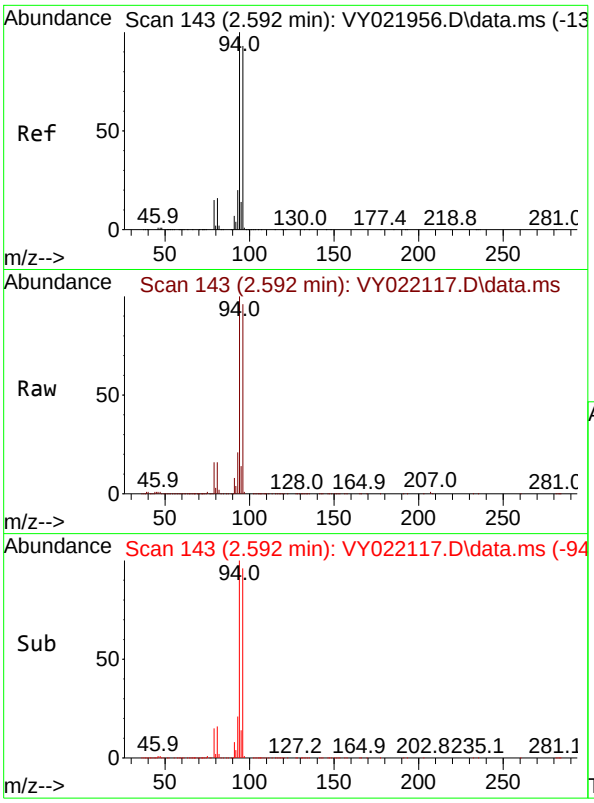


#4
Vinyl Chloride
Concen: 38.138 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 62 Resp: 296536

Ion	Ratio	Lower	Upper
62	100		
64	33.6	25.1	37.7





#5
Bromomethane
Concen: 35.401 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

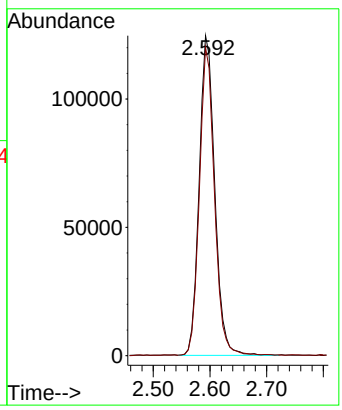
Tgt Ion: 94 Resp: 23714

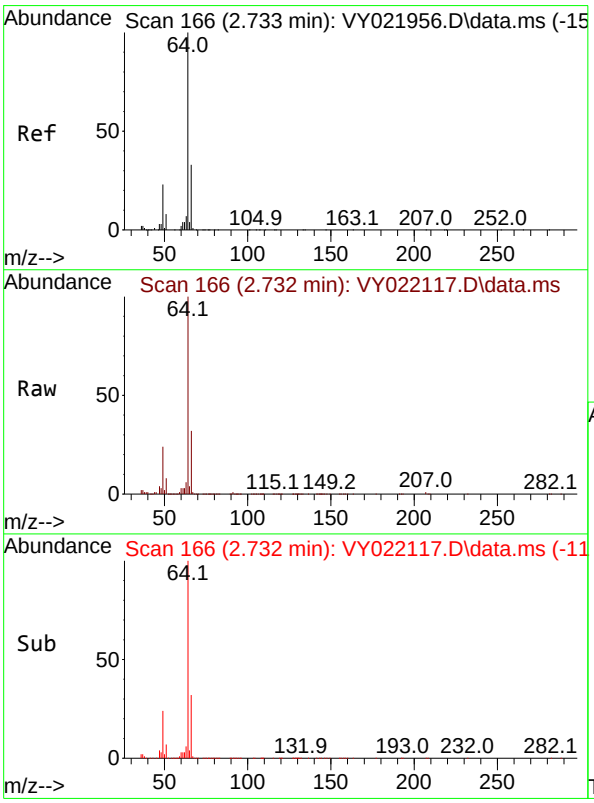
Ion	Ratio	Lower	Upper
94	100		
96	96.3	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

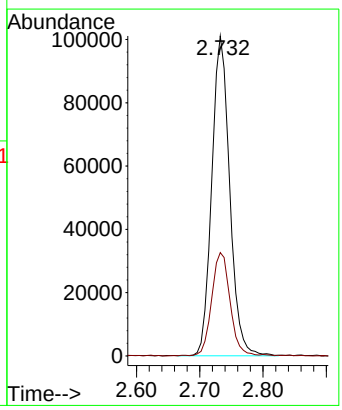


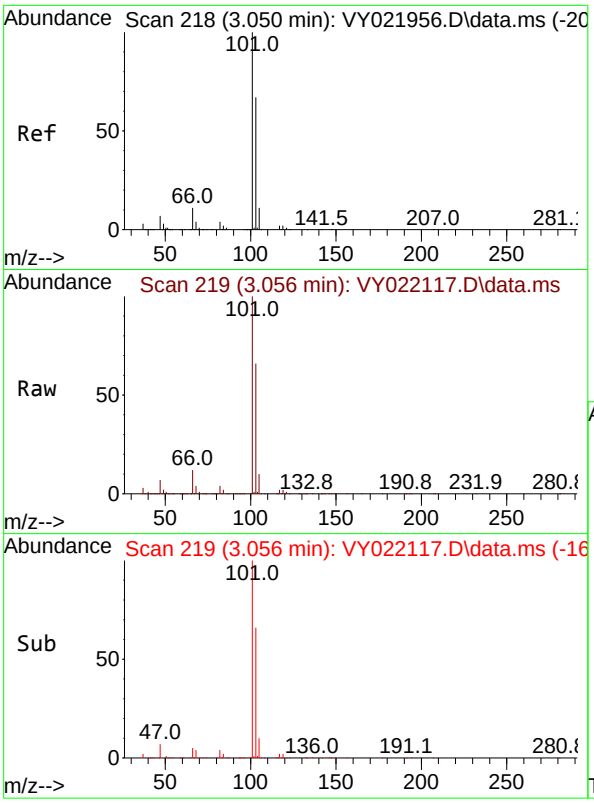


#6
Chloroethane
Concen: 37.464 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 64 Resp: 198382

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.2	39.4

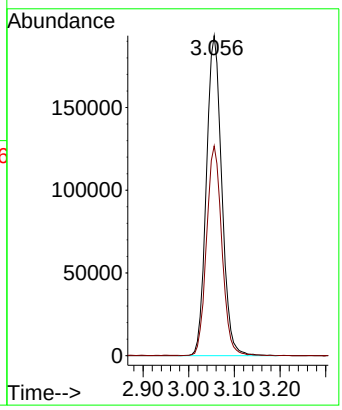




#7
Trichlorofluoromethane
Concen: 44.115 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:101 Resp: 45230

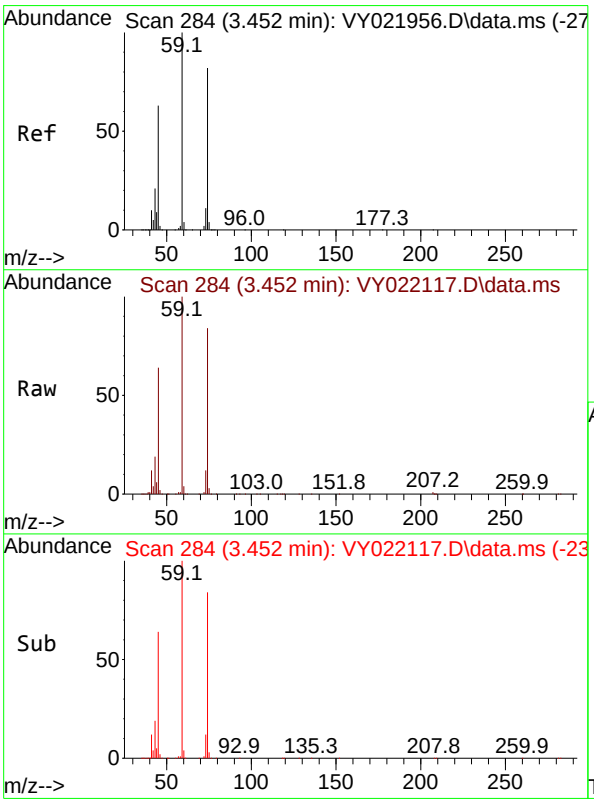
Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

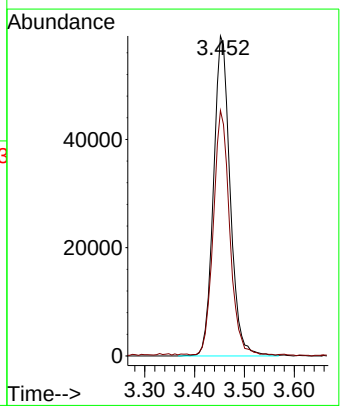
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

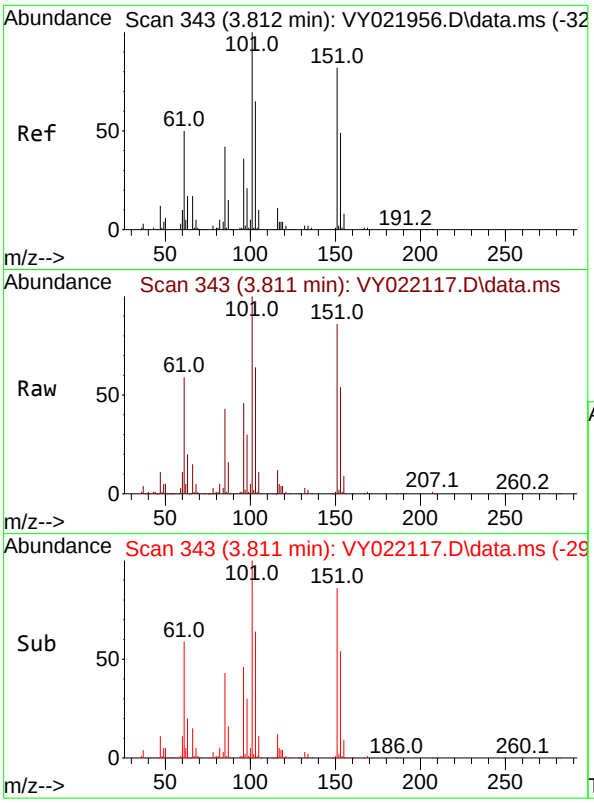


#8
Diethyl Ether
Concen: 51.237 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 74 Resp: 136732

Ion	Ratio	Lower	Upper
74	100		
45	75.3	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.298 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:101 Resp: 25750

Ion	Ratio	Lower	Upper
101	100		
85	42.4	34.6	51.8
151	85.4	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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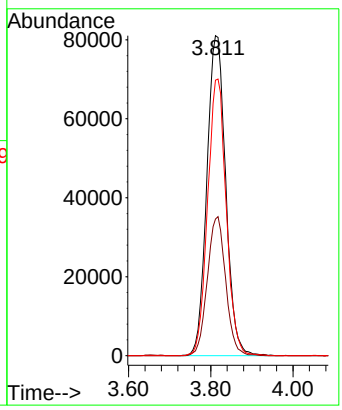
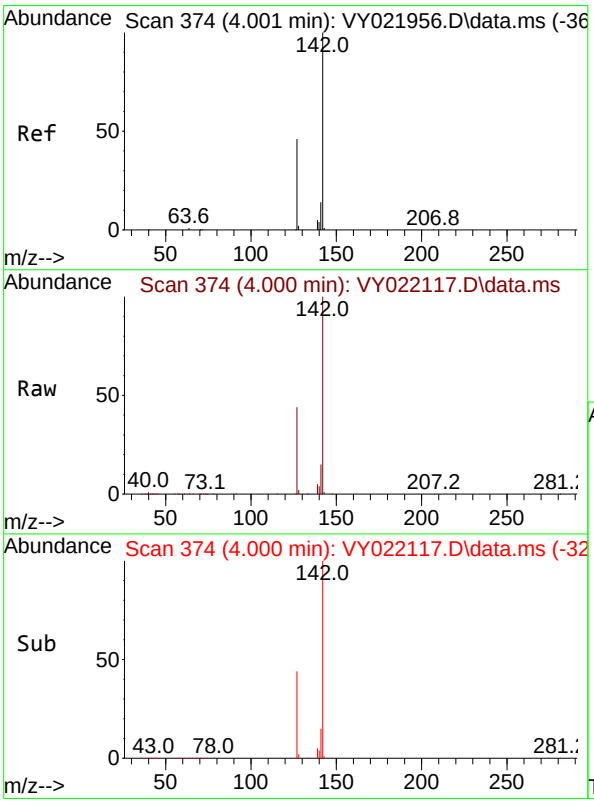
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

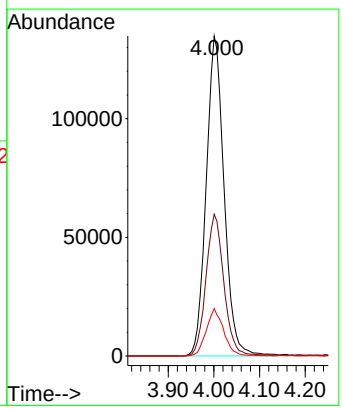


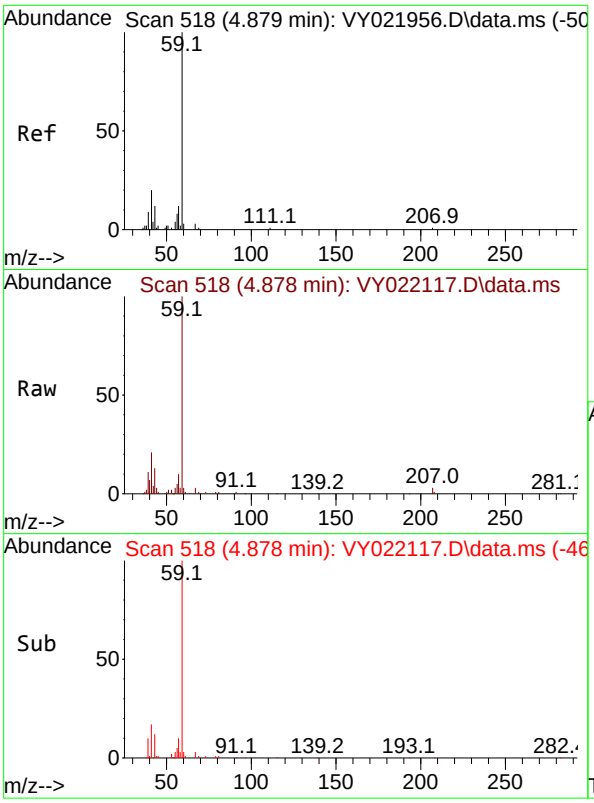


#10
Methyl Iodide
Concen: 56.932 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:142 Resp: 366613

Ion	Ratio	Lower	Upper
142	100		
127	44.5	36.2	54.2
141	14.5	11.7	17.5





#11
Tert butyl alcohol
Concen: 280.001 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 59 Resp: 7404

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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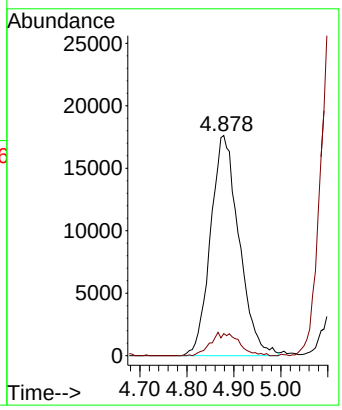
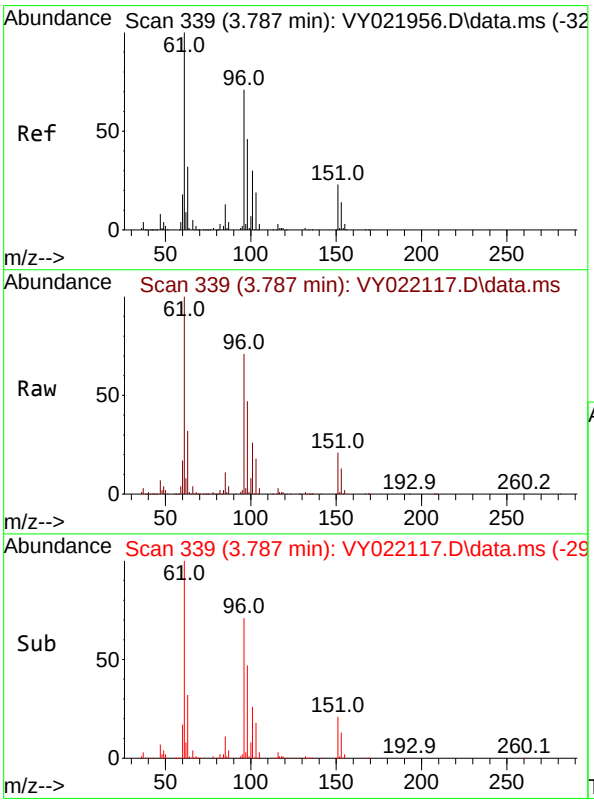
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

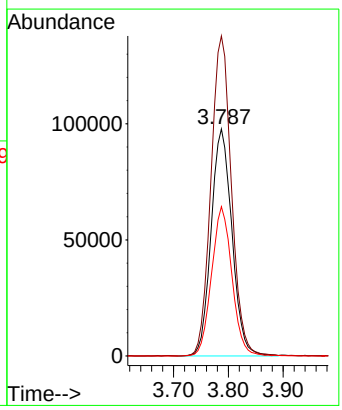


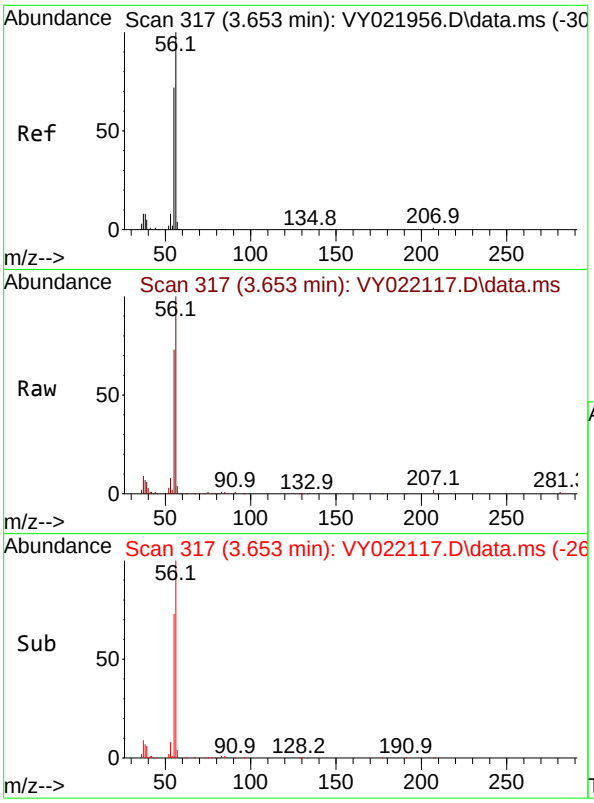


#12
1,1-Dichloroethene
Concen: 49.799 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 96 Resp: 258167

Ion	Ratio	Lower	Upper
96	100		
61	141.0	113.0	169.4
98	65.8	51.4	77.2

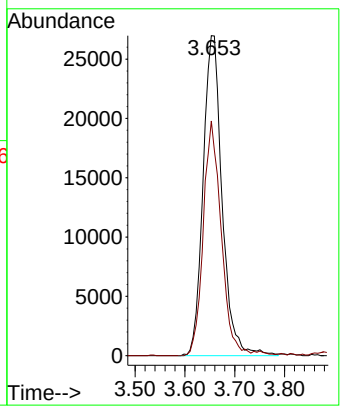




#13
Acrolein
Concen: 150.711 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 56 Resp: 7153

Ion	Ratio	Lower	Upper
56	100		
55	68.7	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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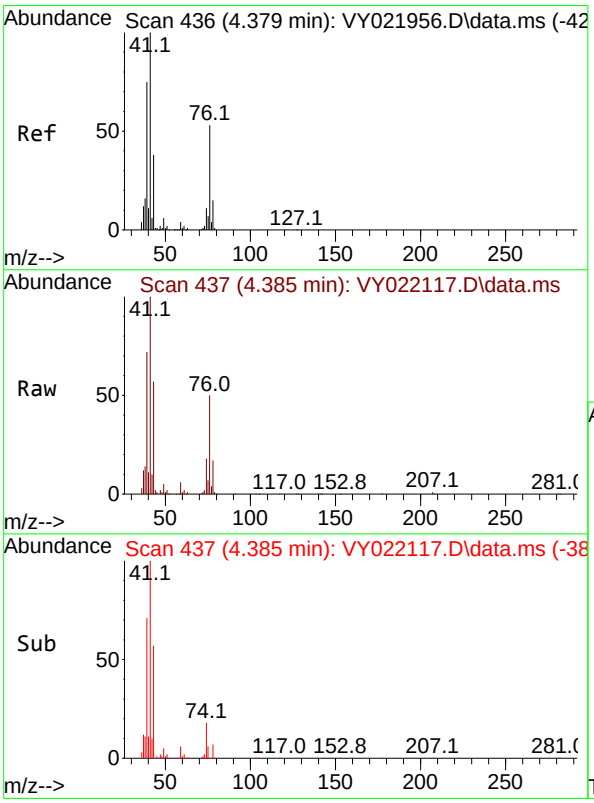
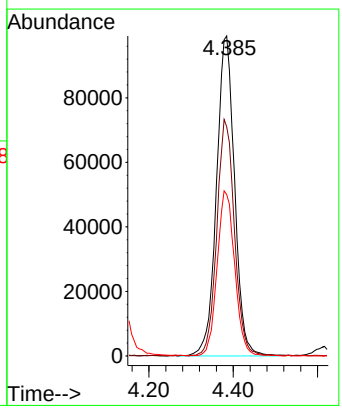
Supervised By :Mahesh Dadoda 05/05/2025

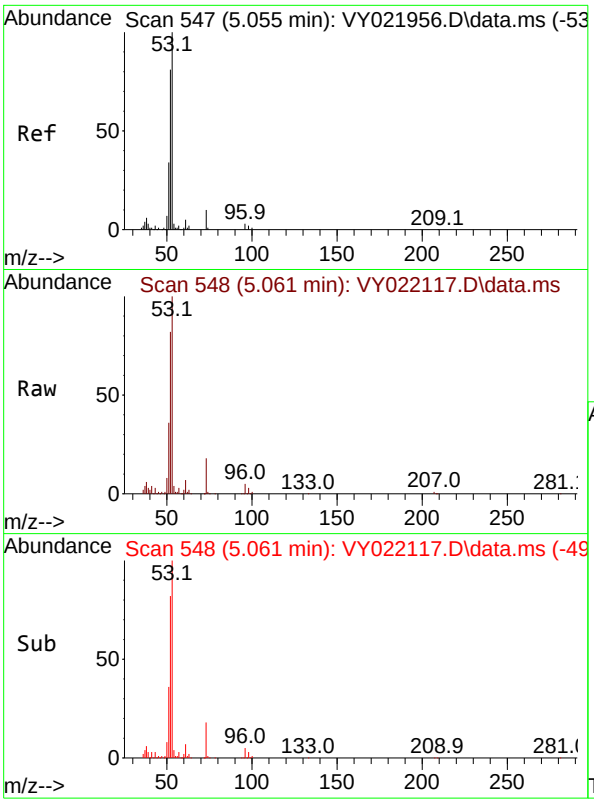


#14
Allyl chloride
Concen: 48.790 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 41 Resp: 294514

Ion	Ratio	Lower	Upper
41	100		
39	71.8	57.2	85.8
76	50.2	39.7	59.5

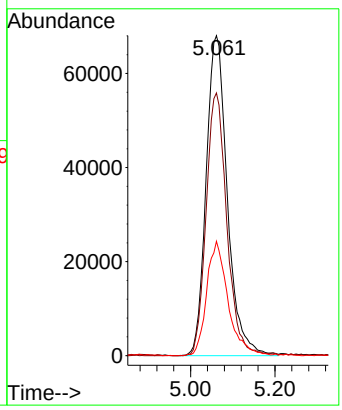




#15
Acrylonitrile
Concen: 243.537 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 53 Resp: 23792

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	36.0	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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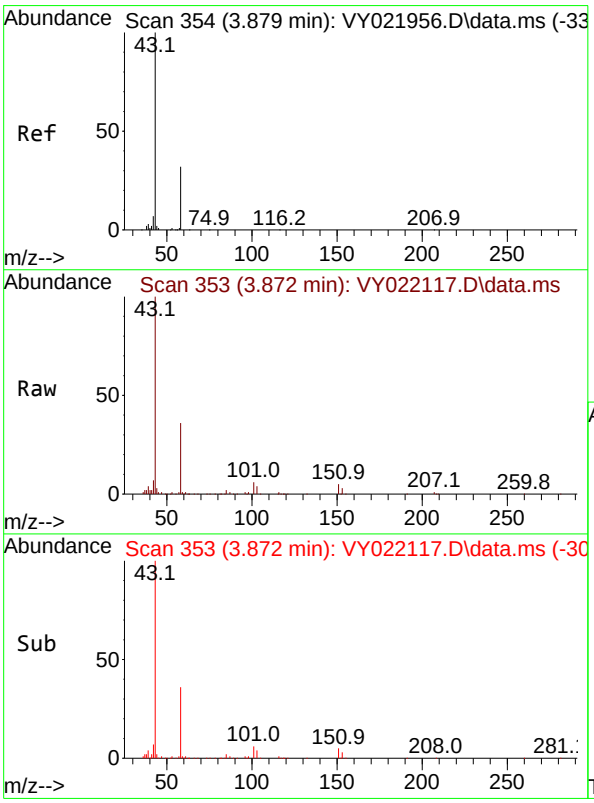
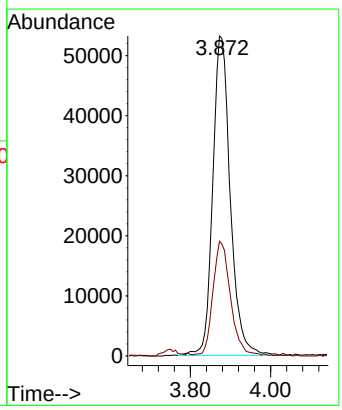
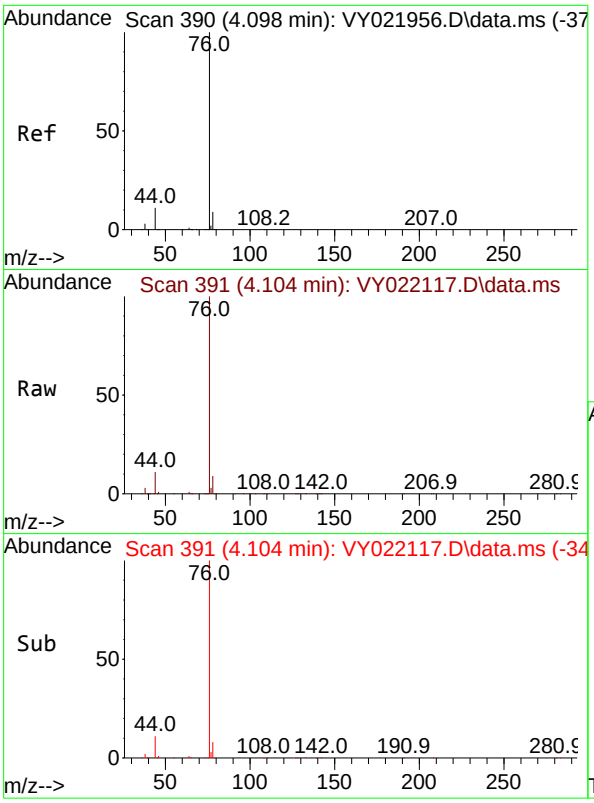


#16
Acetone
Concen: 256.915 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 161612

Ion	Ratio	Lower	Upper
43	100		
58	35.7	27.0	40.4

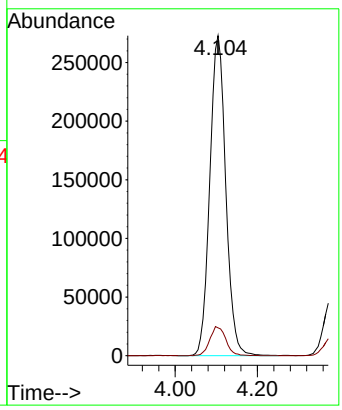




#17
Carbon Disulfide
Concen: 44.605 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 76 Resp: 73731

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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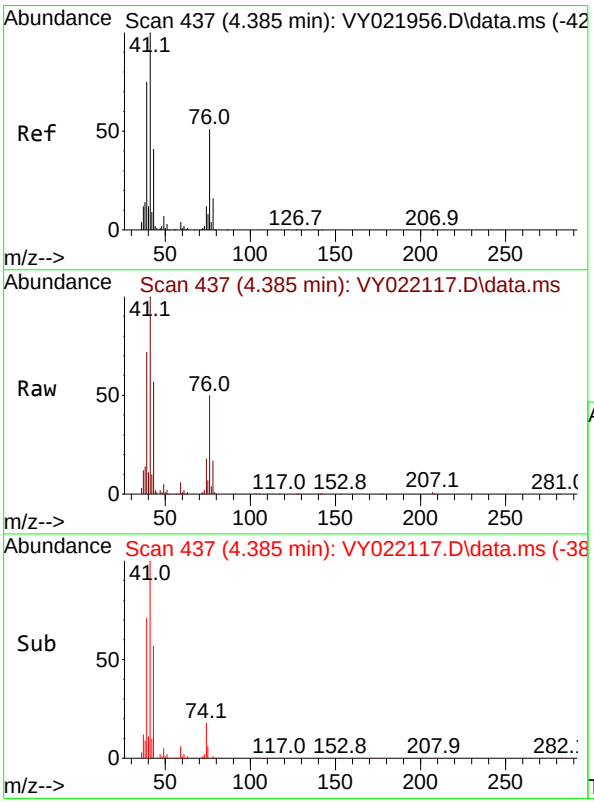
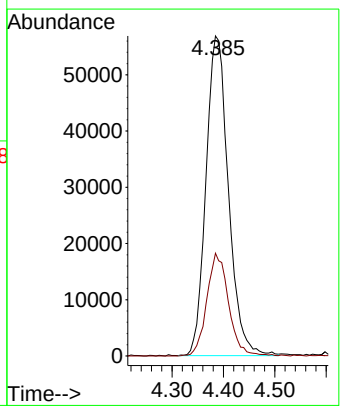
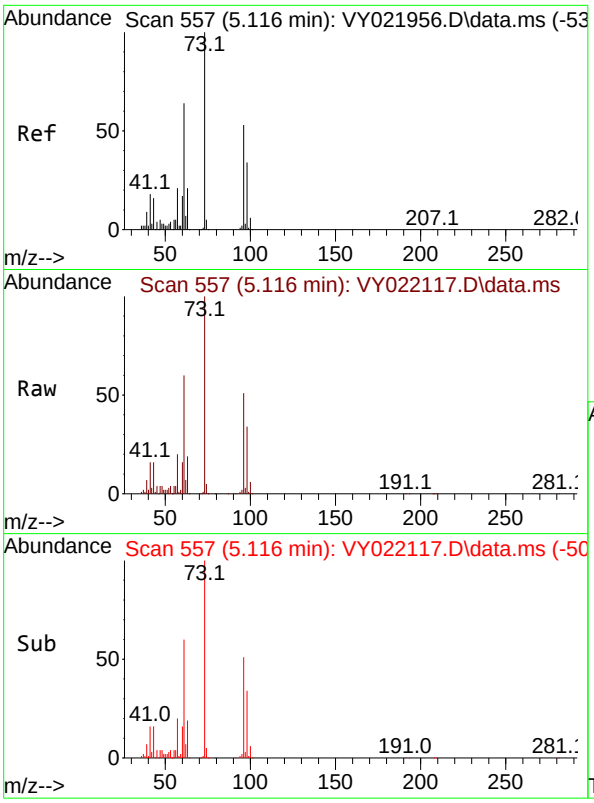


#18
Methyl Acetate
Concen: 76.576 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 172304

Ion	Ratio	Lower	Upper
43	100		
74	31.1	24.2	36.4

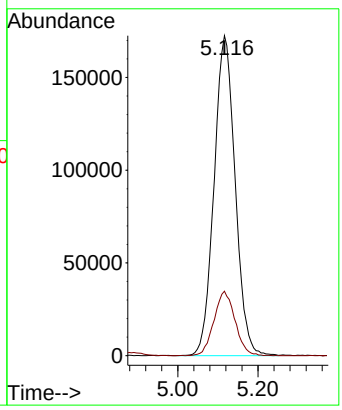




#19
Methyl tert-butyl Ether
Concen: 54.345 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 73 Resp: 63058

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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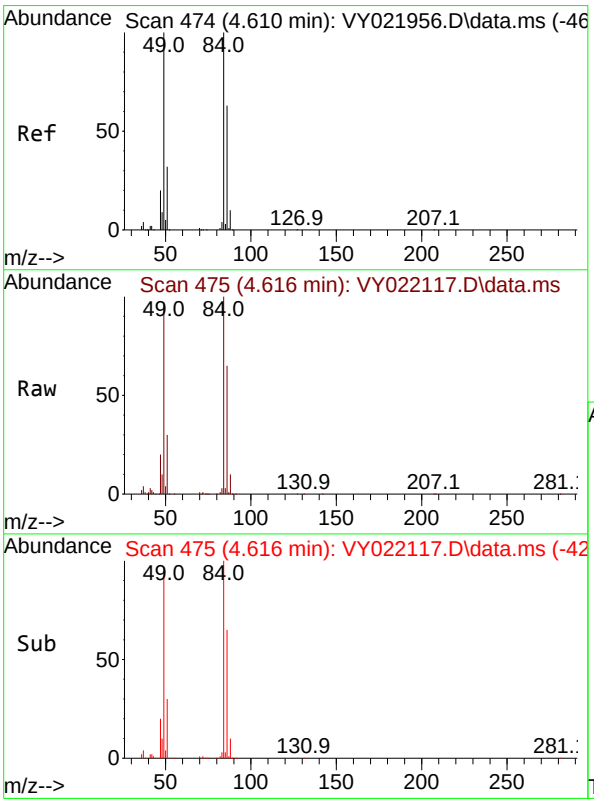
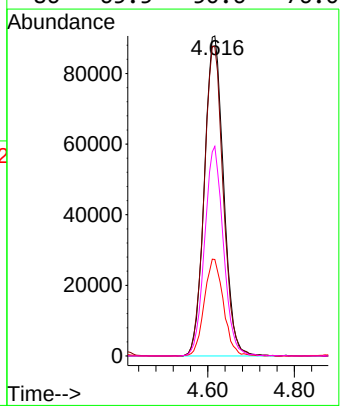
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

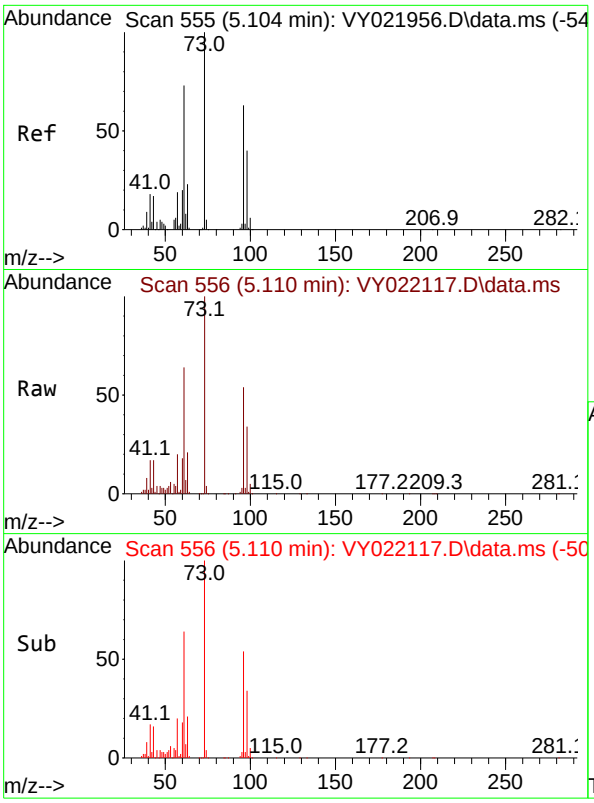


#20
Methylene Chloride
Concen: 45.737 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 84 Resp: 278578

Ion	Ratio	Lower	Upper
84	100		
49	96.6	79.9	119.9
51	30.2	25.4	38.0
86	65.5	50.6	76.0

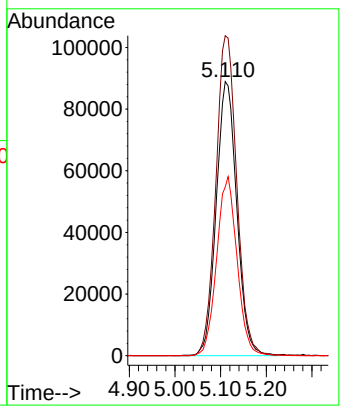




#21
trans-1,2-Dichloroethene
Concen: 48.062 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 96 Resp: 27904

Ion	Ratio	Lower	Upper
96	100		
61	116.7	92.6	138.8
98	61.6	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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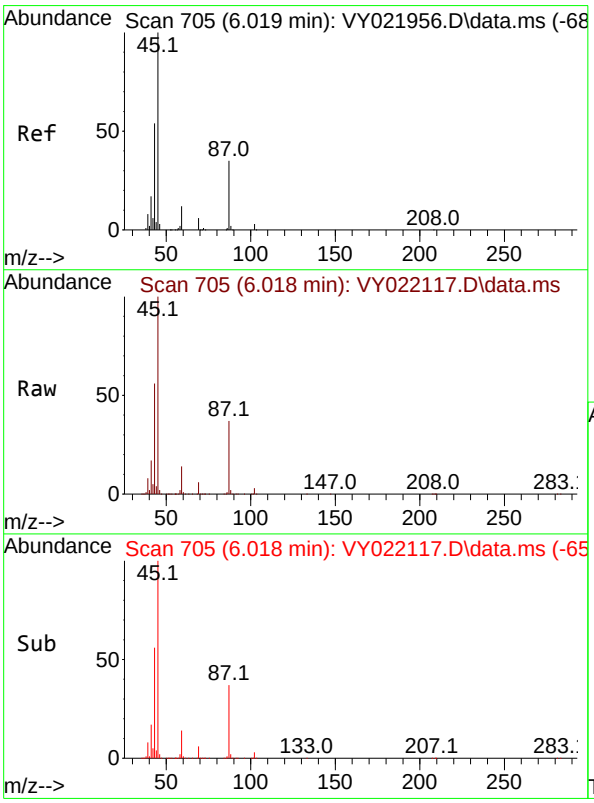
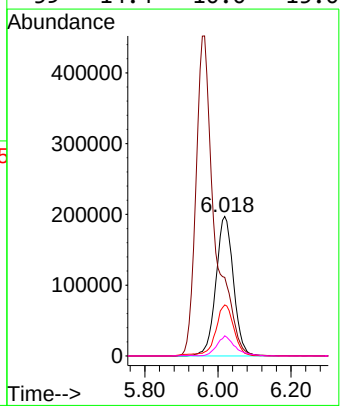
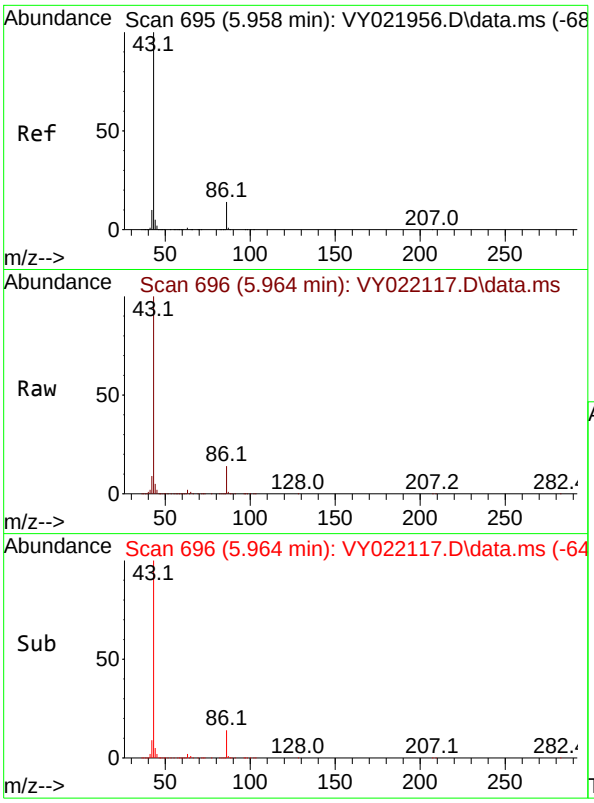


#22
Diisopropyl ether
Concen: 49.111 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 45 Resp: 659731

Ion	Ratio	Lower	Upper
45	100		
43	56.1	43.6	65.4
87	36.6	28.2	42.4
59	14.4	10.0	15.0

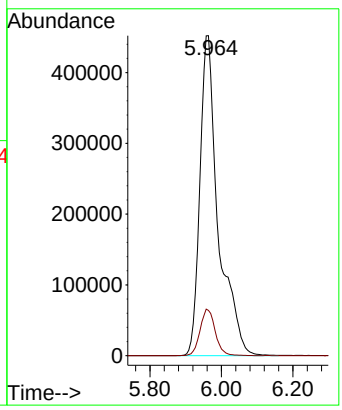




#23
Vinyl Acetate
Concen: 222.703 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 161230

Ion	Ratio	Lower	Upper
43	100		
86	14.1	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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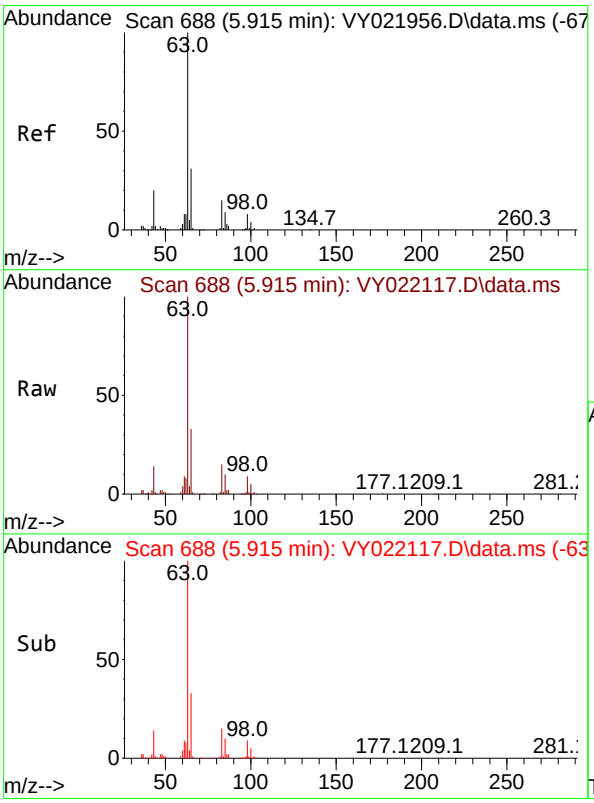
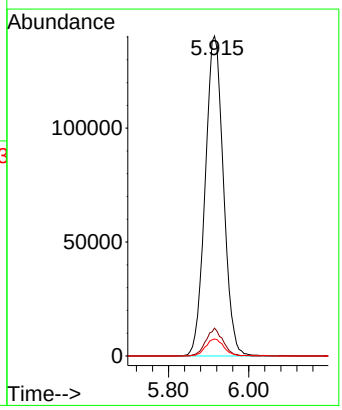
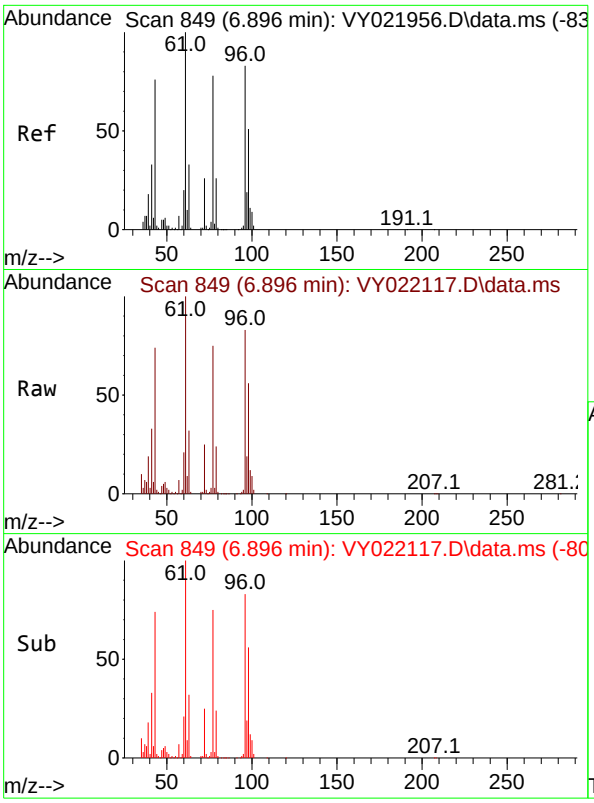


#24
1,1-Dichloroethane
Concen: 47.559 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 63 Resp: 442840

Ion	Ratio	Lower	Upper
63	100		
98	8.7	4.0	11.9
100	5.3	2.0	6.0





#25
2-Butanone
Concen: 236.741 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 25994

Ion	Ratio	Lower	Upper
43	100		
72	33.9	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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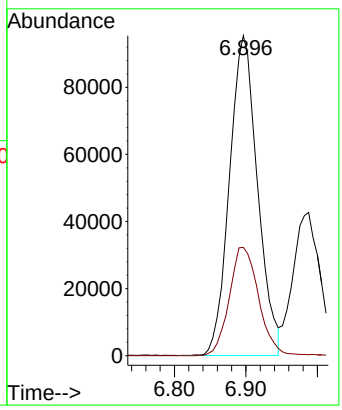
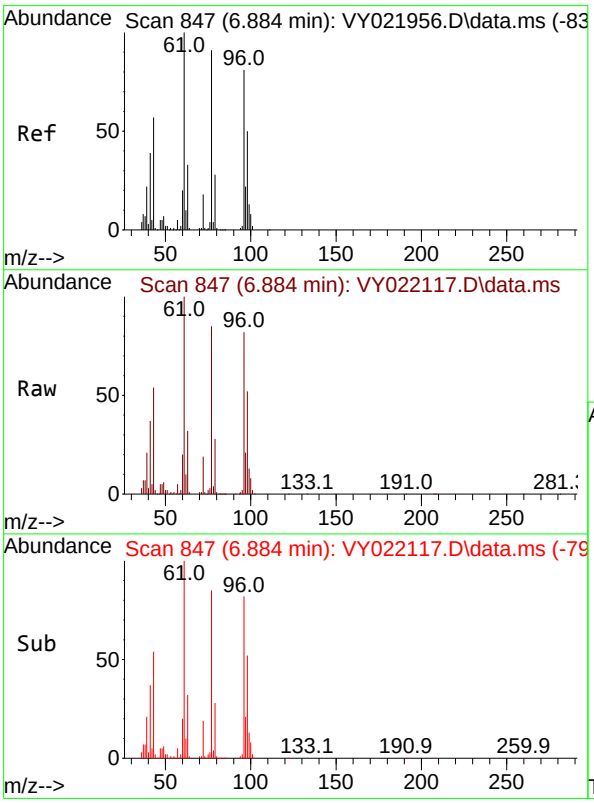
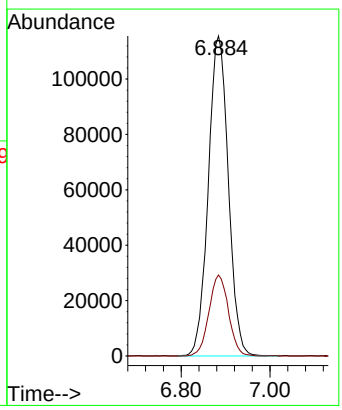


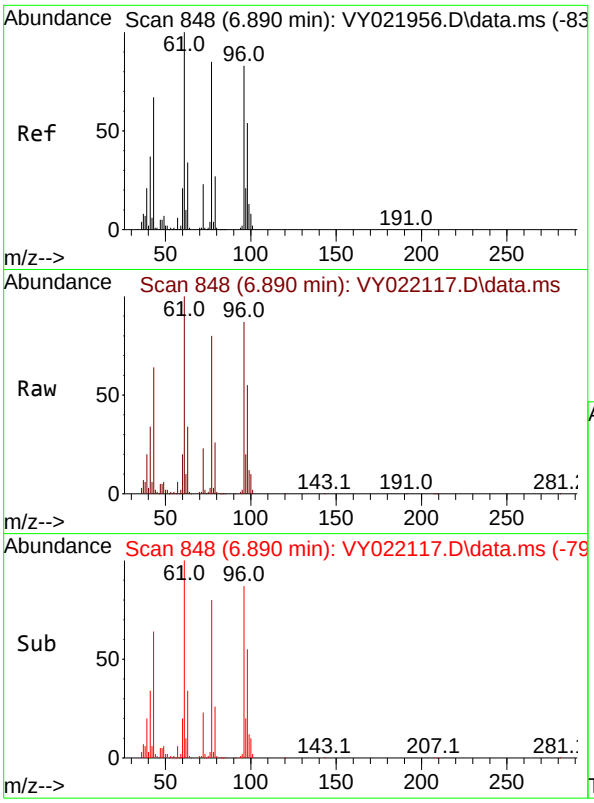


#26
2,2-Dichloropropane
Concen: 44.248 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 77 Resp: 361120

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 49.858 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 96 Resp: 32367

Ion	Ratio	Lower	Upper
96	100		
61	120.9	0.0	251.4
98	64.8	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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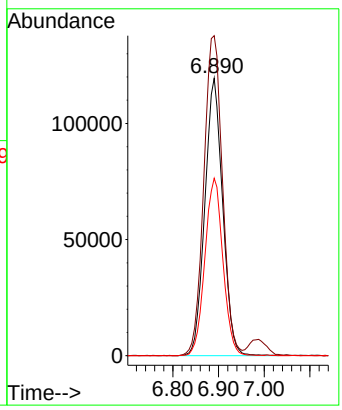
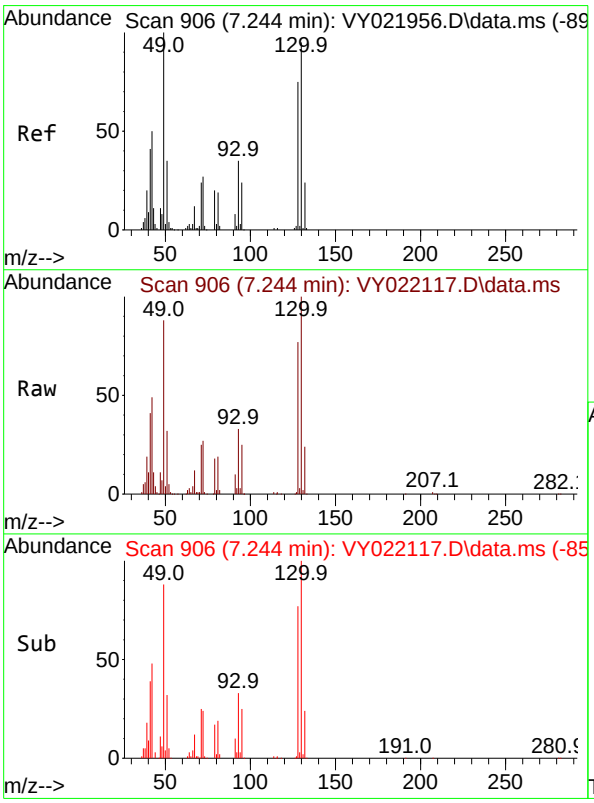
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

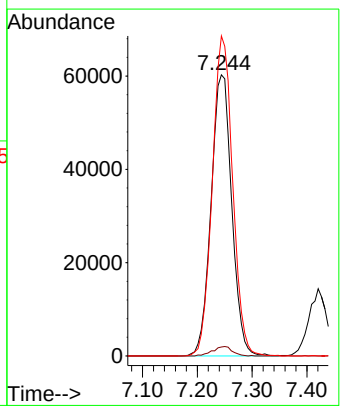


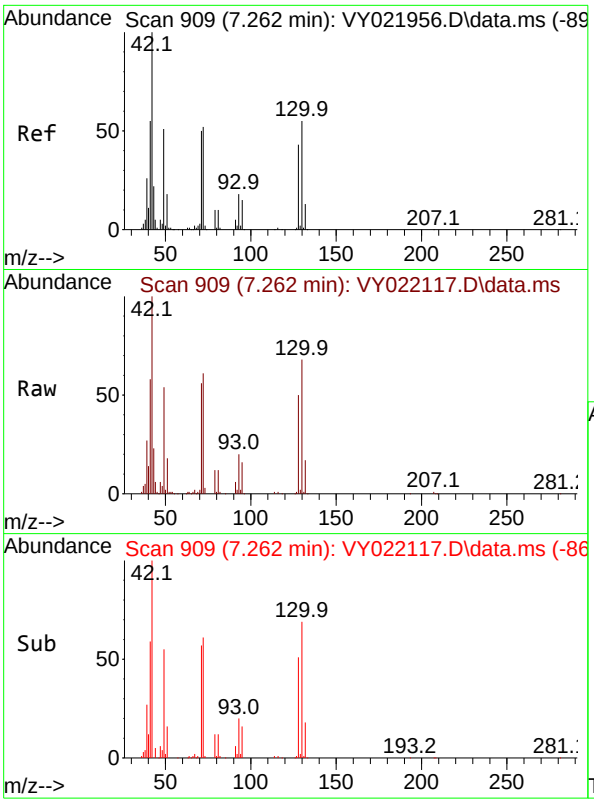


#28
Bromochloromethane
Concen: 43.649 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 49 Resp: 157867

Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.0
130	112.1	78.2	117.4





#29
Tetrahydrofuran
Concen: 243.773 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 42 Resp: 17384

Ion	Ratio	Lower	Upper
42	100		
72	58.2	42.6	63.8
71	54.2	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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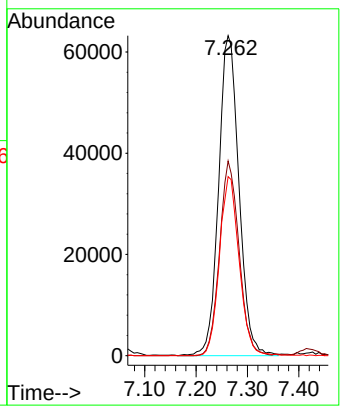
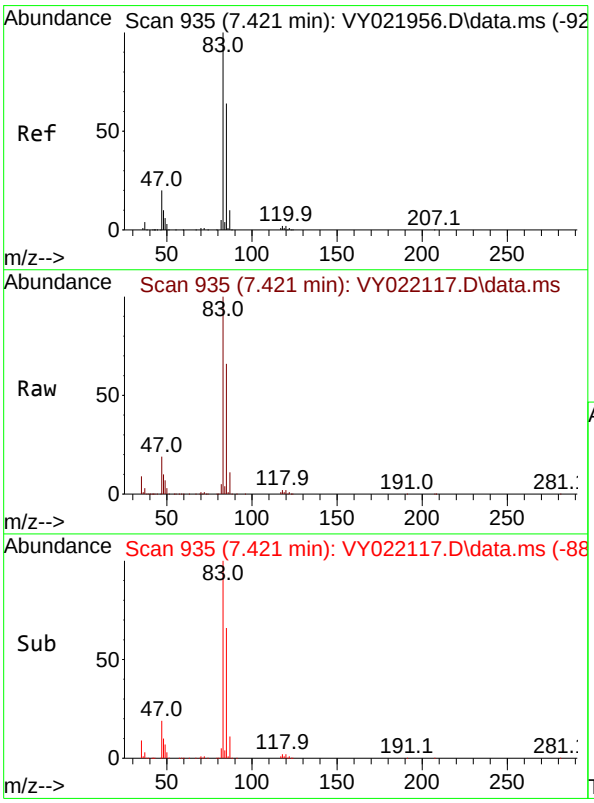
Supervised By :Mahesh Dadoda 05/05/2025

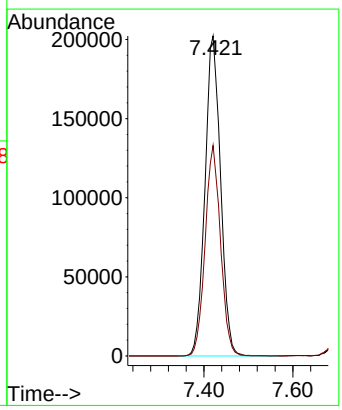


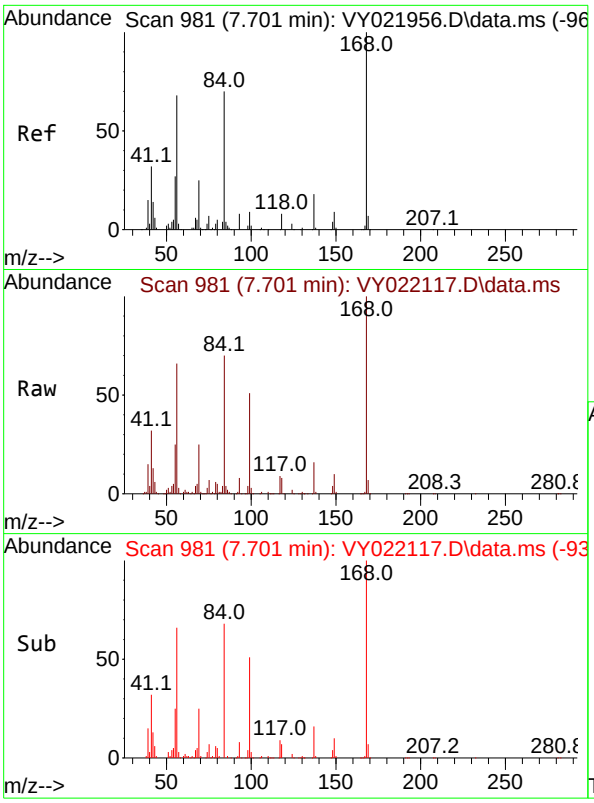


#30
Chloroform
Concen: 47.854 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 83 Resp: 494257

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





#31
Cyclohexane
Concen: 42.487 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 56 Resp: 33831

Ion	Ratio	Lower	Upper
56	100		
69	37.3	29.4	44.2
84	103.8	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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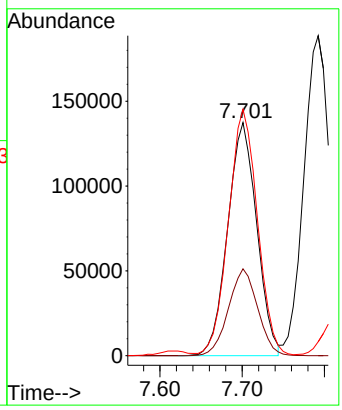
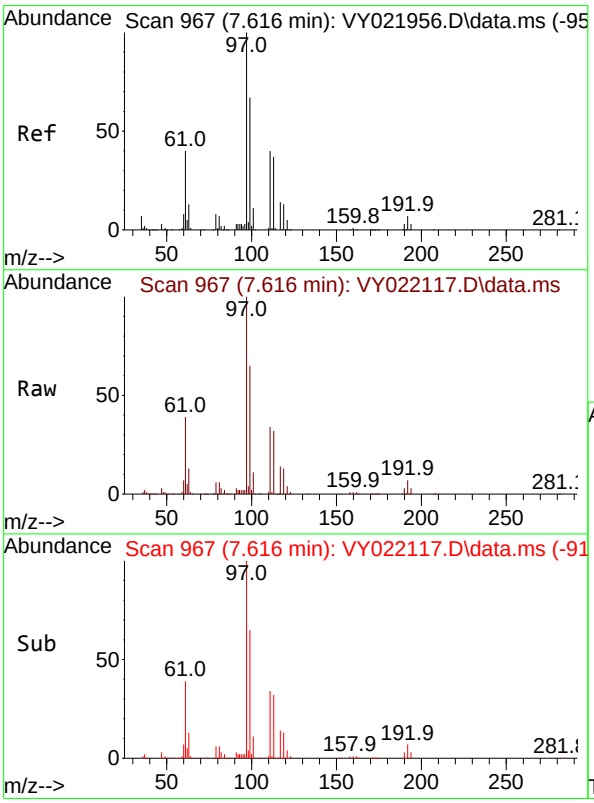
Supervised By :Mahesh Dadoda 05/05/2025

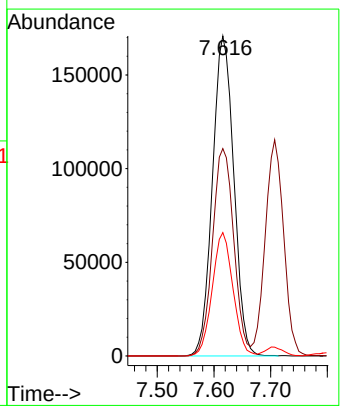


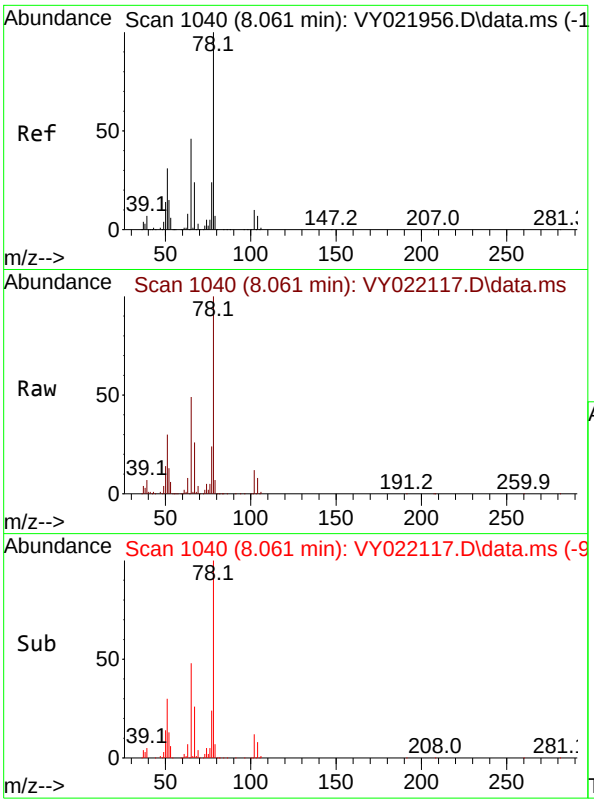


#32
1,1,1-Trichloroethane
Concen: 47.728 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 97 Resp: 445983

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	37.5	31.4	47.2

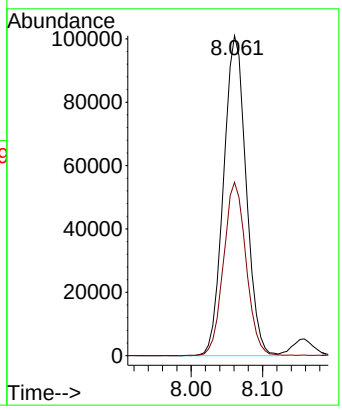




#33
1,2-Dichloroethane-d4
Concen: 45.904 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 65 Resp: 22111

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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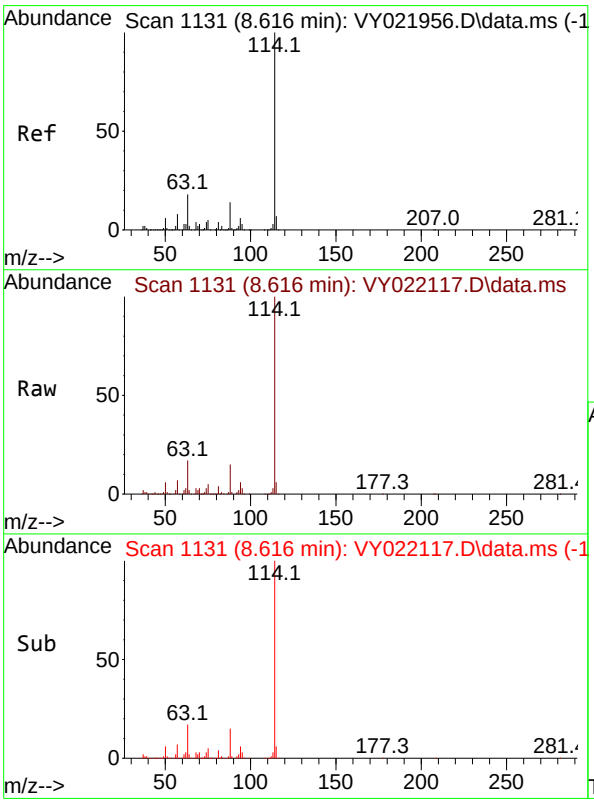
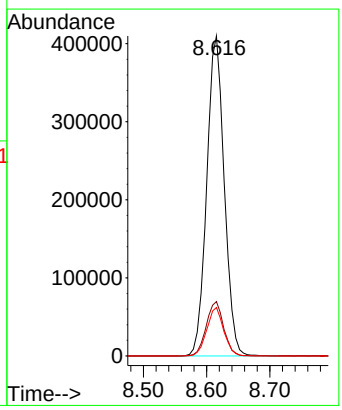
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

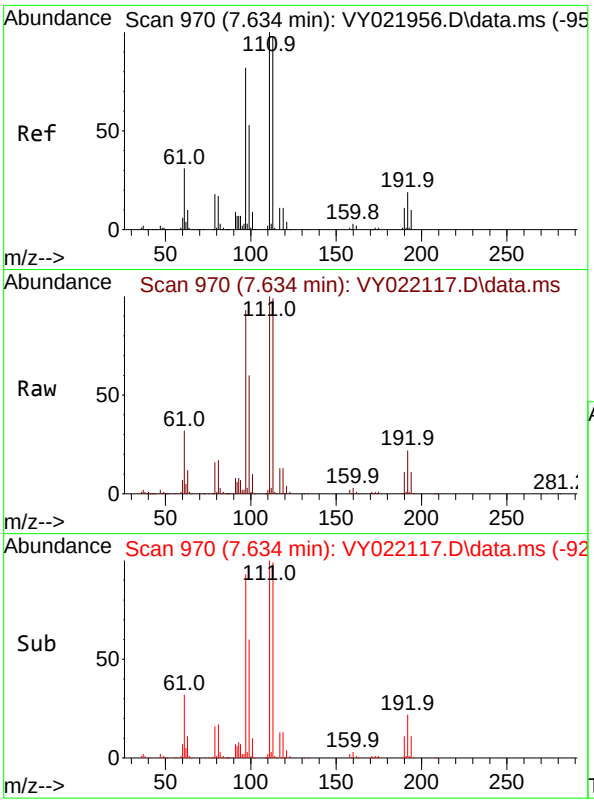


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:114 Resp: 787920

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.4
88	15.2	0.0	28.2





#35
Dibromofluoromethane
Concen: 49.326 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:113 Resp: 25676

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	23.2	15.6	23.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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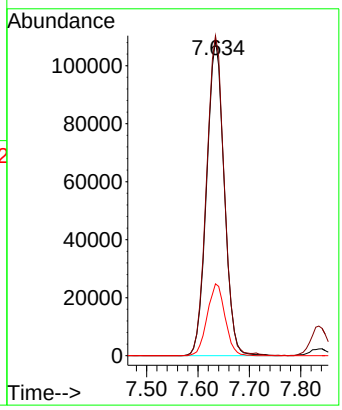
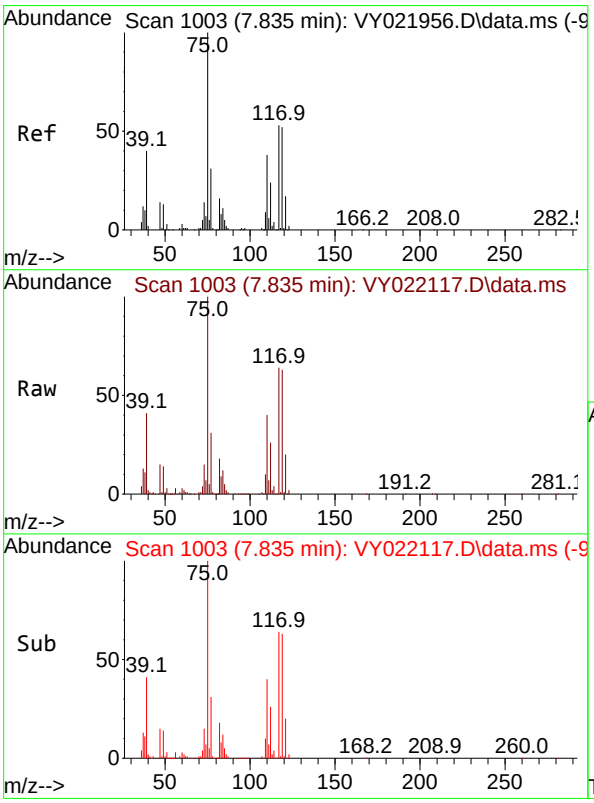
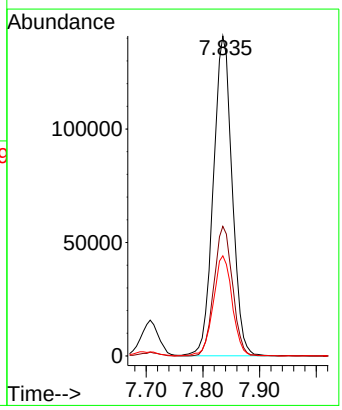


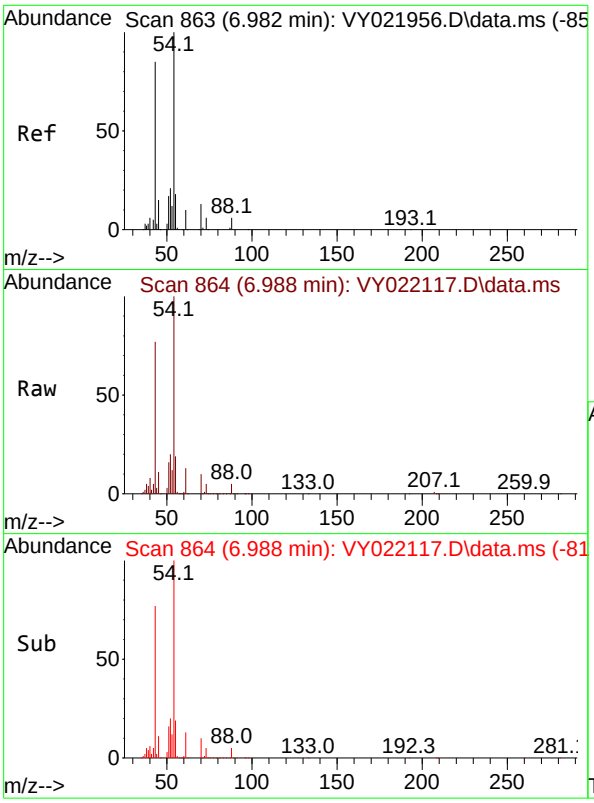


#36
1,1-Dichloropropene
Concen: 46.228 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 323237

Ion	Ratio	Lower	Upper
75	100		
110	40.1	19.1	57.3
77	31.8	25.5	38.3





#37
Ethyl Acetate
Concen: 47.048 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 11815

Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.8	20.6
70	13.5	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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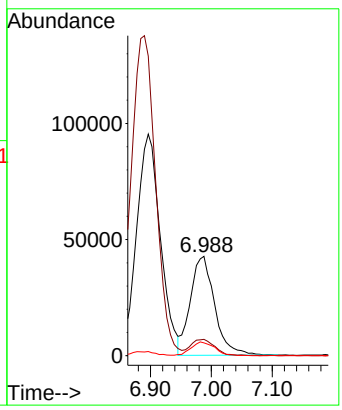
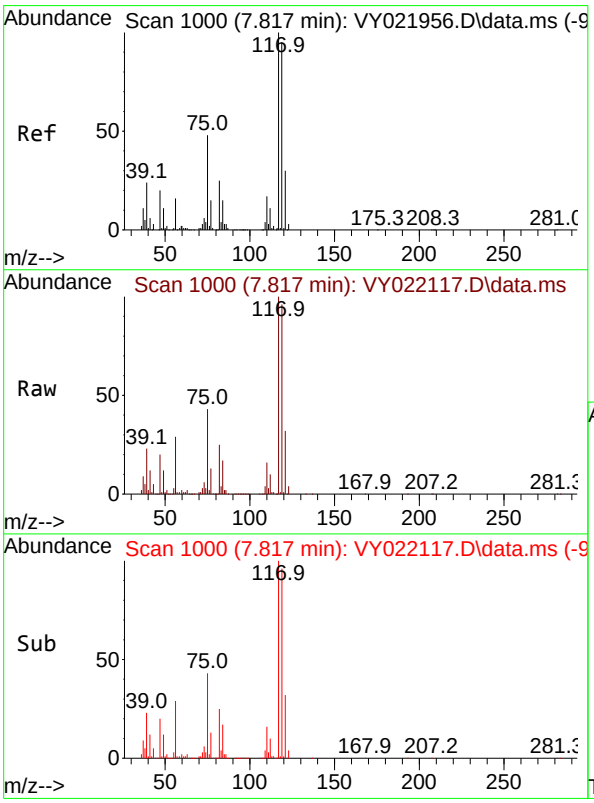
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

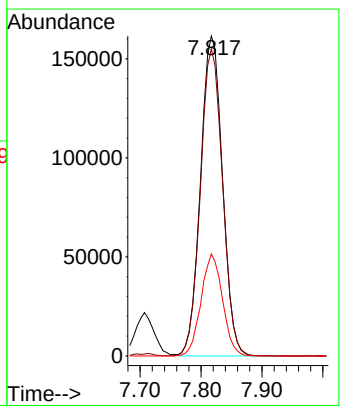


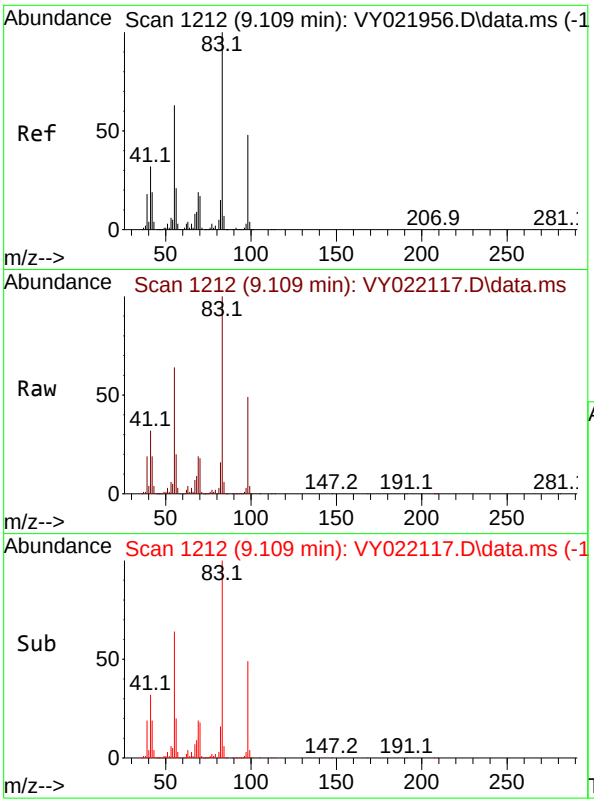


#38
Carbon Tetrachloride
Concen: 48.498 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:117 Resp: 405212

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.4
121	31.9	24.0	36.0

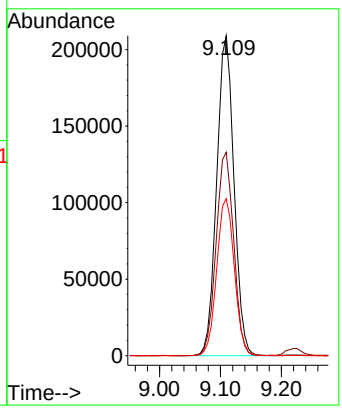




#39
Methylcyclohexane
Concen: 46.900 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 83 Resp: 41269

Ion	Ratio	Lower	Upper
83	100		
55	63.6	50.6	75.8
98	49.0	38.6	58.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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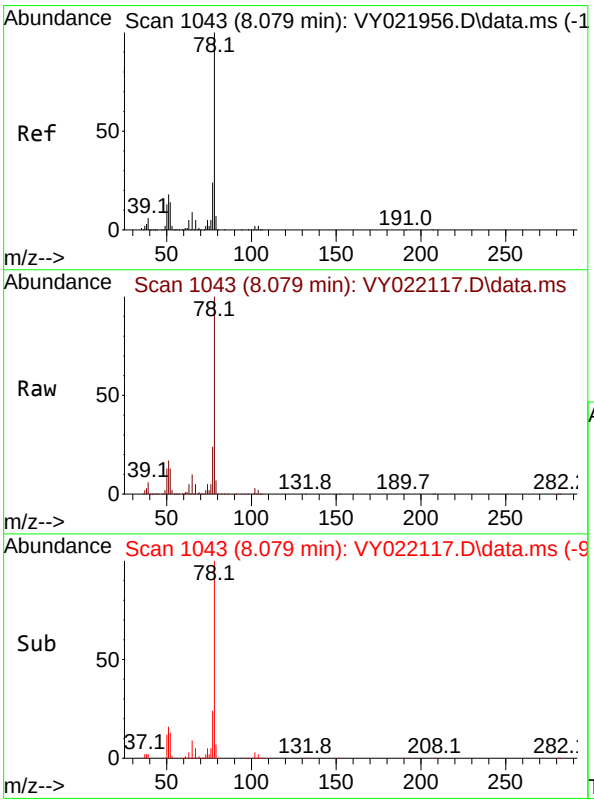
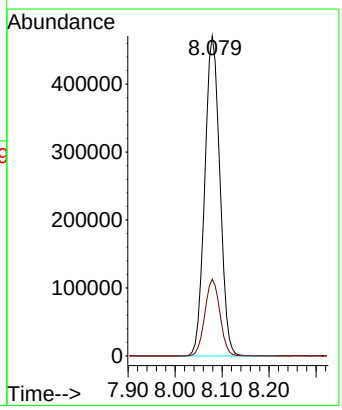
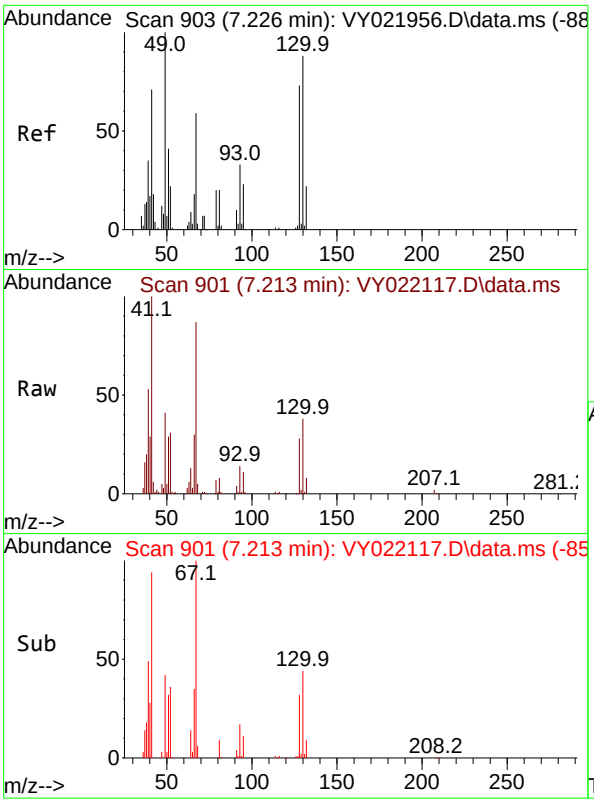


#40
Benzene
Concen: 47.922 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 78 Resp: 1047462

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9

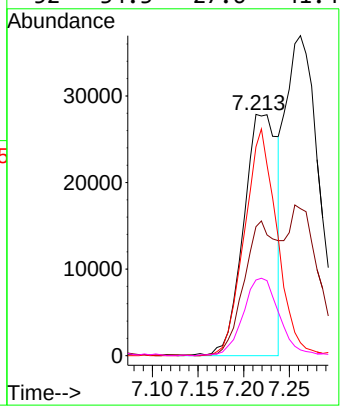




#41
Methacrylonitrile
Concen: 52.167 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 41 Resp: 7161

Ion	Ratio	Lower	Upper
41	100		
39	53.5	36.6	55.0
67	91.9	72.2	108.4
52	34.3	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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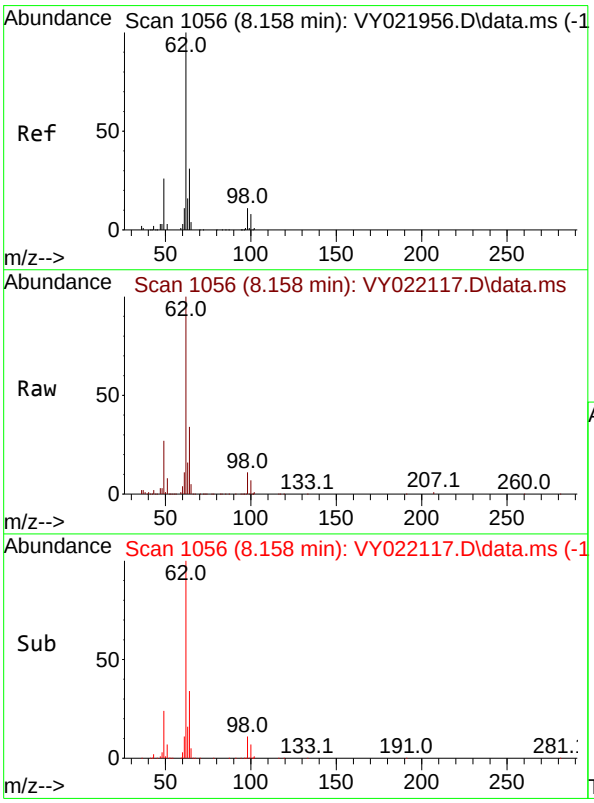
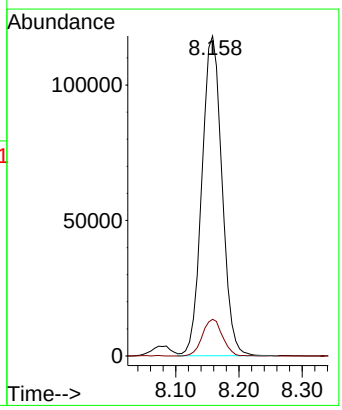
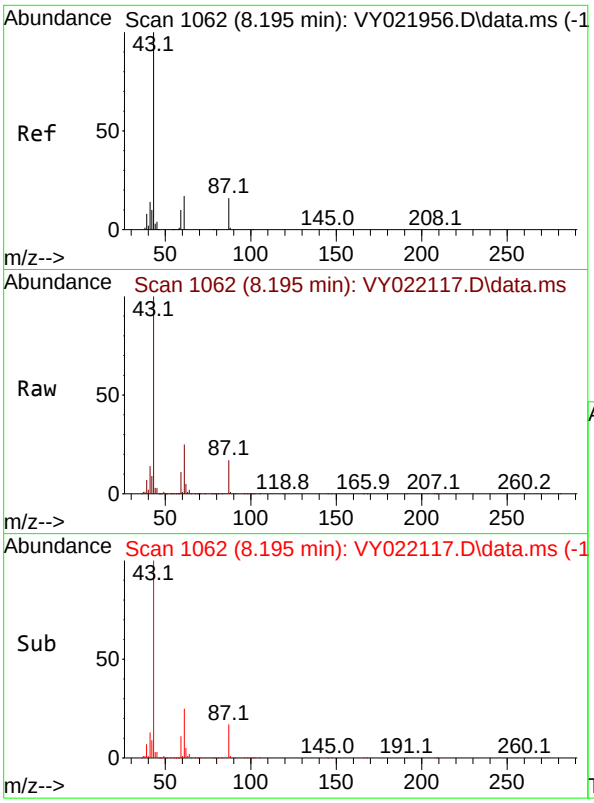


#42
1,2-Dichloroethane
Concen: 48.211 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 62 Resp: 260898

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	22.0





#43
Isopropyl Acetate
Concen: 49.718 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 23977

Ion	Ratio	Lower	Upper
43	100		
61	24.6	18.9	28.3
87	18.1	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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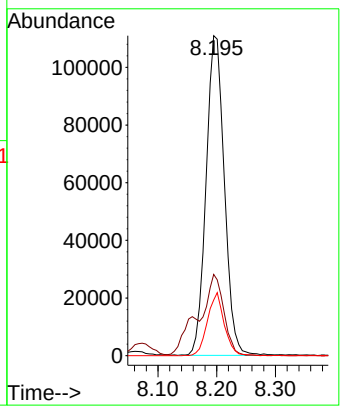
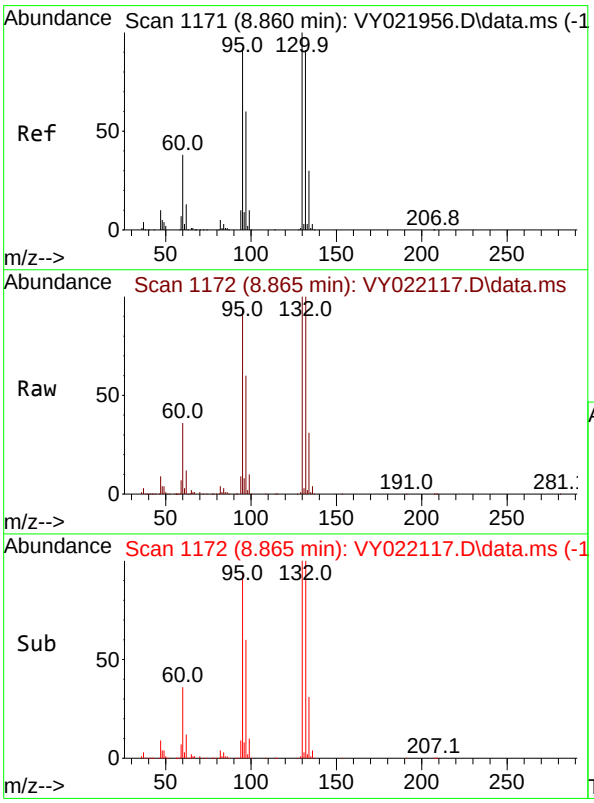
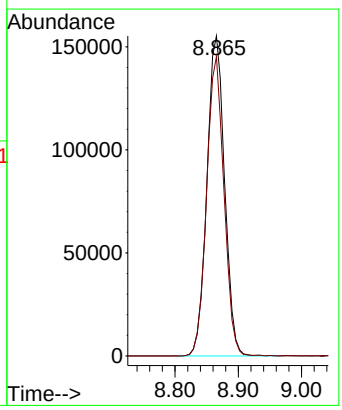


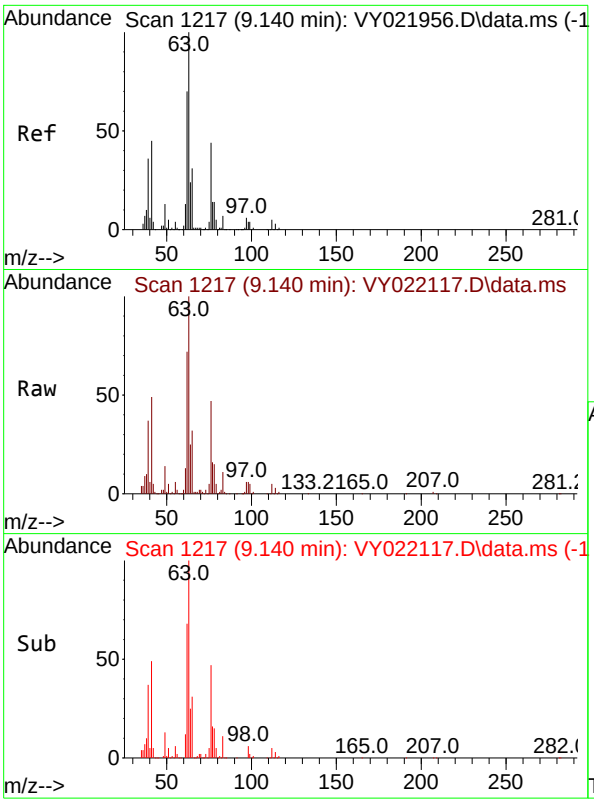


#44
Trichloroethene
Concen: 49.676 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:130 Resp: 300752

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	183.2





#45
1,2-Dichloropropane
Concen: 46.838 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 63 Resp: 22640

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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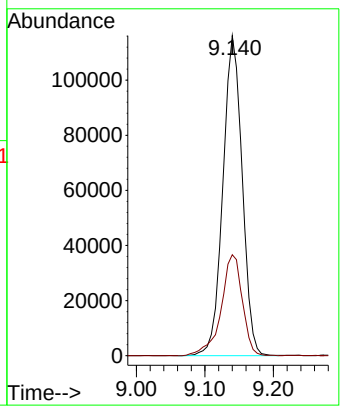
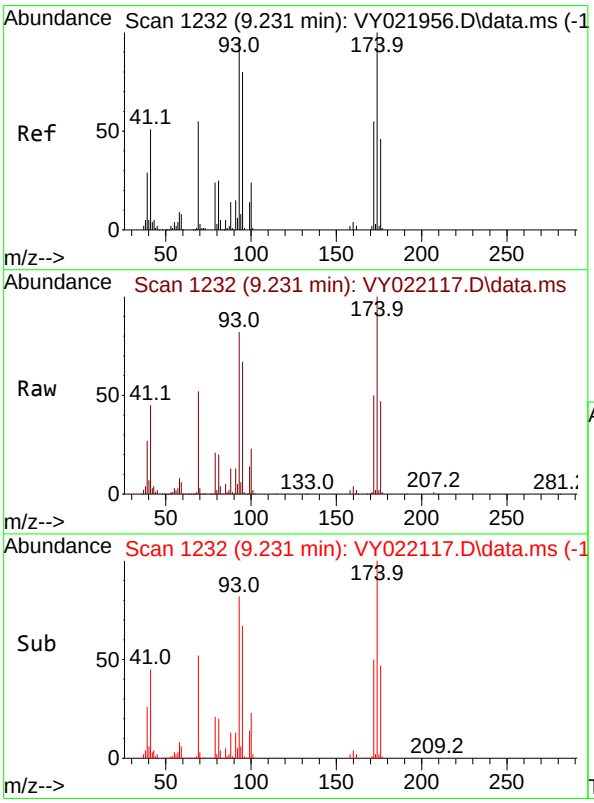
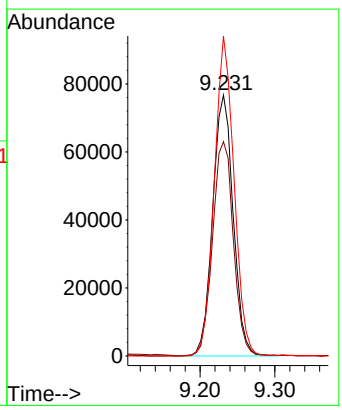


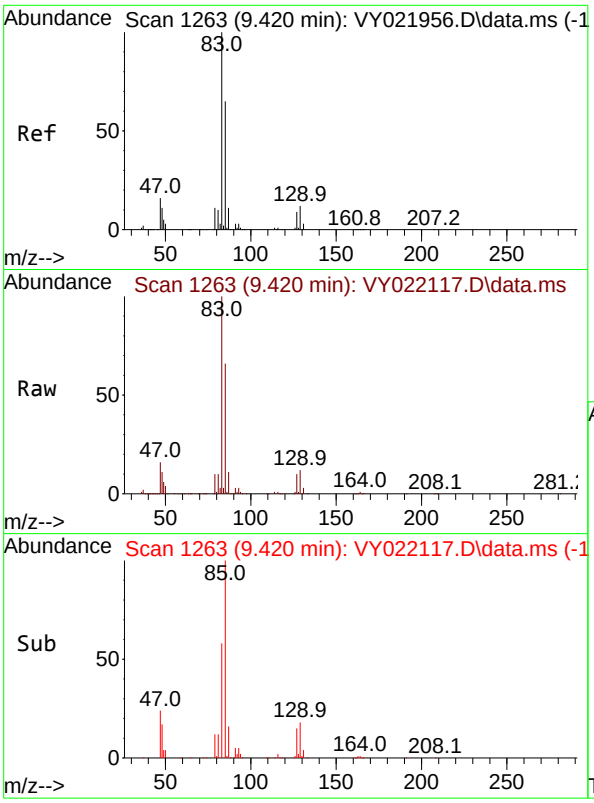


#46
Dibromomethane
Concen: 48.316 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 93 Resp: 146196

Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.7	100.1
174	117.9	84.6	127.0

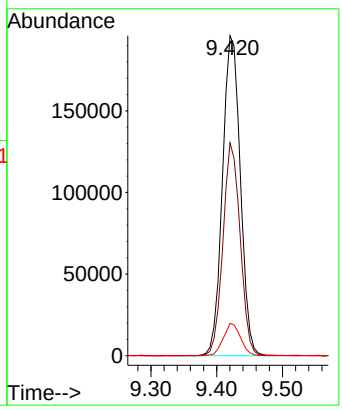




#47
Bromodichloromethane
Concen: 49.076 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 83 Resp: 37096

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.8	77.8
127	10.1	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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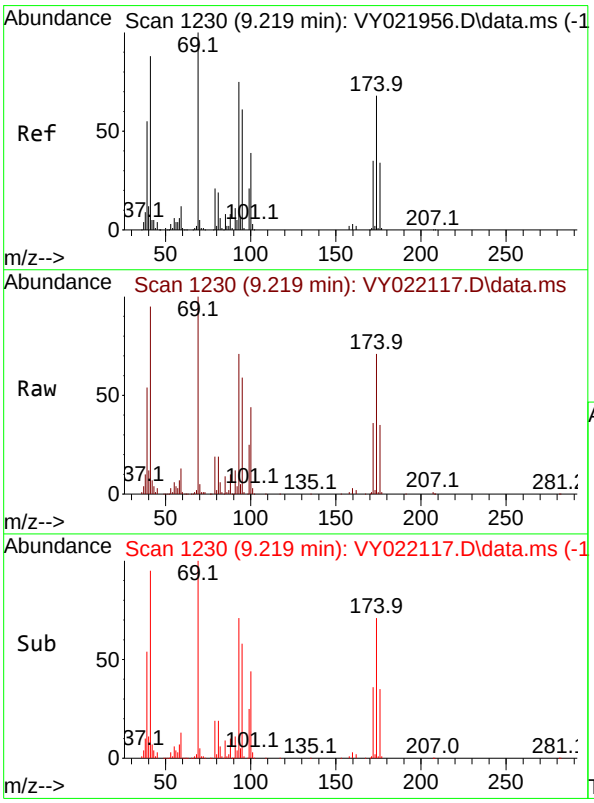
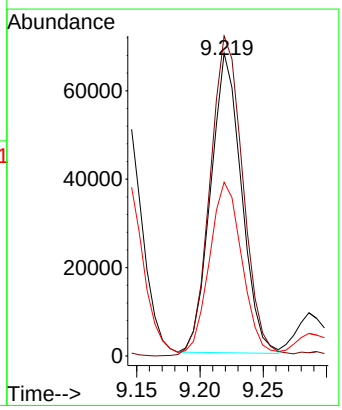
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

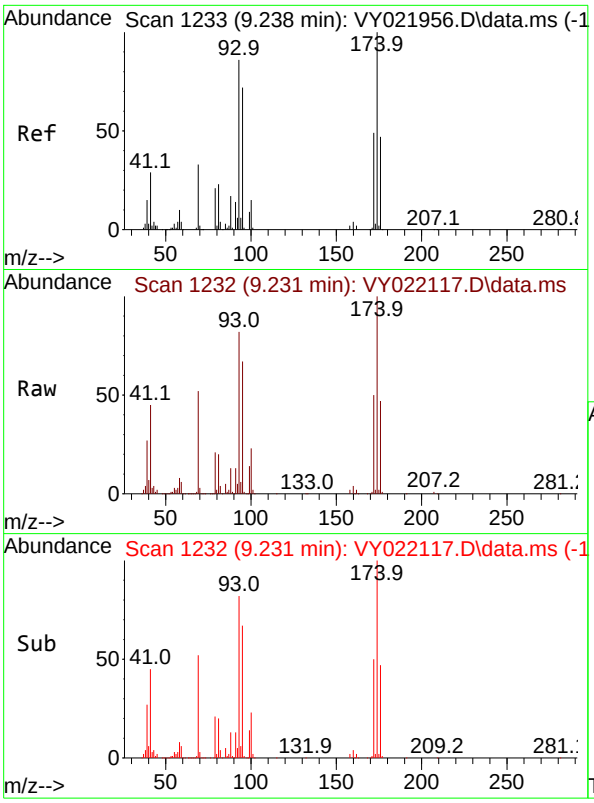


#48
Methyl methacrylate
Concen: 51.420 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 41 Resp: 114638

Ion	Ratio	Lower	Upper
41	100		
69	114.0	85.5	128.3
39	59.3	46.2	69.4





#49
1,4-Dioxane
Concen: 983.083 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 88 Resp: 3170

Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.3	31.9
58	63.9	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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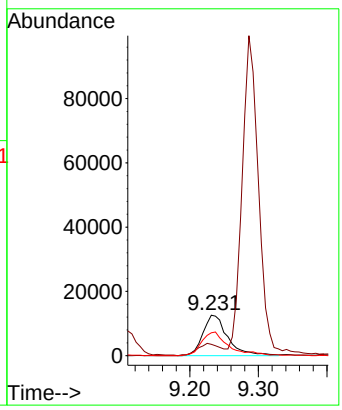
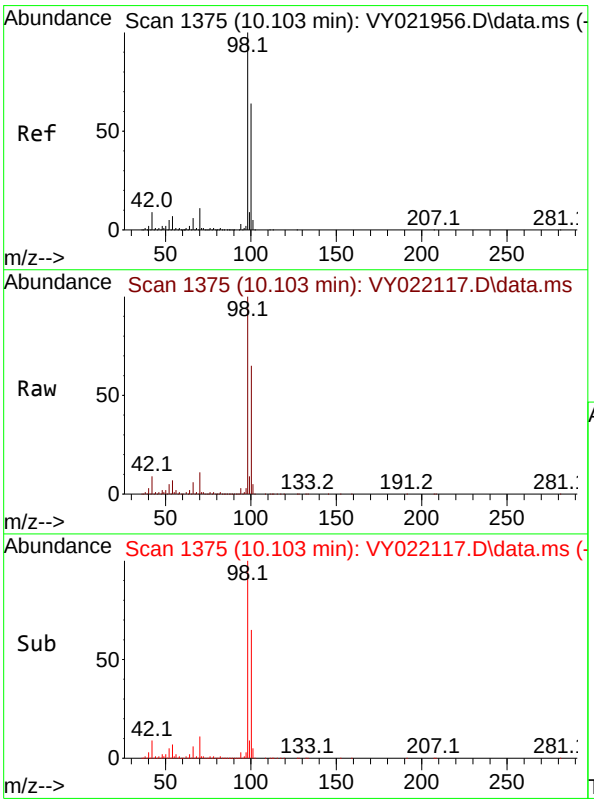
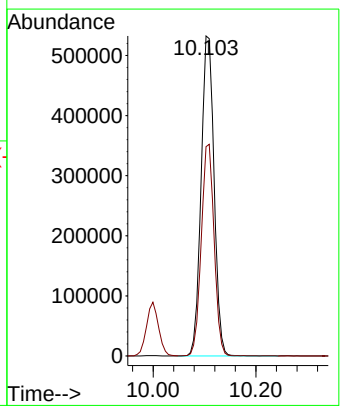


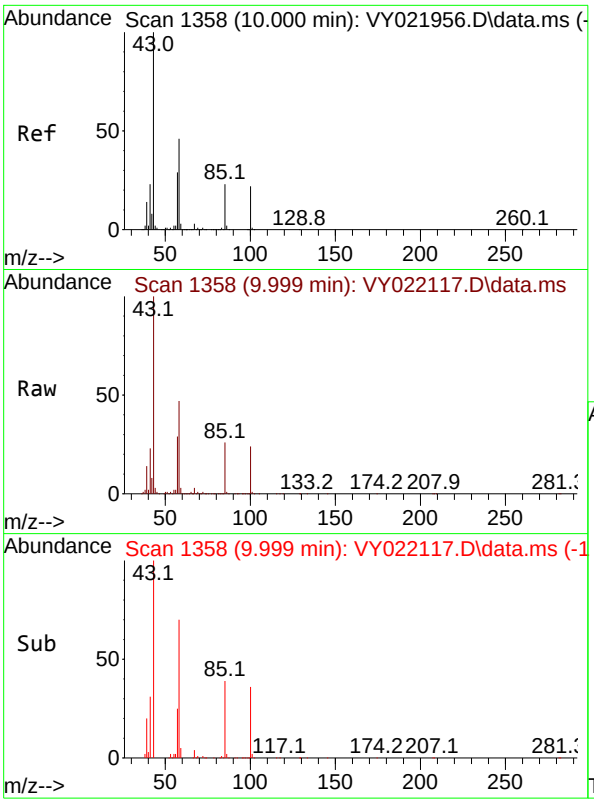


#50
Toluene-d8
Concen: 47.459 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 98 Resp: 931345

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 251.616 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 63611

Ion	Ratio	Lower	Upper
43	100		
58	46.3	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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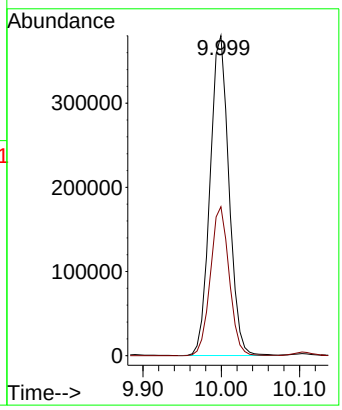
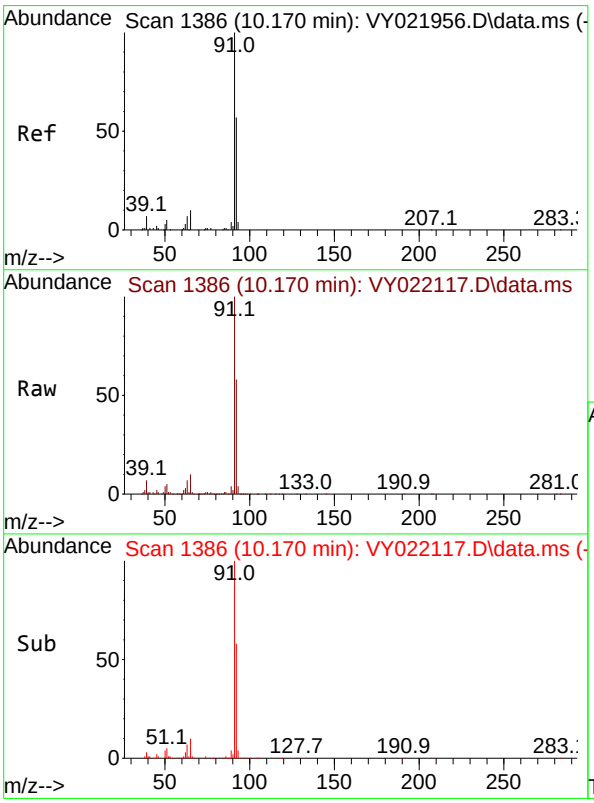
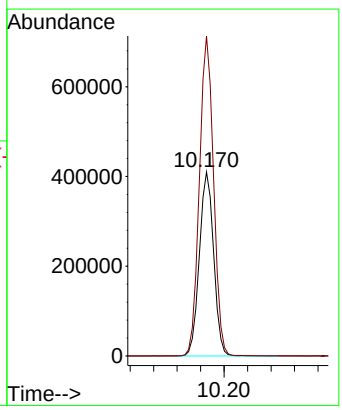


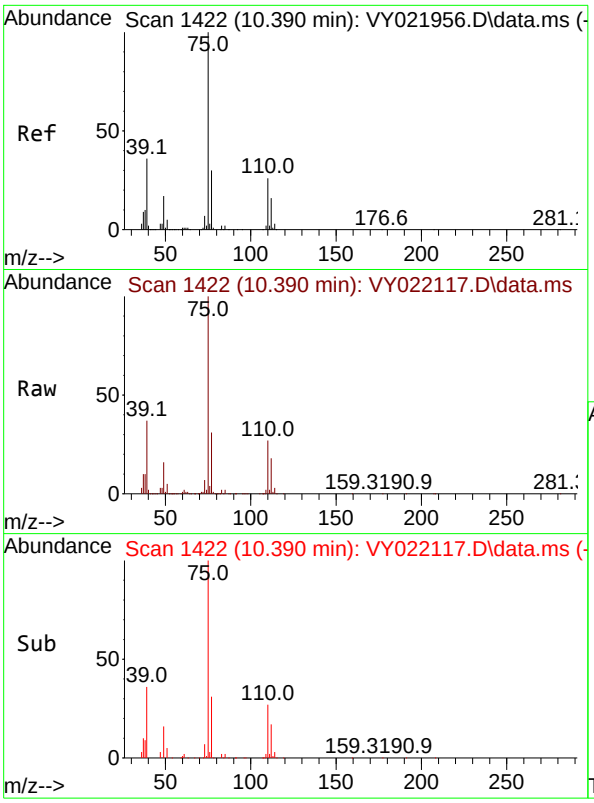


#52
Toluene
Concen: 48.855 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 92 Resp: 691233

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 48.687 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 31567

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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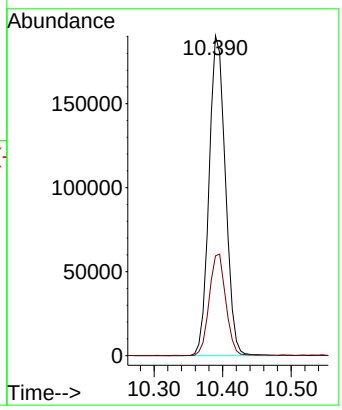
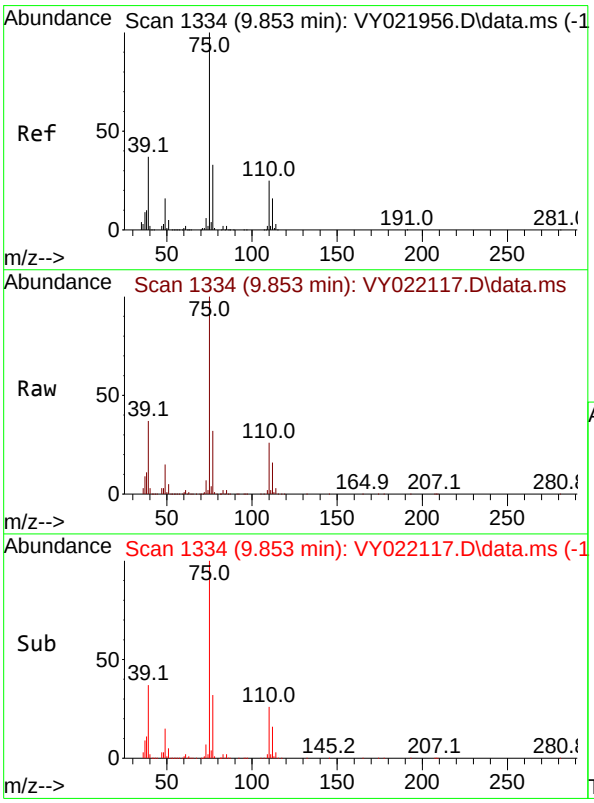
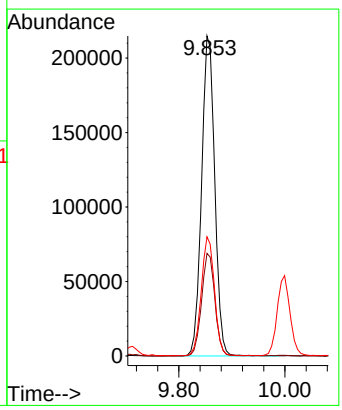


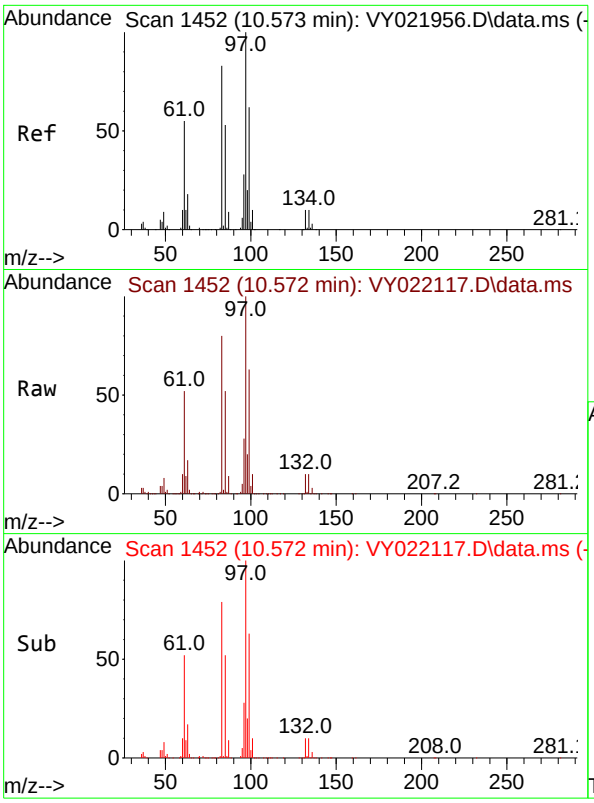


#54
cis-1,3-Dichloropropene
Concen: 48.026 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 370153

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.6	40.0
39	37.1	29.6	44.4

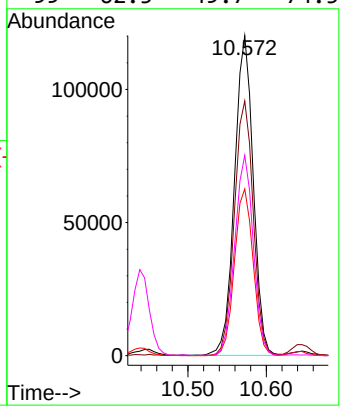




#55
1,1,2-Trichloroethane
Concen: 49.394 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 97 Resp: 19964

Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.7	100.1
85	52.1	42.6	64.0
99	62.5	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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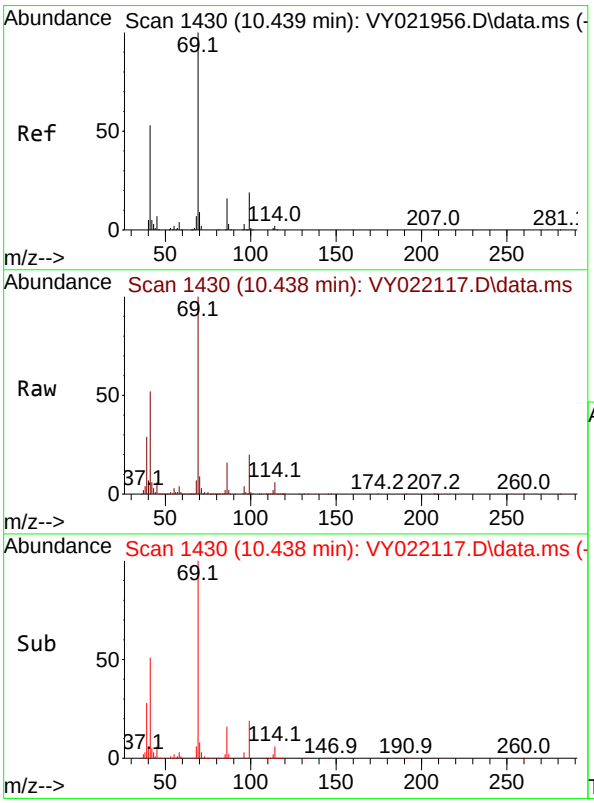
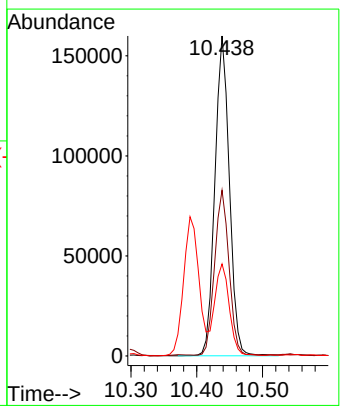
Supervised By :Mahesh Dadoda 05/05/2025

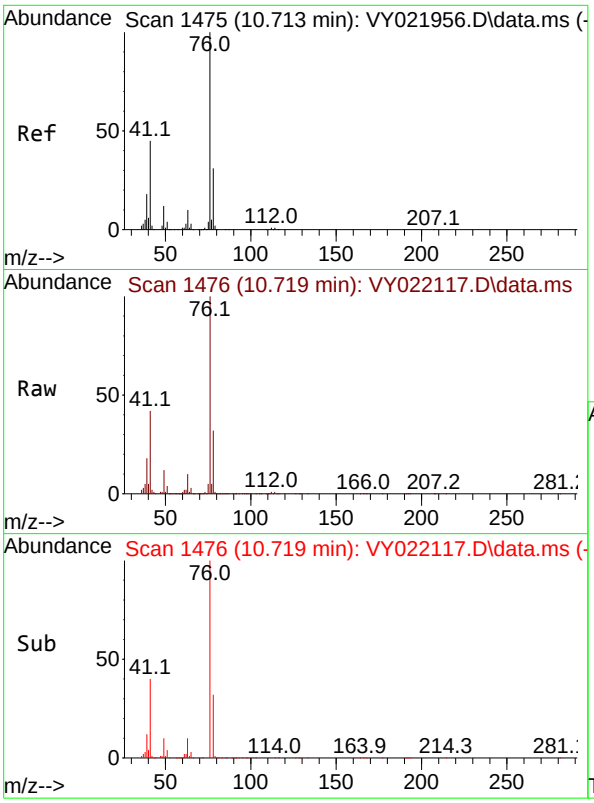


#56
Ethyl methacrylate
Concen: 53.079 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 69 Resp: 245334

Ion	Ratio	Lower	Upper
69	100		
41	51.1	40.7	61.1
39	29.2	23.3	34.9





#57
1,3-Dichloropropane
Concen: 48.460 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 76 Resp: 31400

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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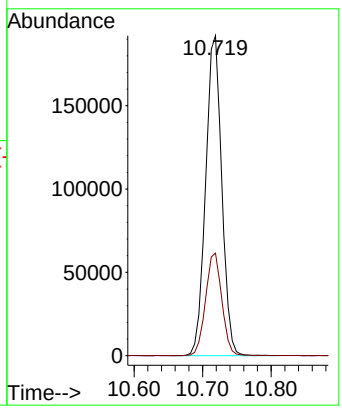
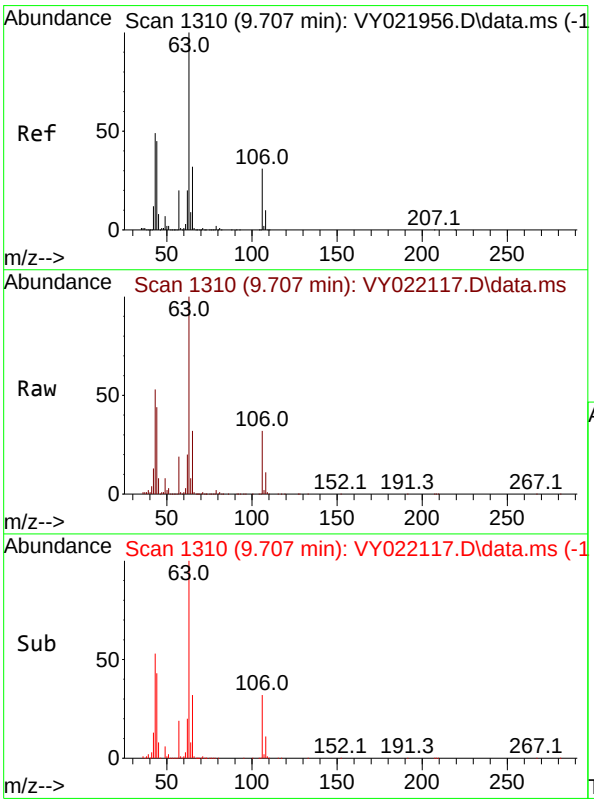
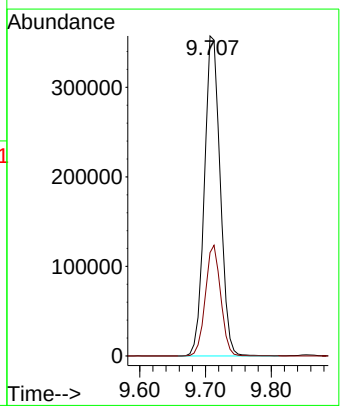


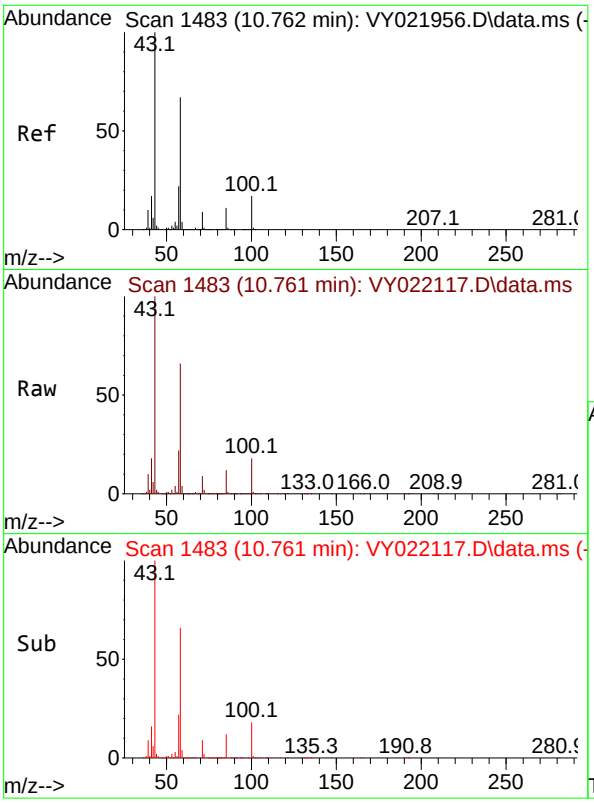


#58
2-Chloroethyl Vinyl ether
Concen: 264.249 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 63 Resp: 597172

Ion	Ratio	Lower	Upper
63	100		
106	33.6	25.3	37.9





#59
2-Hexanone
Concen: 255.220 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 42558

Ion	Ratio	Lower	Upper
43	100		
58	64.2	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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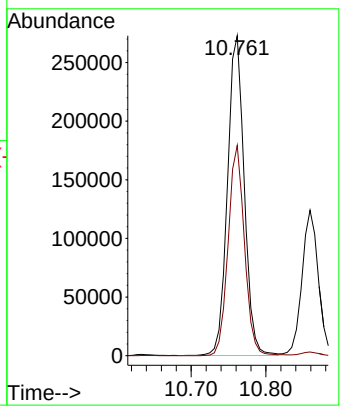
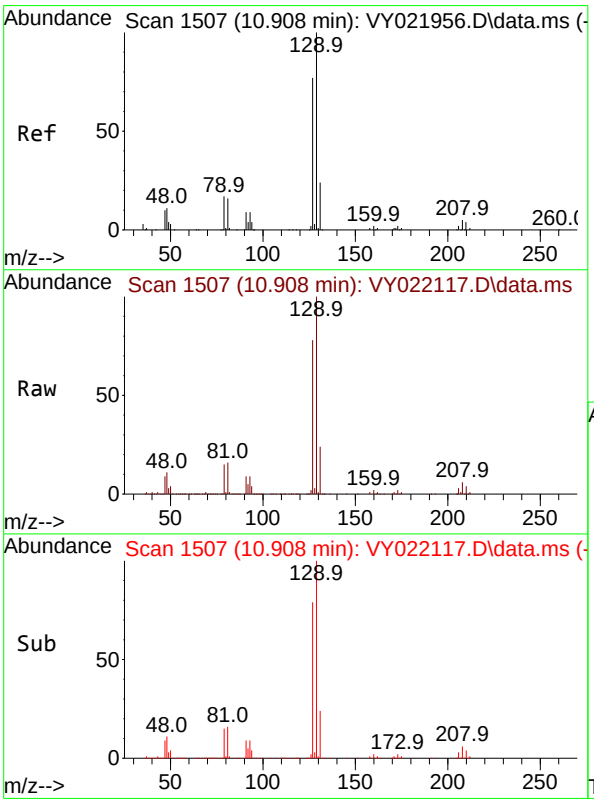
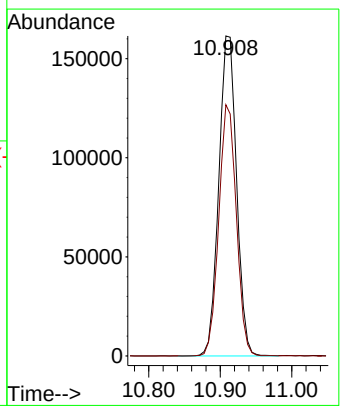


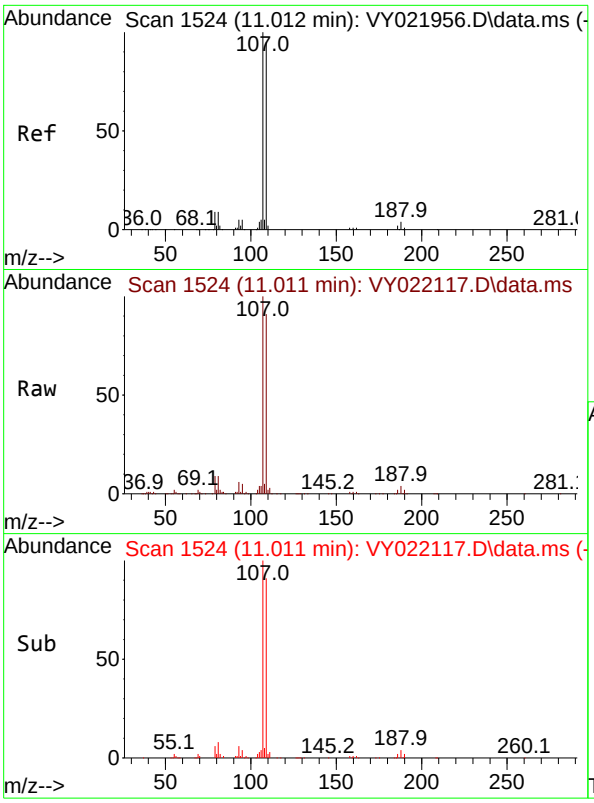


#60
Dibromochloromethane
Concen: 49.834 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:129 Resp: 278863

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.3

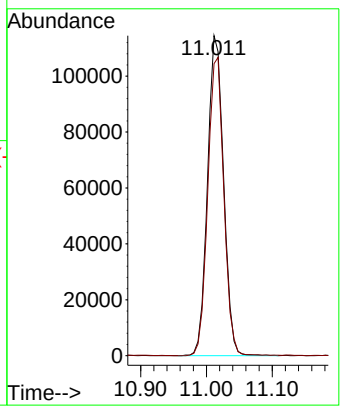




#61
1,2-Dibromoethane
Concen: 50.932 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:107 Resp: 19434

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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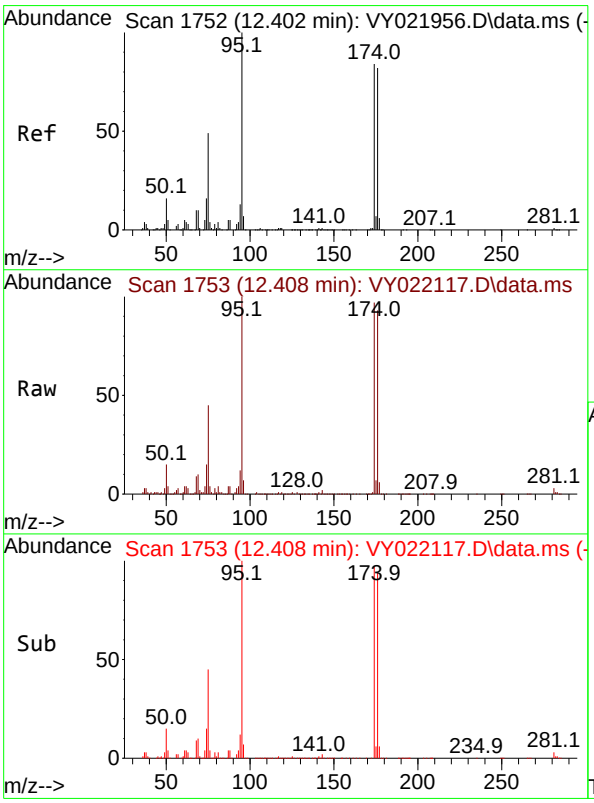
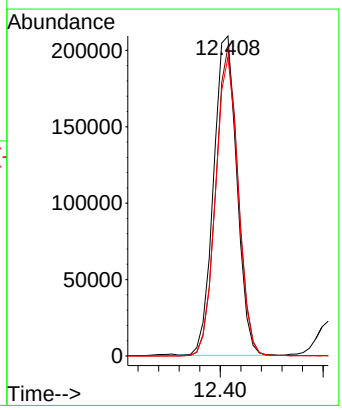
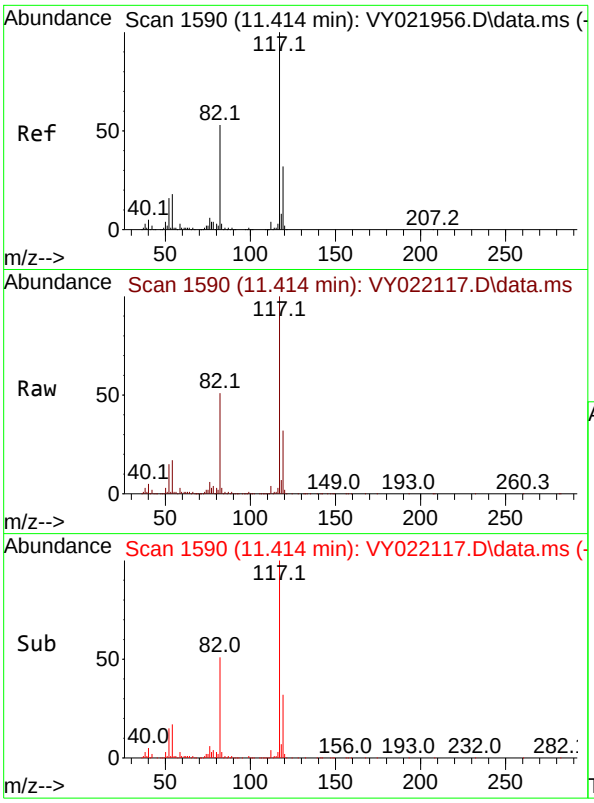


#62
4-Bromofluorobenzene
Concen: 49.712 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 95 Resp: 328413

Ion	Ratio	Lower	Upper
95	100		
174	93.7	0.0	179.0
176	91.1	0.0	171.8

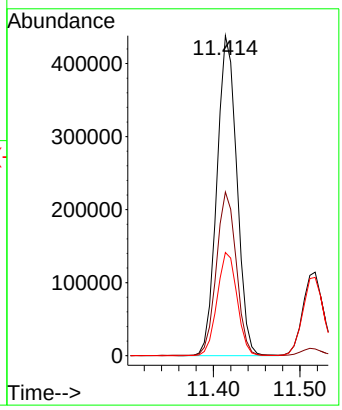




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:117 Resp: 69981

Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.1	63.1
119	32.3	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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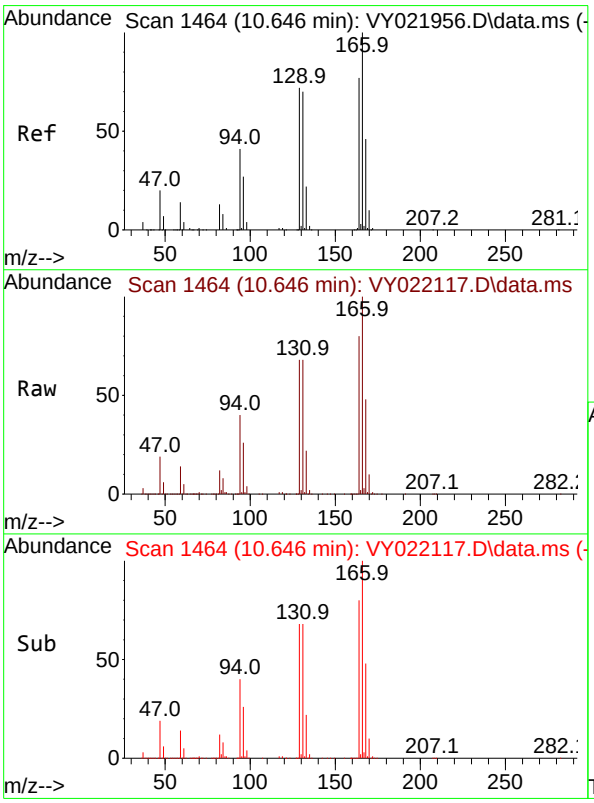
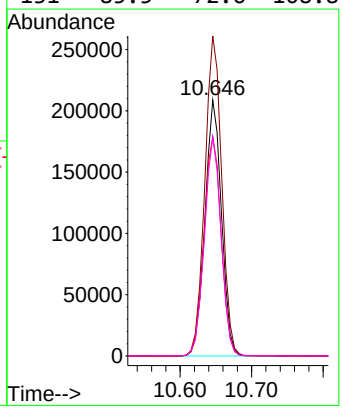
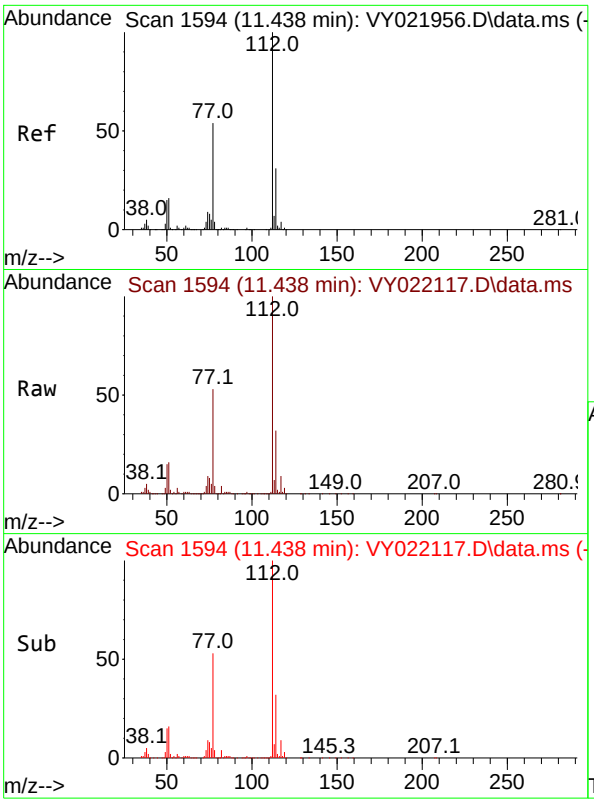


#64
Tetrachloroethene
Concen: 50.834 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:164 Resp: 335593

Ion	Ratio	Lower	Upper
164	100		
166	125.1	103.6	155.4
129	85.6	74.2	111.4
131	85.5	72.6	108.8

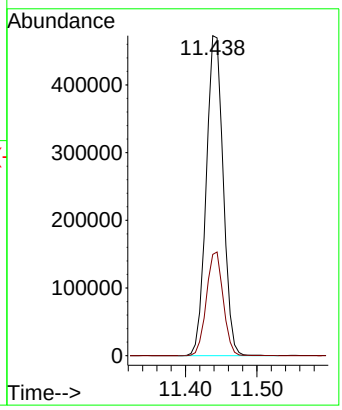




#65
Chlorobenzene
Concen: 49.658 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:112 Resp: 77713

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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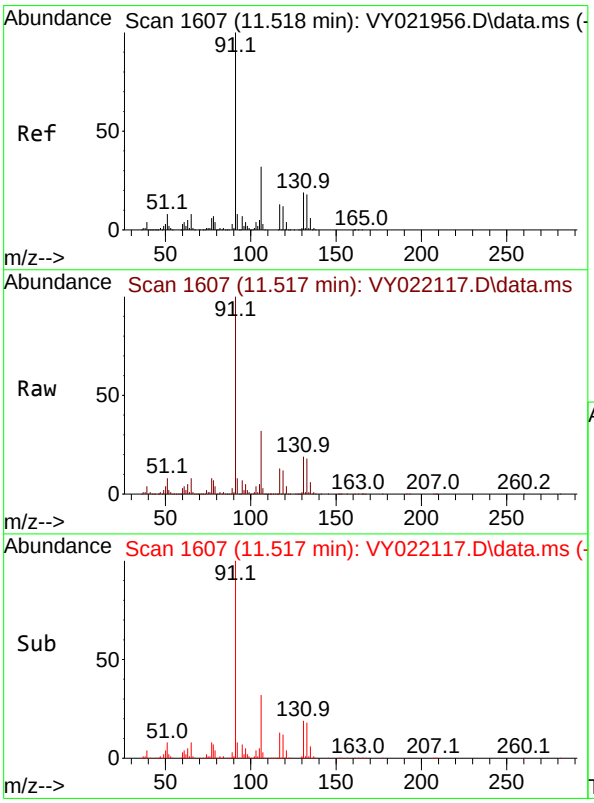
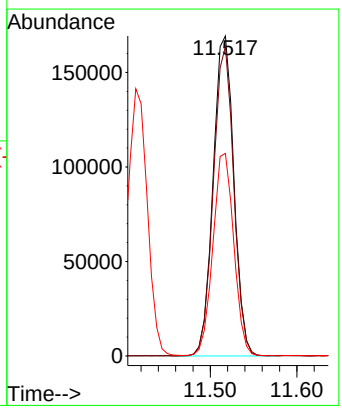
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

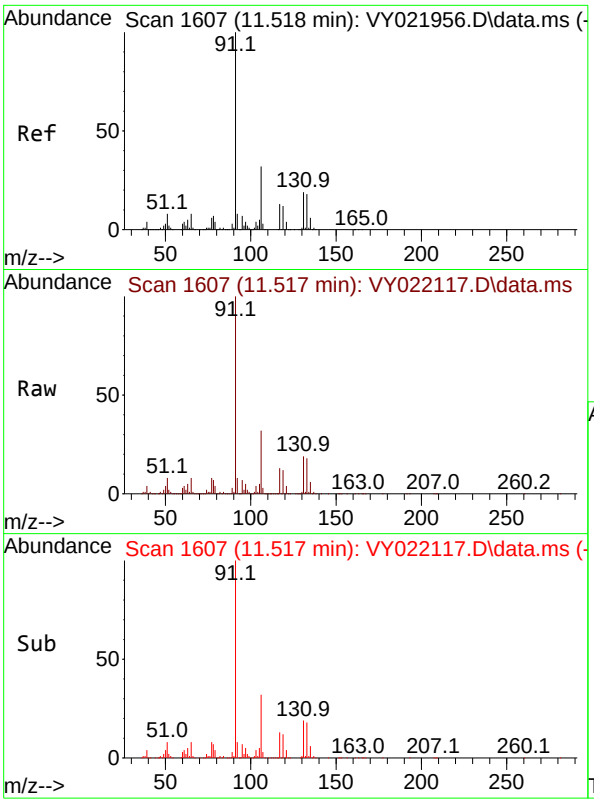


#66
1,1,1,2-Tetrachloroethane
Concen: 51.163 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:131 Resp: 281882

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.8	143.3
119	63.6	32.4	97.0

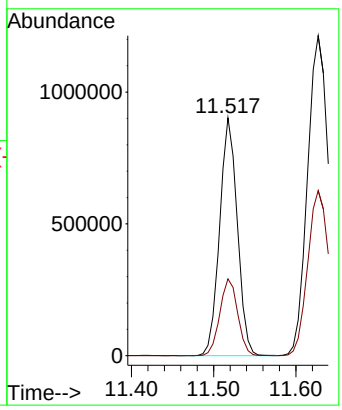




#67
Ethyl Benzene
Concen: 52.548 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 91 Resp: 134525

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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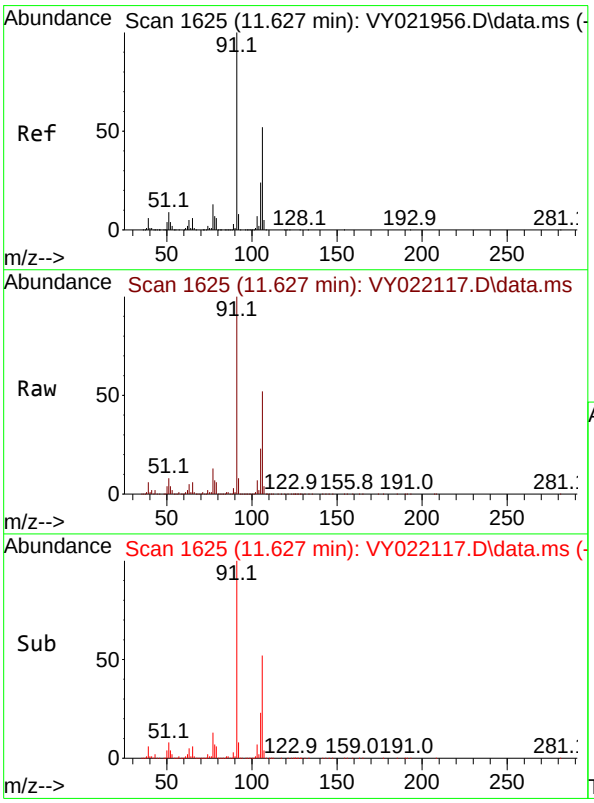
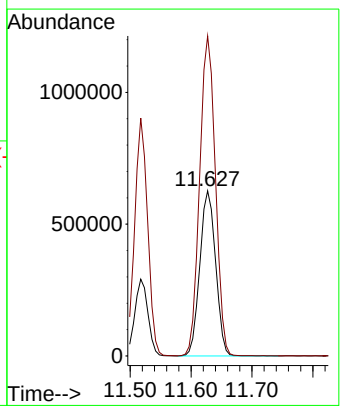
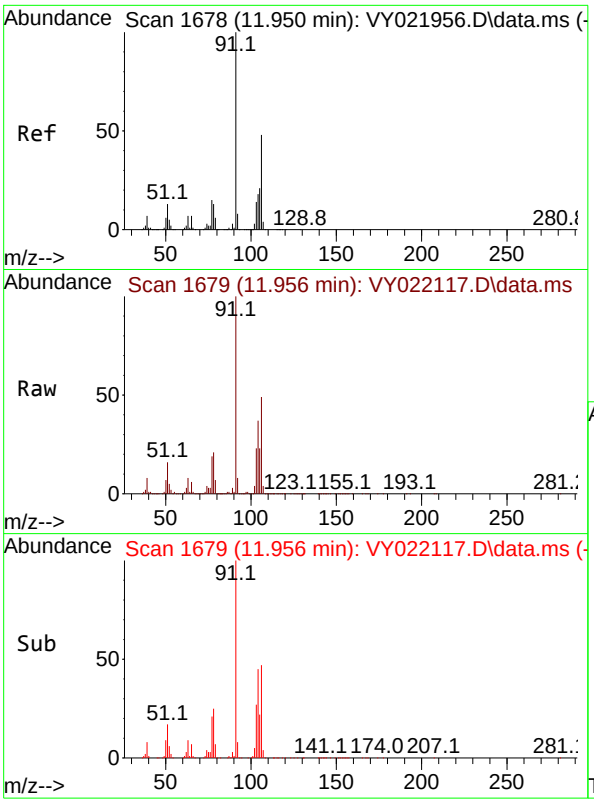


#68
m/p-Xylenes
Concen: 110.666 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:106 Resp: 1127340

Ion	Ratio	Lower	Upper
106	100		
91	193.4	156.2	234.2

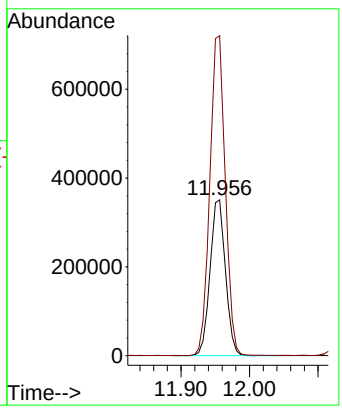




#69
o-Xylene
Concen: 58.218 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:106 Resp: 54661

Ion	Ratio	Lower	Upper
106	100		
91	206.2	103.0	308.9



Instrument :
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ClientSampleId :
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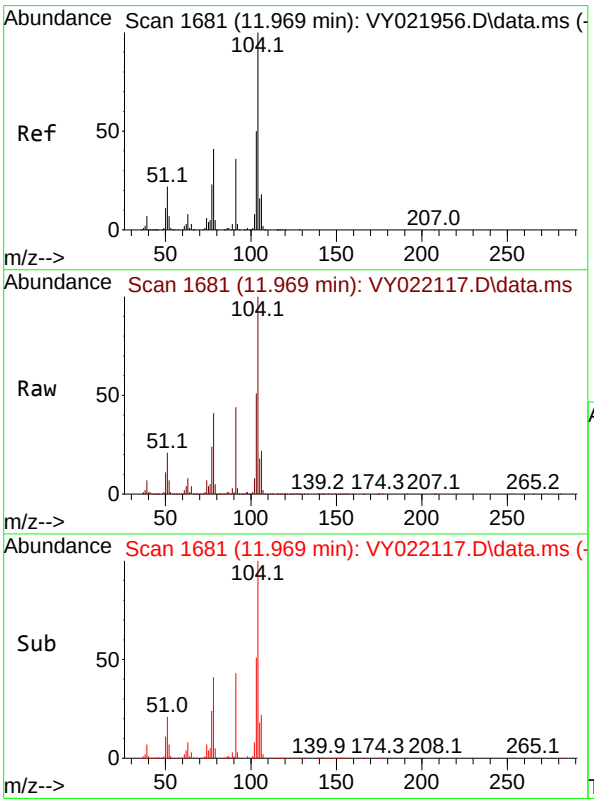
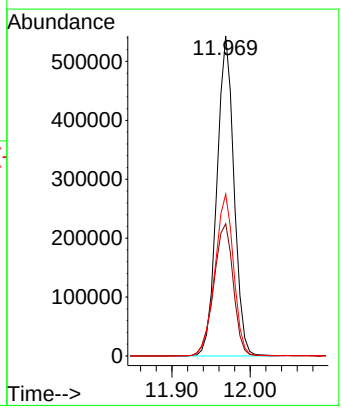
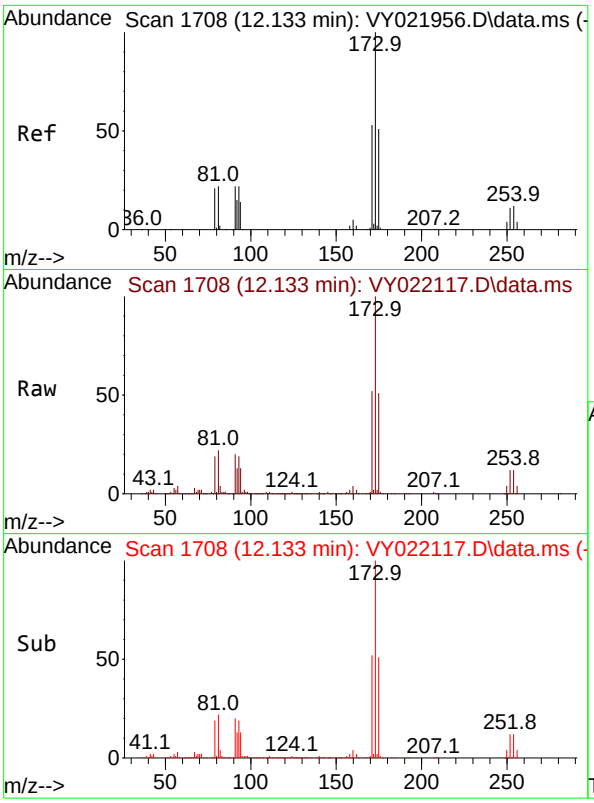


#70
Styrene
Concen: 52.252 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:104 Resp: 823742

Ion	Ratio	Lower	Upper
104	100		
78	47.2	36.6	54.8
103	55.4	43.8	65.8

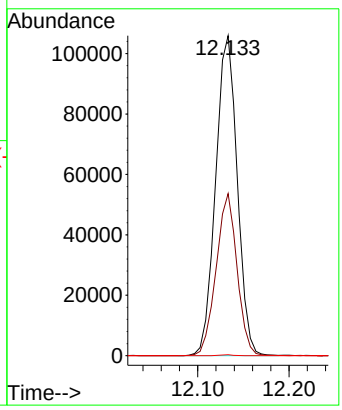




#71
Bromoform
Concen: 54.295 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:173 Resp: 17391

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.2	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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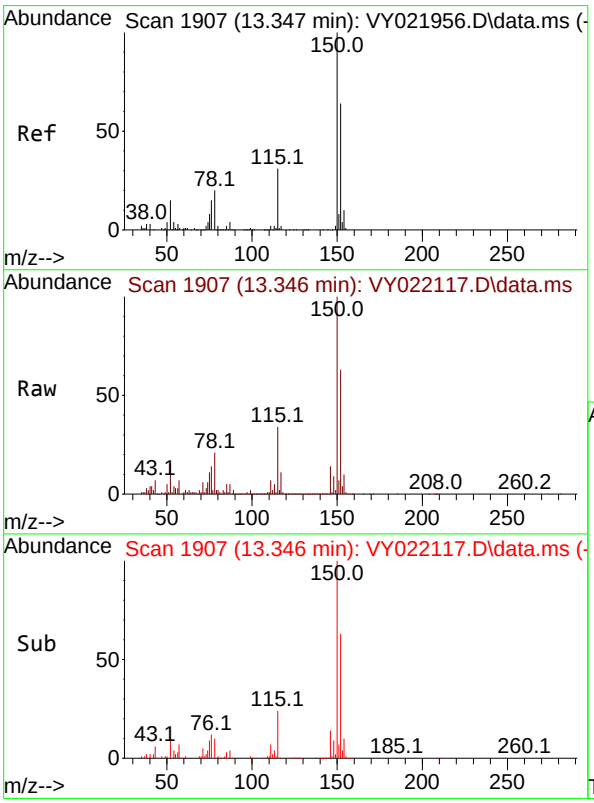
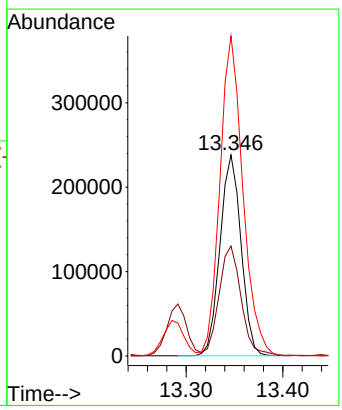
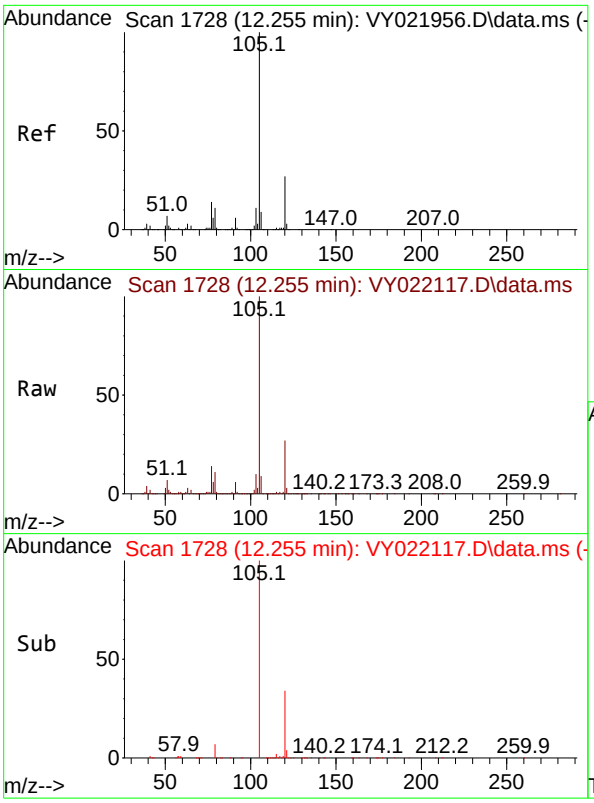


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:152 Resp: 359809

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	173.7	0.0	345.6

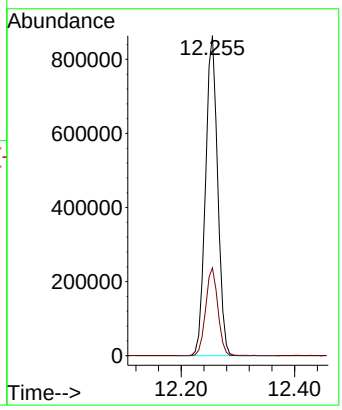




#73
Isopropylbenzene
Concen: 53.304 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:105 Resp: 128138

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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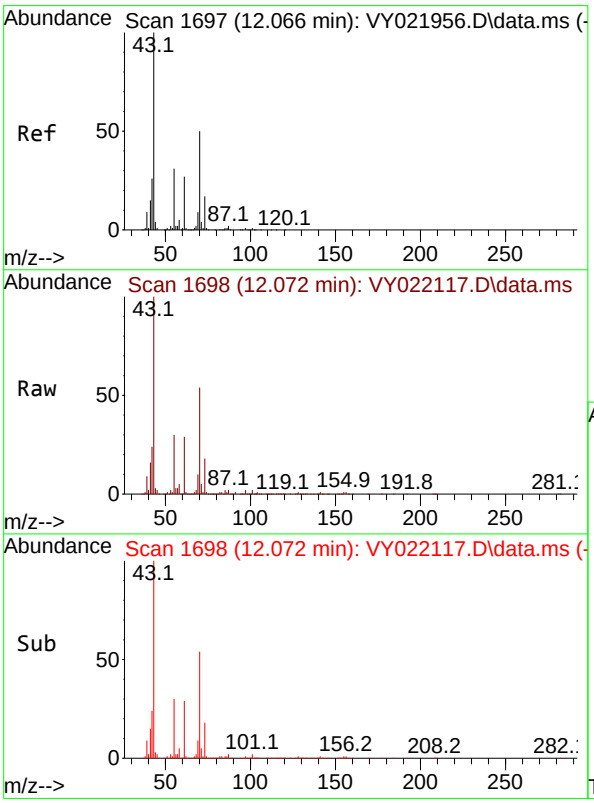
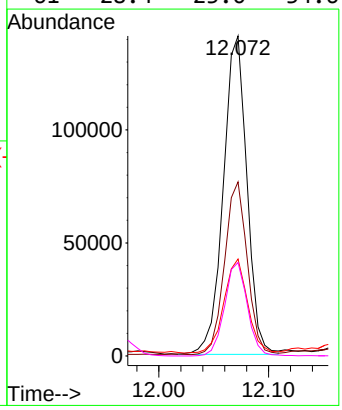
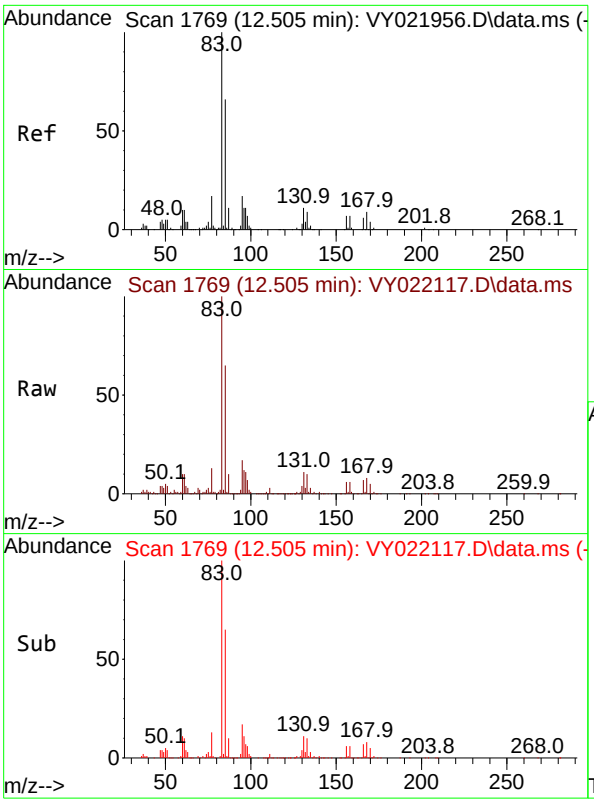


#74
N-amyl acetate
Concen: 51.175 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 211359

Ion	Ratio	Lower	Upper
43	100		
70	52.1	43.2	64.8
55	29.7	25.7	38.5
61	28.4	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 49.390 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 83 Resp: 20017

Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.5	16.4
85	65.0	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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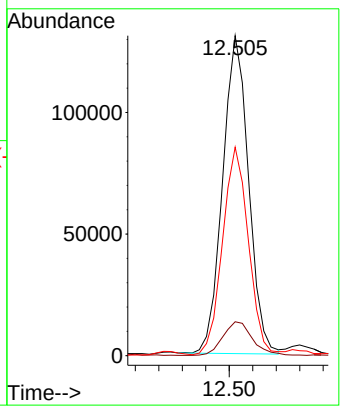
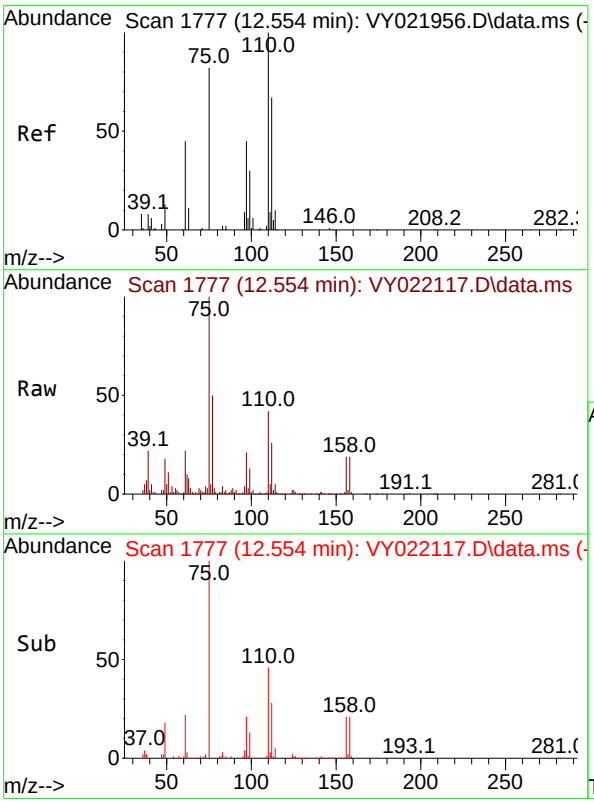
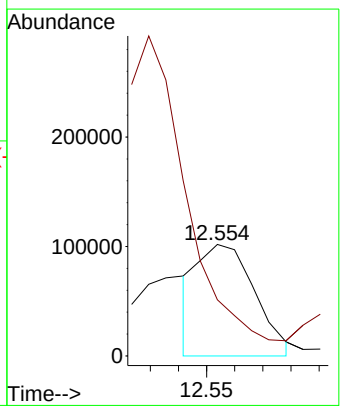


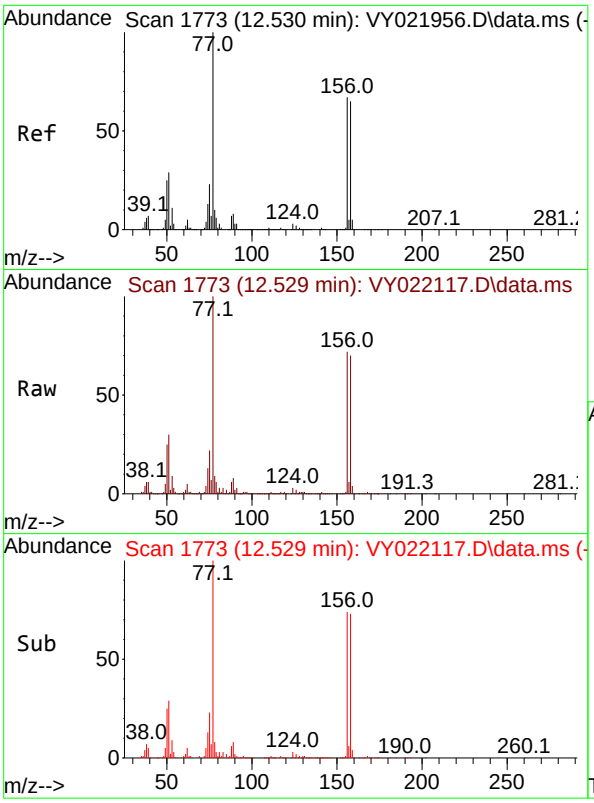


#76
1,2,3-Trichloropropane
Concen: 46.943 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 144676

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

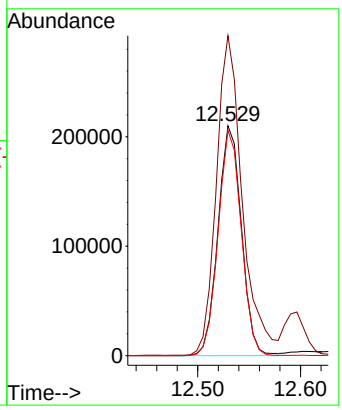




#77
Bromobenzene
Concen: 54.761 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:156 Resp: 33263

Ion	Ratio	Lower	Upper
156	100		
77	154.0	82.7	248.1
158	96.5	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
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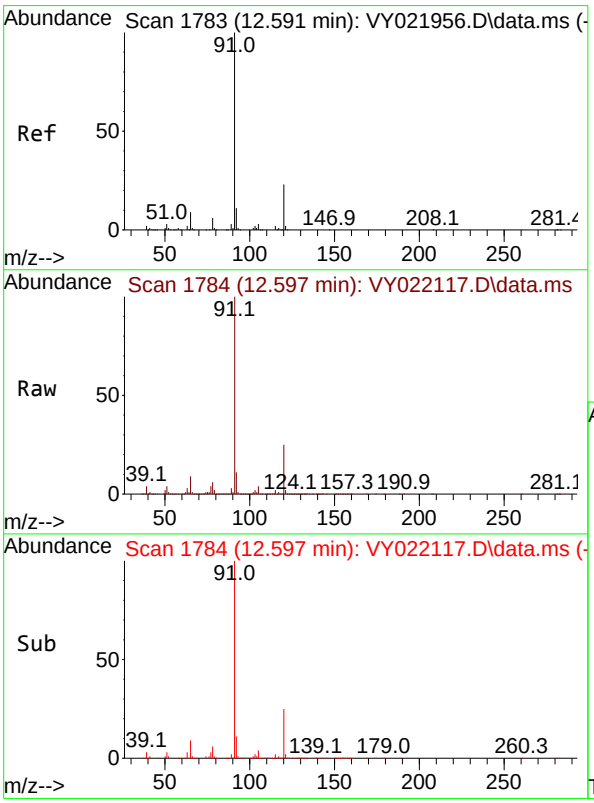
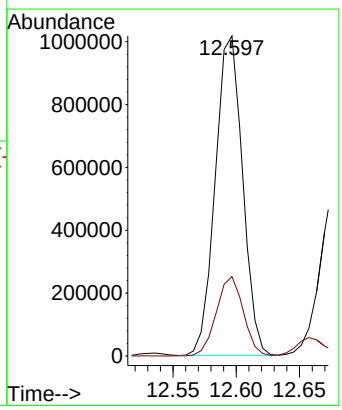
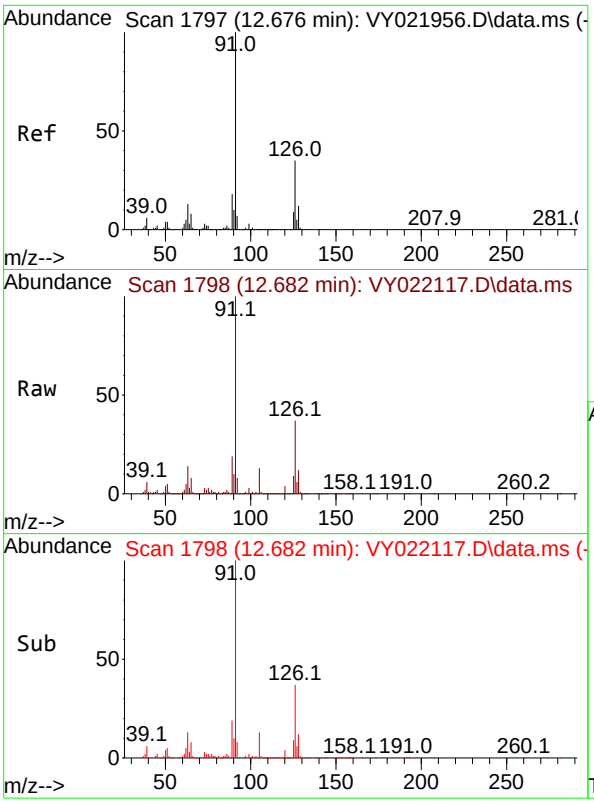


#78
n-propylbenzene
Concen: 53.341 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 91 Resp: 1527021

Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.5

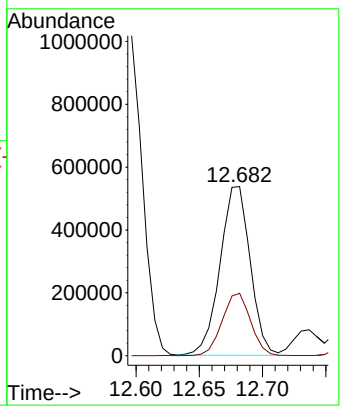




#79
2-Chlorotoluene
Concen: 53.716 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 91 Resp: 89430

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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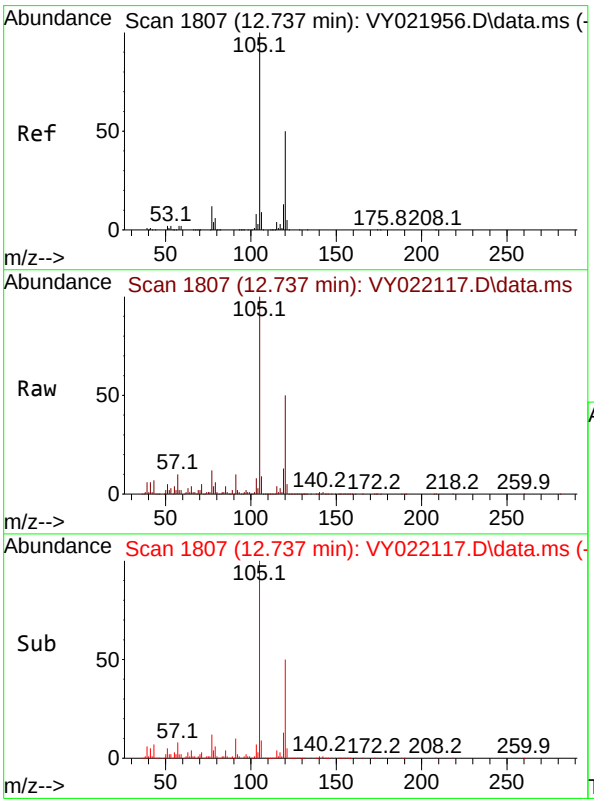
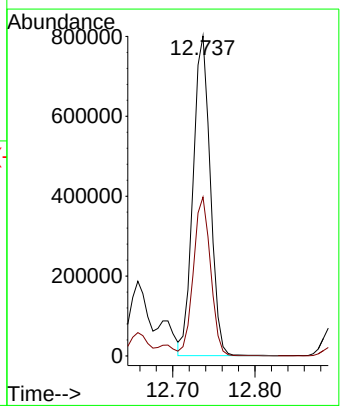
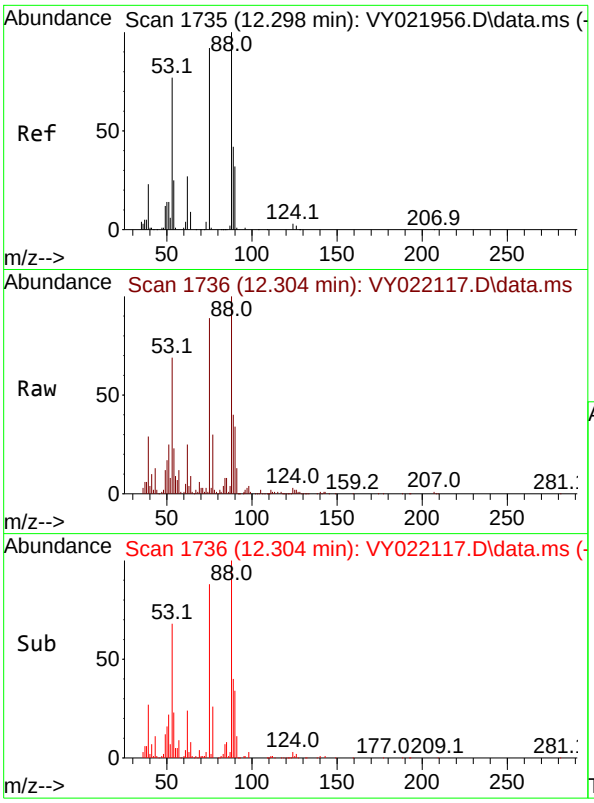


#80
1,3,5-Trimethylbenzene
Concen: 58.524 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:105 Resp: 1159172

Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 48.326 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 6184

Ion	Ratio	Lower	Upper
75	100		
53	80.8	66.0	99.0
89	48.9	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
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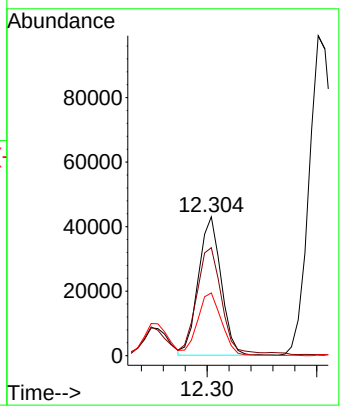
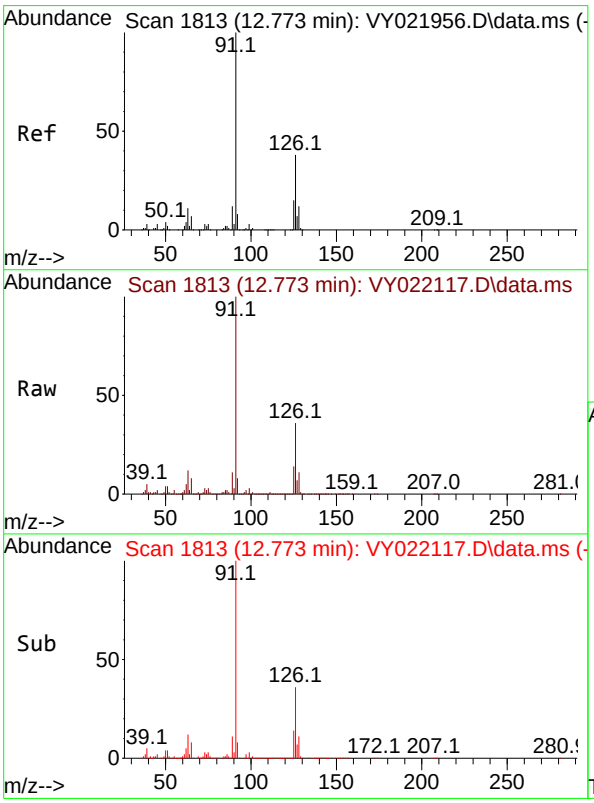
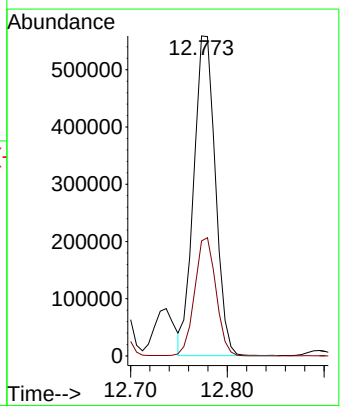


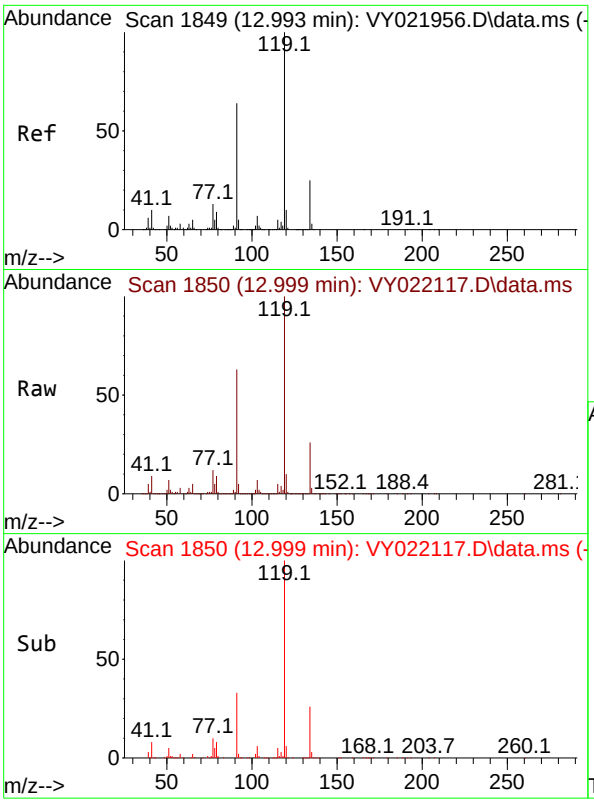


#82
4-Chlorotoluene
Concen: 50.246 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 91 Resp: 869601

Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.9	53.8

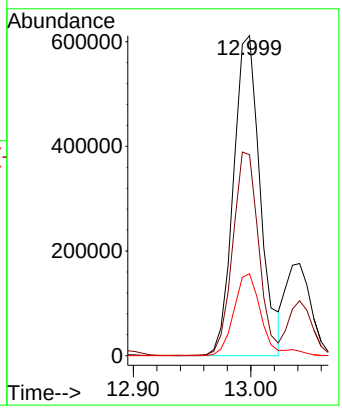




#83
tert-Butylbenzene
Concen: 54.424 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:119 Resp: 96676

Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.3	90.9
134	26.5	12.9	38.7



Instrument :
MSVOA_Y
ClientSampleId :
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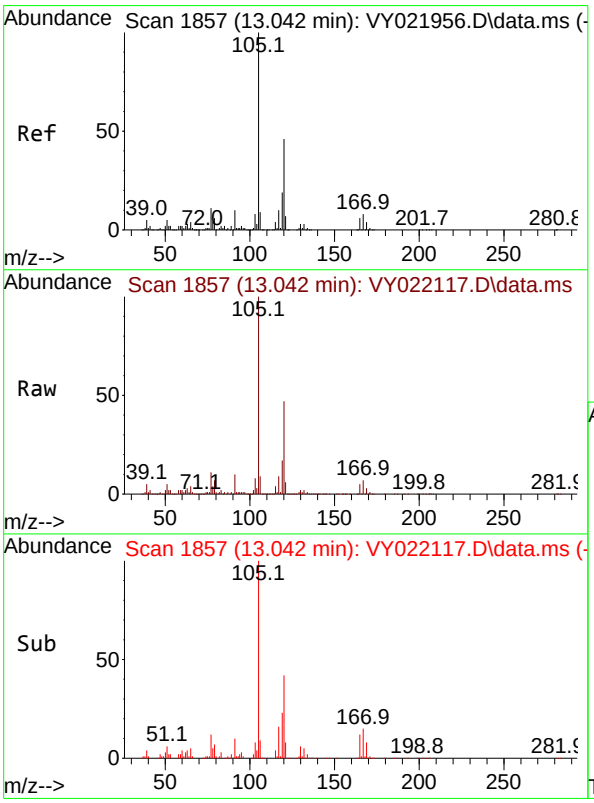
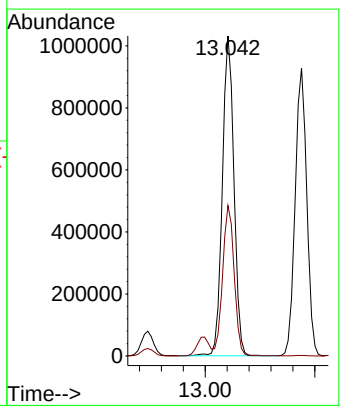
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

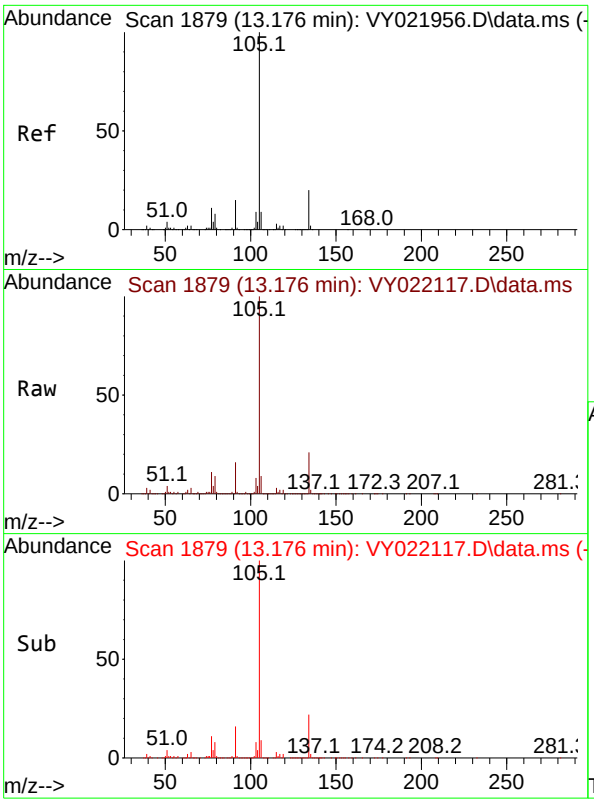


#84
1,2,4-Trimethylbenzene
Concen: 76.710 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:105 Resp: 1519729

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.0





#85
sec-Butylbenzene
Concen: 51.976 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

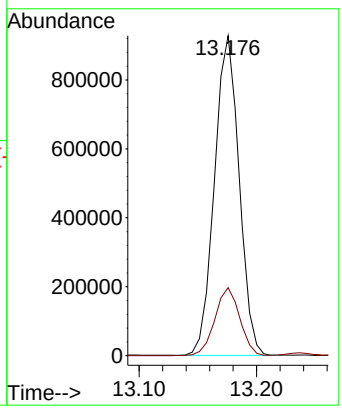
Tgt Ion:105 Resp: 135106

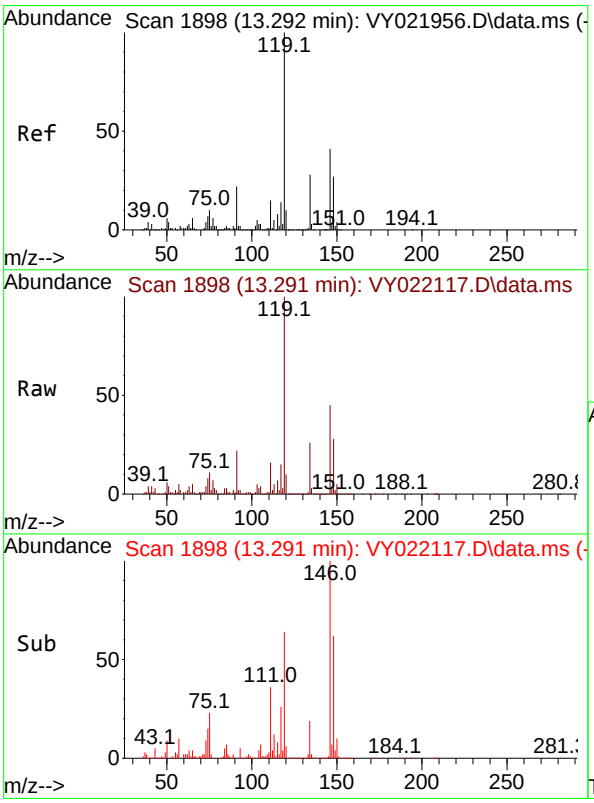
Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

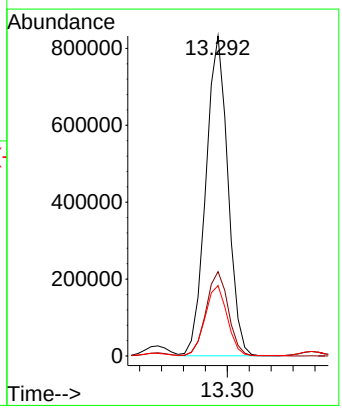


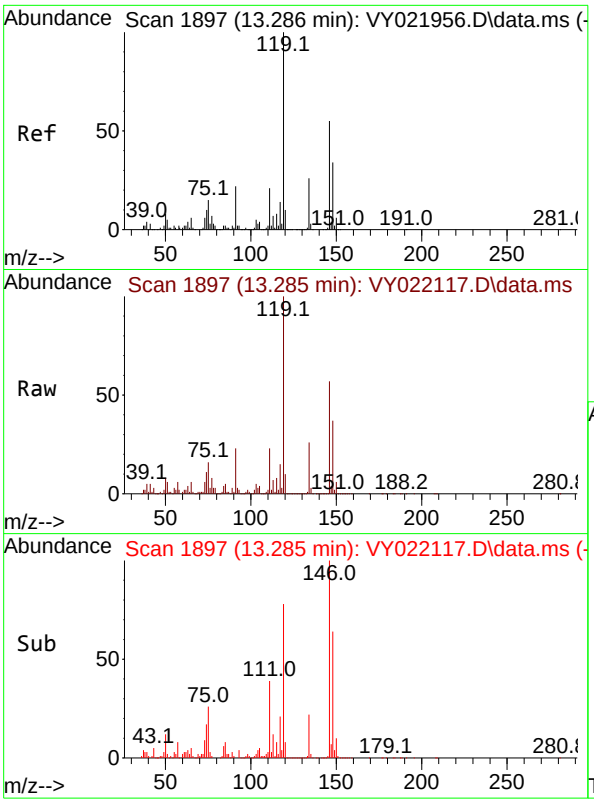


#86
p-Isopropyltoluene
Concen: 52.554 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:119 Resp: 1160013

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.6	40.7
91	22.0	11.0	33.0

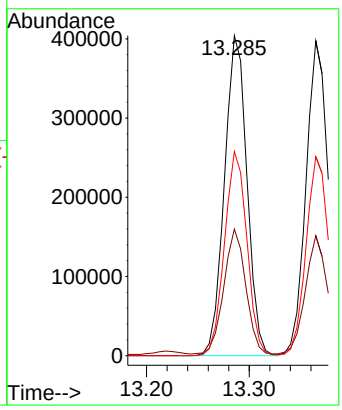




#87
1,3-Dichlorobenzene
Concen: 49.868 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:146 Resp: 61522

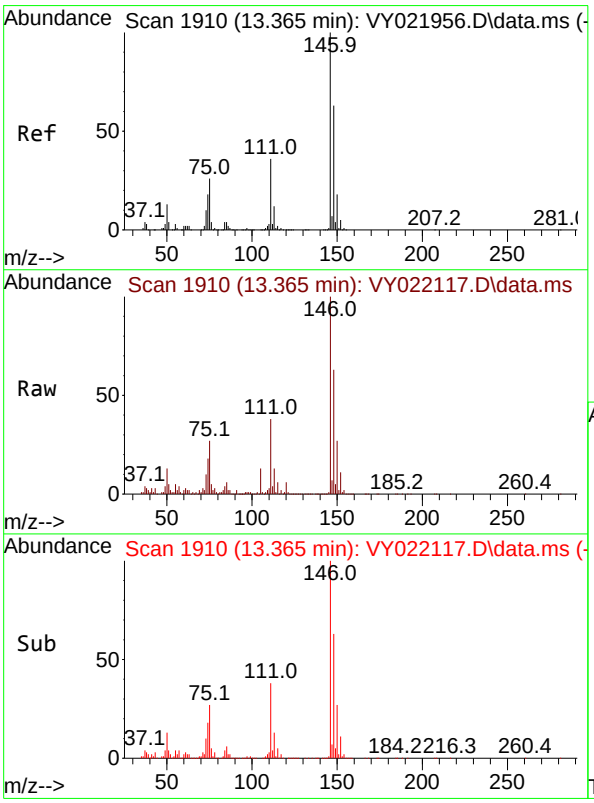
Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.5	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

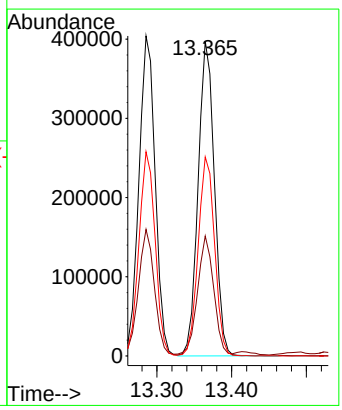
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

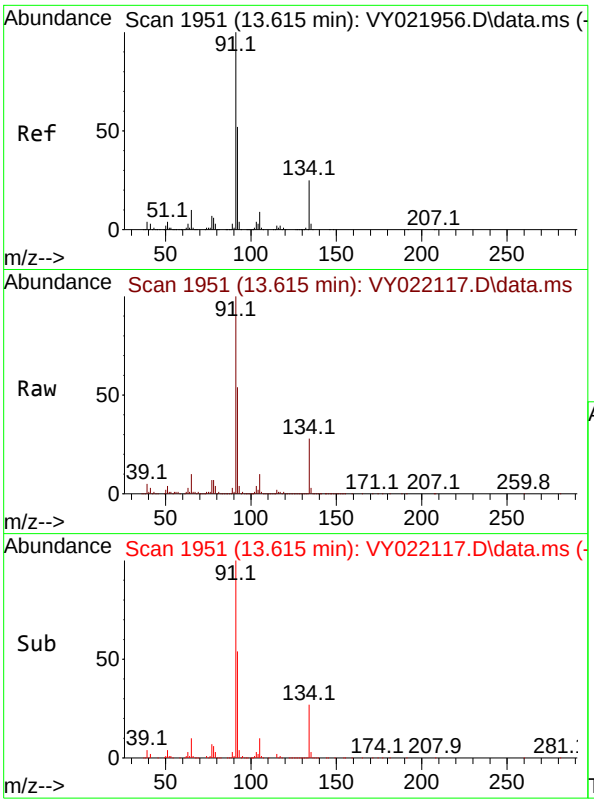


#88
1,4-Dichlorobenzene
Concen: 49.168 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:146 Resp: 600771

Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.2	57.6
148	63.9	32.0	96.0

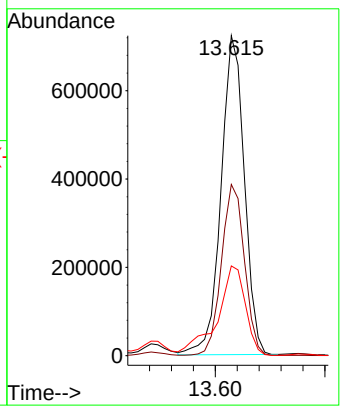




#89
n-Butylbenzene
Concen: 54.024 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 91 Resp: 106586

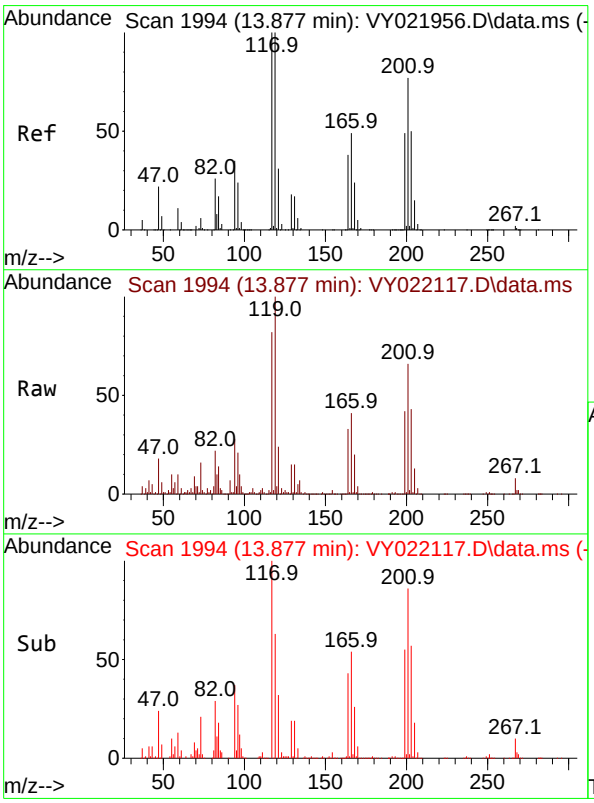
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	33.9	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

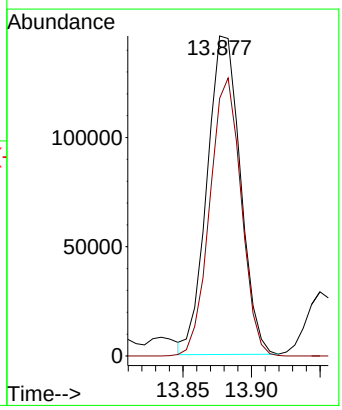
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

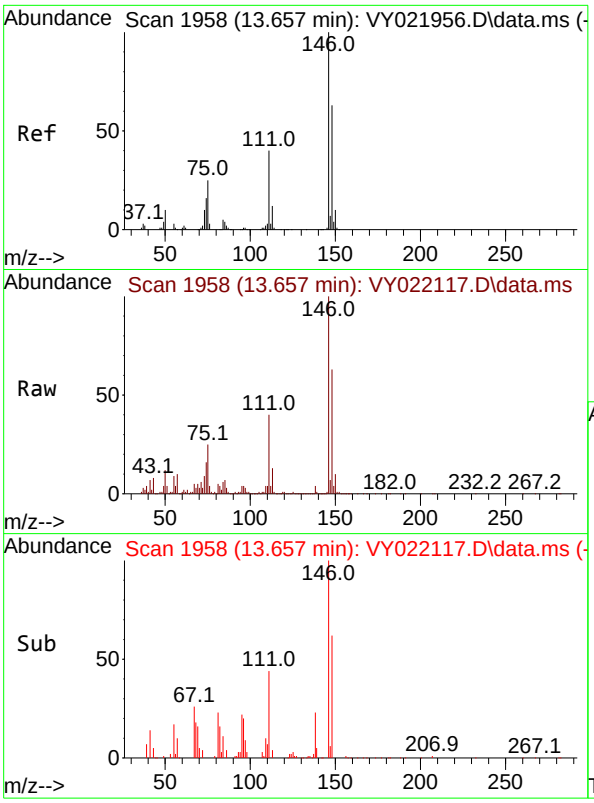


#90
Hexachloroethane
Concen: 50.895 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:117 Resp: 246817

Ion	Ratio	Lower	Upper
117	100		
201	82.1	38.7	116.1

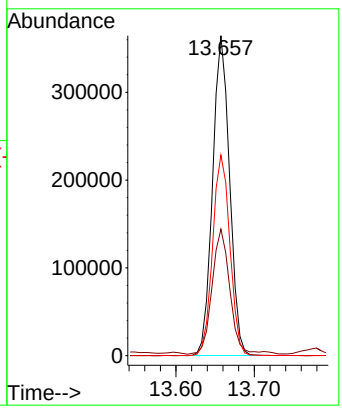




#91
1,2-Dichlorobenzene
Concen: 50.989 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:146 Resp: 54866

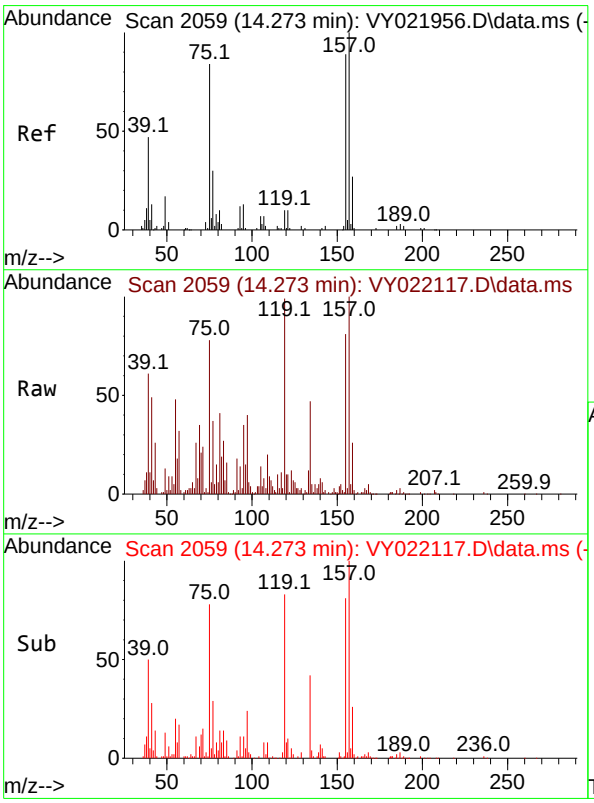
Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	63.9	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

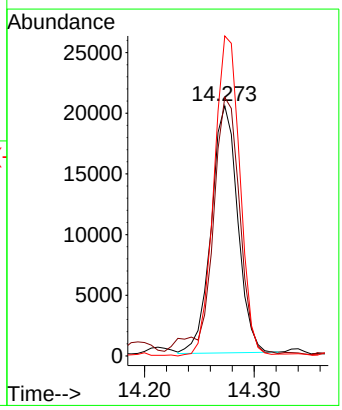
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

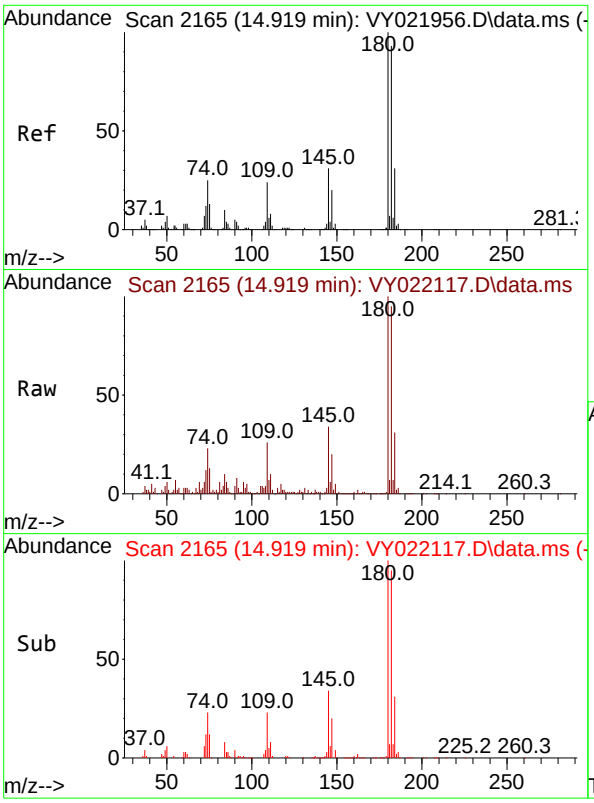


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.862 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 34086

Ion	Ratio	Lower	Upper
75	100		
155	105.9	50.7	152.3
157	127.3	62.6	187.8

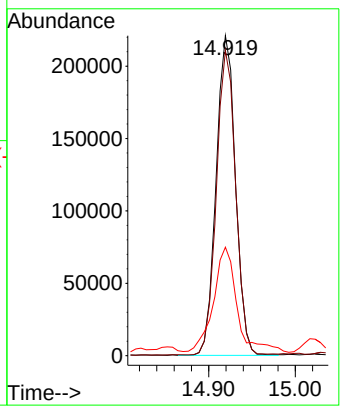




#93
1,2,4-Trichlorobenzene
Concen: 56.392 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:180 Resp: 34385

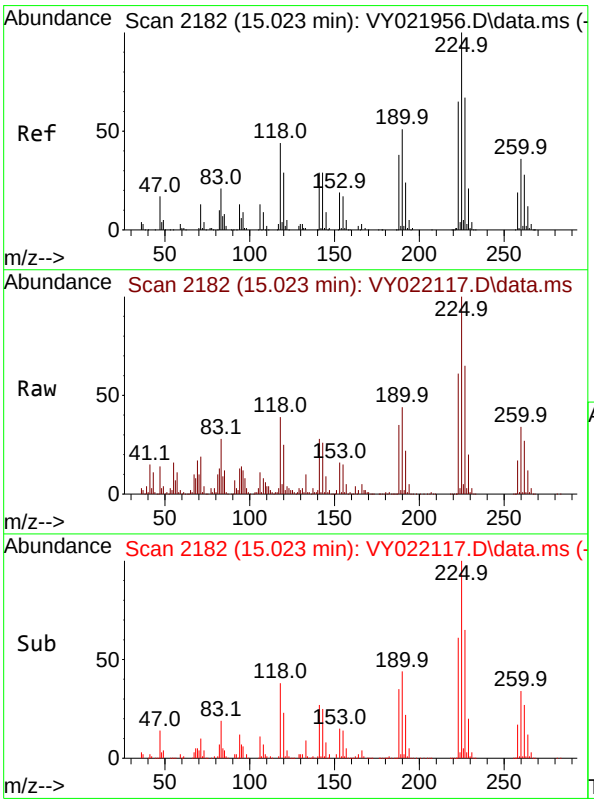
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.4
145	44.1	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

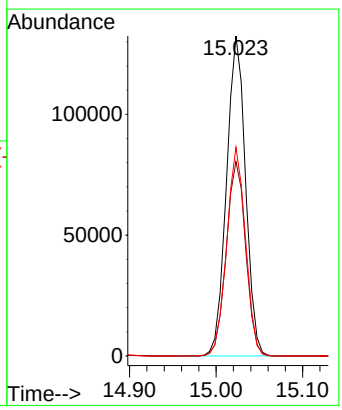
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

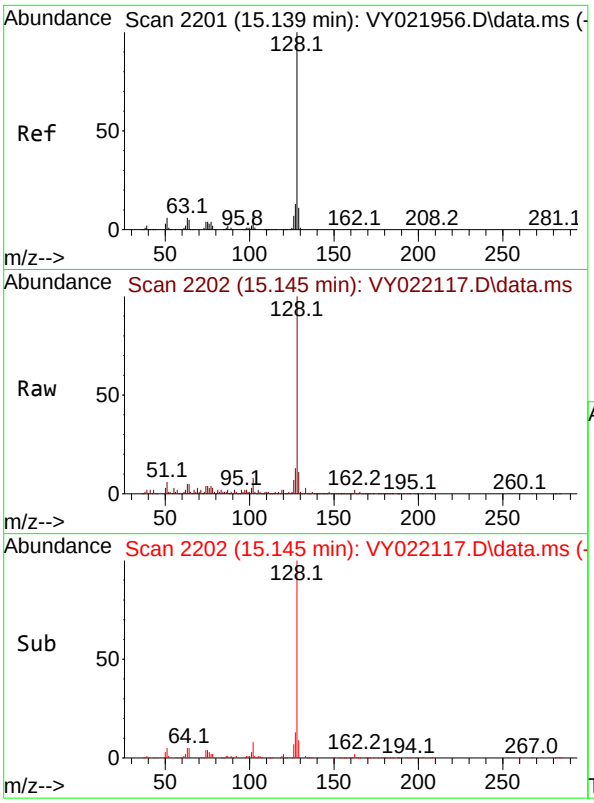


#94
Hexachlorobutadiene
Concen: 53.804 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:225 Resp: 201855

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.5
227	64.3	32.3	96.9

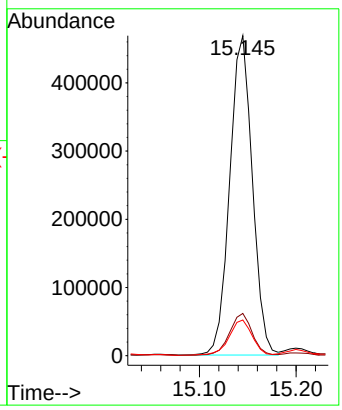




#95
Naphthalene
Concen: 75.318 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:128 Resp: 76291

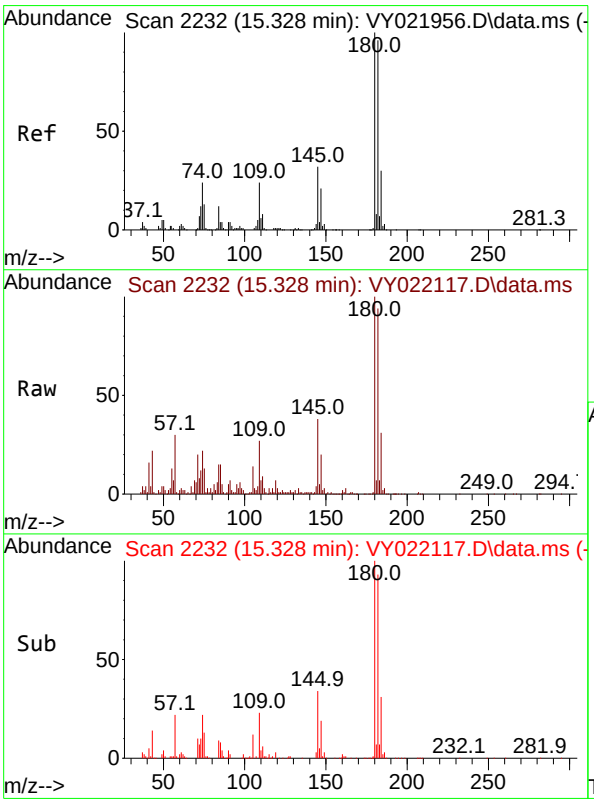
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.2	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

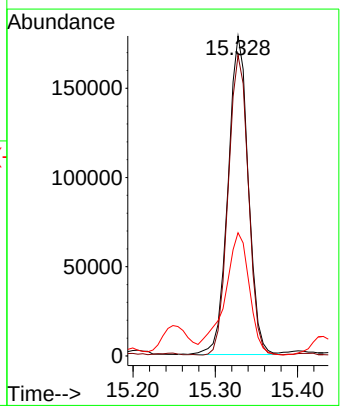
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 58.297 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:180 Resp: 306850

Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.1	144.4
145	47.4	16.0	48.0



Evaluate Continuing Calibration Report

Sample Results: **VY022117.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	162#	0.00
2	T	Dichlorodifluoromethane	0.426	0.394	7.5	163#	0.00
3	P	Chloromethane	0.607	0.472	22.2	127	0.00
4	C	Vinyl Chloride	0.745	0.569	23.6#	126	0.00
5	T	Bromomethane	0.642	0.455	29.1#	124	0.00
6	T	Chloroethane	0.508	0.380	25.2#	125	0.00
7	T	Trichlorofluoromethane	0.983	0.867	11.8	147	0.00
8	T	Diethyl Ether	0.256	0.262	-2.3	172#	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.494	7.3	164#	0.00
10	T	Methyl Iodide	0.617	0.703	-13.9	181#	0.00
11	T	Tert butyl alcohol	0.025	0.028	-12.0	176#	0.00
12	CM	1,1-Dichloroethene	0.497	0.495	0.4#	170#	0.00
13	T	Acrolein	0.046	0.027	41.3#	105	0.00
14	T	Allyl chloride	0.579	0.565	2.4	165#	0.00
15	T	Acrylonitrile	0.094	0.091	3.2	158#	0.00
16	T	Acetone	0.070	0.062	11.4	159#	0.00
17	T	Carbon Disulfide	1.585	1.414	10.8	154#	0.00
18	T	Methyl Acetate	0.216	0.330	-52.8#	240#	0.00
19	T	Methyl tert-butyl Ether	1.113	1.209	-8.6	173#	0.00
20	T	Methylene Chloride	0.584	0.534	8.6	162#	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.535	3.9	163#	0.00
22	T	Diisopropyl ether	1.288	1.265	1.8	159#	0.00
23	T	Vinyl Acetate	0.694	0.618	11.0	140	0.00
24	P	1,1-Dichloroethane	0.893	0.849	4.9	162#	0.00
25	T	2-Butanone	0.105	0.100	4.8	153#	0.00
26	T	2,2-Dichloropropane	0.782	0.692	11.5	151#	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.621	0.2	165#	0.00
28	T	Bromochloromethane	0.347	0.303	12.7	143	0.00
29	T	Tetrahydrofuran	0.068	0.067	1.5	148	0.00
30	C	Chloroform	0.990	0.948	4.2#	161#	0.00
31	T	Cyclohexane	0.763	0.649	14.9	149	0.00
32	T	1,1,1-Trichloroethane	0.896	0.855	4.6	163#	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.424	8.2	148	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	158#	0.00
35	S	Dibromofluoromethane	0.330	0.326	1.2	156#	0.00
36	T	1,1-Dichloropropene	0.444	0.410	7.7	152#	0.00
37	T	Ethyl Acetate	0.159	0.150	5.7	147	0.00
38	T	Carbon Tetrachloride	0.530	0.514	3.0	160#	0.00
39	T	Methylcyclohexane	0.558	0.524	6.1	150#	0.00
40	TM	Benzene	1.387	1.329	4.2	157#	0.00
41	T	Methacrylonitrile	0.087	0.091	-4.6	156#	-0.01
42	TM	1,2-Dichloroethane	0.343	0.331	3.5	156#	0.00
43	T	Isopropyl Acetate	0.306	0.304	0.7	154#	0.00
44	TM	Trichloroethene	0.384	0.382	0.5	164#	0.00
45	C	1,2-Dichloropropane	0.307	0.287	6.5#	151#	0.00
46	T	Dibromomethane	0.192	0.186	3.1	156#	0.00
47	T	Bromodichloromethane	0.480	0.471	1.9	158#	0.00
48	T	Methyl methacrylate	0.141	0.145	-2.8	153#	0.00

Sample Results: **VY022117.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	156#	0.00
50	S	Toluene-d8	1.245	1.182	5.1	146	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.161	-0.6	148	0.00
52	CM	Toluene	0.898	0.877	2.3#	155#	0.00
53	T	t-1,3-Dichloropropene	0.411	0.401	2.4	151#	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.470	3.9	153#	0.00
55	T	1,1,2-Trichloroethane	0.256	0.253	1.2	156#	0.00
56	T	Ethyl methacrylate	0.293	0.311	-6.1	155#	0.00
57	T	1,3-Dichloropropane	0.411	0.399	2.9	154#	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.152	-6.3	149	0.00
59	T	2-Hexanone	0.106	0.108	-1.9	148	0.00
60	T	Dibromochloromethane	0.355	0.354	0.3	158#	0.00
61	T	1,2-Dibromoethane	0.242	0.247	-2.1	161#	0.00
62	S	4-Bromofluorobenzene	0.419	0.417	0.5	154#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	153#	0.00
64	T	Tetrachloroethene	0.472	0.480	-1.7	161#	0.00
65	PM	Chlorobenzene	1.118	1.110	0.7	156#	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.403	-2.3	159#	0.00
67	C	Ethyl Benzene	1.829	1.922	-5.1#	160#	0.00
68	T	m/p-Xylenes	0.728	0.805	-10.6	167#	0.00
69	T	o-Xylene	0.671	0.781	-16.4	173#	0.00
70	T	Styrene	1.126	1.177	-4.5	154#	0.00
71	P	Bromoform	0.229	0.249	-8.7	165#	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	146	0.00
73	T	Isopropylbenzene	3.341	3.561	-6.6	157#	0.00
74	T	N-amyl acetate	0.574	0.587	-2.3	145	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.556	1.2	148	0.00
76	T	1,2,3-Trichloropropane	0.428	0.402	6.1	145	0.00
77	T	Bromobenzene	0.844	0.924	-9.5	163#	0.00
78	T	n-propylbenzene	3.978	4.244	-6.7	156#	0.00
79	T	2-Chlorotoluene	2.314	2.485	-7.4	159#	0.00
80	T	1,3,5-Trimethylbenzene	2.752	3.222	-17.1	168#	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.172	3.4	142	0.00
82	T	4-Chlorotoluene	2.405	2.417	-0.5	149	0.00
83	T	tert-Butylbenzene	2.468	2.687	-8.9	158#	0.00
84	T	1,2,4-Trimethylbenzene	2.753	4.224	-53.4#	222#	0.00
85	T	sec-Butylbenzene	3.612	3.755	-4.0	153#	0.00
86	T	p-Isopropyltoluene	3.067	3.224	-5.1	152#	0.00
87	T	1,3-Dichlorobenzene	1.714	1.710	0.2	152#	0.00
88	T	1,4-Dichlorobenzene	1.698	1.670	1.6	151#	0.00
89	T	n-Butylbenzene	2.742	2.962	-8.0	158#	0.00
90	T	Hexachloroethane	0.674	0.686	-1.8	157#	0.00
91	T	1,2-Dichlorobenzene	1.495	1.525	-2.0	154#	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.095	-5.6	165#	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.956	-12.9	170#	0.00
94	T	Hexachlorobutadiene	0.521	0.561	-7.7	171#	0.00
95	T	Naphthalene	1.408	2.120	-50.6#	216#	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.853	-16.7	177#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VY022117.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	162	0.00
2	T	Dichlorodifluoromethane	50.000	46.216	7.6	163	0.00
3	P	Chloromethane	50.000	38.913	22.2	127	0.00
4	C	Vinyl Chloride	50.000	38.138	23.7#	126	0.00
5	T	Bromomethane	50.000	35.401	29.2#	124	0.00
6	T	Chloroethane	50.000	37.464	25.1#	125	0.00
7	T	Trichlorofluoromethane	50.000	44.115	11.8	147	0.00
8	T	Diethyl Ether	50.000	51.237	-2.5	172	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.298	7.4	164	0.00
10	T	Methyl Iodide	50.000	56.932	-13.9	181	0.00
11	T	Tert butyl alcohol	250.000	280.001	-12.0	176	0.00
12	CM	1,1-Dichloroethene	50.000	49.799	0.4#	170	0.00
13	T	Acrolein	250.000	150.711	39.7#	105	0.00
14	T	Allyl chloride	50.000	48.790	2.4	165	0.00
15	T	Acrylonitrile	250.000	243.537	2.6	158	0.00
16	T	Acetone	250.000	256.915	-2.8	159	0.00
17	T	Carbon Disulfide	50.000	44.605	10.8	154	0.00
18	T	Methyl Acetate	50.000	76.576	-53.2#	240	0.00
19	T	Methyl tert-butyl Ether	50.000	54.345	-8.7	173	0.00
20	T	Methylene Chloride	50.000	45.737	8.5	162	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.062	3.9	163	0.00
22	T	Diisopropyl ether	50.000	49.111	1.8	159	0.00
23	T	Vinyl Acetate	250.000	222.703	10.9	140	0.00
24	P	1,1-Dichloroethane	50.000	47.559	4.9	162	0.00
25	T	2-Butanone	250.000	236.741	5.3	153	0.00
26	T	2,2-Dichloropropane	50.000	44.248	11.5	151	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.858	0.3	165	0.00
28	T	Bromochloromethane	50.000	43.649	12.7	143	0.00
29	T	Tetrahydrofuran	250.000	243.773	2.5	148	0.00
30	C	Chloroform	50.000	47.854	4.3#	161	0.00
31	T	Cyclohexane	50.000	42.487	15.0	149	0.00
32	T	1,1,1-Trichloroethane	50.000	47.728	4.5	163	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.904	8.2	148	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	158	0.00
35	S	Dibromofluoromethane	50.000	49.326	1.3	156	0.00
36	T	1,1-Dichloropropene	50.000	46.228	7.5	152	0.00
37	T	Ethyl Acetate	50.000	47.048	5.9	147	0.00
38	T	Carbon Tetrachloride	50.000	48.498	3.0	160	0.00
39	T	Methylcyclohexane	50.000	46.900	6.2	150	0.00
40	TM	Benzene	50.000	47.922	4.2	157	0.00
41	T	Methacrylonitrile	50.000	52.167	-4.3	156	-0.01
42	TM	1,2-Dichloroethane	50.000	48.211	3.6	156	0.00
43	T	Isopropyl Acetate	50.000	49.718	0.6	154	0.00
44	TM	Trichloroethene	50.000	49.676	0.6	164	0.00
45	C	1,2-Dichloropropane	50.000	46.838	6.3#	151	0.00
46	T	Dibromomethane	50.000	48.316	3.4	156	0.00
47	T	Bromodichloromethane	50.000	49.076	1.8	158	0.00
48	T	Methyl methacrylate	50.000	51.420	-2.8	153	0.00

Sample Results: **VY022117.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	983.083	1.7	156	0.00
50	S	Toluene-d8	50.000	47.459	5.1	146	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.616	-0.6	148	0.00
52	CM	Toluene	50.000	48.855	2.3#	155	0.00
53	T	t-1,3-Dichloropropene	50.000	48.687	2.6	151	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.026	3.9	153	0.00
55	T	1,1,2-Trichloroethane	50.000	49.394	1.2	156	0.00
56	T	Ethyl methacrylate	50.000	53.079	-6.2	155	0.00
57	T	1,3-Dichloropropane	50.000	48.460	3.1	154	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	264.249	-5.7	149	0.00
59	T	2-Hexanone	250.000	255.220	-2.1	148	0.00
60	T	Dibromochloromethane	50.000	49.834	0.3	158	0.00
61	T	1,2-Dibromoethane	50.000	50.932	-1.9	161	0.00
62	S	4-Bromofluorobenzene	50.000	49.712	0.6	154	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	153	0.00
64	T	Tetrachloroethene	50.000	50.834	-1.7	161	0.00
65	PM	Chlorobenzene	50.000	49.658	0.7	156	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.163	-2.3	159	0.00
67	C	Ethyl Benzene	50.000	52.548	-5.1#	160	0.00
68	T	m/p-Xylenes	100.000	110.666	-10.7	167	0.00
69	T	o-Xylene	50.000	58.218	-16.4	173	0.00
70	T	Styrene	50.000	52.252	-4.5	154	0.00
71	P	Bromoform	50.000	54.295	-8.6	165	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	146	0.00
73	T	Isopropylbenzene	50.000	53.304	-6.6	157	0.00
74	T	N-amyl acetate	50.000	51.175	-2.3	145	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.390	1.2	148	0.00
76	T	1,2,3-Trichloropropane	50.000	46.943	6.1	145	0.00
77	T	Bromobenzene	50.000	54.761	-9.5	163	0.00
78	T	n-propylbenzene	50.000	53.341	-6.7	156	0.00
79	T	2-Chlorotoluene	50.000	53.716	-7.4	159	0.00
80	T	1,3,5-Trimethylbenzene	50.000	58.524	-17.0	168	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.326	3.3	142	0.00
82	T	4-Chlorotoluene	50.000	50.246	-0.5	149	0.00
83	T	tert-Butylbenzene	50.000	54.424	-8.8	158	0.00
84	T	1,2,4-Trimethylbenzene	50.000	76.710	-53.4#	222	0.00
85	T	sec-Butylbenzene	50.000	51.976	-4.0	153	0.00
86	T	p-Isopropyltoluene	50.000	52.554	-5.1	152	0.00
87	T	1,3-Dichlorobenzene	50.000	49.868	0.3	152	0.00
88	T	1,4-Dichlorobenzene	50.000	49.168	1.7	151	0.00
89	T	n-Butylbenzene	50.000	54.024	-8.0	158	0.00
90	T	Hexachloroethane	50.000	50.895	-1.8	157	0.00
91	T	1,2-Dichlorobenzene	50.000	50.989	-2.0	154	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.862	-5.7	165	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.392	-12.8	170	0.00
94	T	Hexachlorobutadiene	50.000	53.804	-7.6	171	0.00
95	T	Naphthalene	50.000	75.318	-50.6#	216	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	58.297	-16.6	177	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022145.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.374		-12.21	20
Chloromethane	0.607	0.536	0.1	-11.7	20
Vinyl Chloride	0.745	0.684		-8.19	20
Bromomethane	0.642	0.532		-17.13	20
Chloroethane	0.508	0.446		-12.2	20
Tetrahydrofuran	0.068	0.067		-1.47	20
Trichlorofluoromethane	0.983	0.903		-8.14	20
1,1,2-Trichlorotrifluoroethane	0.533	0.505		-5.25	20
1,1-Dichloroethene	0.497	0.473		-4.83	20
Acrylonitrile	0.094	0.088		-6.38	20
Acetone	0.070	0.062		-11.43	20
Carbon Disulfide	1.585	1.404		-11.42	20
Methyl tert-butyl Ether	1.113	1.109		-0.36	20
Methylene Chloride	0.584	0.533		-8.73	20
trans-1,2-Dichloroethene	0.557	0.529		-5.03	20
1,1-Dichloroethane	0.893	0.855	0.1	-4.26	20
2-Butanone	0.105	0.100		-4.76	20
Carbon Tetrachloride	0.530	0.540		1.89	20
2,2-Dichloropropane	0.782	0.789		0.89	20
cis-1,2-Dichloroethene	0.622	0.610		-1.93	20
Chloroform	0.990	0.967		-2.32	20
1,1,1-Trichloroethane	0.896	0.869		-3.01	20
1,1-Dichloropropene	0.444	0.447		0.68	20
Benzene	1.387	1.389		0.14	20
1,2-Dichloroethane	0.343	0.354		3.21	20
Trichloroethene	0.384	0.384		0	20
1,2-Dichloropropane	0.307	0.314		2.28	20
Dibromomethane	0.192	0.193		0.52	20
Bromodichloromethane	0.480	0.492		2.5	20
4-Methyl-2-Pentanone	0.160	0.170		6.25	20
Toluene	0.898	0.933		3.9	20
t-1,3-Dichloropropene	0.411	0.427		3.89	20
cis-1,3-Dichloropropene	0.489	0.505		3.27	20
1,1,2-Trichloroethane	0.256	0.265		3.52	20
1,3-Dichloropropane	0.411	0.421		2.43	20
2-Hexanone	0.106	0.113		6.6	20
Dibromochloromethane	0.355	0.363		2.25	20
1,2-Dibromoethane	0.242	0.251		3.72	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022145.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.493		4.45	20
Chlorobenzene	1.118	1.132	0.3	1.25	20
1,1,1,2-Tetrachloroethane	0.394	0.398		1.01	20
Ethyl Benzene	1.829	1.898		3.77	20
m/p-Xylenes	0.728	0.757		3.98	20
o-Xylene	0.671	0.703		4.77	20
Styrene	1.126	1.201		6.66	20
Bromoform	0.229	0.228	0.1	-0.44	20
Isopropylbenzene	3.341	3.491		4.49	20
1,1,2,2-Tetrachloroethane	0.563	0.550	0.3	-2.31	20
1,2,3-Trichloropropane	0.428	0.437		2.1	20
Bromobenzene	0.844	0.862		2.13	20
n-propylbenzene	3.978	4.189		5.3	20
2-Chlorotoluene	2.314	2.382		2.94	20
1,3,5-Trimethylbenzene	2.752	2.903		5.49	20
4-Chlorotoluene	2.405	2.497		3.83	20
tert-Butylbenzene	2.469	2.578		4.41	20
1,2,4-Trimethylbenzene	2.753	2.902		5.41	20
sec-Butylbenzene	3.612	3.805		5.34	20
p-Isopropyltoluene	3.067	3.218		4.92	20
1,3-Dichlorobenzene	1.714	1.696		-1.05	20
1,4-Dichlorobenzene	1.698	1.681		-1	20
n-Butylbenzene	2.742	2.863		4.41	20
1,2-Dichlorobenzene	1.495	1.505		0.67	20
1,2-Dibromo-3-Chloropropane	0.090	0.089		-1.11	20
1,2,4-Trichlorobenzene	0.847	0.851		0.47	20
Hexachlorobutadiene	0.521	0.520		-0.19	20
1,2,3-Trichlorobenzene	0.731	0.740		1.23	20
1,2-Dichloroethane-d4	0.462	0.441		-4.55	20
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.245	1.243		-0.16	20
4-Bromofluorobenzene	0.419	0.427		1.91	20
trans-1,4-Dichloro-2-butene	0.178	0.180		1.12	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\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	301546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	415602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	221579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132883	47.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.420%			
35) Dibromofluoromethane	7.634	113	146286	49.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.109	98	559680	49.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.408	95	192281	50.932	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	112875	43.929	ug/l	99
3) Chloromethane	2.068	50	161688	44.193	ug/l	100
4) Vinyl Chloride	2.202	62	206368	45.901	ug/l	99
5) Bromomethane	2.599	94	160309	41.387	ug/l	100
6) Chloroethane	2.739	64	134635	43.970	ug/l	99
7) Trichlorofluoromethane	3.056	101	272284	45.927	ug/l	98
8) Diethyl Ether	3.458	74	70835	45.905	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	152288	47.352	ug/l	99
10) Methyl Iodide	4.007	142	179944	48.326	ug/l	98
11) Tert butyl alcohol	4.872	59	35368	231.296	ug/l	98
12) 1,1-Dichloroethene	3.787	96	142549	47.553	ug/l	97
13) Acrolein	3.659	56	34294	124.956	ug/l	100
14) Allyl chloride	4.385	41	166047	47.571	ug/l	98
15) Acrylonitrile	5.061	53	132967	235.378	ug/l	99
16) Acetone	3.873	43	93721	257.728	ug/l	97
17) Carbon Disulfide	4.110	76	423479	44.306	ug/l	98
18) Methyl Acetate	4.391	43	70510	54.193	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	334445	49.847	ug/l	100
20) Methylene Chloride	4.616	84	160823	45.663	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	159456	47.497	ug/l	98
22) Diisopropyl ether	6.019	45	386882	49.807	ug/l	96
23) Vinyl Acetate	5.964	43	1024665	244.768	ug/l	100
24) 1,1-Dichloroethane	5.915	63	257691	47.860	ug/l	98
25) 2-Butanone	6.897	43	151417	238.488	ug/l	98
26) 2,2-Dichloropropane	6.890	77	237802	50.391	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	183808	48.965	ug/l	99
28) Bromochloromethane	7.250	49	99882	47.760	ug/l	100
29) Tetrahydrofuran	7.268	42	101569	246.313	ug/l	98
30) Chloroform	7.421	83	291473	48.804	ug/l	98
31) Cyclohexane	7.701	56	216232	46.963	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	262037	48.496	ug/l	100
36) 1,1-Dichloropropene	7.835	75	201117	50.333	ug/l	100
37) Ethyl Acetate	6.988	43	69892	48.702	ug/l	96
38) Carbon Tetrachloride	7.817	117	243069	50.908	ug/l	97
39) Methylcyclohexane	9.110	83	257390	51.187	ug/l	99
40) Benzene	8.085	78	625230	50.056	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	43507m	55.458	ug/l		
42) 1,2-Dichloroethane	8.158	62	159242	51.493	ug/l		99
43) Isopropyl Acetate	8.201	43	137299	49.819	ug/l		99
44) Trichloroethene	8.866	130	173060	50.021	ug/l		96
45) 1,2-Dichloropropane	9.146	63	141445	51.207	ug/l		98
46) Dibromomethane	9.238	93	86996	50.312	ug/l		99
47) Bromodichloromethane	9.427	83	221679	51.319	ug/l		97
48) Methyl methacrylate	9.225	41	67168	52.721	ug/l		98
49) 1,4-Dioxane	9.231	88	18381	997.352	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	382449	264.723	ug/l		99
52) Toluene	10.170	92	420077	51.956	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	192400	51.928	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	227562	51.667	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	119511	51.742	ug/l		99
56) Ethyl methacrylate	10.439	69	138889	52.583	ug/l		98
57) 1,3-Dichloropropane	10.719	76	189498	51.177	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	346642	268.418	ug/l		99
59) 2-Hexanone	10.762	43	255230	267.843	ug/l		98
60) Dibromochloromethane	10.914	129	163529	51.138	ug/l		99
61) 1,2-Dibromoethane	11.018	107	112896	51.775	ug/l		98
64) Tetrachloroethene	10.646	164	204932	52.270	ug/l		98
65) Chlorobenzene	11.444	112	470366	50.610	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	165462	50.569	ug/l		100
67) Ethyl Benzene	11.518	91	788631	51.872	ug/l		100
68) m/p-Xylenes	11.627	106	629353	104.029	ug/l		99
69) o-Xylene	11.957	106	292170	52.398	ug/l		99
70) Styrene	11.969	104	499203	53.321	ug/l		99
71) Bromoform	12.133	173	94954	49.915	ug/l	#	99
73) Isopropylbenzene	12.255	105	773553	52.254	ug/l		100
74) N-amyl acetate	12.072	43	125362	49.288	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	121976	48.871	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	96902m	51.057	ug/l		
77) Bromobenzene	12.536	156	190990	51.057	ug/l		99
78) n-propylbenzene	12.597	91	928299	52.656	ug/l		100
79) 2-Chlorotoluene	12.682	91	527905	51.489	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	643214	52.733	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	39816	50.520	ug/l		99
82) 4-Chlorotoluene	12.780	91	553248	51.909	ug/l		100
83) tert-Butylbenzene	12.999	119	571296	52.224	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	643015	52.705	ug/l		99
85) sec-Butylbenzene	13.176	105	843051	52.666	ug/l		100
86) p-Isopropyltoluene	13.292	119	713078	52.460	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	375900	49.477	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	372381	49.489	ug/l		99
89) n-Butylbenzene	13.621	91	634275	52.205	ug/l		99
90) Hexachloroethane	13.883	117	149353	50.010	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	333414	50.315	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19712	49.642	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	188657	50.241	ug/l		100
94) Hexachlorobutadiene	15.023	225	115309	49.910	ug/l		98
95) Naphthalene	15.145	128	320223	51.336	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	164013	50.599	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

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\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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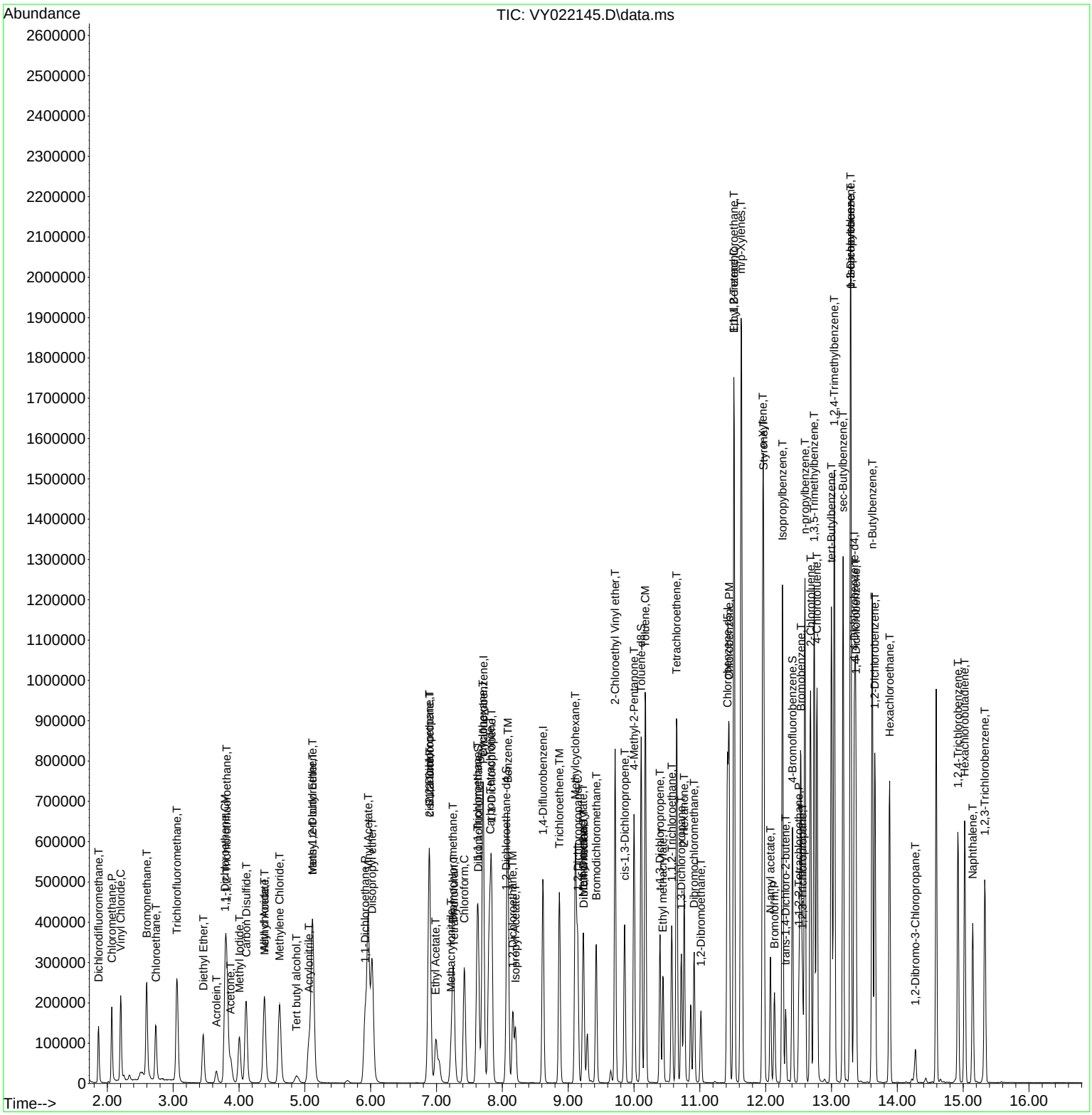

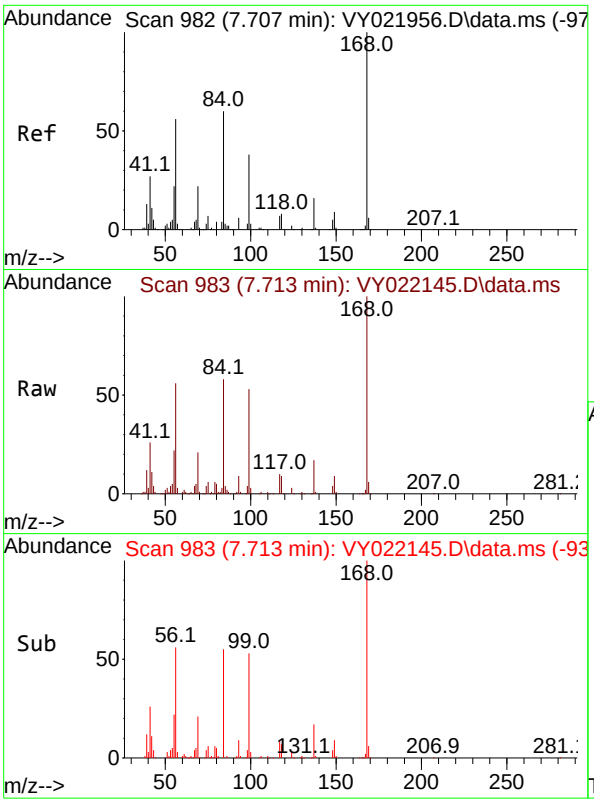

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:168 Resp: 30154

Ion	Ratio	Lower	Upper
168	100		
99	53.3	43.1	64.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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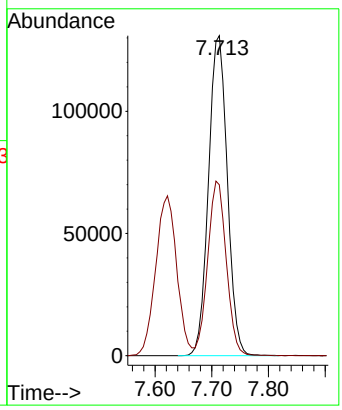
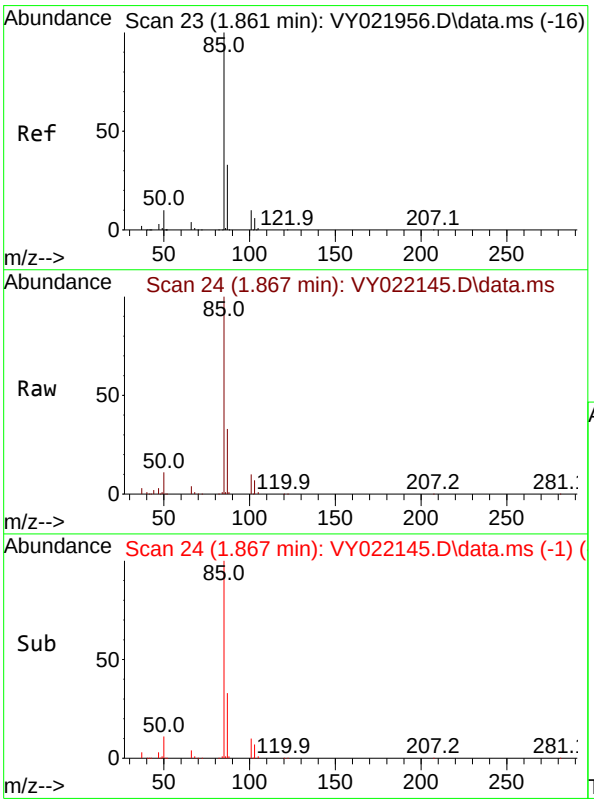
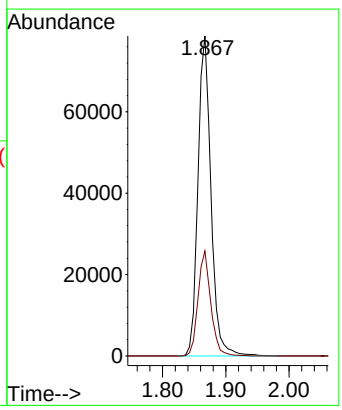


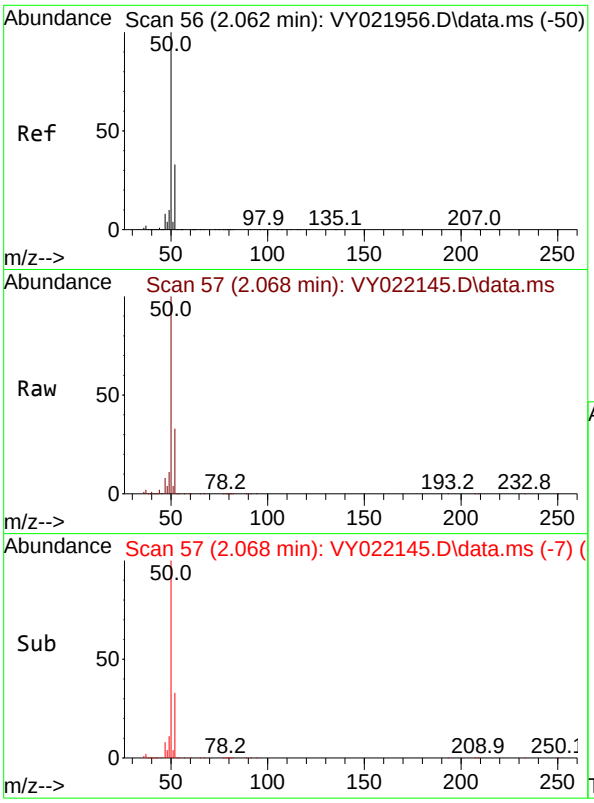


#2
Dichlorodifluoromethane
Concen: 43.929 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 85 Resp: 112875

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7

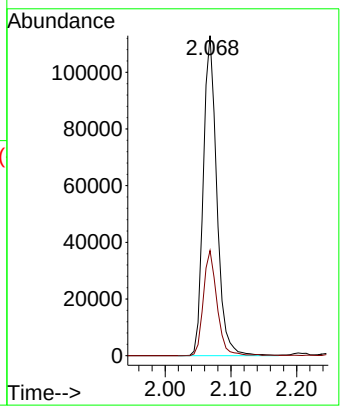




#3
Chloromethane
Concen: 44.193 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 50 Resp: 16168

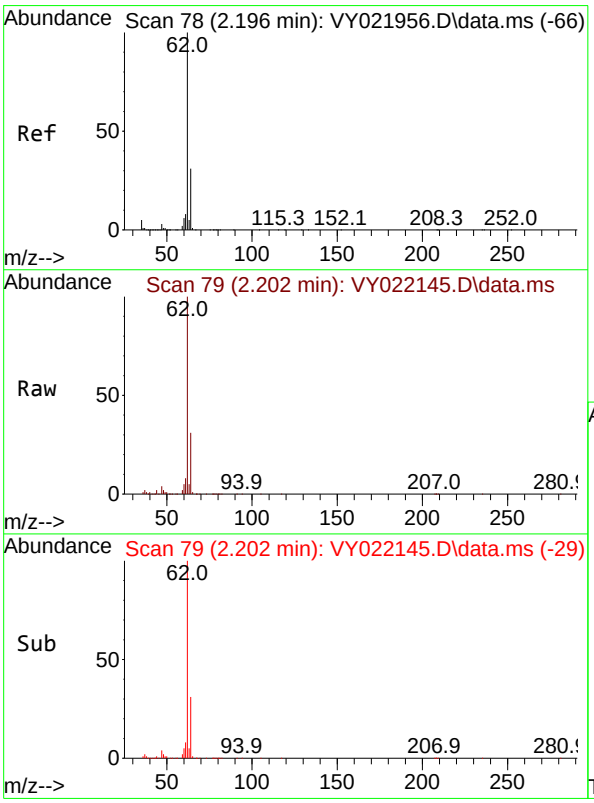
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

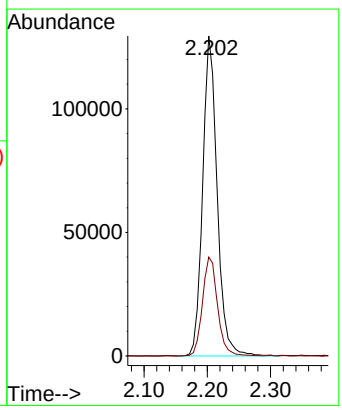
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

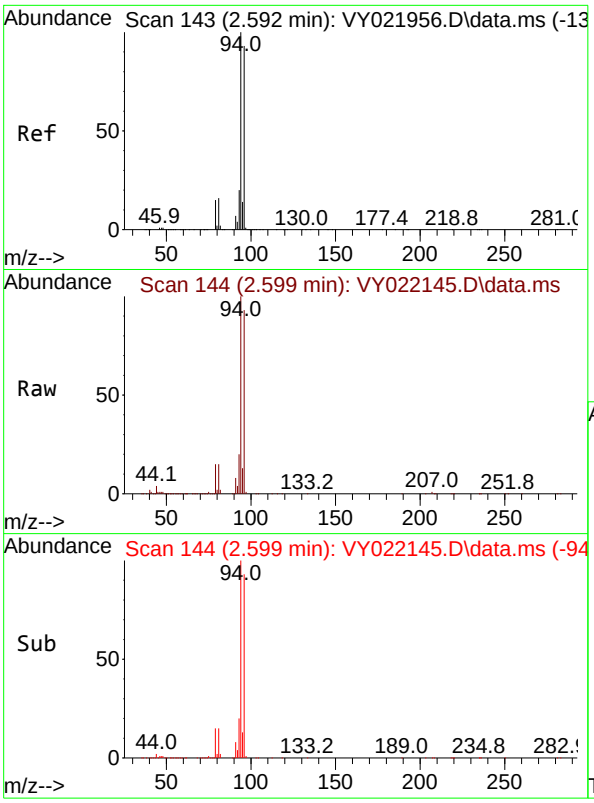


#4
Vinyl Chloride
Concen: 45.901 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 62 Resp: 206368

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.1	37.7





#5
Bromomethane
Concen: 41.387 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 94 Resp: 160309

Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
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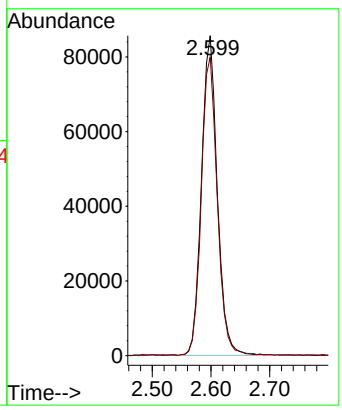
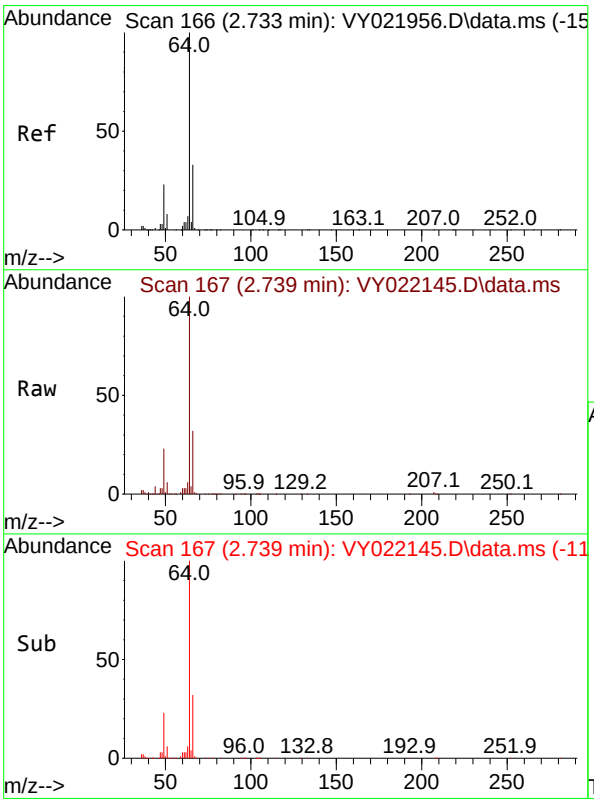
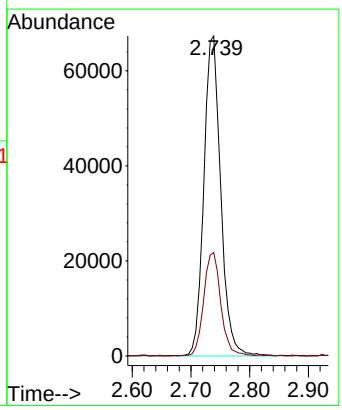


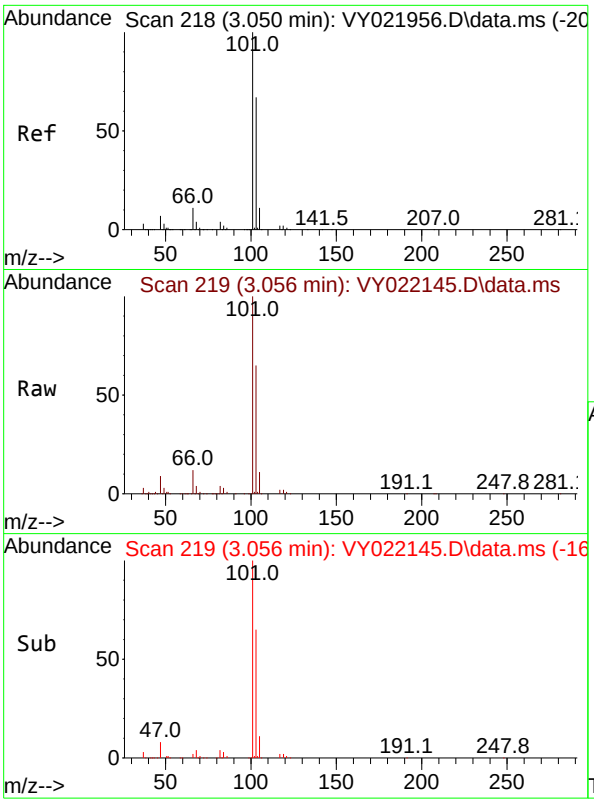


#6
Chloroethane
Concen: 43.970 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 64 Resp: 134635

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.2	39.4

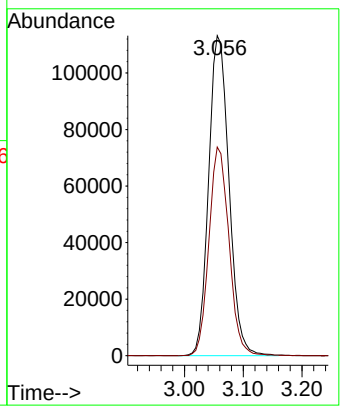




#7
Trichlorofluoromethane
Concen: 45.927 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:101 Resp: 27228

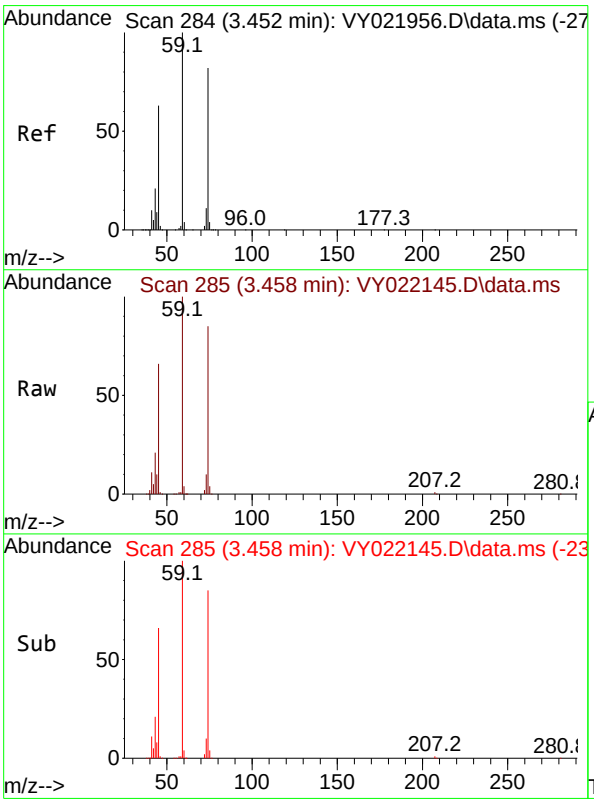
Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

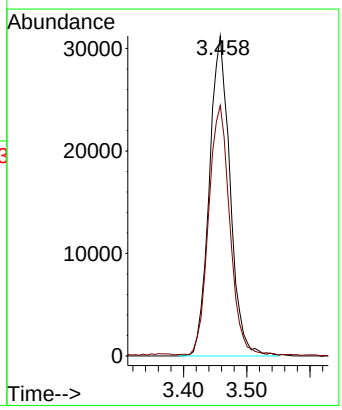
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

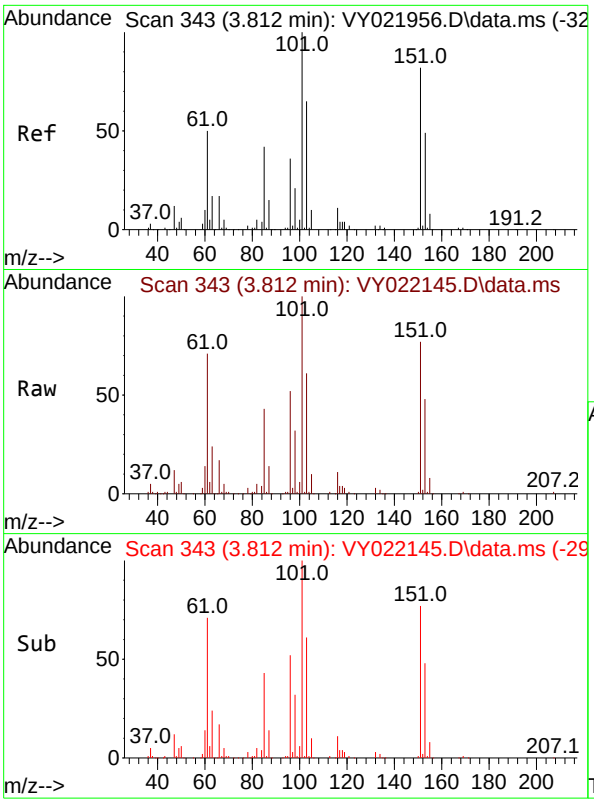


#8
Diethyl Ether
Concen: 45.905 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 74 Resp: 70835

Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.352 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

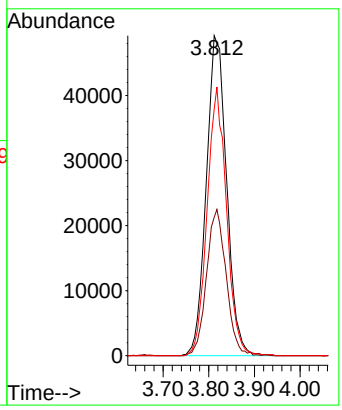
Tgt Ion:101 Resp: 15228

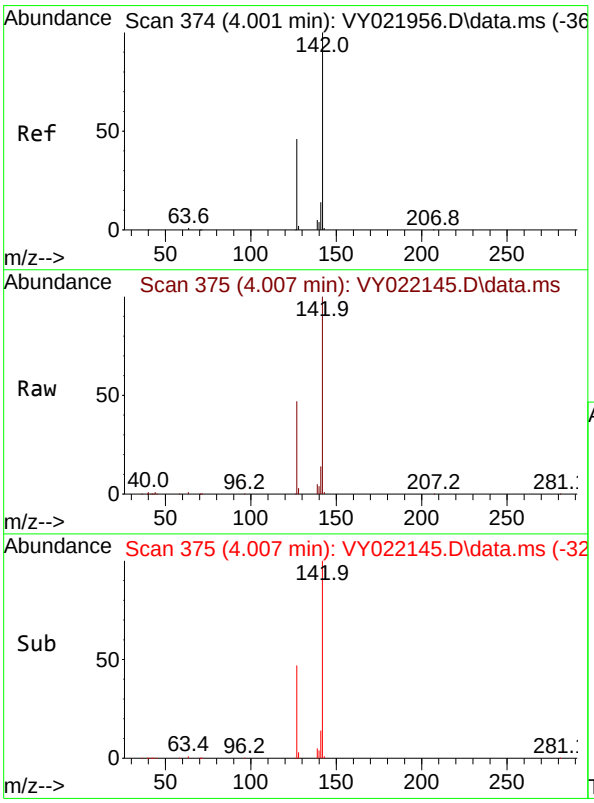
Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.6	51.8
151	79.8	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

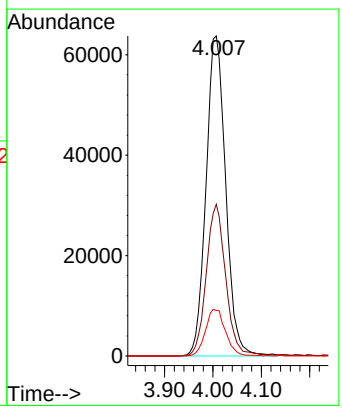


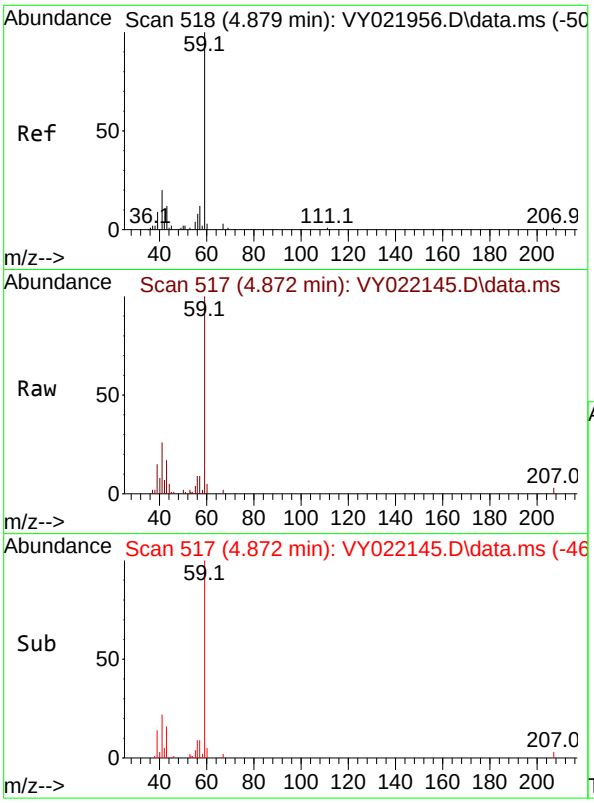


#10
Methyl Iodide
Concen: 48.326 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:142 Resp: 179944

Ion	Ratio	Lower	Upper
142	100		
127	46.7	36.2	54.2
141	14.8	11.7	17.5

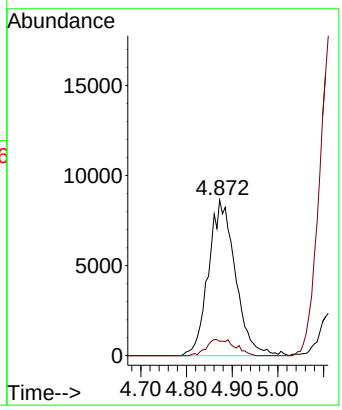




#11
Tert butyl alcohol
Concen: 231.296 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 59 Resp: 3536

Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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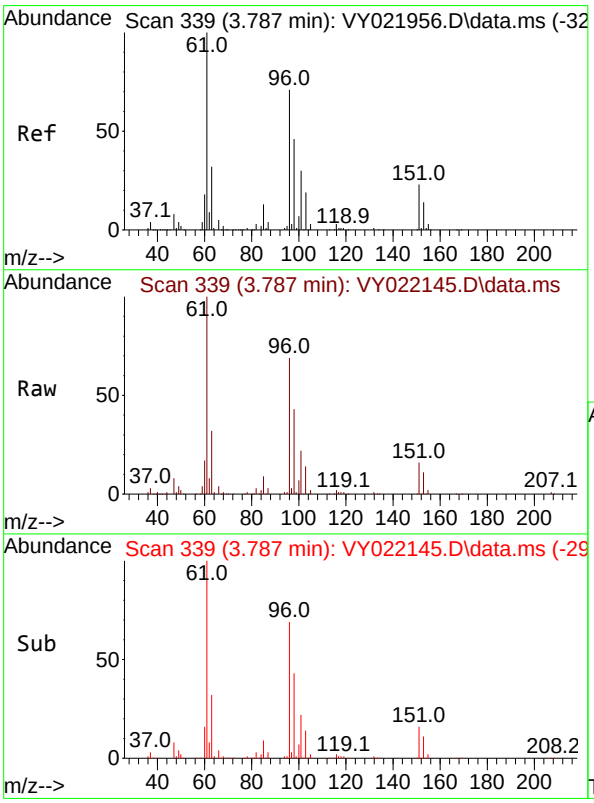
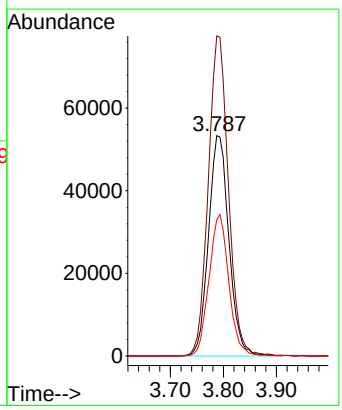
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

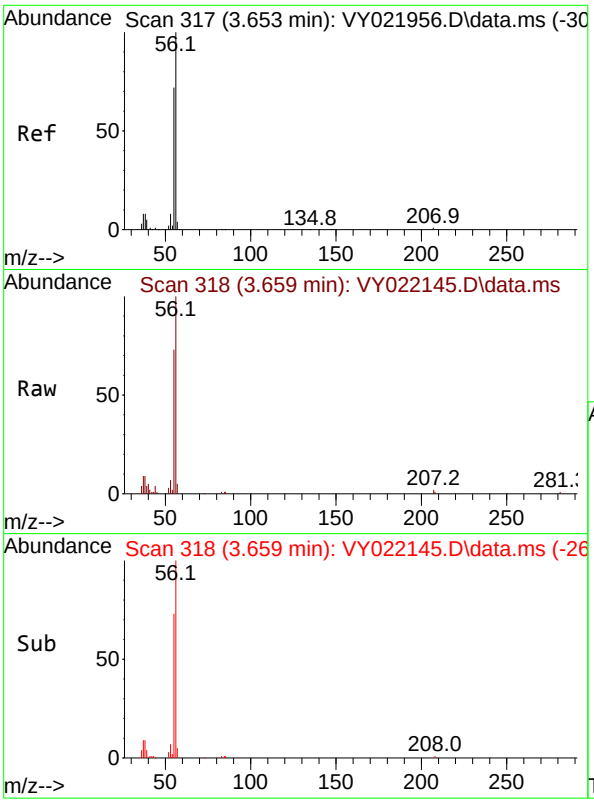


#12
1,1-Dichloroethene
Concen: 47.553 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 96 Resp: 142549

Ion	Ratio	Lower	Upper
96	100		
61	145.3	113.0	169.4
98	61.9	51.4	77.2

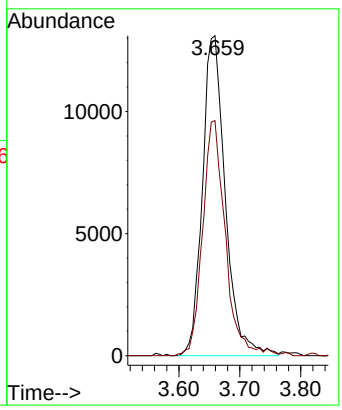




#13
Acrolein
Concen: 124.956 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 56 Resp: 3429

Ion	Ratio	Lower	Upper
56	100		
55	72.0	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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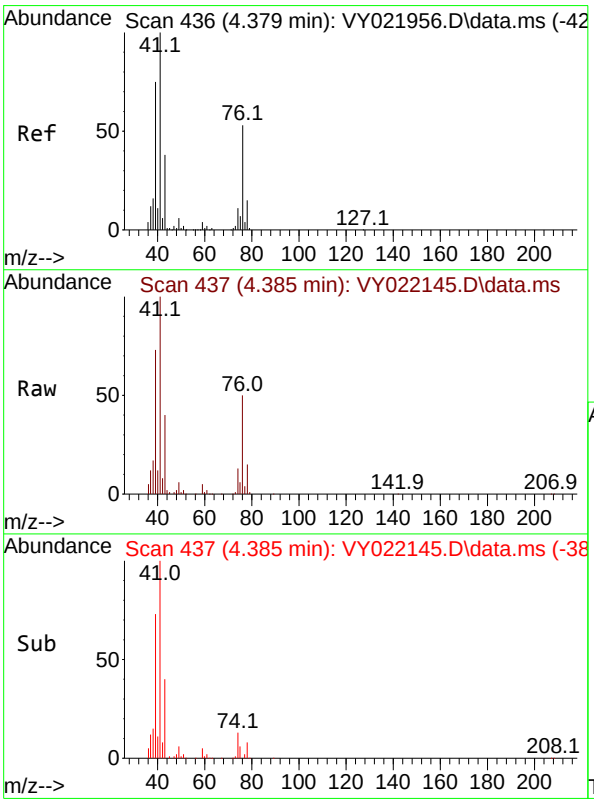
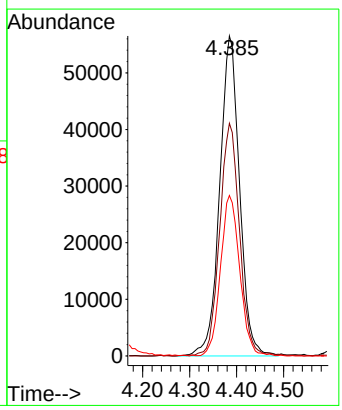
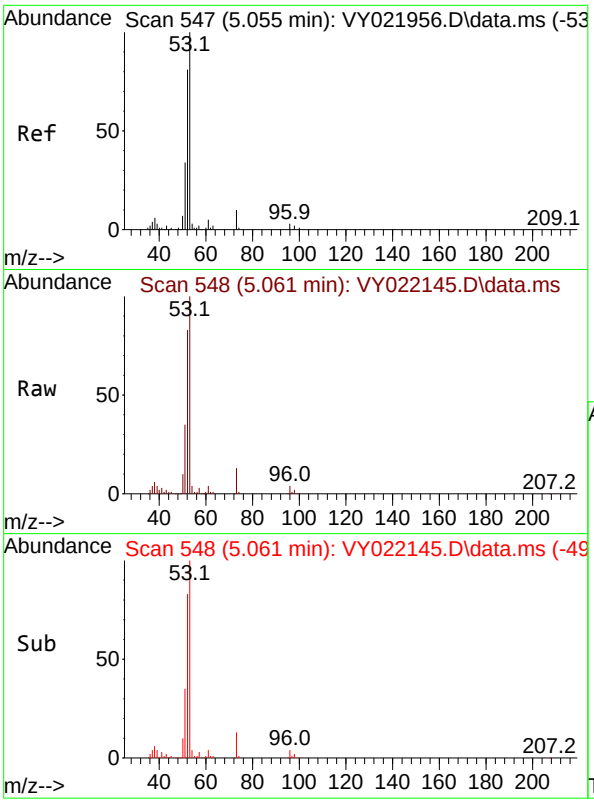


#14
Allyl chloride
Concen: 47.571 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 41 Resp: 166047

Ion	Ratio	Lower	Upper
41	100		
39	72.9	57.2	85.8
76	48.4	39.7	59.5

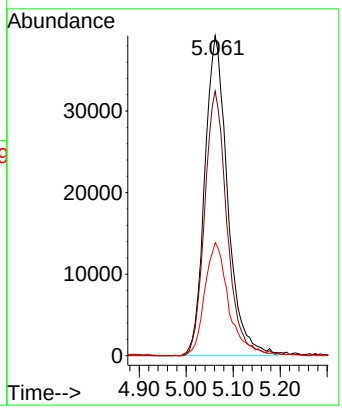




#15
Acrylonitrile
Concen: 235.378 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 53 Resp: 13296

Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.0	97.6
51	37.2	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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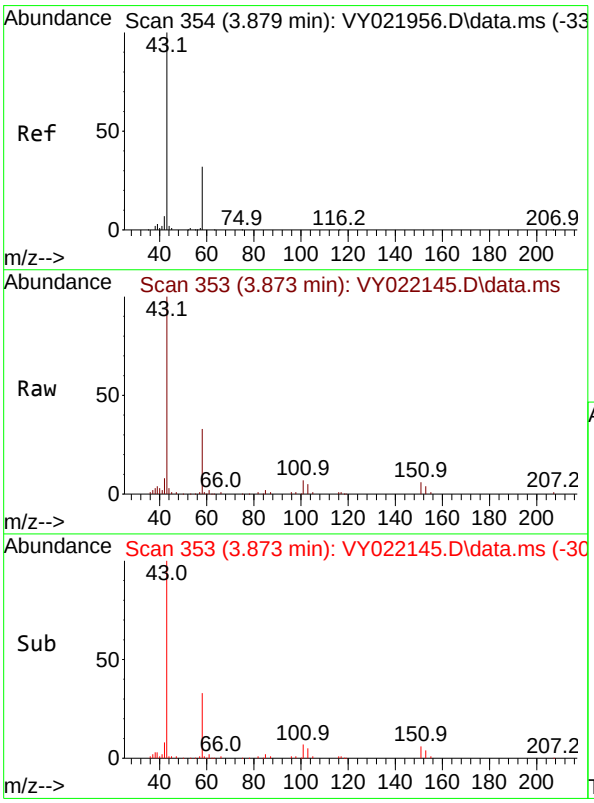
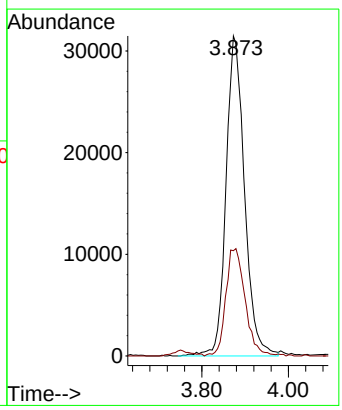
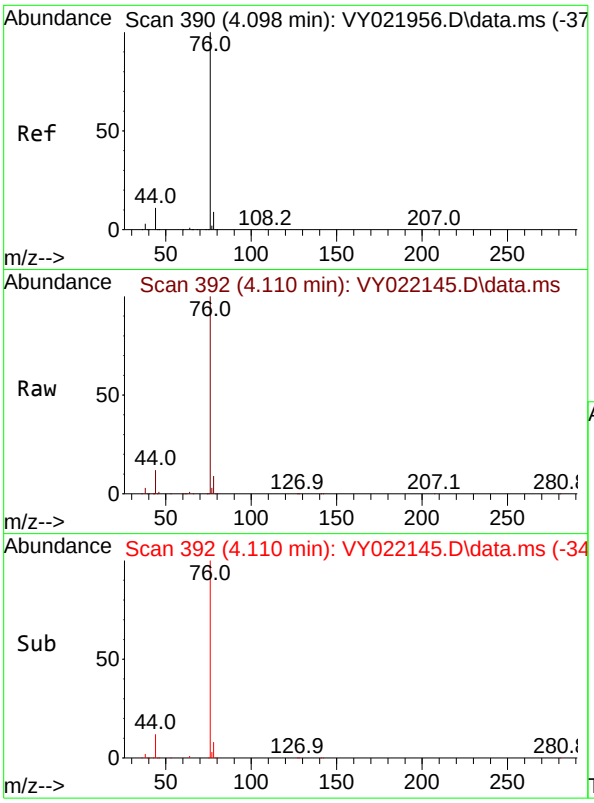


#16
Acetone
Concen: 257.728 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 93721

Ion	Ratio	Lower	Upper
43	100		
58	32.3	27.0	40.4

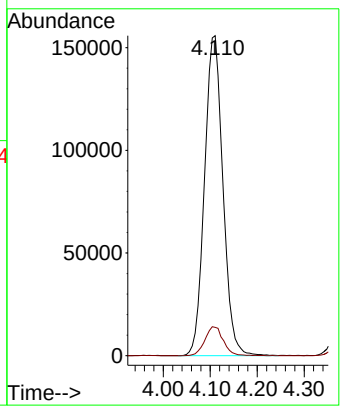




#17
Carbon Disulfide
Concen: 44.306 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 76 Resp: 42347

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4



Instrument :
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ClientSampleId :
VSTDCCC050

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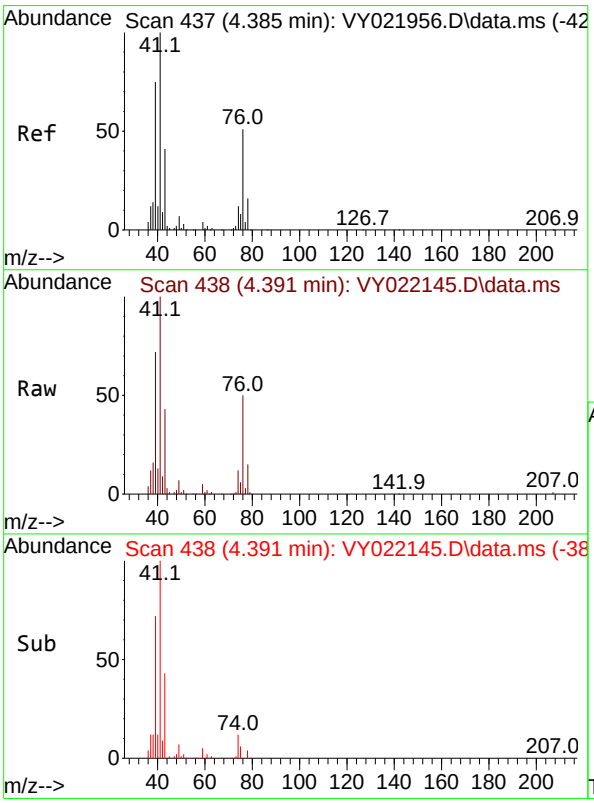
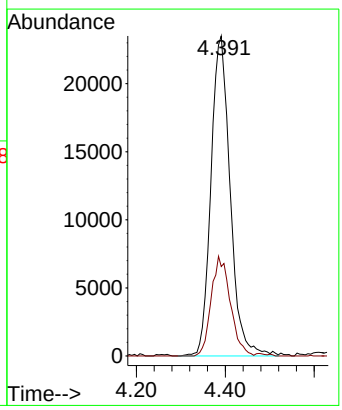
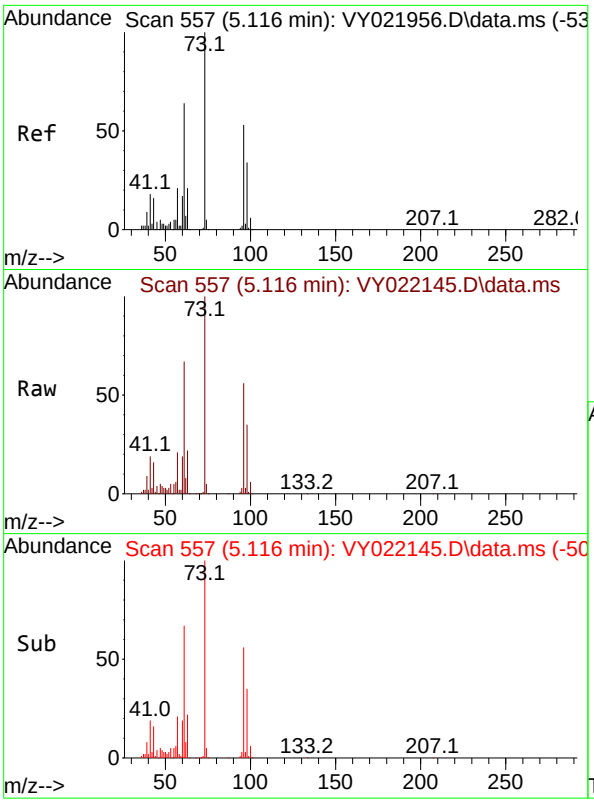


#18
Methyl Acetate
Concen: 54.193 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 70510

Ion	Ratio	Lower	Upper
43	100		
74	30.9	24.2	36.4





#19
Methyl tert-butyl Ether
Concen: 49.847 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 73 Resp: 33444

Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.9	25.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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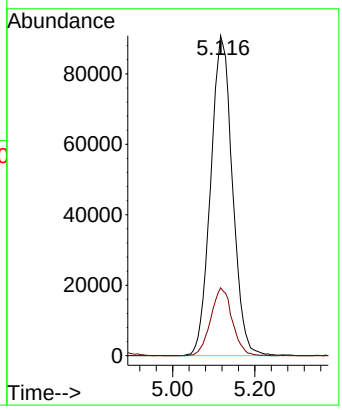
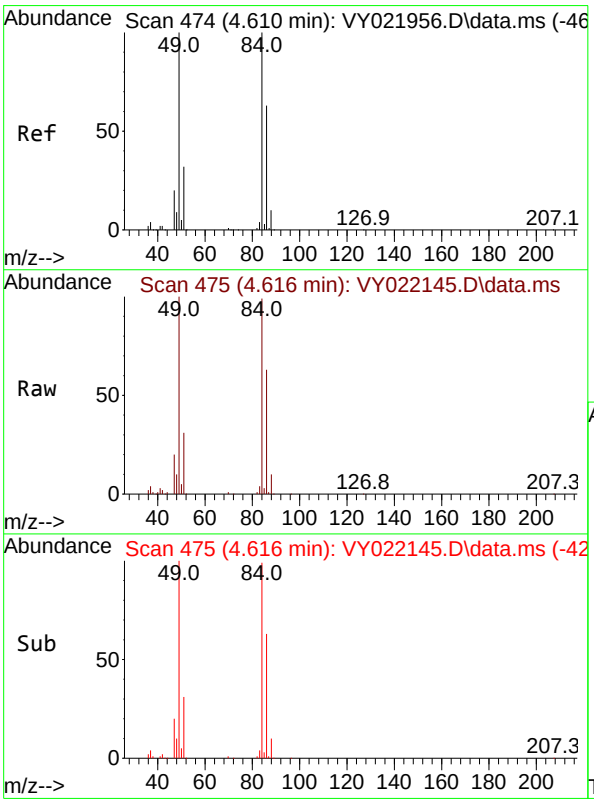
Supervised By :Semsettin Yesilyurt 05/06/2025

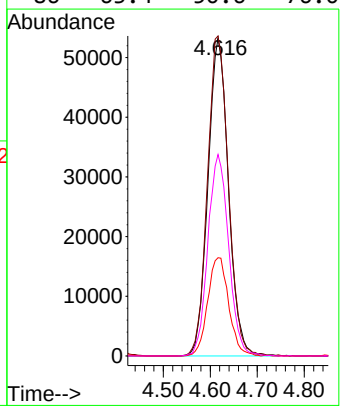


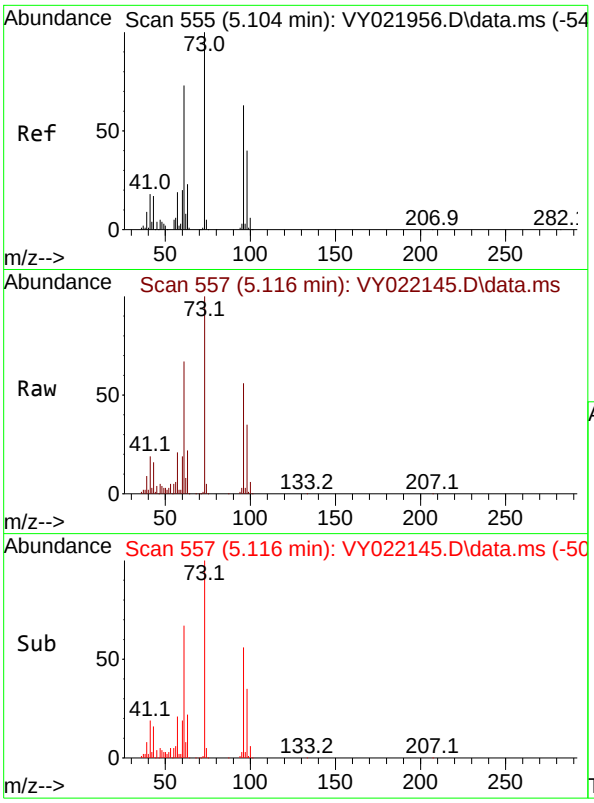


#20
Methylene Chloride
Concen: 45.663 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 84 Resp: 160823

Ion	Ratio	Lower	Upper
84	100		
49	100.7	79.9	119.9
51	30.9	25.4	38.0
86	63.4	50.6	76.0





#21
trans-1,2-Dichloroethene
Concen: 47.497 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 96 Resp: 15945

Ion	Ratio	Lower	Upper
96	100		
61	119.4	92.6	138.8
98	63.2	50.2	75.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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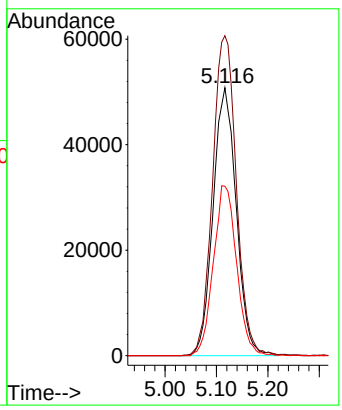
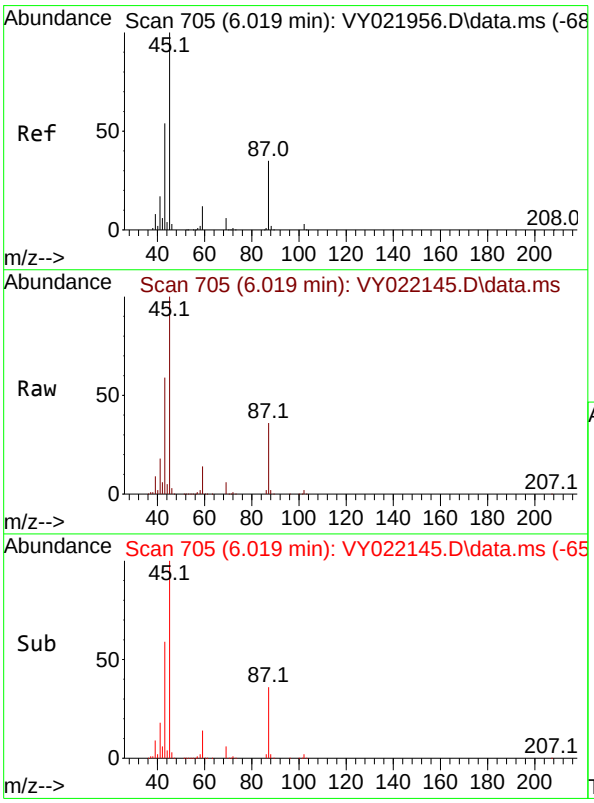
Supervised By :Semsettin Yesilyurt 05/06/2025

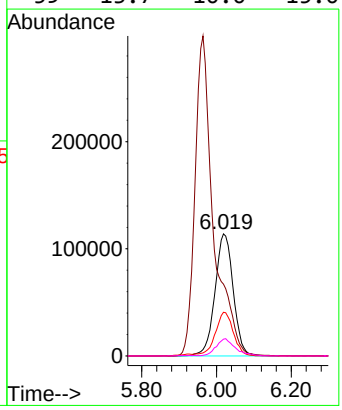


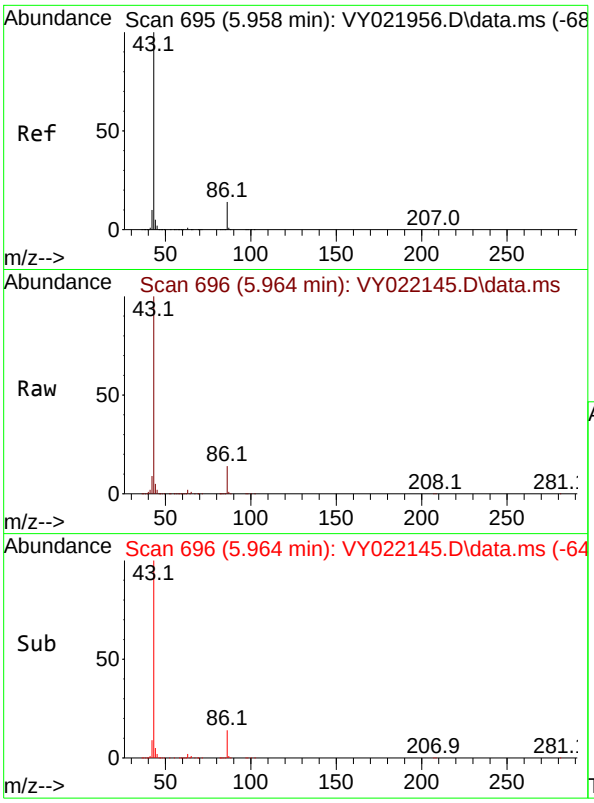


#22
Diisopropyl ether
Concen: 49.807 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 45 Resp: 386882

Ion	Ratio	Lower	Upper
45	100		
43	58.6	43.6	65.4
87	35.8	28.2	42.4
59	13.7	10.0	15.0





#23
Vinyl Acetate
Concen: 244.768 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 102466

Ion	Ratio	Lower	Upper
43	100		
86	13.8	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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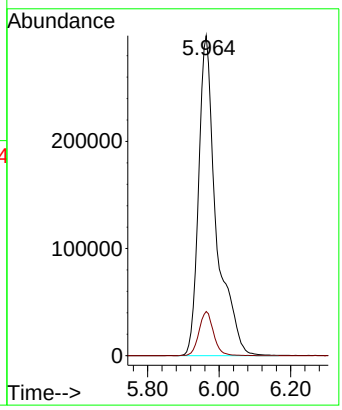
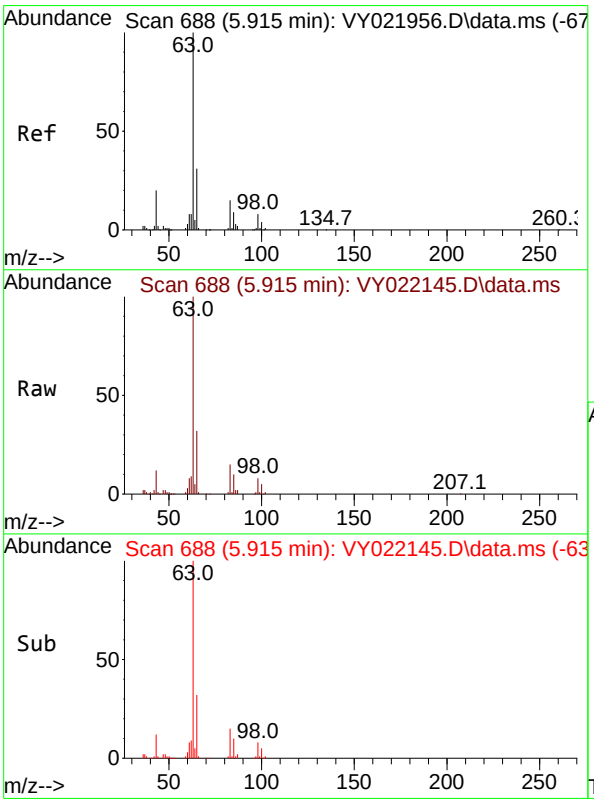
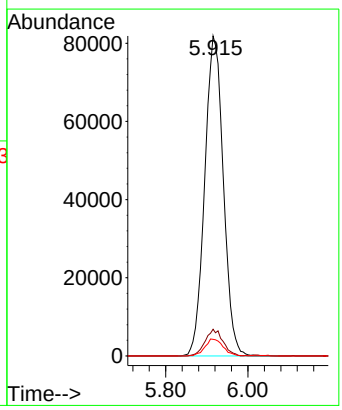


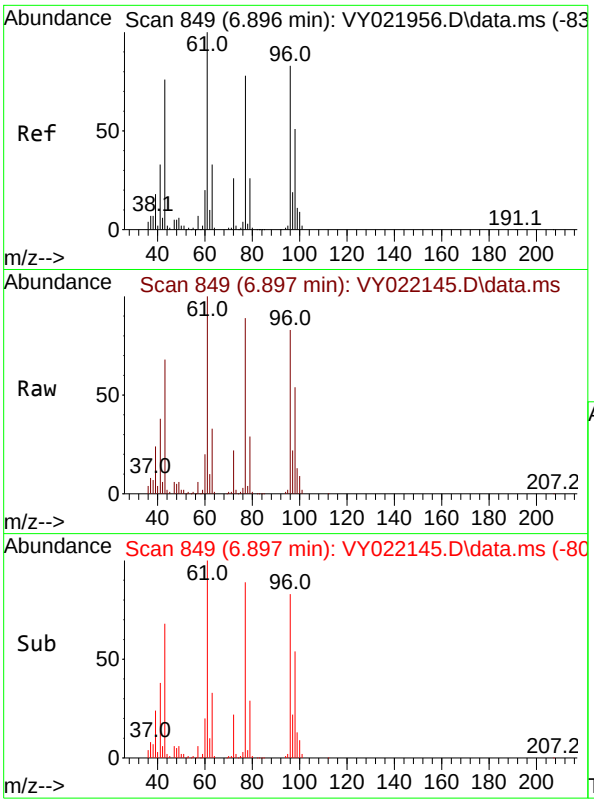


#24
1,1-Dichloroethane
Concen: 47.860 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 63 Resp: 257691

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	11.9
100	5.2	2.0	6.0





#25
2-Butanone
Concen: 238.488 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 15141

Ion	Ratio	Lower	Upper
43	100		
72	32.3	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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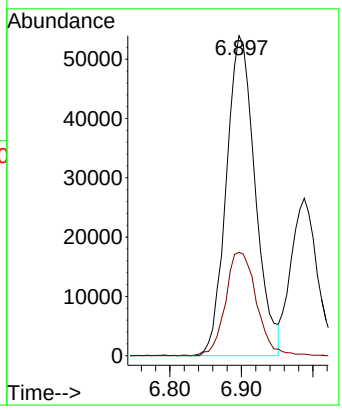
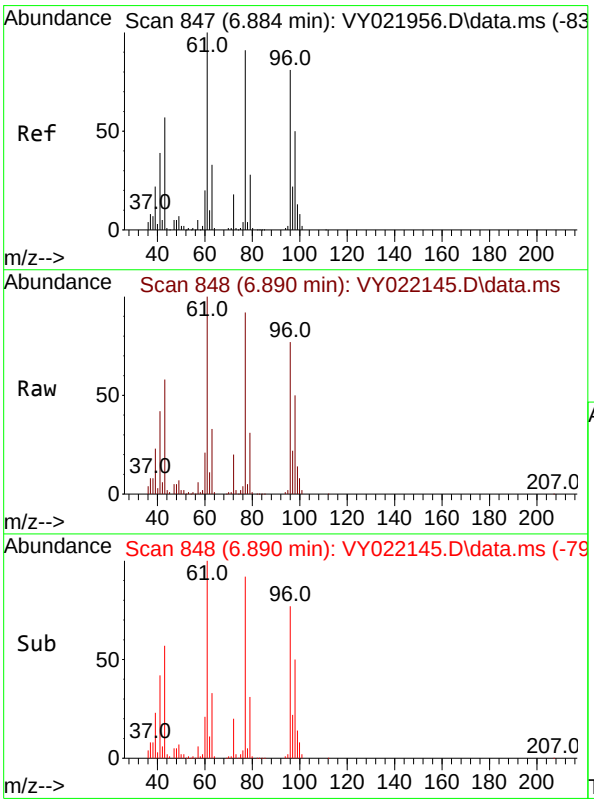
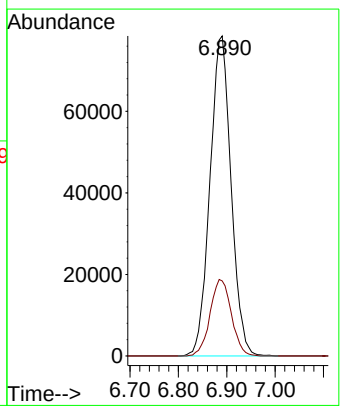


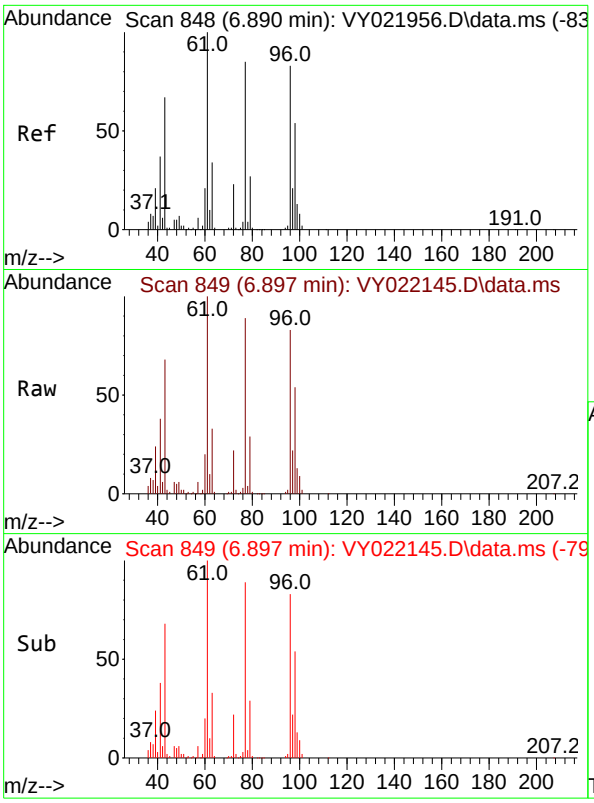


#26
2,2-Dichloropropane
Concen: 50.391 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 77 Resp: 237802

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 48.965 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 96 Resp: 183808

Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	251.4
98	64.2	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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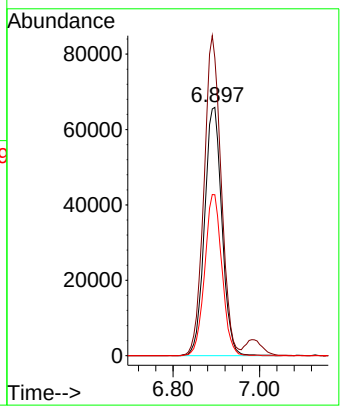
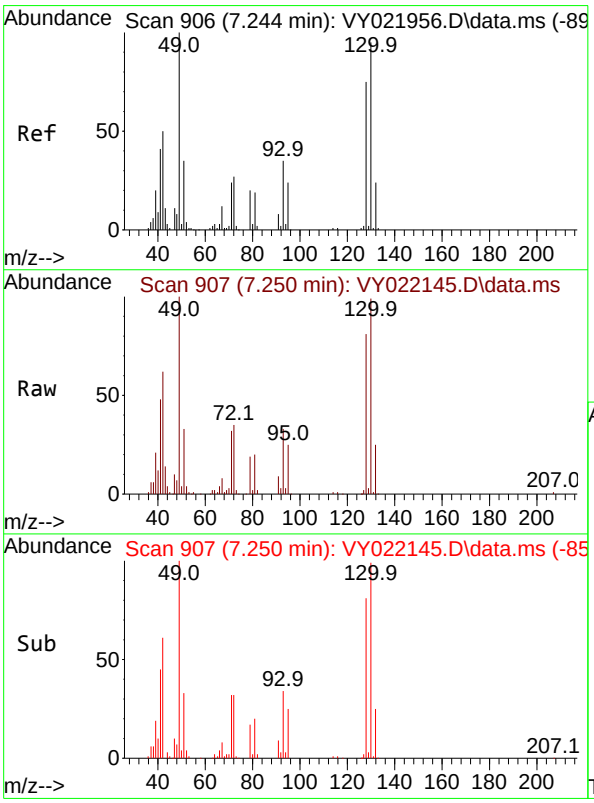
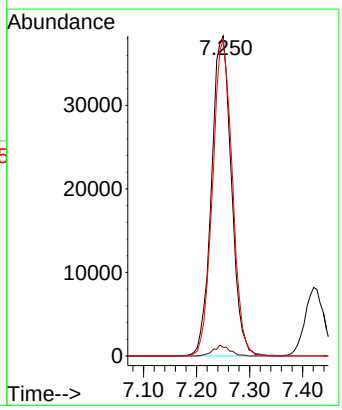


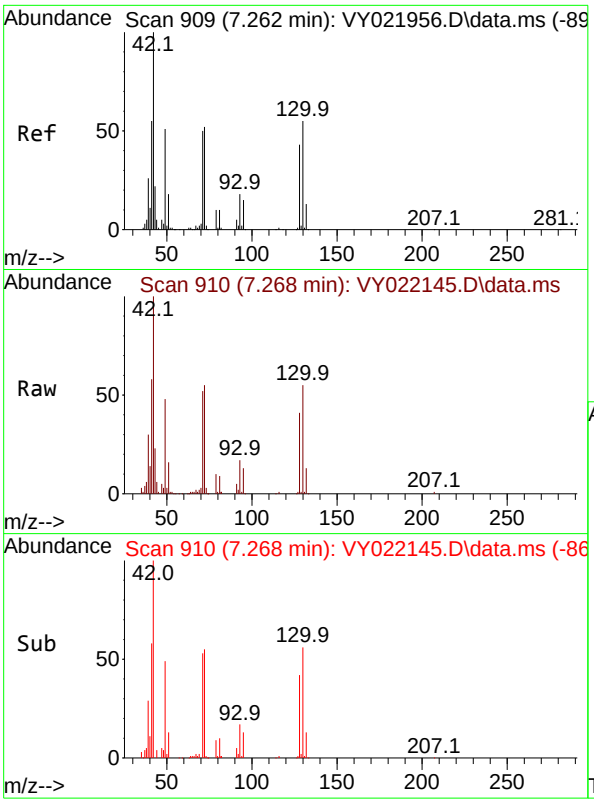


#28
Bromochloromethane
Concen: 47.760 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 49 Resp: 99882

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	97.9	78.2	117.4





#29
Tetrahydrofuran
Concen: 246.313 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 42 Resp: 10156

Ion	Ratio	Lower	Upper
42	100		
72	55.2	42.6	63.8
71	51.1	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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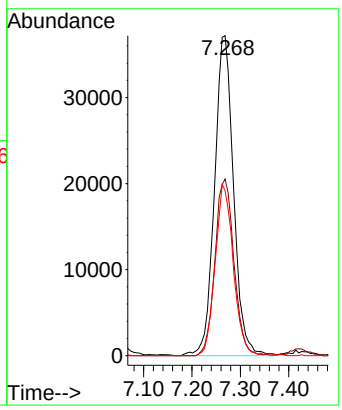
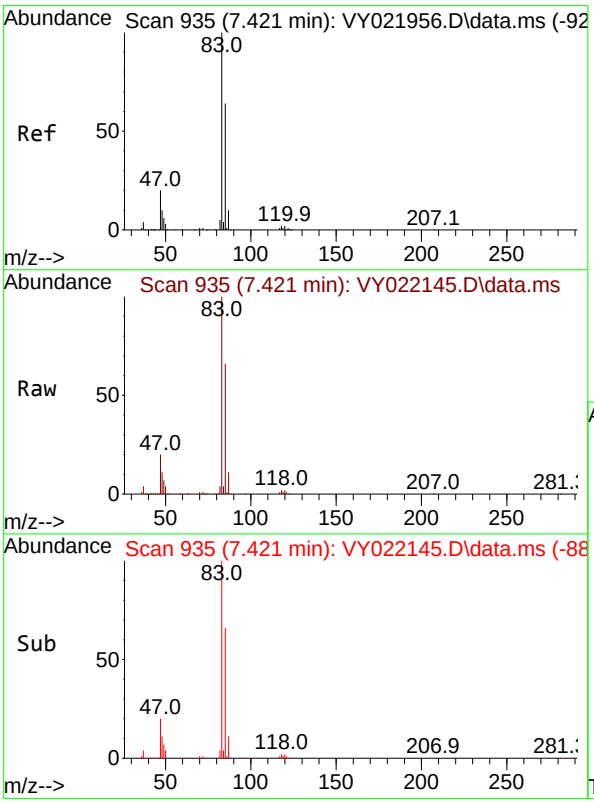
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

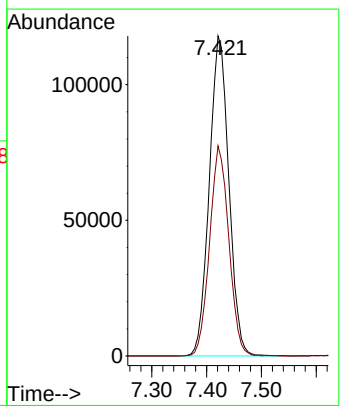


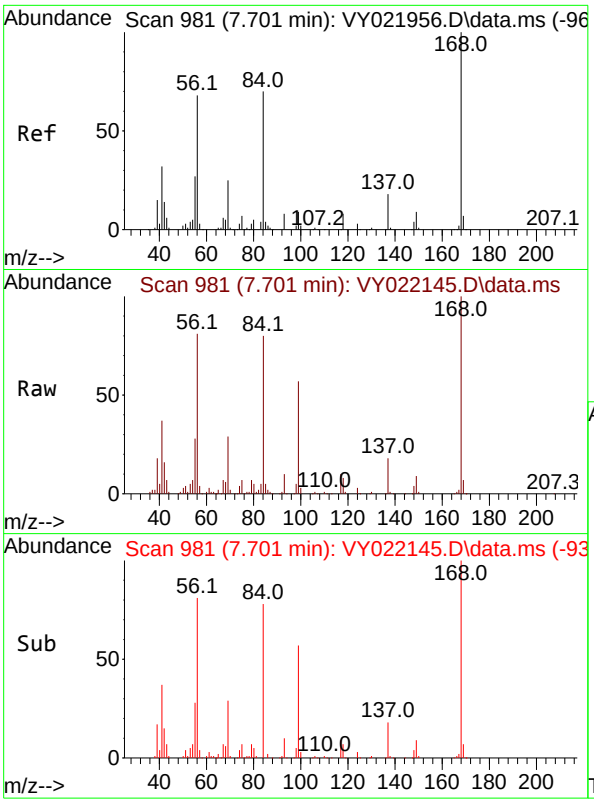


#30
Chloroform
Concen: 48.804 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 83 Resp: 291473

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.3	76.9





#31
Cyclohexane
Concen: 46.963 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 56 Resp: 21623

Ion	Ratio	Lower	Upper
56	100		
69	35.5	29.4	44.2
84	97.7	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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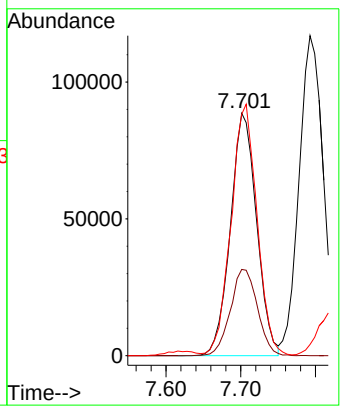
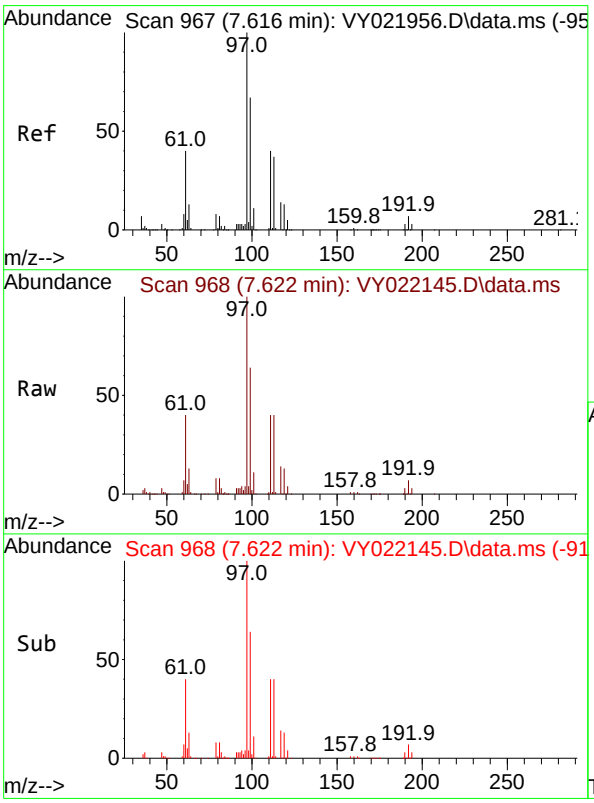
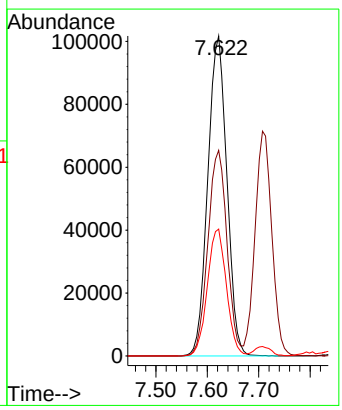


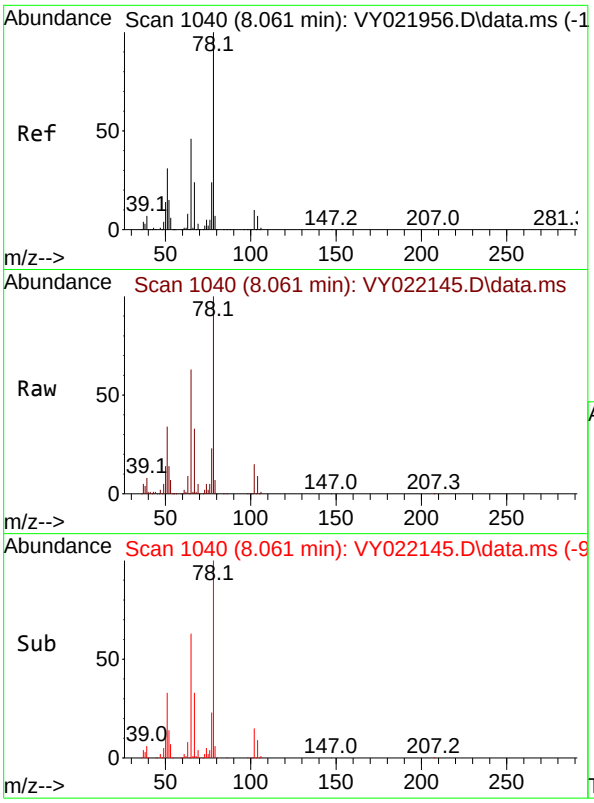


#32
1,1,1-Trichloroethane
Concen: 48.496 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 97 Resp: 262037

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	39.8	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 47.708 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 65 Resp: 13288

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.8

Instrument :
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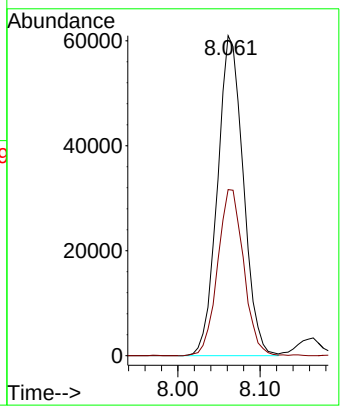
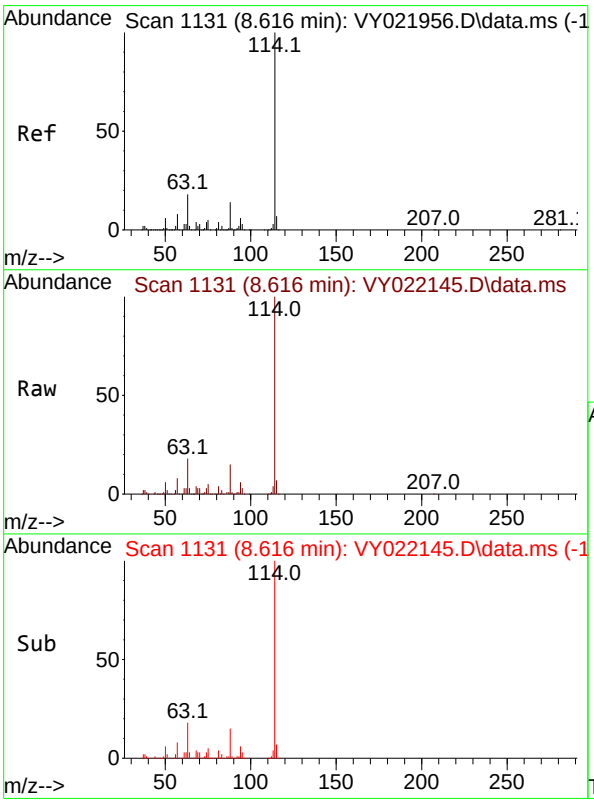
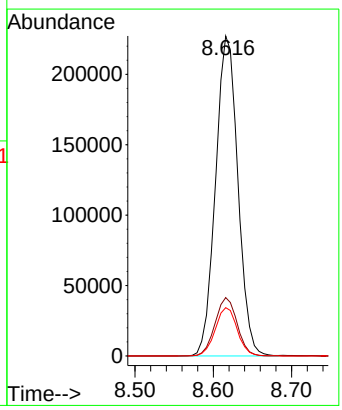


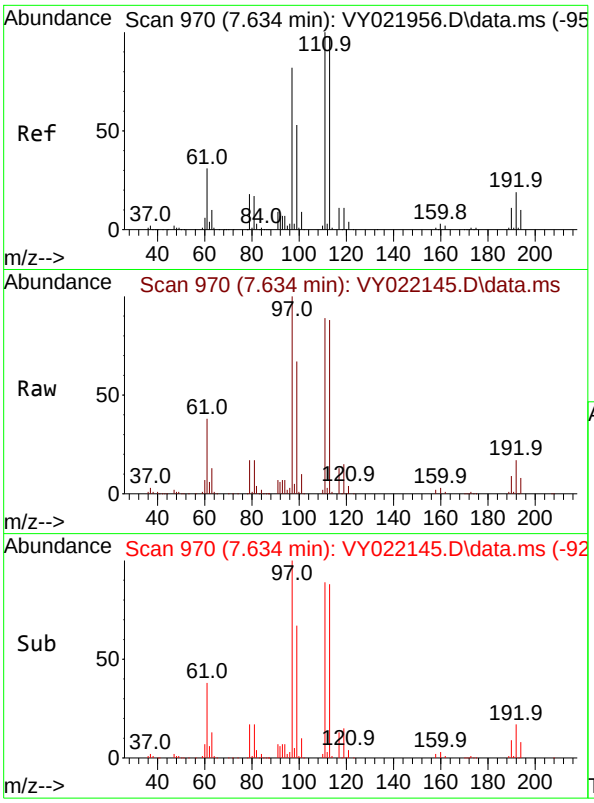


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:114 Resp: 450262

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.4
88	15.1	0.0	28.2





#35
Dibromofluoromethane
Concen: 49.177 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:113 Resp: 14628

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	19.9	15.6	23.4

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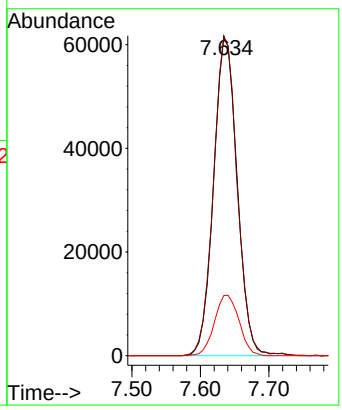
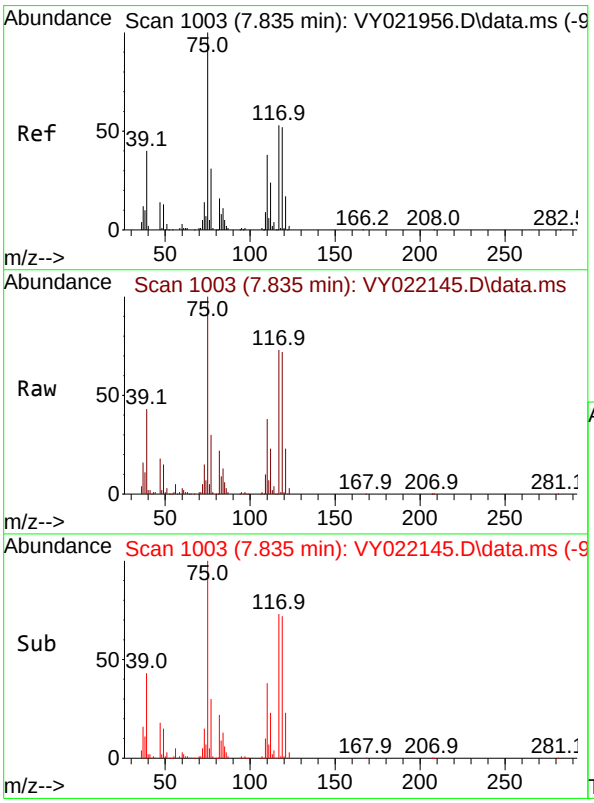
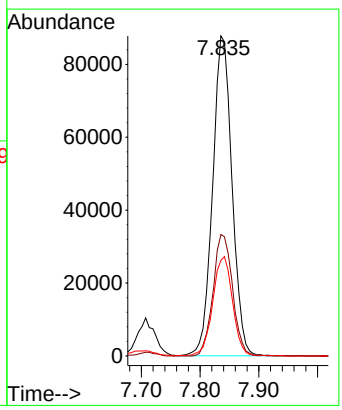


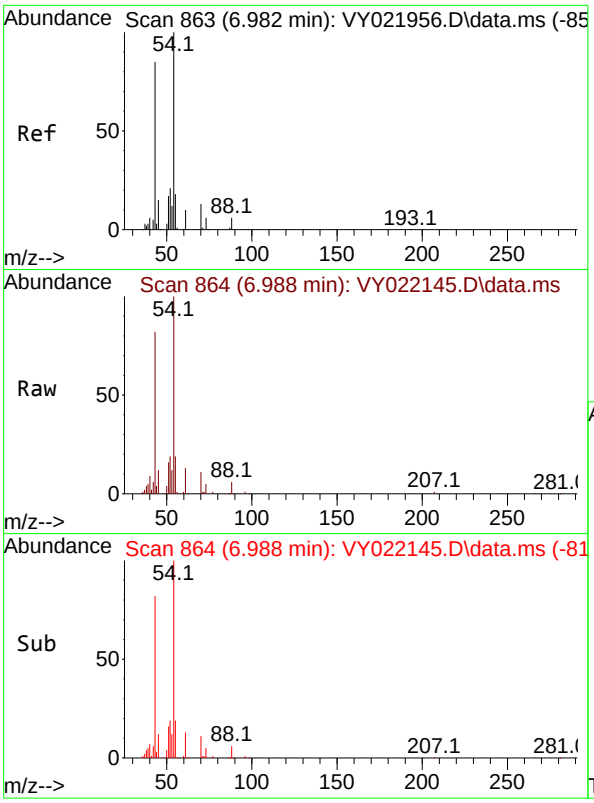


#36
1,1-Dichloropropene
Concen: 50.333 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 201117

Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.1	57.3
77	31.8	25.5	38.3

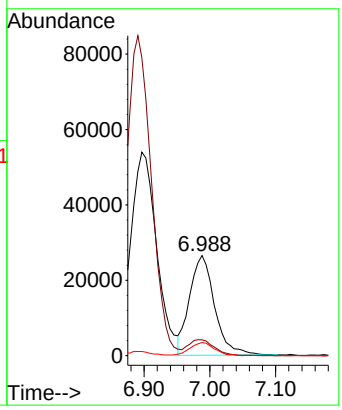




#37
Ethyl Acetate
Concen: 48.702 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 6989

Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.8	20.6
70	13.0	9.2	13.8



Instrument :
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ClientSampleId :
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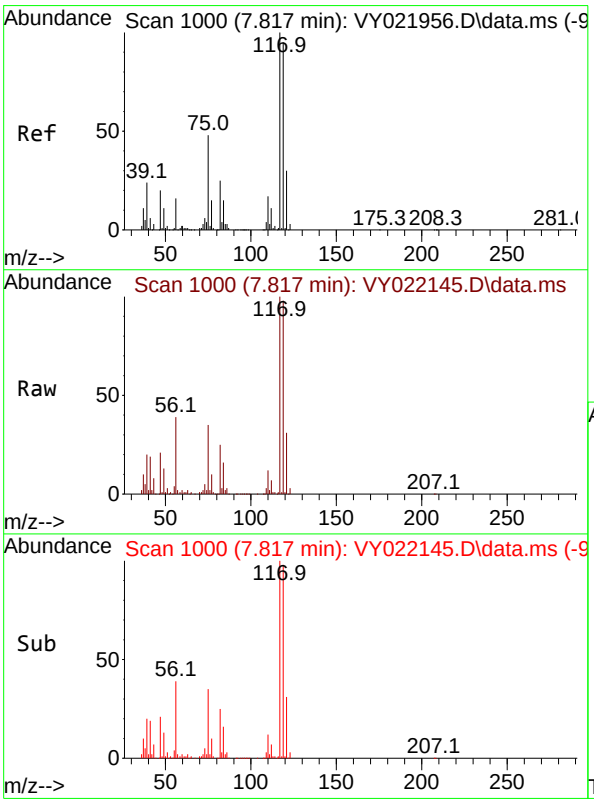
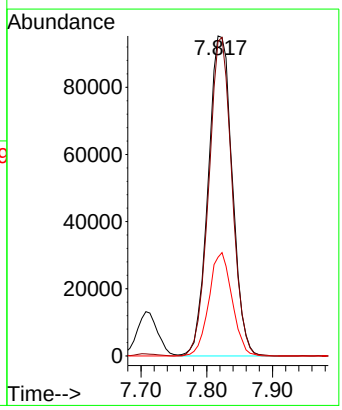
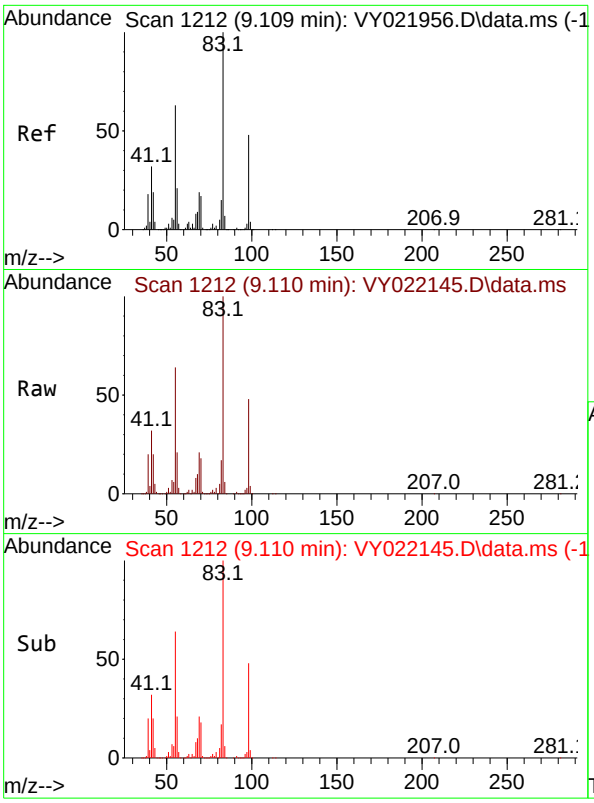


#38
Carbon Tetrachloride
Concen: 50.908 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:117 Resp: 243069

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.4
121	30.8	24.0	36.0





#39
Methylcyclohexane
Concen: 51.187 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 83 Resp: 25739

Ion	Ratio	Lower	Upper
83	100		
55	64.5	50.6	75.8
98	48.0	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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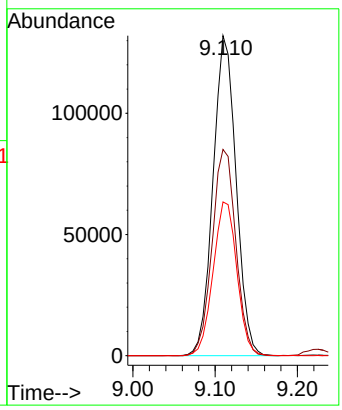
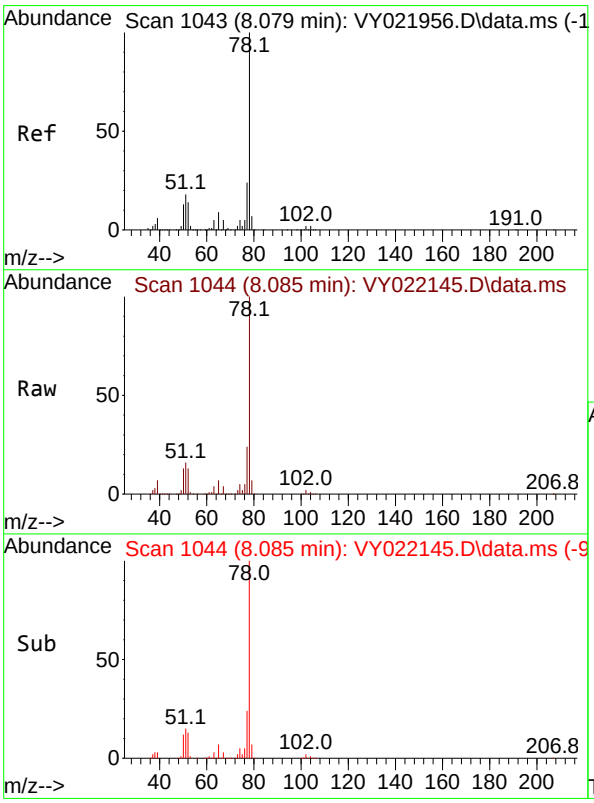
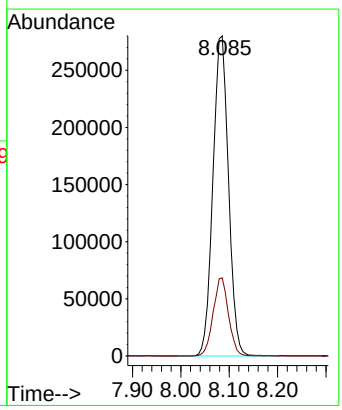


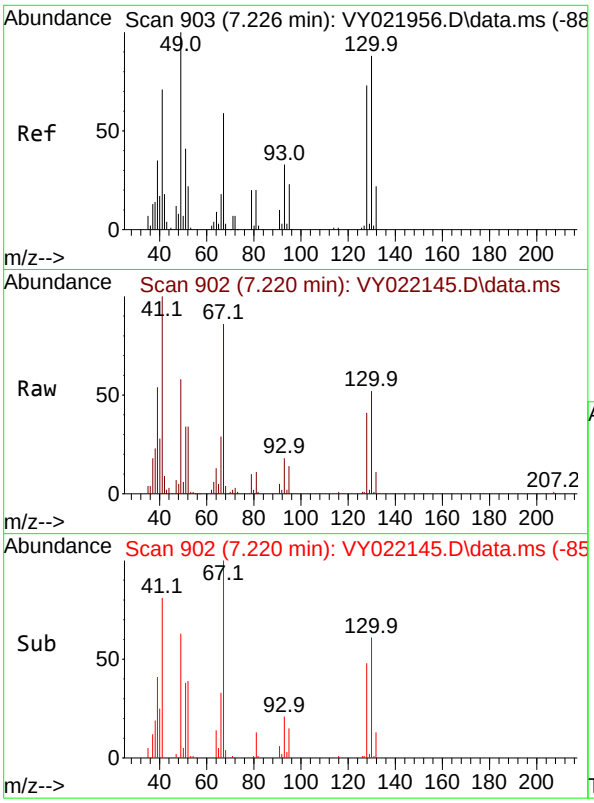


#40
Benzene
Concen: 50.056 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 78 Resp: 625230

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9

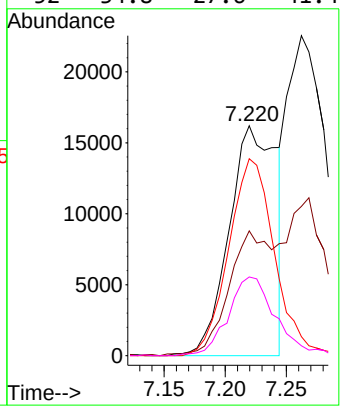




#41
Methacrylonitrile
Concen: 55.458 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 41 Resp: 4350

Ion	Ratio	Lower	Upper
41	100		
39	47.6	36.6	55.0
67	83.8	72.2	108.4
52	34.8	27.6	41.4



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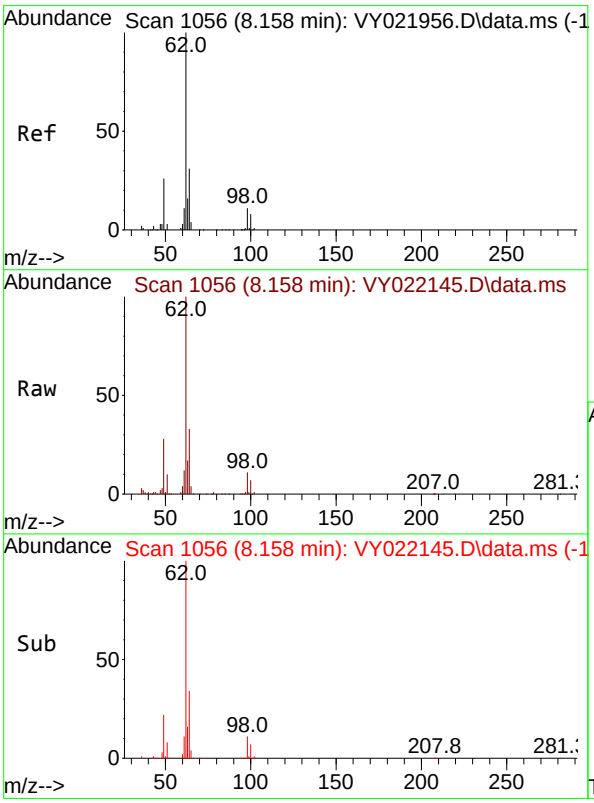
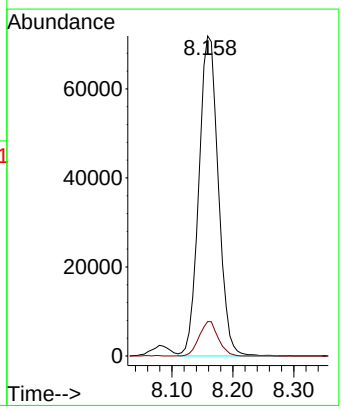
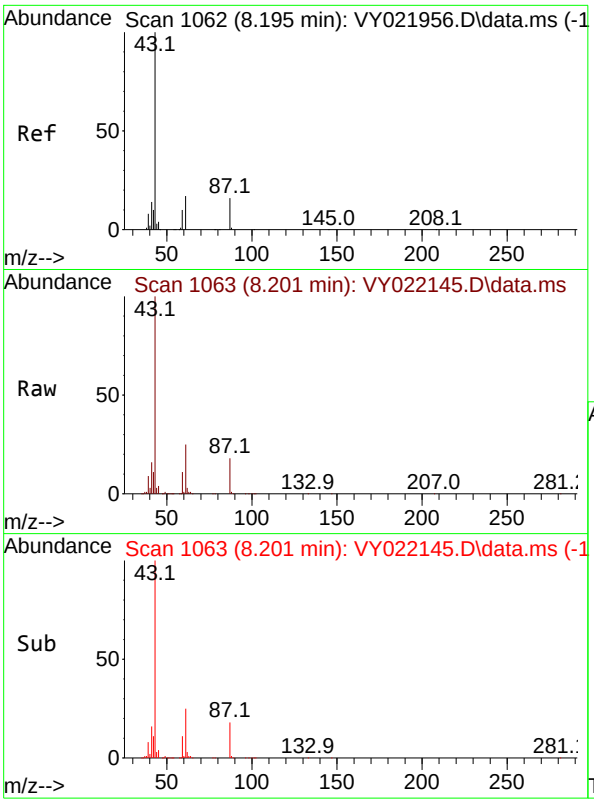


#42
1,2-Dichloroethane
Concen: 51.493 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 62 Resp: 159242

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	22.0

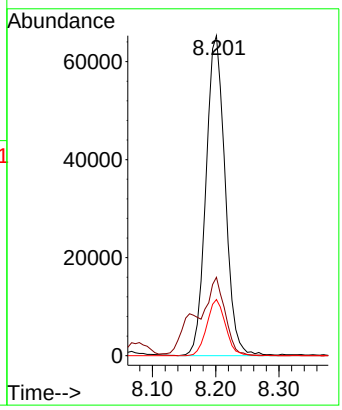




#43
Isopropyl Acetate
Concen: 49.819 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 13729

Ion	Ratio	Lower	Upper
43	100		
61	23.0	18.9	28.3
87	17.1	13.7	20.5



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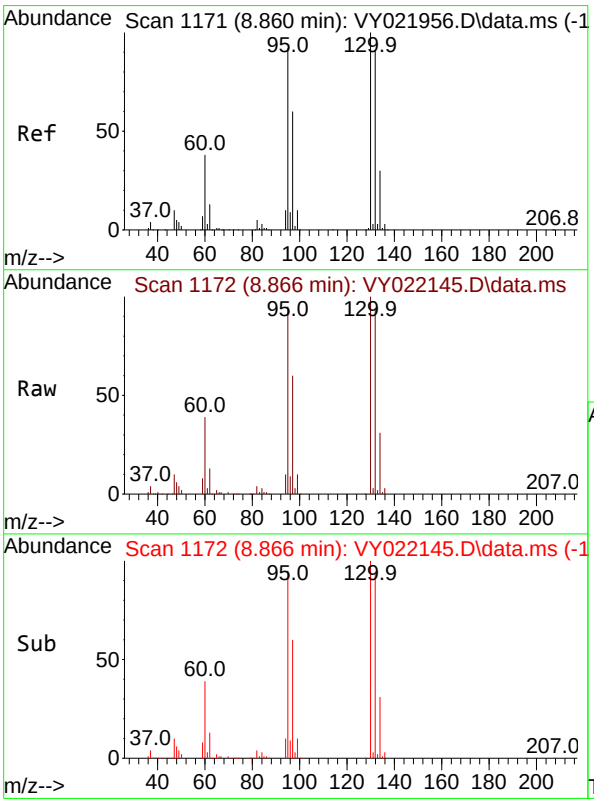
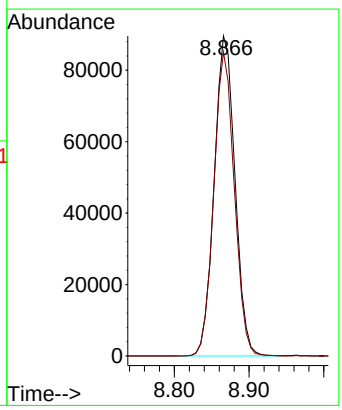
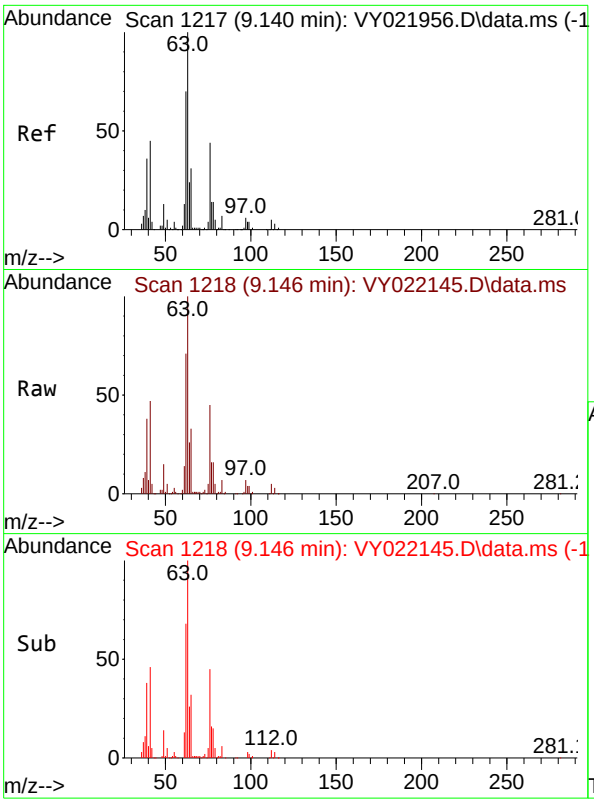


#44
Trichloroethene
Concen: 50.021 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:130 Resp: 173060

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	183.2





#45
1,2-Dichloropropane
Concen: 51.207 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 63 Resp: 14144

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.2	37.8

Instrument :
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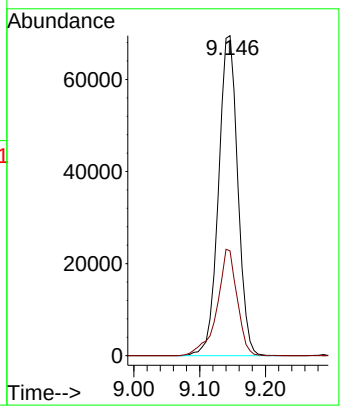
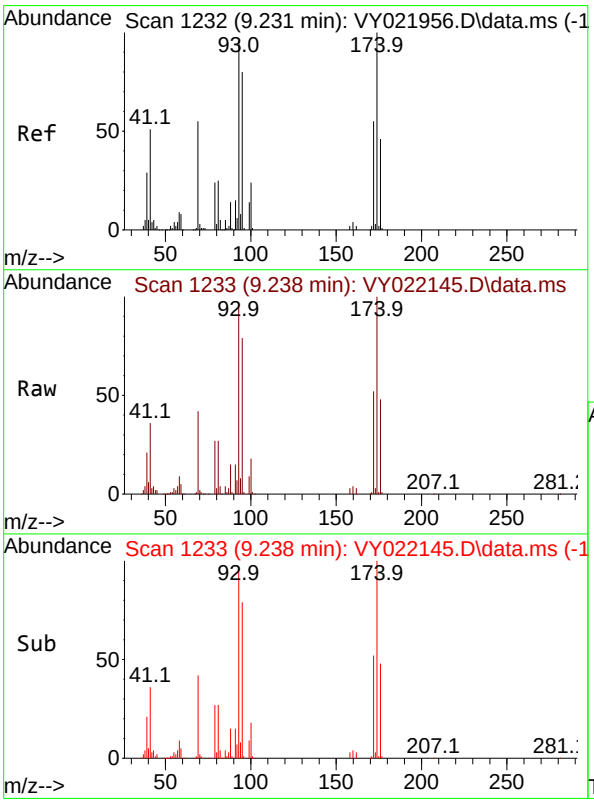
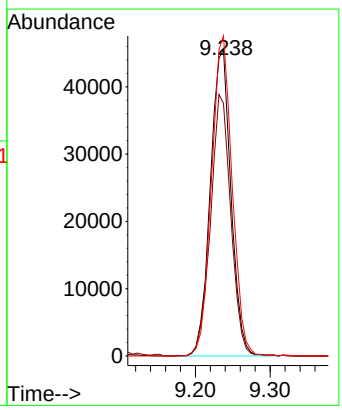


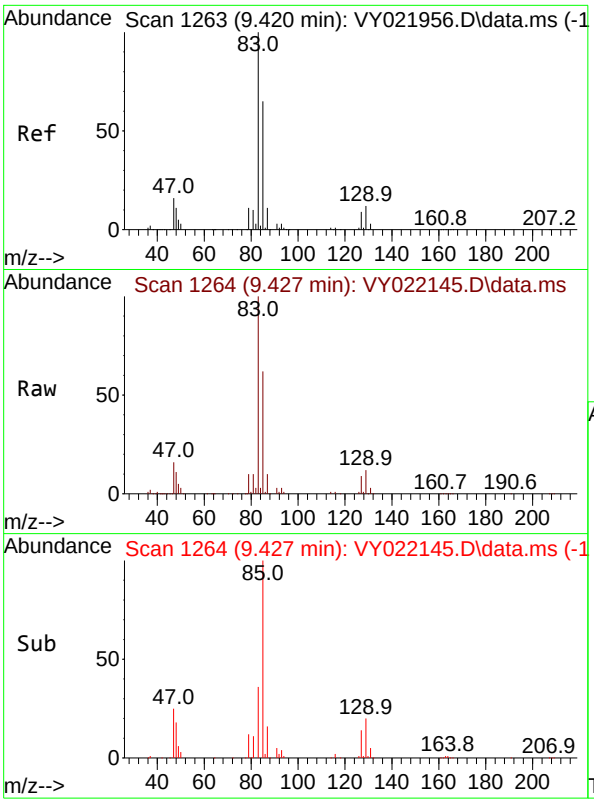


#46
Dibromomethane
Concen: 50.312 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 93 Resp: 86996

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.7	100.1
174	104.7	84.6	127.0

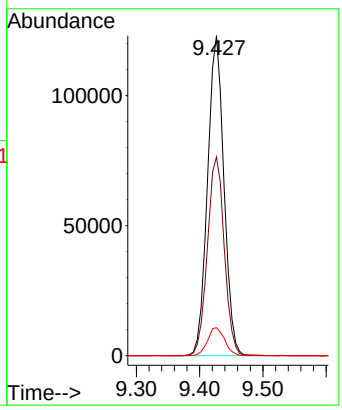




#47
Bromodichloromethane
Concen: 51.319 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 83 Resp: 22167

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.8
127	8.8	7.0	10.6



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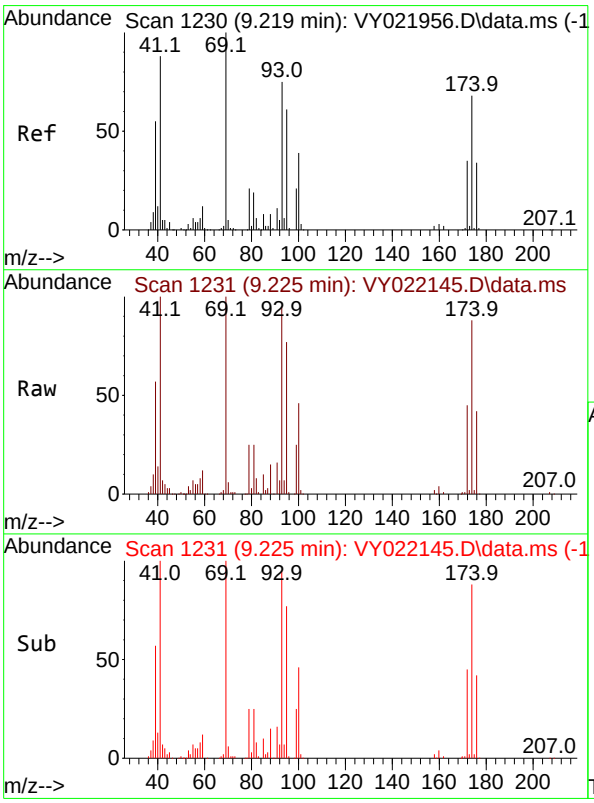
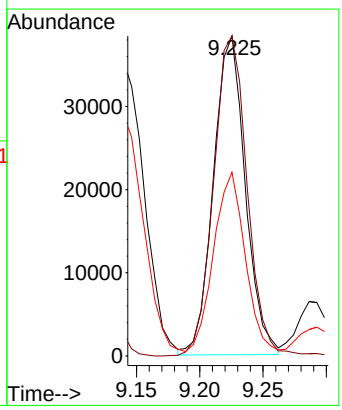
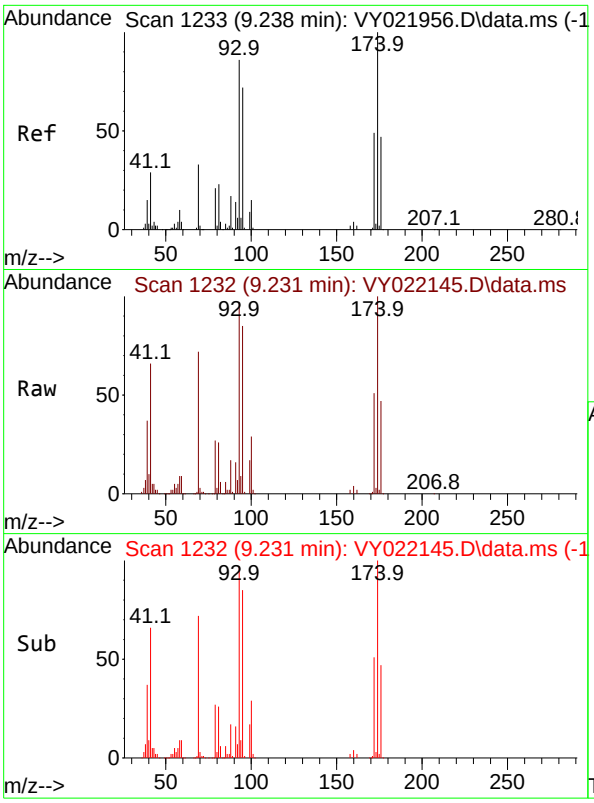


#48
Methyl methacrylate
Concen: 52.721 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 41 Resp: 67168

Ion	Ratio	Lower	Upper
41	100		
69	105.8	85.5	128.3
39	55.4	46.2	69.4





#49
1,4-Dioxane
Concen: 997.352 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 88 Resp: 1838

Ion	Ratio	Lower	Upper
88	100		
43	25.1	21.3	31.9
58	62.2	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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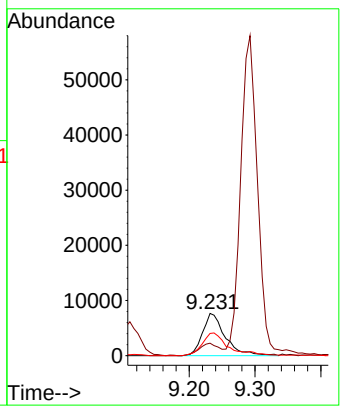
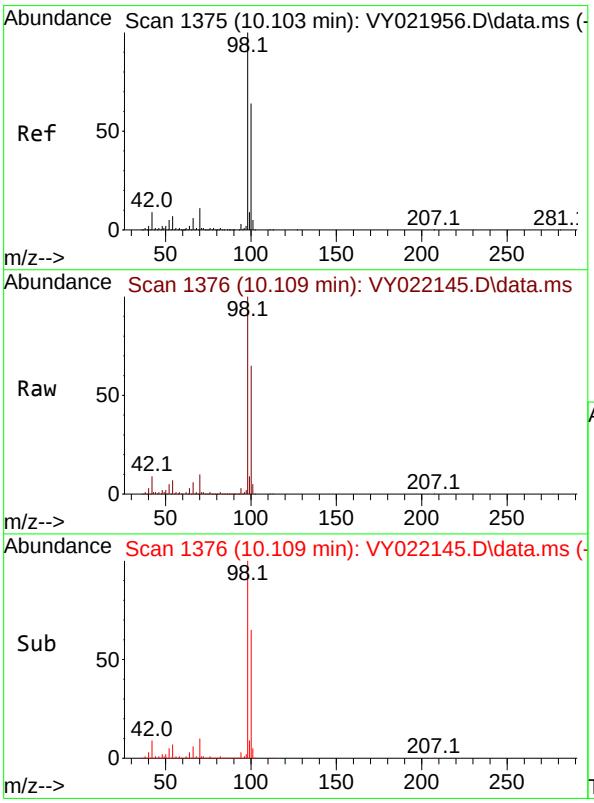
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

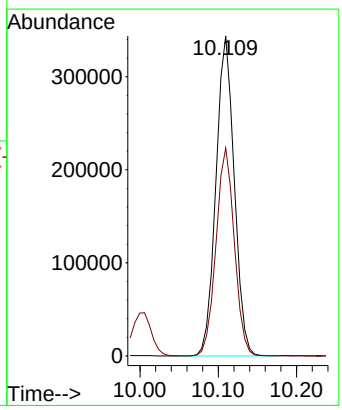


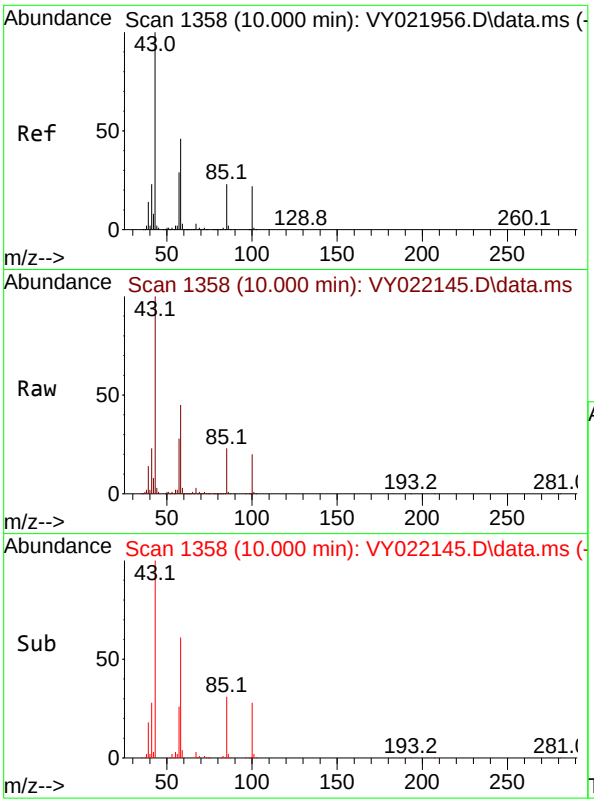


#50
Toluene-d8
Concen: 49.907 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 98 Resp: 559680

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 264.723 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 38244

Ion	Ratio	Lower	Upper
43	100		
58	45.1	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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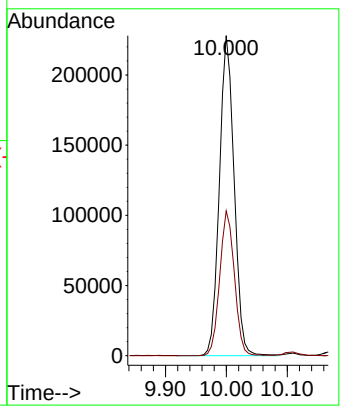
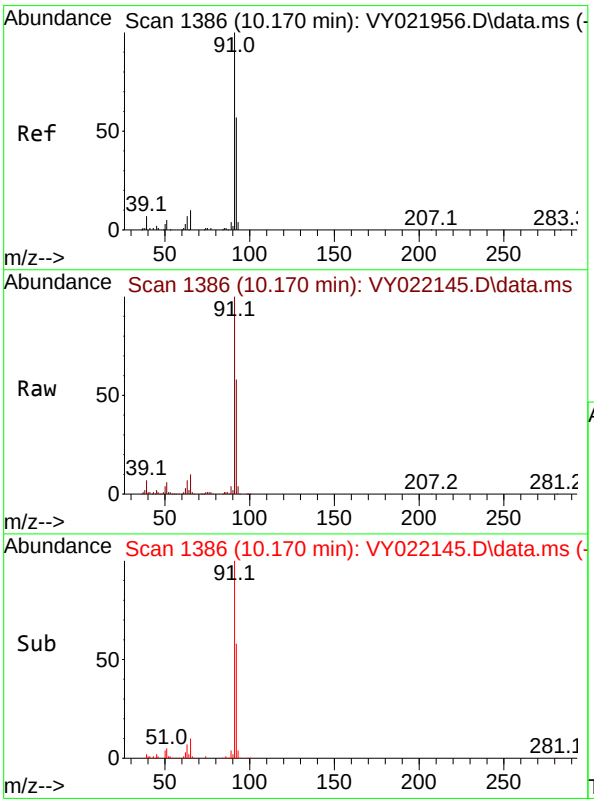
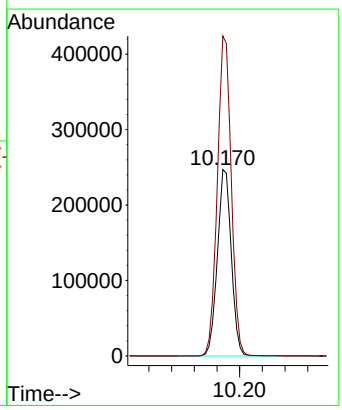


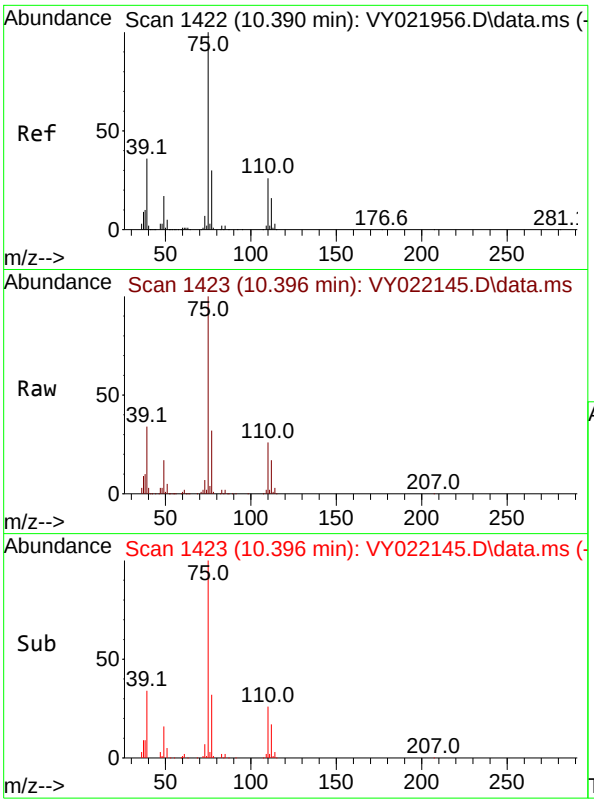


#52
Toluene
Concen: 51.956 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 92 Resp: 420077

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 51.928 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 19240

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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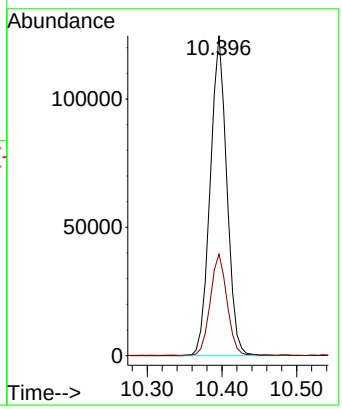
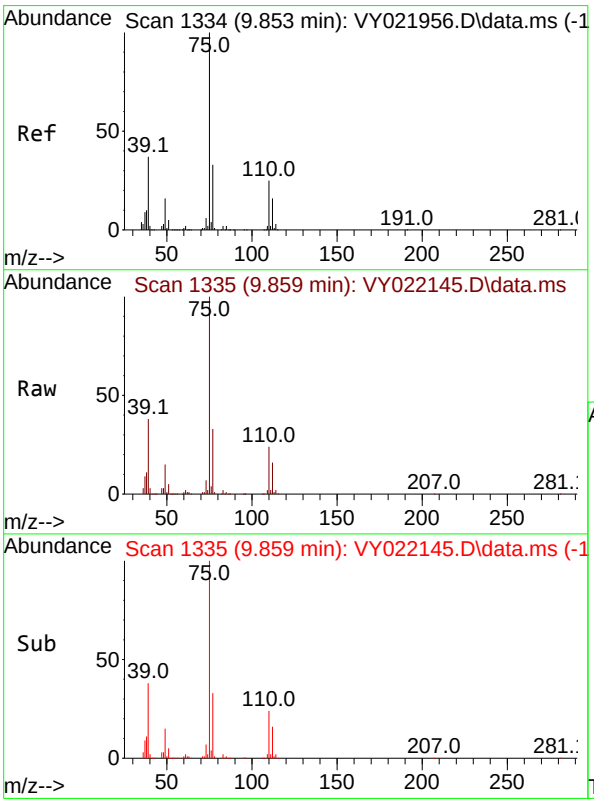
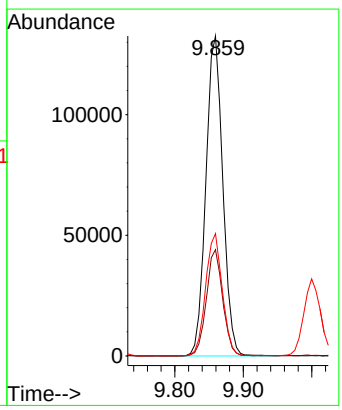


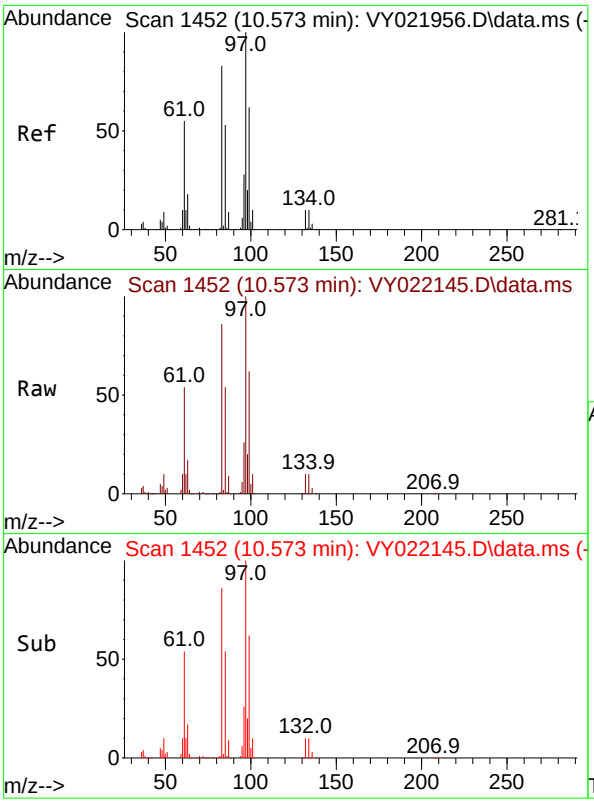


#54
cis-1,3-Dichloropropene
Concen: 51.667 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 227562

Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.6	40.0
39	38.2	29.6	44.4

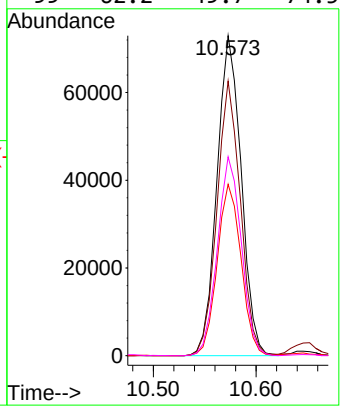




#55
1,1,2-Trichloroethane
Concen: 51.742 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 97 Resp: 11951

Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.7	100.1
85	53.6	42.6	64.0
99	62.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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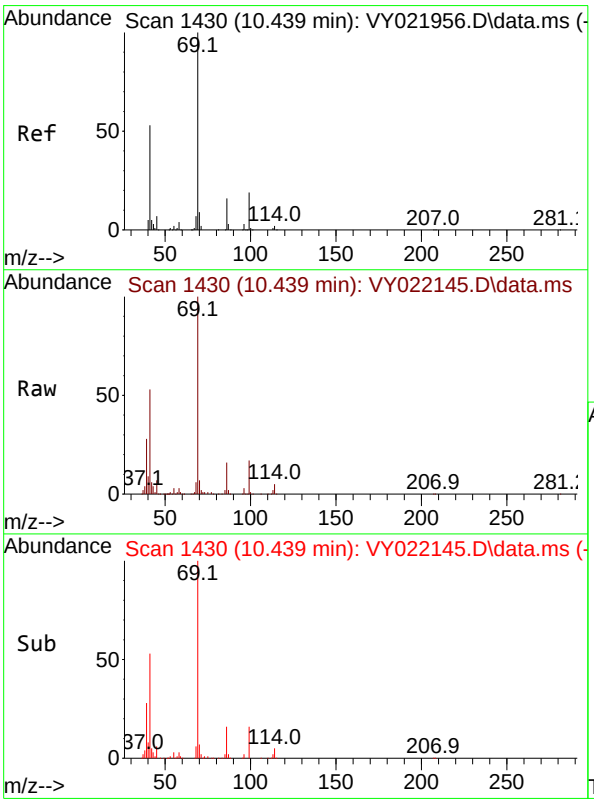
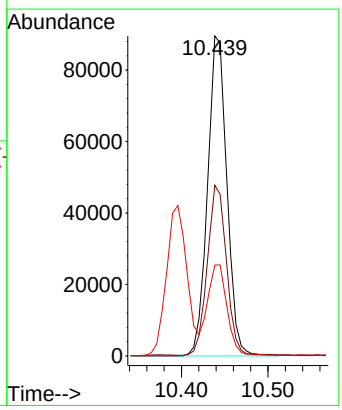
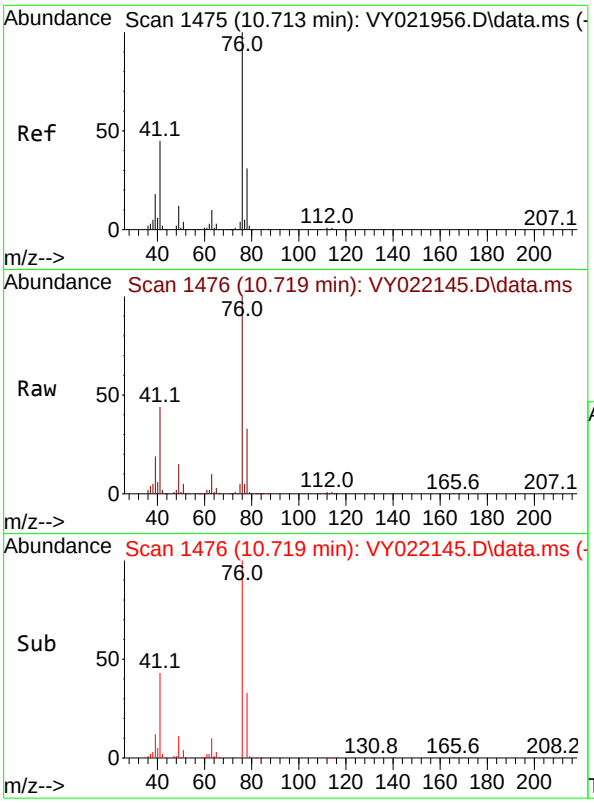


#56
Ethyl methacrylate
Concen: 52.583 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 69 Resp: 138889

Ion	Ratio	Lower	Upper
69	100		
41	52.5	40.7	61.1
39	28.7	23.3	34.9





#57
1,3-Dichloropropane
Concen: 51.177 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 76 Resp: 18949

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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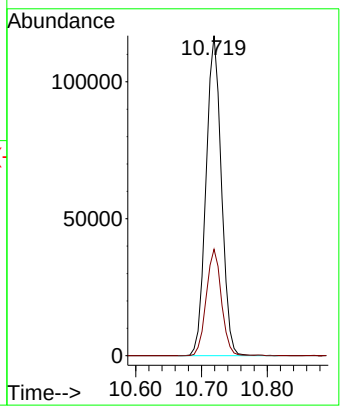
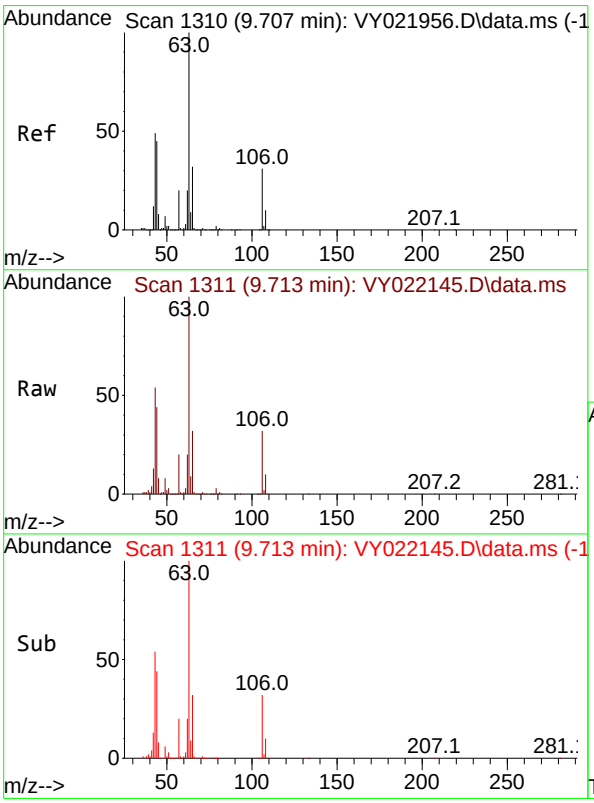
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

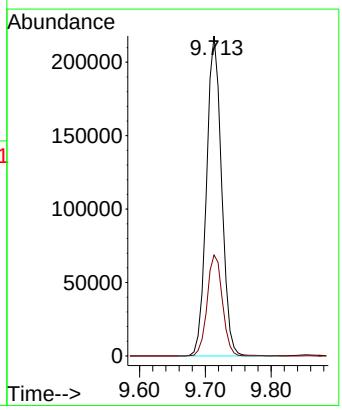


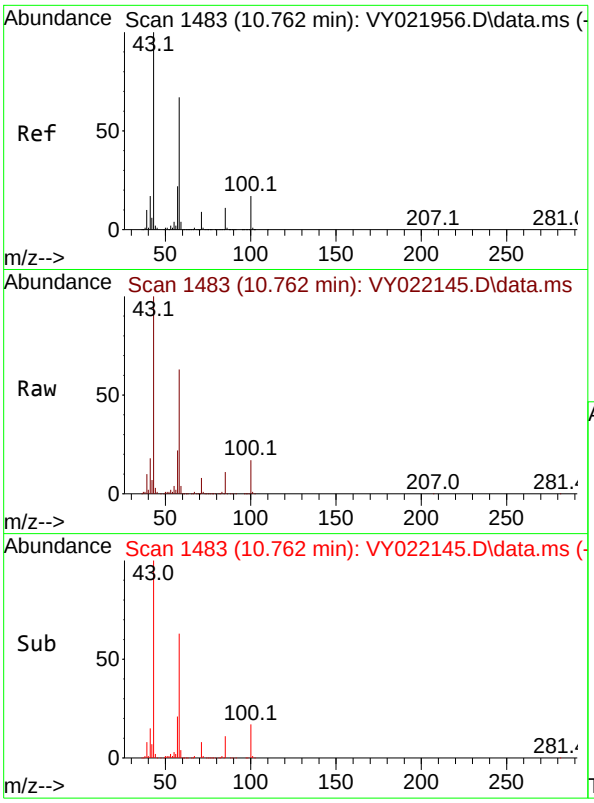


#58
2-Chloroethyl Vinyl ether
Concen: 268.418 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 63 Resp: 346642

Ion	Ratio	Lower	Upper
63	100		
106	32.0	25.3	37.9





#59
2-Hexanone
Concen: 267.843 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 25523(

Ion	Ratio	Lower	Upper
43	100		
58	62.3	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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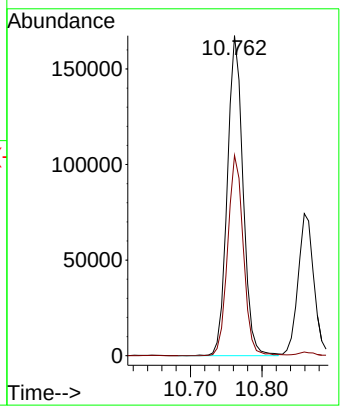
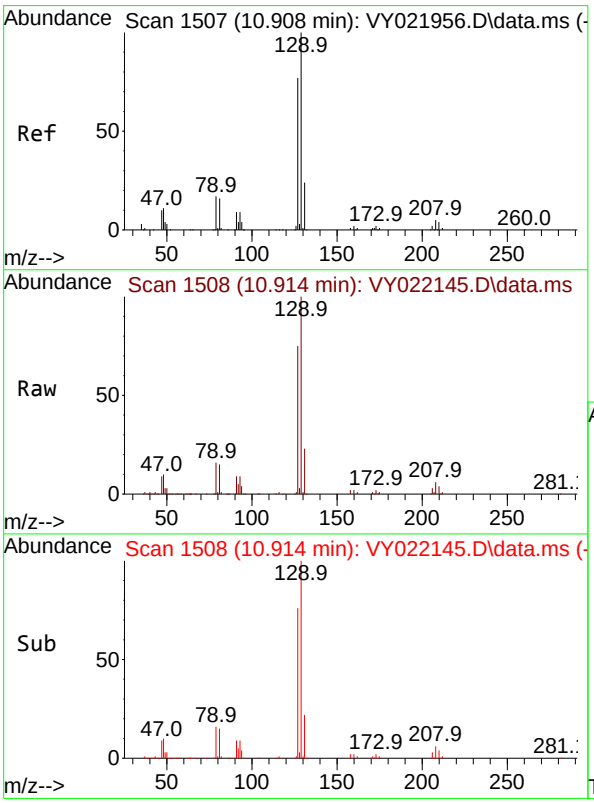
Supervised By :Semsettin Yesilyurt 05/06/2025

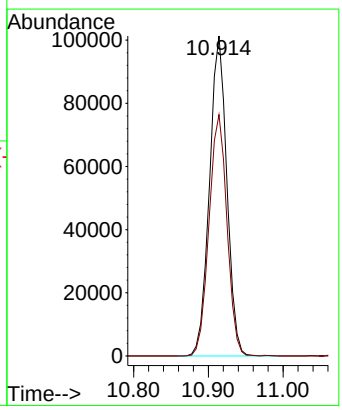


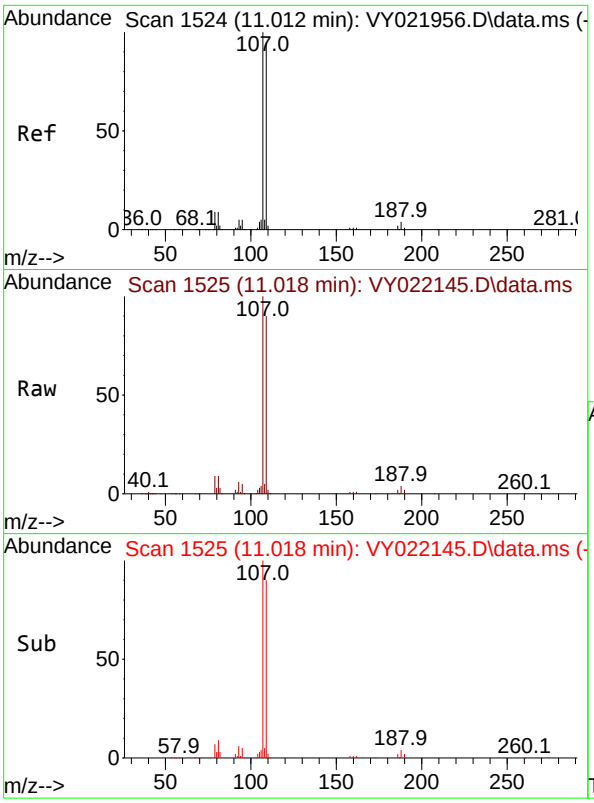


#60
Dibromochloromethane
Concen: 51.138 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:129 Resp: 163529

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.3

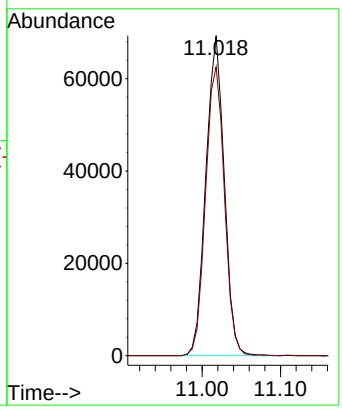




#61
1,2-Dibromoethane
Concen: 51.775 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:107 Resp: 11289

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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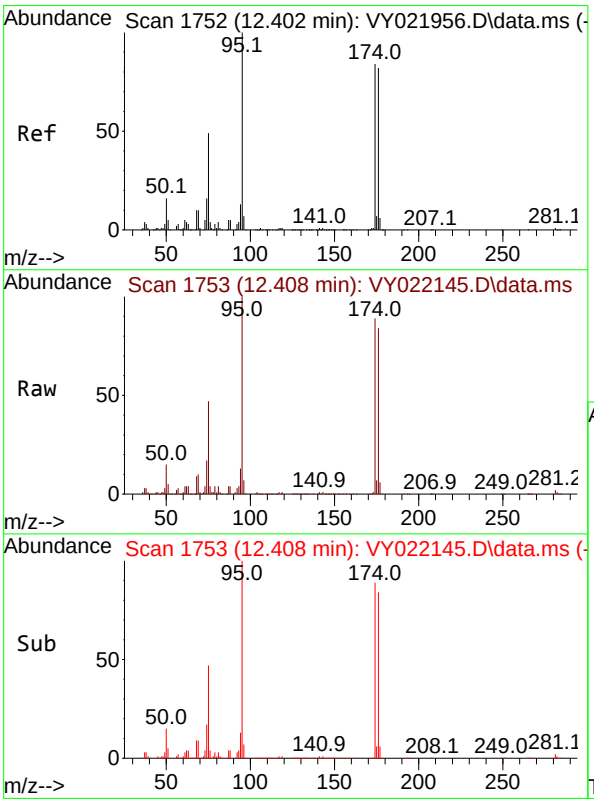
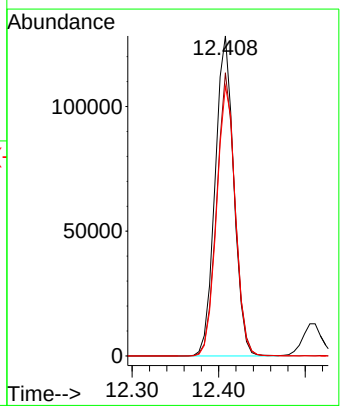
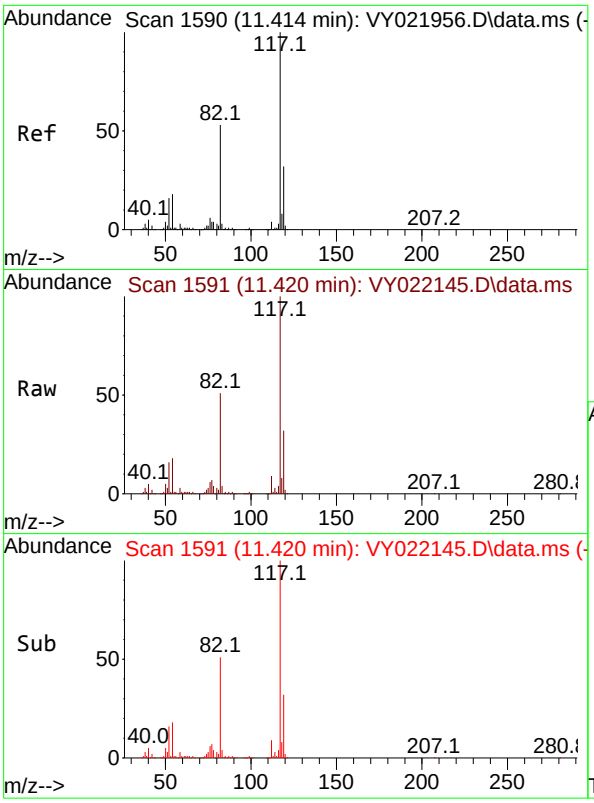


#62
4-Bromofluorobenzene
Concen: 50.932 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 95 Resp: 192281

Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	179.0
176	84.7	0.0	171.8

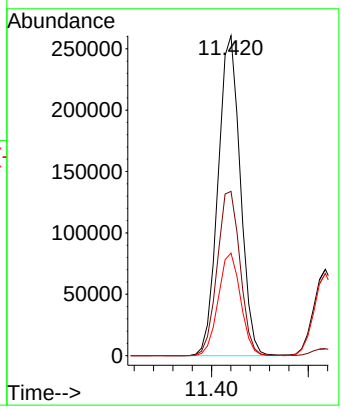




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:117 Resp: 41560

Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.1	63.1
119	32.1	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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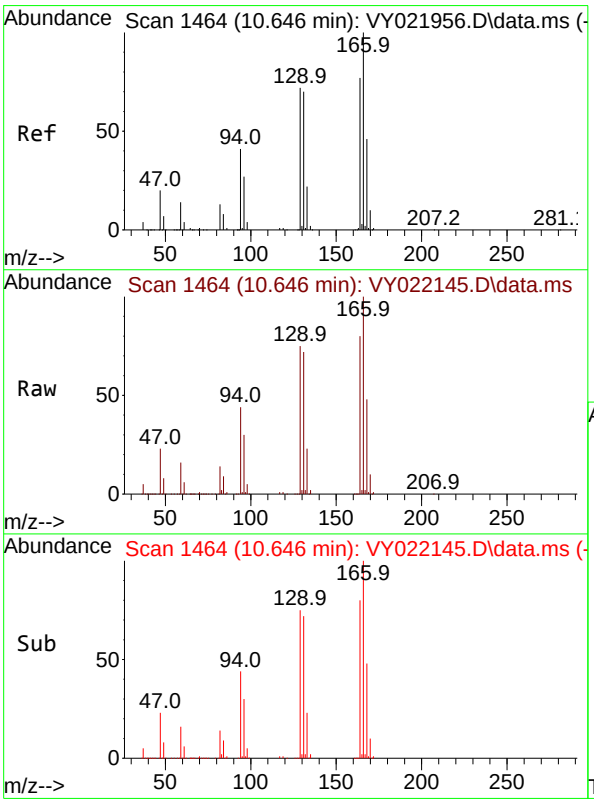
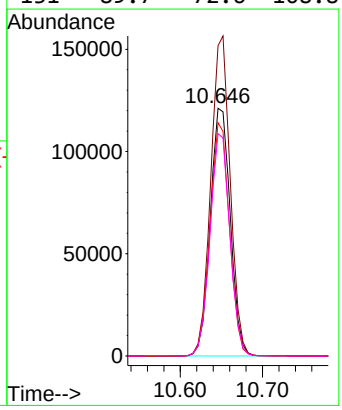
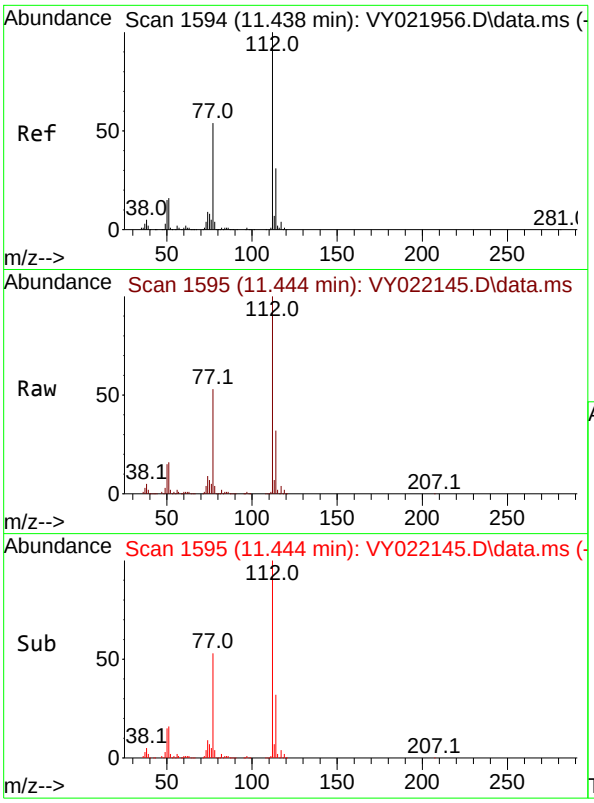


#64
Tetrachloroethene
Concen: 52.270 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:164 Resp: 204932

Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.6	155.4
129	94.2	74.2	111.4
131	89.7	72.6	108.8

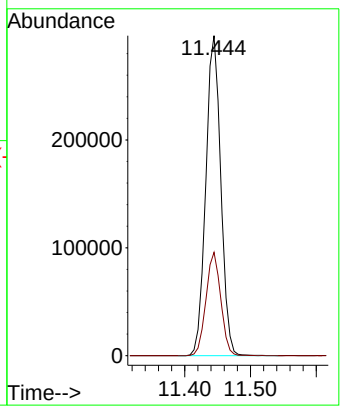




#65
Chlorobenzene
Concen: 50.610 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:112 Resp: 47036

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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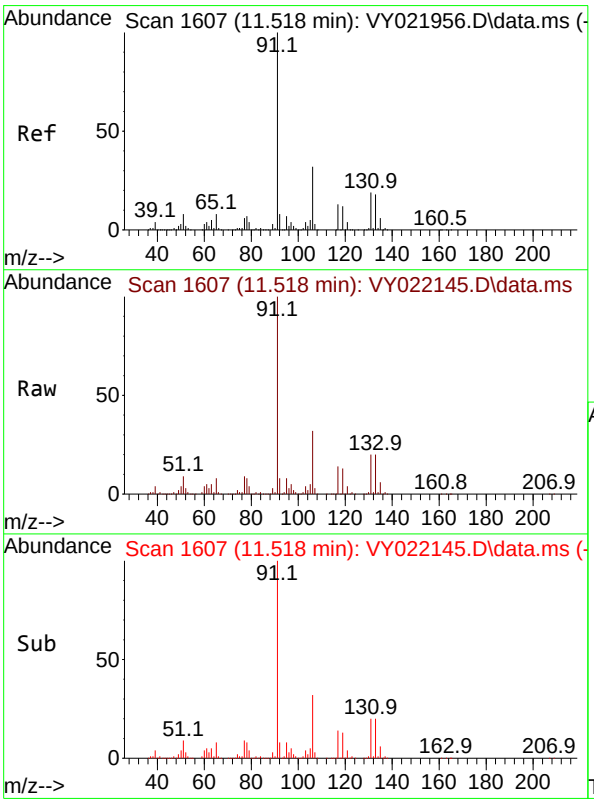
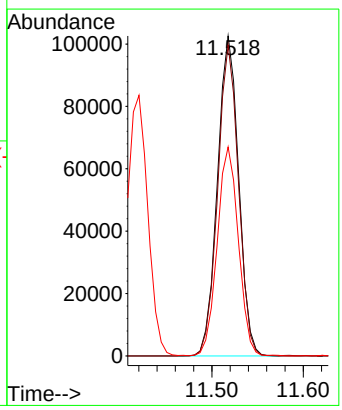
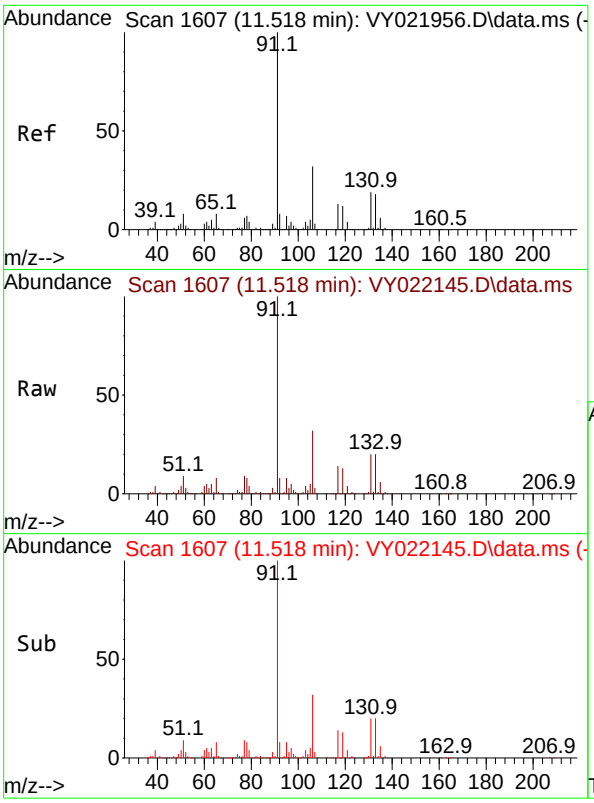


#66
1,1,1,2-Tetrachloroethane
Concen: 50.569 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:131 Resp: 165462

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.8	143.3
119	64.8	32.4	97.0

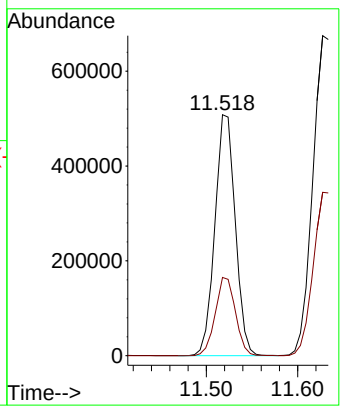




#67
Ethyl Benzene
Concen: 51.872 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 91 Resp: 78863

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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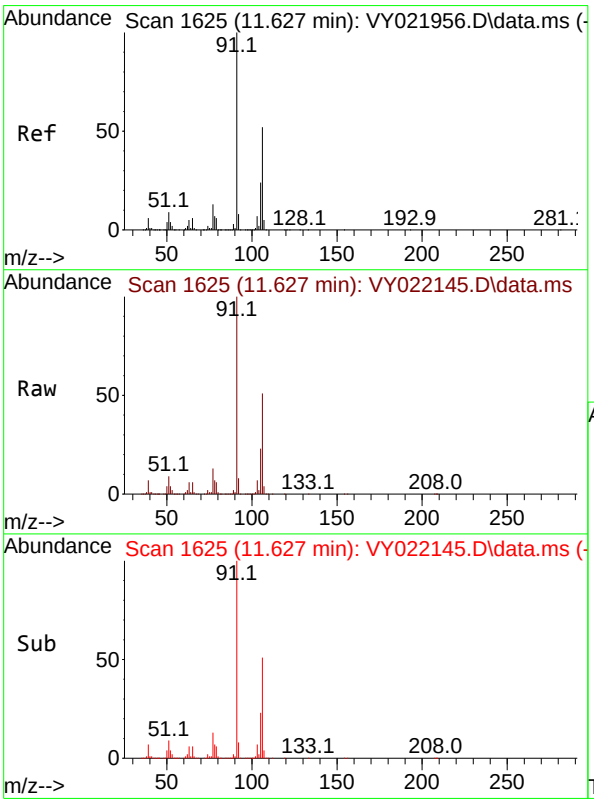
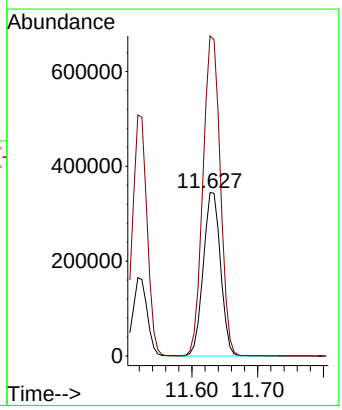
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

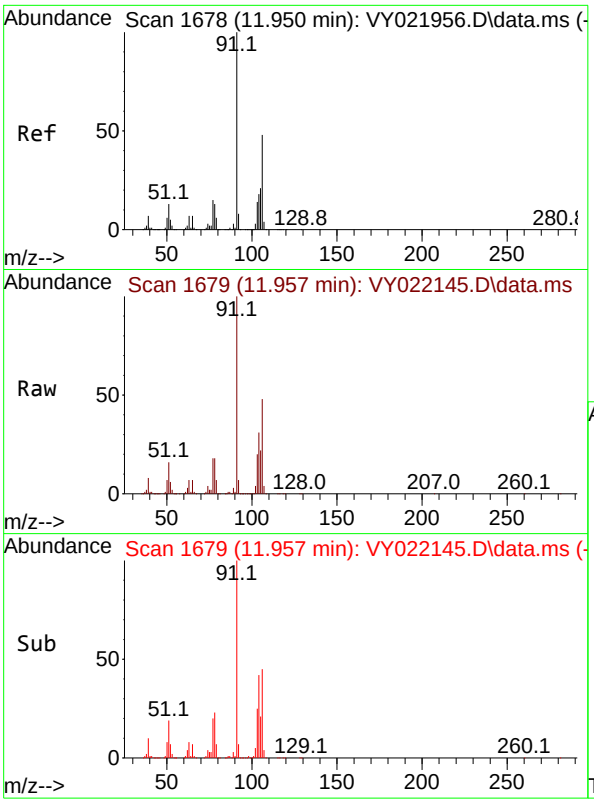


#68
m/p-Xylenes
Concen: 104.029 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:106 Resp: 629353

Ion	Ratio	Lower	Upper
106	100		
91	196.7	156.2	234.2





#69
o-Xylene
Concen: 52.398 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:106 Resp: 29217

Ion	Ratio	Lower	Upper
106	100		
91	207.6	103.0	308.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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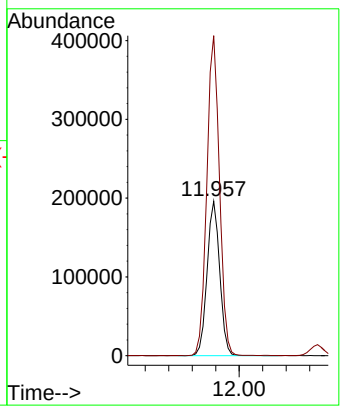
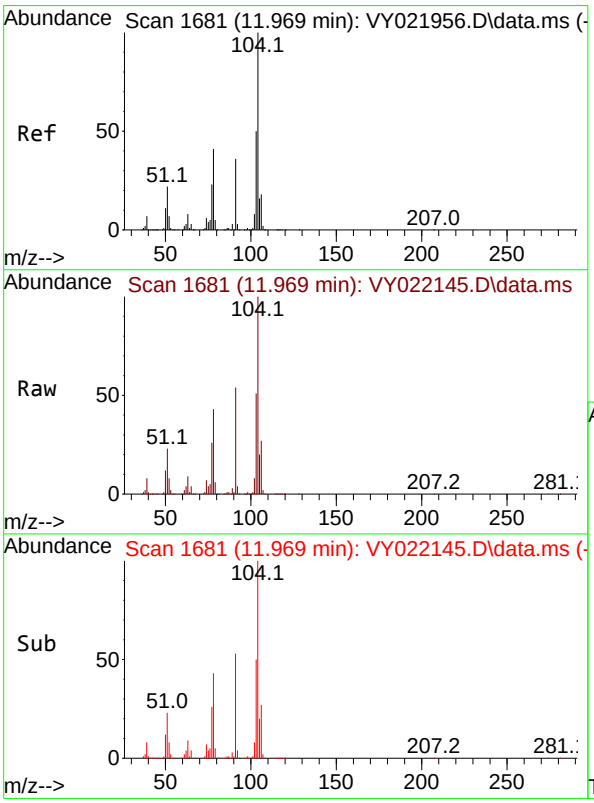
Supervised By :Semsettin Yesilyurt 05/06/2025

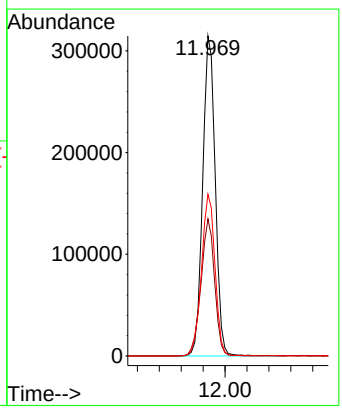


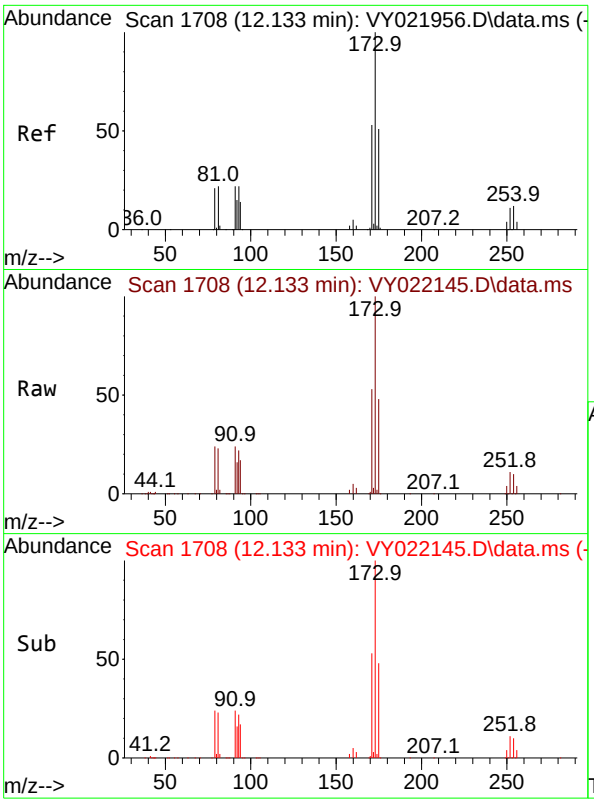


#70
Styrene
Concen: 53.321 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:104 Resp: 499203

Ion	Ratio	Lower	Upper
104	100		
78	46.4	36.6	54.8
103	54.6	43.8	65.8

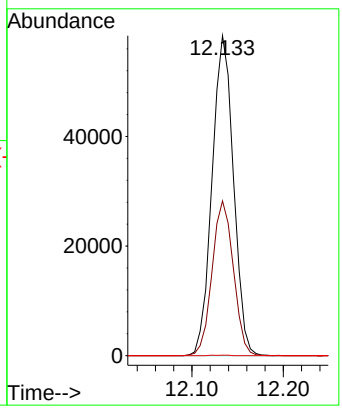




#71
Bromoform
Concen: 49.915 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:173 Resp: 9495

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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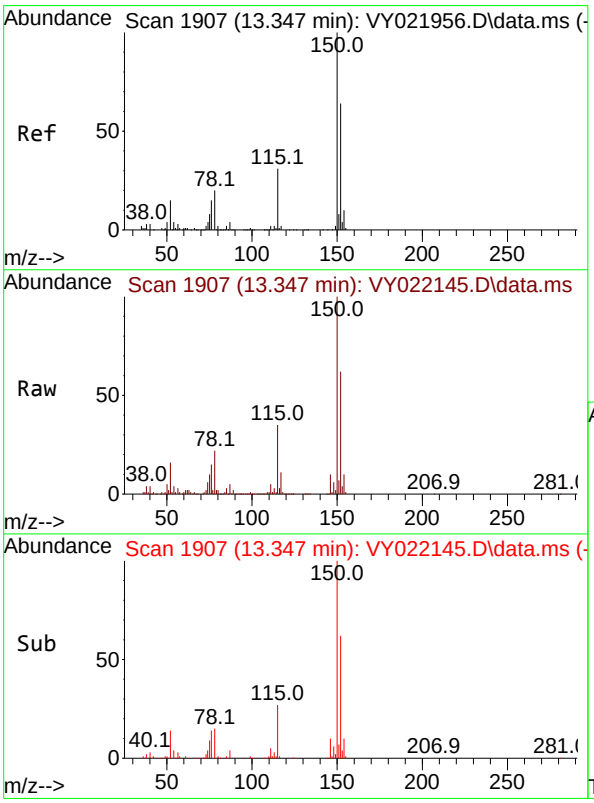
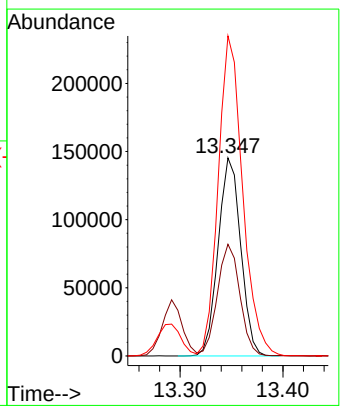
Supervised By :Semsettin Yesilyurt 05/06/2025

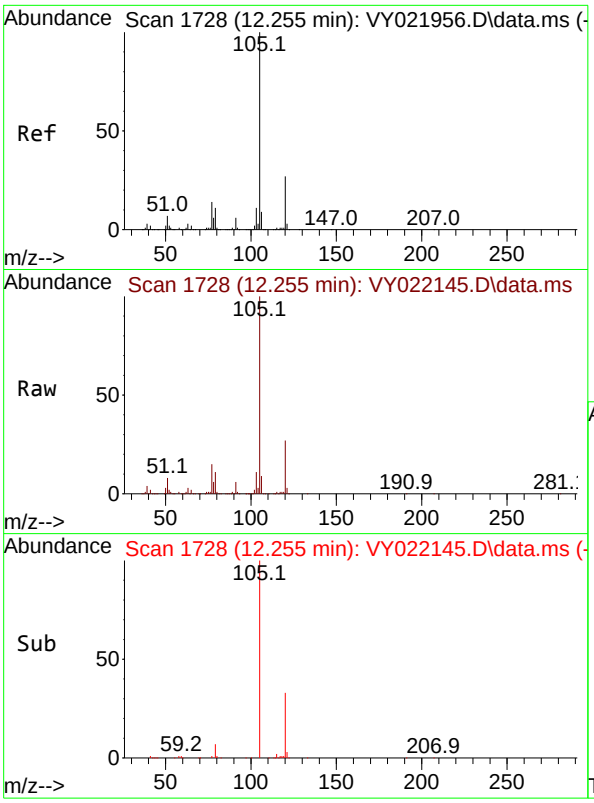


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:152 Resp: 221579

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	174.9	0.0	345.6

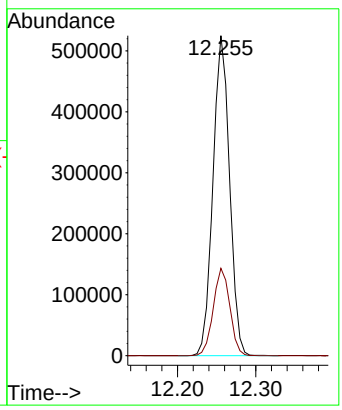




#73
Isopropylbenzene
Concen: 52.254 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:105 Resp: 77355

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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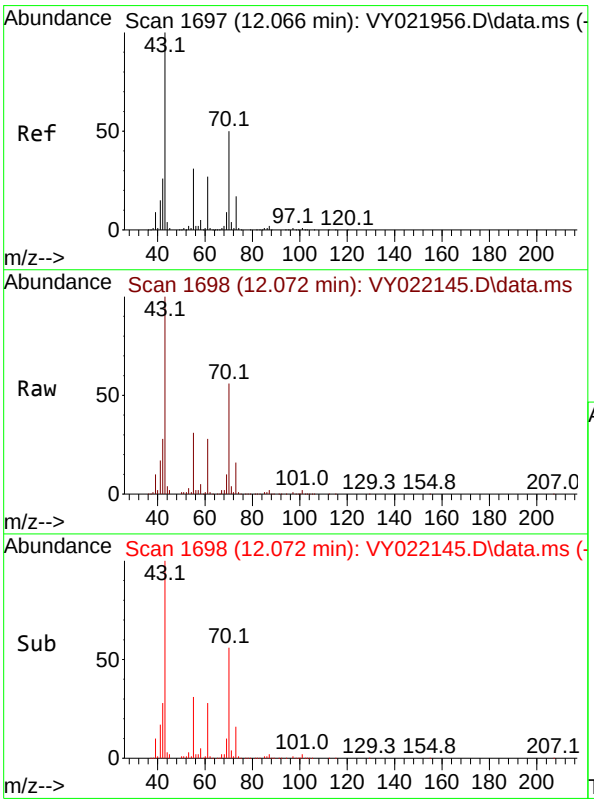
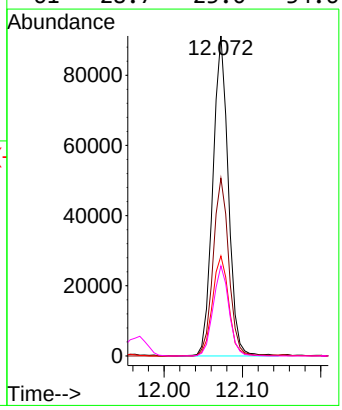
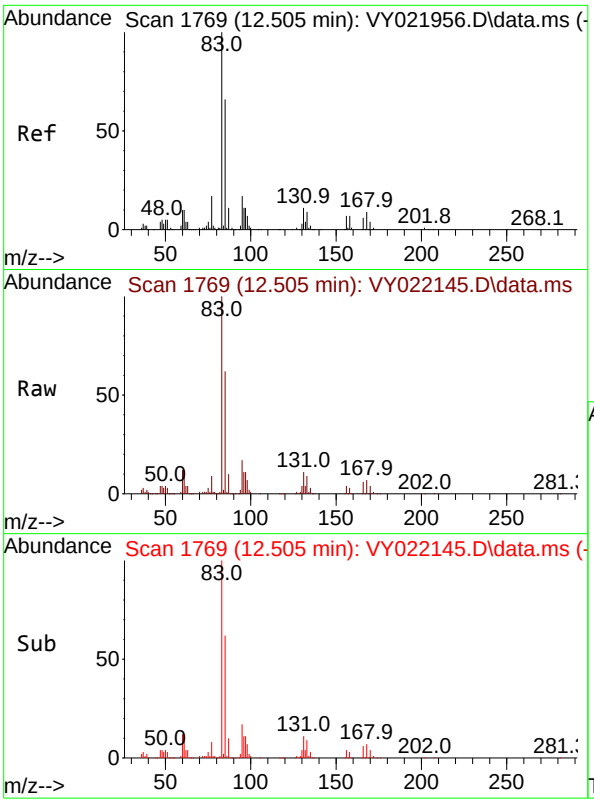


#74
N-amyl acetate
Concen: 49.288 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 125362

Ion	Ratio	Lower	Upper
43	100		
70	56.5	43.2	64.8
55	32.9	25.7	38.5
61	28.7	23.0	34.6

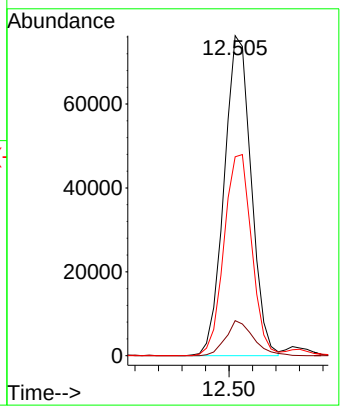




#75
1,1,2,2-Tetrachloroethane
Concen: 48.871 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 83 Resp: 12197

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.3	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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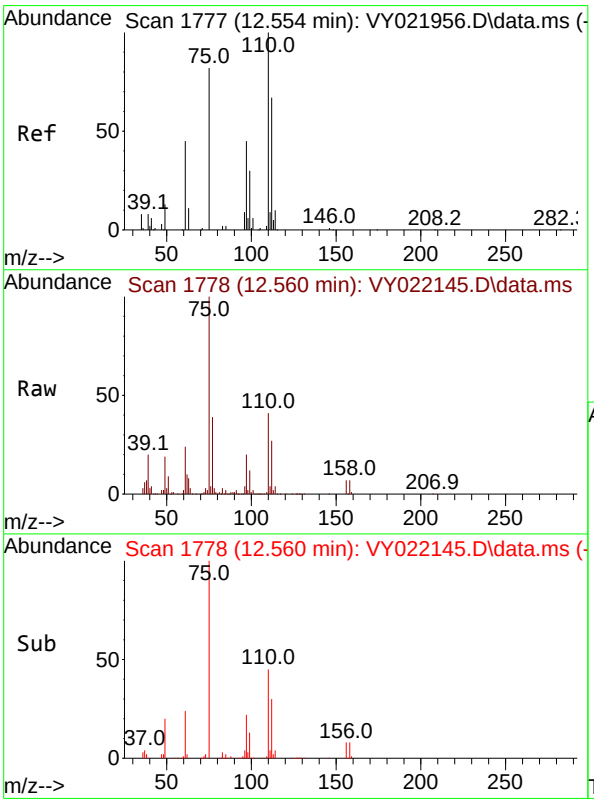
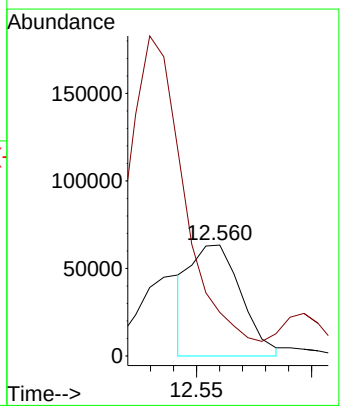
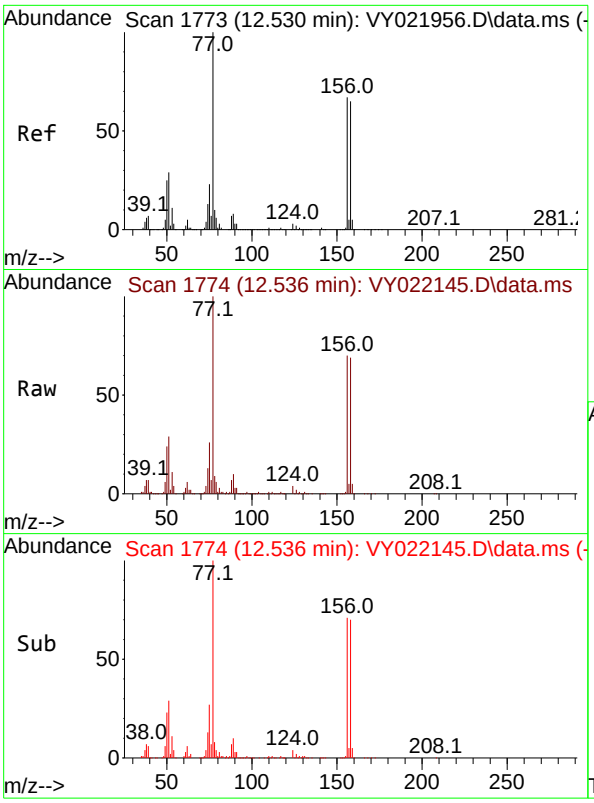


#76
1,2,3-Trichloropropane
Concen: 51.057 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 96902

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

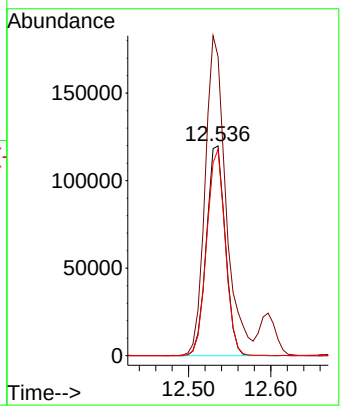




#77
Bromobenzene
Concen: 51.057 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:156 Resp: 19099

Ion	Ratio	Lower	Upper
156	100		
77	167.9	82.7	248.1
158	96.5	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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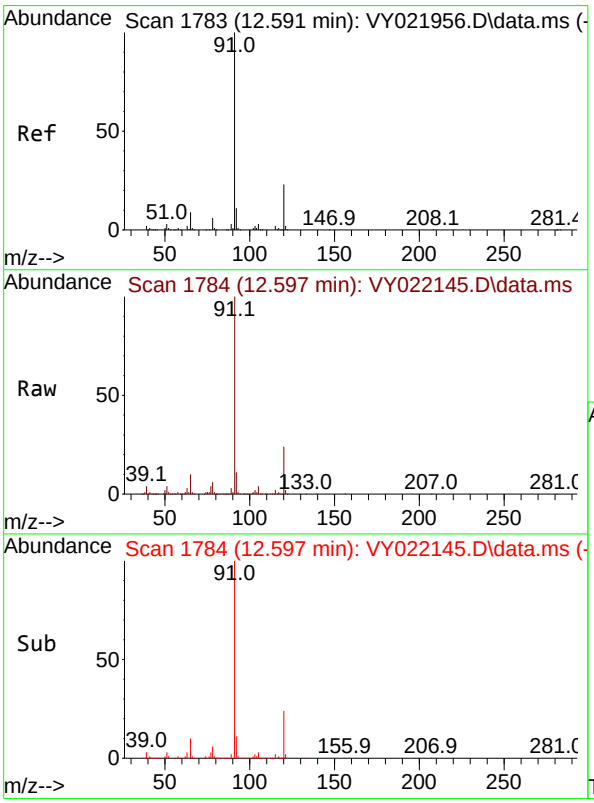
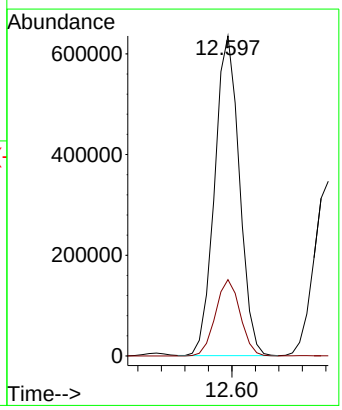
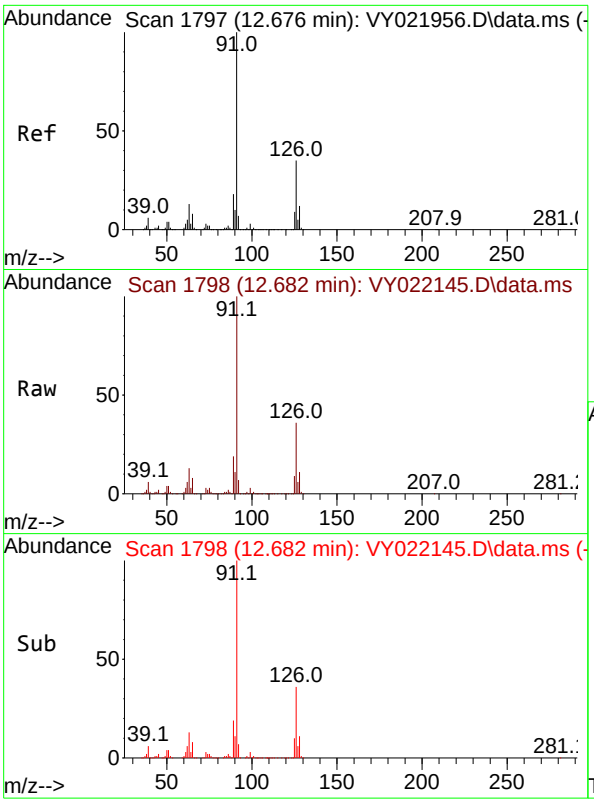


#78
n-propylbenzene
Concen: 52.656 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 91 Resp: 928299

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5

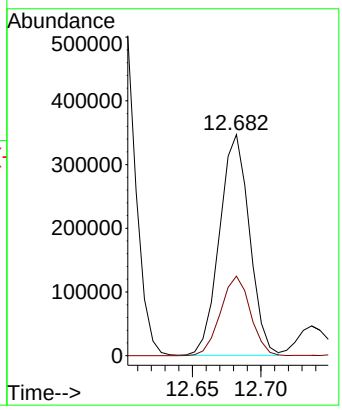




#79
2-Chlorotoluene
Concen: 51.489 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 91 Resp: 52790

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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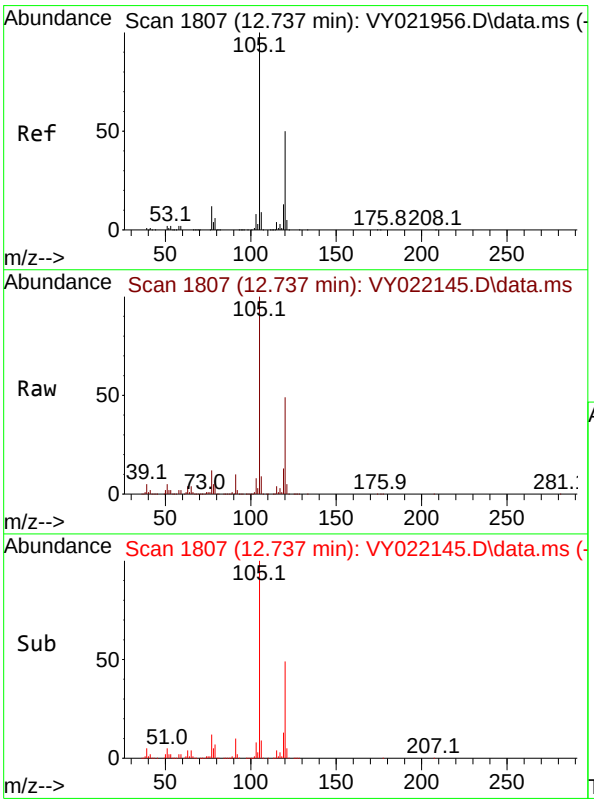
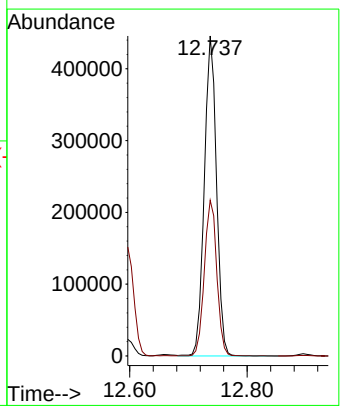
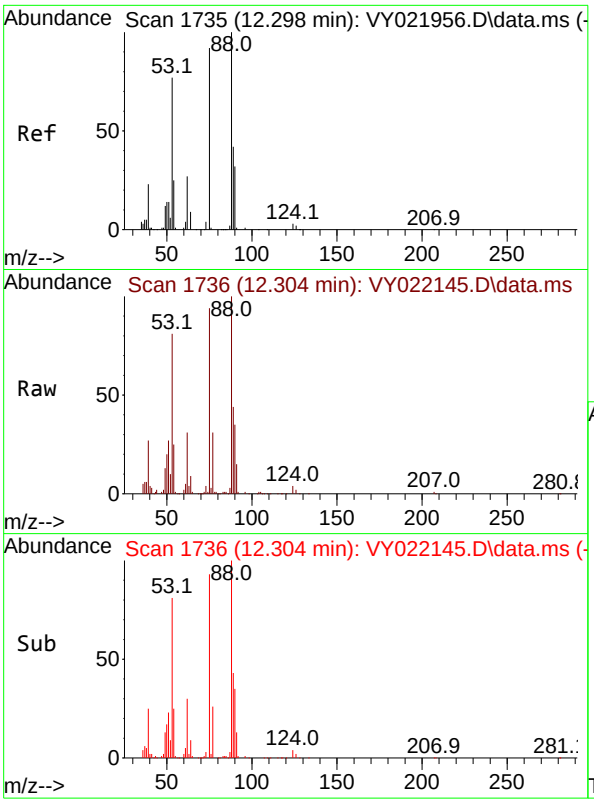


#80
1,3,5-Trimethylbenzene
Concen: 52.733 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:105 Resp: 643214

Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 50.520 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 3981

Ion	Ratio	Lower	Upper
75	100		
53	84.0	66.0	99.0
89	47.1	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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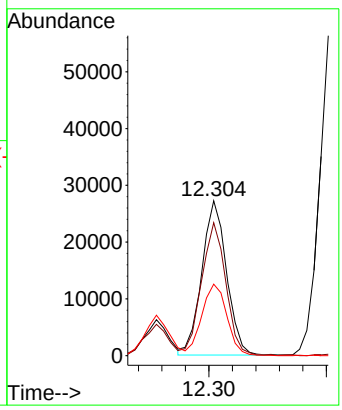
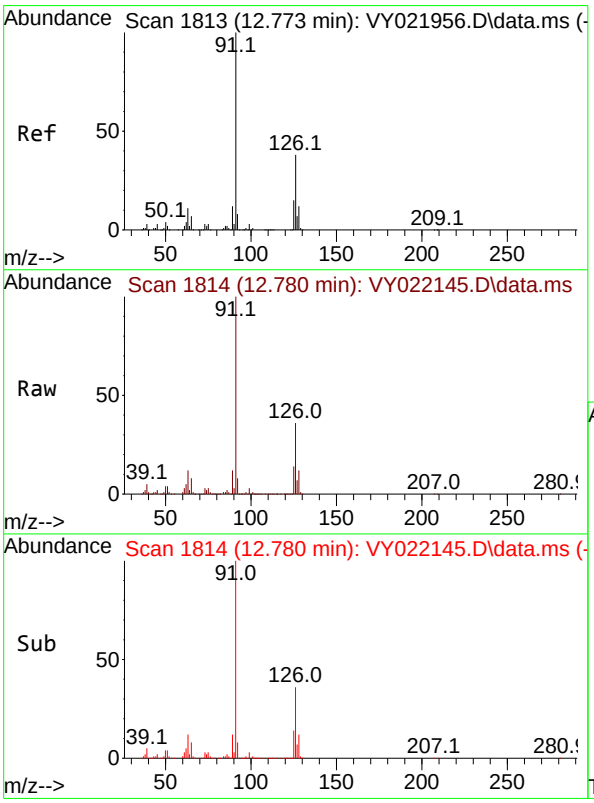
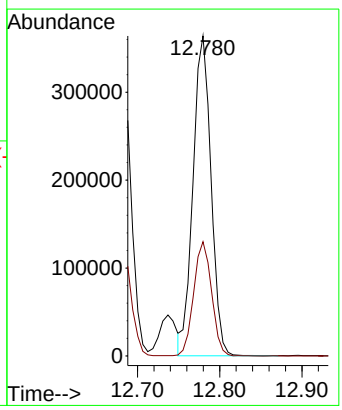


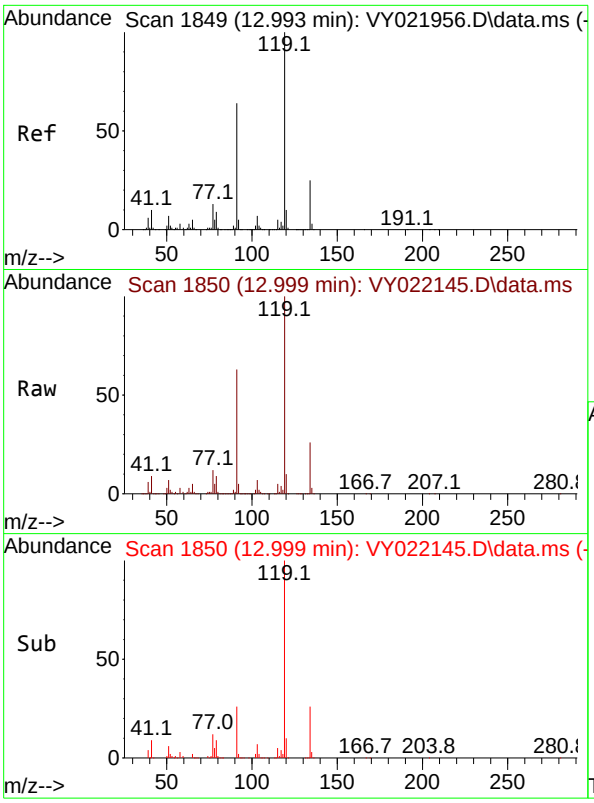


#82
4-Chlorotoluene
Concen: 51.909 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 91 Resp: 553248

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.8





#83
tert-Butylbenzene
Concen: 52.224 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:119 Resp: 57129

Ion	Ratio	Lower	Upper
119	100		
91	62.8	30.3	90.9
134	26.2	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
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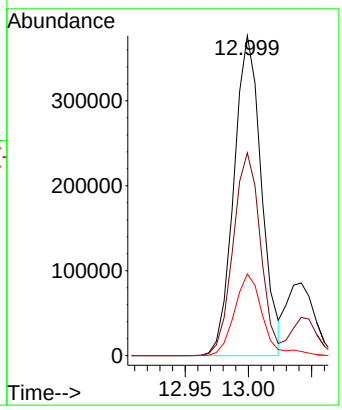
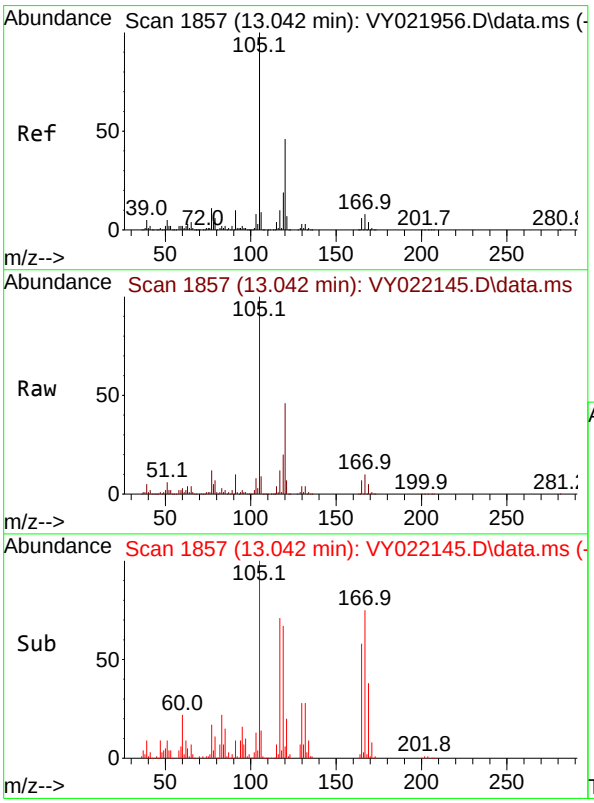
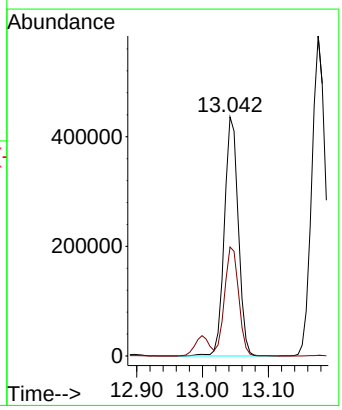


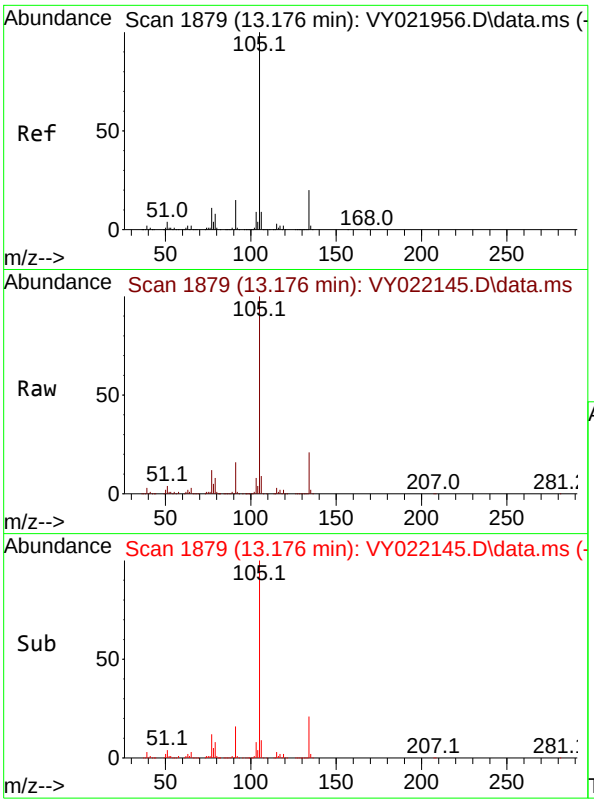


#84
1,2,4-Trimethylbenzene
Concen: 52.705 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:105 Resp: 643015

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0





#85
sec-Butylbenzene
Concen: 52.666 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:105 Resp: 84305

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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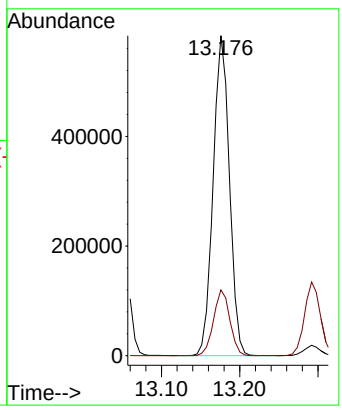
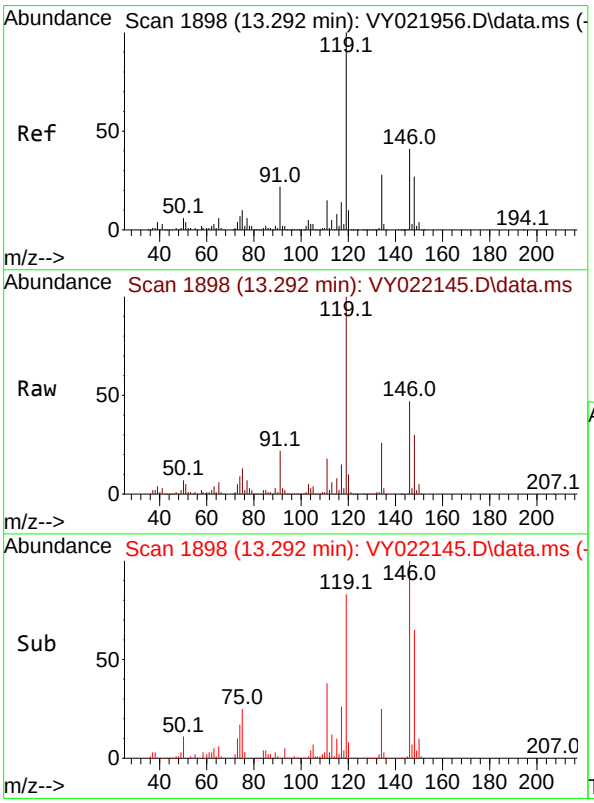
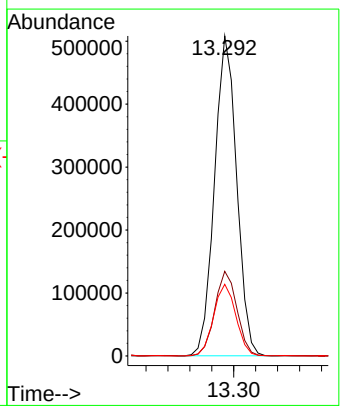


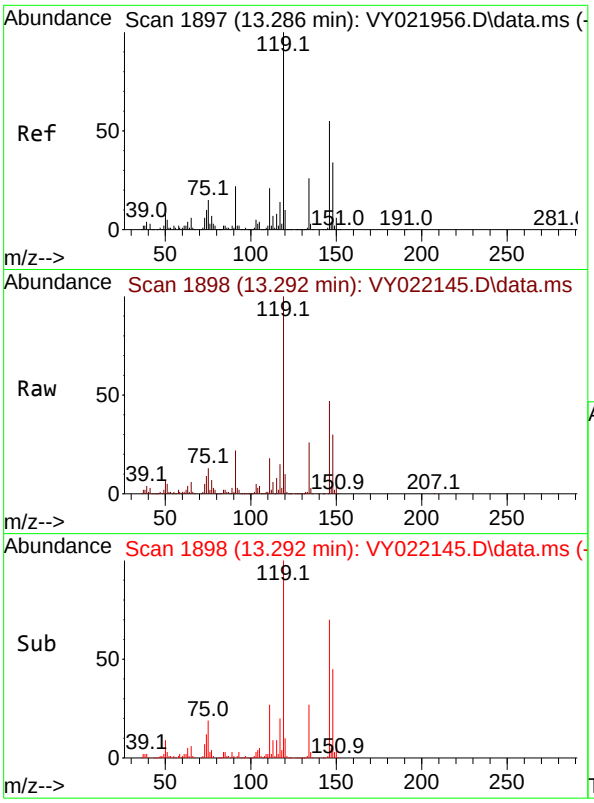


#86
p-Isopropyltoluene
Concen: 52.460 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:119 Resp: 713078

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.6	40.7
91	22.4	11.0	33.0

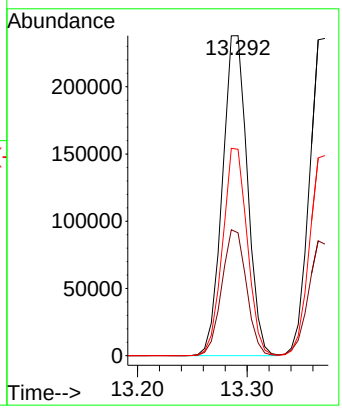




#87
1,3-Dichlorobenzene
Concen: 49.477 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:146 Resp: 37590

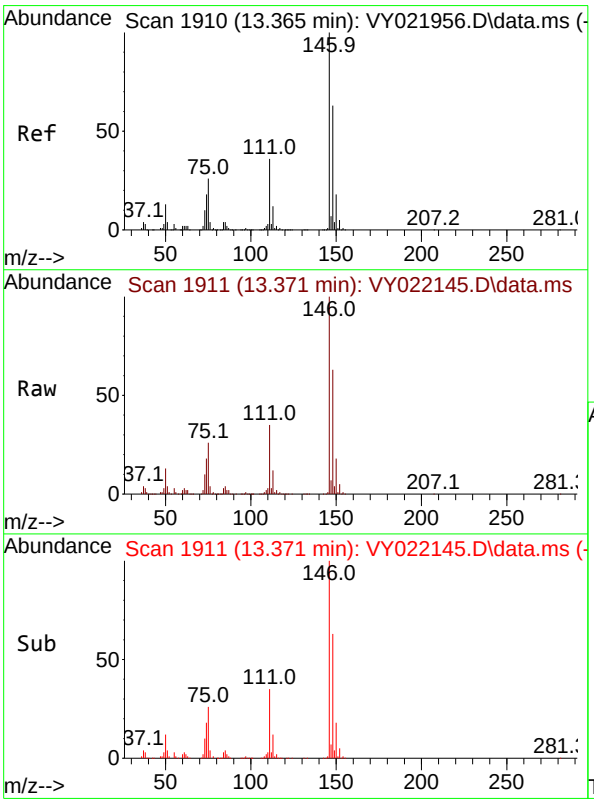
Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.5
148	64.1	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

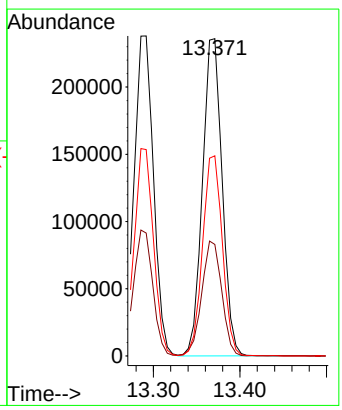
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

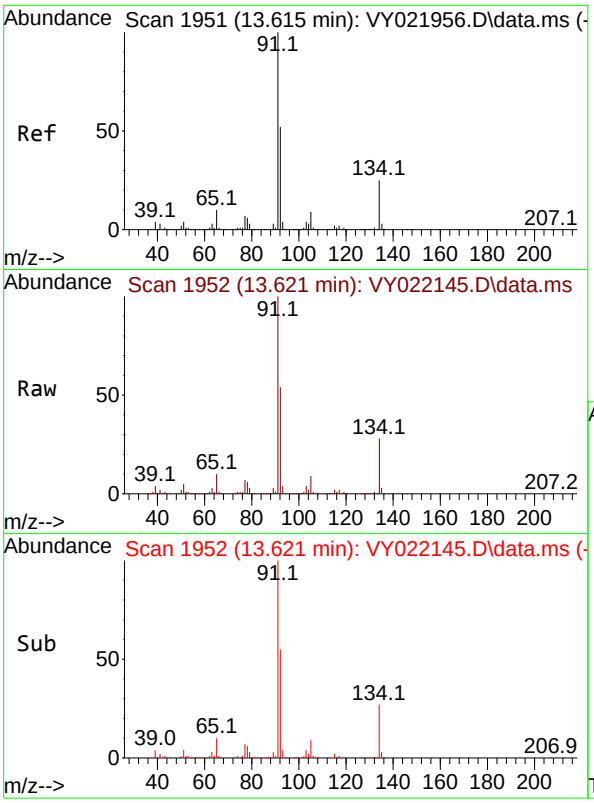


#88
1,4-Dichlorobenzene
Concen: 49.489 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:146 Resp: 372381

Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.2	57.6
148	63.5	32.0	96.0





#89
n-Butylbenzene
Concen: 52.205 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

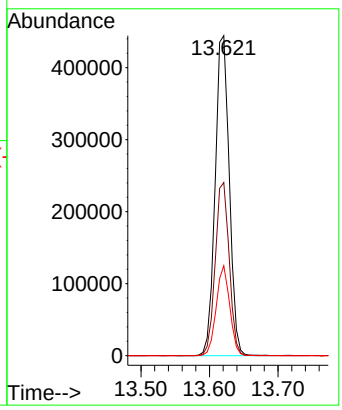
Tgt Ion: 91 Resp: 63427

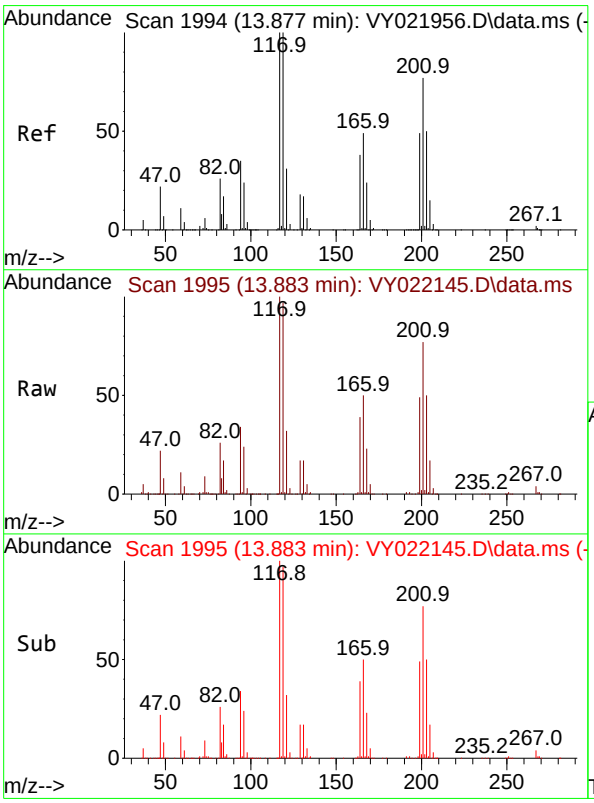
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.5	79.5
134	26.9	13.4	40.1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

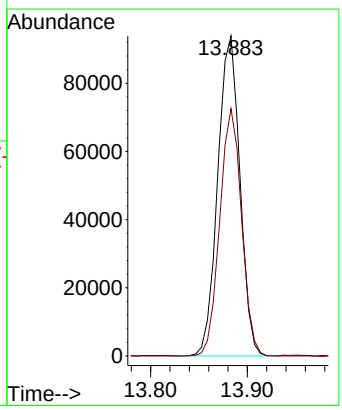


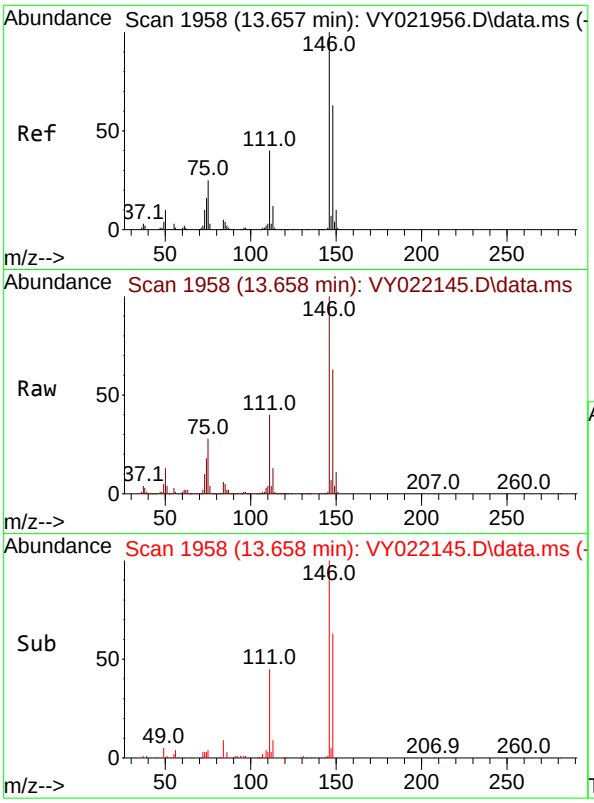


#90
Hexachloroethane
Concen: 50.010 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:117 Resp: 149353

Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.7	116.1

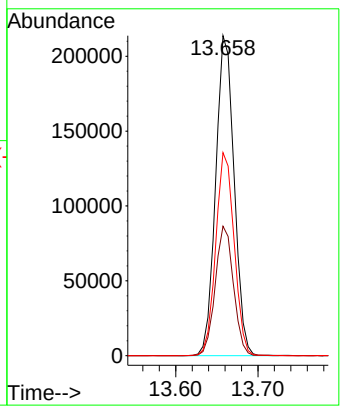




#91
1,2-Dichlorobenzene
Concen: 50.315 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:146 Resp: 33341

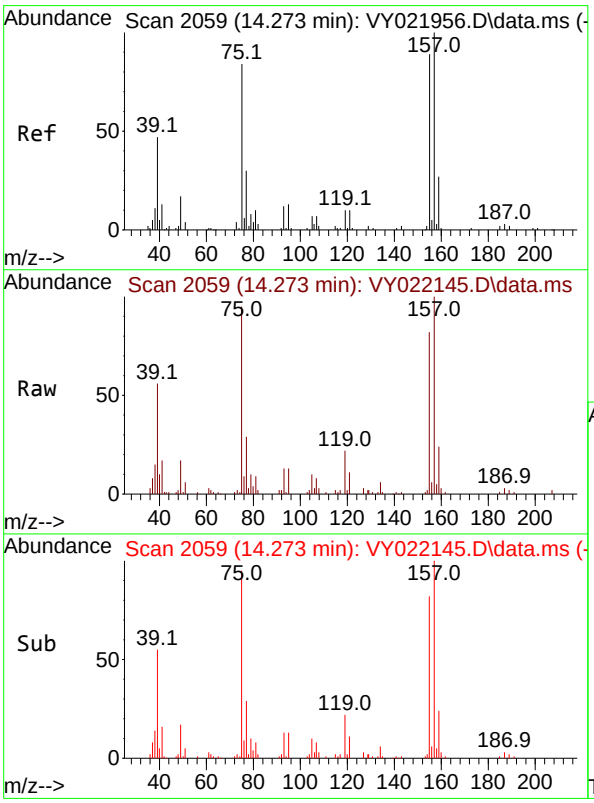
Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	63.4	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

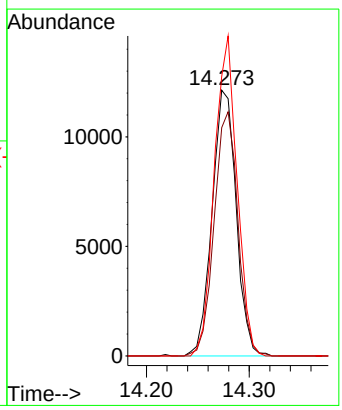
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

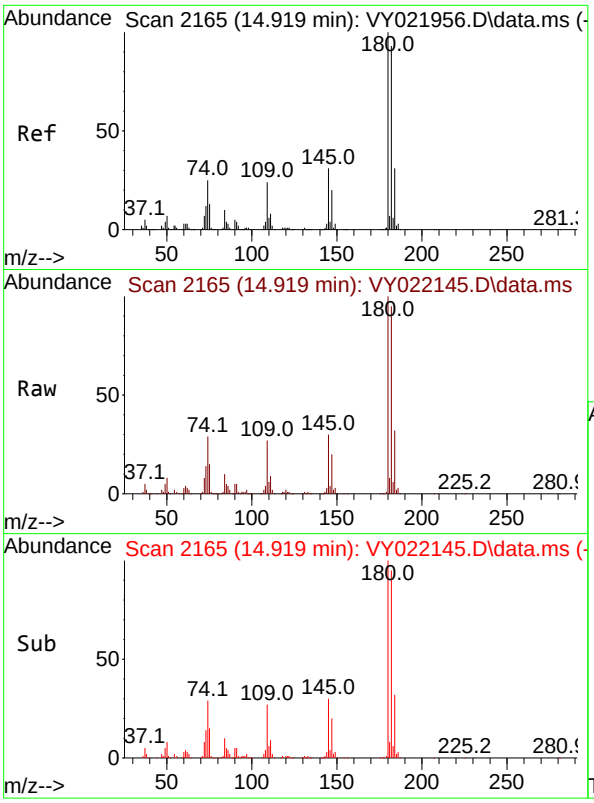


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.642 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 19712

Ion	Ratio	Lower	Upper
75	100		
155	90.6	50.7	152.3
157	113.2	62.6	187.8





#93
1,2,4-Trichlorobenzene
Concen: 50.241 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

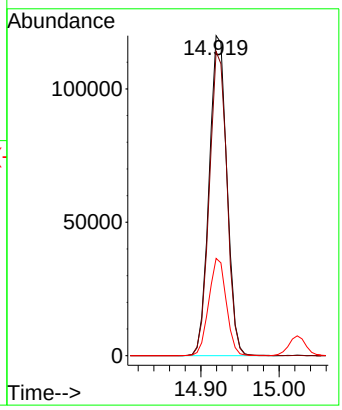
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

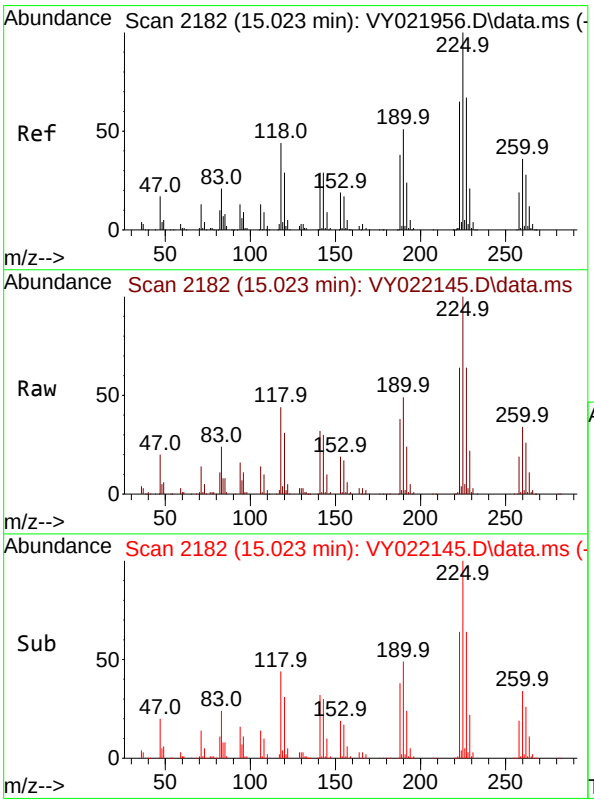
Tgt Ion:180 Resp: 18865

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	30.0	15.0	45.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

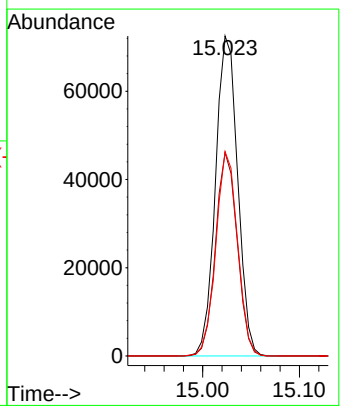


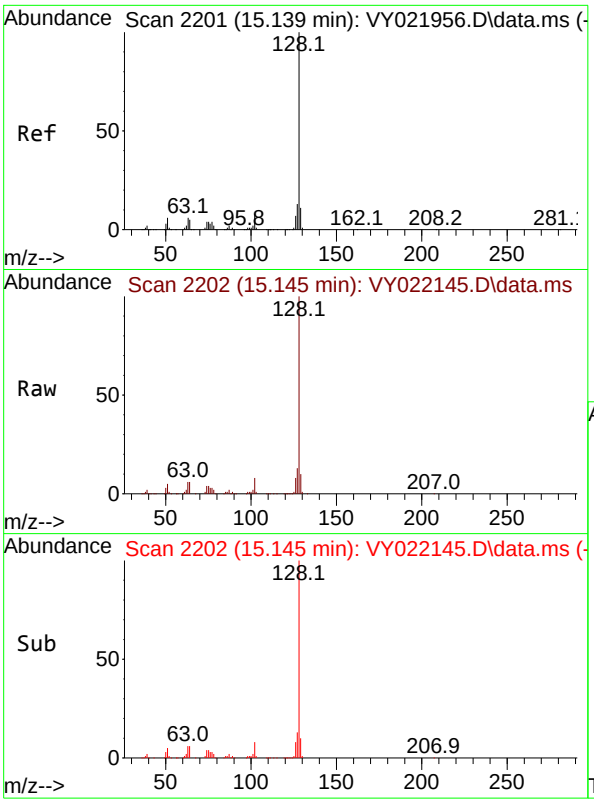


#94
Hexachlorobutadiene
Concen: 49.910 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:225 Resp: 115309

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	62.5	32.3	96.9

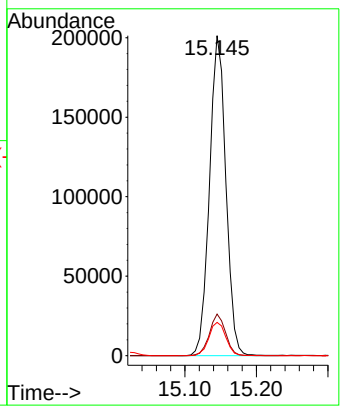




#95
Naphthalene
Concen: 51.336 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:128 Resp: 32022

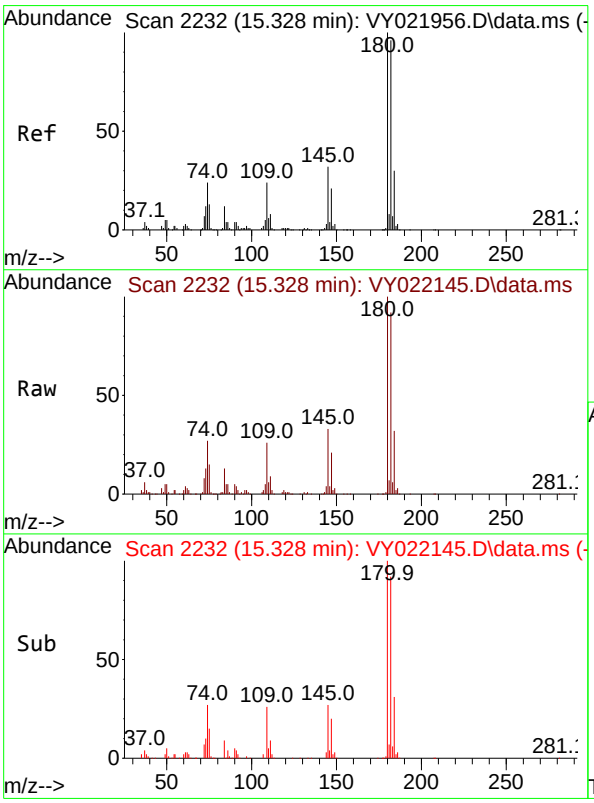
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

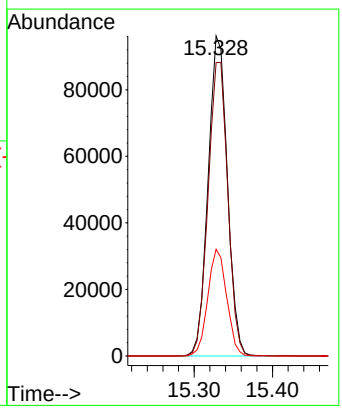
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.599 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:180 Resp: 164013

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.1	144.4
145	32.6	16.0	48.0



Evaluate Continuing Calibration Report

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.426	0.374	12.2	89	0.00
3	P	Chloromethane	0.607	0.536	11.7	83	0.00
4	C	Vinyl Chloride	0.745	0.684	8.2#	88	0.00
5	T	Bromomethane	0.642	0.532	17.1	84	0.00
6	T	Chloroethane	0.508	0.446	12.2	85	0.00
7	T	Trichlorofluoromethane	0.983	0.903	8.1	88	0.00
8	T	Diethyl Ether	0.256	0.235	8.2	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.505	5.3	97	0.00
10	T	Methyl Iodide	0.617	0.597	3.2	89	0.00
11	T	Tert butyl alcohol	0.025	0.023	8.0	84	0.00
12	CM	1,1-Dichloroethene	0.497	0.473	4.8#	94	0.00
13	T	Acrolein	0.046	0.023	50.0#	50	0.00
14	T	Allyl chloride	0.579	0.551	4.8	93	0.00
15	T	Acrylonitrile	0.094	0.088	6.4	89	0.00
16	T	Acetone	0.070	0.062	11.4	92	0.00
17	T	Carbon Disulfide	1.585	1.404	11.4	88	0.01
18	T	Methyl Acetate	0.216	0.234	-8.3	98	0.00
19	T	Methyl tert-butyl Ether	1.113	1.109	0.4	92	0.00
20	T	Methylene Chloride	0.584	0.533	8.7	94	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.529	5.0	93	0.01
22	T	Diisopropyl ether	1.288	1.283	0.4	93	0.00
23	T	Vinyl Acetate	0.694	0.680	2.0	89	0.00
24	P	1,1-Dichloroethane	0.893	0.855	4.3	94	0.00
25	T	2-Butanone	0.105	0.100	4.8	89	0.00
26	T	2,2-Dichloropropane	0.782	0.789	-0.9	100	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.610	1.9	93	0.00
28	T	Bromochloromethane	0.347	0.331	4.6	90	0.00
29	T	Tetrahydrofuran	0.068	0.067	1.5	87	0.00
30	C	Chloroform	0.990	0.967	2.3#	95	0.00
31	T	Cyclohexane	0.763	0.717	6.0	95	0.00
32	T	1,1,1-Trichloroethane	0.896	0.869	3.0	96	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.441	4.5	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.330	0.325	1.5	89	0.00
36	T	1,1-Dichloropropene	0.444	0.447	-0.7	95	0.00
37	T	Ethyl Acetate	0.159	0.155	2.5	87	0.00
38	T	Carbon Tetrachloride	0.530	0.540	-1.9	96	0.00
39	T	Methylcyclohexane	0.558	0.572	-2.5	94	0.00
40	TM	Benzene	1.387	1.389	-0.1	94	0.00
41	T	Methacrylonitrile	0.087	0.097	-11.5	95	0.00
42	TM	1,2-Dichloroethane	0.343	0.354	-3.2	95	0.00
43	T	Isopropyl Acetate	0.306	0.305	0.3	88	0.00
44	TM	Trichloroethene	0.384	0.384	0.0	94	0.00
45	C	1,2-Dichloropropane	0.307	0.314	-2.3#	94	0.00
46	T	Dibromomethane	0.192	0.193	-0.5	93	0.00
47	T	Bromodichloromethane	0.480	0.492	-2.5	94	0.00
48	T	Methyl methacrylate	0.141	0.149	-5.7	89	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	91	0.00
50	S	Toluene-d8	1.245	1.243	0.2	88	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.170	-6.3	89	0.00
52	CM	Toluene	0.898	0.933	-3.9#	94	0.00
53	T	t-1,3-Dichloropropene	0.411	0.427	-3.9	92	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.505	-3.3	94	0.00
55	T	1,1,2-Trichloroethane	0.256	0.265	-3.5	93	0.00
56	T	Ethyl methacrylate	0.293	0.308	-5.1	88	0.00
57	T	1,3-Dichloropropane	0.411	0.421	-2.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.154	-7.7	86	0.00
59	T	2-Hexanone	0.106	0.113	-6.6	89	0.00
60	T	Dibromochloromethane	0.355	0.363	-2.3	93	0.00
61	T	1,2-Dibromoethane	0.242	0.251	-3.7	94	0.00
62	S	4-Bromofluorobenzene	0.419	0.427	-1.9	90	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.472	0.493	-4.4	98	0.00
65	PM	Chlorobenzene	1.118	1.132	-1.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.398	-1.0	93	0.00
67	C	Ethyl Benzene	1.829	1.898	-3.8#	94	0.00
68	T	m/p-Xylenes	0.728	0.757	-4.0	93	0.00
69	T	o-Xylene	0.671	0.703	-4.8	93	0.00
70	T	Styrene	1.126	1.201	-6.7	93	0.00
71	P	Bromoform	0.229	0.228	0.4	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.341	3.491	-4.5	95	0.00
74	T	N-amyl acetate	0.574	0.566	1.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.550	2.3	90	0.00
76	T	1,2,3-Trichloropropane	0.428	0.437	-2.1	97	0.00
77	T	Bromobenzene	0.844	0.862	-2.1	94	0.00
78	T	n-propylbenzene	3.978	4.189	-5.3	95	0.00
79	T	2-Chlorotoluene	2.314	2.382	-2.9	94	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.903	-5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.180	-1.1	92	0.00
82	T	4-Chlorotoluene	2.405	2.497	-3.8	95	0.00
83	T	tert-Butylbenzene	2.468	2.578	-4.5	93	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.902	-5.4	94	0.00
85	T	sec-Butylbenzene	3.612	3.805	-5.3	95	0.00
86	T	p-Isopropyltoluene	3.067	3.218	-4.9	94	0.00
87	T	1,3-Dichlorobenzene	1.714	1.696	1.1	93	0.00
88	T	1,4-Dichlorobenzene	1.698	1.681	1.0	93	0.00
89	T	n-Butylbenzene	2.742	2.863	-4.4	94	0.00
90	T	Hexachloroethane	0.674	0.674	0.0	95	0.00
91	T	1,2-Dichlorobenzene	1.495	1.505	-0.7	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.089	1.1	95	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.851	-0.5	93	0.00
94	T	Hexachlorobutadiene	0.521	0.520	0.2	98	0.00
95	T	Naphthalene	1.408	1.445	-2.6	91	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.740	-1.2	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	43.929	12.1	89	0.00
3	P	Chloromethane	50.000	44.193	11.6	83	0.00
4	C	Vinyl Chloride	50.000	45.901	8.2#	88	0.00
5	T	Bromomethane	50.000	41.387	17.2	84	0.00
6	T	Chloroethane	50.000	43.970	12.1	85	0.00
7	T	Trichlorofluoromethane	50.000	45.927	8.1	88	0.00
8	T	Diethyl Ether	50.000	45.905	8.2	89	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.352	5.3	97	0.00
10	T	Methyl Iodide	50.000	48.326	3.3	89	0.00
11	T	Tert butyl alcohol	250.000	231.296	7.5	84	0.00
12	CM	1,1-Dichloroethene	50.000	47.553	4.9#	94	0.00
13	T	Acrolein	250.000	124.956	50.0#	50	0.00
14	T	Allyl chloride	50.000	47.571	4.9	93	0.00
15	T	Acrylonitrile	250.000	235.378	5.8	89	0.00
16	T	Acetone	250.000	257.728	-3.1	92	0.00
17	T	Carbon Disulfide	50.000	44.306	11.4	88	0.01
18	T	Methyl Acetate	50.000	54.193	-8.4	98	0.00
19	T	Methyl tert-butyl Ether	50.000	49.847	0.3	92	0.00
20	T	Methylene Chloride	50.000	45.663	8.7	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.497	5.0	93	0.01
22	T	Diisopropyl ether	50.000	49.807	0.4	93	0.00
23	T	Vinyl Acetate	250.000	244.768	2.1	89	0.00
24	P	1,1-Dichloroethane	50.000	47.860	4.3	94	0.00
25	T	2-Butanone	250.000	238.488	4.6	89	0.00
26	T	2,2-Dichloropropane	50.000	50.391	-0.8	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.965	2.1	93	0.00
28	T	Bromochloromethane	50.000	47.760	4.5	90	0.00
29	T	Tetrahydrofuran	250.000	246.313	1.5	87	0.00
30	C	Chloroform	50.000	48.804	2.4#	95	0.00
31	T	Cyclohexane	50.000	46.963	6.1	95	0.00
32	T	1,1,1-Trichloroethane	50.000	48.496	3.0	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.708	4.6	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	49.177	1.6	89	0.00
36	T	1,1-Dichloropropene	50.000	50.333	-0.7	95	0.00
37	T	Ethyl Acetate	50.000	48.702	2.6	87	0.00
38	T	Carbon Tetrachloride	50.000	50.908	-1.8	96	0.00
39	T	Methylcyclohexane	50.000	51.187	-2.4	94	0.00
40	TM	Benzene	50.000	50.056	-0.1	94	0.00
41	T	Methacrylonitrile	50.000	55.458	-10.9	95	0.00
42	TM	1,2-Dichloroethane	50.000	51.493	-3.0	95	0.00
43	T	Isopropyl Acetate	50.000	49.819	0.4	88	0.00
44	TM	Trichloroethene	50.000	50.021	-0.0	94	0.00
45	C	1,2-Dichloropropane	50.000	51.207	-2.4#	94	0.00
46	T	Dibromomethane	50.000	50.312	-0.6	93	0.00
47	T	Bromodichloromethane	50.000	51.319	-2.6	94	0.00
48	T	Methyl methacrylate	50.000	52.721	-5.4	89	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	997.352	0.3	91	0.00
50	S	Toluene-d8	50.000	49.907	0.2	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.723	-5.9	89	0.00
52	CM	Toluene	50.000	51.956	-3.9#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	51.928	-3.9	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.667	-3.3	94	0.00
55	T	1,1,2-Trichloroethane	50.000	51.742	-3.5	93	0.00
56	T	Ethyl methacrylate	50.000	52.583	-5.2	88	0.00
57	T	1,3-Dichloropropane	50.000	51.177	-2.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.418	-7.4	86	0.00
59	T	2-Hexanone	250.000	267.843	-7.1	89	0.00
60	T	Dibromochloromethane	50.000	51.138	-2.3	93	0.00
61	T	1,2-Dibromoethane	50.000	51.775	-3.5	94	0.00
62	S	4-Bromofluorobenzene	50.000	50.932	-1.9	90	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	52.270	-4.5	98	0.00
65	PM	Chlorobenzene	50.000	50.610	-1.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.569	-1.1	93	0.00
67	C	Ethyl Benzene	50.000	51.872	-3.7#	94	0.00
68	T	m/p-Xylenes	100.000	104.029	-4.0	93	0.00
69	T	o-Xylene	50.000	52.398	-4.8	93	0.00
70	T	Styrene	50.000	53.321	-6.6	93	0.00
71	P	Bromoform	50.000	49.915	0.2	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	52.254	-4.5	95	0.00
74	T	N-amyl acetate	50.000	49.288	1.4	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.871	2.3	90	0.00
76	T	1,2,3-Trichloropropane	50.000	51.057	-2.1	97	0.00
77	T	Bromobenzene	50.000	51.057	-2.1	94	0.00
78	T	n-propylbenzene	50.000	52.656	-5.3	95	0.00
79	T	2-Chlorotoluene	50.000	51.489	-3.0	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.733	-5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.520	-1.0	92	0.00
82	T	4-Chlorotoluene	50.000	51.909	-3.8	95	0.00
83	T	tert-Butylbenzene	50.000	52.224	-4.4	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.705	-5.4	94	0.00
85	T	sec-Butylbenzene	50.000	52.666	-5.3	95	0.00
86	T	p-Isopropyltoluene	50.000	52.460	-4.9	94	0.00
87	T	1,3-Dichlorobenzene	50.000	49.477	1.0	93	0.00
88	T	1,4-Dichlorobenzene	50.000	49.489	1.0	93	0.00
89	T	n-Butylbenzene	50.000	52.205	-4.4	94	0.00
90	T	Hexachloroethane	50.000	50.010	-0.0	95	0.00
91	T	1,2-Dichlorobenzene	50.000	50.315	-0.6	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.642	0.7	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.241	-0.5	93	0.00
94	T	Hexachlorobutadiene	50.000	49.910	0.2	98	0.00
95	T	Naphthalene	50.000	51.336	-2.7	91	0.00

Sample Results: **VY022145.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
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 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	50.599	-1.2	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VY022168.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 18:37

Lab File ID: VY022168.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.344		-19.25	50
Chloromethane	0.607	0.591	0.1	-2.64	50
Vinyl Chloride	0.745	0.732		-1.75	50
Bromomethane	0.642	0.583		-9.19	50
Chloroethane	0.508	0.498		-1.97	50
Tetrahydrofuran	0.068	0.074		8.82	50
Trichlorofluoromethane	0.983	0.878		-10.68	50
1,1,2-Trichlorotrifluoroethane	0.533	0.479		-10.13	50
1,1-Dichloroethene	0.497	0.448		-9.86	50
Acrylonitrile	0.094	0.094		0	50
Acetone	0.070	0.064		-8.57	50
Carbon Disulfide	1.585	1.387		-12.49	50
Methyl tert-butyl Ether	1.113	1.107		-0.54	50
Methylene Chloride	0.584	0.541		-7.36	50
trans-1,2-Dichloroethene	0.557	0.521		-6.46	50
1,1-Dichloroethane	0.893	0.879	0.1	-1.57	50
2-Butanone	0.105	0.108		2.86	50
Carbon Tetrachloride	0.530	0.497		-6.23	50
2,2-Dichloropropane	0.782	0.722		-7.67	50
cis-1,2-Dichloroethene	0.622	0.604		-2.89	50
Chloroform	0.990	0.979		-1.11	50
1,1,1-Trichloroethane	0.896	0.847		-5.47	50
1,1-Dichloropropene	0.444	0.423		-4.73	50
Benzene	1.387	1.348		-2.81	50
1,2-Dichloroethane	0.343	0.346		0.88	50
Trichloroethene	0.384	0.351		-8.59	50
1,2-Dichloropropane	0.307	0.310		0.98	50
Dibromomethane	0.192	0.191		-0.52	50
Bromodichloromethane	0.480	0.470		-2.08	50
4-Methyl-2-Pentanone	0.160	0.178		11.25	50
Toluene	0.898	0.901		0.33	50
t-1,3-Dichloropropene	0.411	0.406		-1.22	50
cis-1,3-Dichloropropene	0.489	0.481		-1.64	50
1,1,2-Trichloroethane	0.256	0.257		0.39	50
1,3-Dichloropropane	0.411	0.421		2.43	50
2-Hexanone	0.106	0.117		10.38	50
Dibromochloromethane	0.355	0.355		0	50
1,2-Dibromoethane	0.242	0.246		1.65	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VY022168.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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 18:37

Lab File ID: VY022168.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Tetrachloroethene	0.472	0.410		-13.14	50
Chlorobenzene	1.118	1.051	0.3	-5.99	50
1,1,1,2-Tetrachloroethane	0.394	0.374		-5.08	50
Ethyl Benzene	1.829	1.809		-1.09	50
m/p-Xylenes	0.728	0.714		-1.92	50
o-Xylene	0.671	0.658		-1.94	50
Styrene	1.126	1.145		1.69	50
Bromoform	0.229	0.222	0.1	-3.06	50
Isopropylbenzene	3.341	3.157		-5.51	50
1,1,2,2-Tetrachloroethane	0.563	0.546	0.3	-3.02	50
1,2,3-Trichloropropane	0.428	0.398		-7.01	50
Bromobenzene	0.844	0.785		-6.99	50
n-propylbenzene	3.978	3.765		-5.35	50
2-Chlorotoluene	2.314	2.181		-5.75	50
1,3,5-Trimethylbenzene	2.752	2.642		-4	50
4-Chlorotoluene	2.405	2.300		-4.37	50
tert-Butylbenzene	2.469	2.353		-4.7	50
1,2,4-Trimethylbenzene	2.753	2.633		-4.36	50
sec-Butylbenzene	3.612	3.454		-4.37	50
p-Isopropyltoluene	3.067	2.912		-5.05	50
1,3-Dichlorobenzene	1.714	1.559		-9.04	50
1,4-Dichlorobenzene	1.698	1.536		-9.54	50
n-Butylbenzene	2.742	2.583		-5.8	50
1,2-Dichlorobenzene	1.495	1.400		-6.36	50
1,2-Dibromo-3-Chloropropane	0.090	0.087		-3.33	50
1,2,4-Trichlorobenzene	0.847	0.761		-10.15	50
Hexachlorobutadiene	0.521	0.448		-14.01	50
1,2,3-Trichlorobenzene	0.731	0.663		-9.3	50
1,2-Dichloroethane-d4	0.462	0.482		4.33	50
Dibromofluoromethane	0.330	0.334		1.21	50
Toluene-d8	1.245	1.291		3.69	50
4-Bromofluorobenzene	0.419	0.447		6.68	50
trans-1,4-Dichloro-2-butene	0.178	0.164		-7.86	50

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\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	217147	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	341688	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	323650	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178080	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.060	65	104649	52.175 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.340%		
35) Dibromofluoromethane	7.634	113	114082	50.537 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.080%		
50) Toluene-d8	10.109	98	441178	51.841 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.680%		
62) 4-Bromofluorobenzene	12.407	95	152772	53.325 ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.660%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.860	85	74598	40.317 ug/l	99
3) Chloromethane	2.068	50	128364	48.722 ug/l	99
4) Vinyl Chloride	2.202	62	158960	49.098 ug/l	100
5) Bromomethane	2.592	94	126547	45.368 ug/l	100
6) Chloroethane	2.732	64	108101	49.026 ug/l	100
7) Trichlorofluoromethane	3.055	101	190751	44.680 ug/l	98
8) Diethyl Ether	3.458	74	52164	46.944 ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	104019	44.914 ug/l	99
10) Methyl Iodide	4.000	142	127191	47.435 ug/l	99
11) Tert butyl alcohol	4.866	59	27130	246.381 ug/l #	70
12) 1,1-Dichloroethene	3.793	96	97310	45.079 ug/l	97
13) Acrolein	3.653	56	18094	91.553 ug/l	97
14) Allyl chloride	4.384	41	122763	48.841 ug/l	98
15) Acrylonitrile	5.055	53	102268	251.398 ug/l	99
16) Acetone	3.872	43	68973	263.906 ug/l	98
17) Carbon Disulfide	4.104	76	301214	43.763 ug/l	100
18) Methyl Acetate	4.384	43	70025	74.739 ug/l	98
19) Methyl tert-butyl Ether	5.122	73	240426	49.762 ug/l	98
20) Methylene Chloride	4.610	84	117503	46.330 ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	113055	46.764 ug/l	96
22) Diisopropyl ether	6.018	45	294758	52.695 ug/l	98
23) Vinyl Acetate	5.963	43	738196	244.875 ug/l	98
24) 1,1-Dichloroethane	5.921	63	190970	49.254 ug/l	98
25) 2-Butanone	6.896	43	117688	257.410 ug/l	96
26) 2,2-Dichloropropane	6.884	77	156677	46.105 ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	131177	48.527 ug/l	97
28) Bromochloromethane	7.244	49	80633	53.541 ug/l	95
29) Tetrahydrofuran	7.268	42	80334	270.536 ug/l	99
30) Chloroform	7.420	83	212689	49.454 ug/l	99
31) Cyclohexane	7.701	56	155478	46.892 ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	183913	47.267 ug/l	99
36) 1,1-Dichloropropene	7.835	75	144480	47.648 ug/l	99
37) Ethyl Acetate	6.981	43	52902	48.577 ug/l	98
38) Carbon Tetrachloride	7.817	117	169970	46.910 ug/l	97
39) Methylcyclohexane	9.109	83	178774	46.849 ug/l	95
40) Benzene	8.079	78	460531	48.586 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	26320m	44.211	ug/l		
42) 1,2-Dichloroethane	8.158	62	118092	50.320	ug/l		99
43) Isopropyl Acetate	8.201	43	108934	52.086	ug/l		99
44) Trichloroethene	8.865	130	119805	45.632	ug/l		95
45) 1,2-Dichloropropane	9.146	63	106011	50.574	ug/l		100
46) Dibromomethane	9.231	93	65249	49.725	ug/l		97
47) Bromodichloromethane	9.420	83	160617	48.998	ug/l		98
48) Methyl methacrylate	9.219	41	50908	52.655	ug/l		97
49) 1,4-Dioxane	9.225	88	13706	979.999	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	304217	277.484	ug/l		97
52) Toluene	10.170	92	307906	50.183	ug/l		100
53) t-1,3-Dichloropropene	10.395	75	138752	49.348	ug/l		90
54) cis-1,3-Dichloropropene	9.859	75	164239	49.139	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	87906	50.153	ug/l		98
56) Ethyl methacrylate	10.438	69	102496	51.135	ug/l		97
57) 1,3-Dichloropropane	10.719	76	144000	51.247	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	277862	283.528	ug/l		98
59) 2-Hexanone	10.761	43	200512	277.284	ug/l		98
60) Dibromochloromethane	10.914	129	121340	50.002	ug/l		100
61) 1,2-Dibromoethane	11.017	107	83925	50.718	ug/l		97
64) Tetrachloroethene	10.645	164	132633	43.441	ug/l		99
65) Chlorobenzene	11.444	112	340265	47.013	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	121008	47.490	ug/l		98
67) Ethyl Benzene	11.517	91	585337	49.439	ug/l		99
68) m/p-Xylenes	11.627	106	462468	98.163	ug/l		100
69) o-Xylene	11.956	106	212986	49.049	ug/l		97
70) Styrene	11.968	104	370652	50.838	ug/l		99
71) Bromoform	12.133	173	71764	48.443	ug/l	#	99
73) Isopropylbenzene	12.255	105	562175	47.251	ug/l		100
74) N-amyl acetate	12.072	43	96972	47.439	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	97229	48.471	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	70964m	46.523	ug/l		
77) Bromobenzene	12.529	156	139863	46.522	ug/l		97
78) n-propylbenzene	12.596	91	670469	47.320	ug/l		100
79) 2-Chlorotoluene	12.682	91	388305	47.124	ug/l		100
80) 1,3,5-Trimethylbenzene	12.736	105	470455	47.991	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	29121	45.975	ug/l		98
82) 4-Chlorotoluene	12.779	91	409587	47.817	ug/l		99
83) tert-Butylbenzene	12.999	119	418984	47.656	ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	468919	47.823	ug/l		99
85) sec-Butylbenzene	13.175	105	615110	47.812	ug/l		100
86) p-Isopropyltoluene	13.291	119	518498	47.462	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	277657	45.473	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	273541	45.233	ug/l		99
89) n-Butylbenzene	13.614	91	459947	47.103	ug/l		99
90) Hexachloroethane	13.877	117	110572	46.068	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	249255	46.803	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15480	48.506	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	135559	44.918	ug/l		100
94) Hexachlorobutadiene	15.023	225	79735	42.942	ug/l		99
95) Naphthalene	15.145	128	237399	47.354	ug/l		99
96) 1,2,3-Trichlorobenzene	15.327	180	118065	45.321	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

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\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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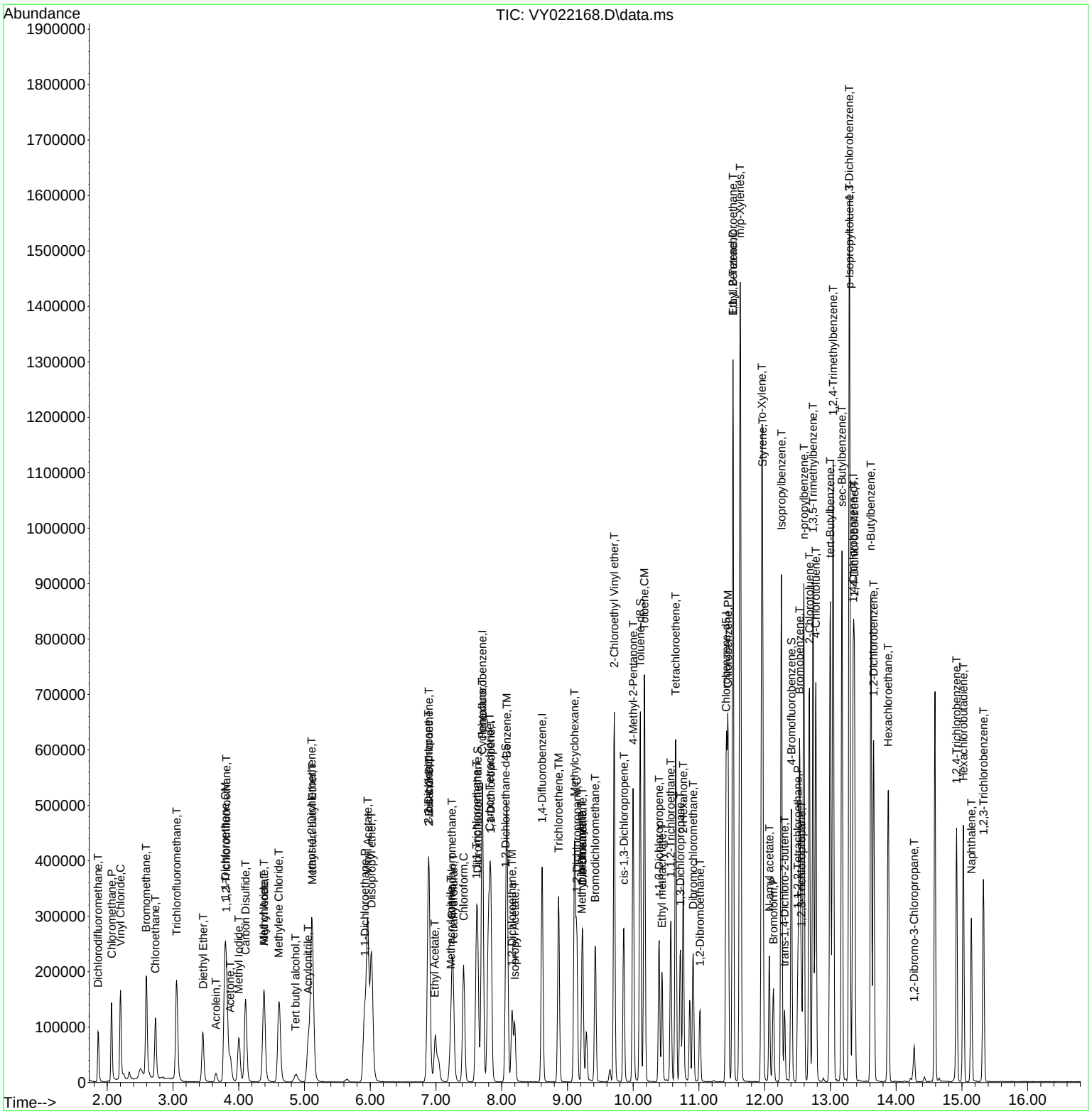
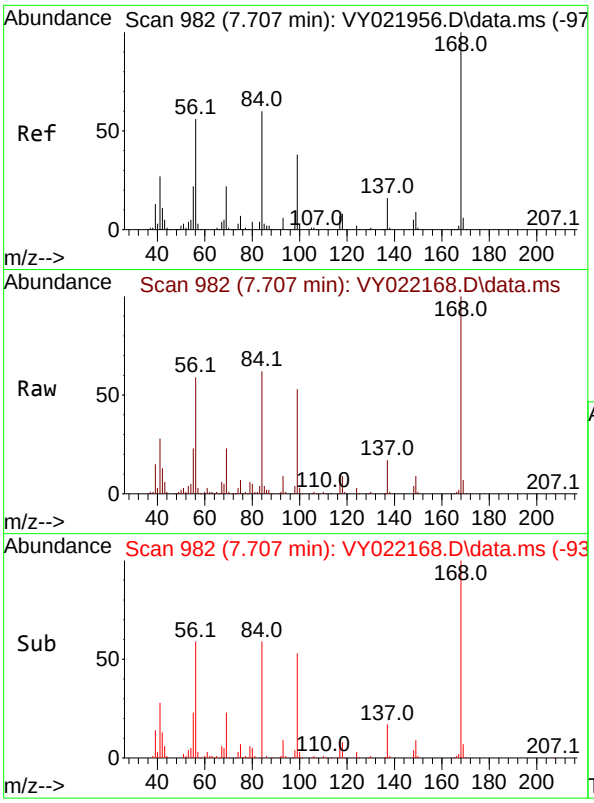
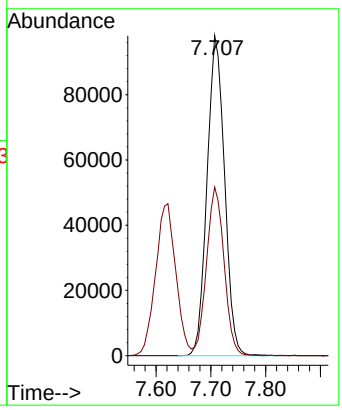




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:168 Resp: 21714

Ion	Ratio	Lower	Upper
168	100		
99	52.6	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
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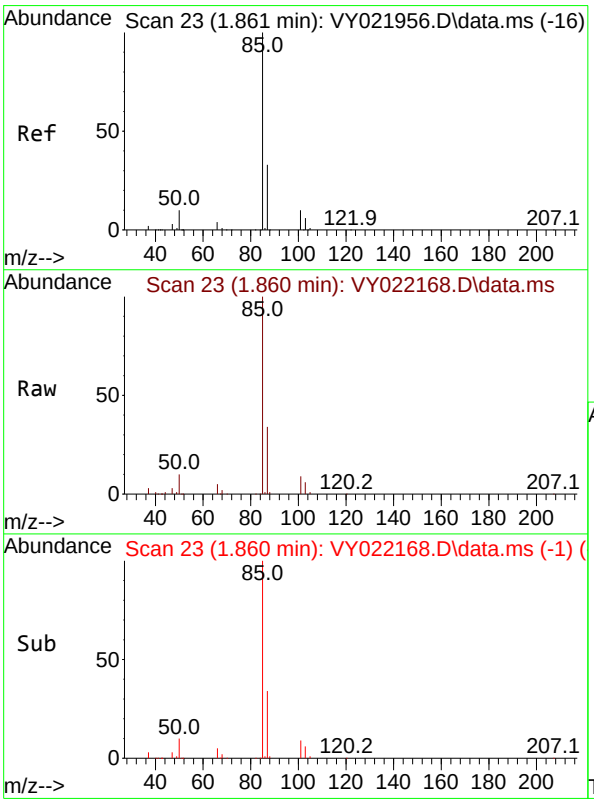
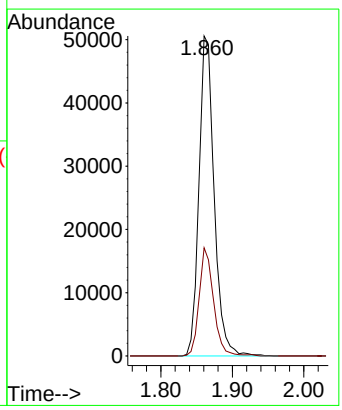
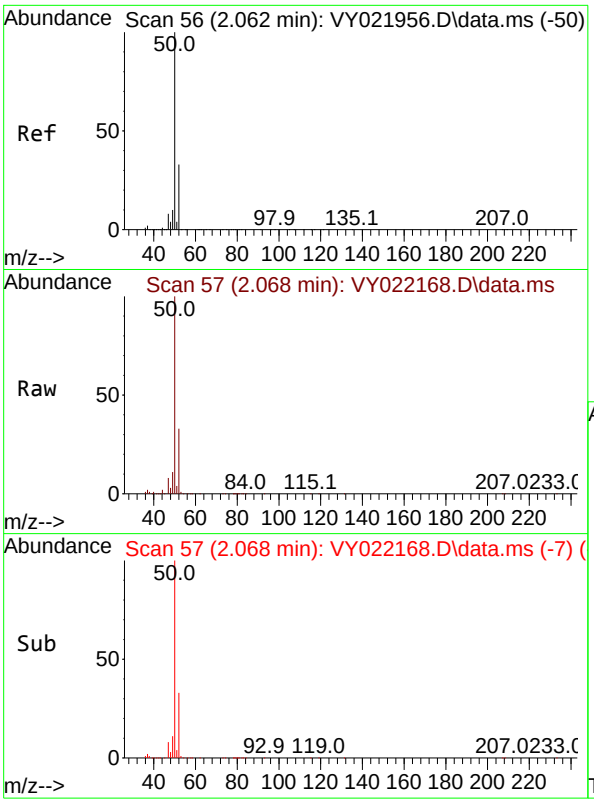


#2
Dichlorodifluoromethane
Concen: 40.317 ug/l
RT: 1.860 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 85 Resp: 74598

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.6	49.7

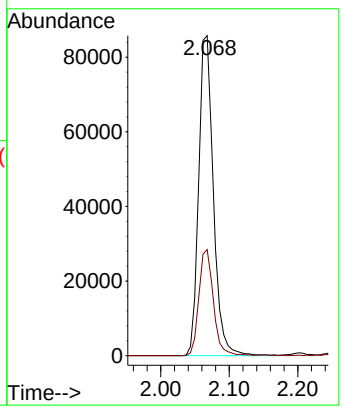




#3
Chloromethane
Concen: 48.722 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 50 Resp: 12836

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
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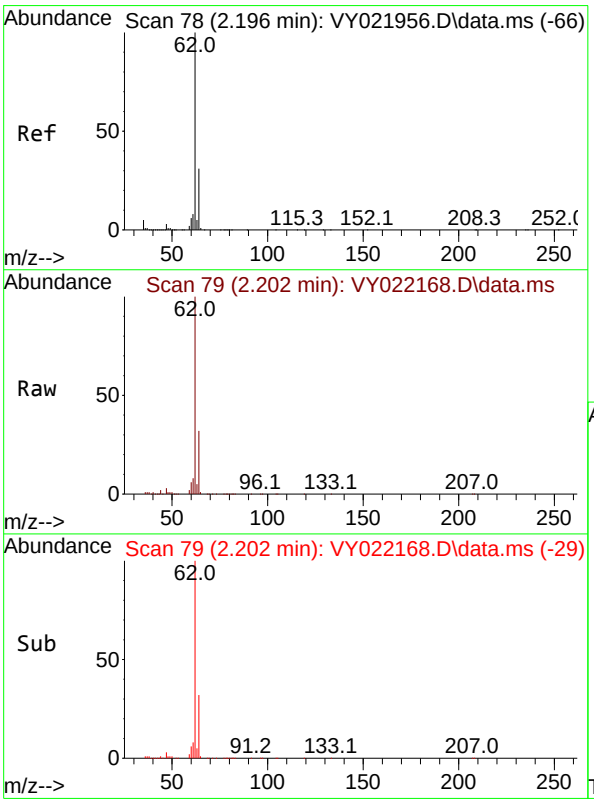
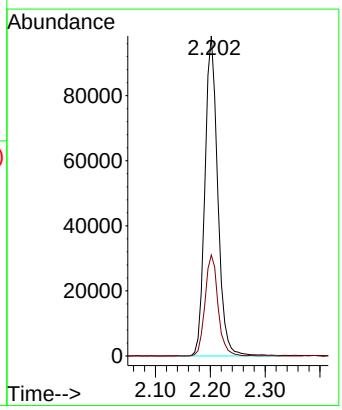
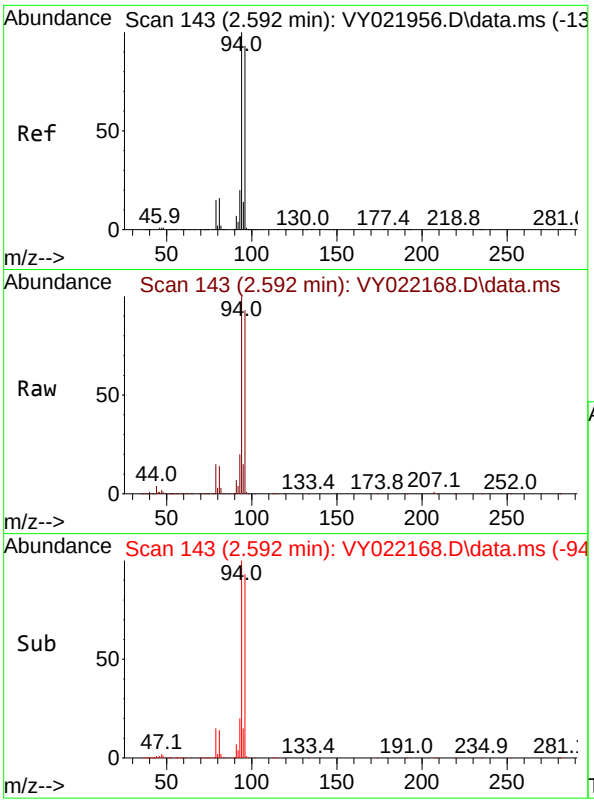


#4
Vinyl Chloride
Concen: 49.098 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 62 Resp: 158960

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.1	37.7





#5
Bromomethane
Concen: 45.368 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

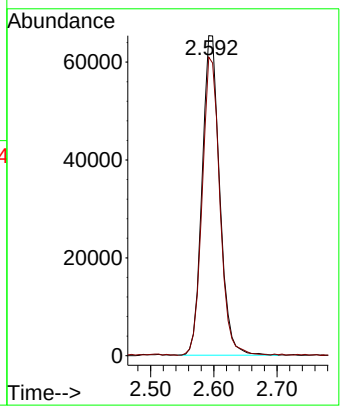
Tgt Ion: 94 Resp: 12654

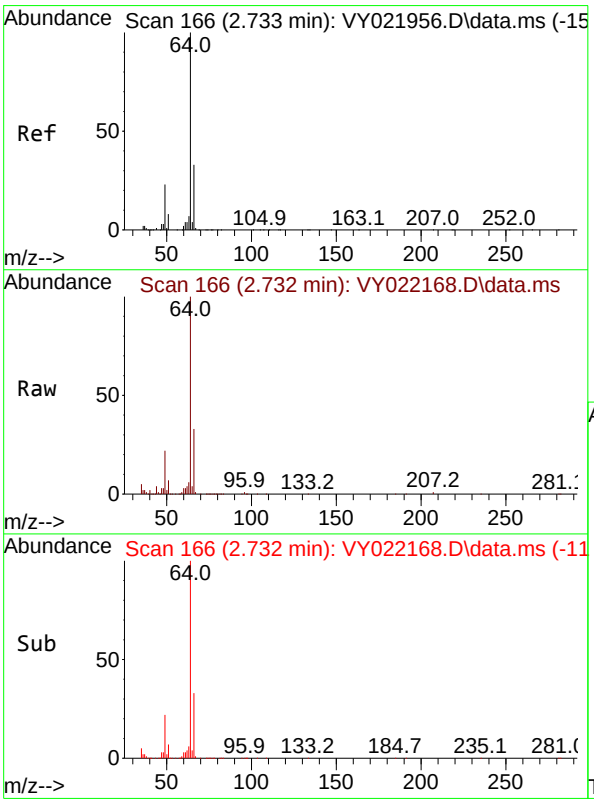
Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

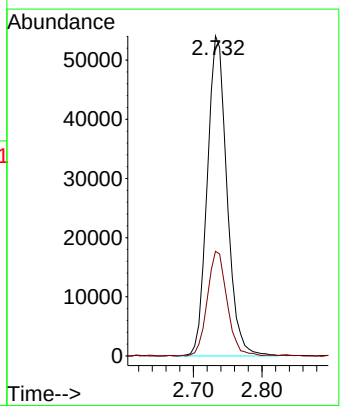


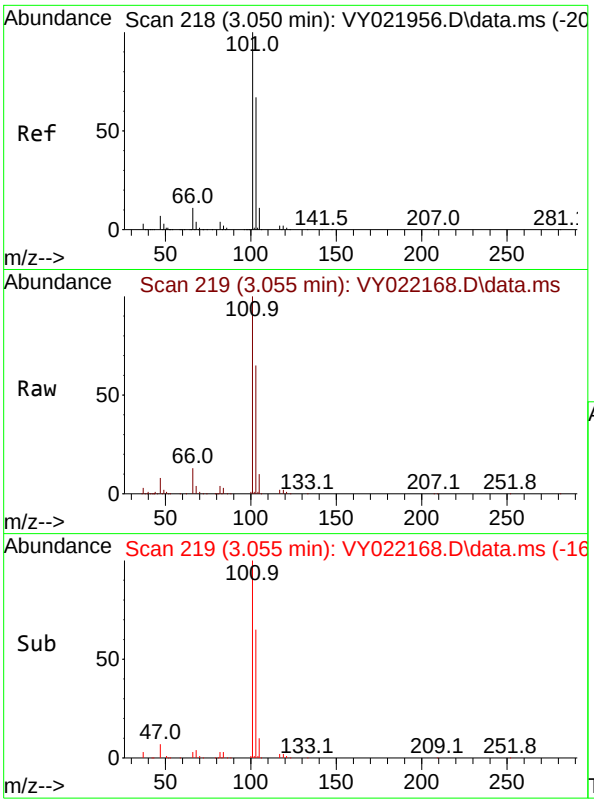


#6
Chloroethane
Concen: 49.026 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 64 Resp: 108101

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.2	39.4

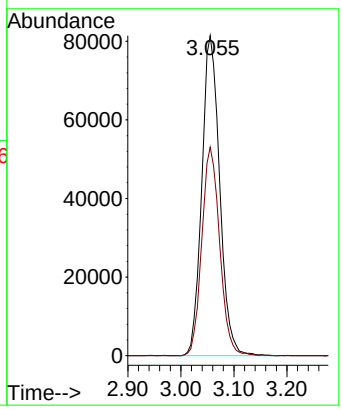




#7
Trichlorofluoromethane
Concen: 44.680 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:101 Resp: 19075

Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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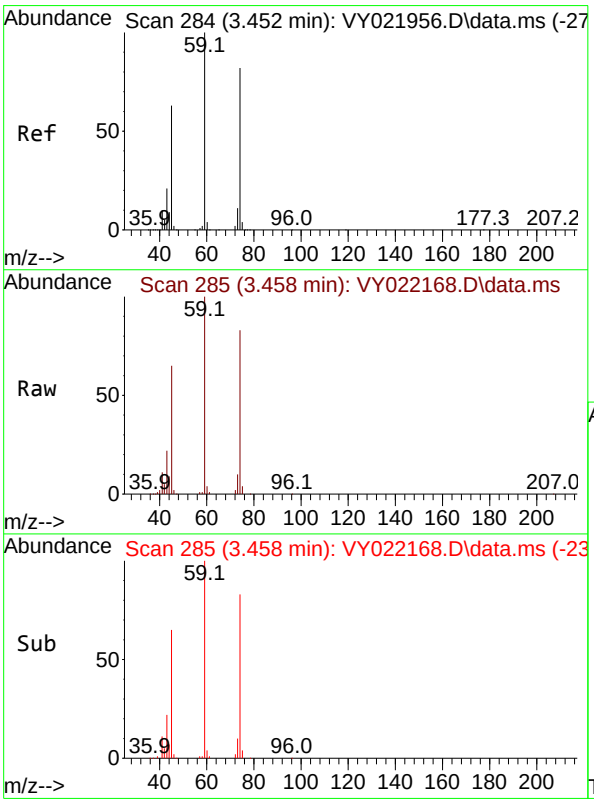
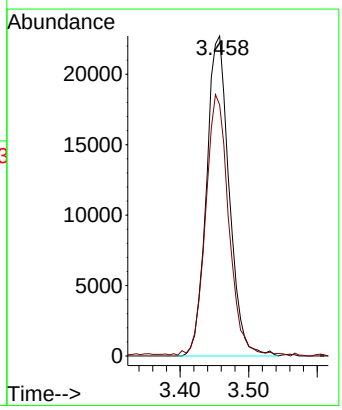
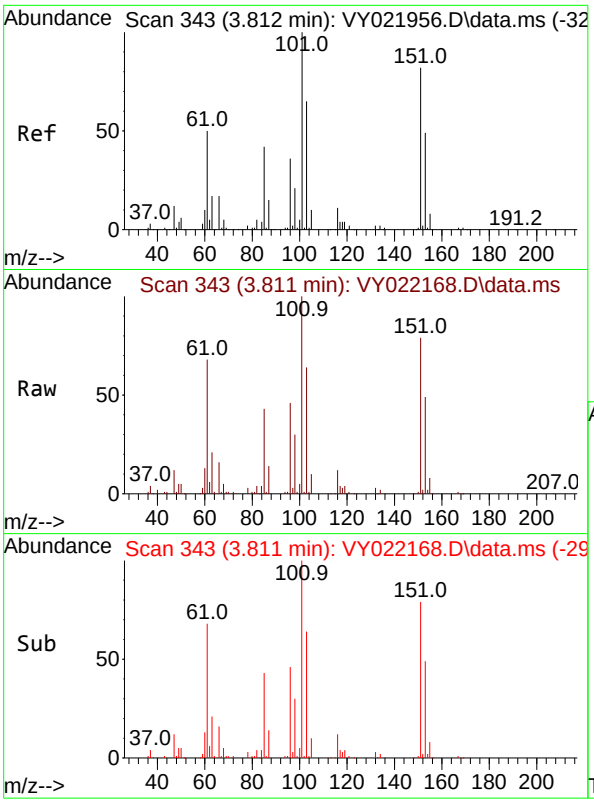


#8
Diethyl Ether
Concen: 46.944 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 74 Resp: 52164

Ion	Ratio	Lower	Upper
74	100		
45	84.2	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.914 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:101 Resp: 10401

Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.6	51.8
151	78.6	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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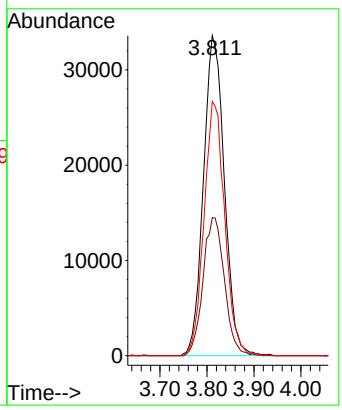
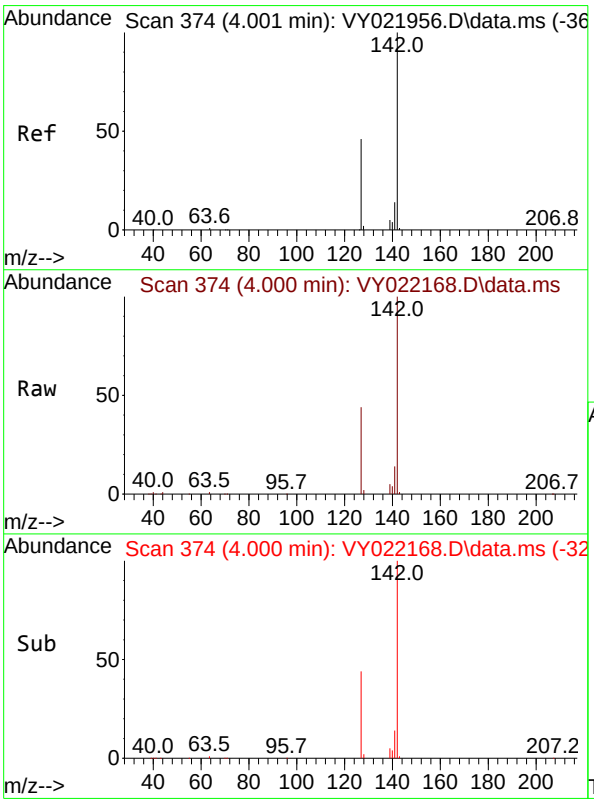
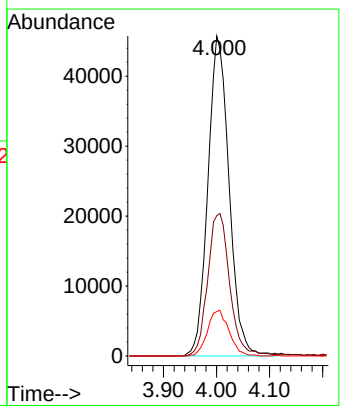


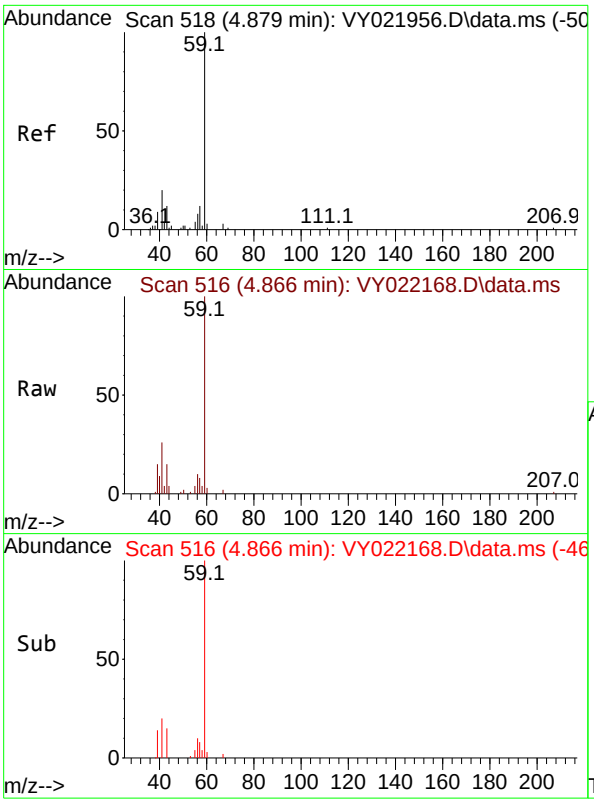


#10
Methyl Iodide
Concen: 47.435 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:142 Resp: 127191

Ion	Ratio	Lower	Upper
142	100		
127	46.1	36.2	54.2
141	14.4	11.7	17.5

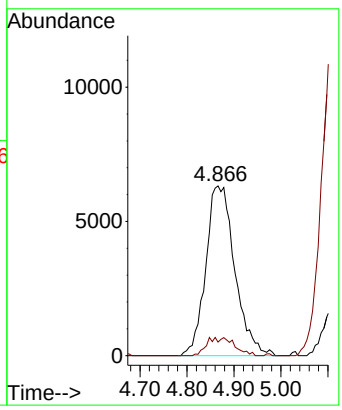




#11
Tert butyl alcohol
Concen: 246.381 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 59 Resp: 2713

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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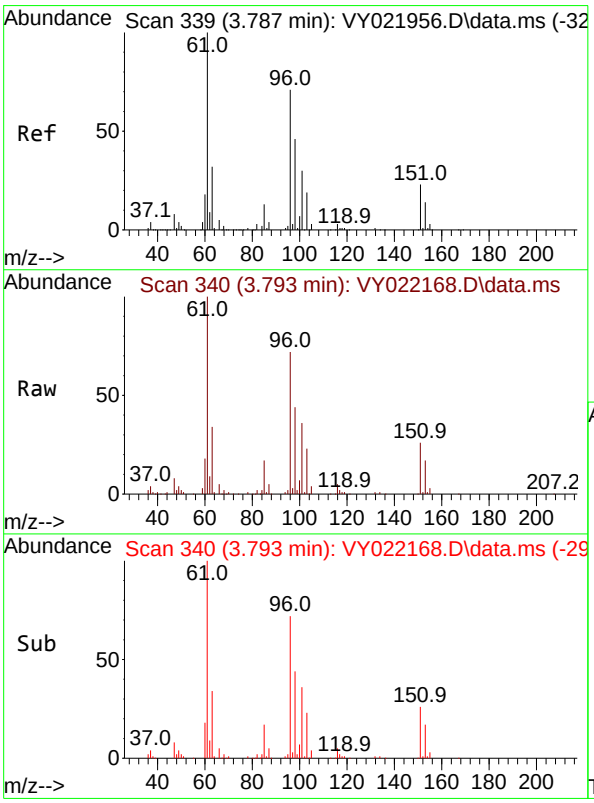
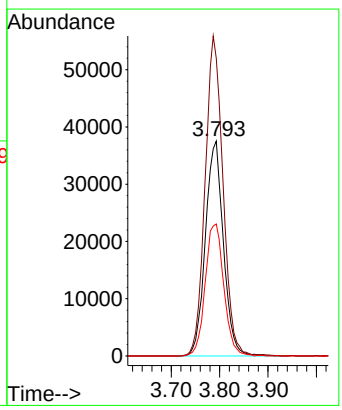
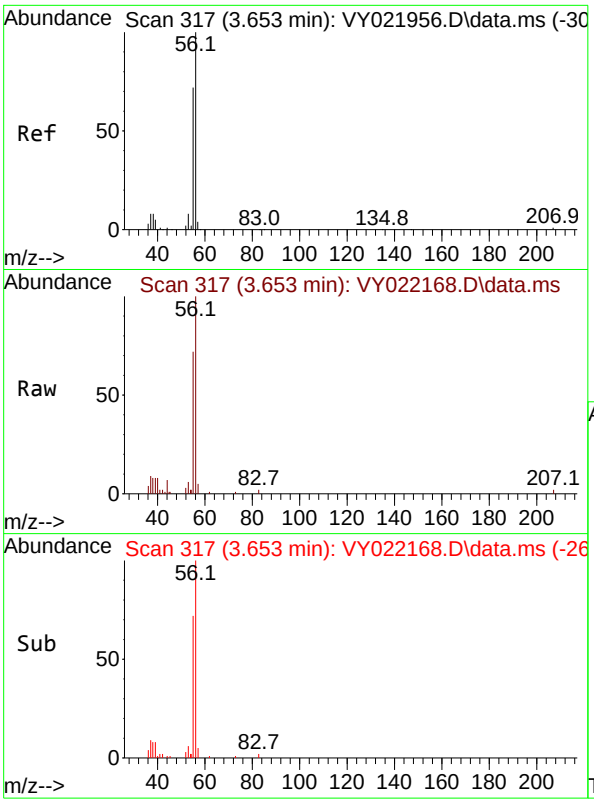


#12
1,1-Dichloroethene
Concen: 45.079 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 96 Resp: 97310

Ion	Ratio	Lower	Upper
96	100		
61	138.5	113.0	169.4
98	61.4	51.4	77.2





#13
Acrolein
Concen: 91.553 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 56 Resp: 1809

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.4	86.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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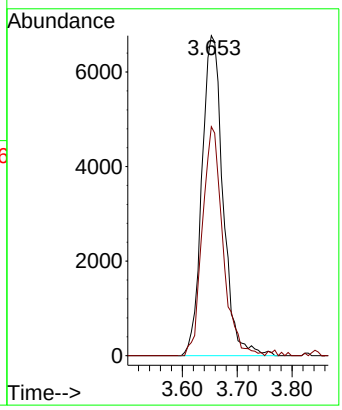
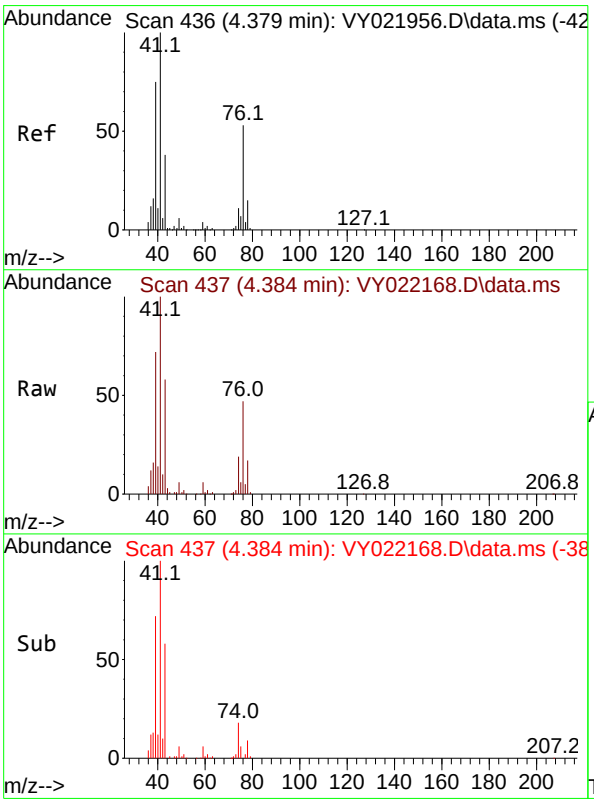
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

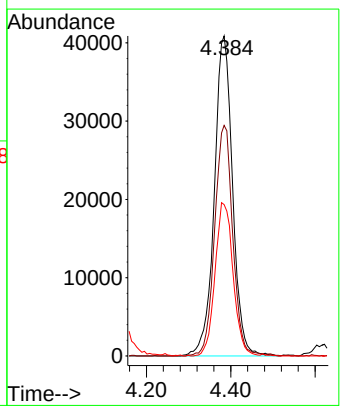


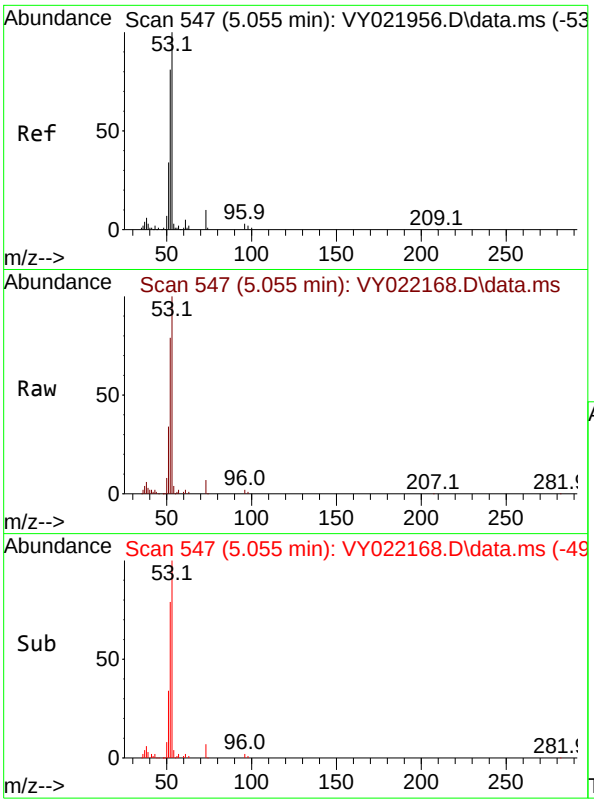


#14
Allyl chloride
Concen: 48.841 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 41 Resp: 122763

Ion	Ratio	Lower	Upper
41	100		
39	71.2	57.2	85.8
76	47.3	39.7	59.5





#15
Acrylonitrile
Concen: 251.398 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 53 Resp: 10226

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.0	97.6
51	37.2	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
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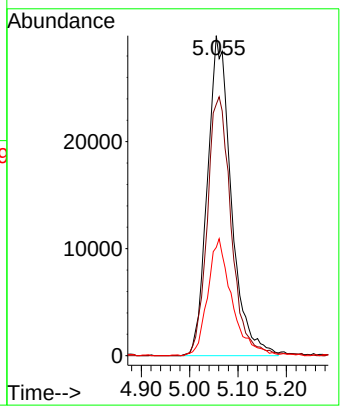
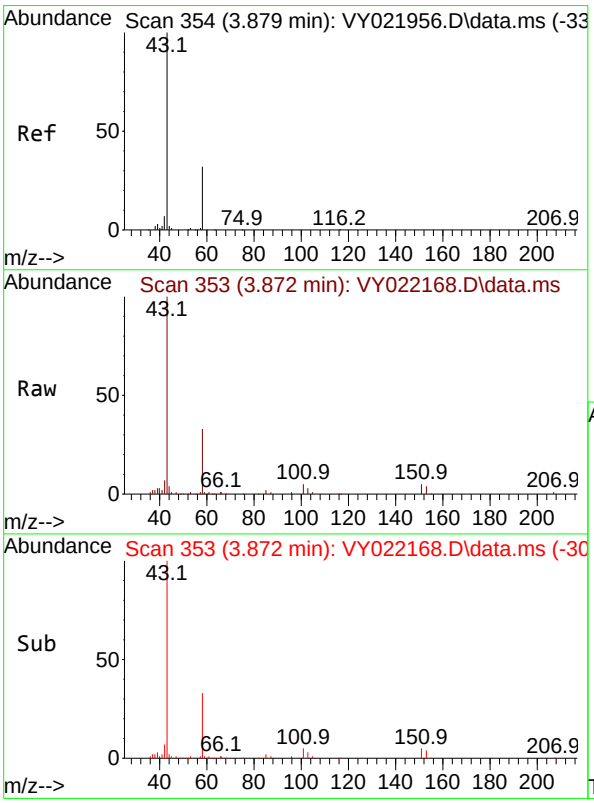
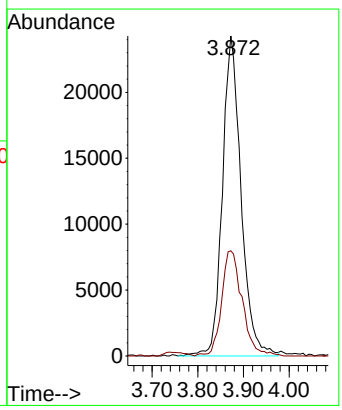


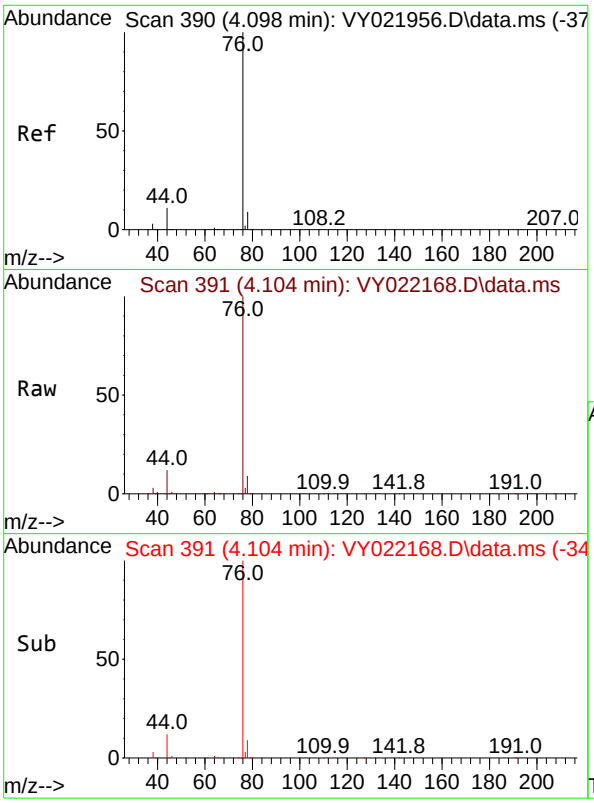


#16
Acetone
Concen: 263.906 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 68973

Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.0	40.4

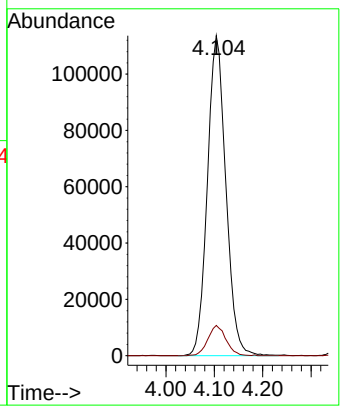




#17
Carbon Disulfide
Concen: 43.763 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 76 Resp: 30121

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.6	11.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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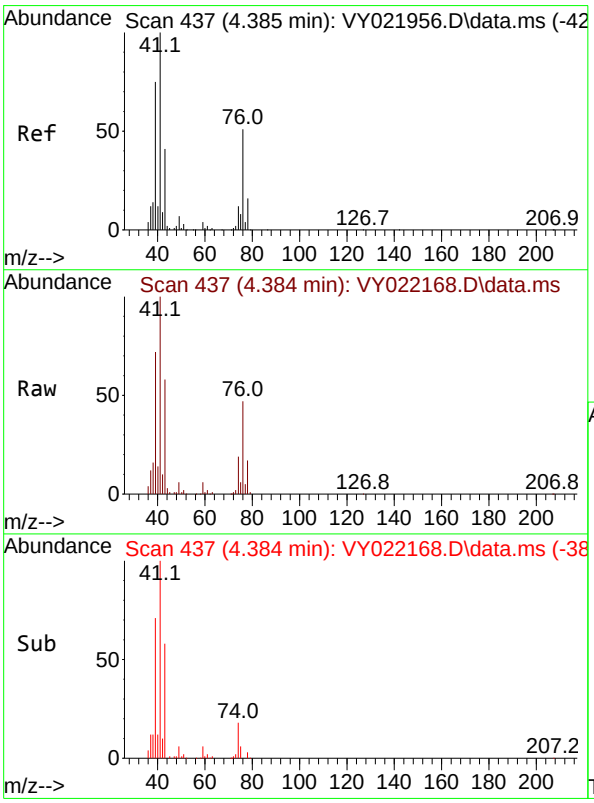
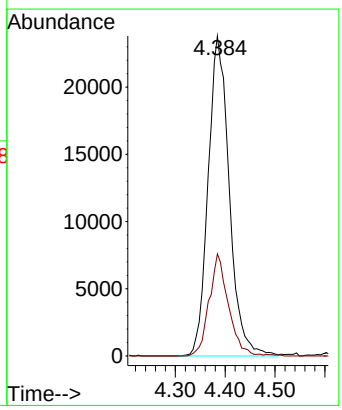
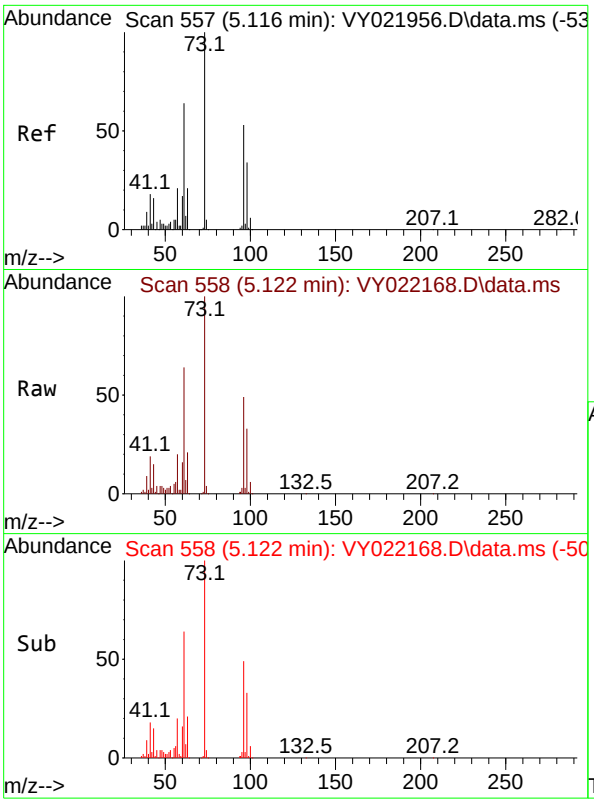


#18
Methyl Acetate
Concen: 74.739 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 70025

Ion	Ratio	Lower	Upper
43	100		
74	29.0	24.2	36.4

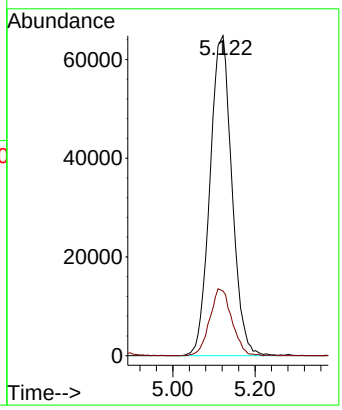




#19
Methyl tert-butyl Ether
Concen: 49.762 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 73 Resp: 24042

Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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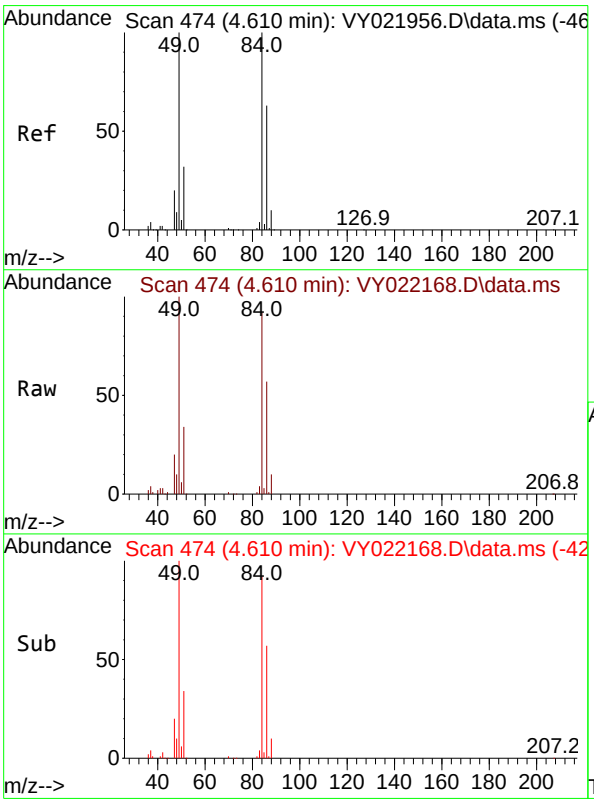
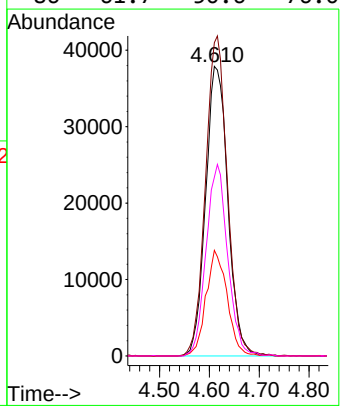
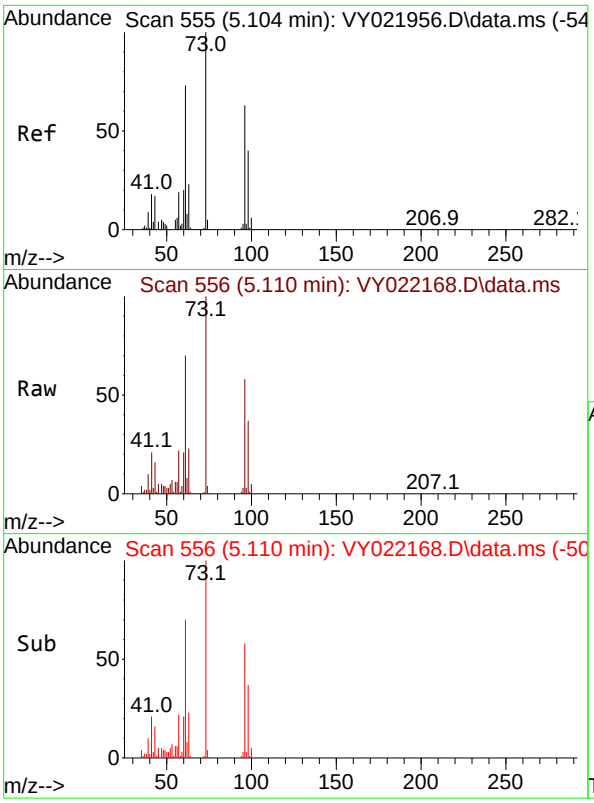


#20
Methylene Chloride
Concen: 46.330 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 84 Resp: 117503

Ion	Ratio	Lower	Upper
84	100		
49	108.2	79.9	119.9
51	36.5	25.4	38.0
86	61.7	50.6	76.0





#21
trans-1,2-Dichloroethene
Concen: 46.764 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 96 Resp: 11305

Ion	Ratio	Lower	Upper
96	100		
61	121.0	92.6	138.8
98	64.1	50.2	75.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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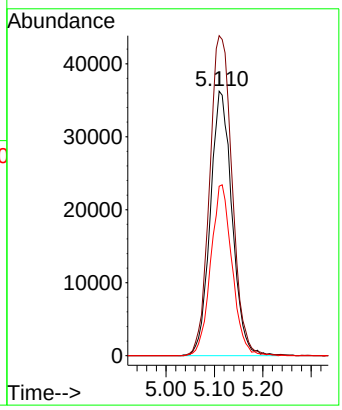
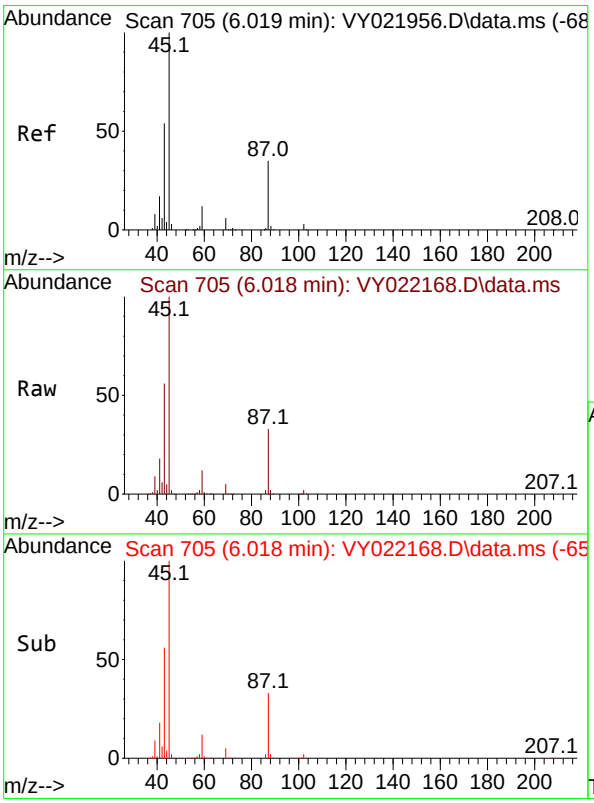
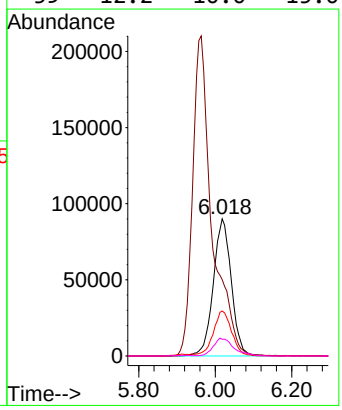


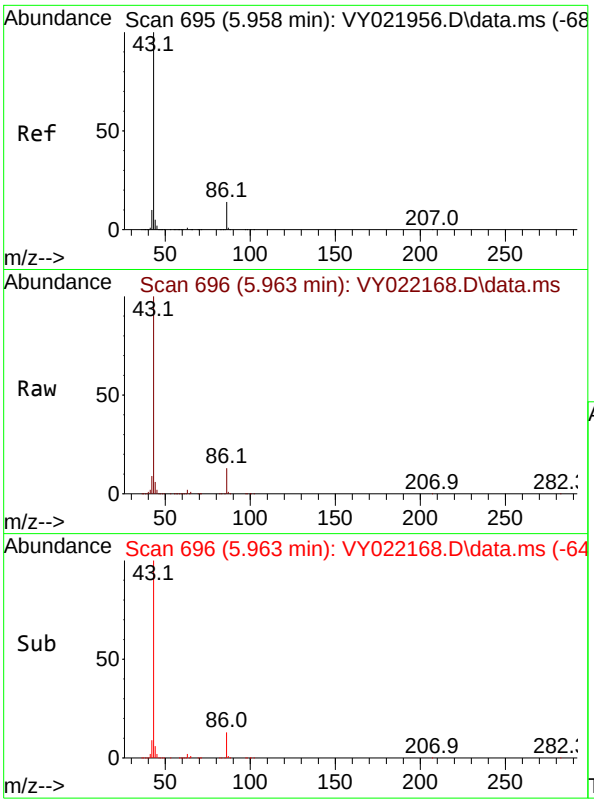


#22
Diisopropyl ether
Concen: 52.695 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 45 Resp: 294758

Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.6	65.4
87	32.8	28.2	42.4
59	12.2	10.0	15.0

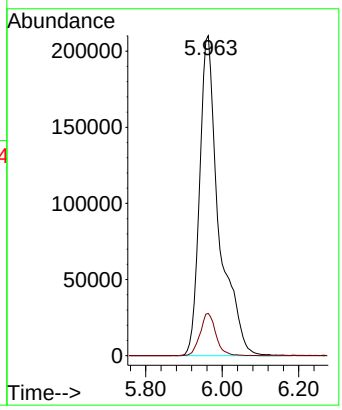




#23
Vinyl Acetate
Concen: 244.875 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 73819

Ion	Ratio	Lower	Upper
43	100		
86	13.2	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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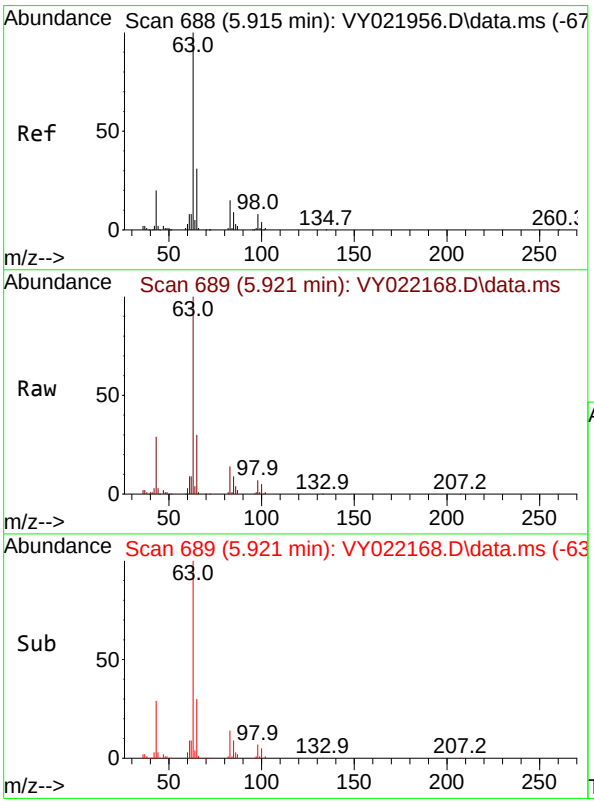
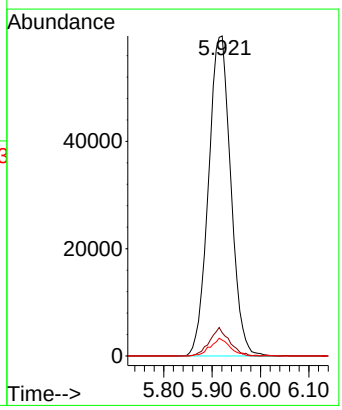
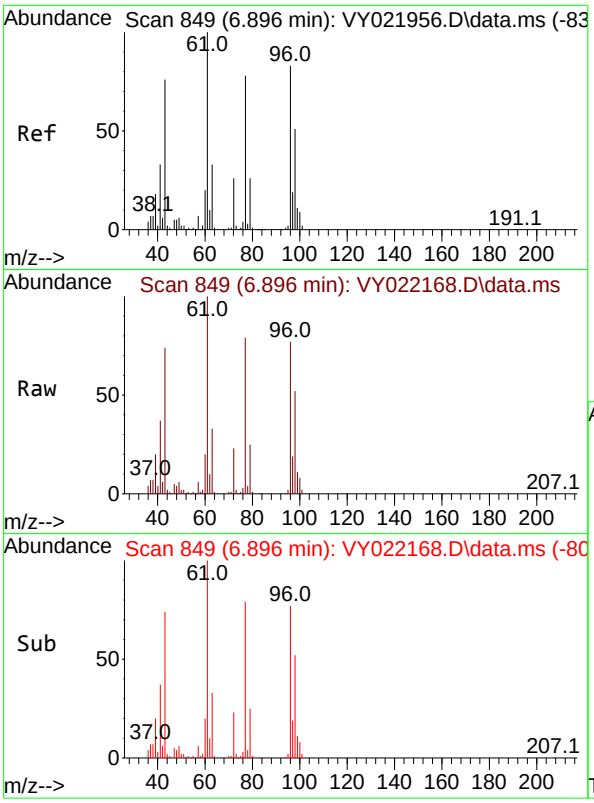


#24
1,1-Dichloroethane
Concen: 49.254 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 63 Resp: 190970

Ion	Ratio	Lower	Upper
63	100		
98	7.2	4.0	11.9
100	5.0	2.0	6.0





#25
2-Butanone
Concen: 257.410 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 11768

Ion	Ratio	Lower	Upper
43	100		
72	31.6	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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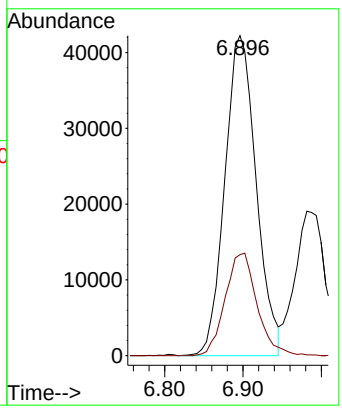
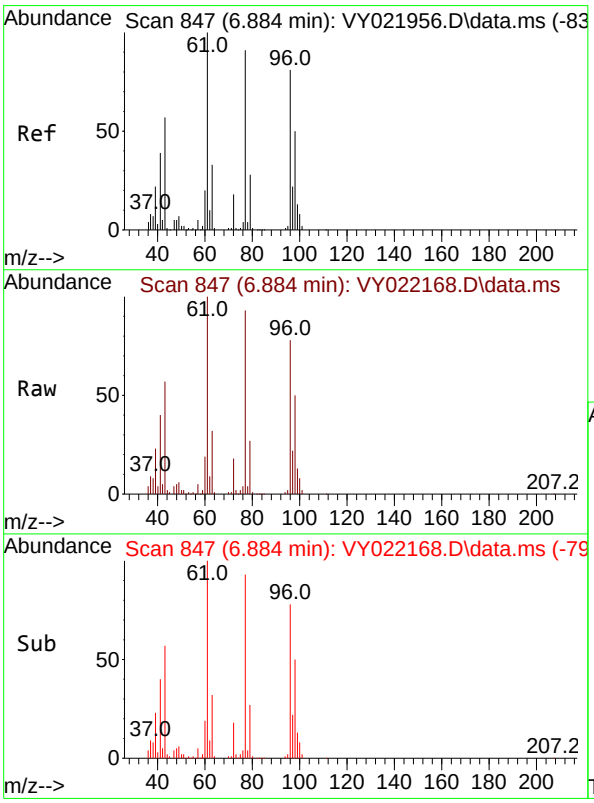
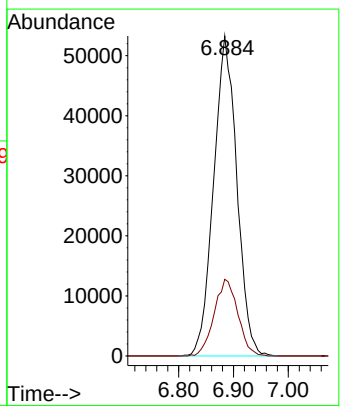


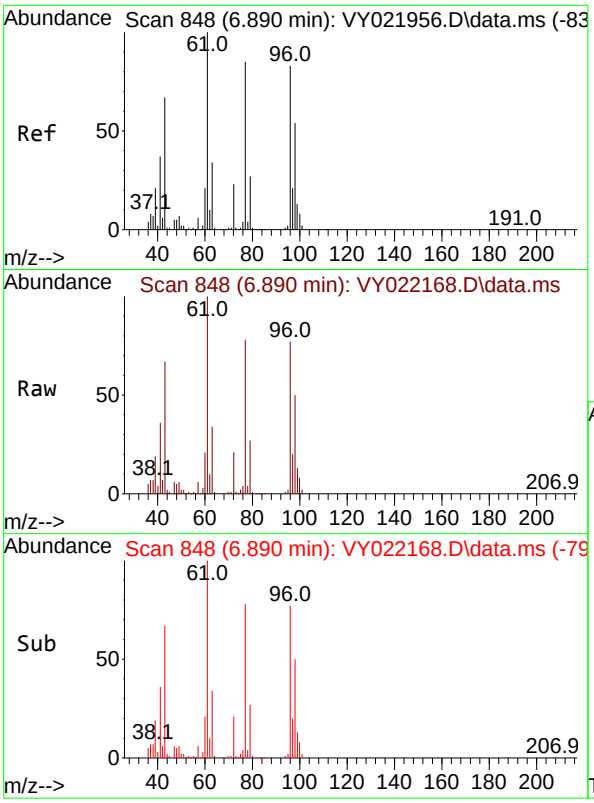


#26
2,2-Dichloropropane
Concen: 46.105 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 77 Resp: 156677

Ion	Ratio	Lower	Upper
77	100		
97	24.4	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 48.527 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 96 Resp: 13117

Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	251.4
98	64.7	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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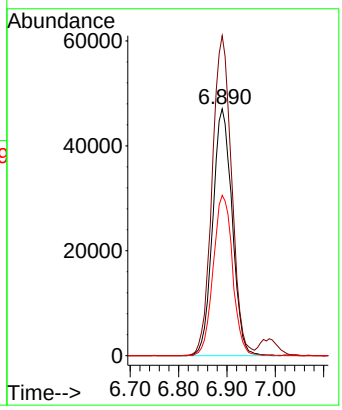
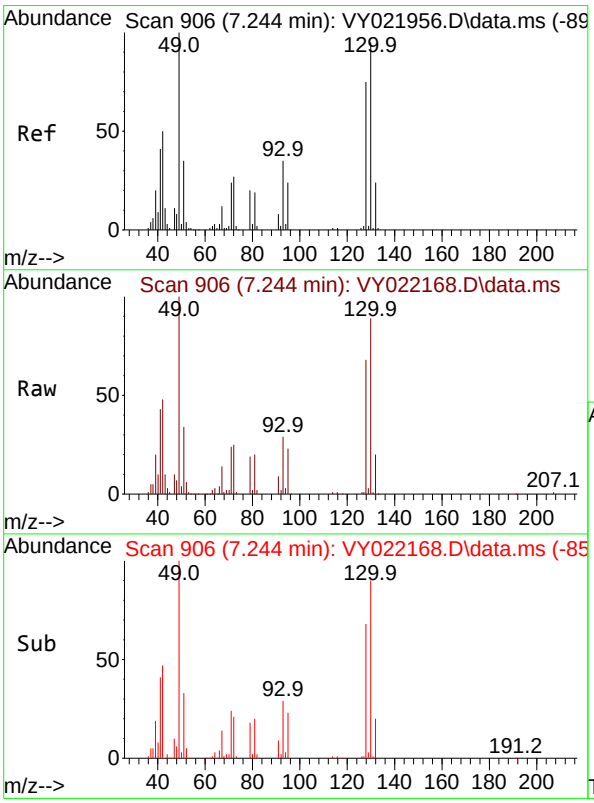
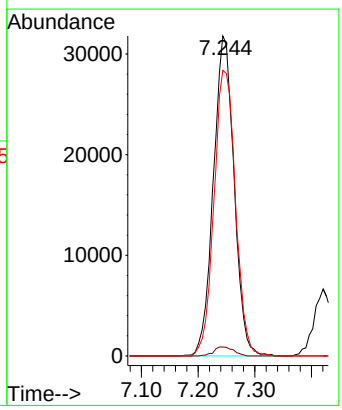


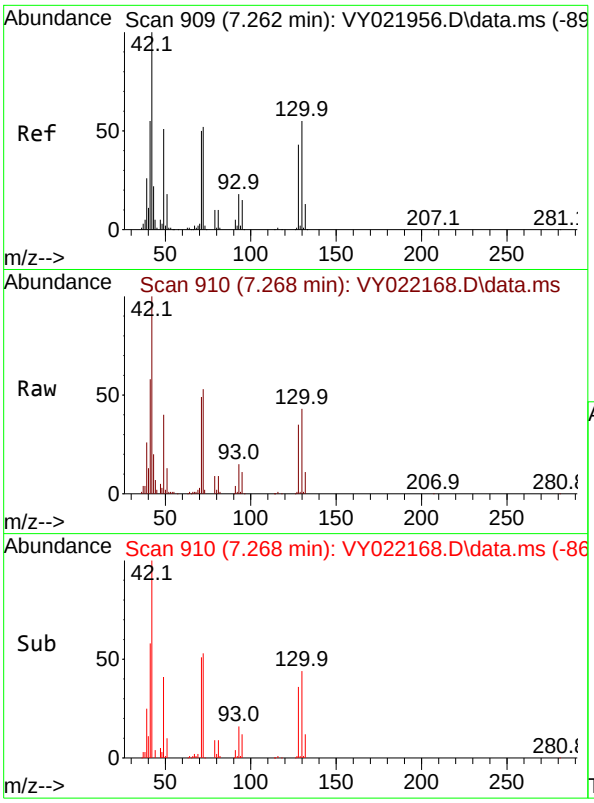


#28
Bromochloromethane
Concen: 53.541 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 49 Resp: 80633

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	92.6	78.2	117.4





#29
Tetrahydrofuran
Concen: 270.536 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 42 Resp: 8033

Ion	Ratio	Lower	Upper
42	100		
72	53.2	42.6	63.8
71	49.7	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
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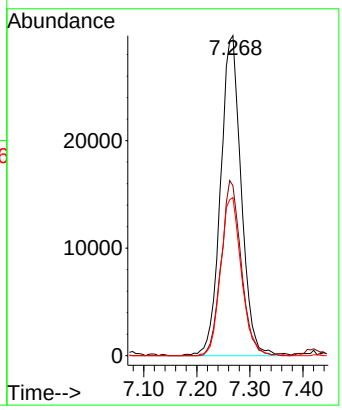
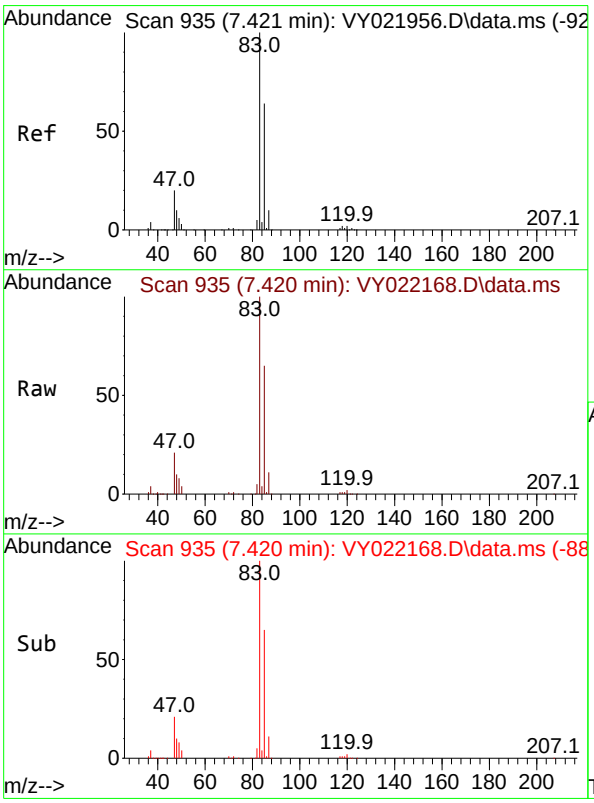
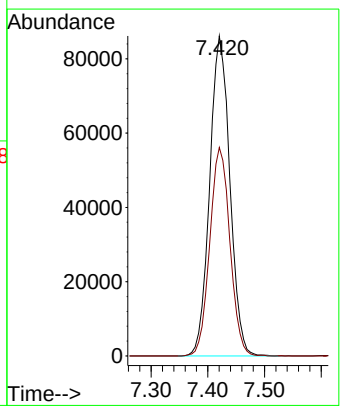


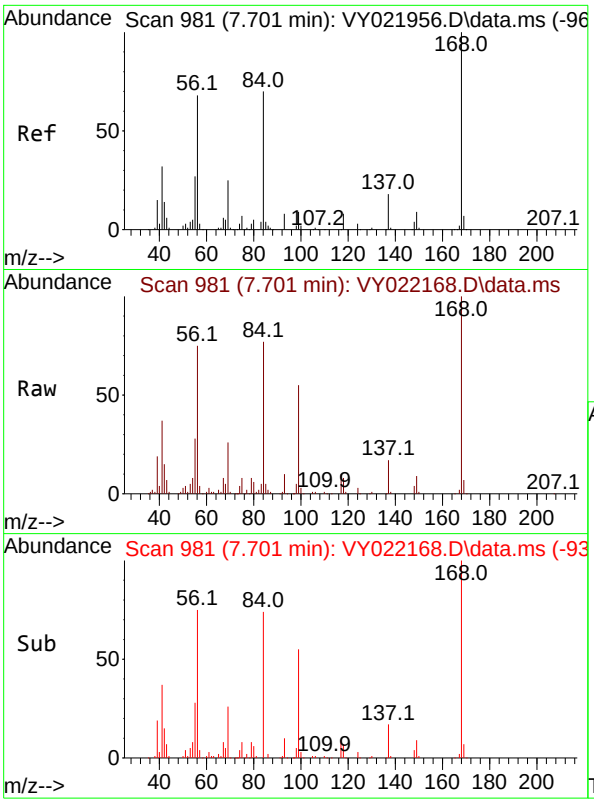


#30
Chloroform
Concen: 49.454 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 83 Resp: 212689

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.3	76.9





#31
Cyclohexane
Concen: 46.892 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 56 Resp: 15547

Ion	Ratio	Lower	Upper
56	100		
69	34.8	29.4	44.2
84	100.5	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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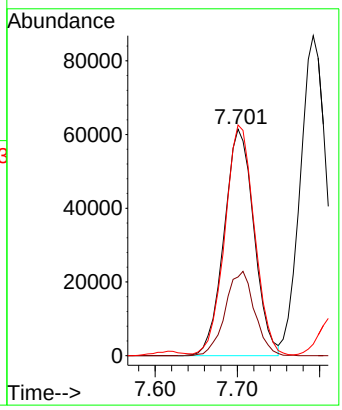
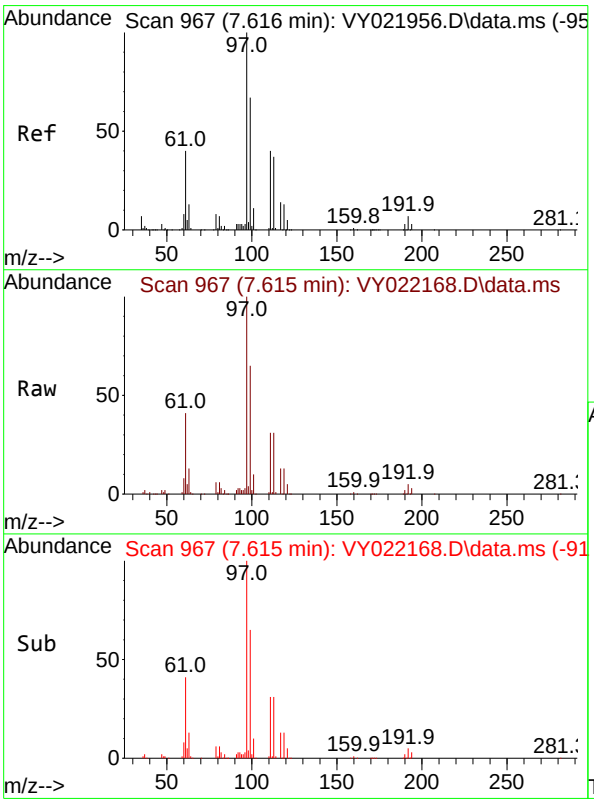
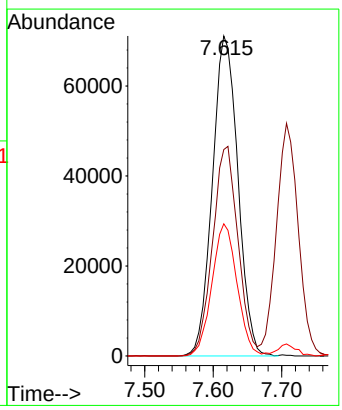


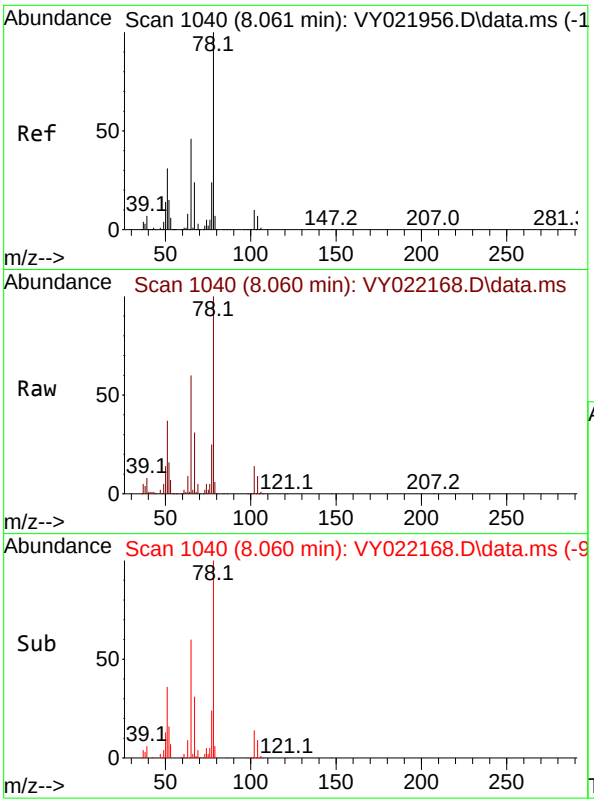


#32
1,1,1-Trichloroethane
Concen: 47.267 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 97 Resp: 183913

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	40.6	31.4	47.2

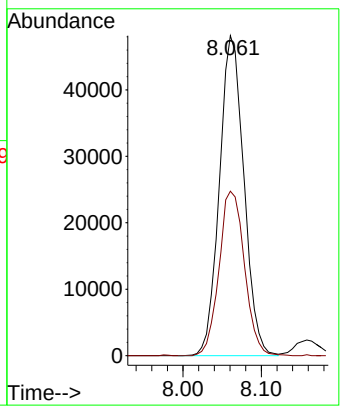




#33
1,2-Dichloroethane-d4
Concen: 52.175 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 65 Resp: 10464

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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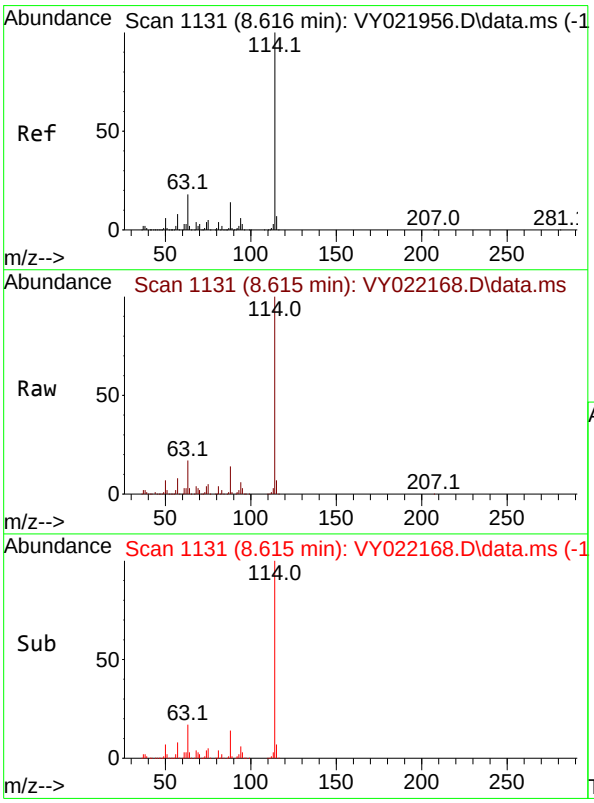
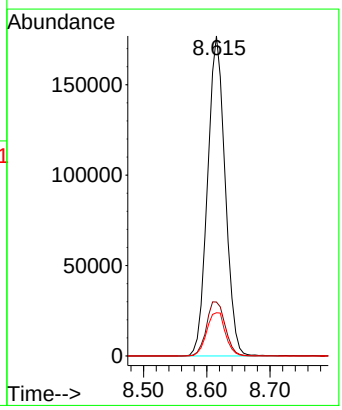
Supervised By :Semsettin Yesilyurt 05/06/2025

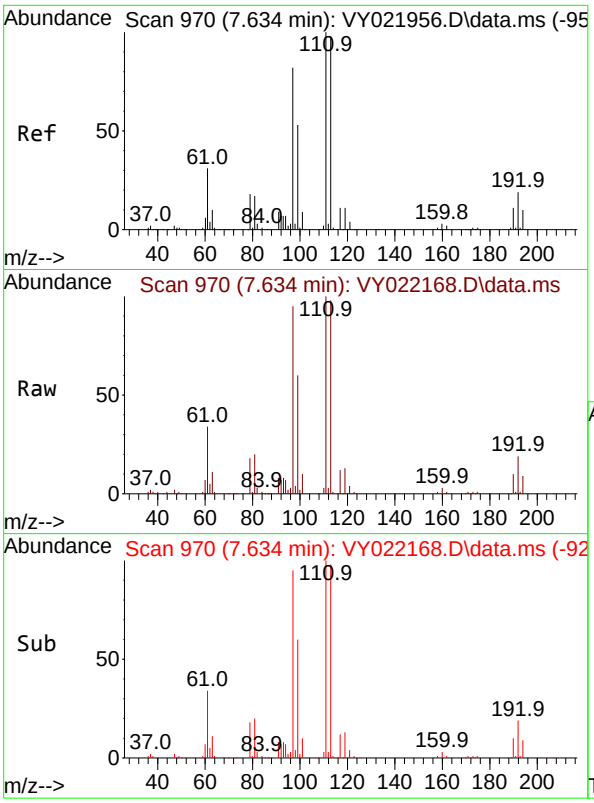


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:114 Resp: 341688

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	35.4
88	13.5	0.0	28.2





#35
Dibromofluoromethane
Concen: 50.537 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:113 Resp: 11408

Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.8	122.8
192	19.5	15.6	23.4

Instrument :
MSVOA_Y
ClientSampleId :
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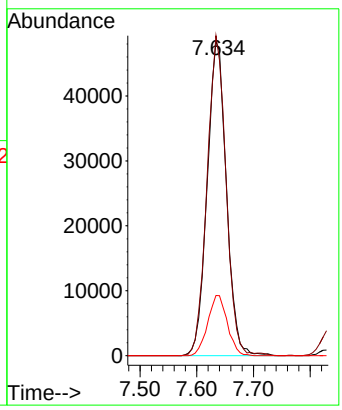
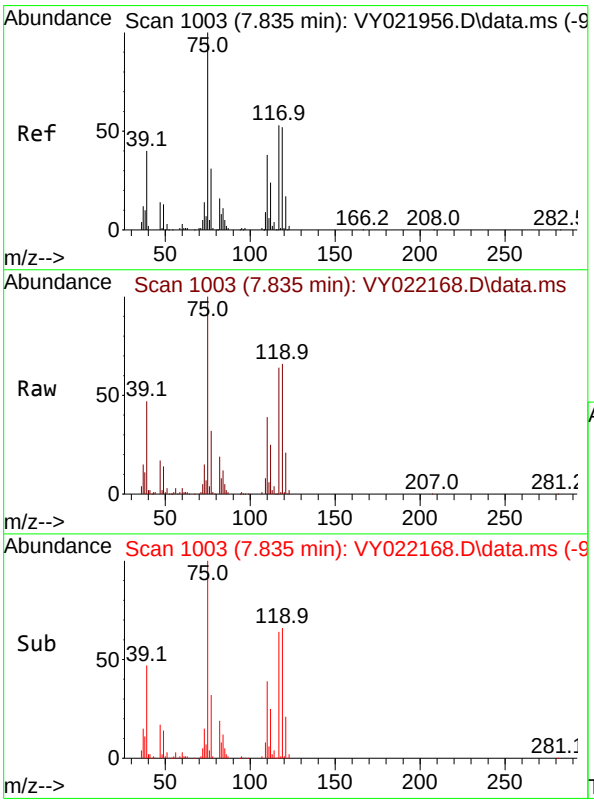
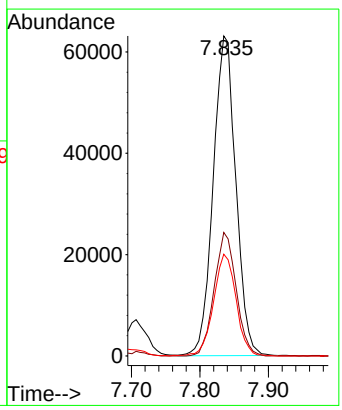


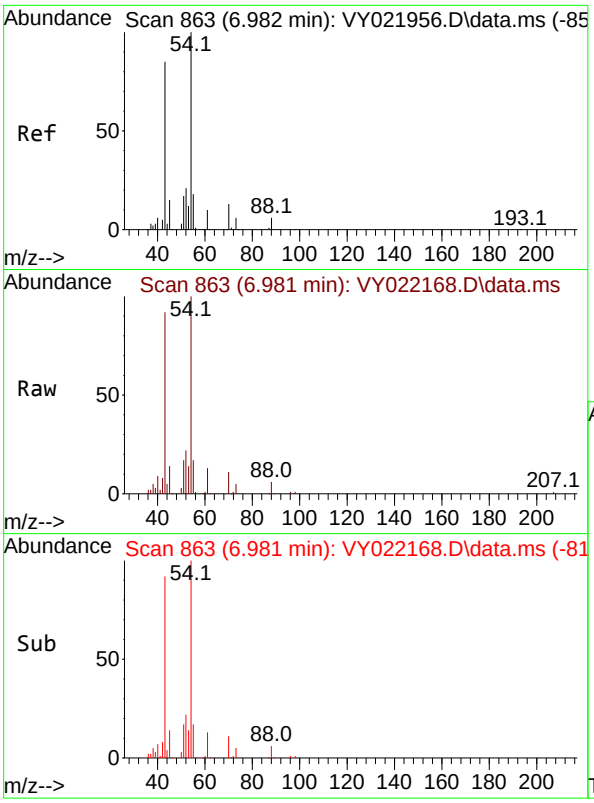


#36
1,1-Dichloropropene
Concen: 47.648 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 144480

Ion	Ratio	Lower	Upper
75	100		
110	37.4	19.1	57.3
77	31.8	25.5	38.3





#37
Ethyl Acetate
Concen: 48.577 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 5290

Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.8	20.6
70	12.1	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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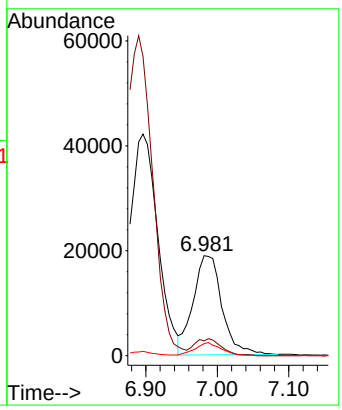
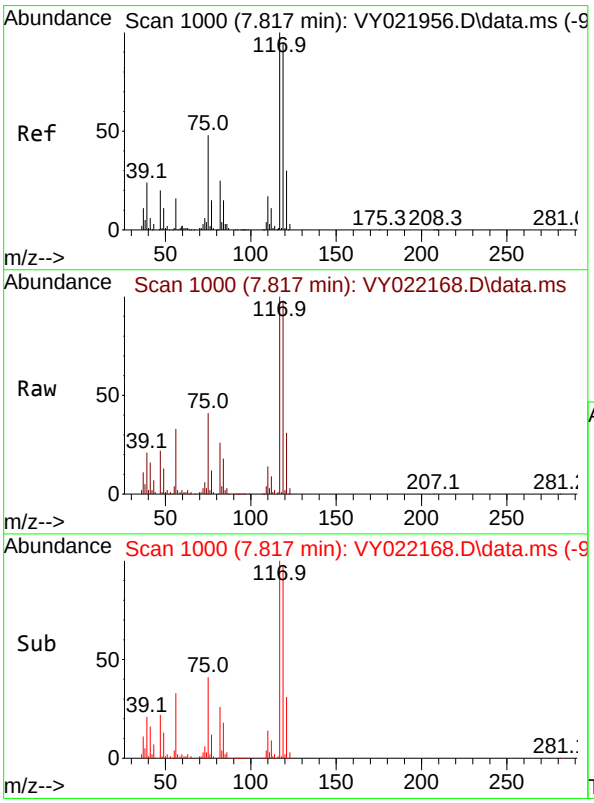
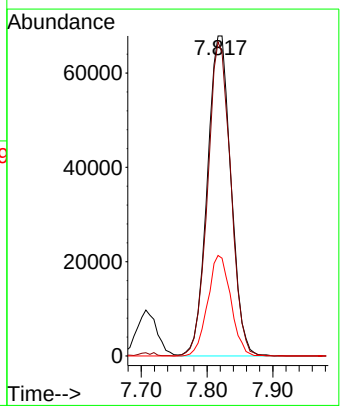


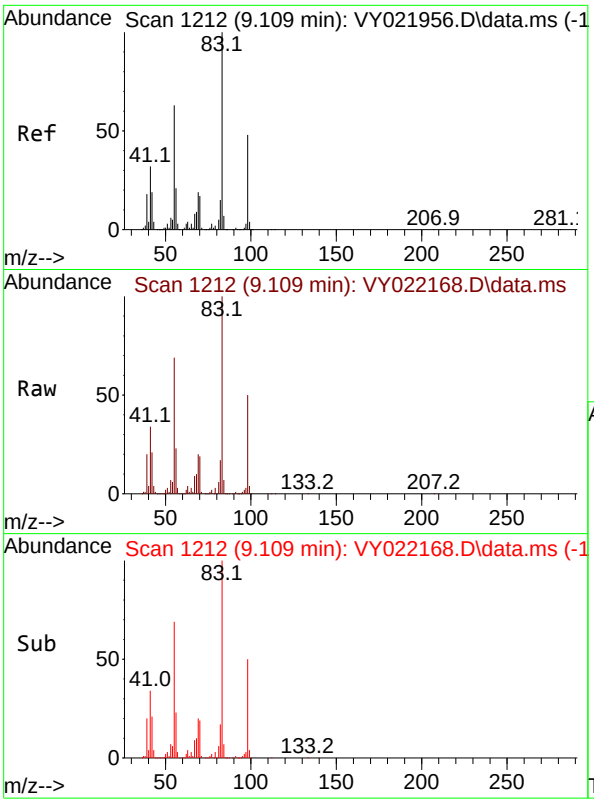


#38
Carbon Tetrachloride
Concen: 46.910 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:117 Resp: 169970

Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.2	114.4
121	31.4	24.0	36.0





#39
Methylcyclohexane
Concen: 46.849 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 83 Resp: 17877

Ion	Ratio	Lower	Upper
83	100		
55	69.2	50.6	75.8
98	49.6	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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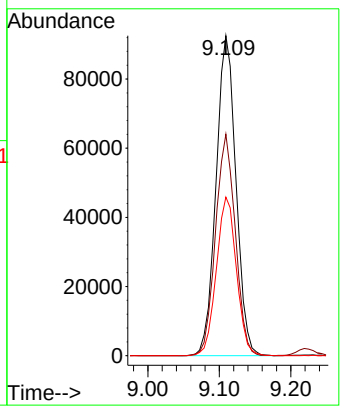
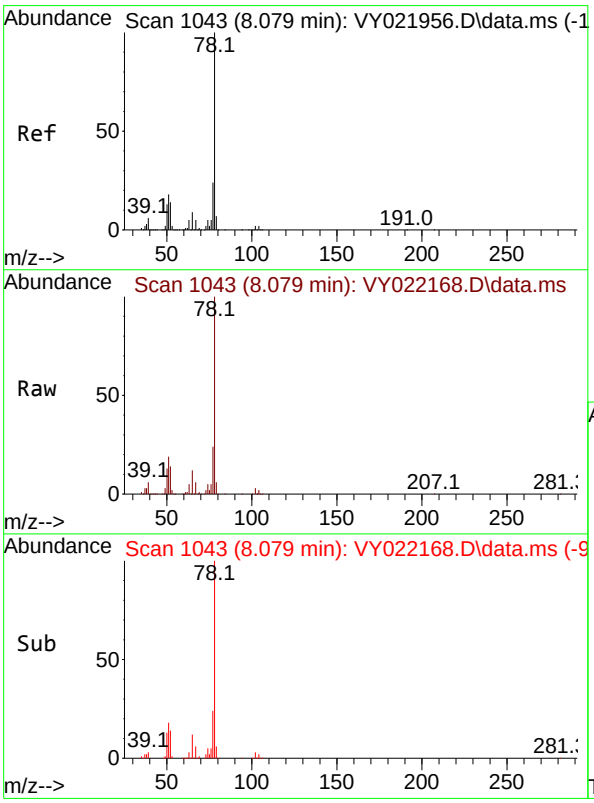
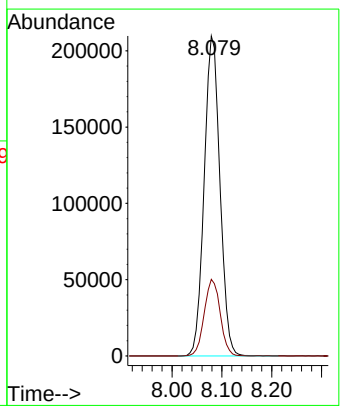


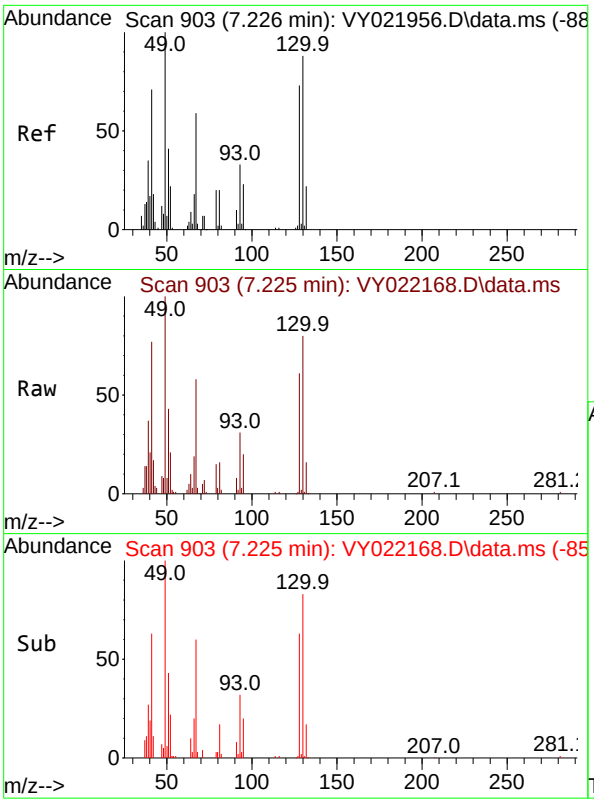


#40
Benzene
Concen: 48.586 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 78 Resp: 460531

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9

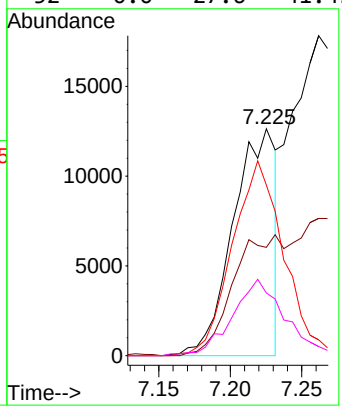




#41
Methacrylonitrile
Concen: 44.211 ug/l m
RT: 7.225 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 41 Resp: 2632

Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.6	55.0#
67	0.0	72.2	108.4#
52	0.0	27.6	41.4#



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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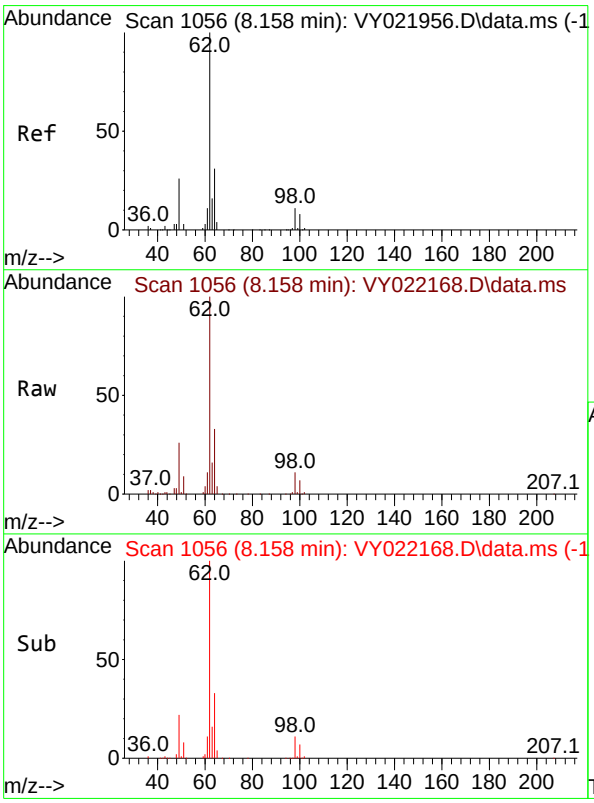
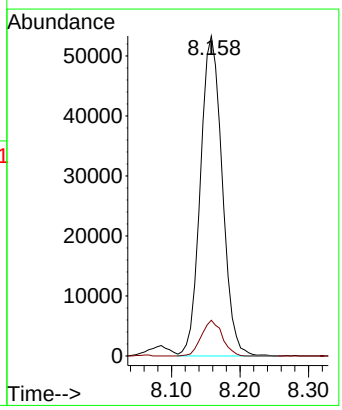
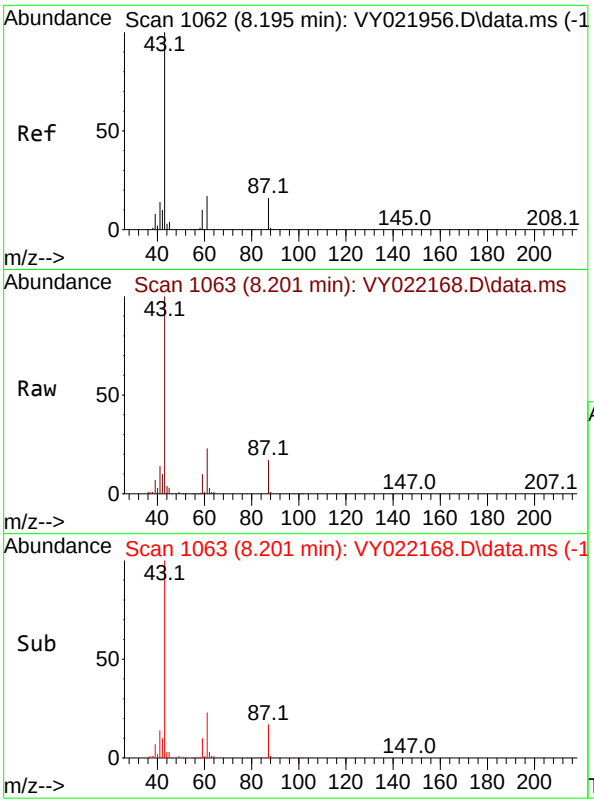


#42
1,2-Dichloroethane
Concen: 50.320 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 62 Resp: 118092

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0

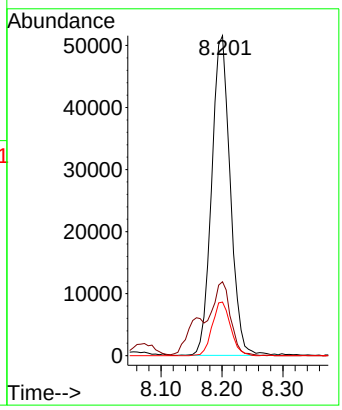




#43
Isopropyl Acetate
Concen: 52.086 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 10893

Ion	Ratio	Lower	Upper
43	100		
61	23.4	18.9	28.3
87	16.6	13.7	20.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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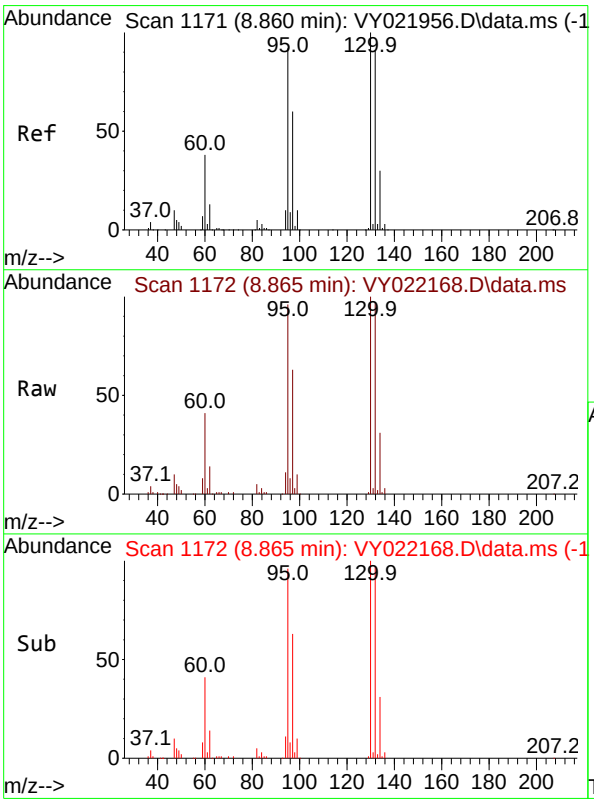
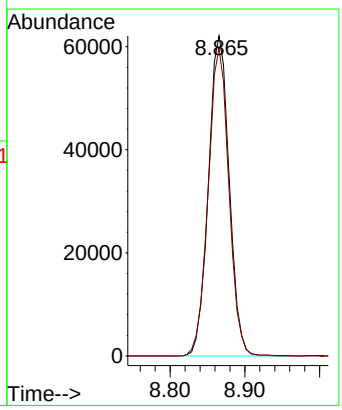
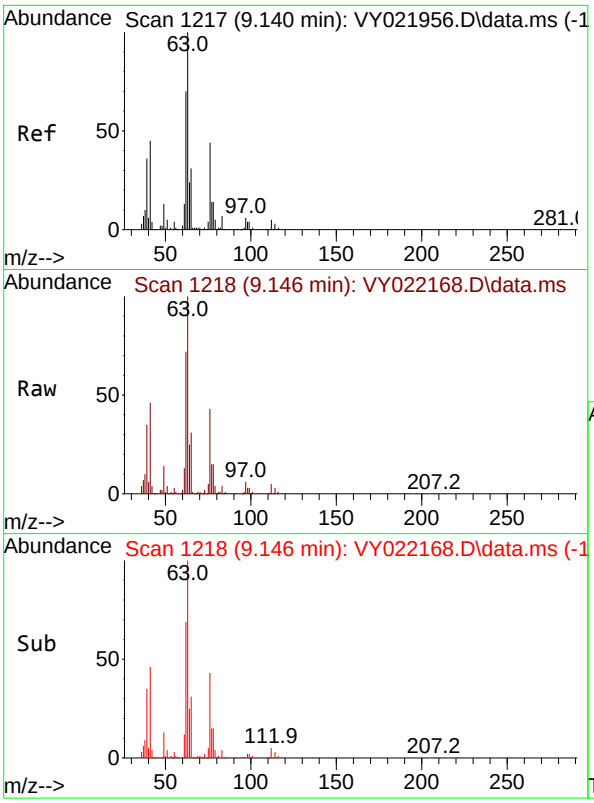


#44
Trichloroethene
Concen: 45.632 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:130 Resp: 119805

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	183.2





#45
1,2-Dichloropropane
Concen: 50.574 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 63 Resp: 10601

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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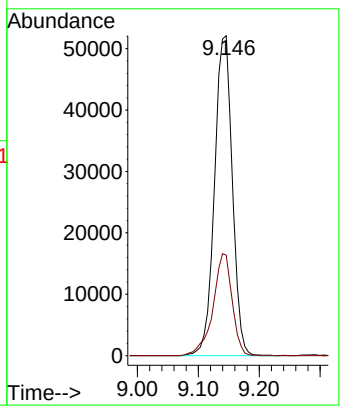
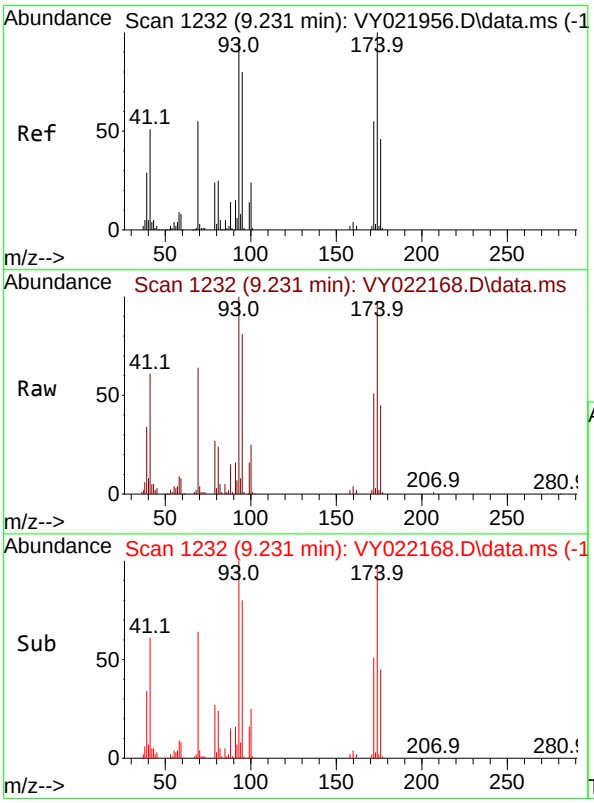
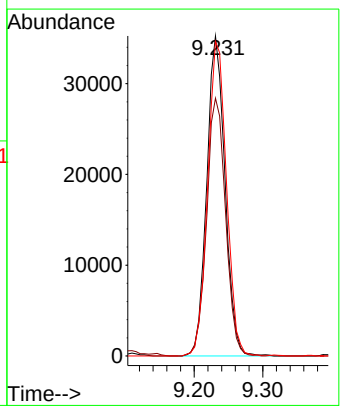


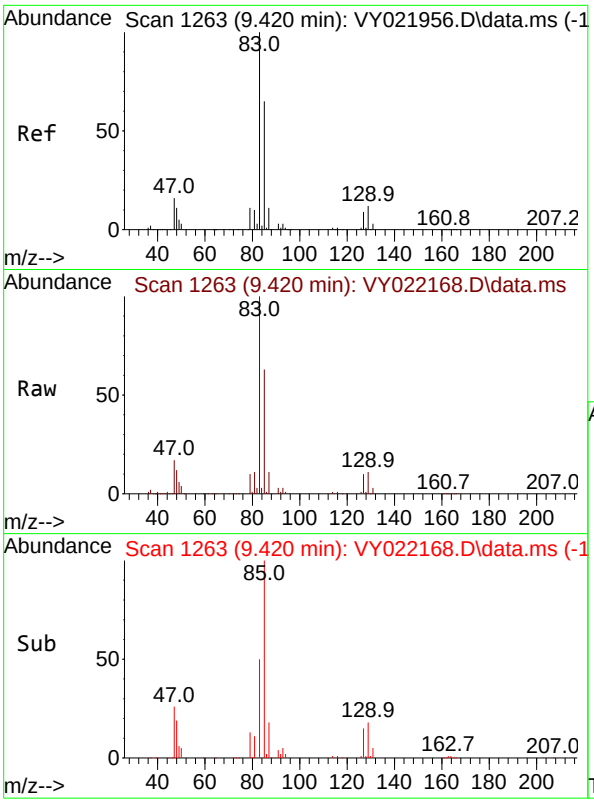


#46
Dibromomethane
Concen: 49.725 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 93 Resp: 65249

Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.7	100.1
174	101.4	84.6	127.0

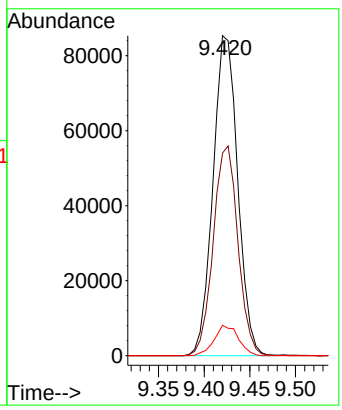




#47
Bromodichloromethane
Concen: 48.998 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 83 Resp: 16061

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.8
127	9.5	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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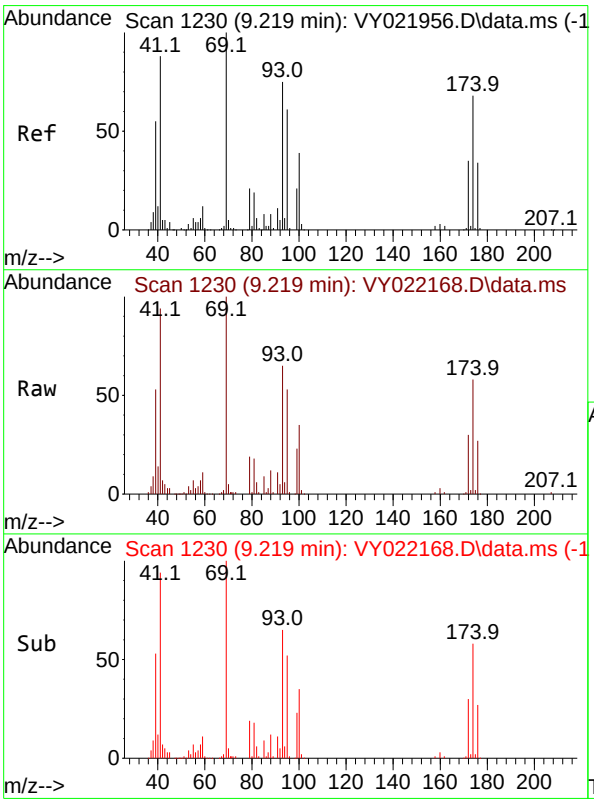
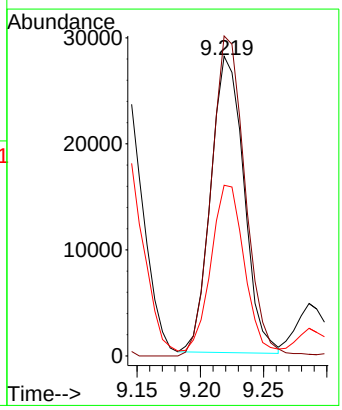
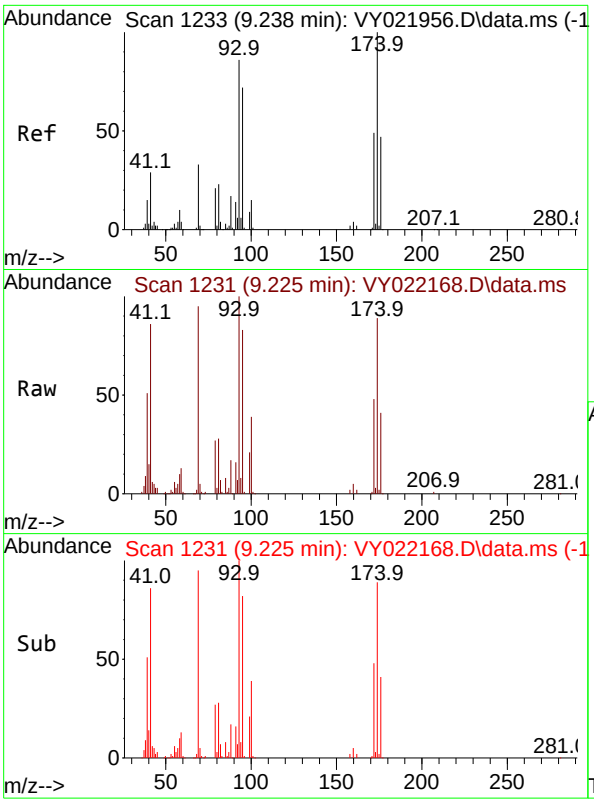


#48
Methyl methacrylate
Concen: 52.655 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 41 Resp: 50908

Ion	Ratio	Lower	Upper
41	100		
69	110.0	85.5	128.3
39	55.9	46.2	69.4





#49
1,4-Dioxane
Concen: 979.999 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.013 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 88 Resp: 1370

Ion	Ratio	Lower	Upper
88	100		
43	25.7	21.3	31.9
58	57.6	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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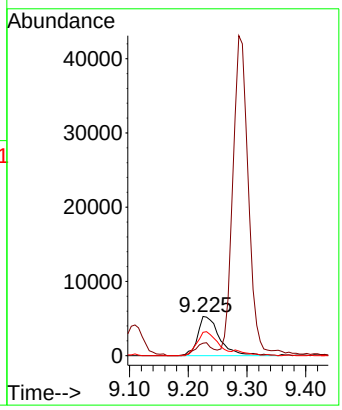
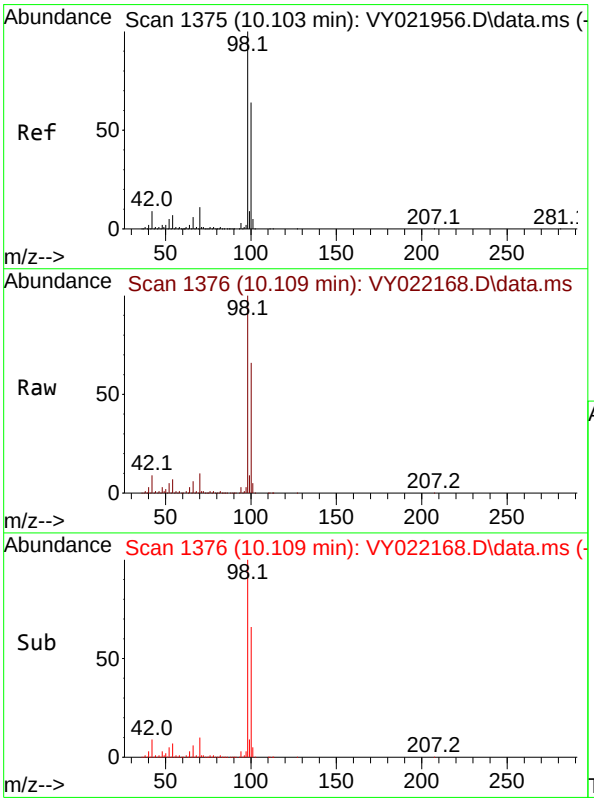
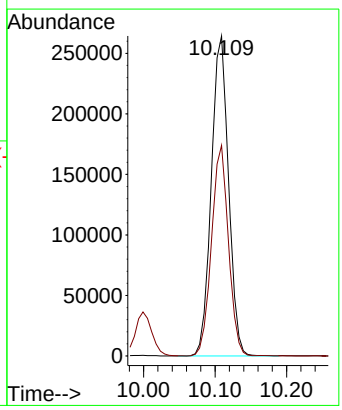


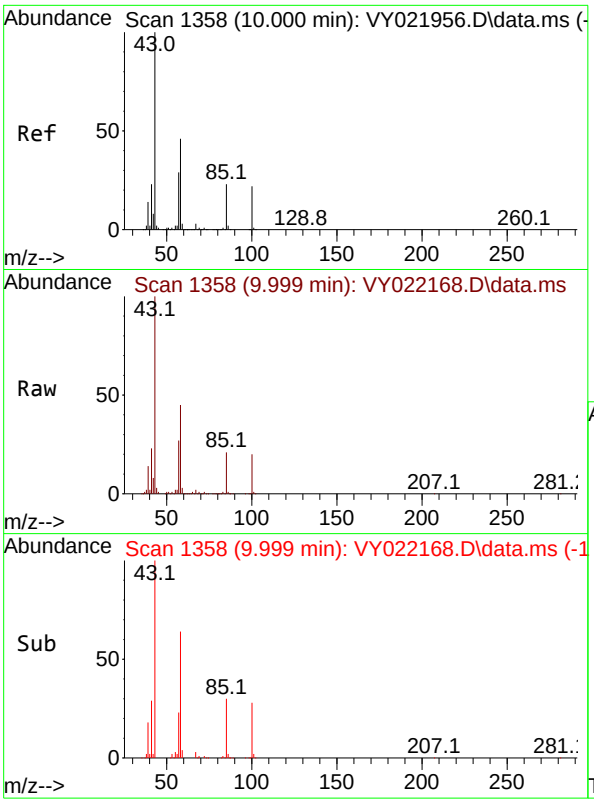


#50
Toluene-d8
Concen: 51.841 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 98 Resp: 441178

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 277.484 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 30421

Ion	Ratio	Lower	Upper
43	100		
58	44.0	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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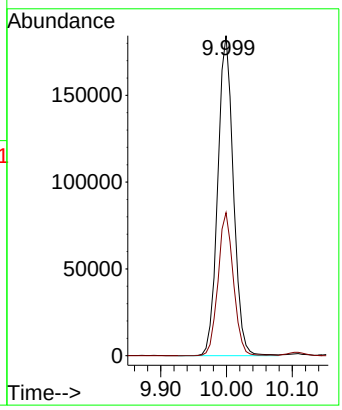
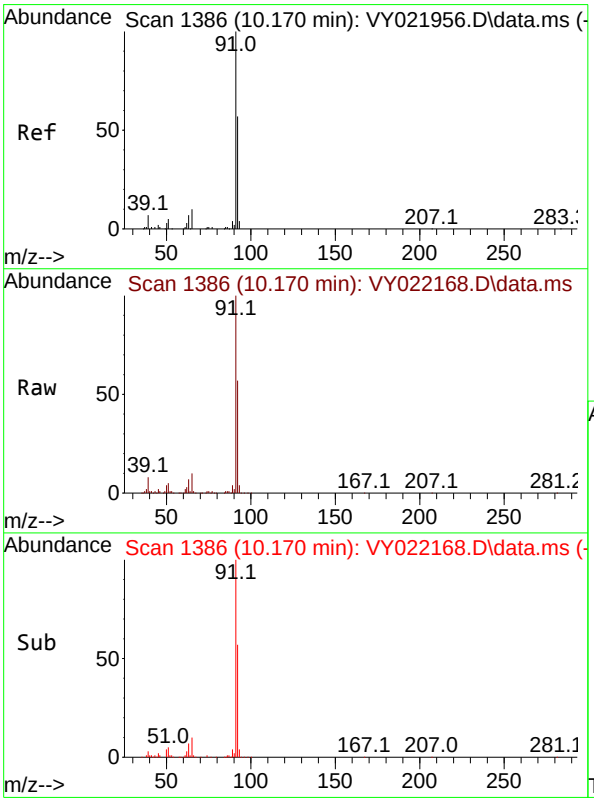
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

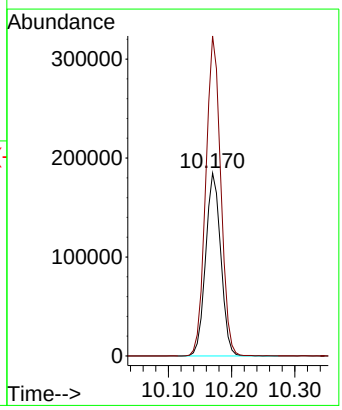


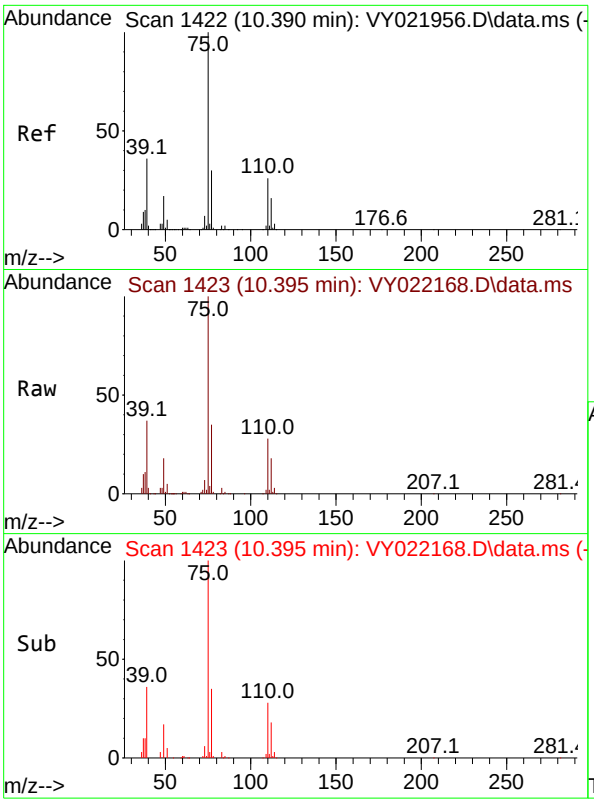


#52
Toluene
Concen: 50.183 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 92 Resp: 307906

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.6	207.8

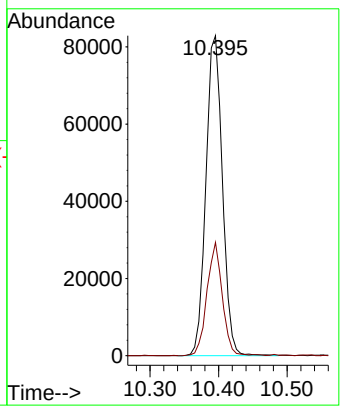




#53
t-1,3-Dichloropropene
Concen: 49.348 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 13875

Ion	Ratio	Lower	Upper
75	100		
77	35.4	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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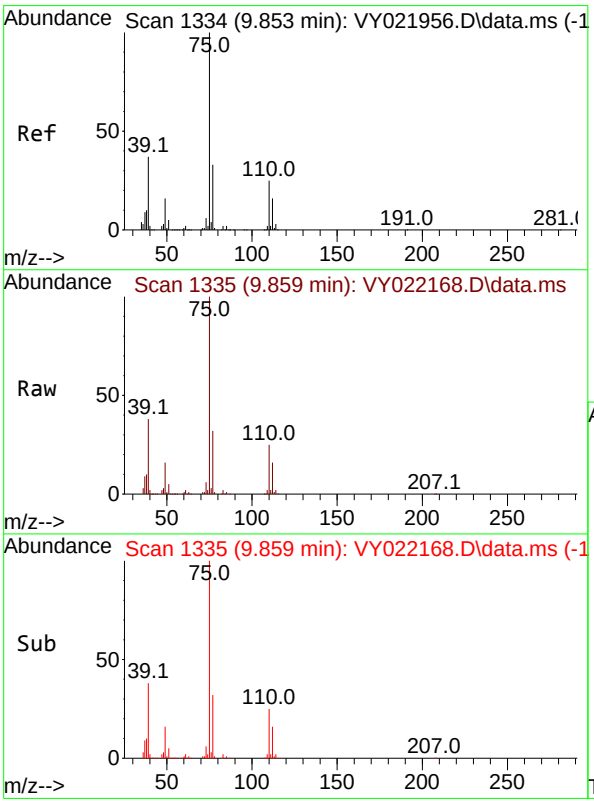
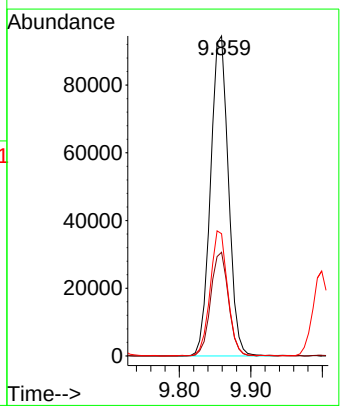
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

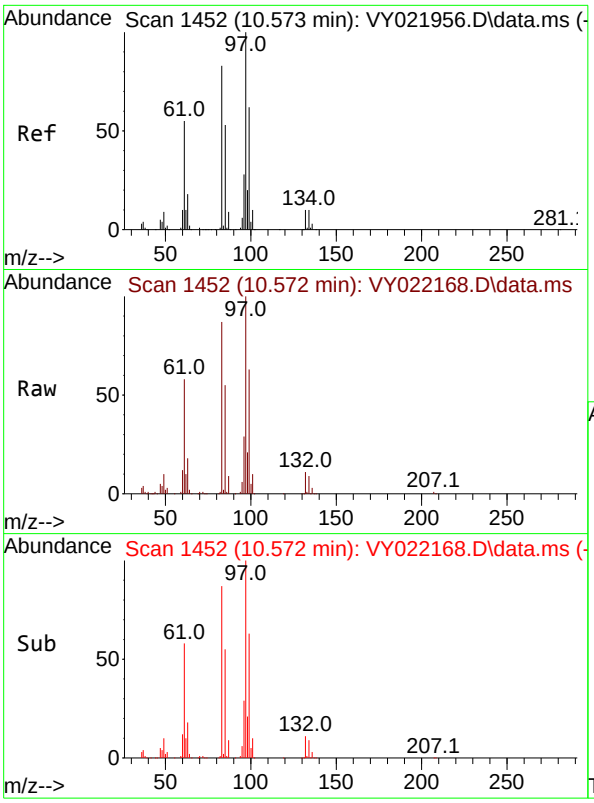


#54
cis-1,3-Dichloropropene
Concen: 49.139 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 164239

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	40.0
39	38.1	29.6	44.4

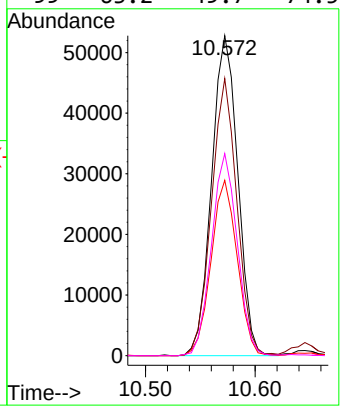




#55
1,1,2-Trichloroethane
Concen: 50.153 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 97 Resp: 8790

Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.7	100.1
85	54.8	42.6	64.0
99	63.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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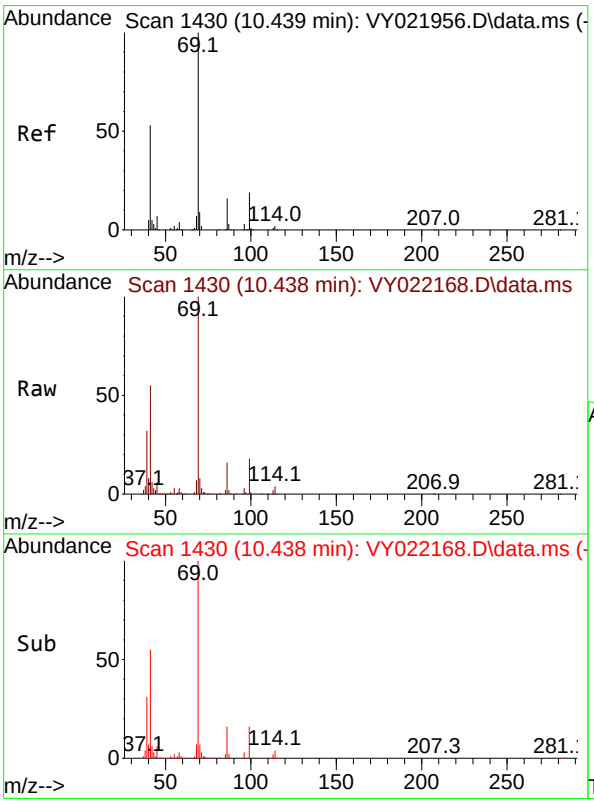
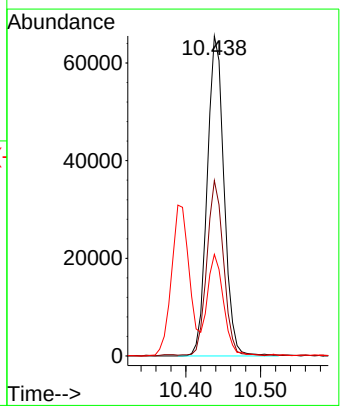
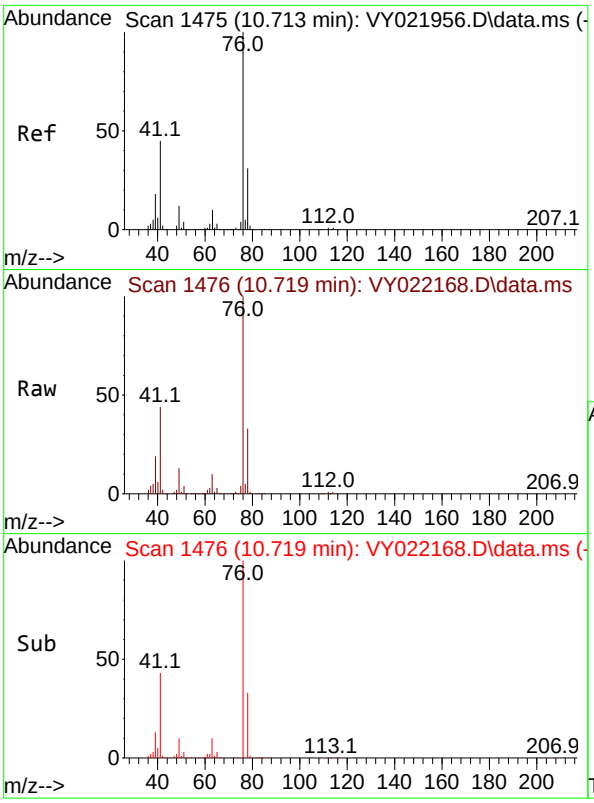


#56
Ethyl methacrylate
Concen: 51.135 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 69 Resp: 102496

Ion	Ratio	Lower	Upper
69	100		
41	54.0	40.7	61.1
39	29.8	23.3	34.9

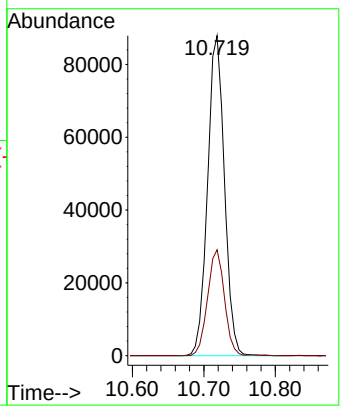




#57
1,3-Dichloropropane
Concen: 51.247 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 76 Resp: 14400

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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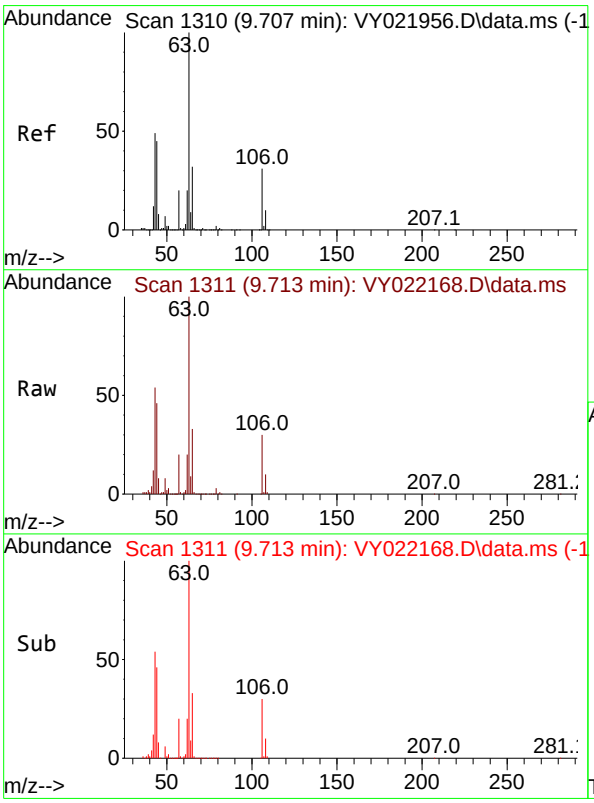
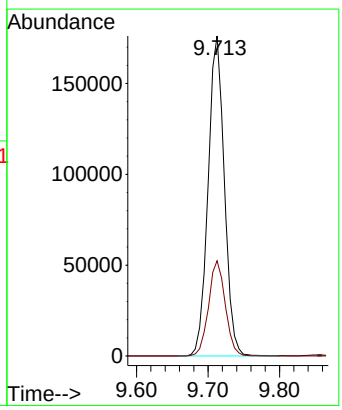
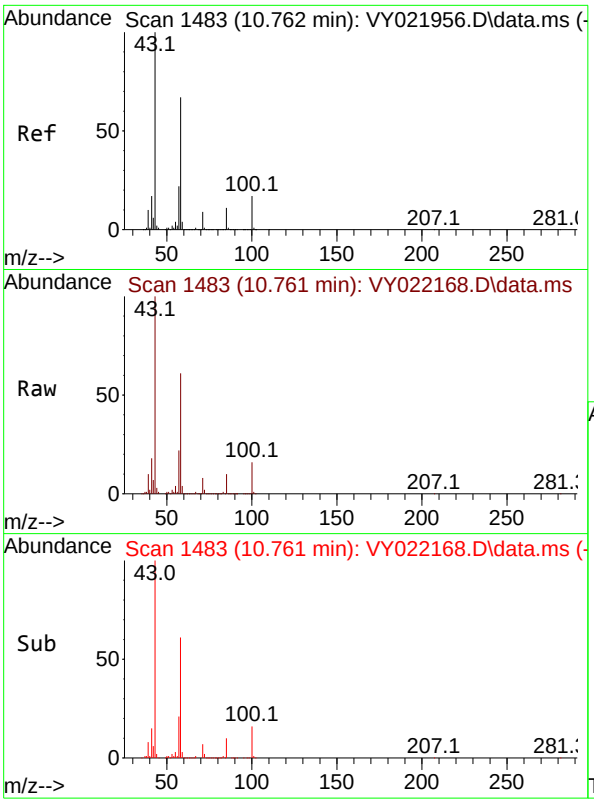


#58
2-Chloroethyl Vinyl ether
Concen: 283.528 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 63 Resp: 277862

Ion	Ratio	Lower	Upper
63	100		
106	30.5	25.3	37.9





#59
2-Hexanone
Concen: 277.284 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 20051

Ion	Ratio	Lower	Upper
43	100		
58	62.3	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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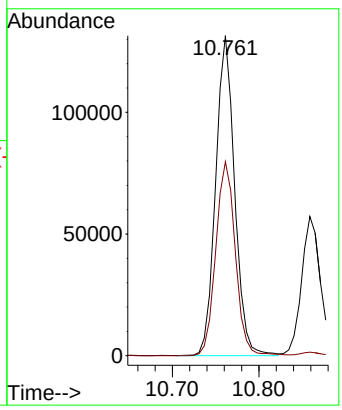
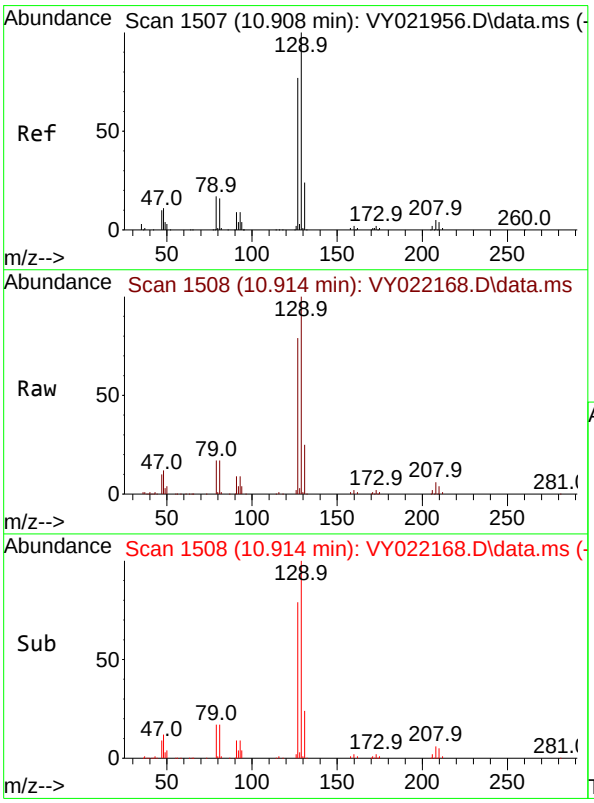
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

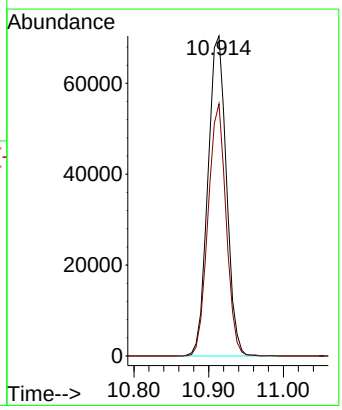


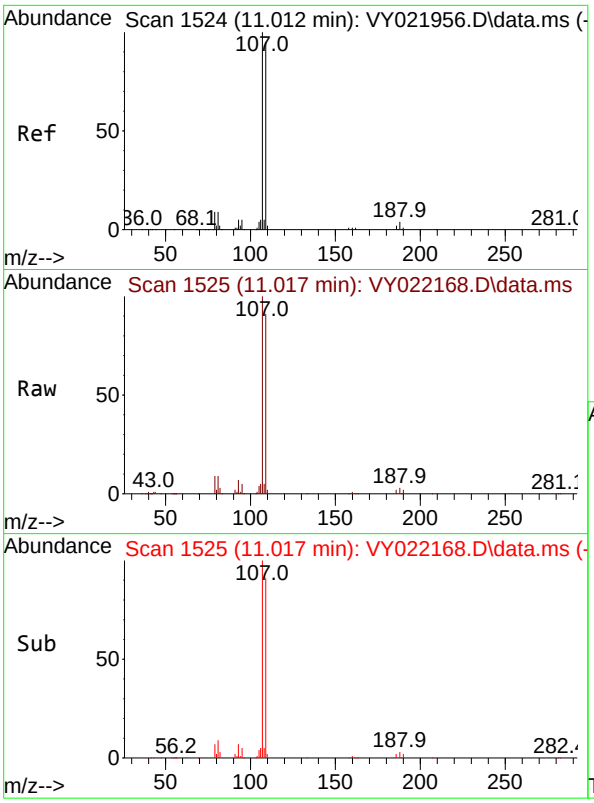


#60
Dibromochloromethane
Concen: 50.002 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:129 Resp: 121340

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3





#61
1,2-Dibromoethane
Concen: 50.718 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:107 Resp: 8392

Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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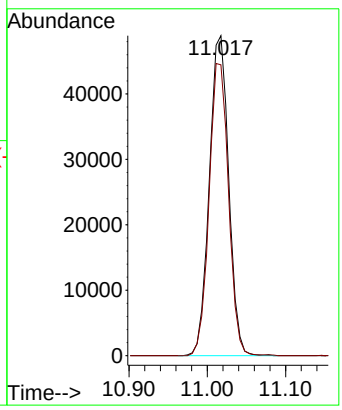
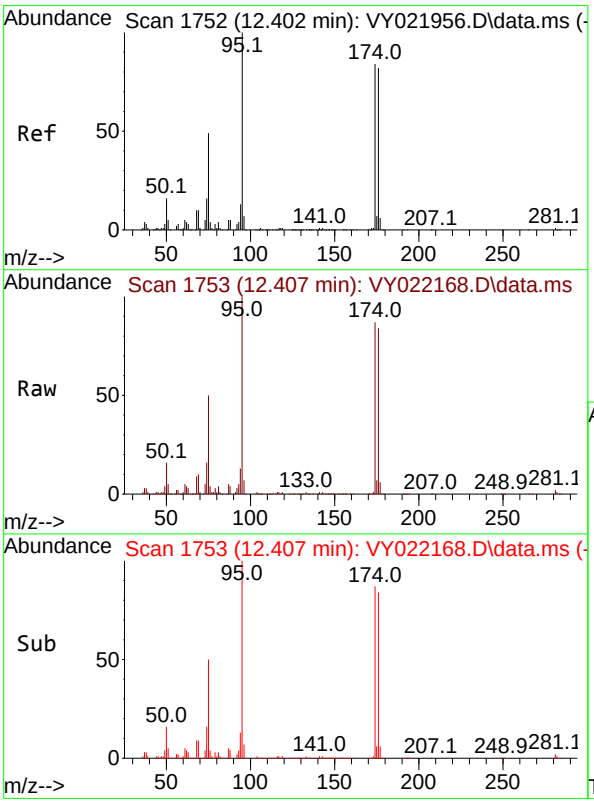
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

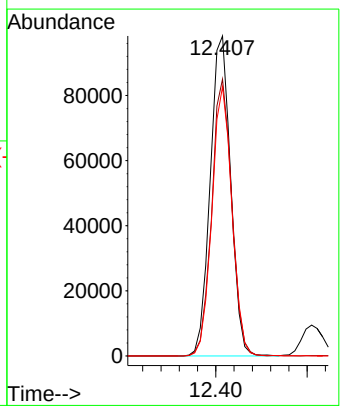


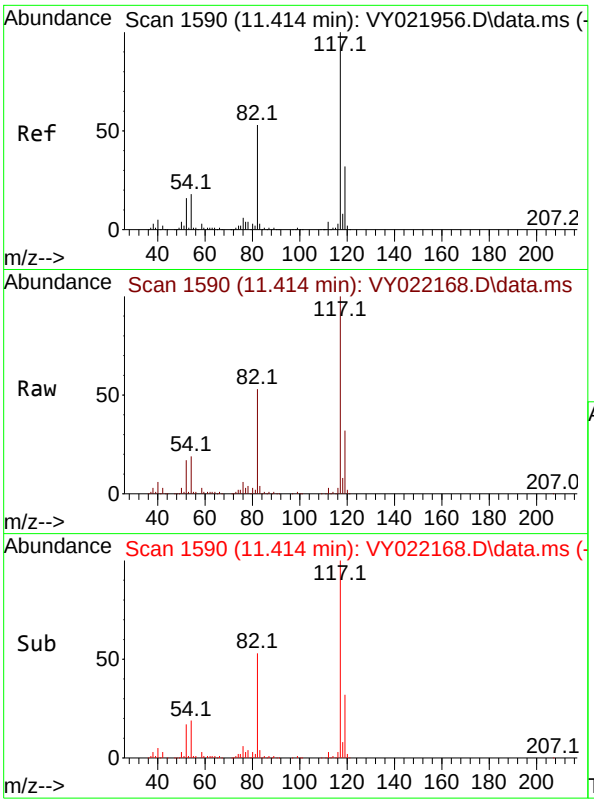


#62
4-Bromofluorobenzene
Concen: 53.325 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 95 Resp: 152772

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	179.0
176	82.2	0.0	171.8

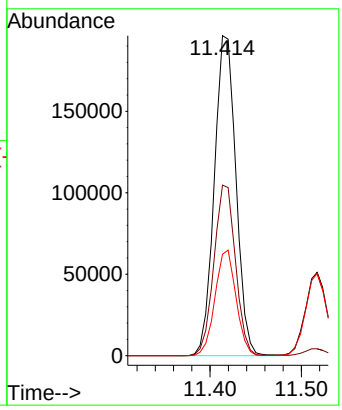




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:117 Resp: 32365

Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	31.7	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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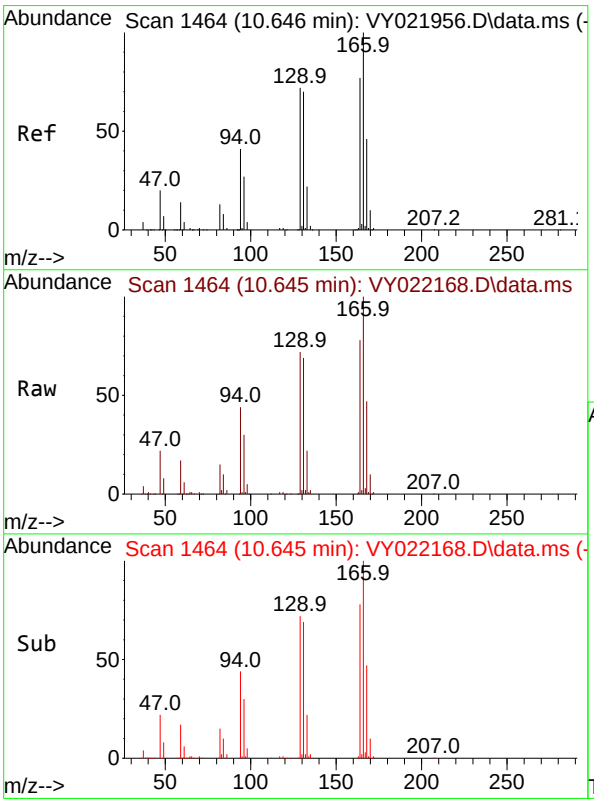
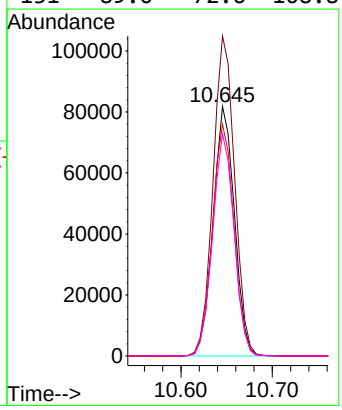
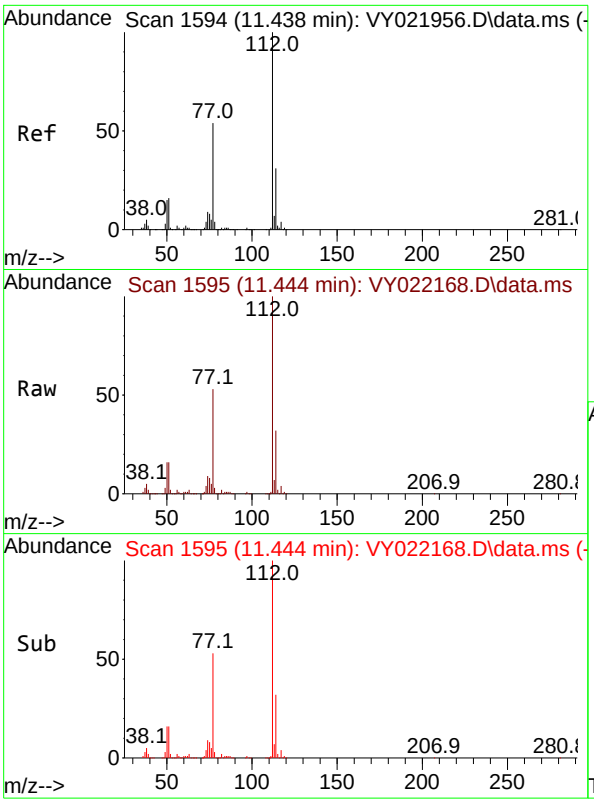


#64
Tetrachloroethene
Concen: 43.441 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:164 Resp: 132633

Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.6	155.4
129	92.8	74.2	111.4
131	89.0	72.6	108.8

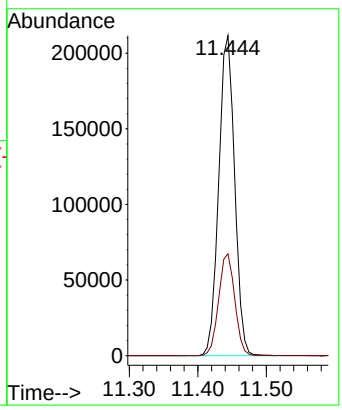




#65
Chlorobenzene
Concen: 47.013 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:112 Resp: 34026

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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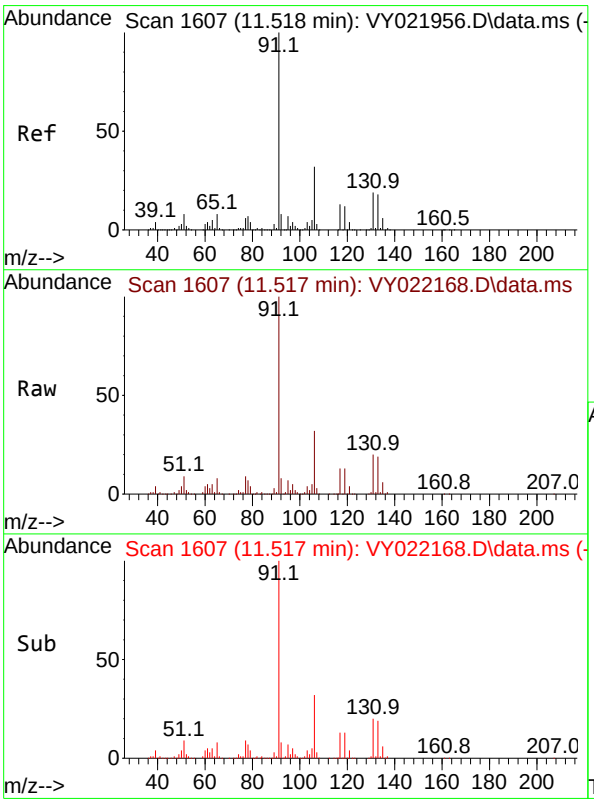
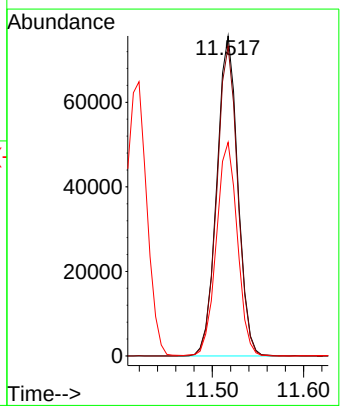
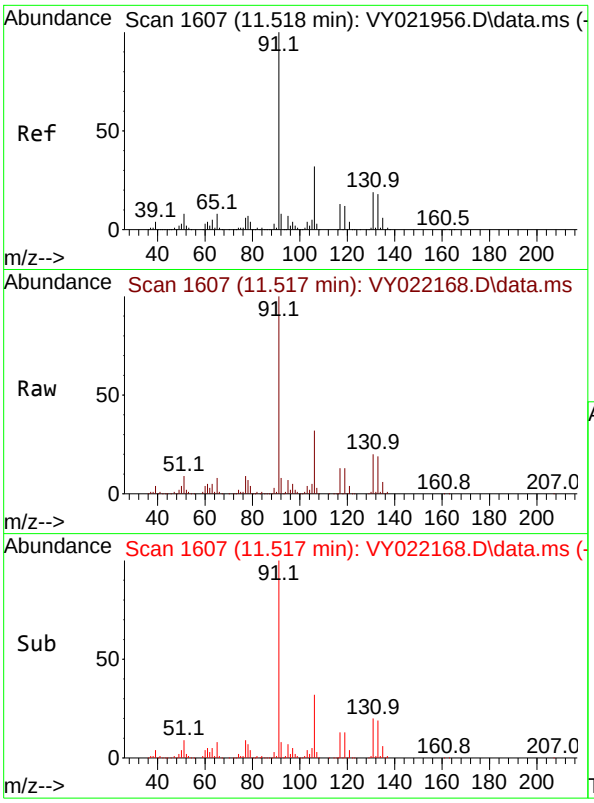


#66
1,1,1,2-Tetrachloroethane
Concen: 47.490 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:131 Resp: 121008

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.8	143.3
119	66.9	32.4	97.0





#67
Ethyl Benzene
Concen: 49.439 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 91 Resp: 58533

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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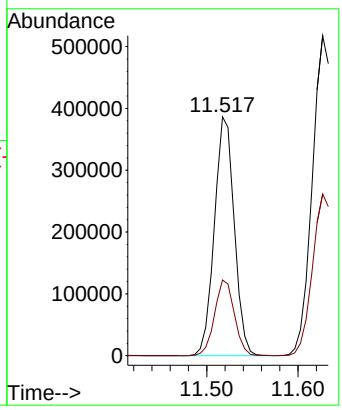
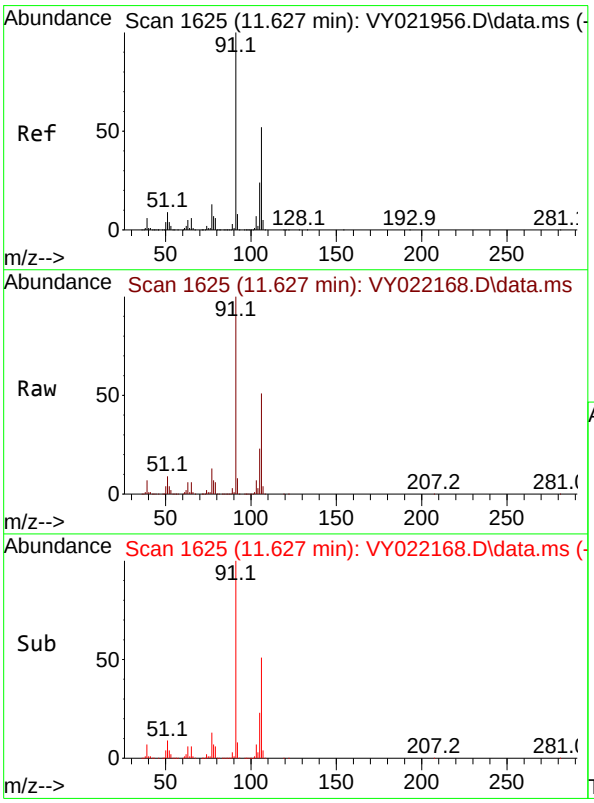
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

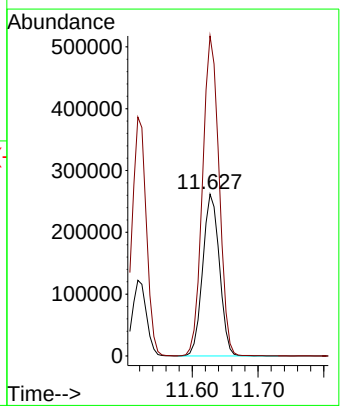


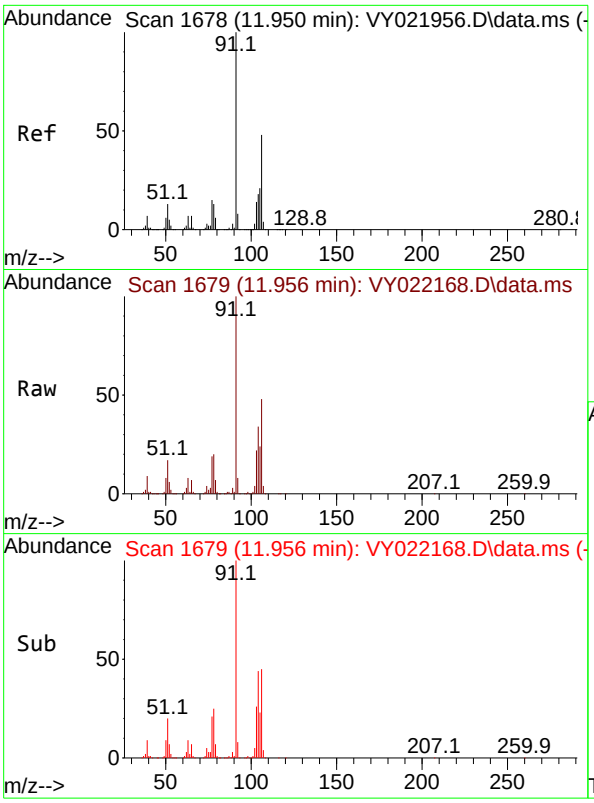


#68
m/p-Xylenes
Concen: 98.163 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:106 Resp: 462468

Ion	Ratio	Lower	Upper
106	100		
91	195.8	156.2	234.2





#69
o-Xylene
Concen: 49.049 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

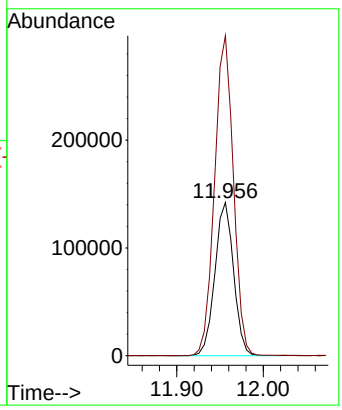
Tgt Ion:106 Resp: 21298

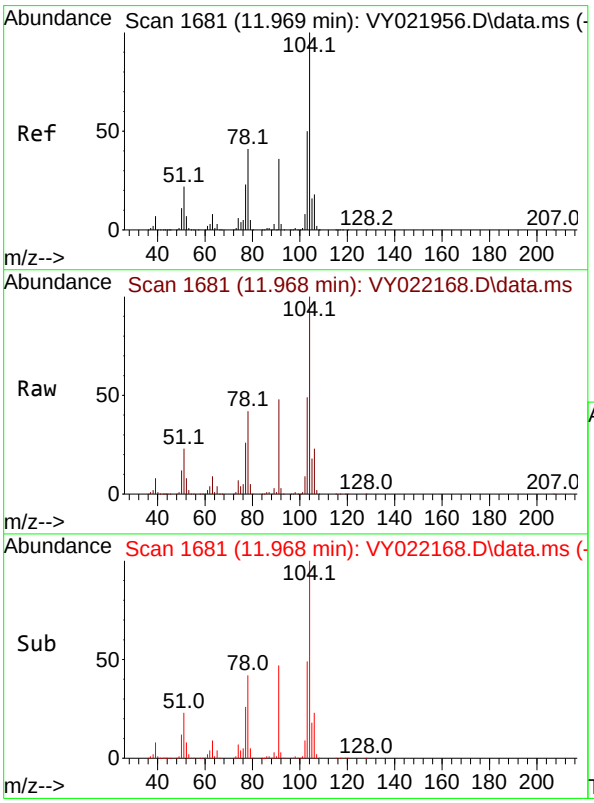
Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.0	308.9

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

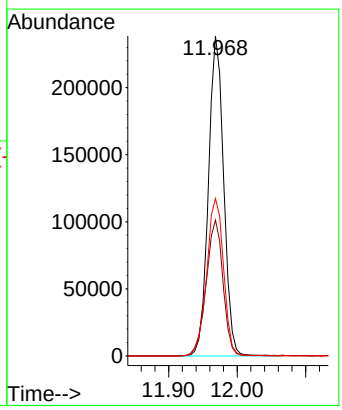


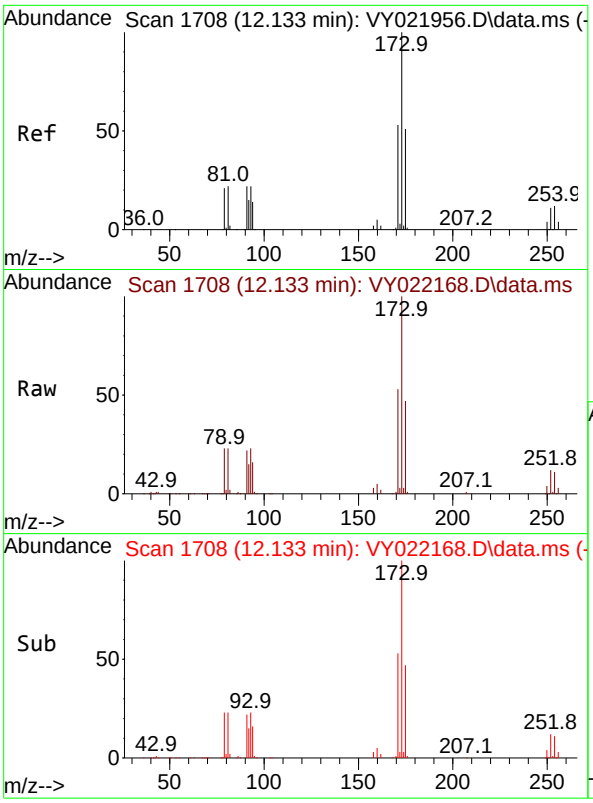


#70
Styrene
Concen: 50.838 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:104 Resp: 370652

Ion	Ratio	Lower	Upper
104	100		
78	46.7	36.6	54.8
103	54.2	43.8	65.8

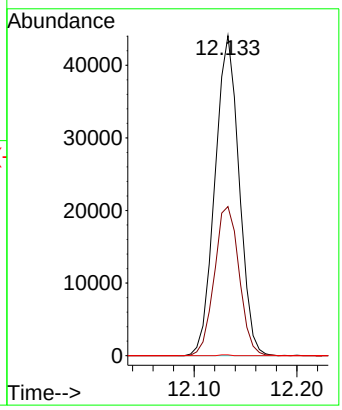




#71
Bromoform
Concen: 48.443 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:173 Resp: 7176

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.1	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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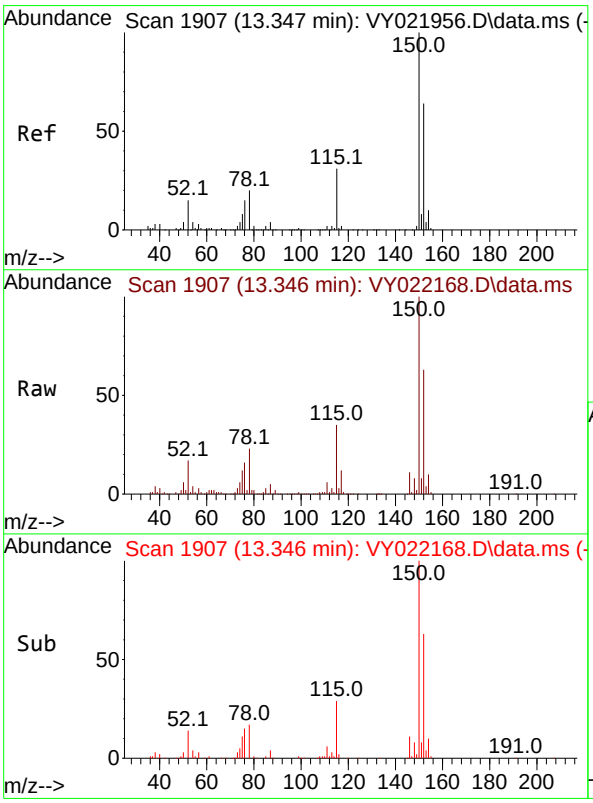
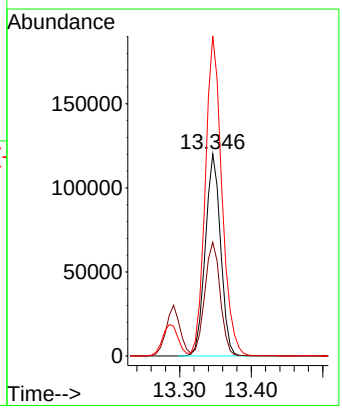
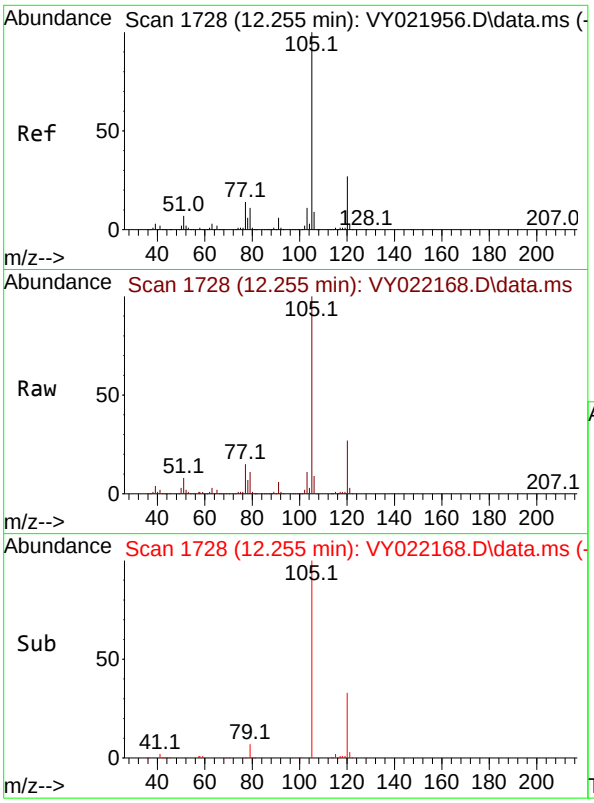


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:152 Resp: 178080

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	172.4	0.0	345.6

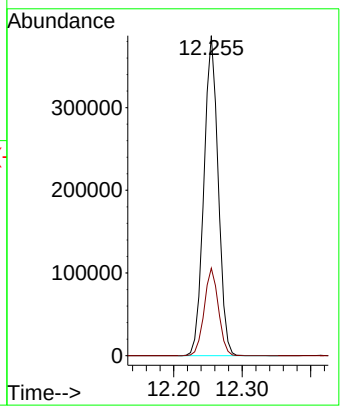




#73
Isopropylbenzene
Concen: 47.251 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:105 Resp: 56217

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5



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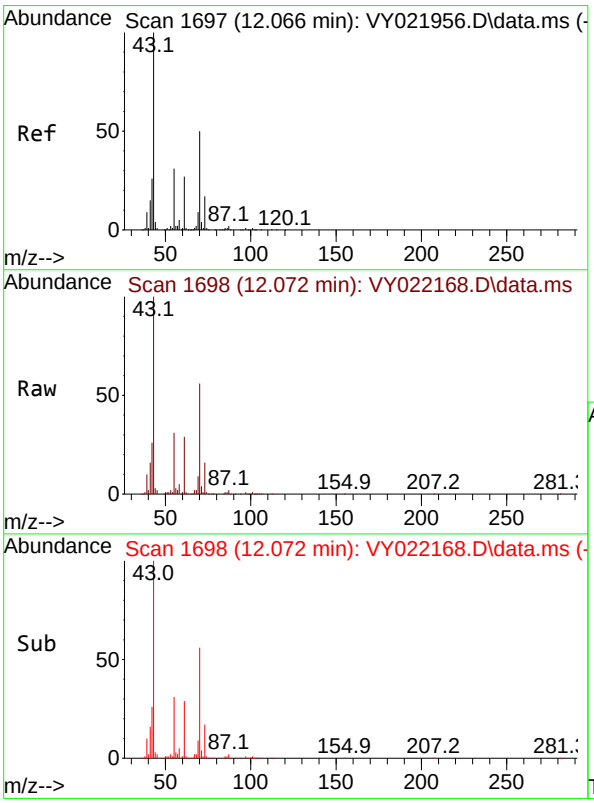
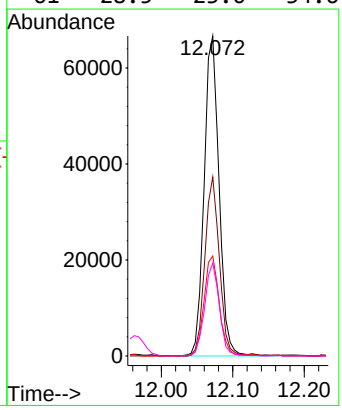
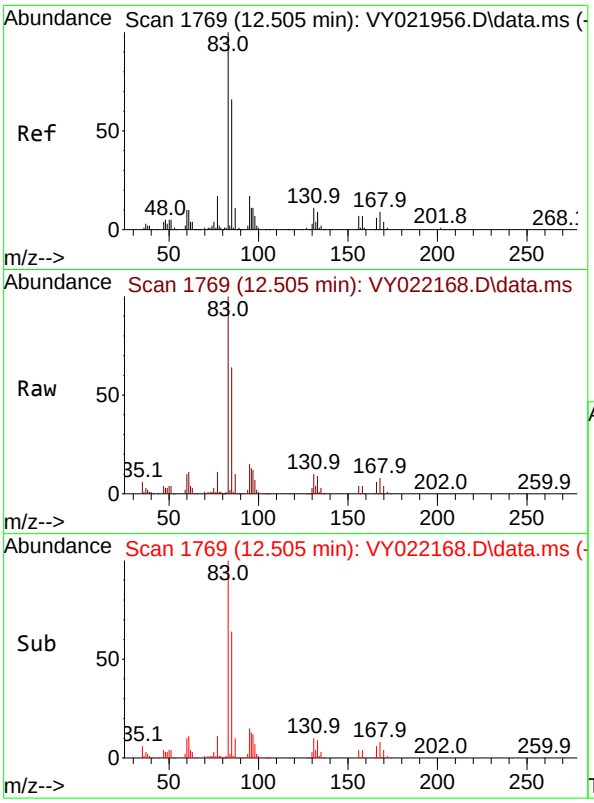


#74
N-amyl acetate
Concen: 47.439 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 96972

Ion	Ratio	Lower	Upper
43	100		
70	54.1	43.2	64.8
55	31.7	25.7	38.5
61	28.5	23.0	34.6

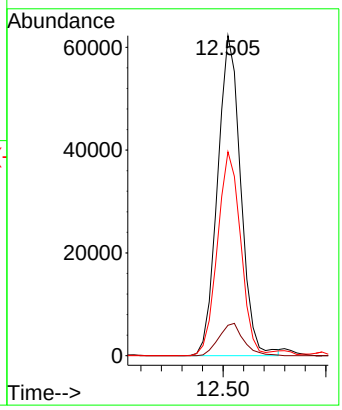




#75
1,1,2,2-Tetrachloroethane
Concen: 48.471 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 83 Resp: 9722

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	63.9	32.3	96.8



Instrument :
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ClientSampleId :
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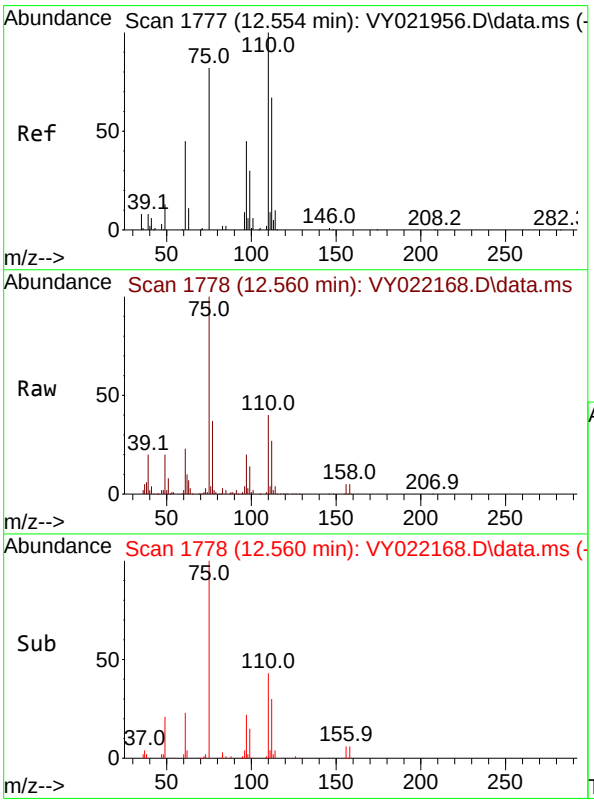
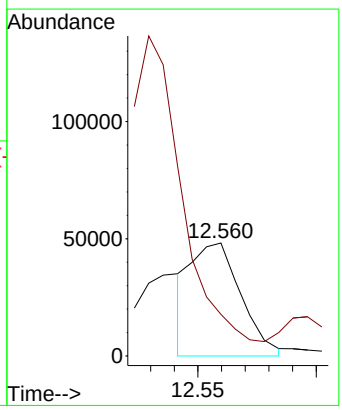
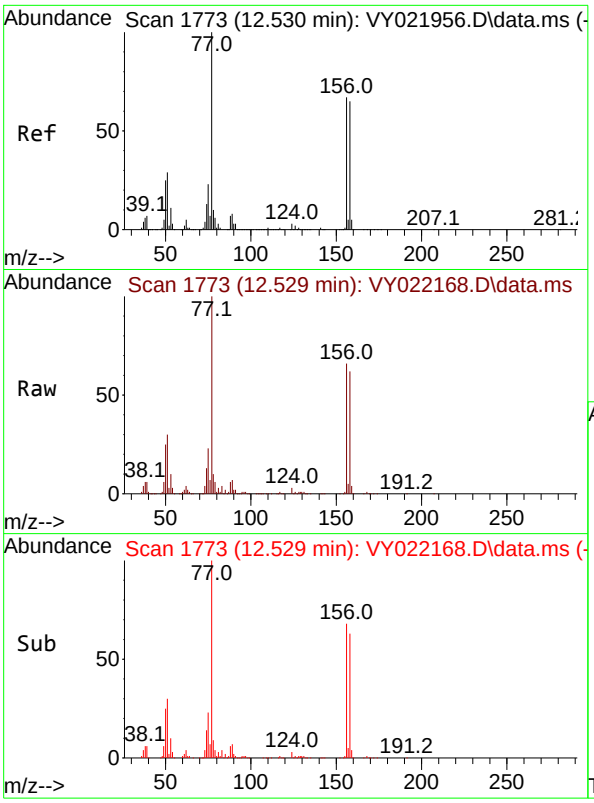


#76
1,2,3-Trichloropropane
Concen: 46.523 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 70964

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

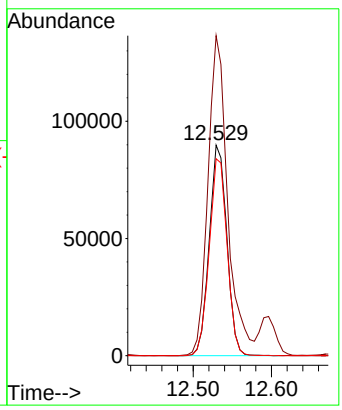




#77
Bromobenzene
Concen: 46.522 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:156 Resp: 13986

Ion	Ratio	Lower	Upper
156	100		
77	170.1	82.7	248.1
158	95.2	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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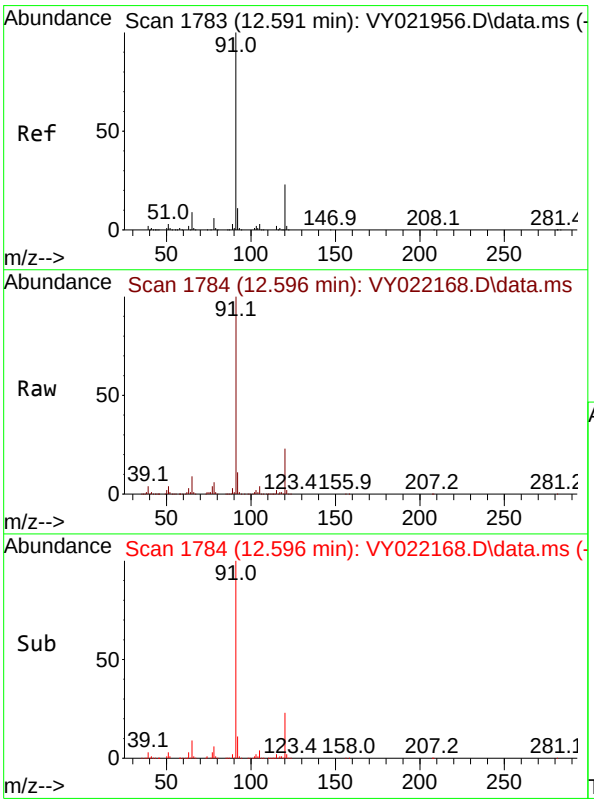
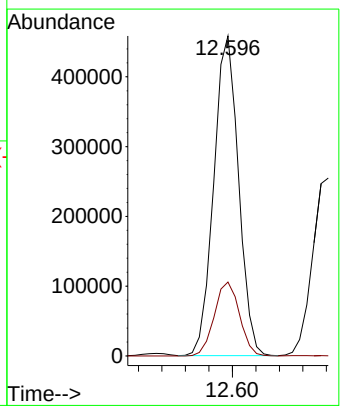
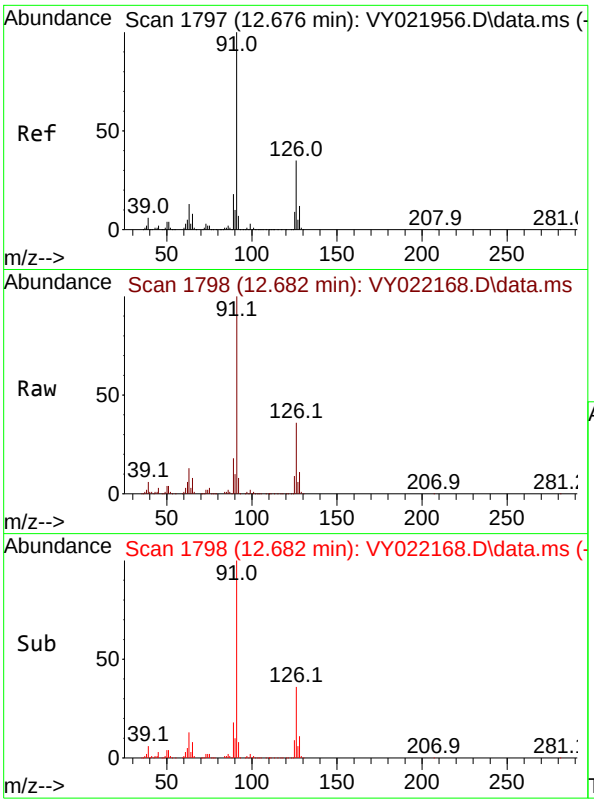


#78
n-propylbenzene
Concen: 47.320 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 91 Resp: 670469

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5

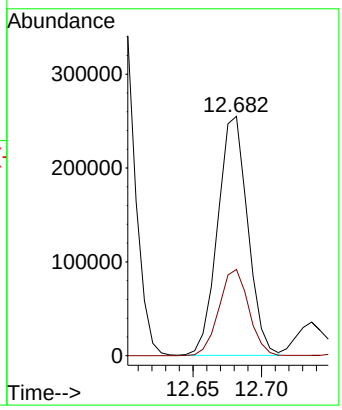




#79
2-Chlorotoluene
Concen: 47.124 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 91 Resp: 38830

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
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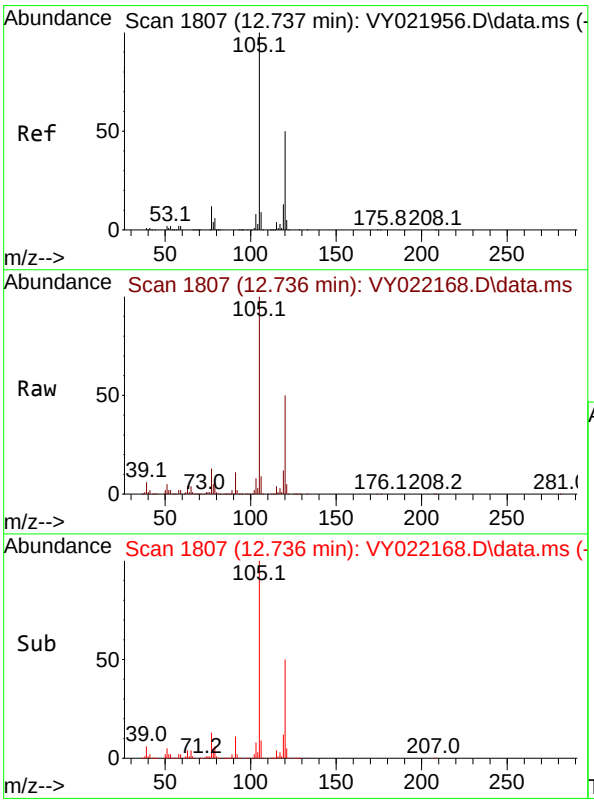
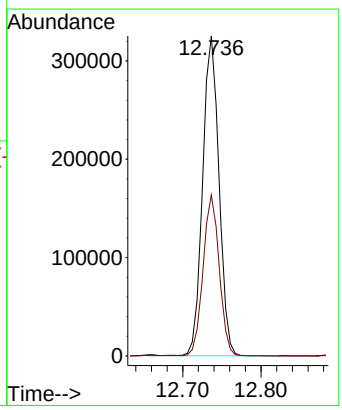
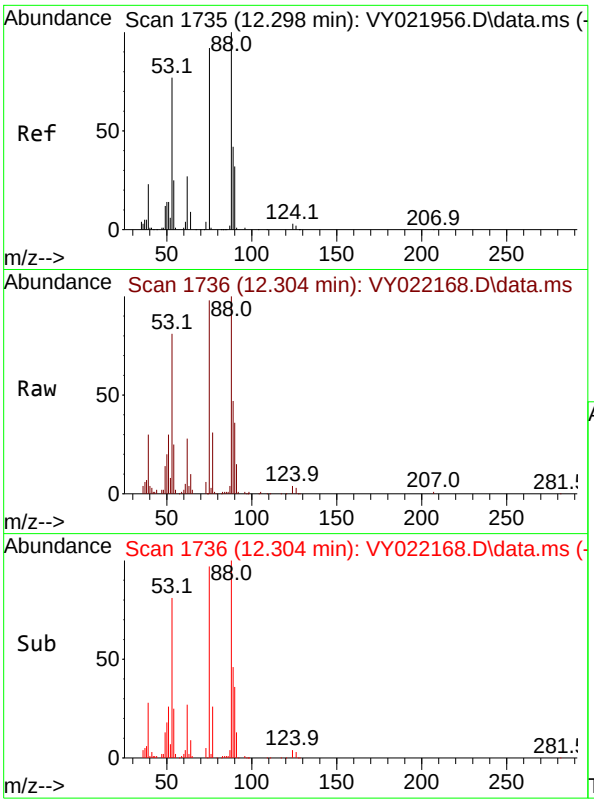


#80
1,3,5-Trimethylbenzene
Concen: 47.991 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:105 Resp: 470455

Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 45.975 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 2912

Ion	Ratio	Lower	Upper
75	100		
53	83.1	66.0	99.0
89	49.7	37.2	55.8

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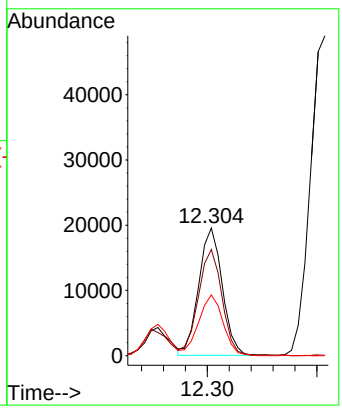
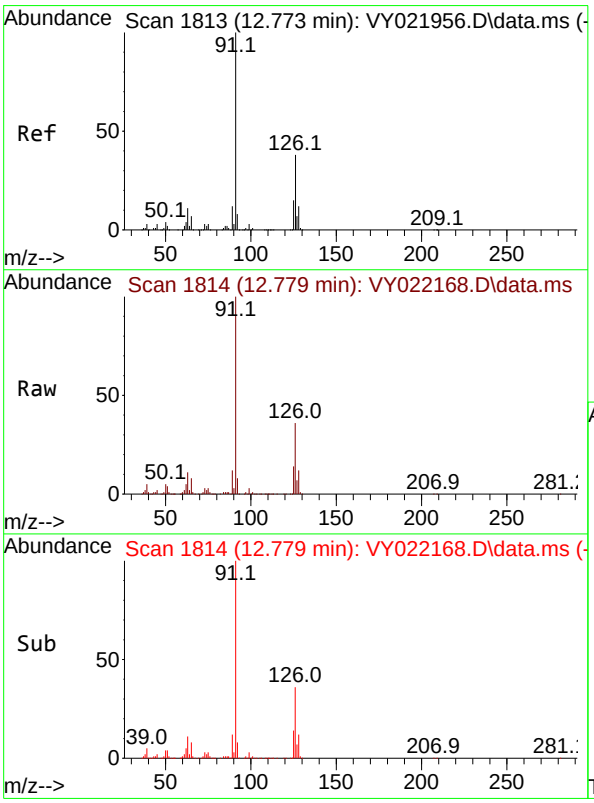
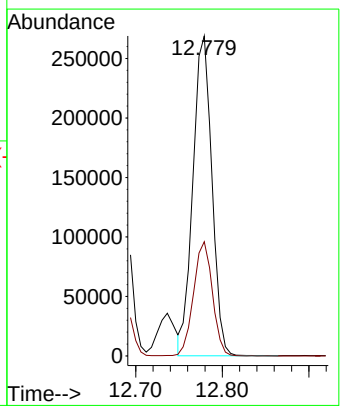


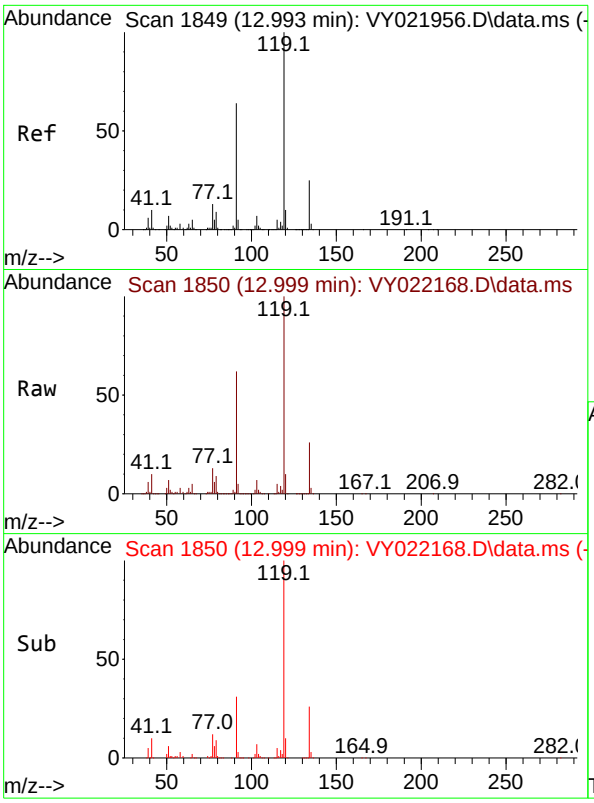


#82
4-Chlorotoluene
Concen: 47.817 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 91 Resp: 409587

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.8

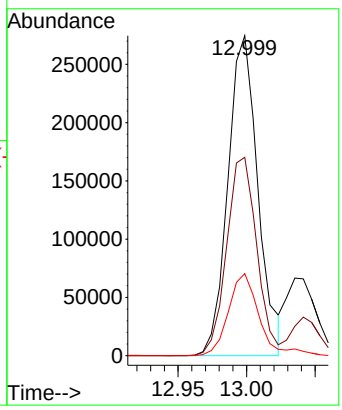




#83
tert-Butylbenzene
Concen: 47.656 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:119 Resp: 41898

Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.3	90.9
134	26.4	12.9	38.7



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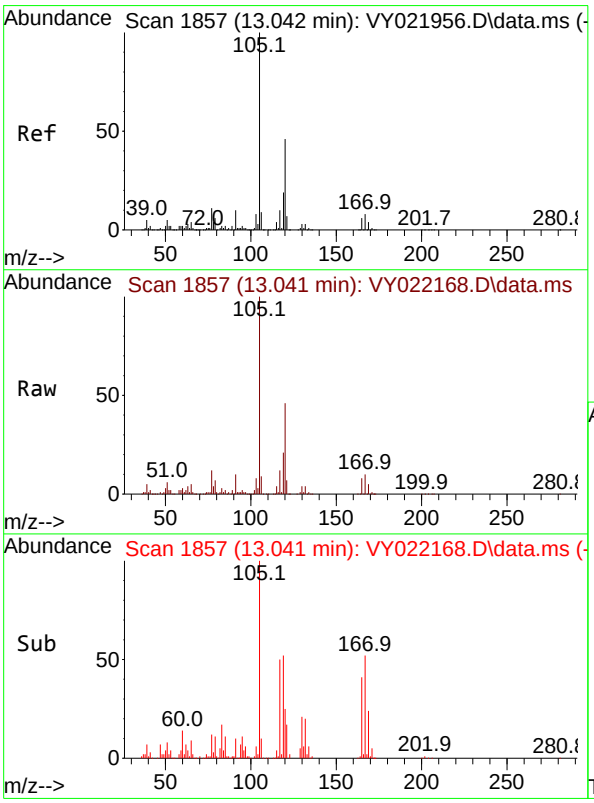
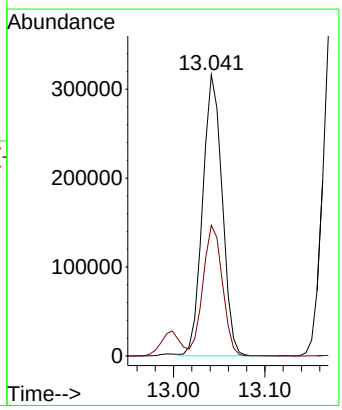
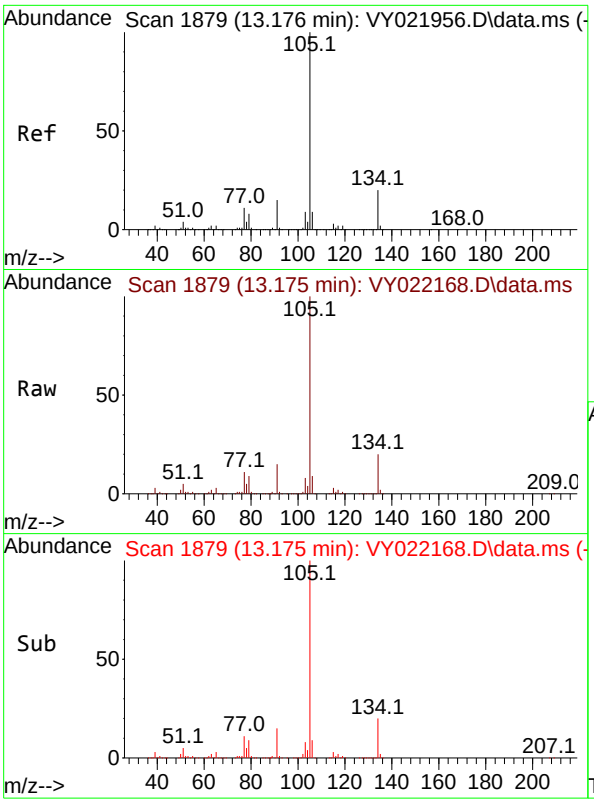


#84
1,2,4-Trimethylbenzene
Concen: 47.823 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:105 Resp: 468919

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.4	70.0





#85
sec-Butylbenzene
Concen: 47.812 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:105 Resp: 61511

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.9

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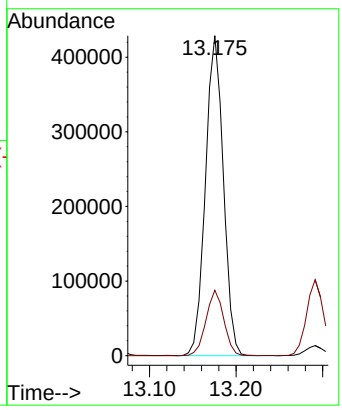
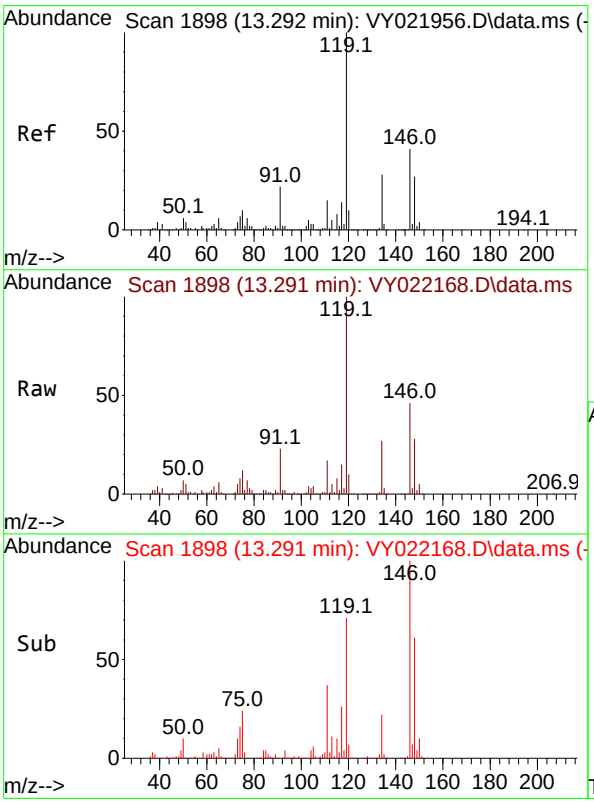
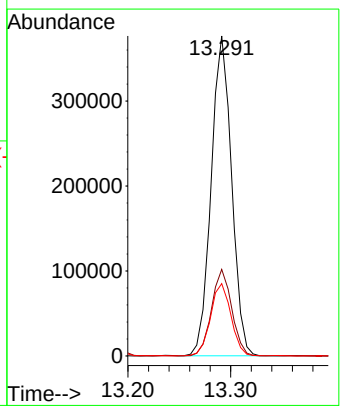


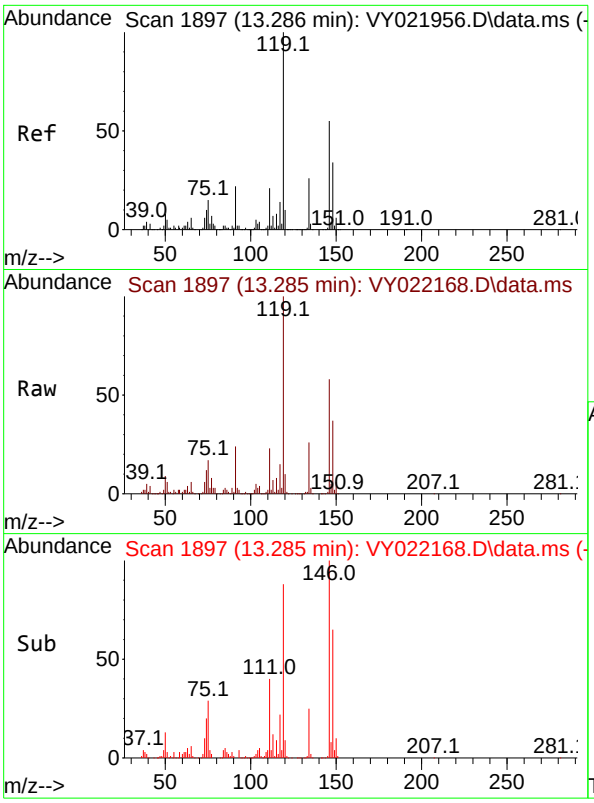


#86
p-Isopropyltoluene
Concen: 47.462 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:119 Resp: 518498

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	22.6	11.0	33.0

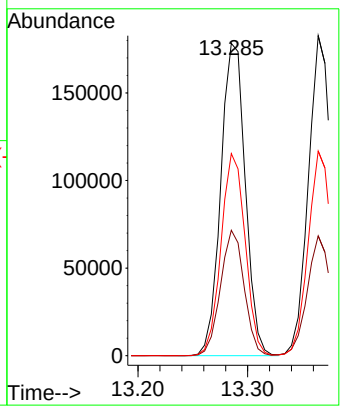




#87
1,3-Dichlorobenzene
Concen: 45.473 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:146 Resp: 27765

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.6	32.0	96.2



Instrument :
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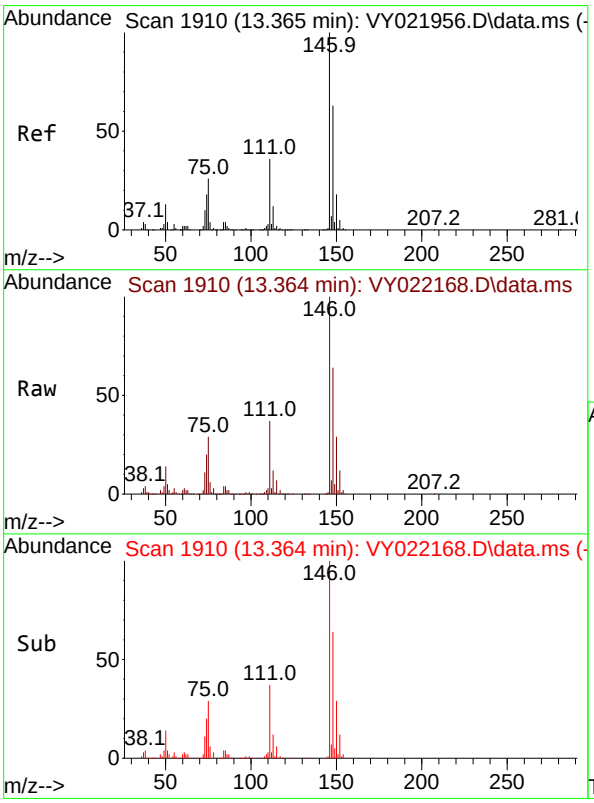
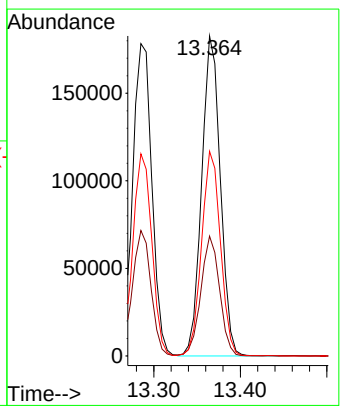
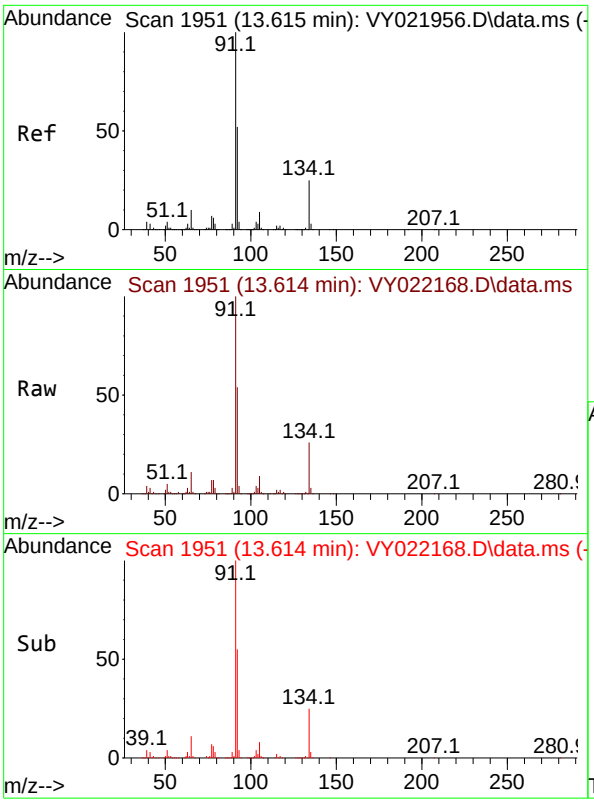


#88
1,4-Dichlorobenzene
Concen: 45.233 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:146 Resp: 273541

Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.2	57.6
148	64.7	32.0	96.0

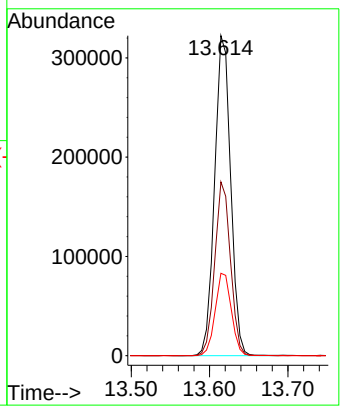




#89
n-Butylbenzene
Concen: 47.103 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 91 Resp: 45994

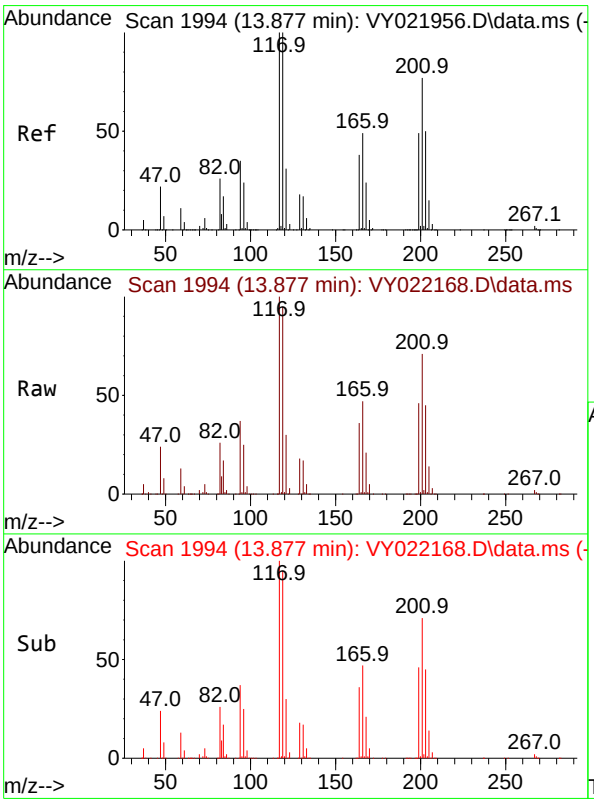
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	26.0	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

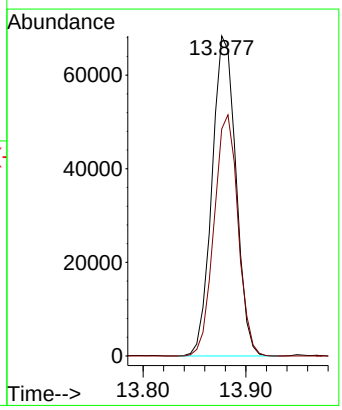
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

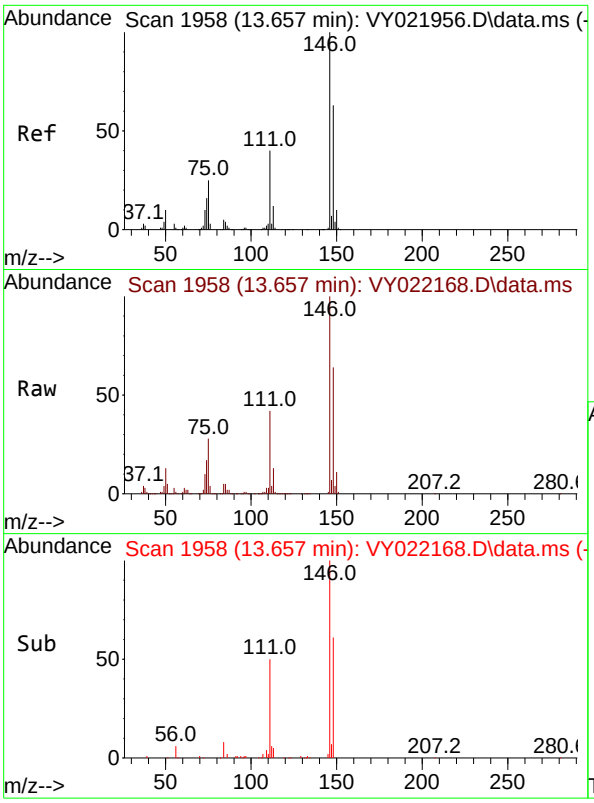


#90
Hexachloroethane
Concen: 46.068 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:117 Resp: 110572

Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.7	116.1

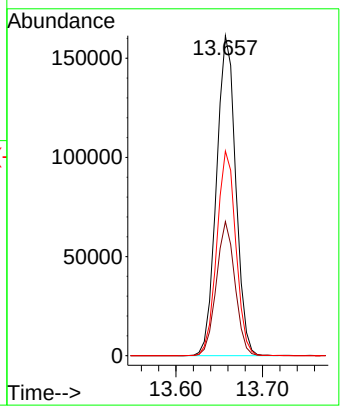




#91
1,2-Dichlorobenzene
Concen: 46.803 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:146 Resp: 24925

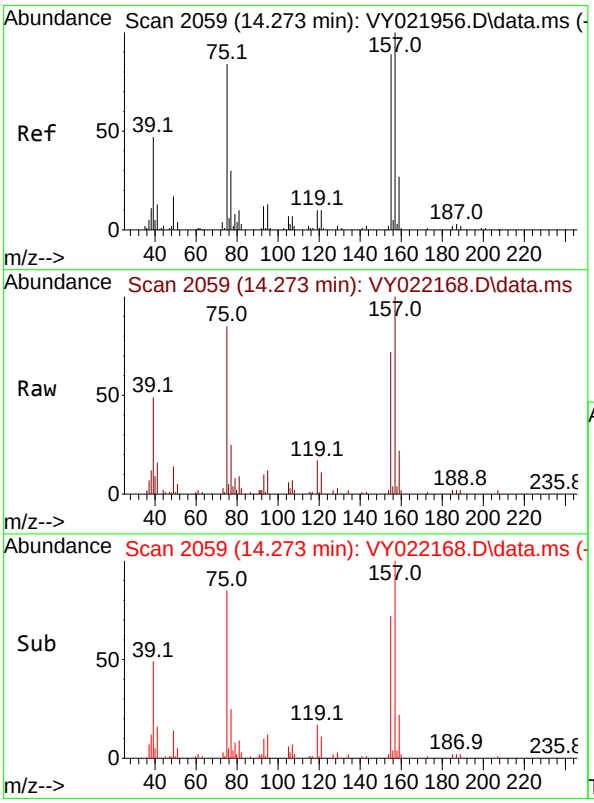
Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.7	59.1
148	63.3	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

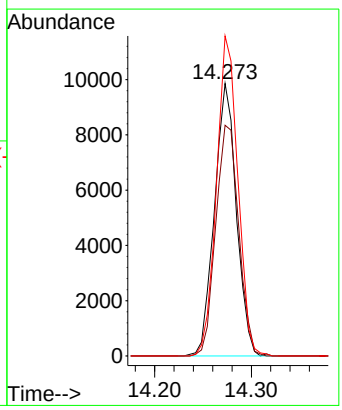
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

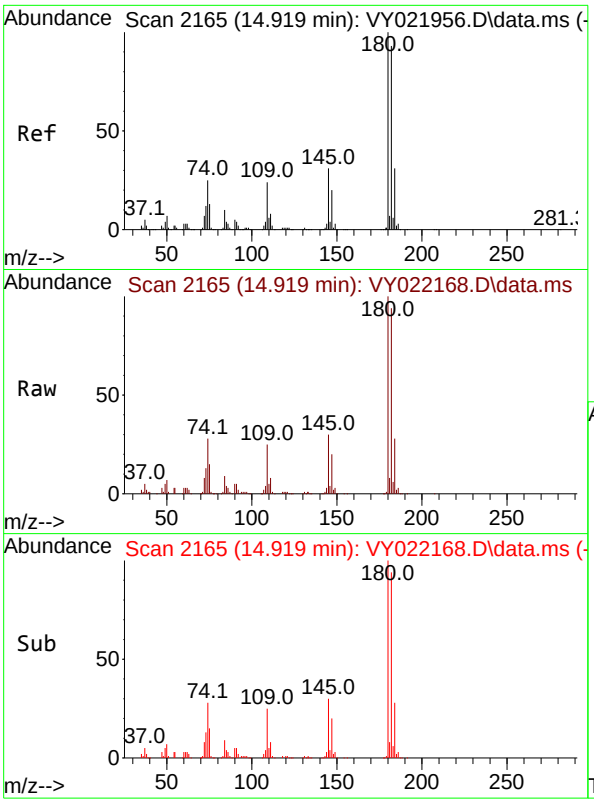


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.506 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 15480

Ion	Ratio	Lower	Upper
75	100		
155	88.7	50.7	152.3
157	114.2	62.6	187.8





#93
1,2,4-Trichlorobenzene
Concen: 44.918 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

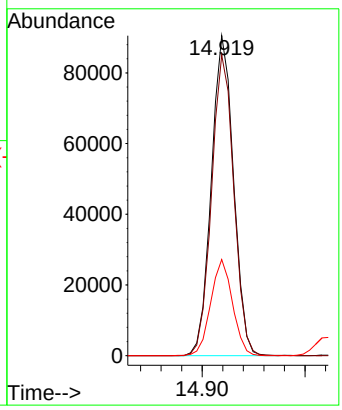
Tgt Ion:180 Resp: 13555

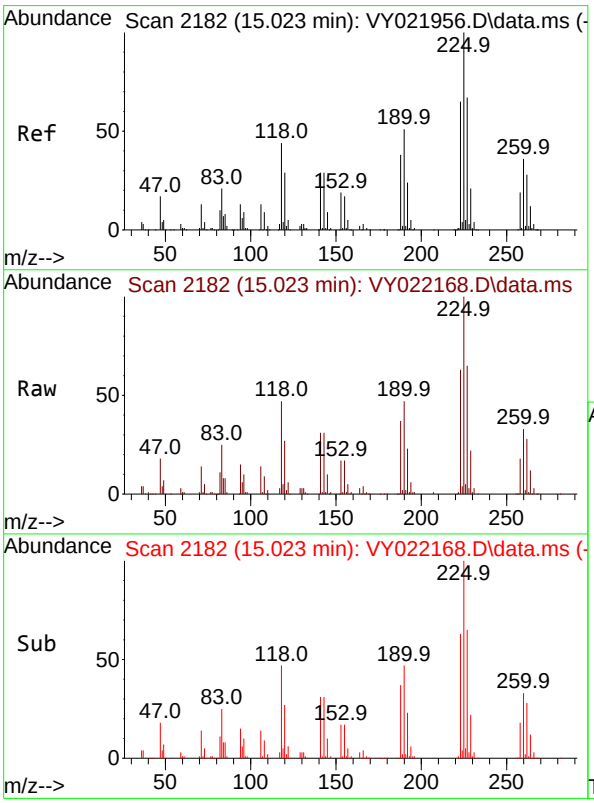
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.4
145	29.5	15.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

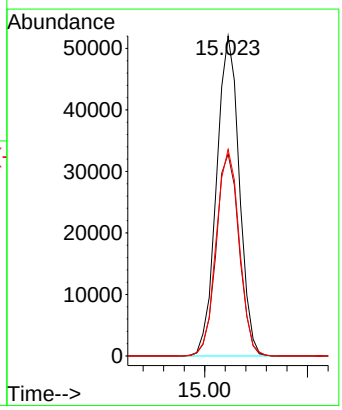


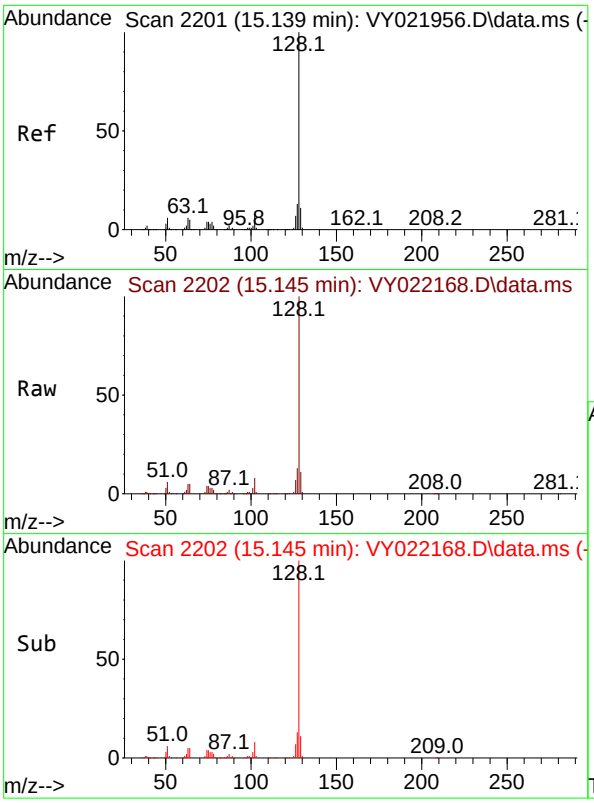


#94
Hexachlorobutadiene
Concen: 42.942 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:225 Resp: 79735

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	65.6	32.3	96.9

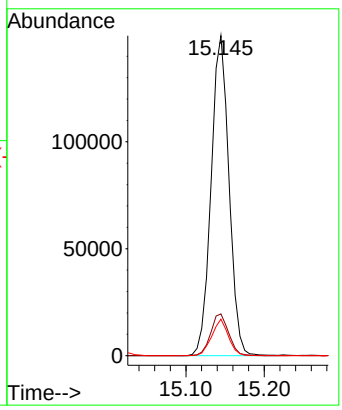




#95
Naphthalene
Concen: 47.354 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:128 Resp: 23739

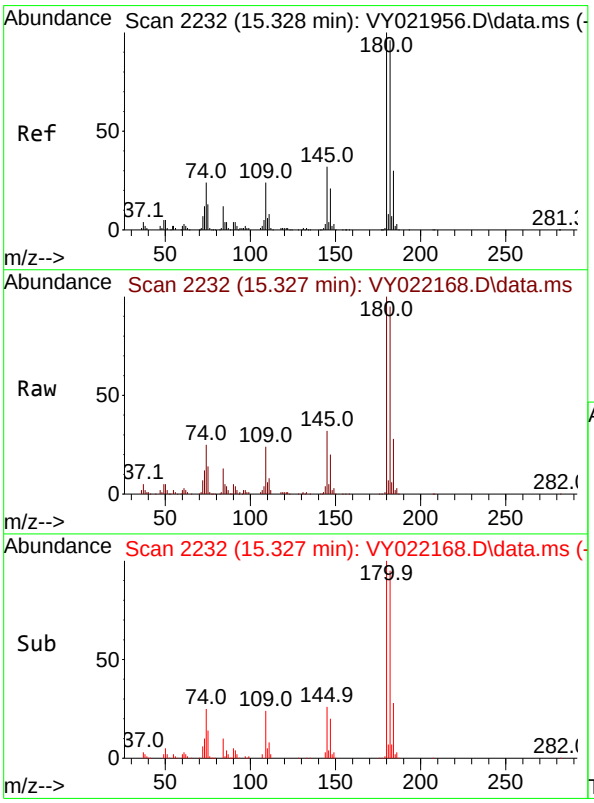
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.6	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

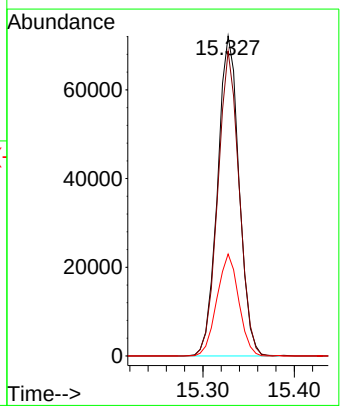
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 45.321 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:180 Resp: 118065

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.4
145	32.2	16.0	48.0



Evaluate Continuing Calibration Report

Sample Results: **VY022168.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	68	0.00
2	T	Dichlorodifluoromethane	0.426	0.344	19.2	59	0.00
3	P	Chloromethane	0.607	0.591	2.6	66	0.00
4	C	Vinyl Chloride	0.745	0.732	1.7#	68	0.00
5	T	Bromomethane	0.642	0.583	9.2	66	0.00
6	T	Chloroethane	0.508	0.498	2.0	68	0.00
7	T	Trichlorofluoromethane	0.983	0.878	10.7	62	0.00
8	T	Diethyl Ether	0.256	0.240	6.3	66	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.533	0.479	10.1	66	0.00
10	T	Methyl Iodide	0.617	0.586	5.0	63	0.00
11	T	Tert butyl alcohol	0.025	0.025	0.0	65	-0.01
12	CM	1,1-Dichloroethene	0.497	0.448	9.9#	64	0.00
13	T	Acrolein	0.046	0.017	63.0#	27#	0.00
14	T	Allyl chloride	0.579	0.565	2.4	69	0.00
15	T	Acrylonitrile	0.094	0.094	0.0	68	0.00
16	T	Acetone	0.070	0.064	8.6	68	0.00
17	T	Carbon Disulfide	1.585	1.387	12.5	63	0.00
18	T	Methyl Acetate	0.216	0.322	-49.1#	98	0.00
19	T	Methyl tert-butyl Ether	1.113	1.107	0.5	66	0.00
20	T	Methylene Chloride	0.584	0.541	7.4	69	0.00
21	T	trans-1,2-Dichloroethene	0.557	0.521	6.5	66	0.00
22	T	Diisopropyl ether	1.288	1.357	-5.4	71	0.00
23	T	Vinyl Acetate	0.694	0.680	2.0	64	0.00
24	P	1,1-Dichloroethane	0.893	0.879	1.6	70	0.00
25	T	2-Butanone	0.105	0.108	-2.9	69	0.00
26	T	2,2-Dichloropropane	0.782	0.722	7.7	66	0.00
27	T	cis-1,2-Dichloroethene	0.622	0.604	2.9	67	0.00
28	T	Bromochloromethane	0.347	0.371	-6.9	73	0.00
29	T	Tetrahydrofuran	0.068	0.074	-8.8	68	0.00
30	C	Chloroform	0.990	0.979	1.1#	69	0.00
31	T	Cyclohexane	0.763	0.716	6.2	68	0.00
32	T	1,1,1-Trichloroethane	0.896	0.847	5.5	67	0.00
33	S	1,2-Dichloroethane-d4	0.462	0.482	-4.3	70	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	68	0.00
35	S	Dibromofluoromethane	0.330	0.334	-1.2	69	0.00
36	T	1,1-Dichloropropene	0.444	0.423	4.7	68	0.00
37	T	Ethyl Acetate	0.159	0.155	2.5	66	0.00
38	T	Carbon Tetrachloride	0.530	0.497	6.2	67	0.00
39	T	Methylcyclohexane	0.558	0.523	6.3	65	0.00
40	TM	Benzene	1.387	1.348	2.8	69	0.00
41	T	Methacrylonitrile	0.087	0.077	11.5	57	0.00
42	TM	1,2-Dichloroethane	0.343	0.346	-0.9	70	0.00
43	T	Isopropyl Acetate	0.306	0.319	-4.2	70	0.00
44	TM	Trichloroethene	0.384	0.351	8.6	65	0.00
45	C	1,2-Dichloropropane	0.307	0.310	-1.0#	71	0.00
46	T	Dibromomethane	0.192	0.191	0.5	70	0.00
47	T	Bromodichloromethane	0.480	0.470	2.1	68	0.00
48	T	Methyl methacrylate	0.141	0.149	-5.7	68	0.00

Sample Results: **VY022168.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	68	-0.01
50	S	Toluene-d8	1.245	1.291	-3.7	69	0.00
51	T	4-Methyl-2-Pentanone	0.160	0.178	-11.2	71	0.00
52	CM	Toluene	0.898	0.901	-0.3#	69	0.00
53	T	t-1,3-Dichloropropene	0.411	0.406	1.2	67	0.00
54	T	cis-1,3-Dichloropropene	0.489	0.481	1.6	68	0.00
55	T	1,1,2-Trichloroethane	0.256	0.257	-0.4	69	0.00
56	T	Ethyl methacrylate	0.293	0.300	-2.4	65	0.00
57	T	1,3-Dichloropropane	0.411	0.421	-2.4	71	0.00
58	T	2-Chloroethyl Vinyl ether	0.143	0.163	-14.0	69	0.00
59	T	2-Hexanone	0.106	0.117	-10.4	70	0.00
60	T	Dibromochloromethane	0.355	0.355	0.0	69	0.00
61	T	1,2-Dibromoethane	0.242	0.246	-1.7	70	0.00
62	S	4-Bromofluorobenzene	0.419	0.447	-6.7	72	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.00
64	T	Tetrachloroethene	0.472	0.410	13.1	64	0.00
65	PM	Chlorobenzene	1.118	1.051	6.0	69	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.374	5.1	68	0.00
67	C	Ethyl Benzene	1.829	1.809	1.1#	70	0.00
68	T	m/p-Xylenes	0.728	0.714	1.9	69	0.00
69	T	o-Xylene	0.671	0.658	1.9	67	0.00
70	T	Styrene	1.126	1.145	-1.7	69	0.00
71	P	Bromoform	0.229	0.222	3.1	68	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	72	0.00
73	T	Isopropylbenzene	3.341	3.157	5.5	69	0.00
74	T	N-amyl acetate	0.574	0.545	5.1	67	0.00
75	P	1,1,2,2-Tetrachloroethane	0.563	0.546	3.0	72	0.00
76	T	1,2,3-Trichloropropane	0.428	0.398	7.0	71	0.00
77	T	Bromobenzene	0.844	0.785	7.0	69	0.00
78	T	n-propylbenzene	3.978	3.765	5.4	69	0.00
79	T	2-Chlorotoluene	2.314	2.181	5.7	69	0.00
80	T	1,3,5-Trimethylbenzene	2.752	2.642	4.0	68	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.164	7.9	67	0.00
82	T	4-Chlorotoluene	2.405	2.300	4.4	70	0.00
83	T	tert-Butylbenzene	2.468	2.353	4.7	68	0.00
84	T	1,2,4-Trimethylbenzene	2.753	2.633	4.4	68	0.00
85	T	sec-Butylbenzene	3.612	3.454	4.4	69	0.00
86	T	p-Isopropyltoluene	3.067	2.912	5.1	68	0.00
87	T	1,3-Dichlorobenzene	1.714	1.559	9.0	69	0.00
88	T	1,4-Dichlorobenzene	1.698	1.536	9.5	69	0.00
89	T	n-Butylbenzene	2.742	2.583	5.8	68	0.00
90	T	Hexachloroethane	0.674	0.621	7.9	70	0.00
91	T	1,2-Dichlorobenzene	1.495	1.400	6.4	70	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.090	0.087	3.3	75	0.00
93	T	1,2,4-Trichlorobenzene	0.847	0.761	10.2	67	0.00
94	T	Hexachlorobutadiene	0.521	0.448	14.0	68	0.00
95	T	Naphthalene	1.408	1.333	5.3	67	0.00

Sample Results: **VY022168.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.663	9.3	68	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VY022168.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	68	0.00
2	T	Dichlorodifluoromethane	50.000	40.317	19.4	59	0.00
3	P	Chloromethane	50.000	48.722	2.6	66	0.00
4	C	Vinyl Chloride	50.000	49.098	1.8#	68	0.00
5	T	Bromomethane	50.000	45.368	9.3	66	0.00
6	T	Chloroethane	50.000	49.026	1.9	68	0.00
7	T	Trichlorofluoromethane	50.000	44.680	10.6	62	0.00
8	T	Diethyl Ether	50.000	46.944	6.1	66	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.914	10.2	66	0.00
10	T	Methyl Iodide	50.000	47.435	5.1	63	0.00
11	T	Tert butyl alcohol	250.000	246.381	1.4	65	-0.01
12	CM	1,1-Dichloroethene	50.000	45.079	9.8#	64	0.00
13	T	Acrolein	250.000	91.553	63.4#	27	0.00
14	T	Allyl chloride	50.000	48.841	2.3	69	0.00
15	T	Acrylonitrile	250.000	251.398	-0.6	68	0.00
16	T	Acetone	250.000	263.906	-5.6	68	0.00
17	T	Carbon Disulfide	50.000	43.763	12.5	63	0.00
18	T	Methyl Acetate	50.000	74.739	-49.5#	98	0.00
19	T	Methyl tert-butyl Ether	50.000	49.762	0.5	66	0.00
20	T	Methylene Chloride	50.000	46.330	7.3	69	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.764	6.5	66	0.00
22	T	Diisopropyl ether	50.000	52.695	-5.4	71	0.00
23	T	Vinyl Acetate	250.000	244.875	2.1	64	0.00
24	P	1,1-Dichloroethane	50.000	49.254	1.5	70	0.00
25	T	2-Butanone	250.000	257.410	-3.0	69	0.00
26	T	2,2-Dichloropropane	50.000	46.105	7.8	66	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.527	2.9	67	0.00
28	T	Bromochloromethane	50.000	53.541	-7.1	73	0.00
29	T	Tetrahydrofuran	250.000	270.536	-8.2	68	0.00
30	C	Chloroform	50.000	49.454	1.1#	69	0.00
31	T	Cyclohexane	50.000	46.892	6.2	68	0.00
32	T	1,1,1-Trichloroethane	50.000	47.267	5.5	67	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.175	-4.3	70	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	68	0.00
35	S	Dibromofluoromethane	50.000	50.537	-1.1	69	0.00
36	T	1,1-Dichloropropene	50.000	47.648	4.7	68	0.00
37	T	Ethyl Acetate	50.000	48.577	2.8	66	0.00
38	T	Carbon Tetrachloride	50.000	46.910	6.2	67	0.00
39	T	Methylcyclohexane	50.000	46.849	6.3	65	0.00
40	TM	Benzene	50.000	48.586	2.8	69	0.00
41	T	Methacrylonitrile	50.000	44.211	11.6	57	0.00
42	TM	1,2-Dichloroethane	50.000	50.320	-0.6	70	0.00
43	T	Isopropyl Acetate	50.000	52.086	-4.2	70	0.00
44	TM	Trichloroethene	50.000	45.632	8.7	65	0.00
45	C	1,2-Dichloropropane	50.000	50.574	-1.1#	71	0.00
46	T	Dibromomethane	50.000	49.725	0.5	70	0.00
47	T	Bromodichloromethane	50.000	48.998	2.0	68	0.00
48	T	Methyl methacrylate	50.000	52.655	-5.3	68	0.00

Sample Results: **VY022168.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	979.999	2.0	68	-0.01
50	S	Toluene-d8	50.000	51.841	-3.7	69	0.00
51	T	4-Methyl-2-Pentanone	250.000	277.484	-11.0	71	0.00
52	CM	Toluene	50.000	50.183	-0.4#	69	0.00
53	T	t-1,3-Dichloropropene	50.000	49.348	1.3	67	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.139	1.7	68	0.00
55	T	1,1,2-Trichloroethane	50.000	50.153	-0.3	69	0.00
56	T	Ethyl methacrylate	50.000	51.135	-2.3	65	0.00
57	T	1,3-Dichloropropane	50.000	51.247	-2.5	71	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	283.528	-13.4	69	0.00
59	T	2-Hexanone	250.000	277.284	-10.9	70	0.00
60	T	Dibromochloromethane	50.000	50.002	-0.0	69	0.00
61	T	1,2-Dibromoethane	50.000	50.718	-1.4	70	0.00
62	S	4-Bromofluorobenzene	50.000	53.325	-6.7	72	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	71	0.00
64	T	Tetrachloroethene	50.000	43.441	13.1	64	0.00
65	PM	Chlorobenzene	50.000	47.013	6.0	69	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.490	5.0	68	0.00
67	C	Ethyl Benzene	50.000	49.439	1.1#	70	0.00
68	T	m/p-Xylenes	100.000	98.163	1.8	69	0.00
69	T	o-Xylene	50.000	49.049	1.9	67	0.00
70	T	Styrene	50.000	50.838	-1.7	69	0.00
71	P	Bromoform	50.000	48.443	3.1	68	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	72	0.00
73	T	Isopropylbenzene	50.000	47.251	5.5	69	0.00
74	T	N-amyl acetate	50.000	47.439	5.1	67	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.471	3.1	72	0.00
76	T	1,2,3-Trichloropropane	50.000	46.523	7.0	71	0.00
77	T	Bromobenzene	50.000	46.522	7.0	69	0.00
78	T	n-propylbenzene	50.000	47.320	5.4	69	0.00
79	T	2-Chlorotoluene	50.000	47.124	5.8	69	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.991	4.0	68	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.975	8.0	67	0.00
82	T	4-Chlorotoluene	50.000	47.817	4.4	70	0.00
83	T	tert-Butylbenzene	50.000	47.656	4.7	68	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.823	4.4	68	0.00
85	T	sec-Butylbenzene	50.000	47.812	4.4	69	0.00
86	T	p-Isopropyltoluene	50.000	47.462	5.1	68	0.00
87	T	1,3-Dichlorobenzene	50.000	45.473	9.1	69	0.00
88	T	1,4-Dichlorobenzene	50.000	45.233	9.5	69	0.00
89	T	n-Butylbenzene	50.000	47.103	5.8	68	0.00
90	T	Hexachloroethane	50.000	46.068	7.9	70	0.00
91	T	1,2-Dichlorobenzene	50.000	46.803	6.4	70	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.506	3.0	75	0.00
93	T	1,2,4-Trichlorobenzene	50.000	44.918	10.2	67	0.00
94	T	Hexachlorobutadiene	50.000	42.942	14.1	68	0.00
95	T	Naphthalene	50.000	47.354	5.3	67	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	45.321	9.4	68	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

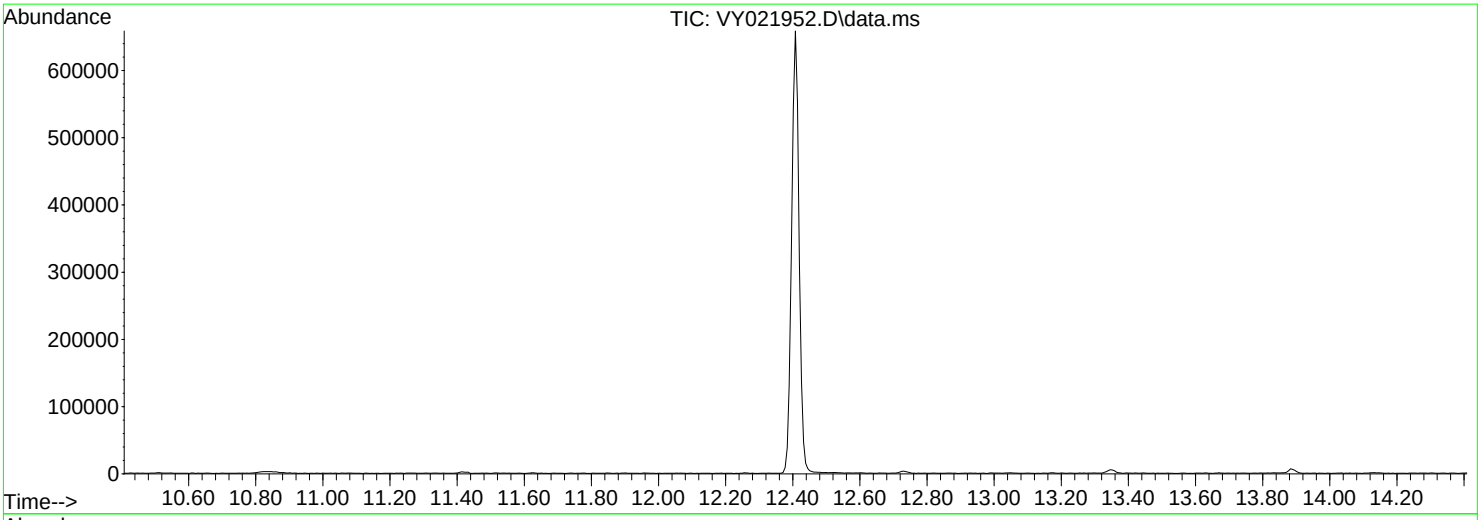
Sample Results: **VY021952.D**

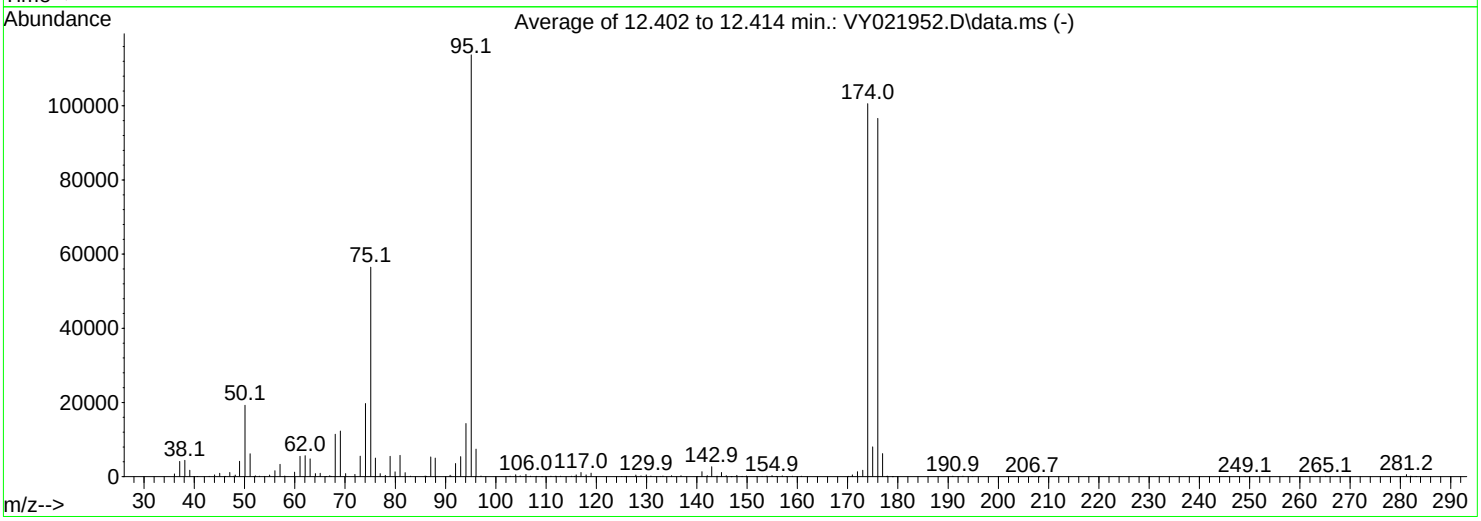
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025





AutoFind: Scans 1752, 1753, 1754; 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	16.9	19237	PASS
75	95	30	60	49.7	56504	PASS
95	95	100	100	100.0	113749	PASS
96	95	5	9	6.5	7410	PASS
173	174	0.00	2	1.7	1741	PASS
174	95	50	100	88.4	100587	PASS
175	174	5	9	8.0	8046	PASS
176	174	95	101	96.1	96621	PASS
177	176	5	9	6.4	6205	PASS

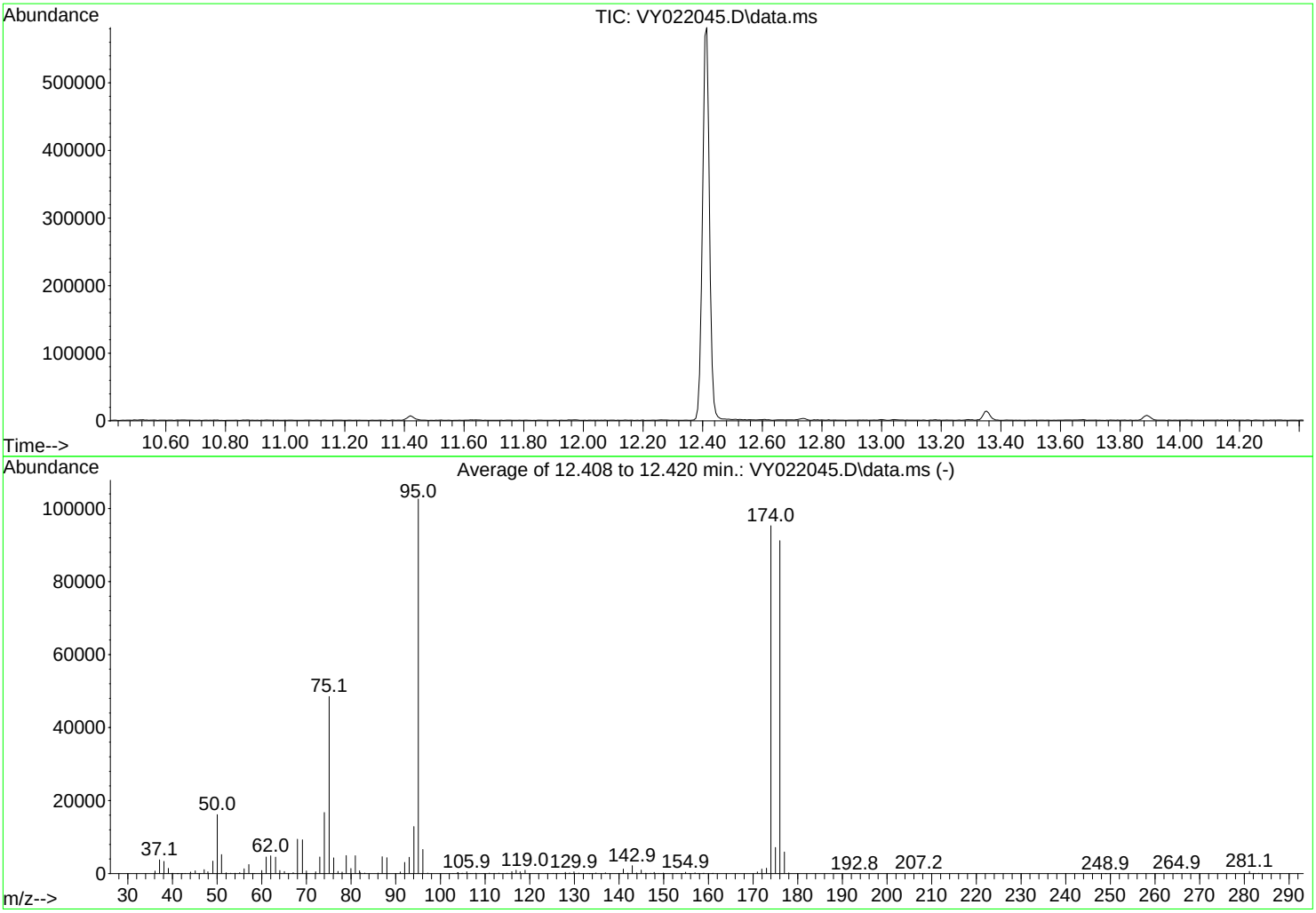
Sample Results: **VY022045.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022045.D
Acq On : 29 Apr 2025 08:20
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\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1753, 1754, 1755; 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	15.7	16154	PASS
75	95	30	60	47.3	48515	PASS
95	95	100	100	100.0	102613	PASS
96	95	5	9	6.4	6618	PASS
173	174	0.00	2	1.6	1496	PASS
174	95	50	100	92.9	95285	PASS
175	174	5	9	7.5	7170	PASS
176	174	95	101	95.7	91200	PASS
177	176	5	9	6.5	5928	PASS

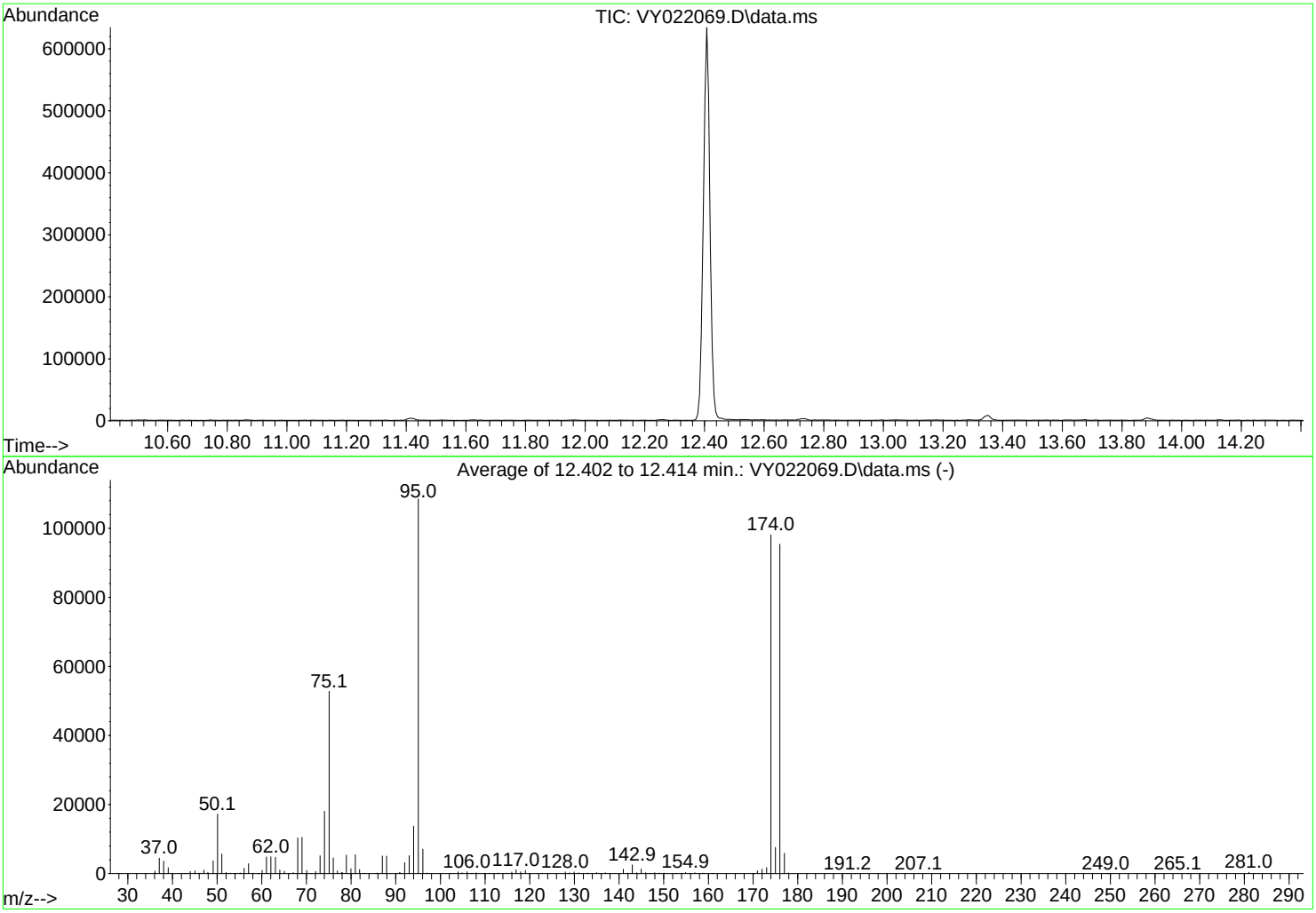
Sample Results: **VY022069.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022069.D
Acq On : 30 Apr 2025 08:50
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\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; 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	15.8	17188	PASS
75	95	30	60	48.7	52797	PASS
95	95	100	100	100.0	108504	PASS
96	95	5	9	6.5	7072	PASS
173	174	0.00	2	1.8	1783	PASS
174	95	50	100	90.5	98144	PASS
175	174	5	9	7.8	7624	PASS
176	174	95	101	97.2	95421	PASS
177	176	5	9	6.2	5905	PASS

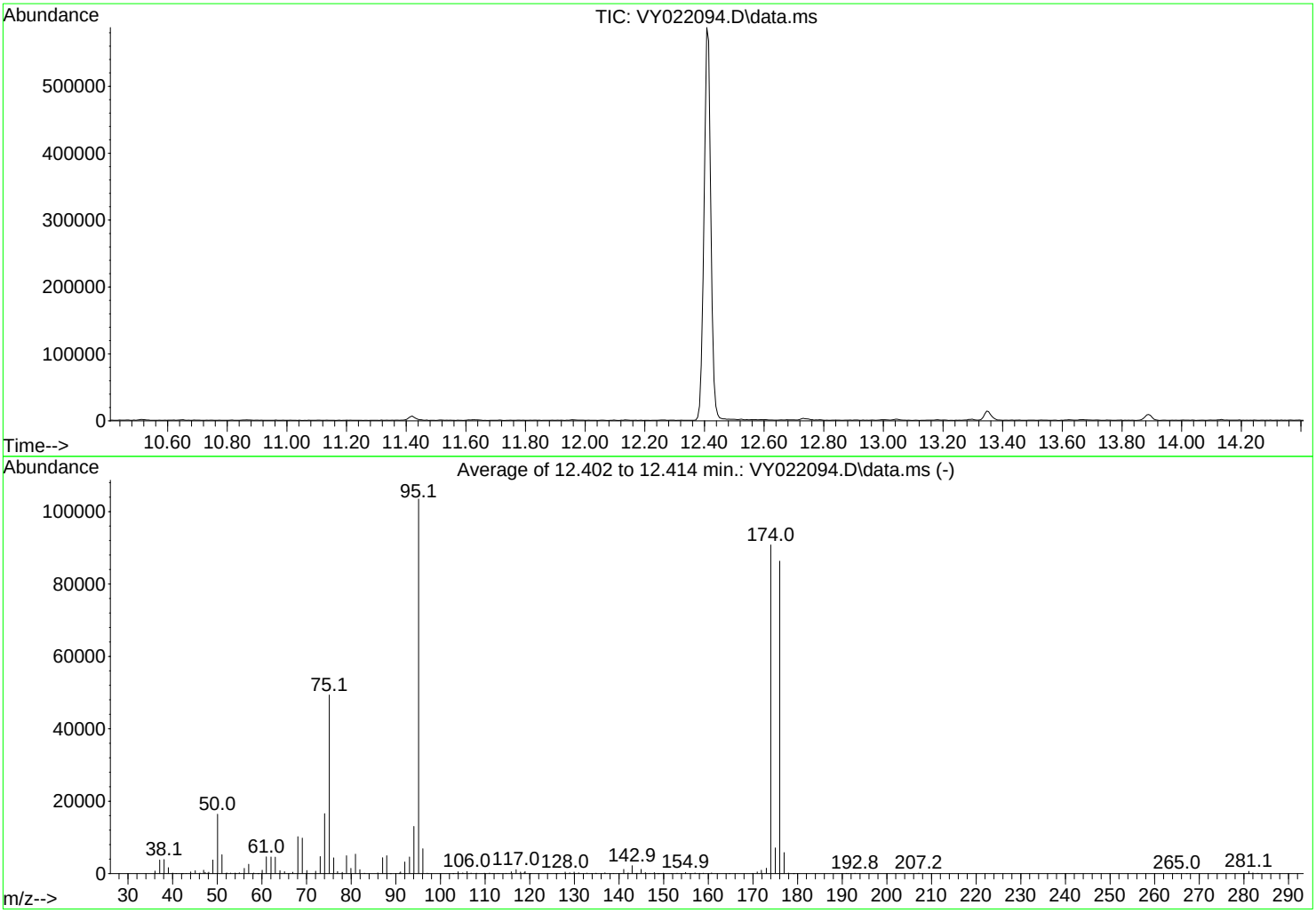
Sample Results: **VY022094.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022094.D
Acq On : 01 May 2025 08:20
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\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 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	15.8	16401	PASS
75	95	30	60	47.7	49328	PASS
95	95	100	100	100.0	103483	PASS
96	95	5	9	6.6	6869	PASS
173	174	0.00	2	1.7	1510	PASS
174	95	50	100	87.7	90792	PASS
175	174	5	9	7.8	7092	PASS
176	174	95	101	95.1	86309	PASS
177	176	5	9	6.8	5827	PASS

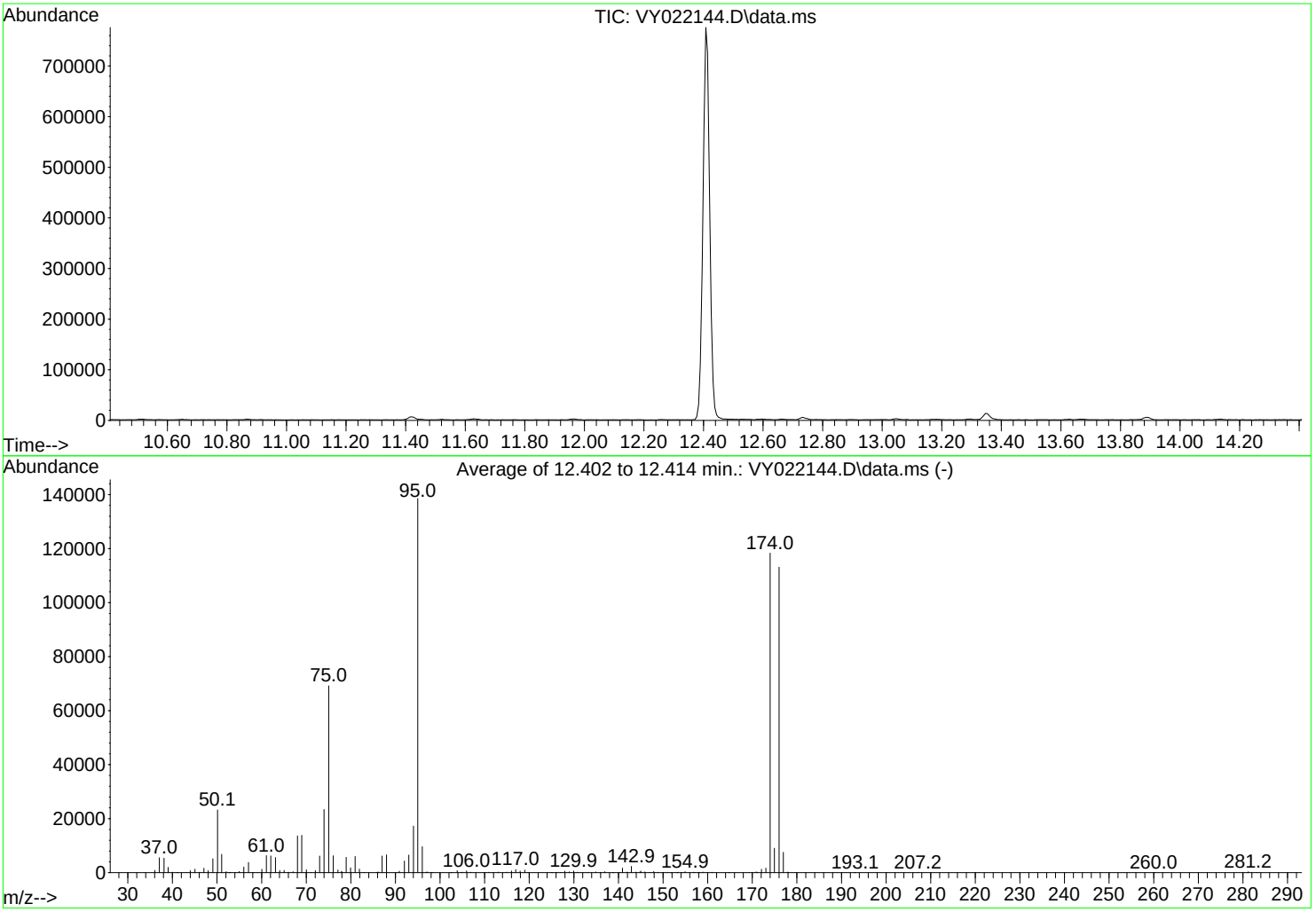
Sample Results: **VY022144.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022144.D
Acq On : 05 May 2025 08:15
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\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; 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	16.8	23243	PASS
75	95	30	60	49.9	69173	PASS
95	95	100	100	100.0	138573	PASS
96	95	5	9	7.0	9645	PASS
173	174	0.00	2	1.4	1687	PASS
174	95	50	100	85.4	118339	PASS
175	174	5	9	7.7	9061	PASS
176	174	95	101	95.6	113131	PASS
177	176	5	9	6.7	7536	PASS

Raw Data: **VY022047.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022047.D	1		04/29/25 10:00	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022047.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022047.D	1		04/29/25 10:00	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022047.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022047.D	1		04/29/25 10:00	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		71 - 136		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.6		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		79 - 119		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	323000	7.707				
540-36-3	1,4-Difluorobenzene	602000	8.616				
3114-55-4	Chlorobenzene-d5	530000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	204000	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\VY042925\
Data File : VY022047.D
Acq On : 29 Apr 2025 10:00
Operator : SY/MD
Sample : VY0429SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Quant Time: Apr 30 01:32:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

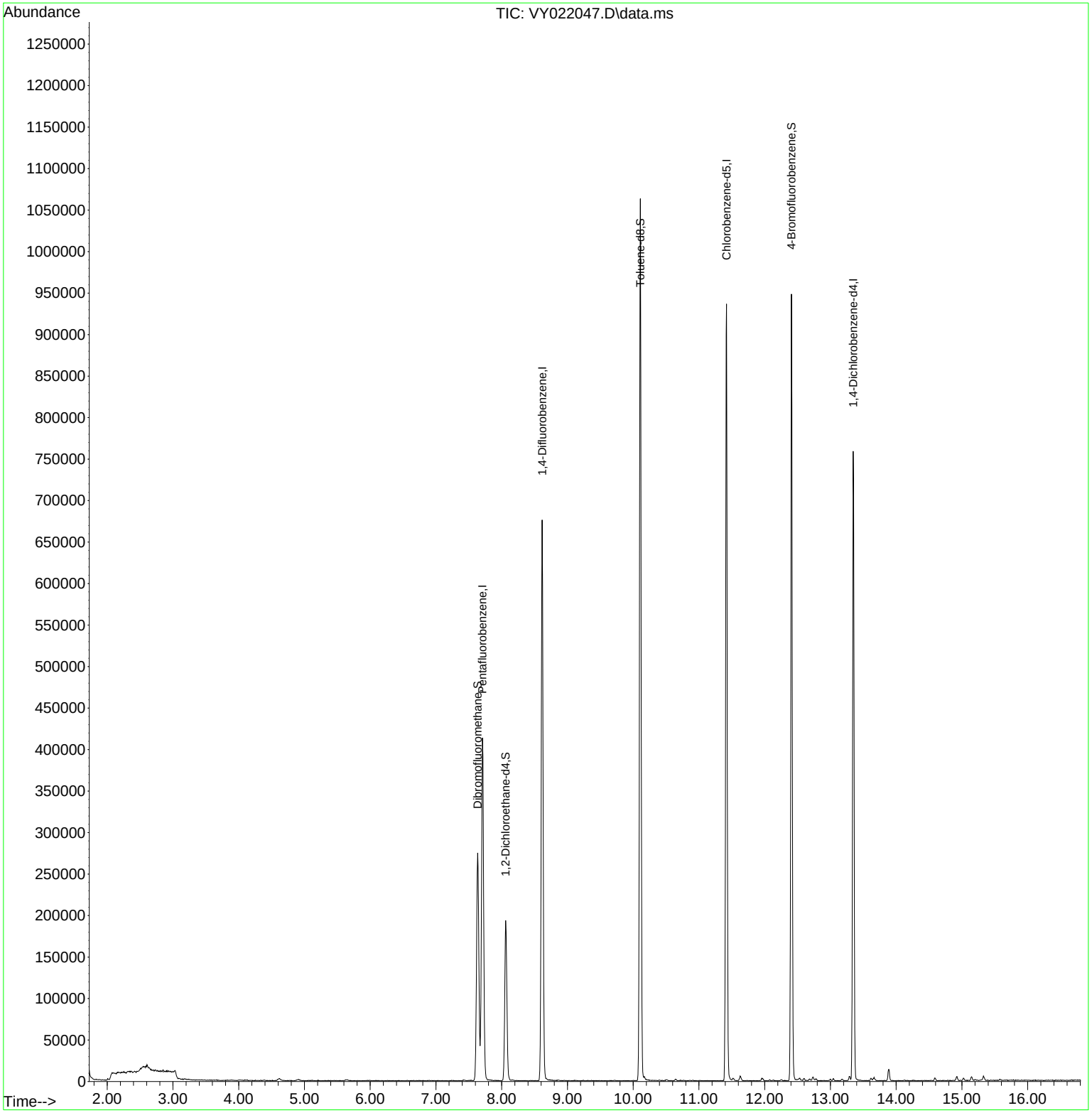
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	323132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	602161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	529726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	203699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150135	50.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.600%			
35) Dibromofluoromethane	7.634	113	198621	49.927	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.860%			
50) Toluene-d8	10.109	98	714245	47.623	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.240%			
62) 4-Bromofluorobenzene	12.408	95	285524	56.552	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.100%			
Target Compounds						Qvalue

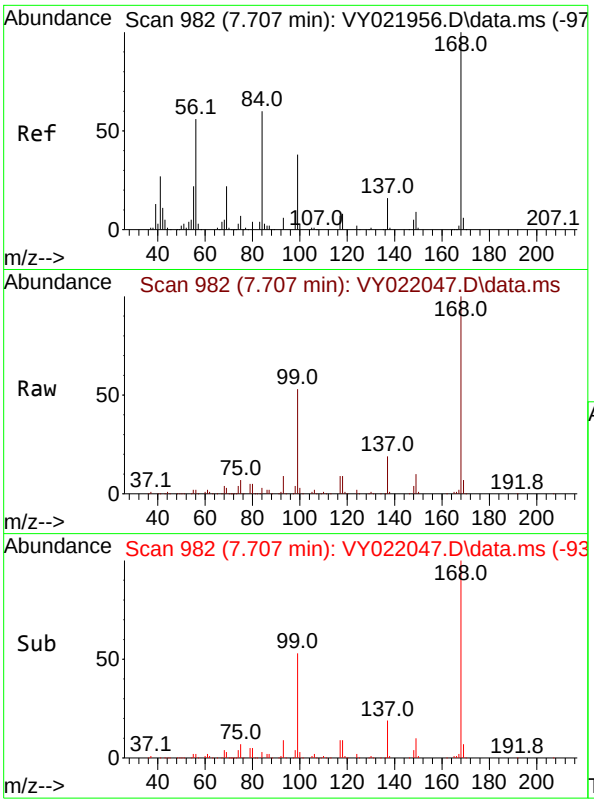
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022047.D
Acq On : 29 Apr 2025 10:00
Operator : SY/MD
Sample : VY0429SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Quant Time: Apr 30 01:32:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



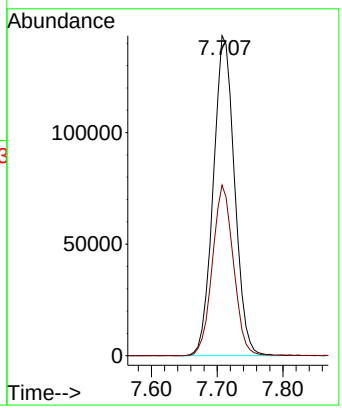


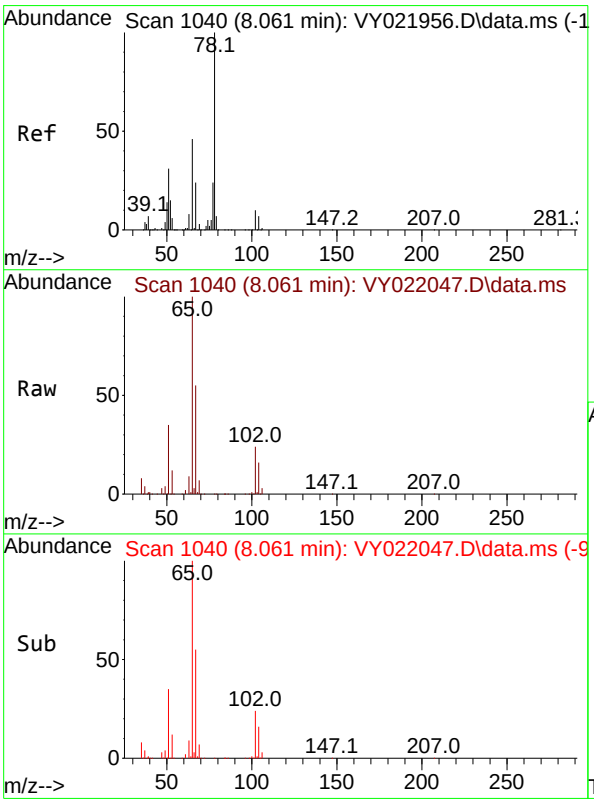
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Tgt Ion:168 Resp: 323132

Ion	Ratio	Lower	Upper
168	100		
99	53.3	43.1	64.7

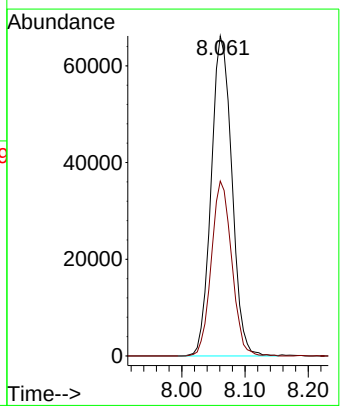


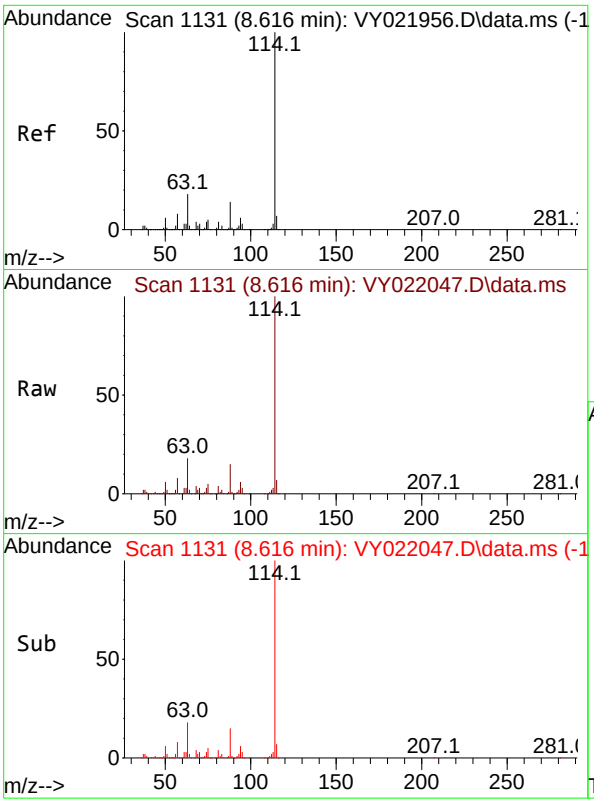


#33
1,2-Dichloroethane-d4
Concen: 50.301 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Tgt Ion: 65 Resp: 150135

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.8



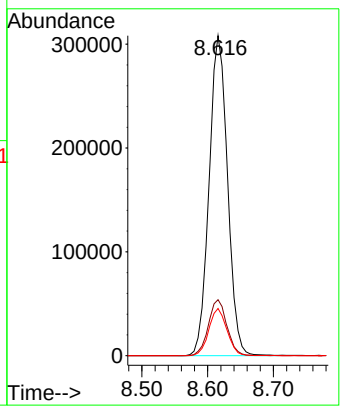


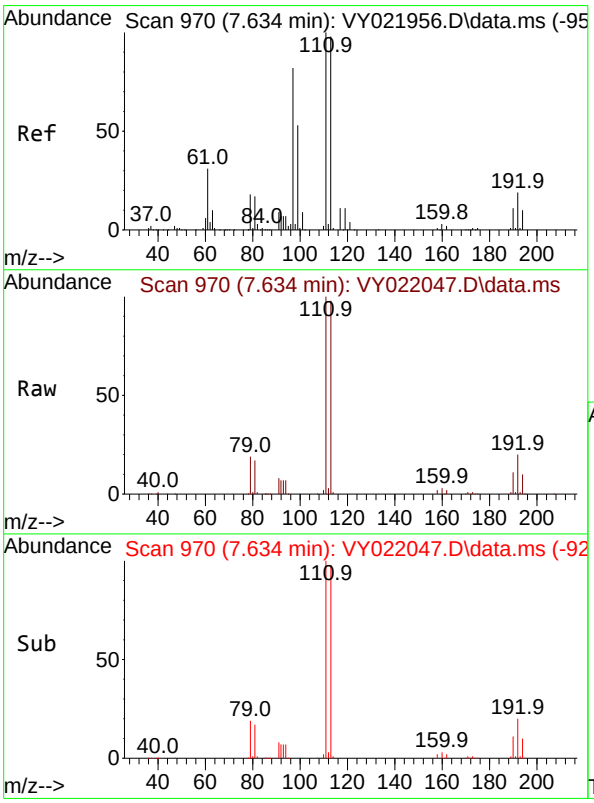
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Tgt Ion:114 Resp: 602161

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.4
88	14.8	0.0	28.2

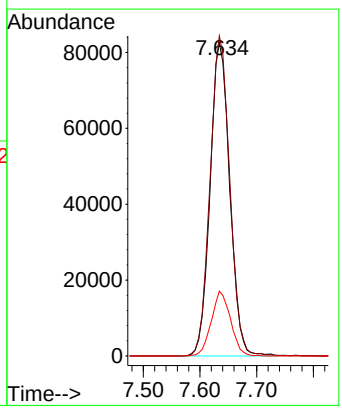


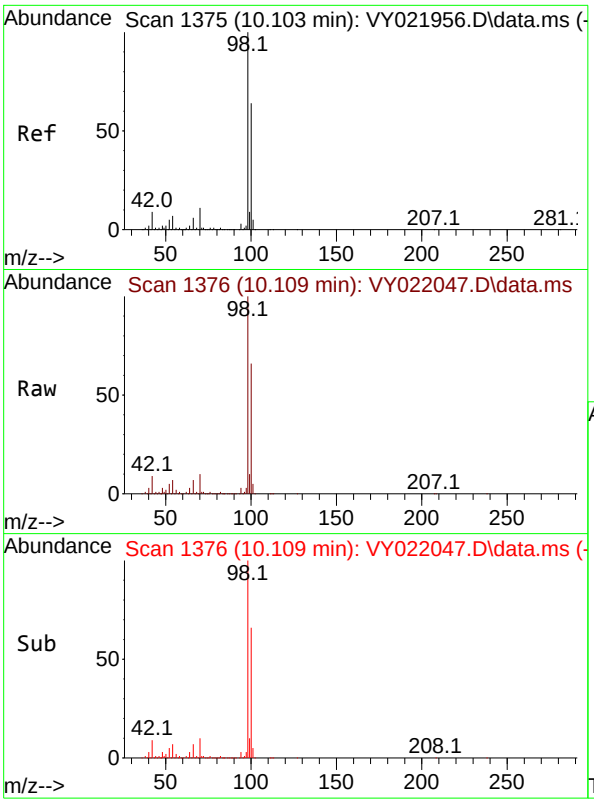


#35
Dibromofluoromethane
Concen: 49.927 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Tgt Ion:113 Resp: 198621

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	20.3	15.6	23.4



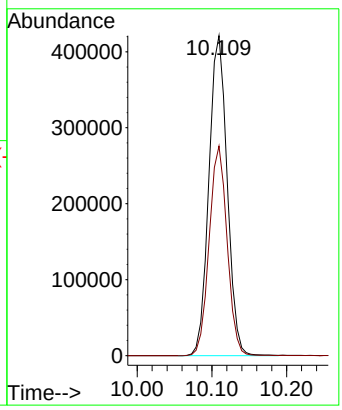


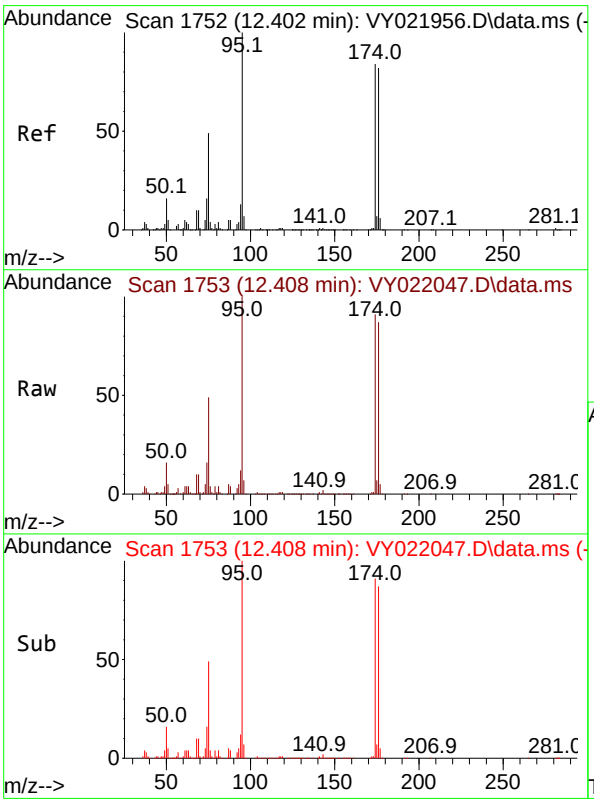
#50
Toluene-d8
Concen: 47.623 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Tgt Ion: 98 Resp: 714245

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4

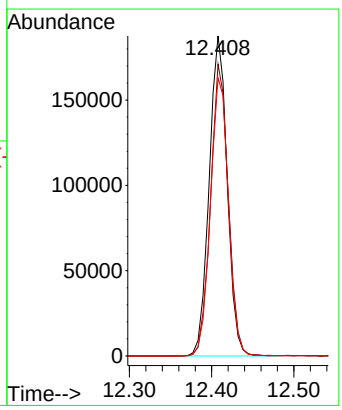


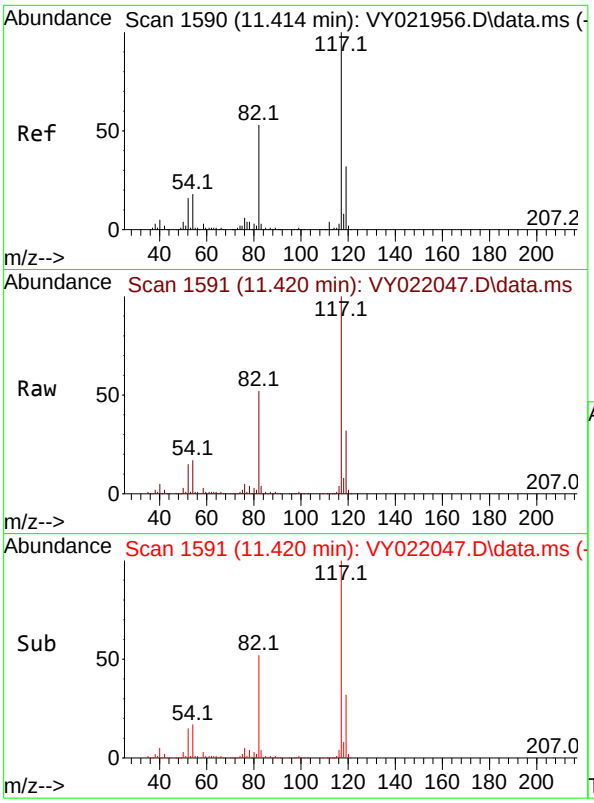


#62
4-Bromofluorobenzene
Concen: 56.552 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Tgt Ion: 95 Resp: 285524

Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	179.0
176	87.0	0.0	171.8



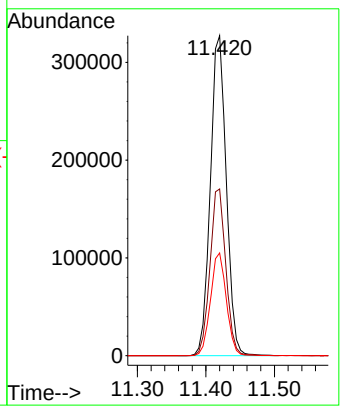


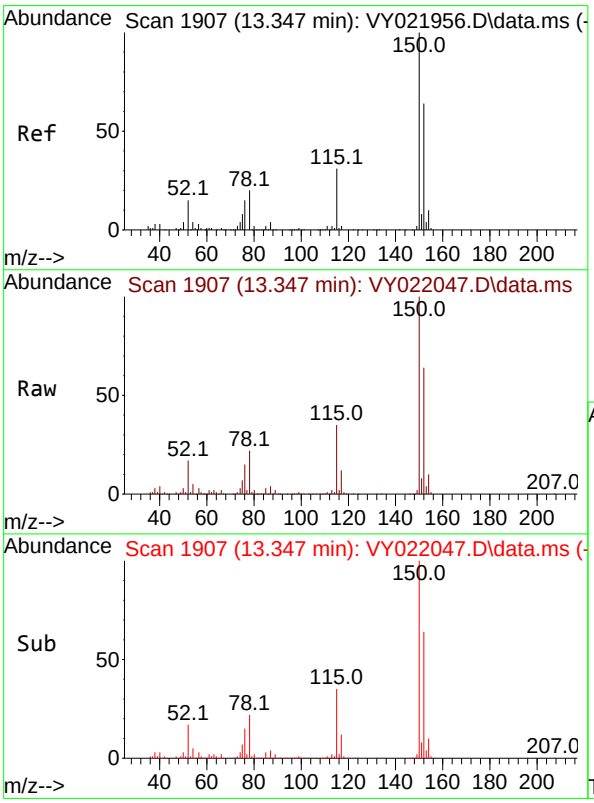
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBL01

Tgt Ion:117 Resp: 529726

Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.1	63.1
119	32.1	25.7	38.5

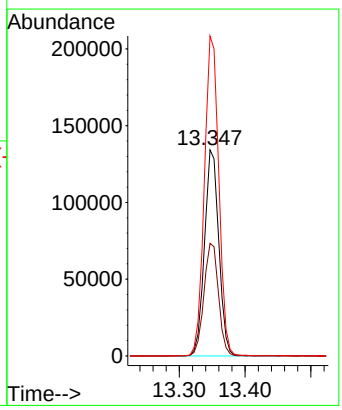




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022047.D
Acq: 29 Apr 2025 10:00

Tgt Ion:152 Resp: 203699

Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.0	84.0
150	156.0	0.0	345.6



Raw Data: **VY022071.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0430SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0430SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022071.D	1		04/30/25 09:57	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022071.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0430SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0430SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022071.D	1		04/30/25 09:57	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022071.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0430SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0430SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022071.D	1		04/30/25 09:57	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		71 - 136		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		78 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	48.2		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		79 - 119		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	312000	7.707				
540-36-3	1,4-Difluorobenzene	581000	8.616				
3114-55-4	Chlorobenzene-d5	511000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	187000	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\VY043025\
Data File : VY022071.D
Acq On : 30 Apr 2025 09:57
Operator : SY/MD
Sample : VY0430SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBL01

Quant Time: May 01 01:31:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	311598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	580894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	511027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	186896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150607	52.327	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.660%			
35) Dibromofluoromethane	7.634	113	198874	51.821	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.640%			
50) Toluene-d8	10.109	98	697047	48.178	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.408	95	259683	53.317	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.640%			

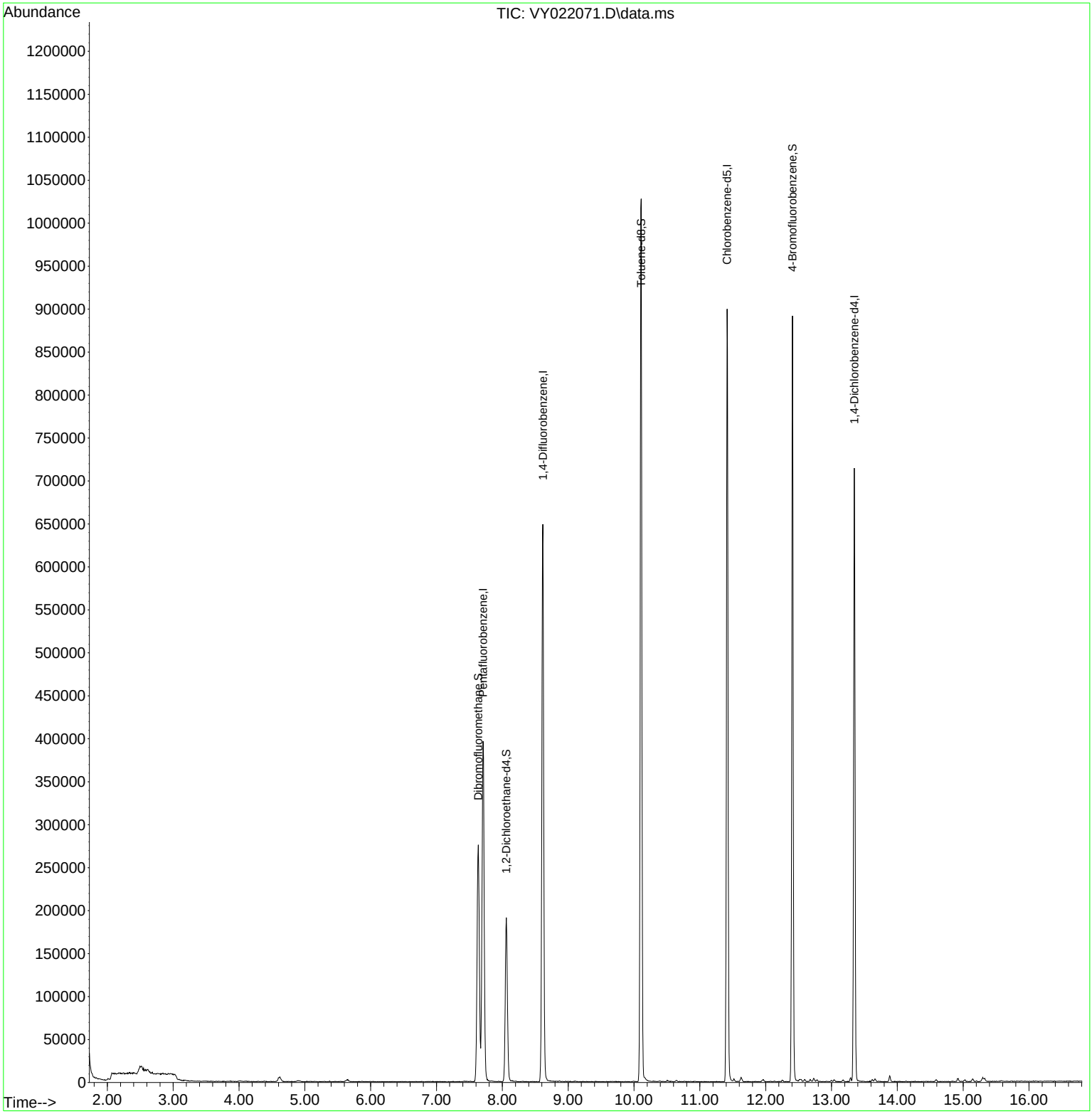
Target Compounds Qvalue

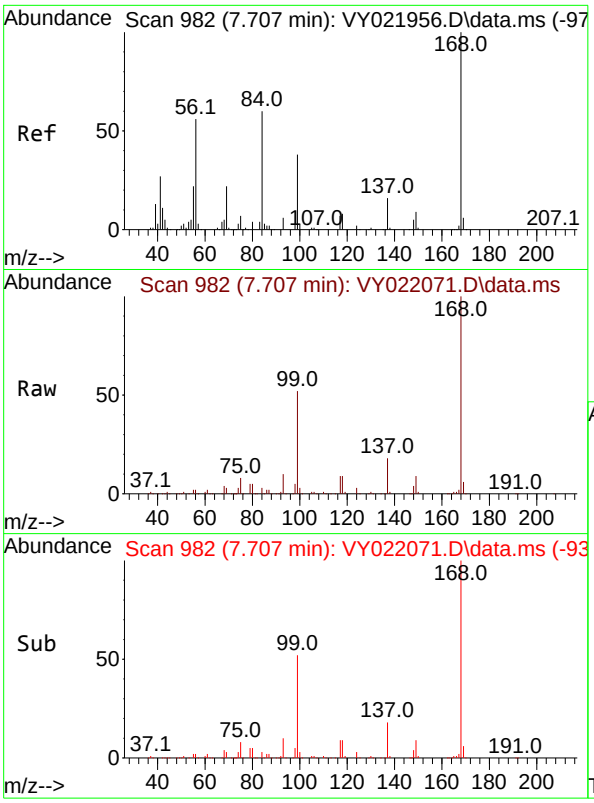
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022071.D
Acq On : 30 Apr 2025 09:57
Operator : SY/MD
Sample : VY0430SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBL01

Quant Time: May 01 01:31:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



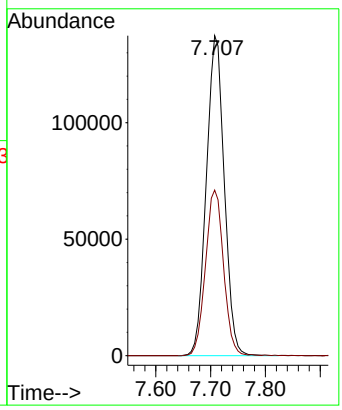


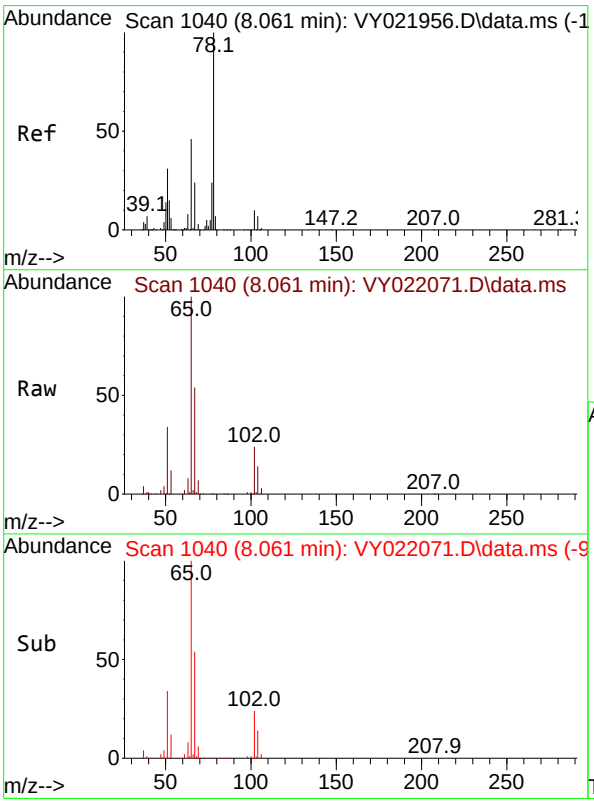
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBL01

Tgt Ion:168 Resp: 311598

Ion	Ratio	Lower	Upper
168	100		
99	51.8	43.1	64.7

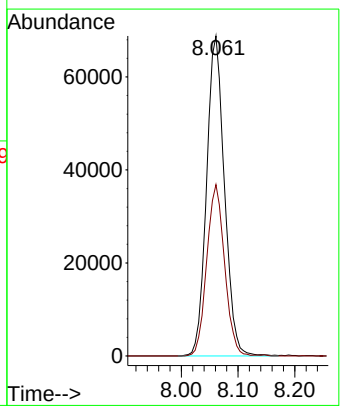


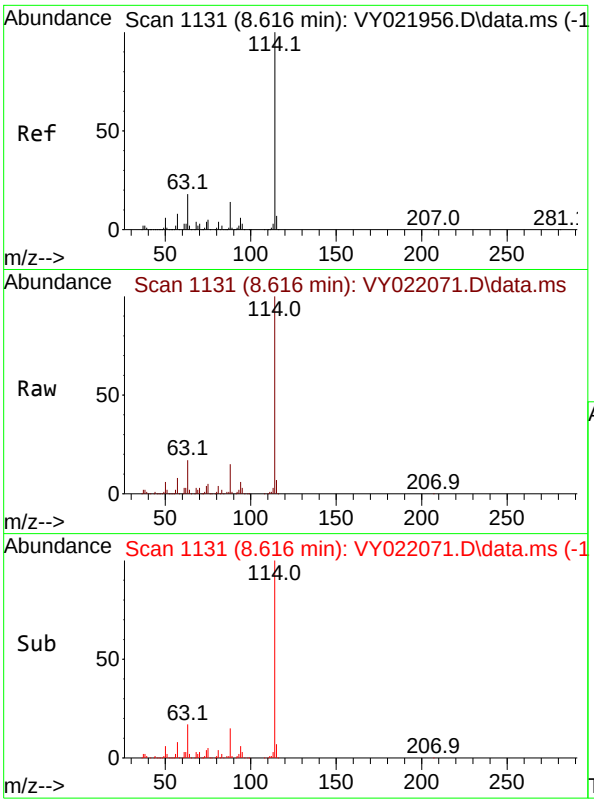


#33
1,2-Dichloroethane-d4
Concen: 52.327 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Tgt Ion: 65 Resp: 150607

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8



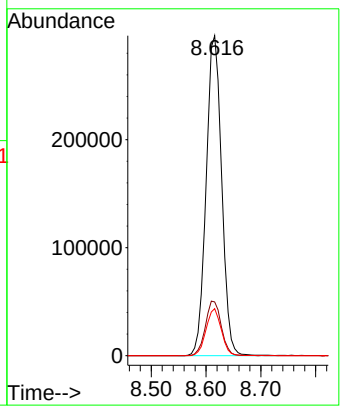


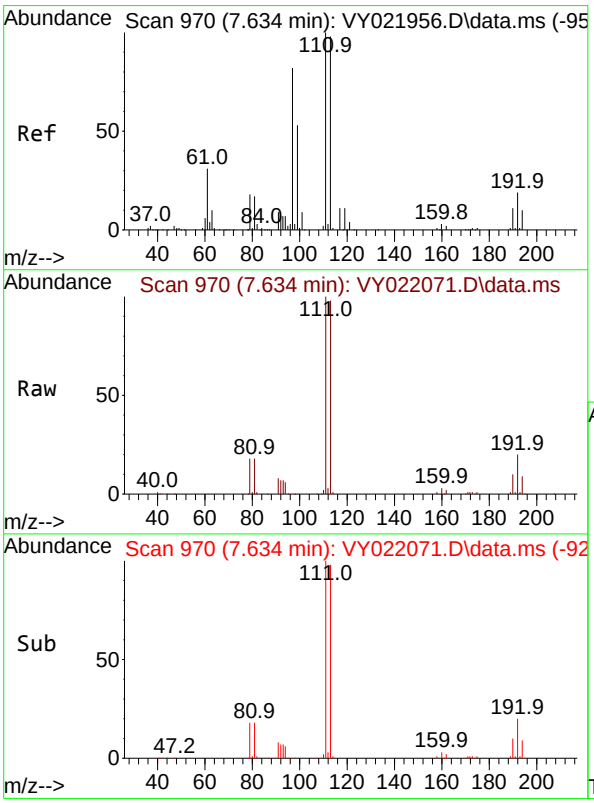
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBL01

Tgt Ion:114 Resp: 580894

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.4
88	14.7	0.0	28.2

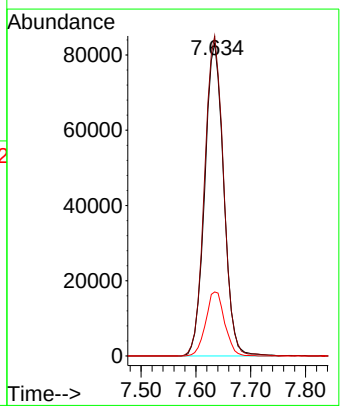


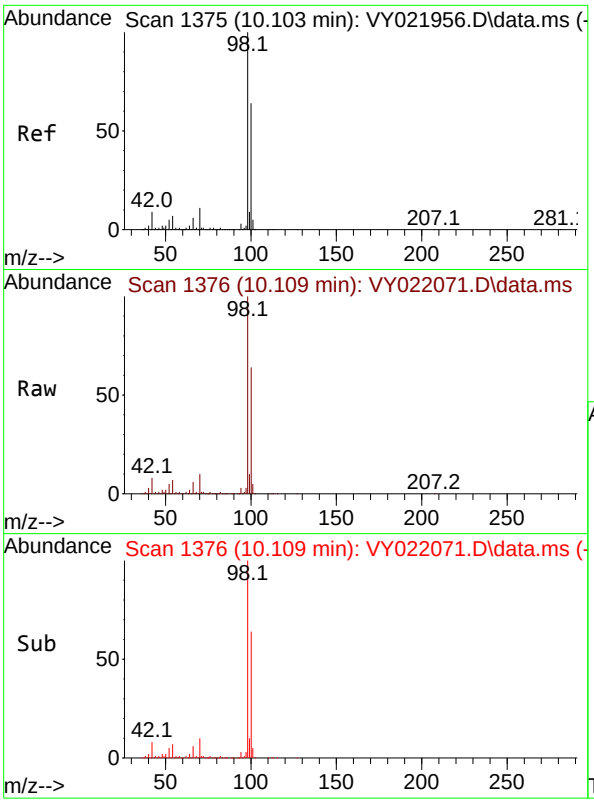


#35
Dibromofluoromethane
Concen: 51.821 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Tgt Ion:113 Resp: 198874

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	20.5	15.6	23.4



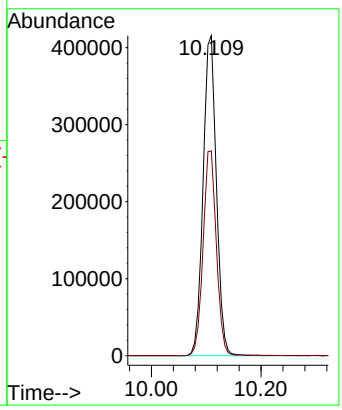


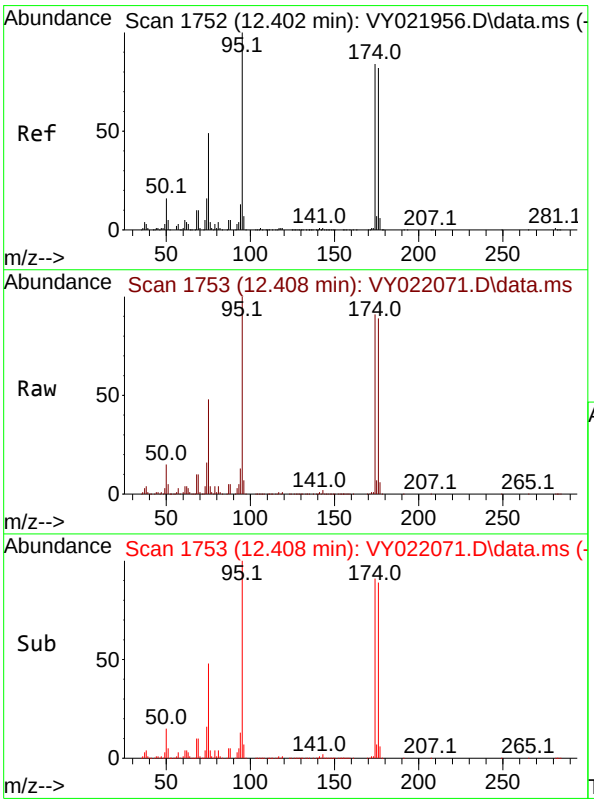
#50
Toluene-d8
Concen: 48.178 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBL01

Tgt Ion: 98 Resp: 697047

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4

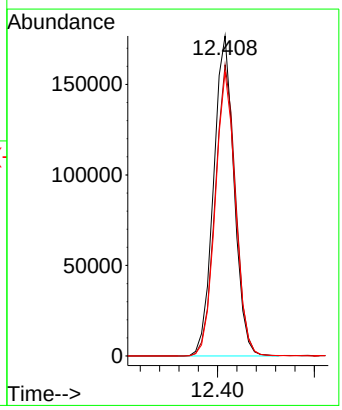


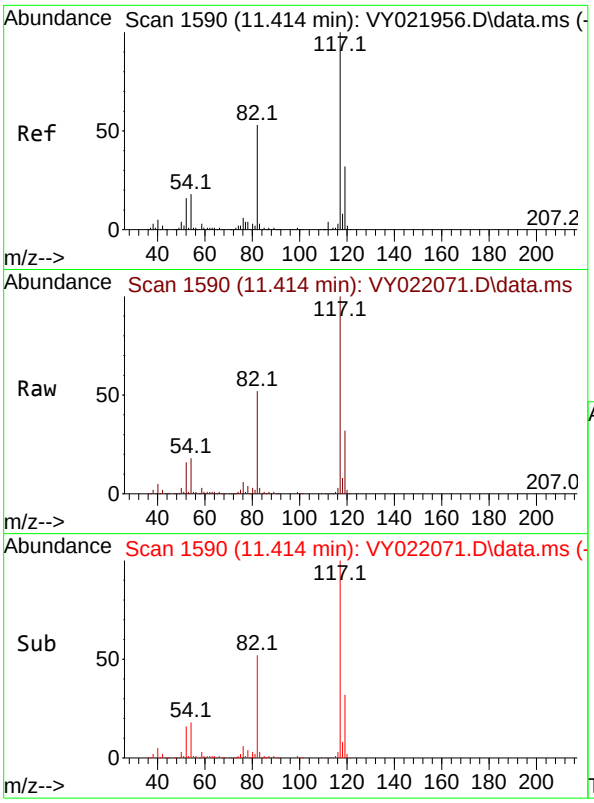


#62
4-Bromofluorobenzene
Concen: 53.317 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Tgt Ion: 95 Resp: 259683

Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	179.0
176	87.8	0.0	171.8



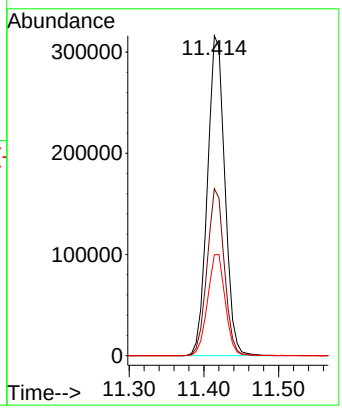


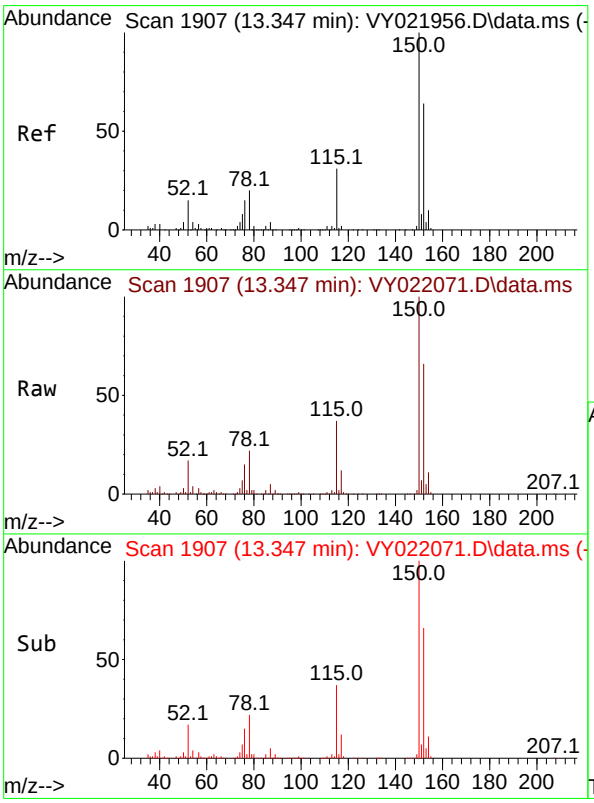
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBL01

Tgt Ion:117 Resp: 511027

Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.1	63.1
119	31.6	25.7	38.5

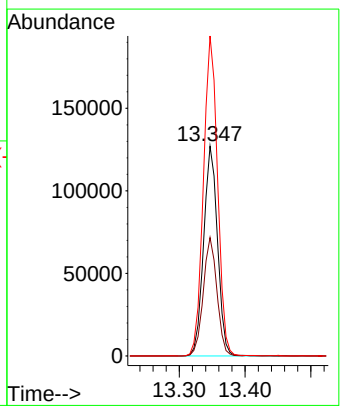




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022071.D
Acq: 30 Apr 2025 09:57

Tgt Ion:152 Resp: 186896

Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.0	84.0
150	155.1	0.0	345.6



Raw Data: **VY022096.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0501SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0501SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022096.D	1		05/01/25 10:11	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022096.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0501SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0501SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022096.D	1		05/01/25 10:11	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022096.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0501SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0501SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022096.D	1		05/01/25 10:11	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.2		71 - 136		98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		78 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	47.8		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	318000	7.707				
540-36-3	1,4-Difluorobenzene	586000	8.615				
3114-55-4	Chlorobenzene-d5	509000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	180000	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\VY050125\
Data File : VY022096.D
Acq On : 01 May 2025 10:11
Operator : SY/MD
Sample : VY0501SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

Quant Time: May 01 12:53:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	317996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	585580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	508953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	144517	49.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.400%			
35) Dibromofluoromethane	7.634	113	195715	50.590	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.180%			
50) Toluene-d8	10.109	98	696910	47.783	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.560%			
62) 4-Bromofluorobenzene	12.407	95	260745	53.107	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.220%			

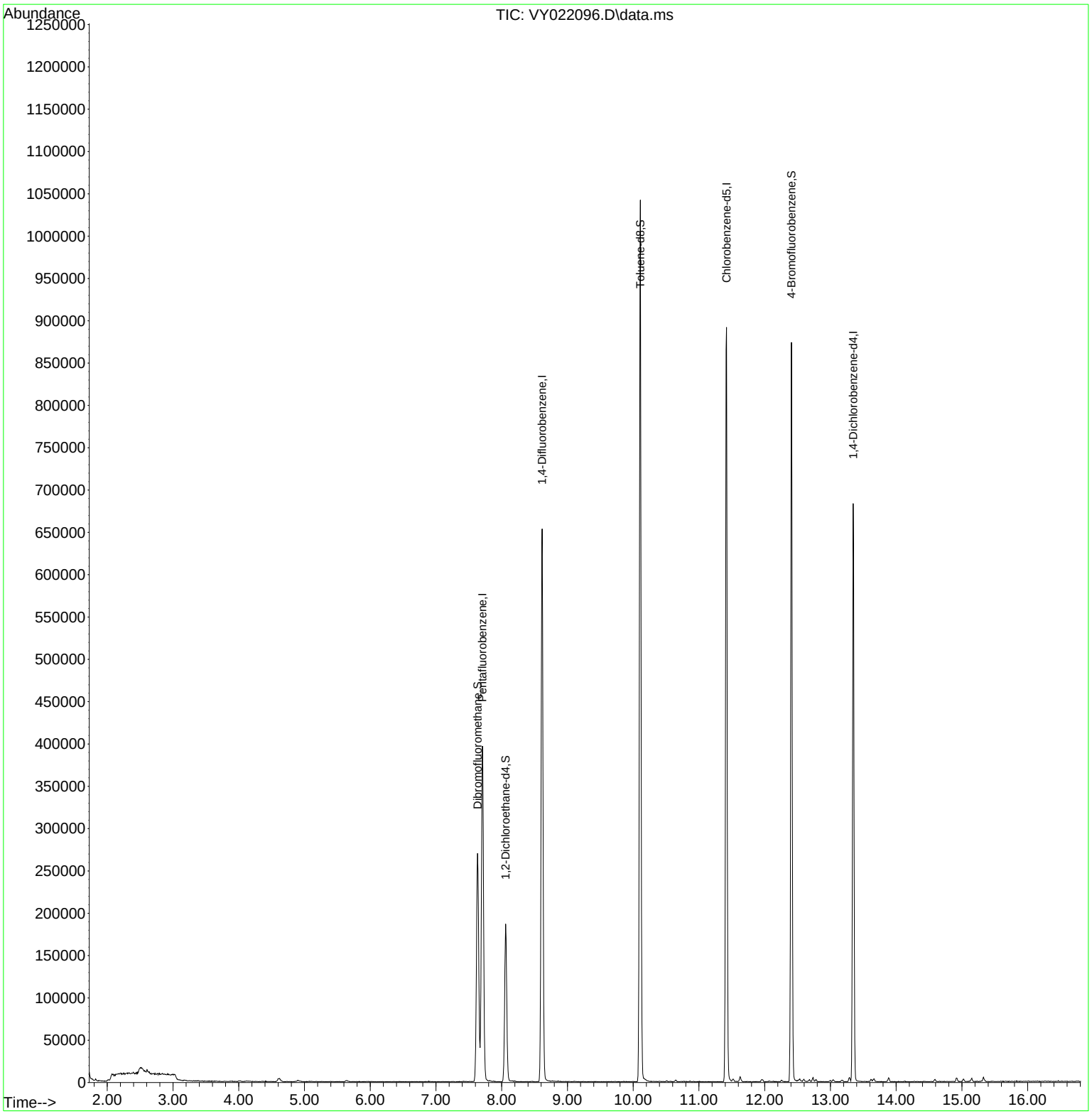
Target Compounds Qvalue

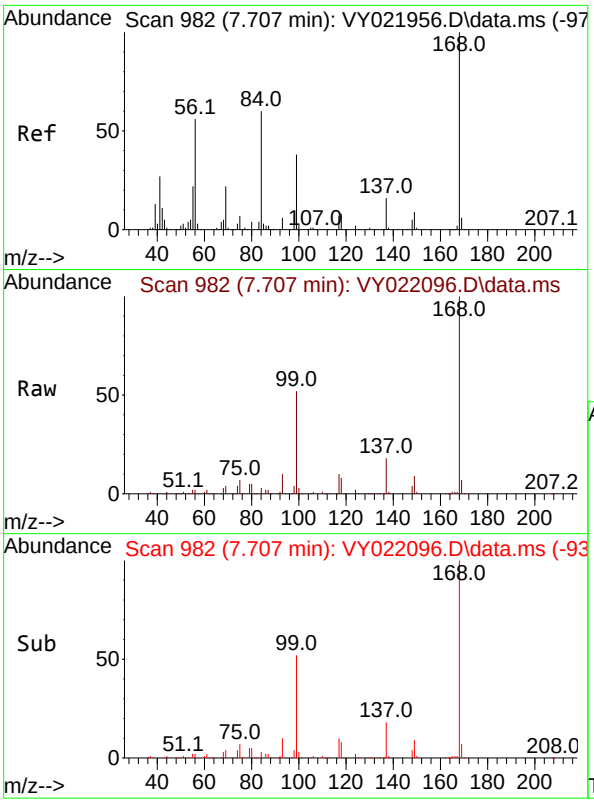
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022096.D
Acq On : 01 May 2025 10:11
Operator : SY/MD
Sample : VY0501SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

Quant Time: May 01 12:53:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



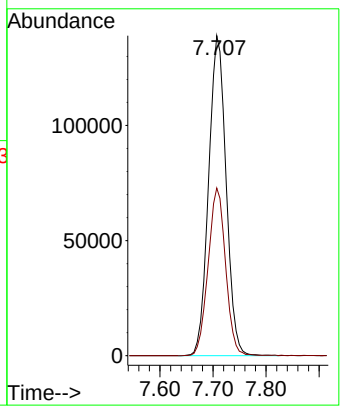


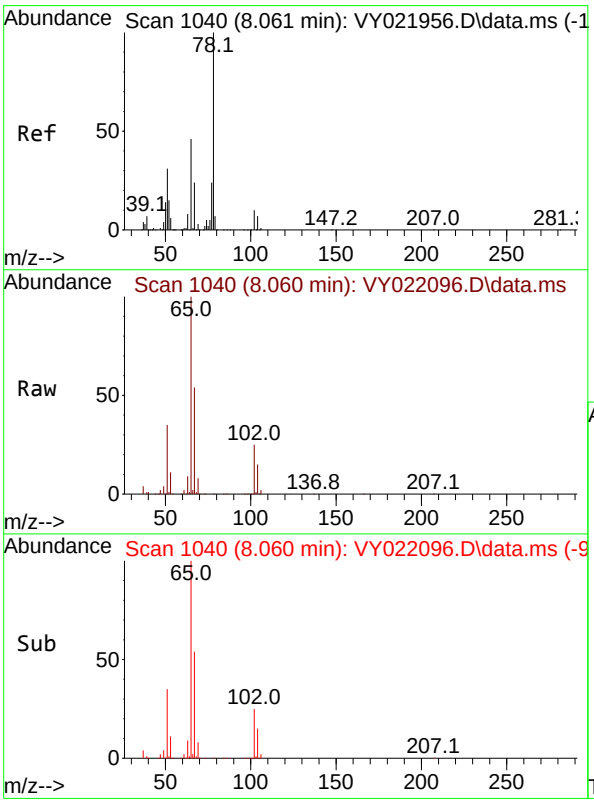
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

Tgt Ion:168 Resp: 317996

Ion	Ratio	Lower	Upper
168	100		
99	52.4	43.1	64.7

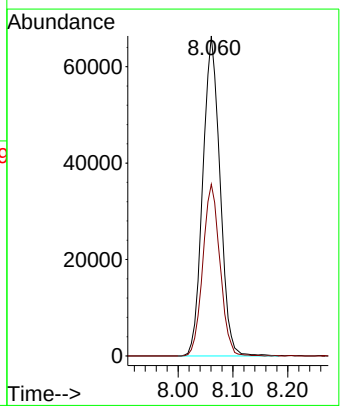


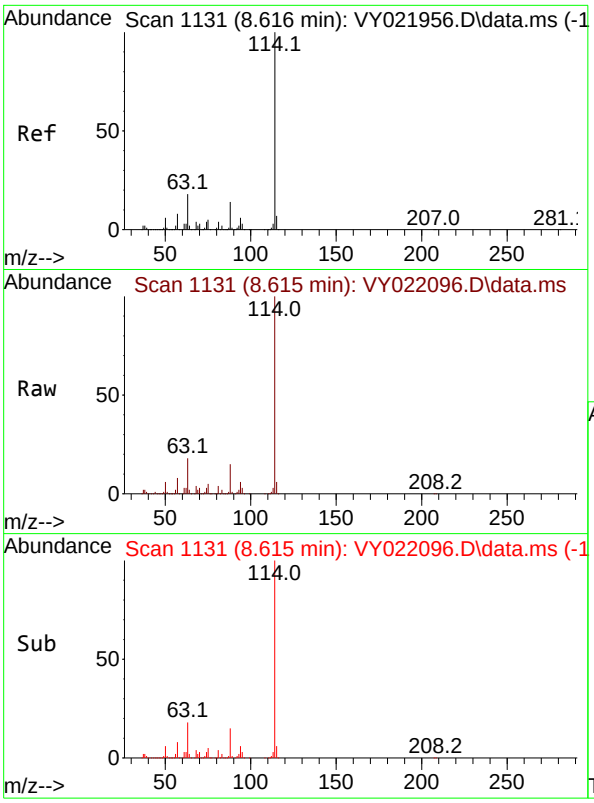


#33
1,2-Dichloroethane-d4
Concen: 49.201 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Tgt Ion: 65 Resp: 144517

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8



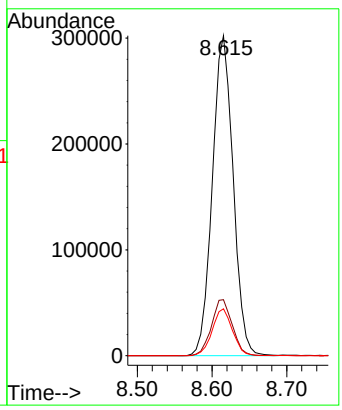


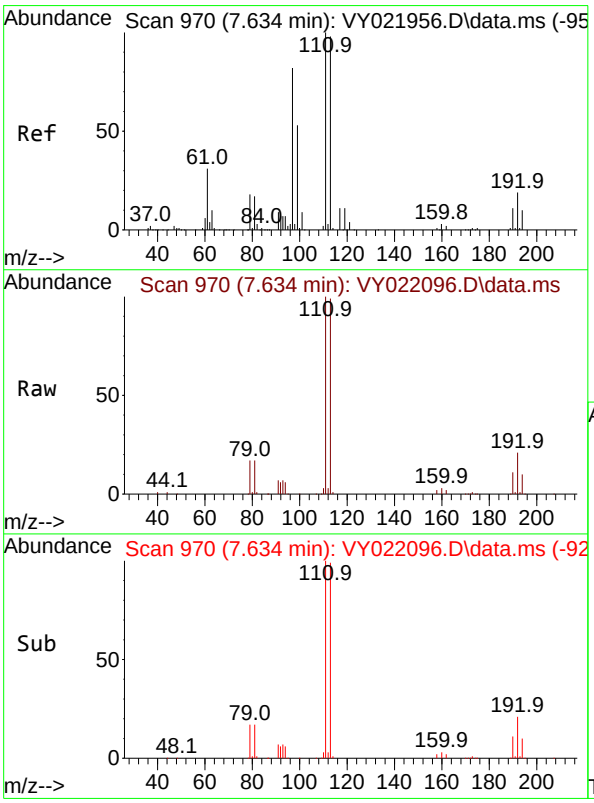
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

Tgt Ion:114 Resp: 585580

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.4
88	14.7	0.0	28.2

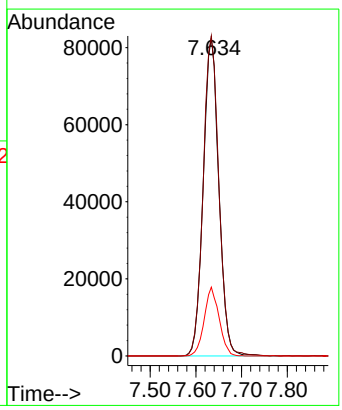


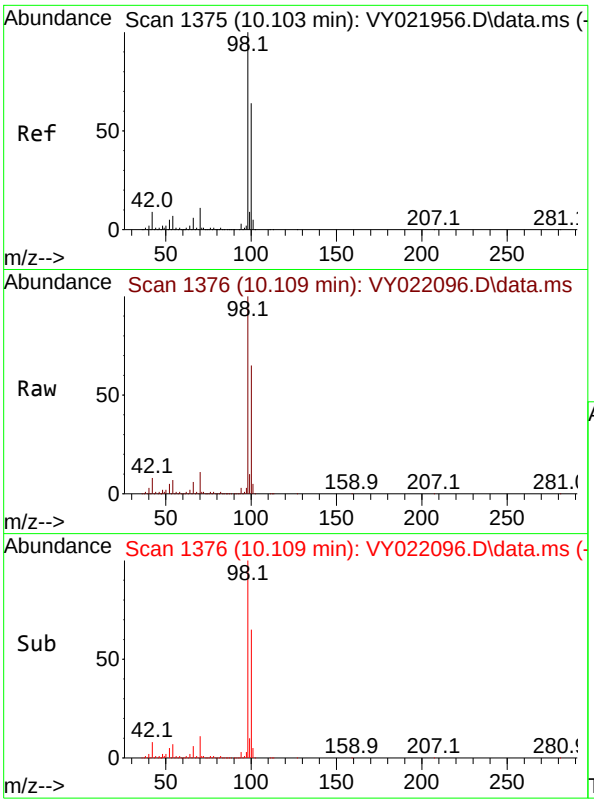


#35
Dibromofluoromethane
Concen: 50.590 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Tgt Ion:113 Resp: 195715

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	20.6	15.6	23.4



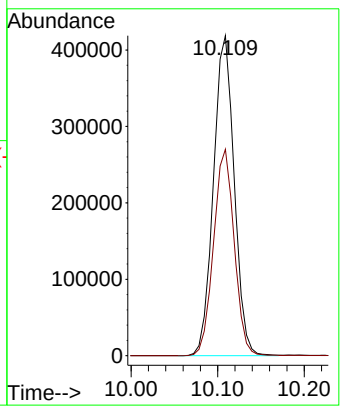


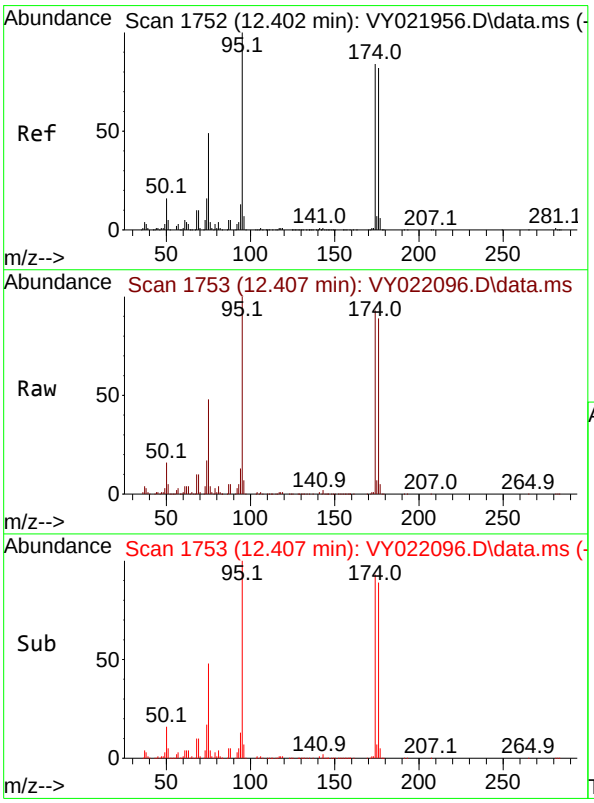
#50
Toluene-d8
Concen: 47.783 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

Tgt Ion: 98 Resp: 696910

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4

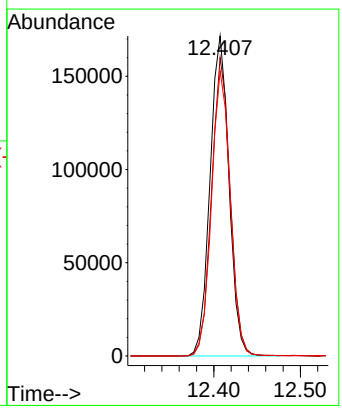


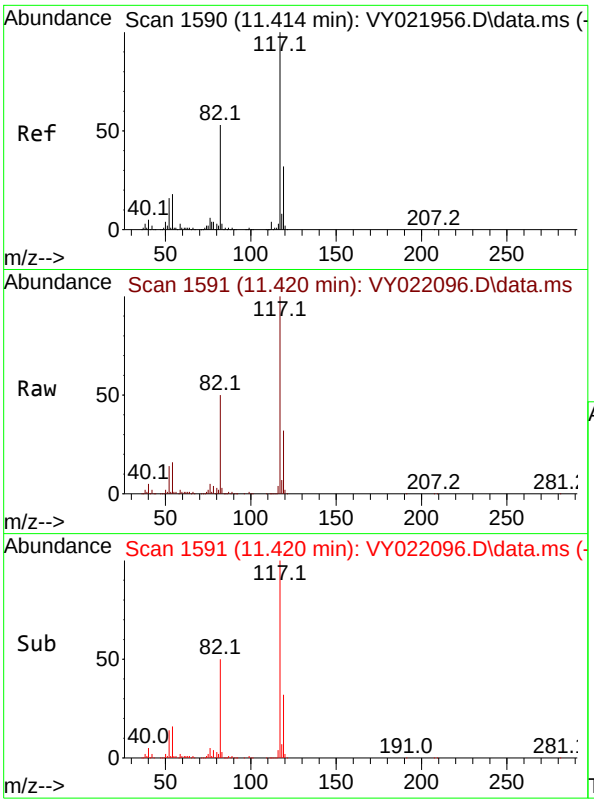


#62
4-Bromofluorobenzene
Concen: 53.107 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Tgt Ion: 95 Resp: 260745

Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	179.0
176	88.4	0.0	171.8



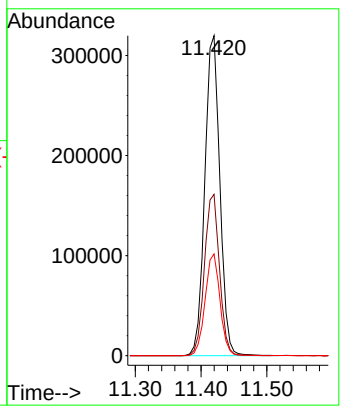


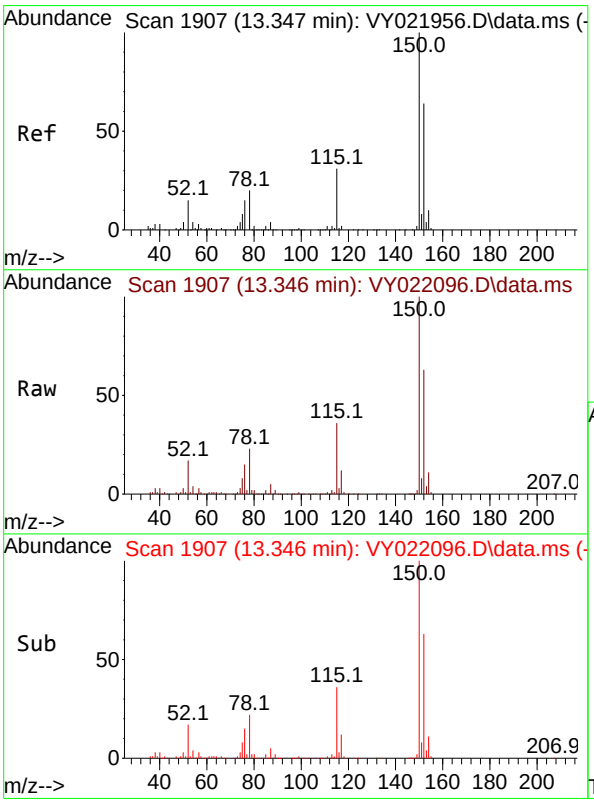
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBL01

Tgt Ion:117 Resp: 508953

Ion	Ratio	Lower	Upper
117	100		
82	50.4	42.1	63.1
119	31.8	25.7	38.5

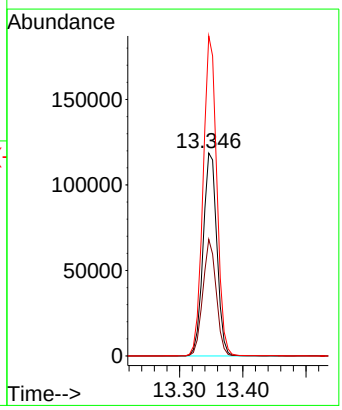




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022096.D
Acq: 01 May 2025 10:11

Tgt Ion:152 Resp: 180066

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	156.0	0.0	345.6



Raw Data: **VY022146.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0505SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022146.D	1		05/05/25 09:24	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.0025	U	0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.013	U	0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.0025	U	0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.013	U	0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.020	U	0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0040	U	0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0080	U	0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.0025	U	0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.020	U	0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.0025	U	0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.0040	U	0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0025	U	0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.0040	U	0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0025	U	0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.0025	U	0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.0025	U	0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.0025	U	0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.013	U	0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022146.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0505SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022146.D	1		05/05/25 09:24	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0025	U	0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0025	U	0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.013	U	0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.0025	U	0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.0025	U	0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.0025	U	0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025	U	0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0050	U	0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.0075	U	0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.0025	U	0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.0025	U	0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.0025	U	0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0040	U	0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.0025	U	0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.0025	U	0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0025	U	0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.0025	U	0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.0025	U	0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0025	U	0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.0025	U	0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.0025	U	0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0025	U	0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0025	U	0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022146.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1883
Lab Sample ID:	VY0505SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022146.D	1		05/05/25 09:24	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0025	U	0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0040	U	0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0040	U	0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.0025	U	0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0040	U	0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0025	U	0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.8		71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	46.5		85 - 116		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		79 - 119		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	329000	7.713				
540-36-3	1,4-Difluorobenzene	599000	8.616				
3114-55-4	Chlorobenzene-d5	512000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	192000	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\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Time: May 06 05:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	329285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	599236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	511500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	191516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151518	49.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.640%			
35) Dibromofluoromethane	7.634	113	198164	50.056	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.109	98	694430	46.528	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.060%			
62) 4-Bromofluorobenzene	12.408	95	277751	55.281	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.560%			

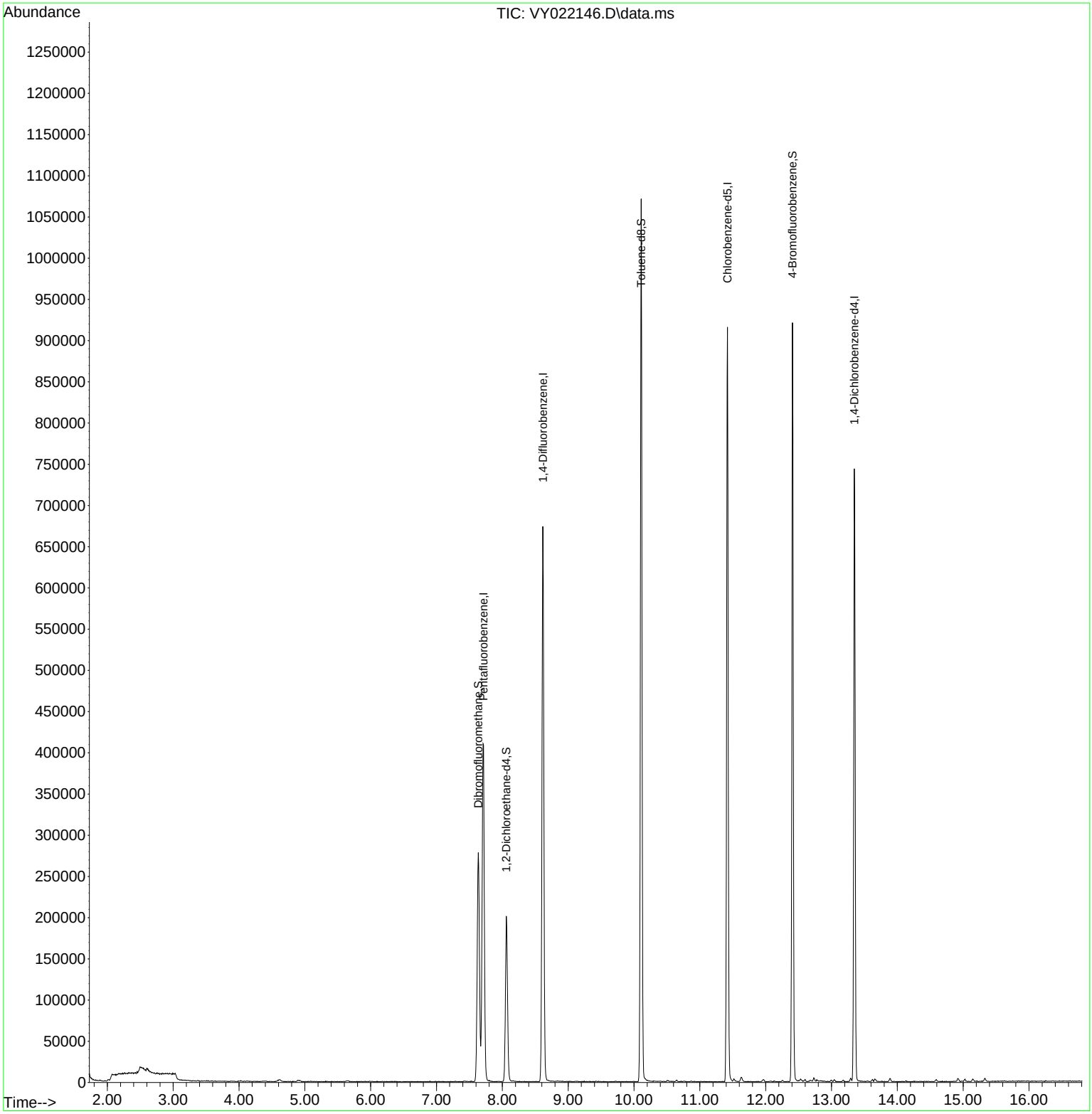
Target Compounds Qvalue

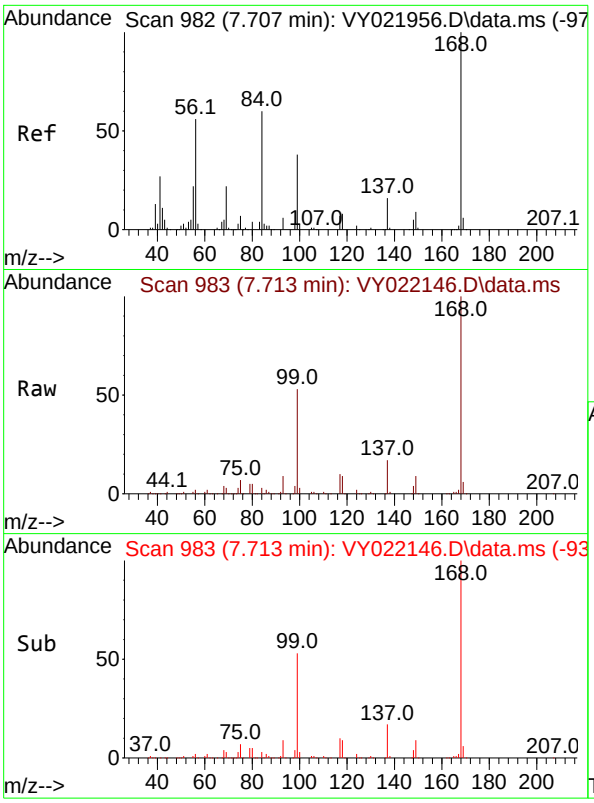
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022146.D
Acq On : 05 May 2025 09:24
Operator : SY/MD
Sample : VY0505SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Quant Time: May 06 05:19:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



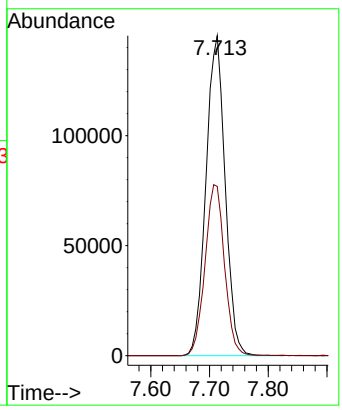


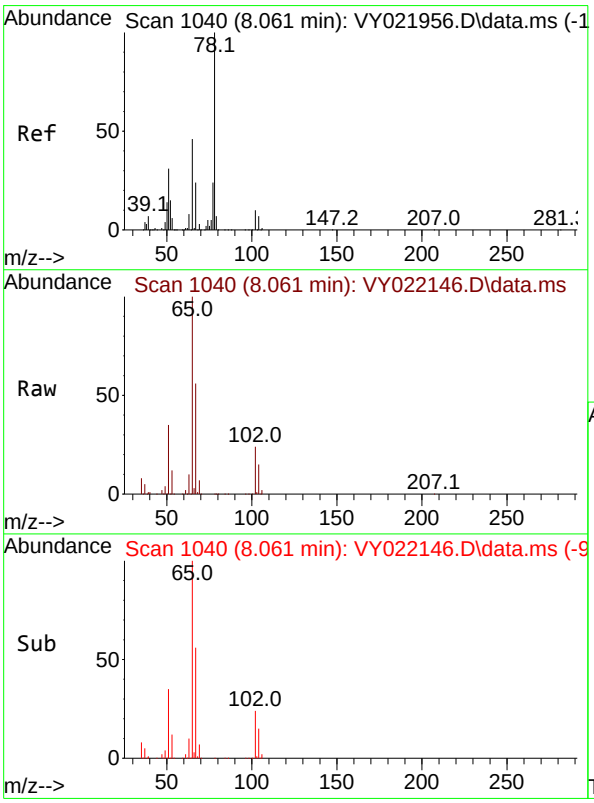
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion:168 Resp: 329285

Ion	Ratio	Lower	Upper
168	100		
99	52.9	43.1	64.7

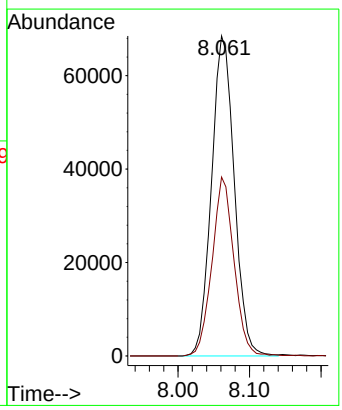


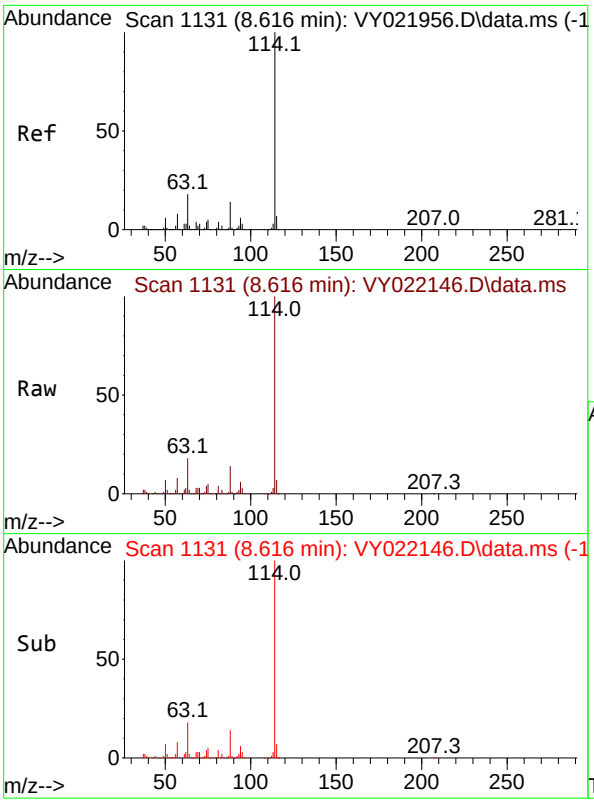


#33
1,2-Dichloroethane-d4
Concen: 49.816 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 65 Resp: 151518

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.8



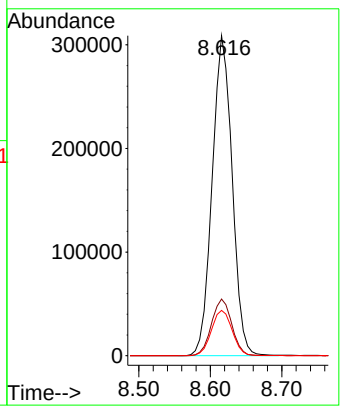


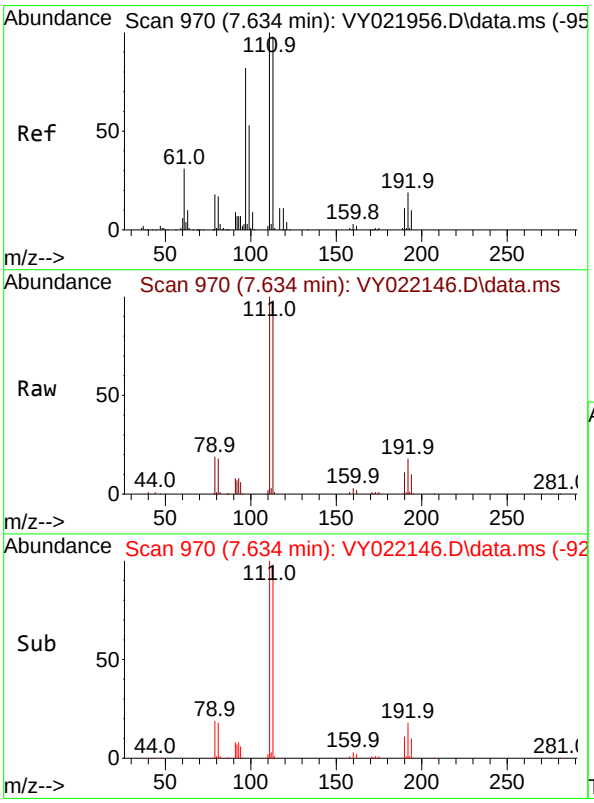
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion:114 Resp: 599236

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.1	0.0	28.2

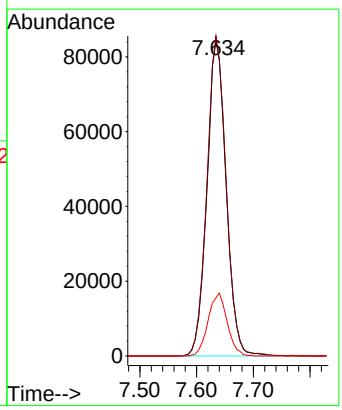


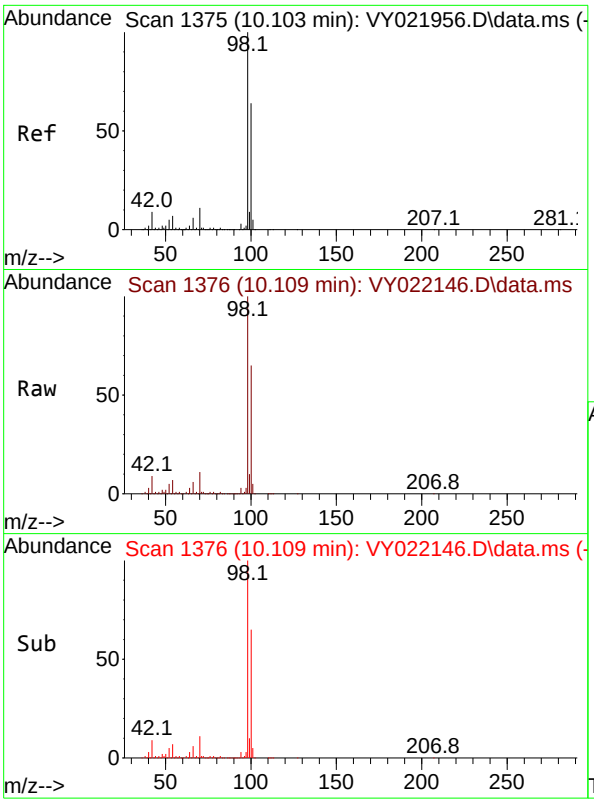


#35
Dibromofluoromethane
Concen: 50.056 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion:113 Resp: 198164

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.8
192	19.8	15.6	23.4



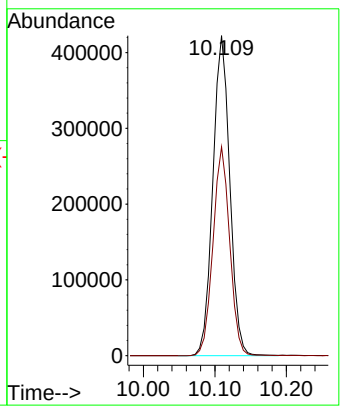


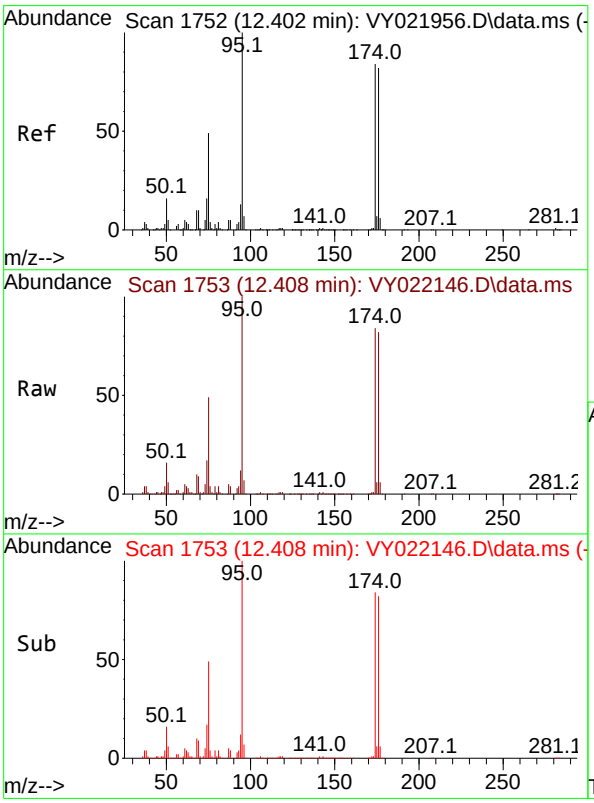
#50
Toluene-d8
Concen: 46.528 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion: 98 Resp: 694430

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

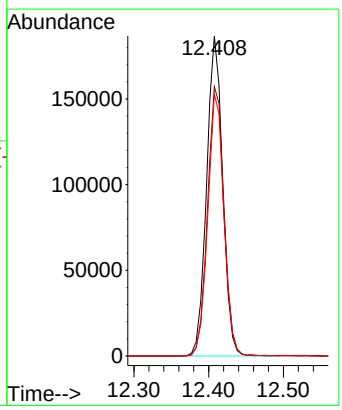


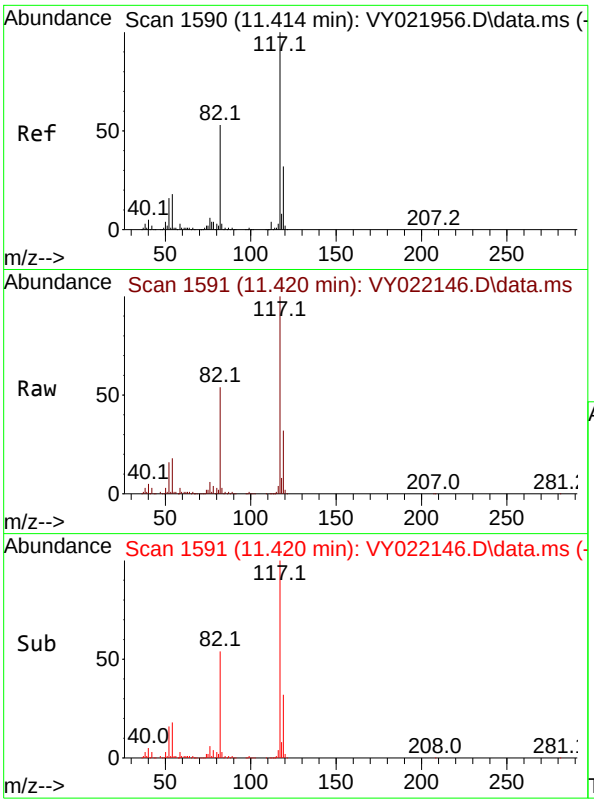


#62
4-Bromofluorobenzene
Concen: 55.281 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion: 95 Resp: 277751

Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	179.0
176	82.4	0.0	171.8



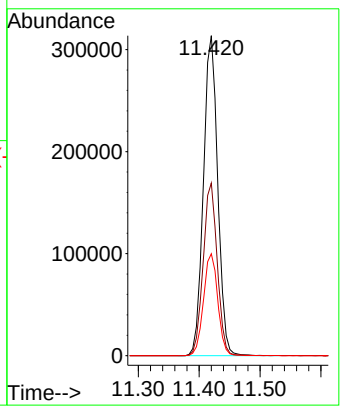


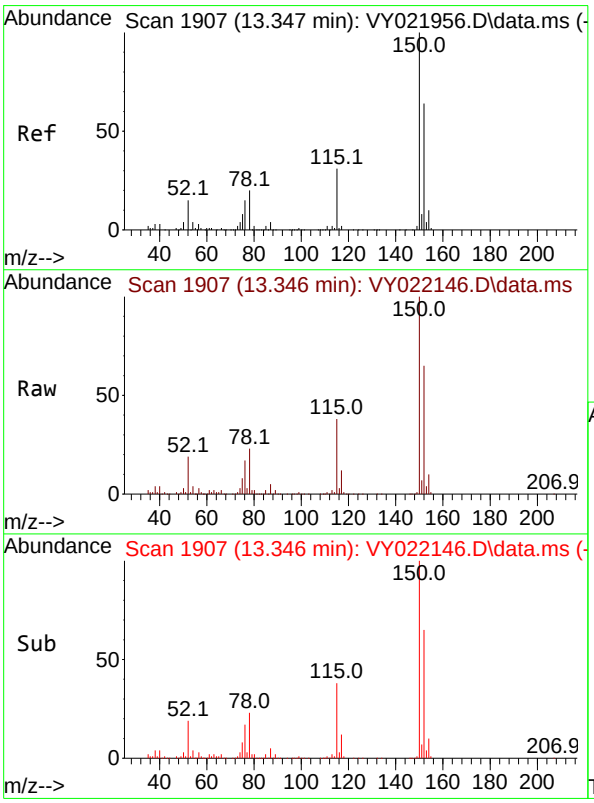
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBL01

Tgt Ion:117 Resp: 511500

Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.1	63.1
119	31.8	25.7	38.5

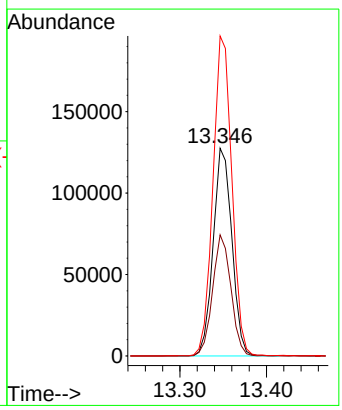




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022146.D
Acq: 05 May 2025 09:24

Tgt Ion:152 Resp: 191516

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.0	84.0
150	154.9	0.0	345.6



Raw Data: **VY022048.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.019		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.020		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.089		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.019		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.092		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.087		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.018		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.019		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.088		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.020		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.020		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.091		0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022048.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.019		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.020		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.087		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.020		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.019		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.059		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.019		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.019		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.019		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.019		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.020		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.020		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.020		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.019		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022048.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.018		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.017		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.019		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.019		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.4		71 - 136		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.9		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	295000	7.707				
540-36-3	1,4-Difluorobenzene	456000	8.616				
3114-55-4	Chlorobenzene-d5	411000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	221000	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\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	295160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	411306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	220609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131819	48.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.700%			
35) Dibromofluoromethane	7.634	113	150994	50.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.340%			
50) Toluene-d8	10.103	98	577886	50.927	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.860%			
62) 4-Bromofluorobenzene	12.408	95	189577	49.628	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	48376	19.235	ug/l	98
3) Chloromethane	2.068	50	72643	20.285	ug/l	99
4) Vinyl Chloride	2.202	62	83728	19.026	ug/l	98
5) Bromomethane	2.592	94	73982	19.513	ug/l	93
6) Chloroethane	2.733	64	56577	18.877	ug/l	94
7) Trichlorofluoromethane	3.056	101	112658	19.414	ug/l	99
8) Diethyl Ether	3.452	74	28383	18.792	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	61809	19.635	ug/l	98
10) Methyl Iodide	4.001	142	67410	18.495	ug/l	99
11) Tert butyl alcohol	4.879	59	13239	88.452	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	58076	19.793	ug/l	97
13) Acrolein	3.659	56	23798	88.588	ug/l	98
14) Allyl chloride	4.385	41	64847	18.980	ug/l	99
15) Acrylonitrile	5.061	53	51099	92.413	ug/l	98
16) Acetone	3.873	43	36017	87.002	ug/l	92
17) Carbon Disulfide	4.104	76	183149	19.576	ug/l	100
18) Methyl Acetate	4.385	43	26368	20.705	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	120380	18.330	ug/l	95
20) Methylene Chloride	4.610	84	64582	18.734	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64140	19.519	ug/l	97
22) Diisopropyl ether	6.019	45	149424	19.653	ug/l	97
23) Vinyl Acetate	5.958	43	373500	91.151	ug/l	99
24) 1,1-Dichloroethane	5.915	63	101522	19.263	ug/l	98
25) 2-Butanone	6.897	43	54911	88.358	ug/l	97
26) 2,2-Dichloropropane	6.884	77	91600	19.830	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	72039	19.606	ug/l	98
28) Bromochloromethane	7.244	49	39029	19.066	ug/l	98
29) Tetrahydrofuran	7.262	42	35848	88.815	ug/l	99
30) Chloroform	7.421	83	117036	20.020	ug/l	97
31) Cyclohexane	7.701	56	84220	18.687	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	105143	19.880	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79075	19.558	ug/l	99
37) Ethyl Acetate	6.982	43	26628	18.338	ug/l	98
38) Carbon Tetrachloride	7.817	117	98218	20.330	ug/l	99
39) Methylcyclohexane	9.110	83	92537	18.187	ug/l	94
40) Benzene	8.079	78	254772	20.158	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	14741m	18.571	ug/l		
42) 1,2-Dichloroethane	8.158	62	62360	19.929	ug/l		99
43) Isopropyl Acetate	8.195	43	50732	18.193	ug/l		98
44) Trichloroethene	8.866	130	71028	20.290	ug/l		95
45) 1,2-Dichloropropane	9.140	63	56441	20.194	ug/l		98
46) Dibromomethane	9.231	93	34280	19.593	ug/l		98
47) Bromodichloromethane	9.420	83	87710	20.067	ug/l		100
48) Methyl methacrylate	9.219	41	22602	17.533	ug/l		93
49) 1,4-Dioxane	9.225	88	6627	355.374	ug/l		92
51) 4-Methyl-2-Pentanone	10.000	43	133241	91.148	ug/l		100
52) Toluene	10.170	92	164777	20.141	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	71271	19.011	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	85968	19.290	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	47069	20.140	ug/l		98
56) Ethyl methacrylate	10.439	69	47072	17.613	ug/l		97
57) 1,3-Dichloropropane	10.719	76	74505	19.886	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	119153	91.185	ug/l		98
59) 2-Hexanone	10.762	43	83877	86.992	ug/l		98
60) Dibromochloromethane	10.908	129	64371	19.894	ug/l		98
61) 1,2-Dibromoethane	11.018	107	43629	19.774	ug/l		100
64) Tetrachloroethene	10.646	164	81253	20.941	ug/l		98
65) Chlorobenzene	11.444	112	182043	19.792	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	64950	20.058	ug/l		98
67) Ethyl Benzene	11.518	91	292538	19.443	ug/l		99
68) m/p-Xylenes	11.627	106	240556	40.178	ug/l		100
69) o-Xylene	11.957	106	105800	19.172	ug/l		99
70) Styrene	11.969	104	183180	19.770	ug/l		100
71) Bromoform	12.133	173	36552	19.415	ug/l	#	100
73) Isopropylbenzene	12.255	105	281901	19.126	ug/l		99
74) N-amyl acetate	12.072	43	42199	16.664	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	47578	19.146	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	35659m	18.871	ug/l		
77) Bromobenzene	12.530	156	73239	19.665	ug/l		99
78) n-propylbenzene	12.597	91	344311	19.616	ug/l		100
79) 2-Chlorotoluene	12.682	91	200069	19.600	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	237244	19.536	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	14562	18.558	ug/l		97
82) 4-Chlorotoluene	12.780	91	210828	19.868	ug/l		98
83) tert-Butylbenzene	12.999	119	206168	18.929	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	238254	19.614	ug/l		99
85) sec-Butylbenzene	13.176	105	311925	19.572	ug/l		100
86) p-Isopropyltoluene	13.292	119	262713	19.412	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	148080	19.576	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	145893	19.474	ug/l		99
89) n-Butylbenzene	13.621	91	220728	18.247	ug/l		99
90) Hexachloroethane	13.877	117	58056	19.525	ug/l		99
91) 1,2-Dichlorobenzene	13.658	146	128956	19.546	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6879	17.400	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	68247	18.255	ug/l		99
94) Hexachlorobutadiene	15.023	225	43083	18.730	ug/l		99
95) Naphthalene	15.145	128	99146	15.964	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	59189	18.341	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

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

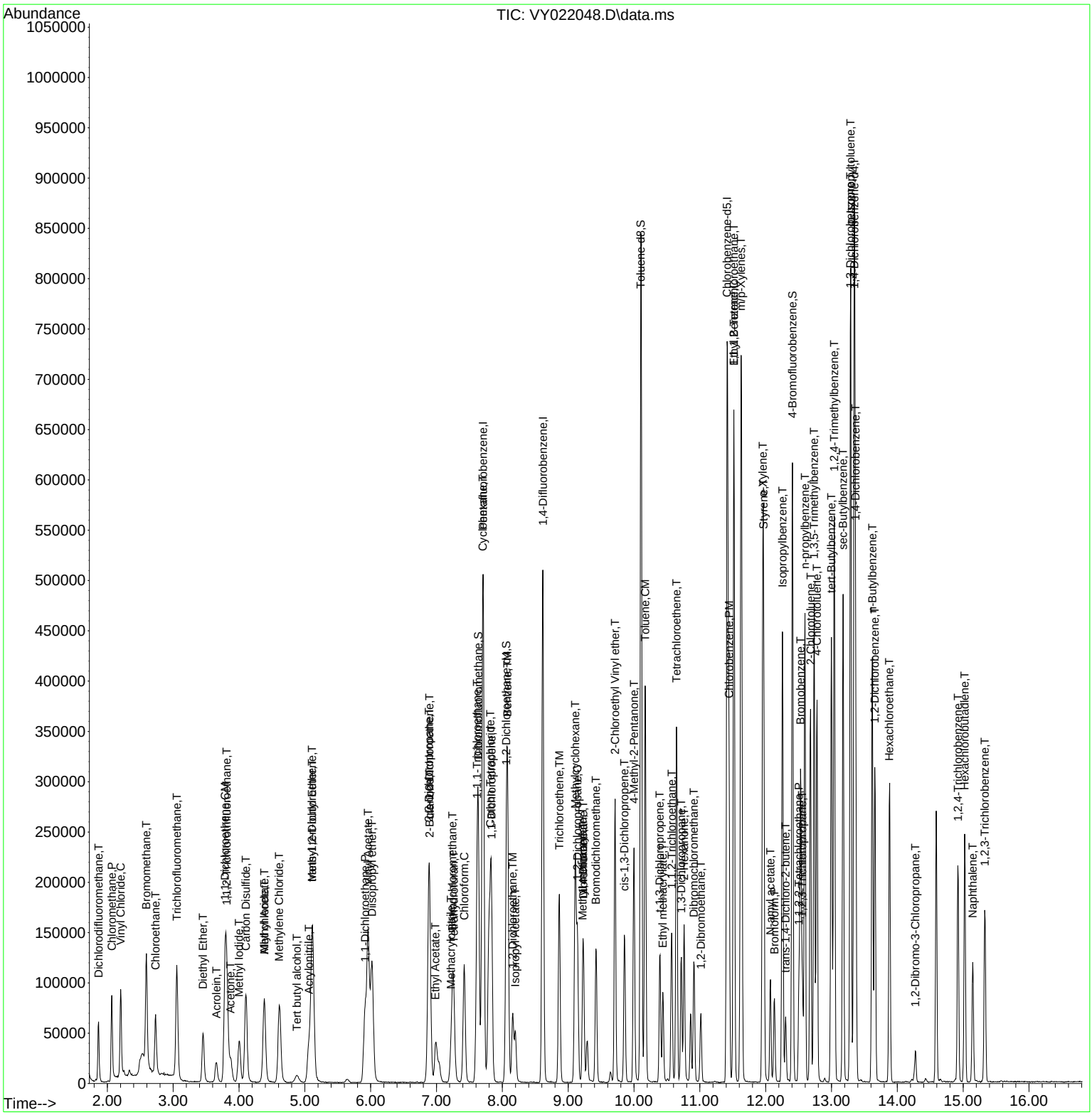
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

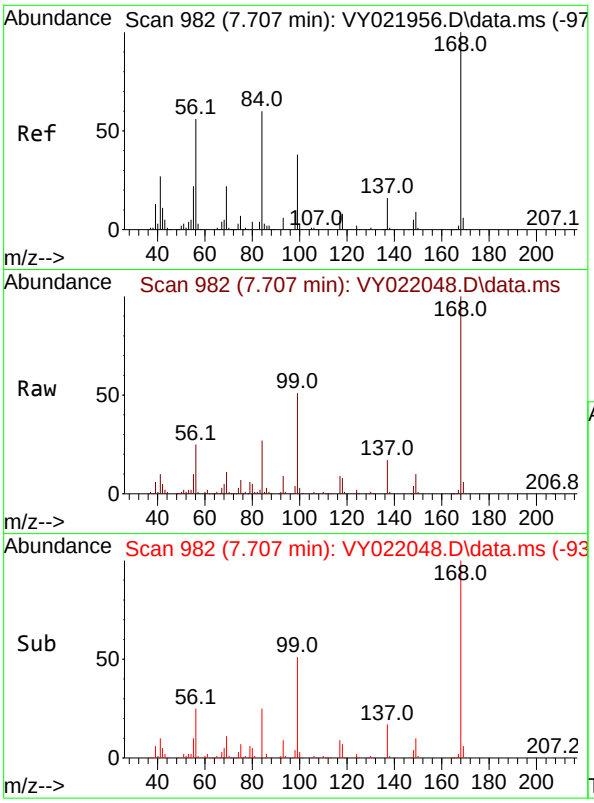
Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

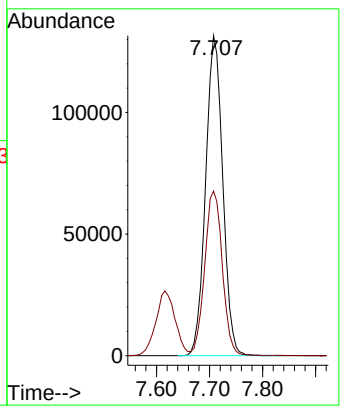




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:168 Resp: 29516

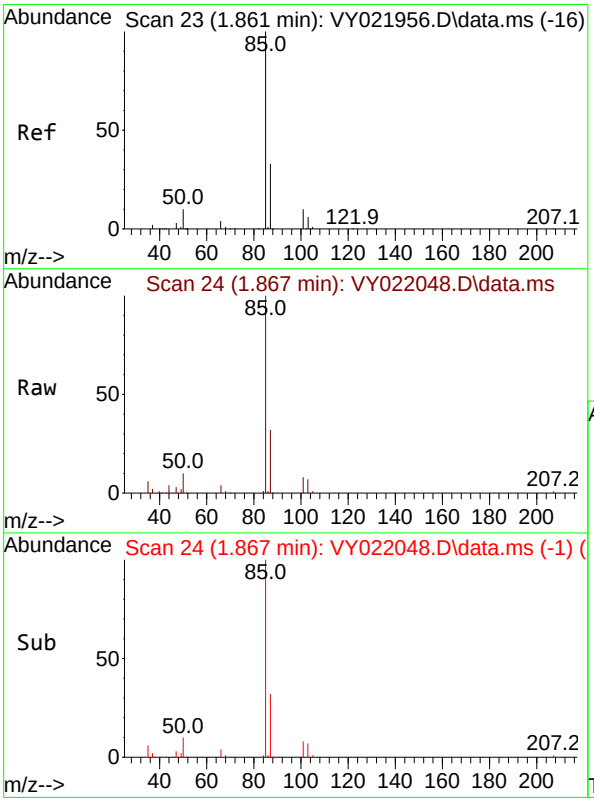
Ion	Ratio	Lower	Upper
168	100		
99	51.3	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
APPROVED

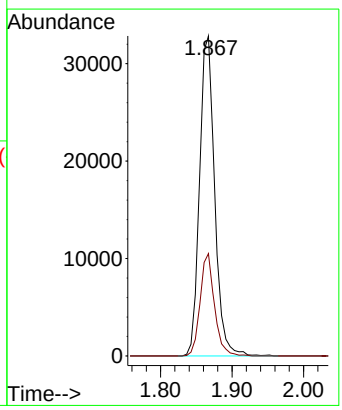
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

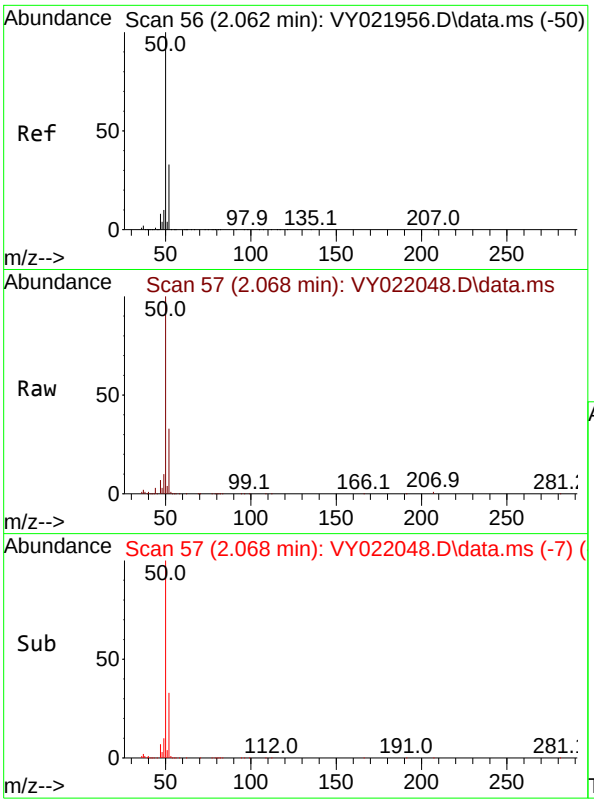


#2
Dichlorodifluoromethane
Concen: 19.235 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 85 Resp: 48376

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.6	49.7

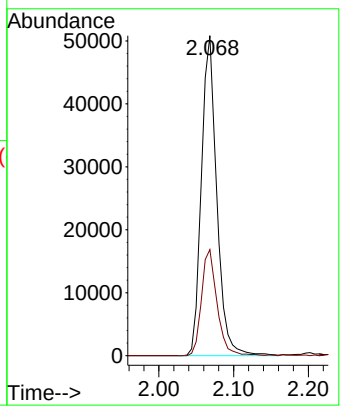




#3
Chloromethane
Concen: 20.285 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 50 Resp: 7264

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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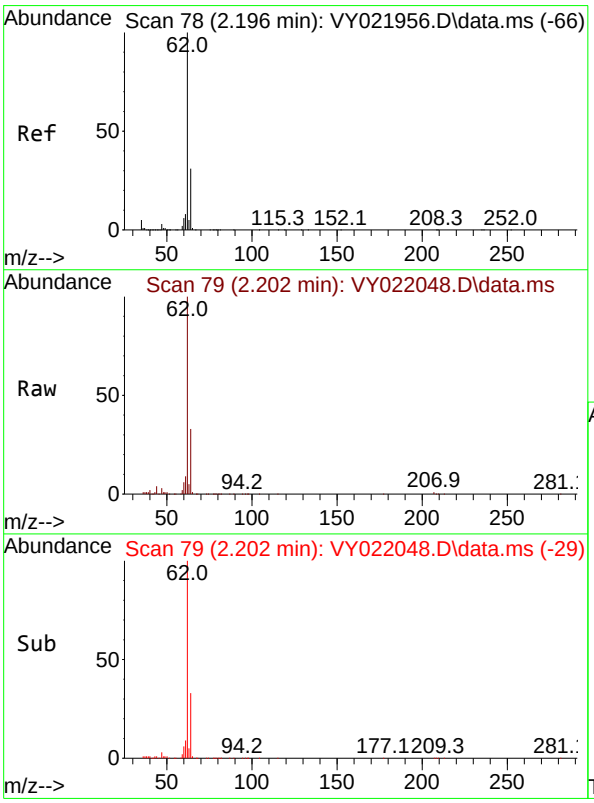
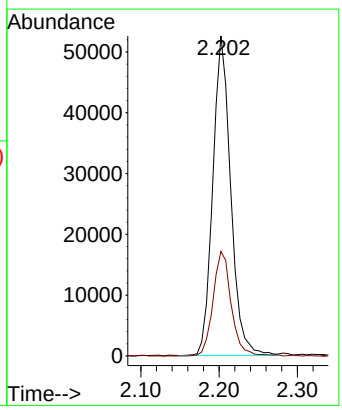
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

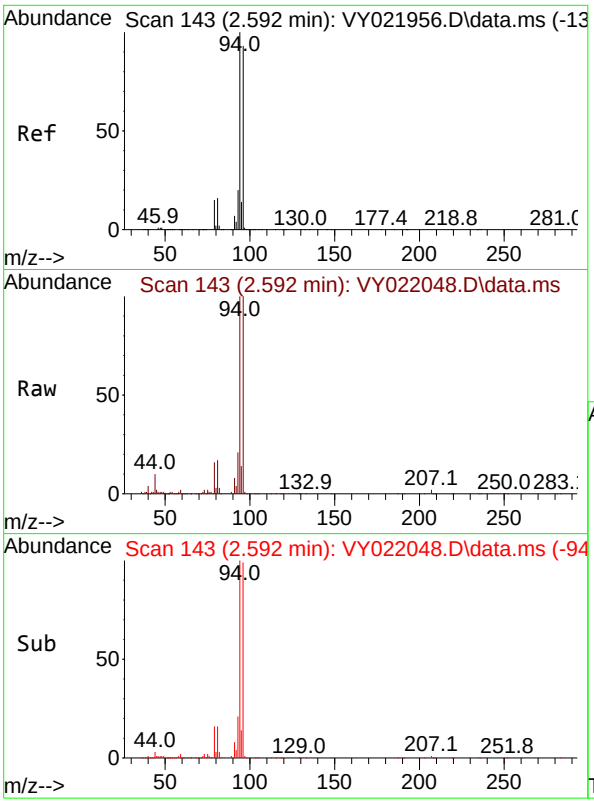


#4
Vinyl Chloride
Concen: 19.026 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 62 Resp: 83728

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.1	37.7

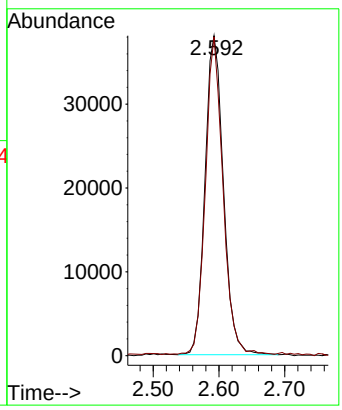




#5
Bromomethane
Concen: 19.513 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 94 Resp: 7398

Ion	Ratio	Lower	Upper
94	100		
96	99.5	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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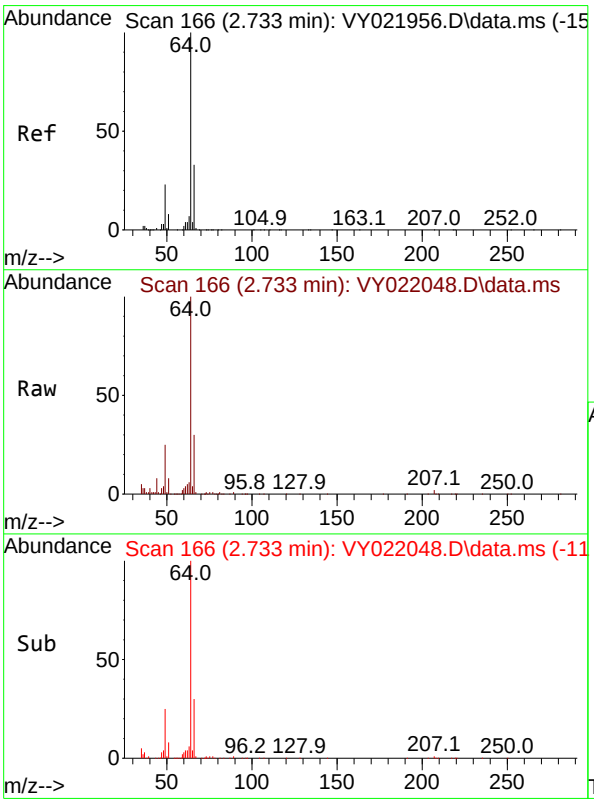
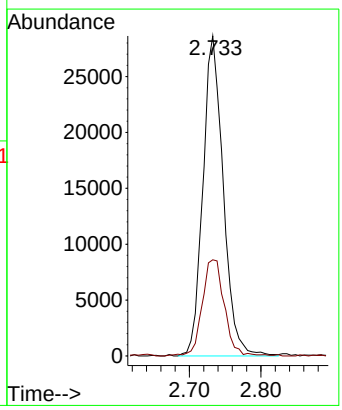
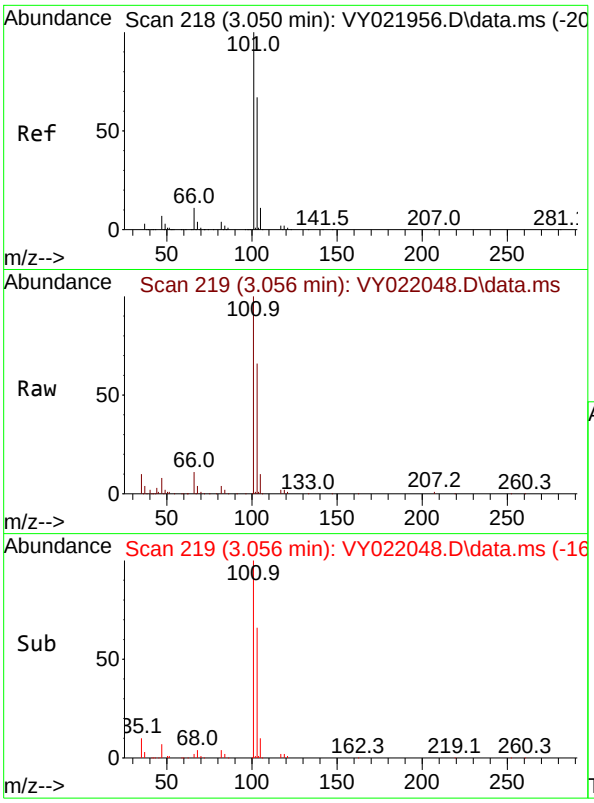


#6
Chloroethane
Concen: 18.877 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 64 Resp: 56577

Ion	Ratio	Lower	Upper
64	100		
66	29.7	26.2	39.4

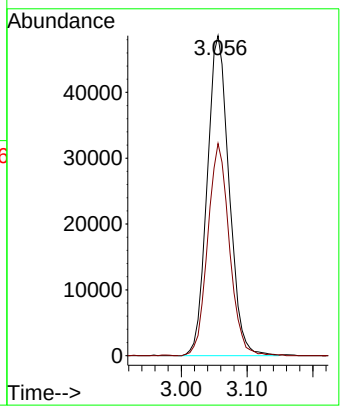




#7
Trichlorofluoromethane
Concen: 19.414 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:101 Resp: 11265

Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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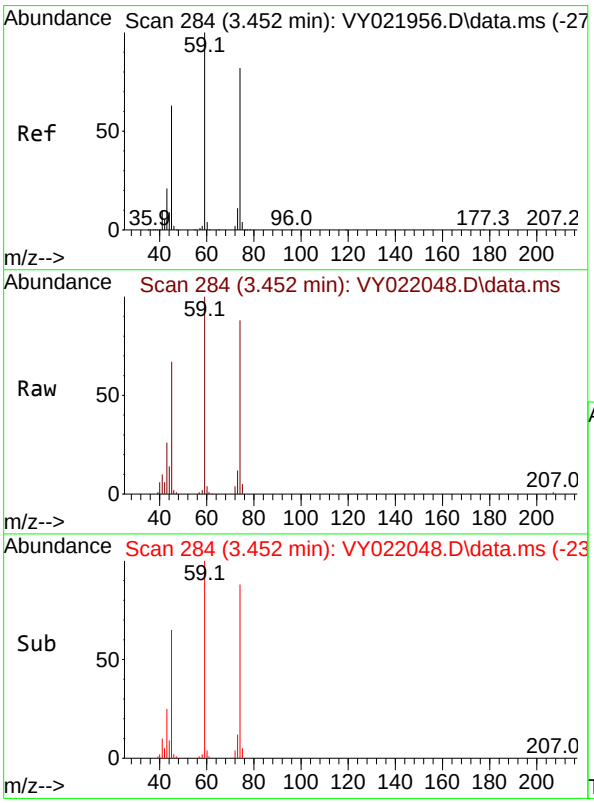
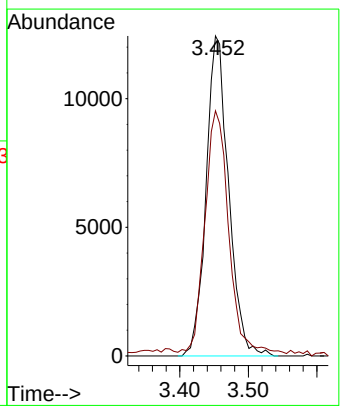
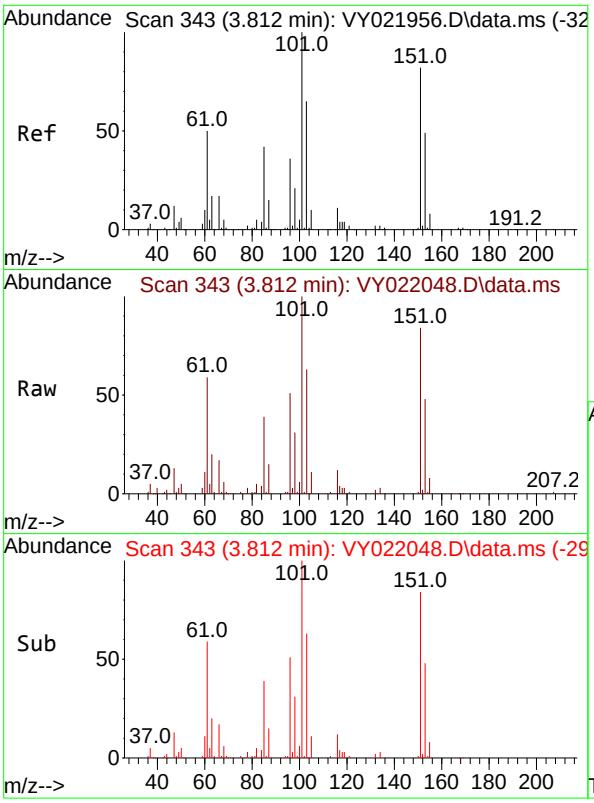


#8
Diethyl Ether
Concen: 18.792 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 74 Resp: 28383

Ion	Ratio	Lower	Upper
74	100		
45	81.1	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.635 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:101 Resp: 6180

Ion	Ratio	Lower	Upper
101	100		
85	41.8	34.6	51.8
151	80.8	63.7	95.5

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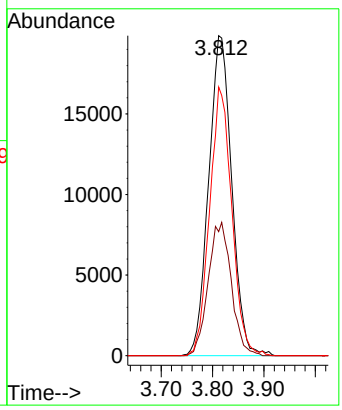
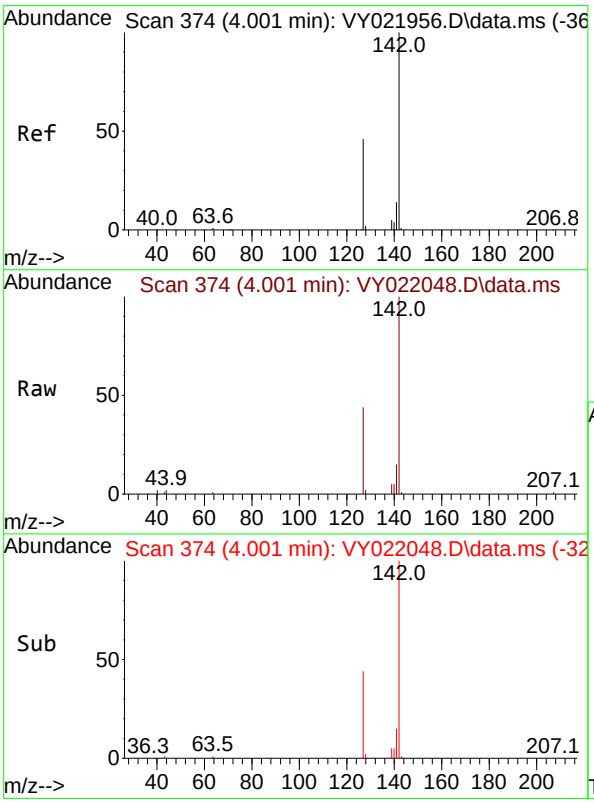
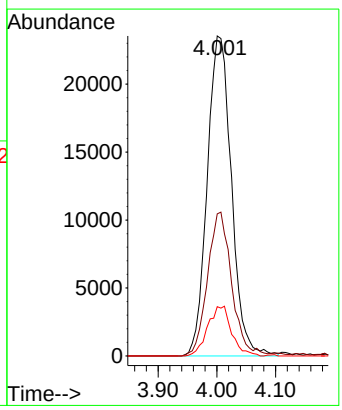


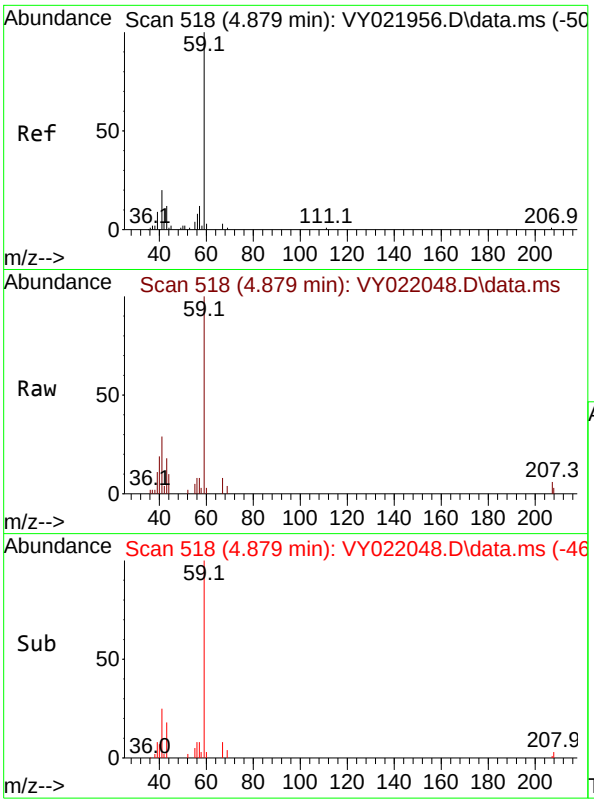


#10
Methyl Iodide
Concen: 18.495 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:142 Resp: 67410

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.2	54.2
141	15.3	11.7	17.5

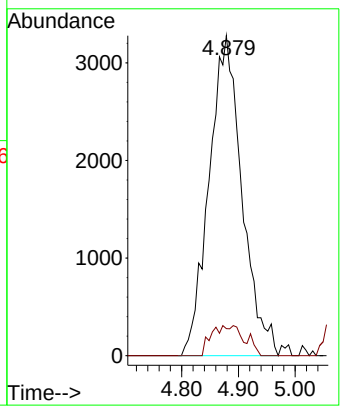




#11
Tert butyl alcohol
Concen: 88.452 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 59 Resp: 1323

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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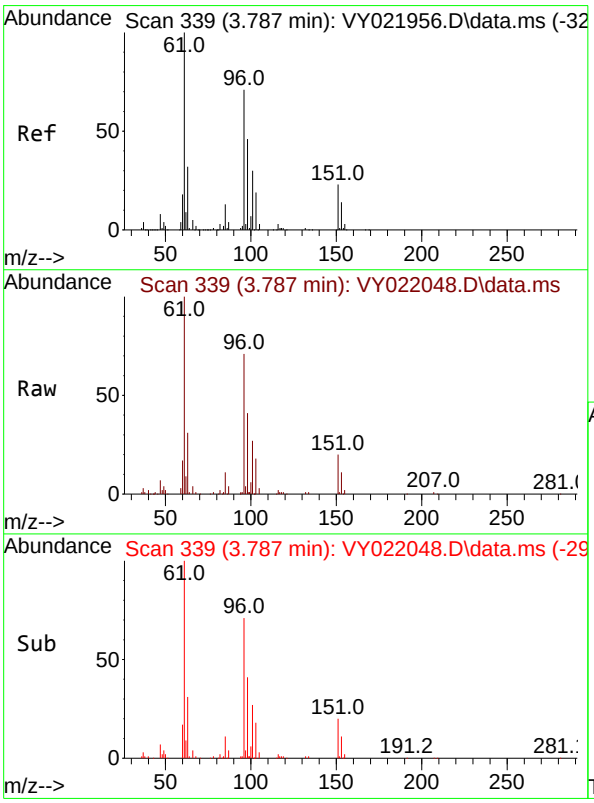
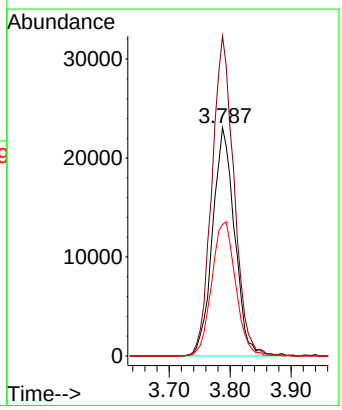
Supervised By :Mahesh Dadoda 04/30/2025

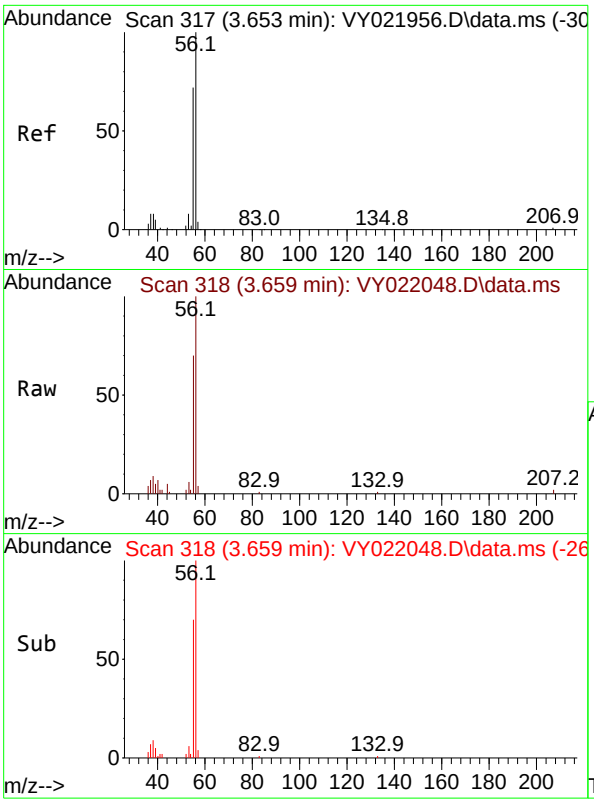


#12
1,1-Dichloroethene
Concen: 19.793 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 96 Resp: 58076

Ion	Ratio	Lower	Upper
96	100		
61	140.2	113.0	169.4
98	57.6	51.4	77.2

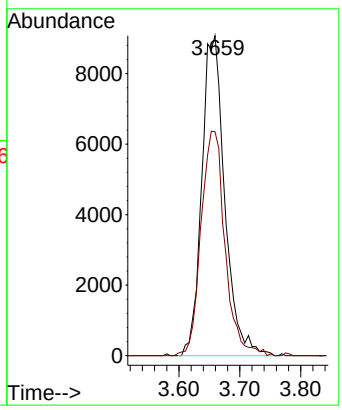




#13
Acrolein
Concen: 88.588 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 56 Resp: 2379

Ion	Ratio	Lower	Upper
56	100		
55	73.0	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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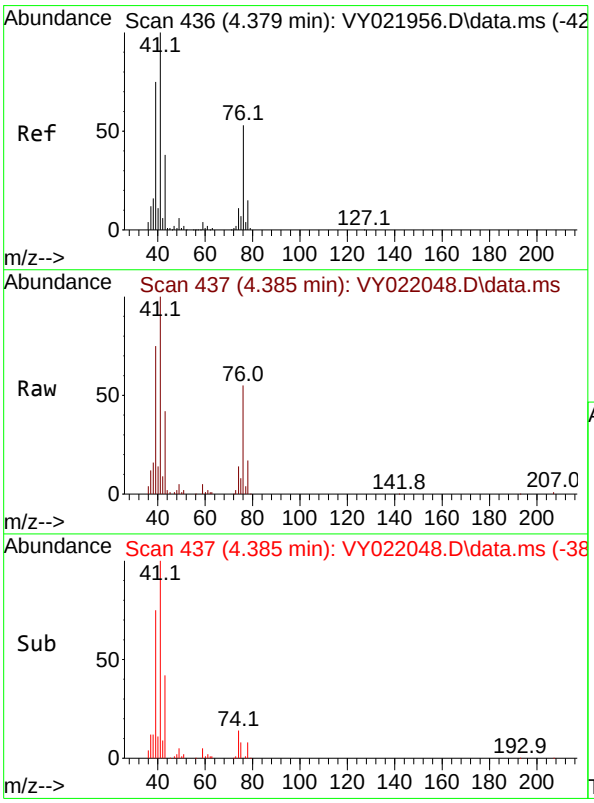
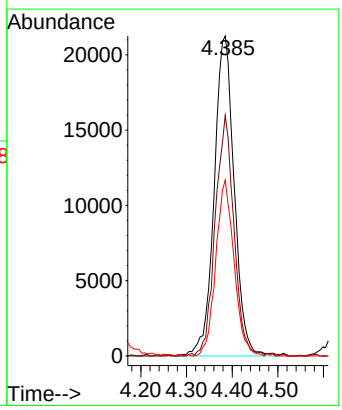
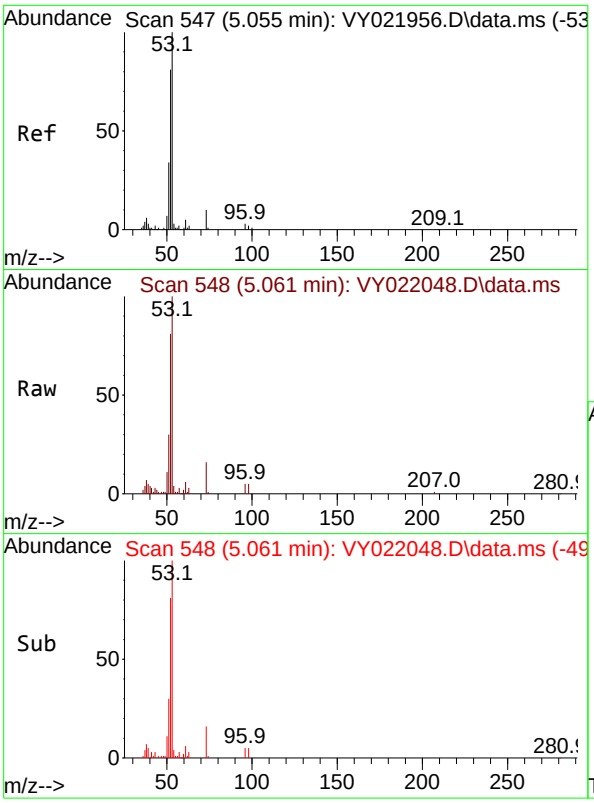


#14
Allyl chloride
Concen: 18.980 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 41 Resp: 64847

Ion	Ratio	Lower	Upper
41	100		
39	69.9	57.2	85.8
76	49.9	39.7	59.5

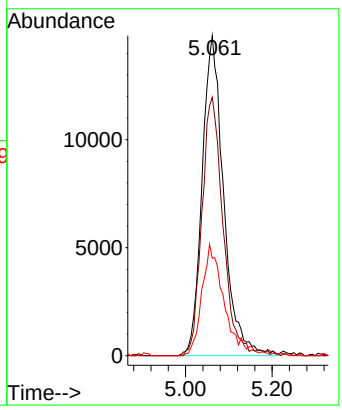




#15
Acrylonitrile
Concen: 92.413 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 53 Resp: 5109

Ion	Ratio	Lower	Upper
53	100		
52	79.3	65.0	97.6
51	35.7	28.9	43.3



Instrument :
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ClientSampleId :
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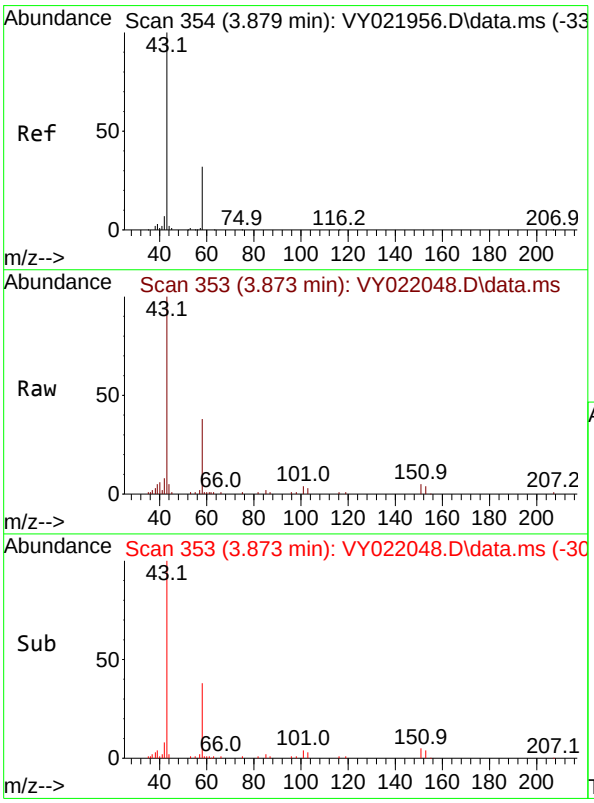
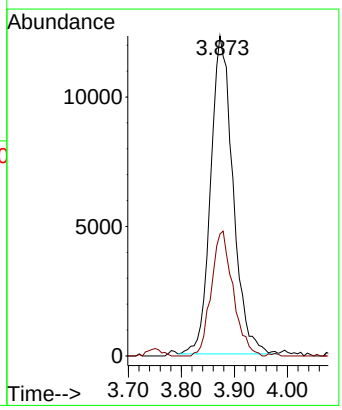
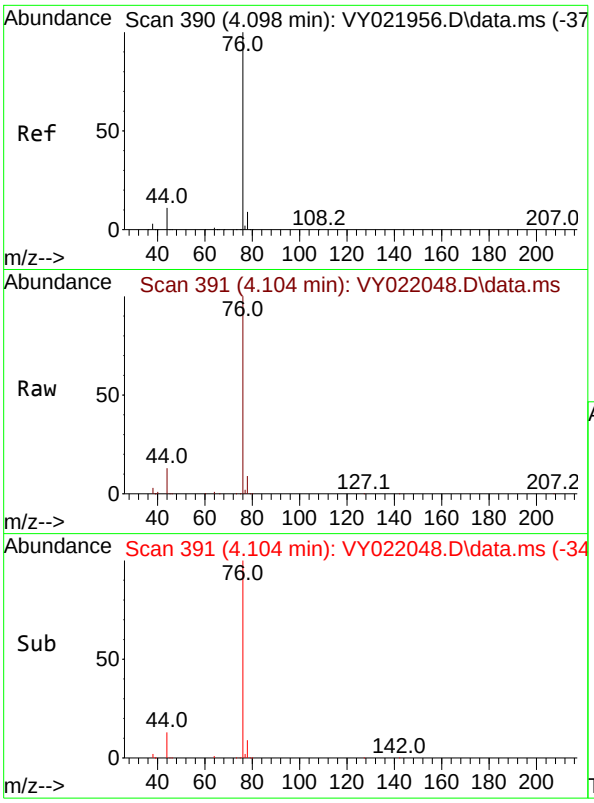


#16
Acetone
Concen: 87.002 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 36017

Ion	Ratio	Lower	Upper
43	100		
58	38.4	27.0	40.4





#17
Carbon Disulfide
Concen: 19.576 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 76 Resp: 18314

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
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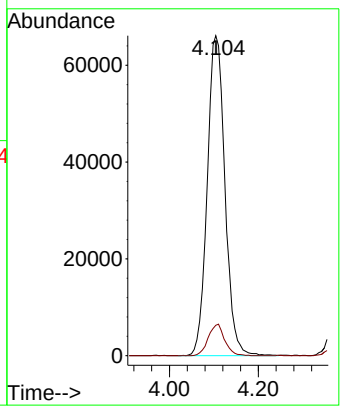
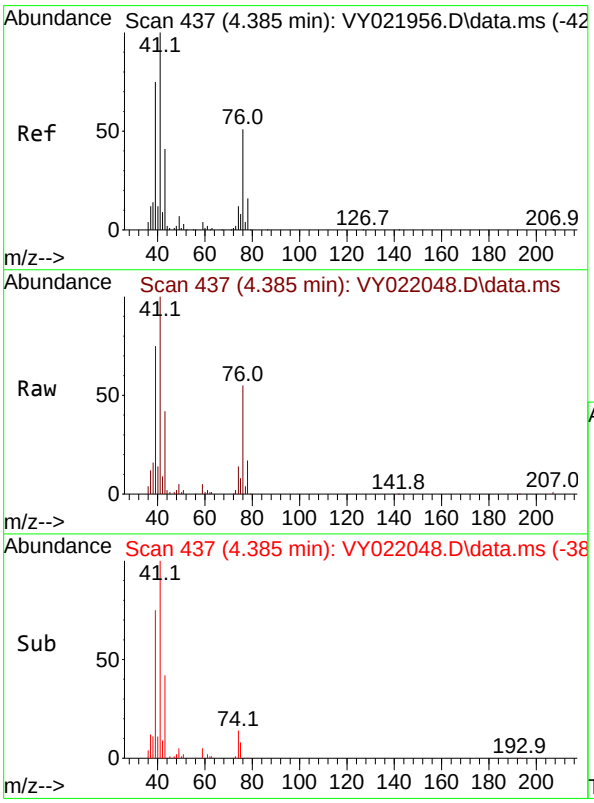
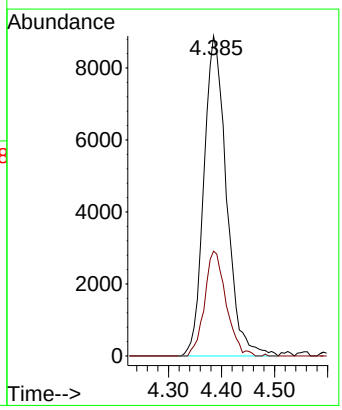


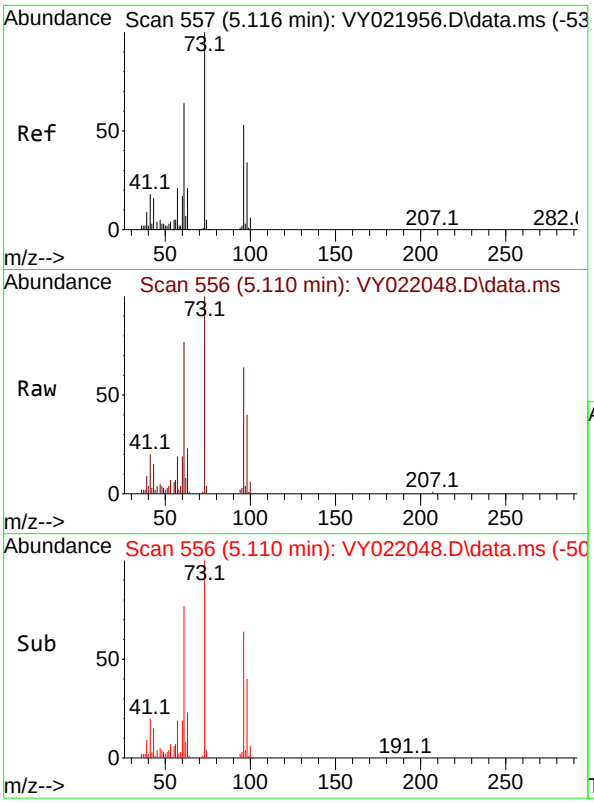


#18
Methyl Acetate
Concen: 20.705 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 26368

Ion	Ratio	Lower	Upper
43	100		
74	31.1	24.2	36.4

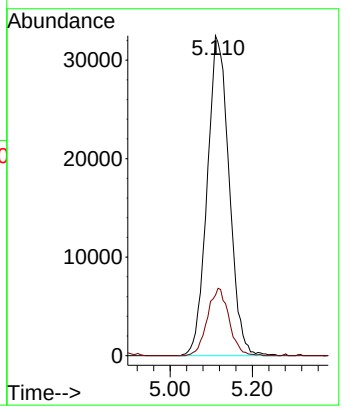




#19
Methyl tert-butyl Ether
Concen: 18.330 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 73 Resp: 12038

Ion	Ratio	Lower	Upper
73	100		
57	18.9	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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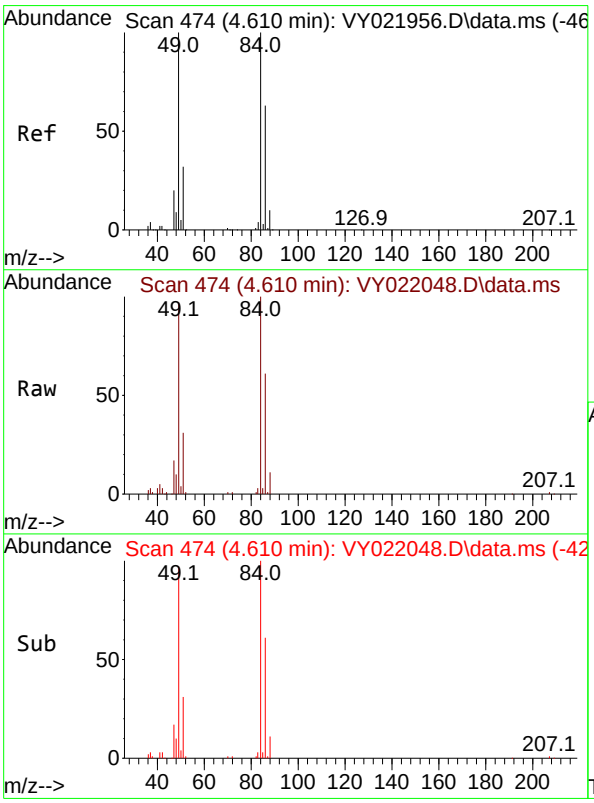
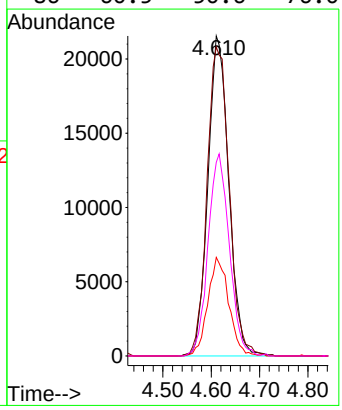
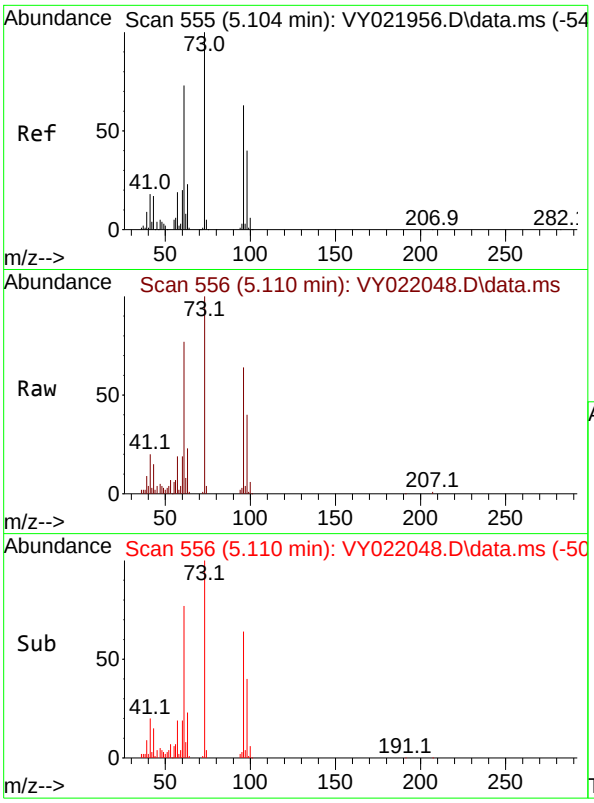


#20
Methylene Chloride
Concen: 18.734 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 84 Resp: 64582

Ion	Ratio	Lower	Upper
84	100		
49	96.5	79.9	119.9
51	30.8	25.4	38.0
86	60.5	50.6	76.0

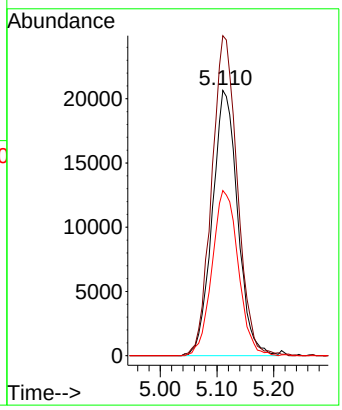




#21
trans-1,2-Dichloroethene
Concen: 19.519 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 96 Resp: 6414

Ion	Ratio	Lower	Upper
96	100		
61	120.6	92.6	138.8
98	62.2	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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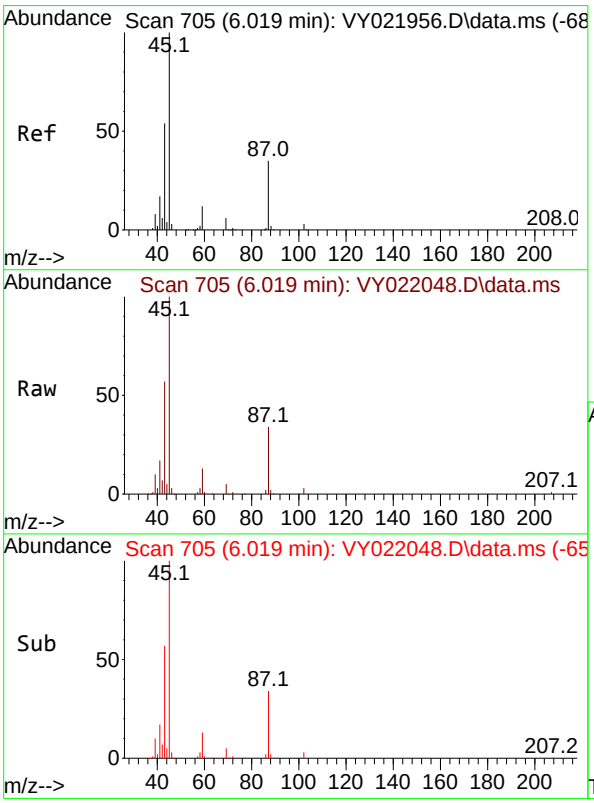
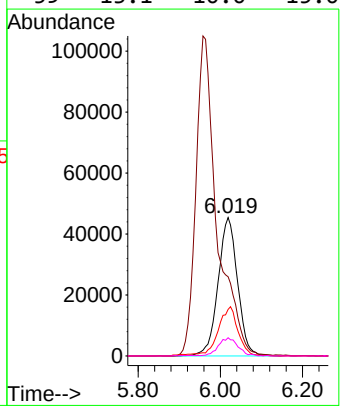
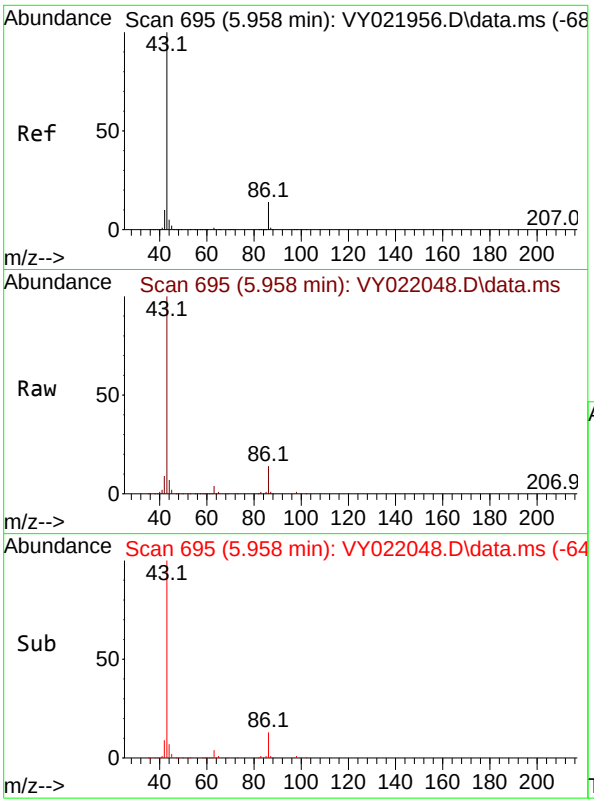


#22
Diisopropyl ether
Concen: 19.653 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 45 Resp: 149424

Ion	Ratio	Lower	Upper
45	100		
43	56.7	43.6	65.4
87	33.6	28.2	42.4
59	13.1	10.0	15.0





#23
Vinyl Acetate
Concen: 91.151 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 37350

Ion	Ratio	Lower	Upper
43	100		
86	13.5	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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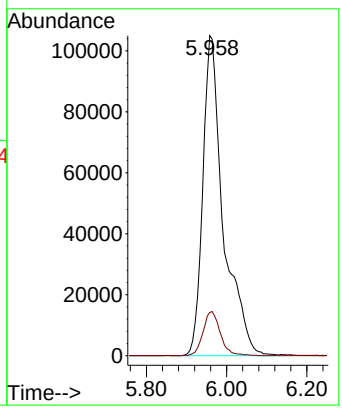
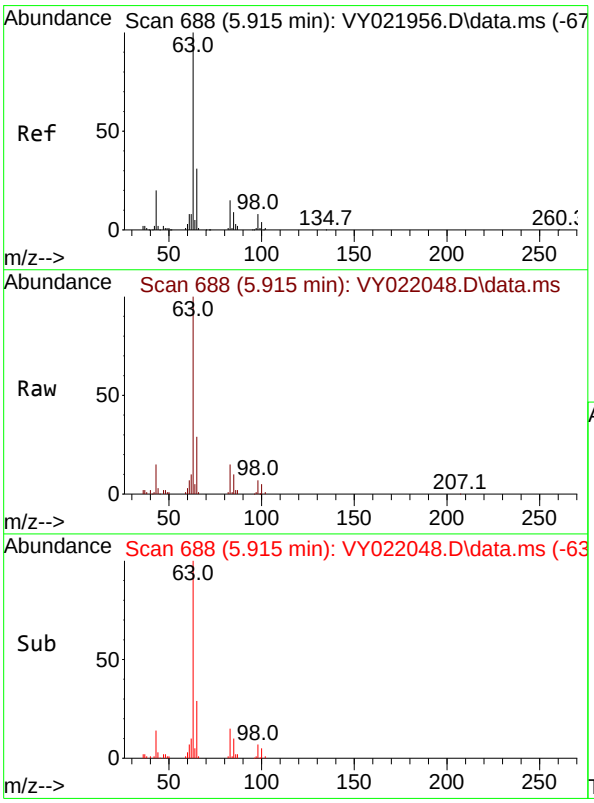
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

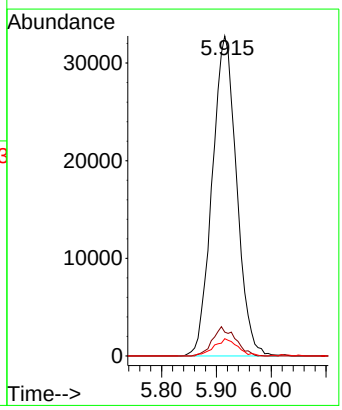


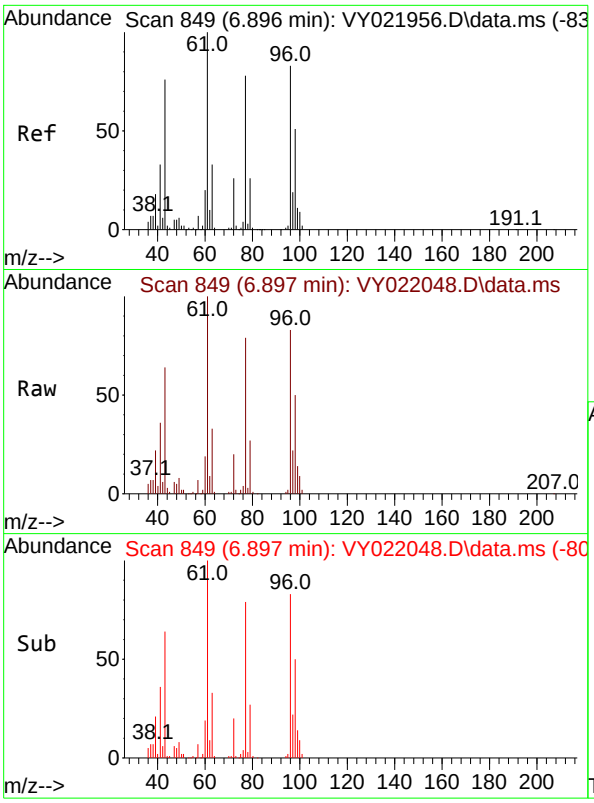


#24
1,1-Dichloroethane
Concen: 19.263 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 63 Resp: 101522

Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.0	11.9
100	5.4	2.0	6.0





#25
2-Butanone
Concen: 88.358 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 5491

Ion	Ratio	Lower	Upper
43	100		
72	31.8	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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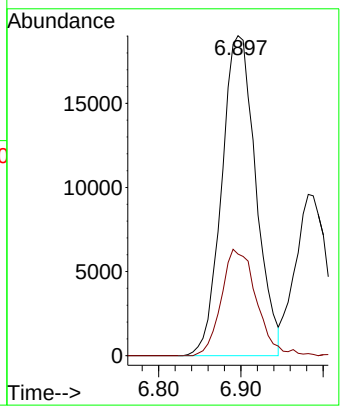
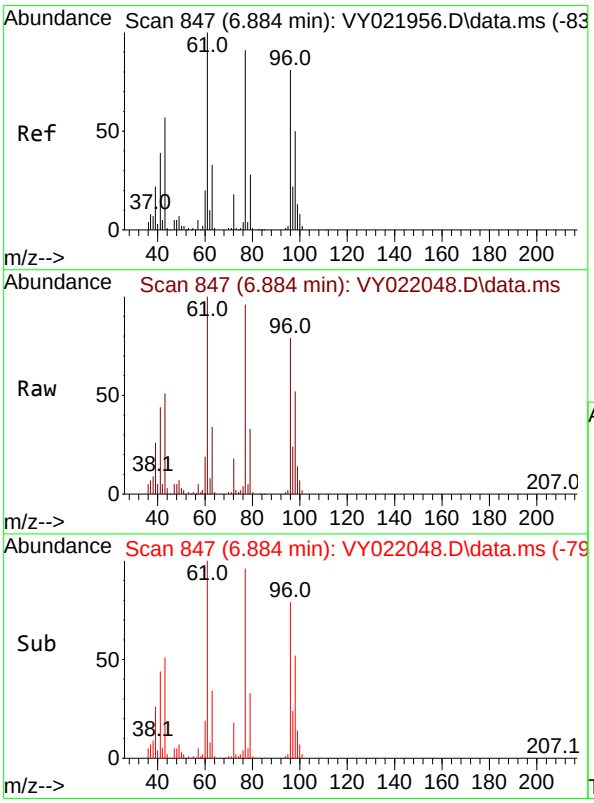
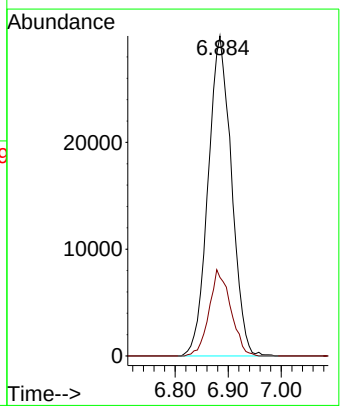


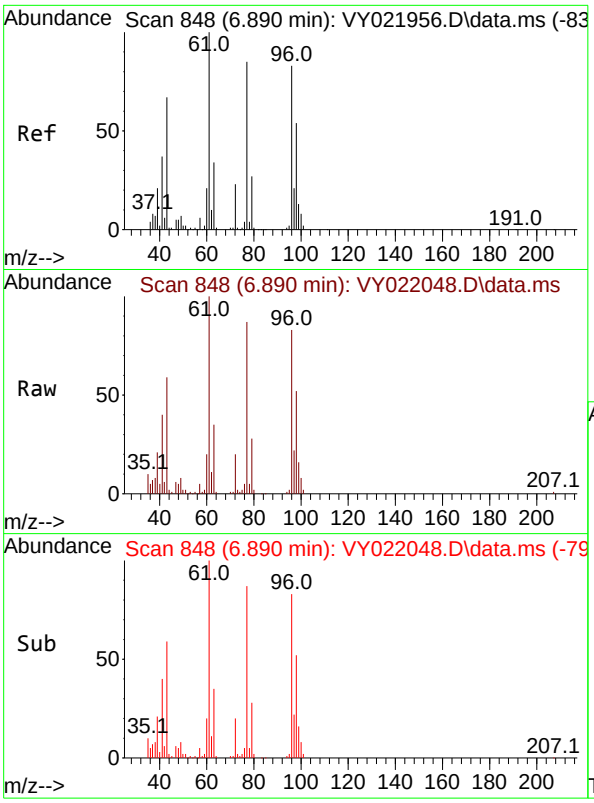


#26
2,2-Dichloropropane
Concen: 19.830 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 77 Resp: 91600

Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 19.606 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 96 Resp: 7203

Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	251.4
98	63.7	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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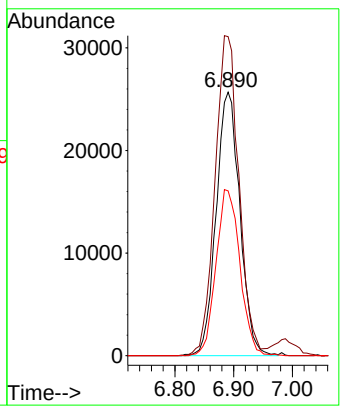
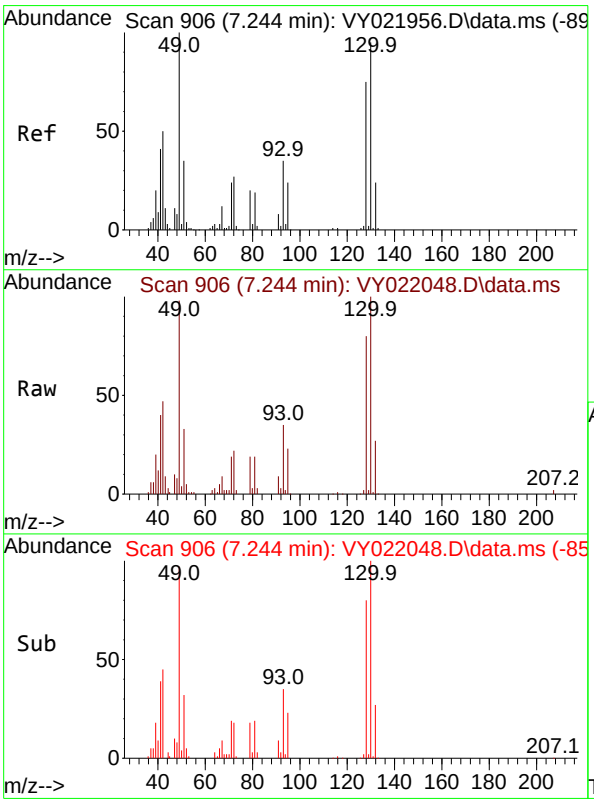
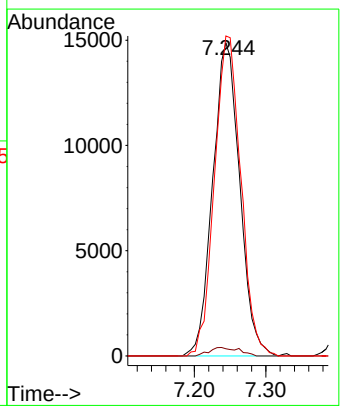


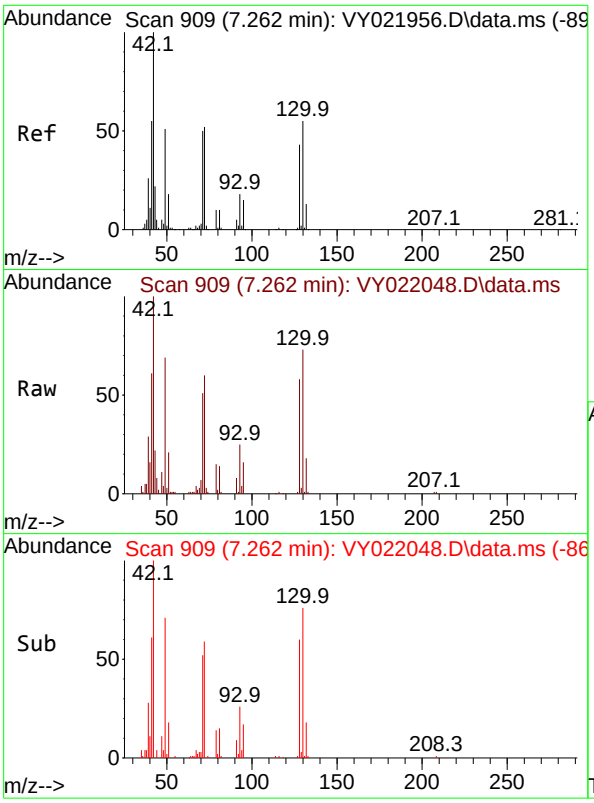


#28
Bromochloromethane
Concen: 19.066 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 49 Resp: 39029

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	99.7	78.2	117.4

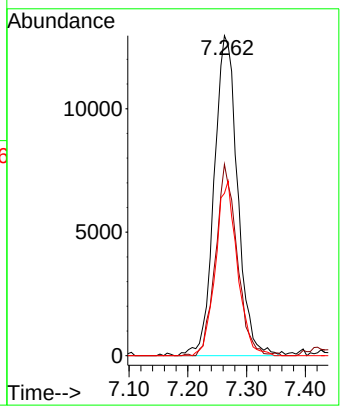




#29
Tetrahydrofuran
Concen: 88.815 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 42 Resp: 3584

Ion	Ratio	Lower	Upper
42	100		
72	54.8	42.6	63.8
71	51.0	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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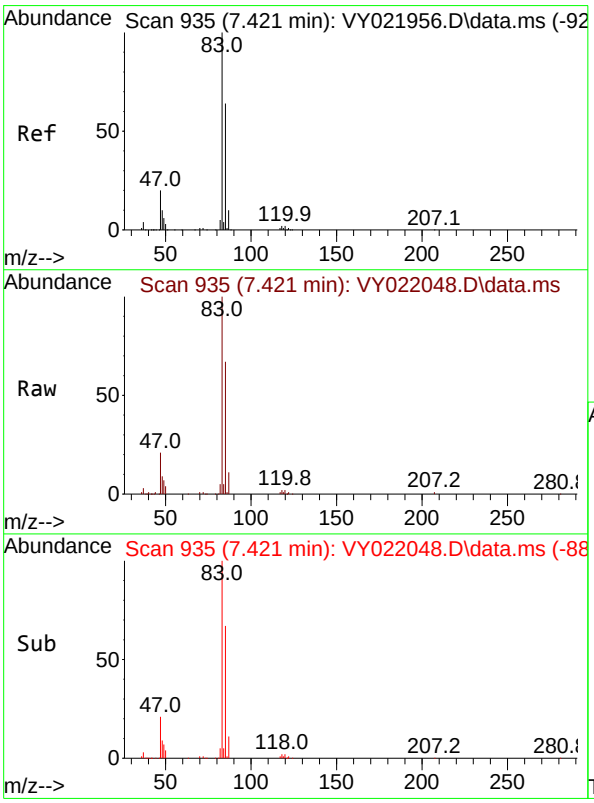
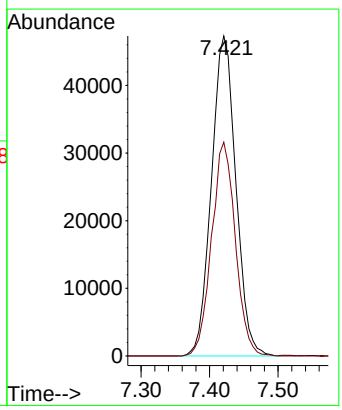
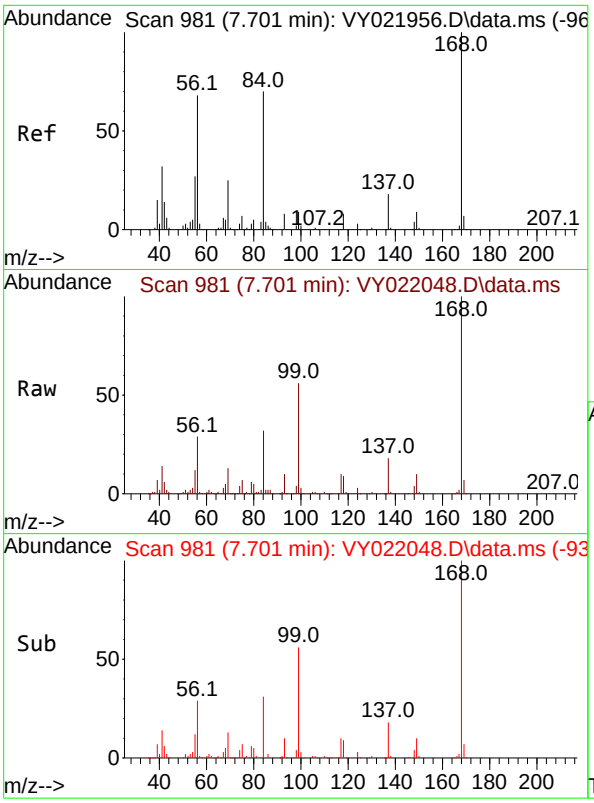


#30
Chloroform
Concen: 20.020 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 83 Resp: 117036

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.3	76.9





#31
Cyclohexane
Concen: 18.687 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 56 Resp: 8422

Ion	Ratio	Lower	Upper
56	100		
69	43.1	29.4	44.2
84	106.1	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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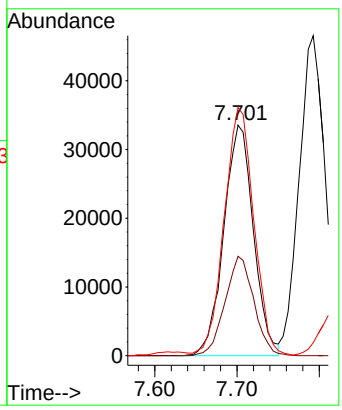
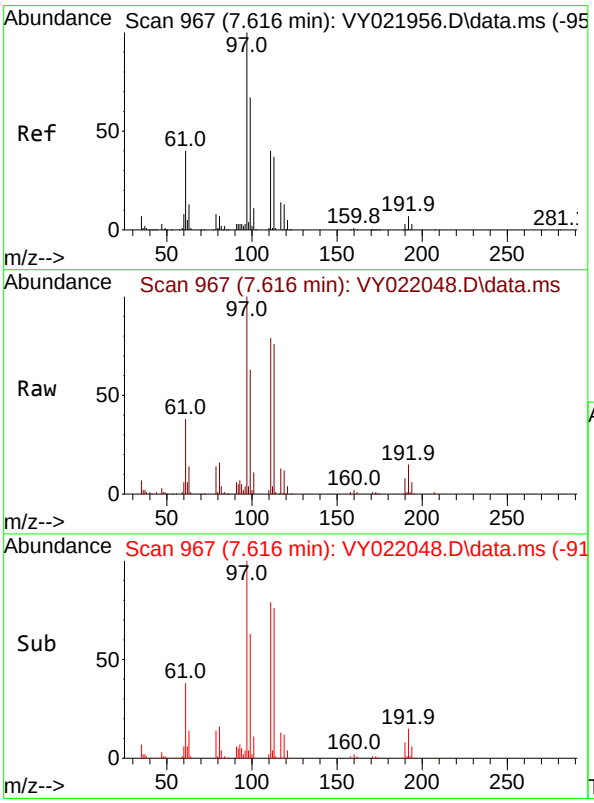
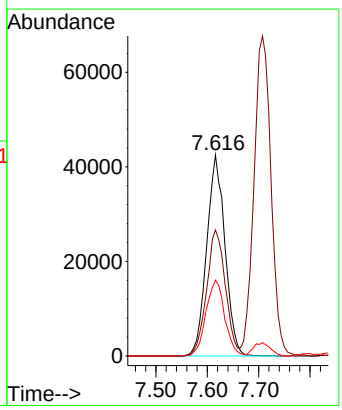


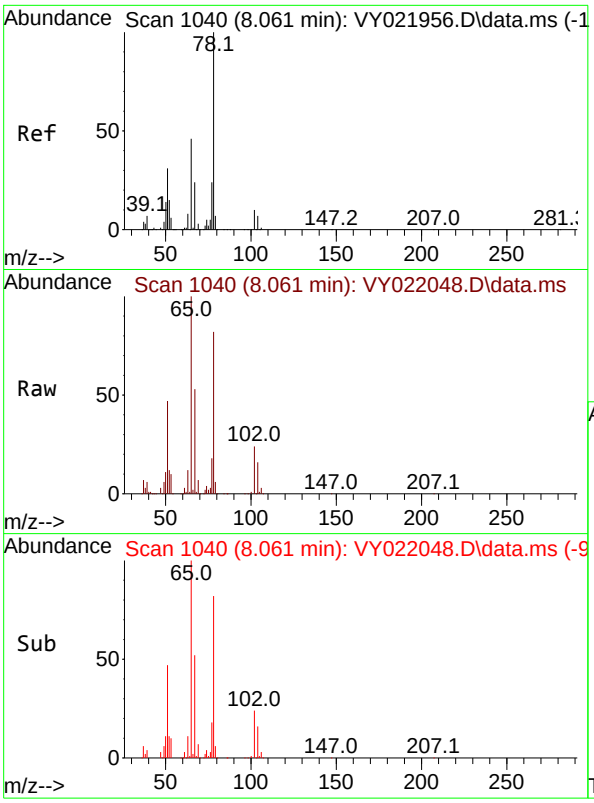


#32
1,1,1-Trichloroethane
Concen: 19.880 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 97 Resp: 105143

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	38.7	31.4	47.2

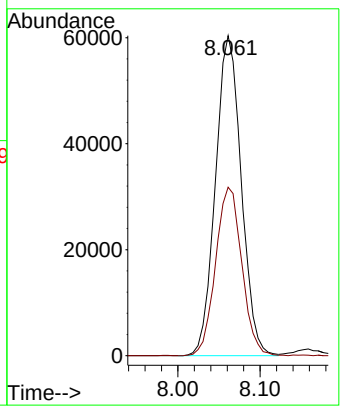




#33
1,2-Dichloroethane-d4
Concen: 48.350 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 65 Resp: 13181

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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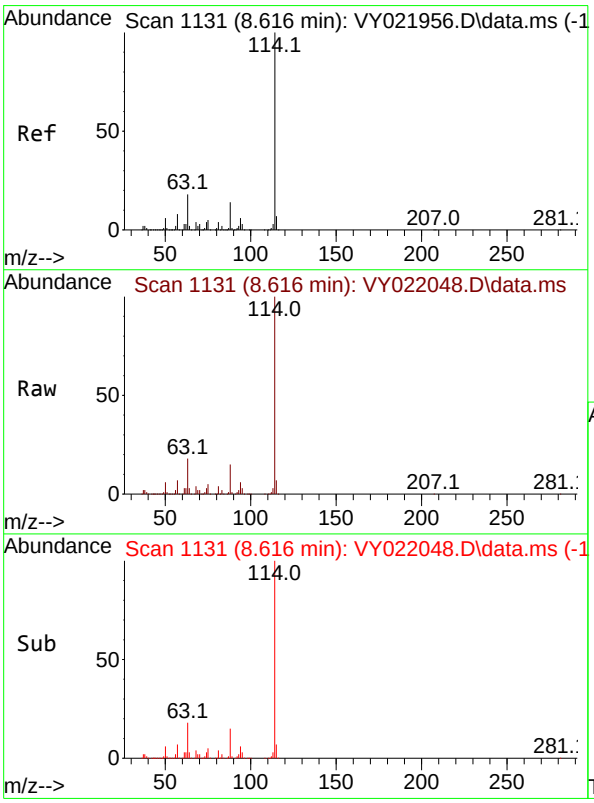
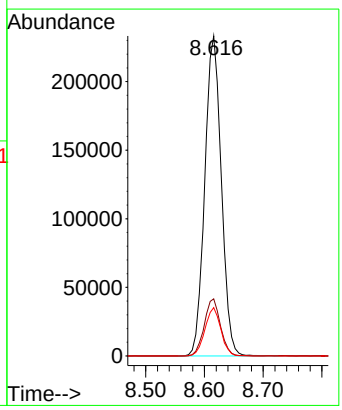
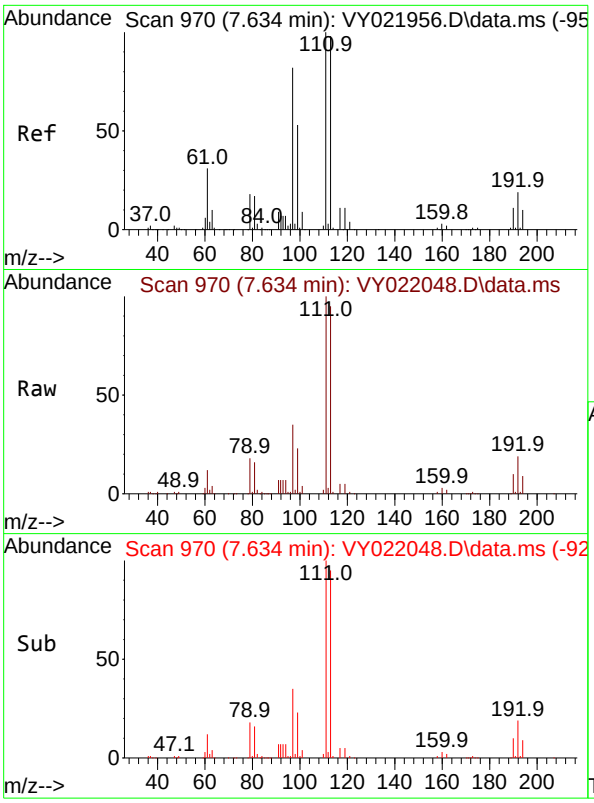


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:114 Resp: 455592

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	15.1	0.0	28.2

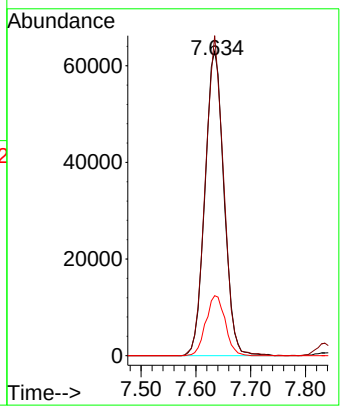




#35
Dibromofluoromethane
Concen: 50.166 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:113 Resp: 15099

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	20.1	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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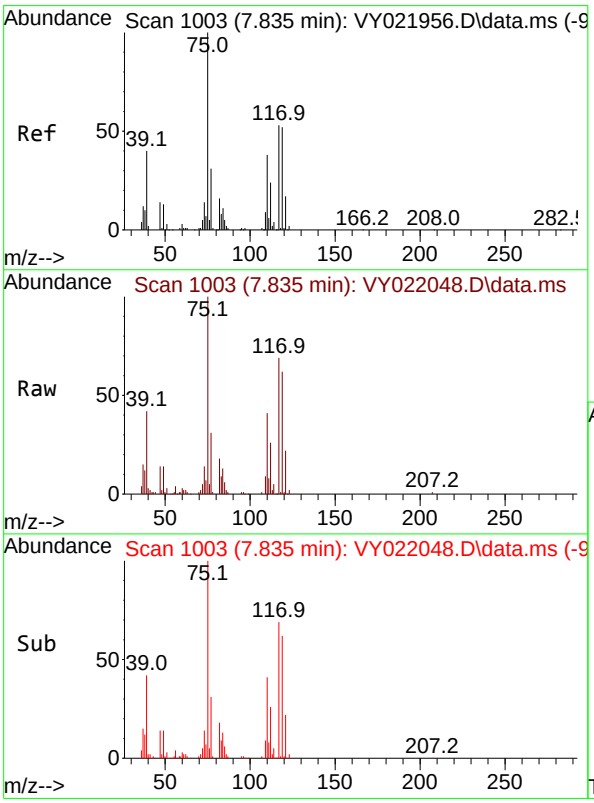
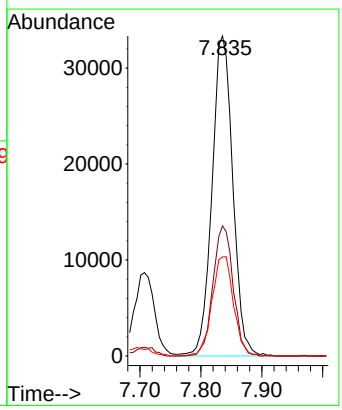
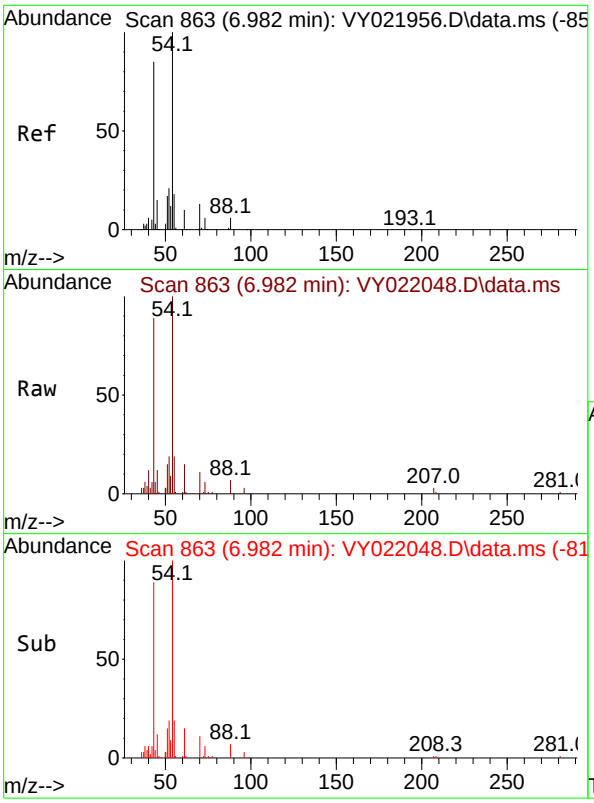


#36
1,1-Dichloropropene
Concen: 19.558 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 79075

Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.1	57.3
77	32.2	25.5	38.3





#37
Ethyl Acetate
Concen: 18.338 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 2662

Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.6
70	13.0	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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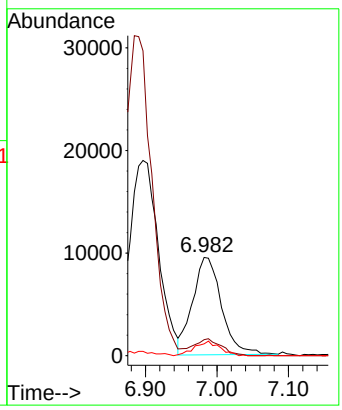
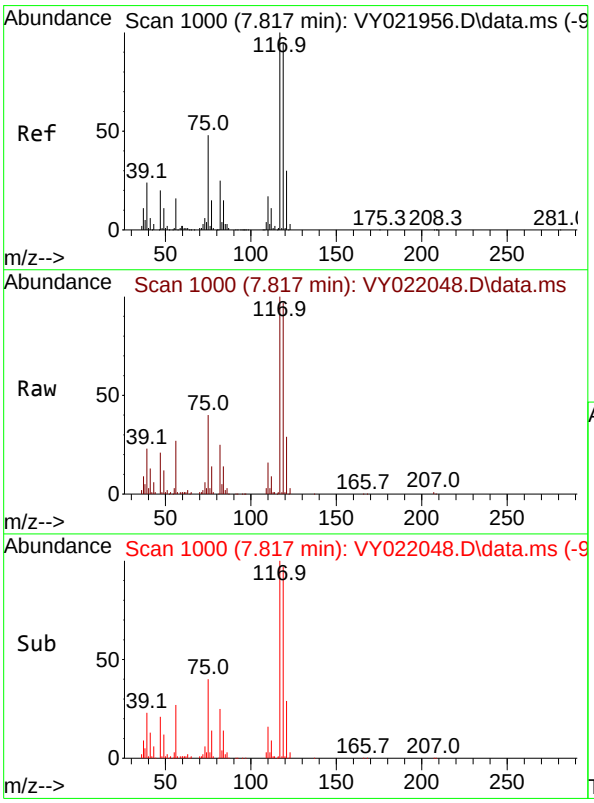
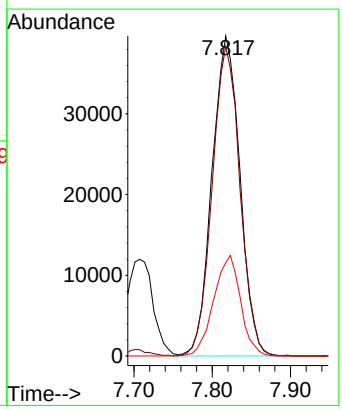


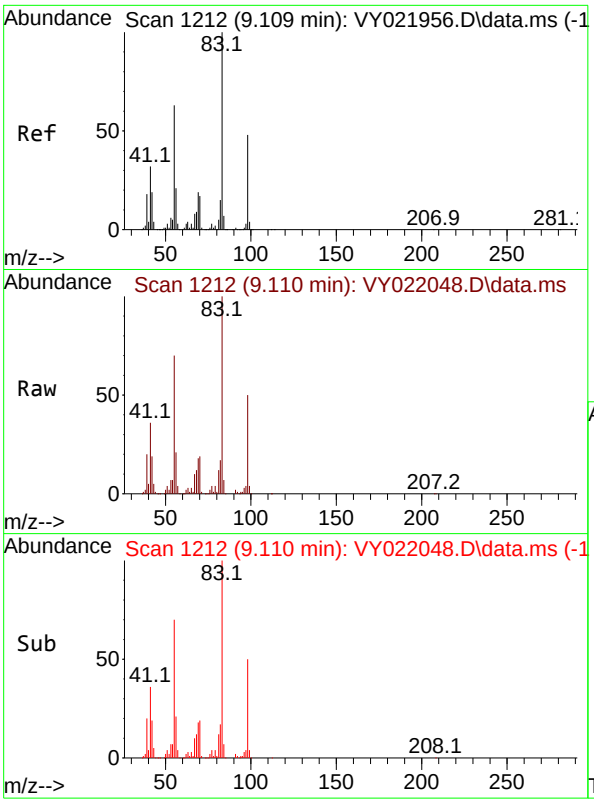


#38
Carbon Tetrachloride
Concen: 20.330 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:117 Resp: 98218

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.4
121	29.1	24.0	36.0





#39
Methylcyclohexane
Concen: 18.187 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 83 Resp: 9253

Ion	Ratio	Lower	Upper
83	100		
55	70.1	50.6	75.8
98	49.8	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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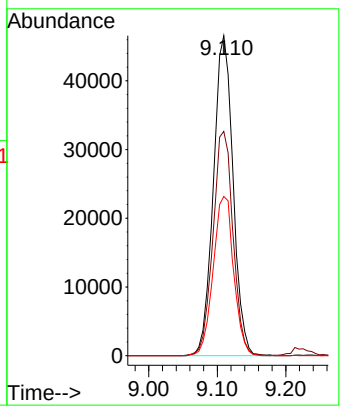
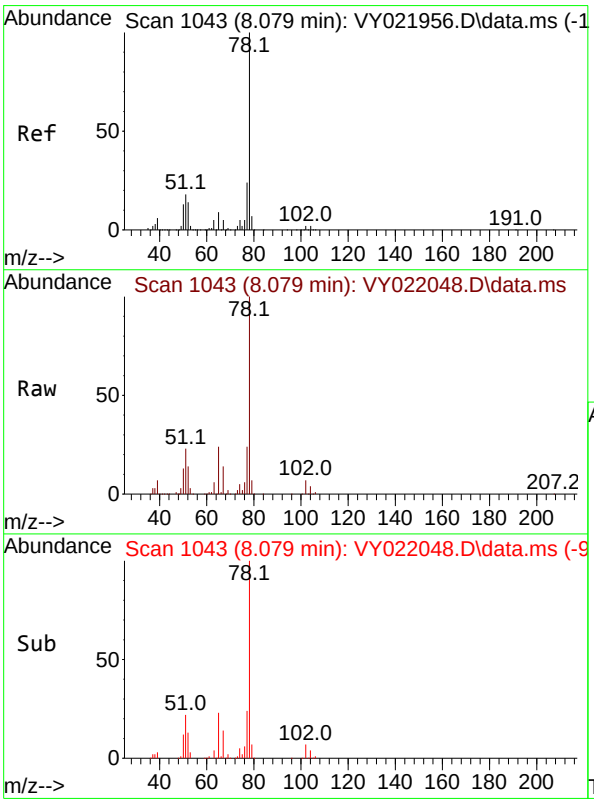
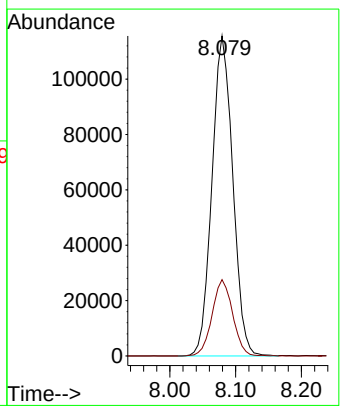


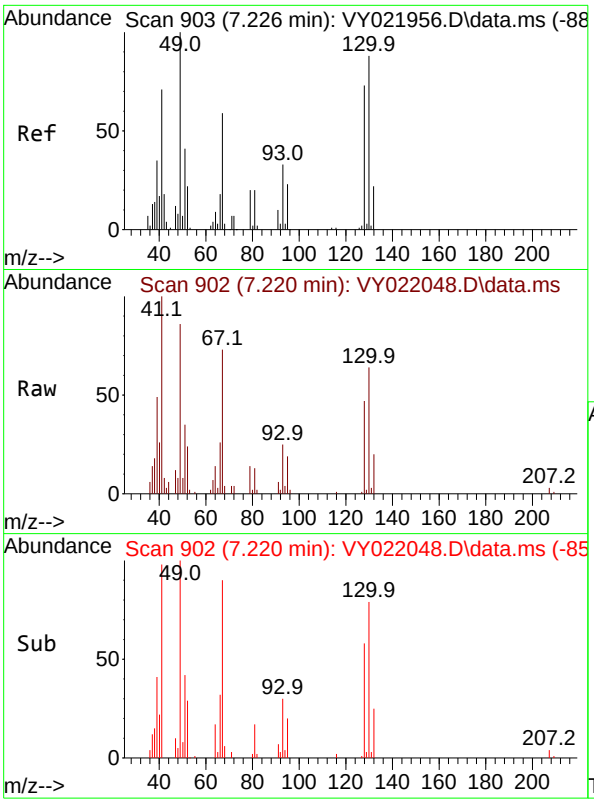


#40
Benzene
Concen: 20.158 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 78 Resp: 254772

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9

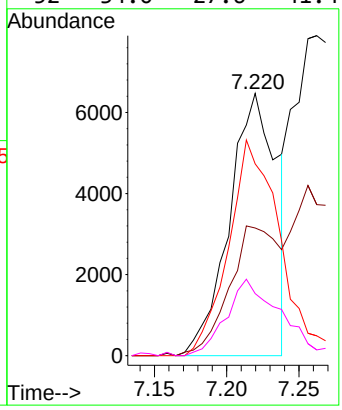




#41
Methacrylonitrile
Concen: 18.571 ug/l m
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 41 Resp: 1474

Ion	Ratio	Lower	Upper
41	100		
39	52.0	36.6	55.0
67	88.7	72.2	108.4
52	34.0	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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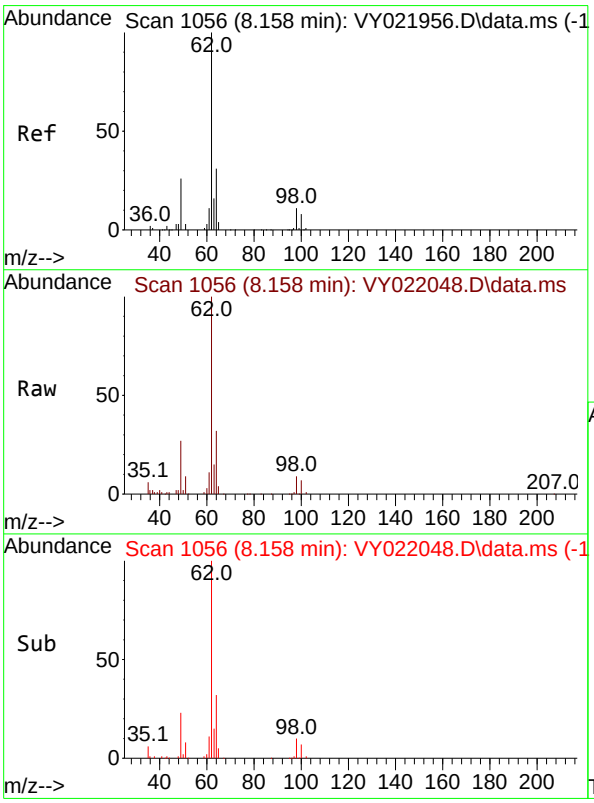
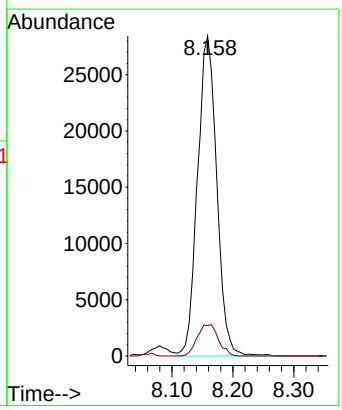
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

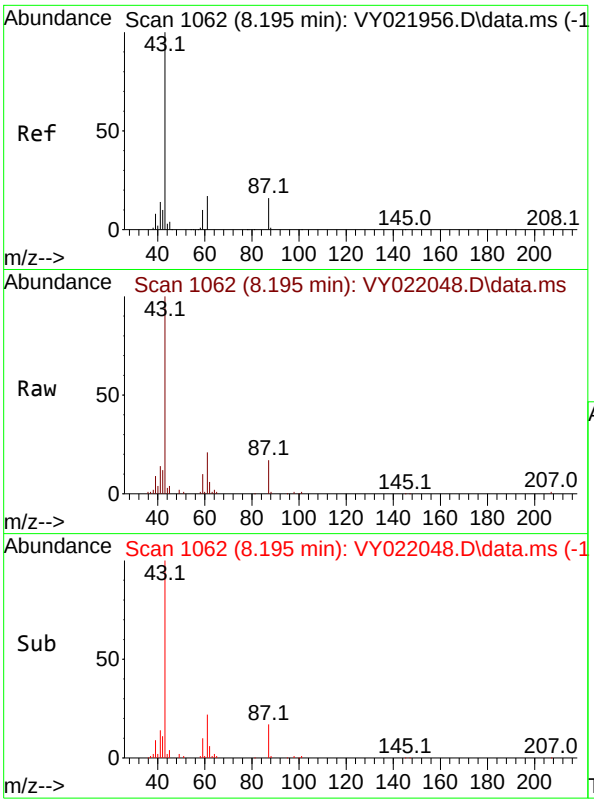


#42
1,2-Dichloroethane
Concen: 19.929 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 62 Resp: 62360

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0





#43
Isopropyl Acetate
Concen: 18.193 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 5073

Ion	Ratio	Lower	Upper
43	100		
61	21.9	18.9	28.3
87	17.2	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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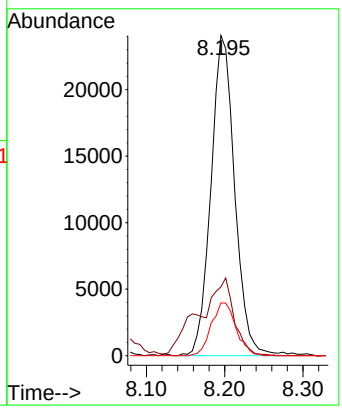
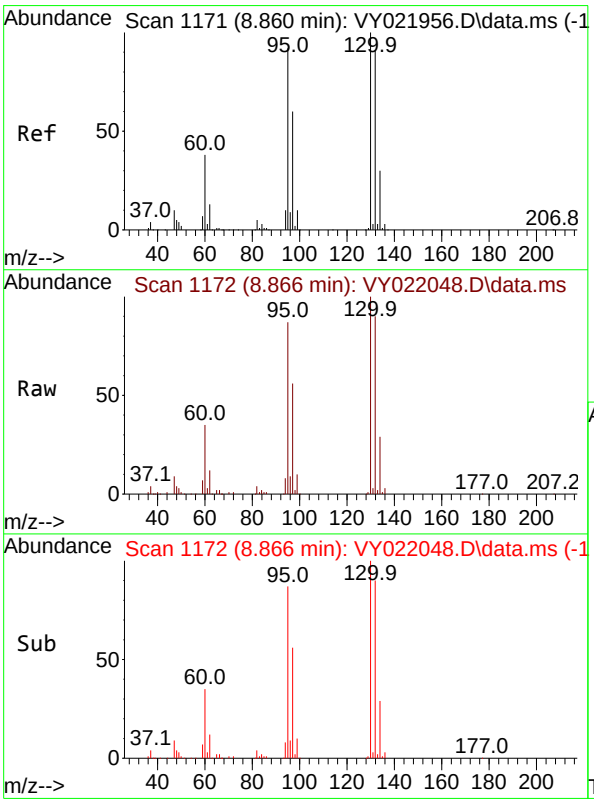
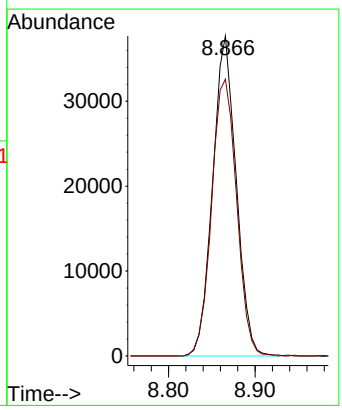


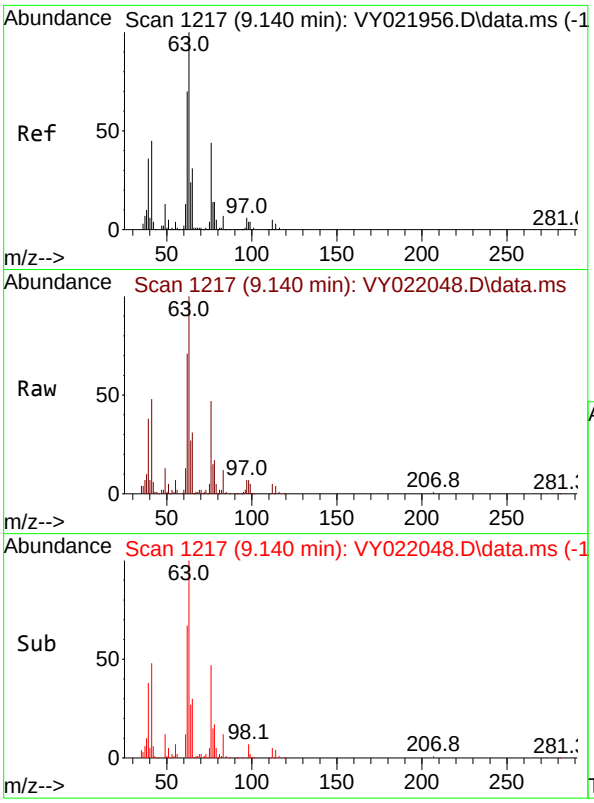


#44
Trichloroethene
Concen: 20.290 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:130 Resp: 71028

Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	183.2





#45
1,2-Dichloropropane
Concen: 20.194 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 63 Resp: 5644

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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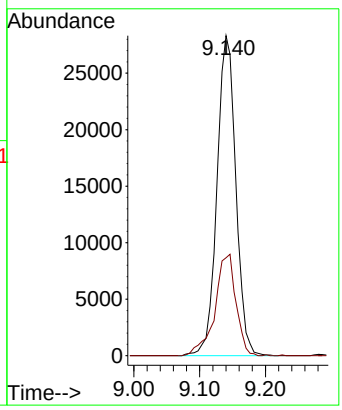
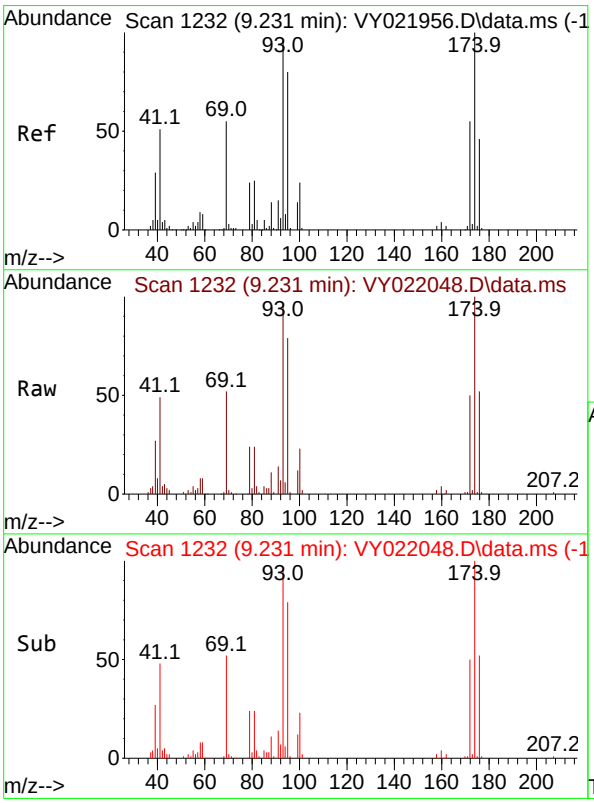
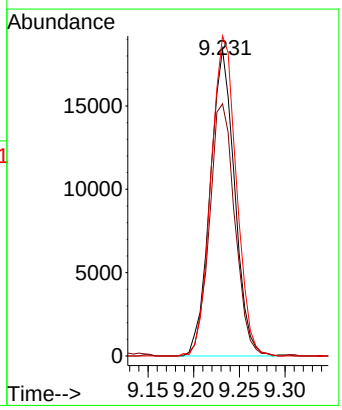


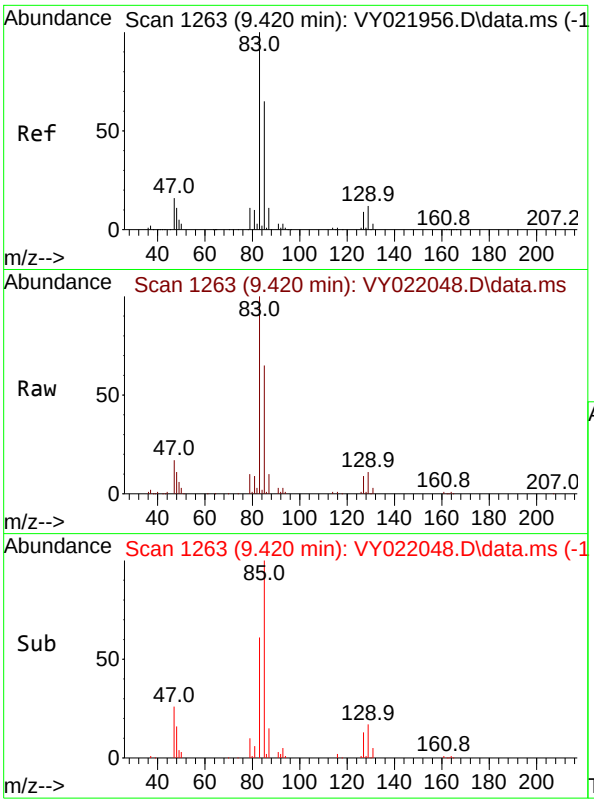


#46
Dibromomethane
Concen: 19.593 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 93 Resp: 34280

Ion	Ratio	Lower	Upper
93	100		
95	85.0	66.7	100.1
174	108.0	84.6	127.0

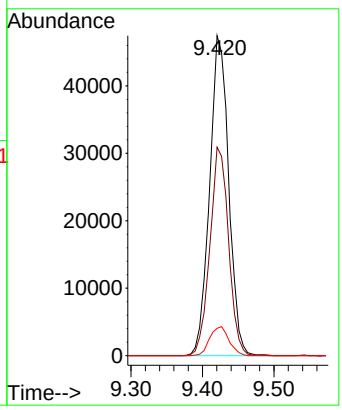




#47
Bromodichloromethane
Concen: 20.067 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 83 Resp: 8771

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8
127	8.5	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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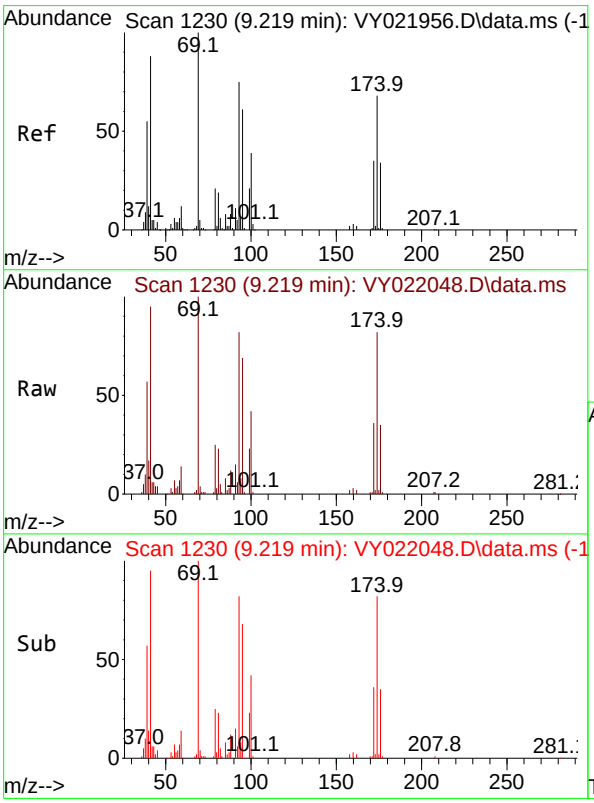
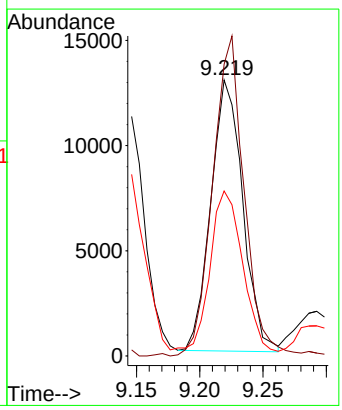
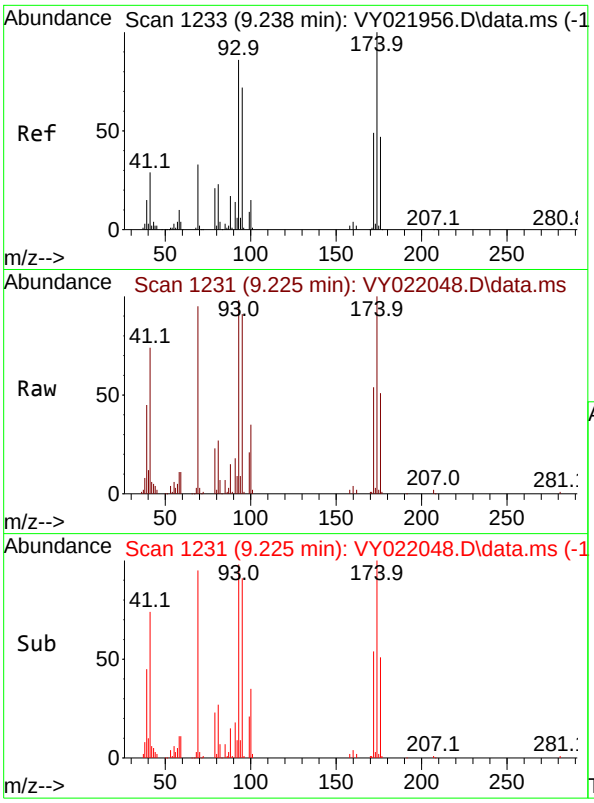


#48
Methyl methacrylate
Concen: 17.533 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 41 Resp: 22602

Ion	Ratio	Lower	Upper
41	100		
69	117.1	85.5	128.3
39	59.4	46.2	69.4





#49
1,4-Dioxane
Concen: 355.374 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 88 Resp: 662

Ion	Ratio	Lower	Upper
88	100		
43	30.6	21.3	31.9
58	56.9	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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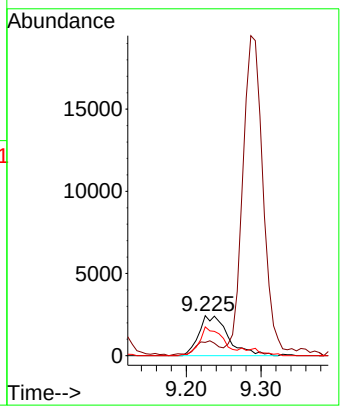
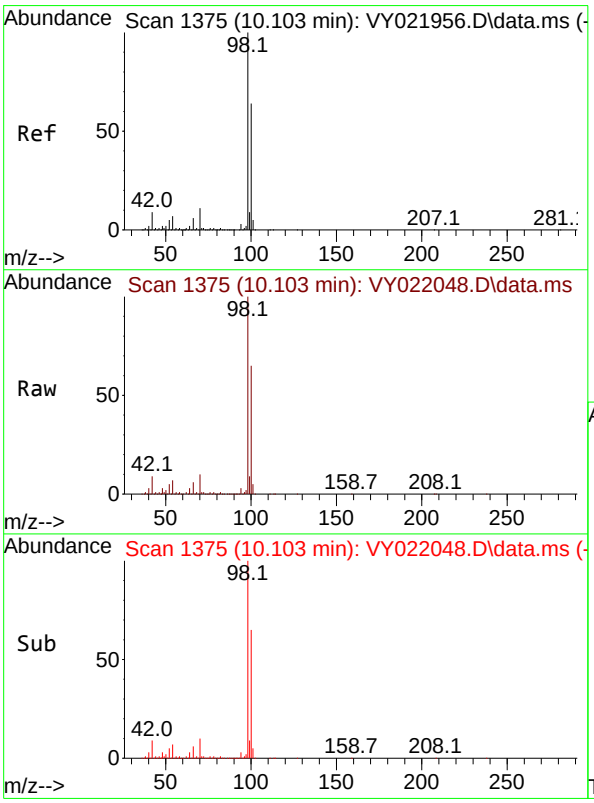
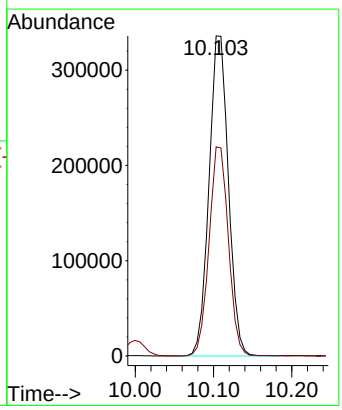


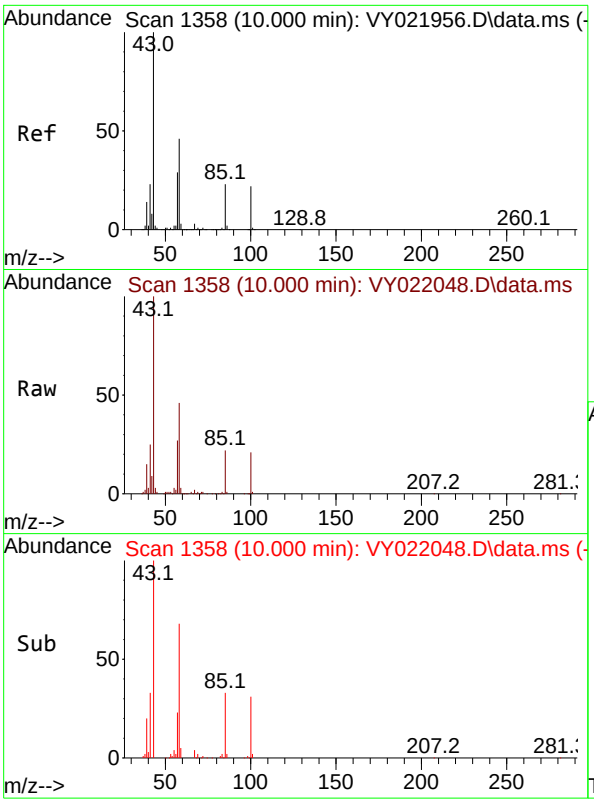


#50
Toluene-d8
Concen: 50.927 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 98 Resp: 577886

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 91.148 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 13324

Ion	Ratio	Lower	Upper
43	100		
58	45.6	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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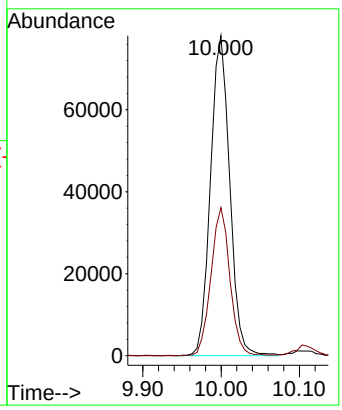
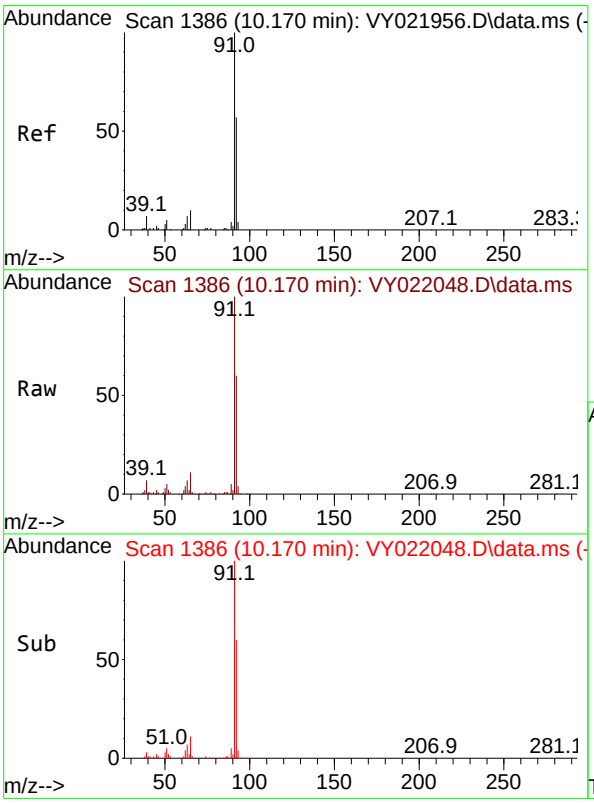
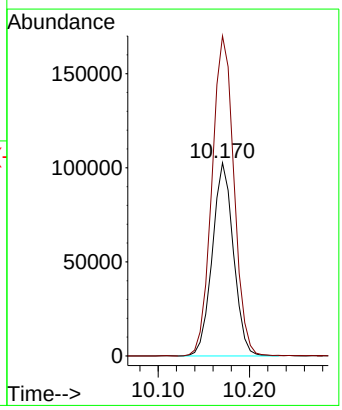


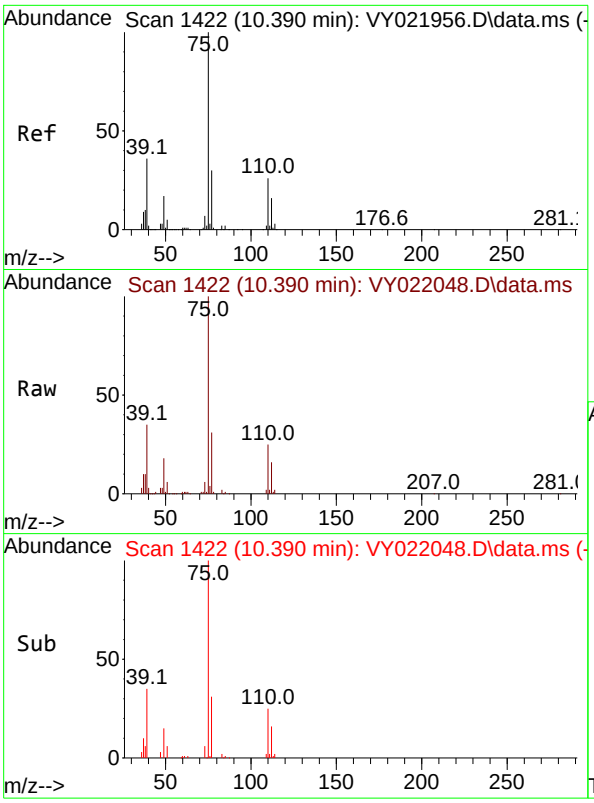


#52
Toluene
Concen: 20.141 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 92 Resp: 164777

Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 19.011 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 7127

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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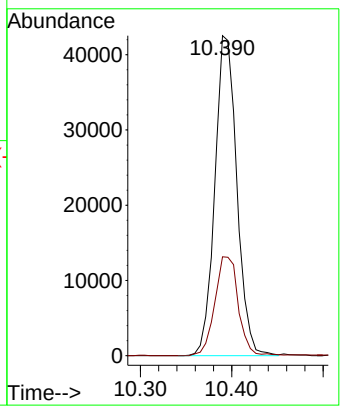
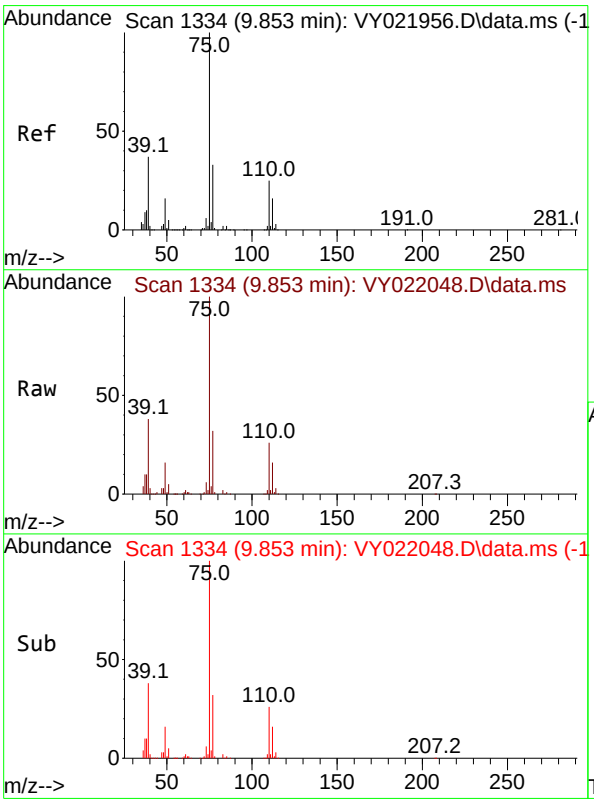
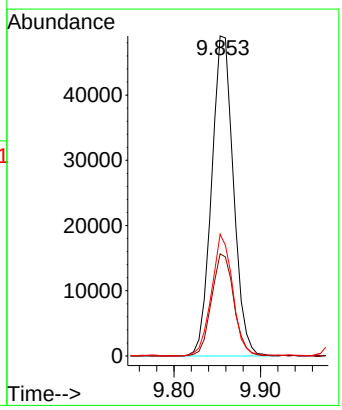


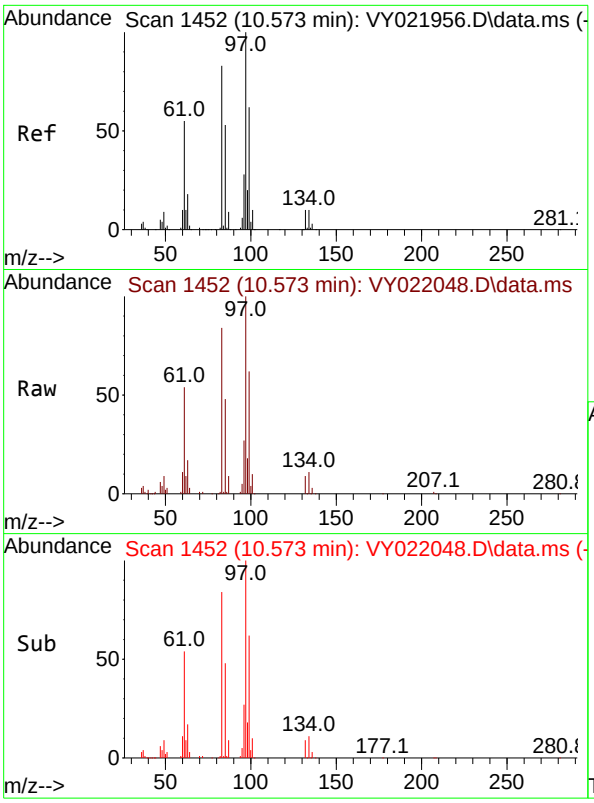


#54
cis-1,3-Dichloropropene
Concen: 19.290 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 85968

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.6	40.0
39	38.1	29.6	44.4

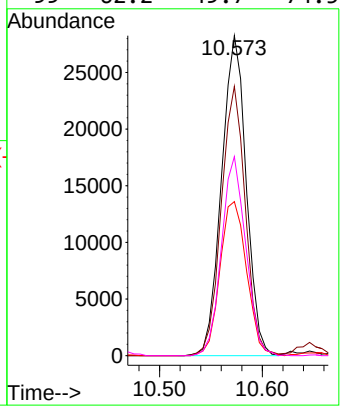




#55
1,1,2-Trichloroethane
Concen: 20.140 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 97 Resp: 4706

Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.7	100.1
85	48.1	42.6	64.0
99	62.2	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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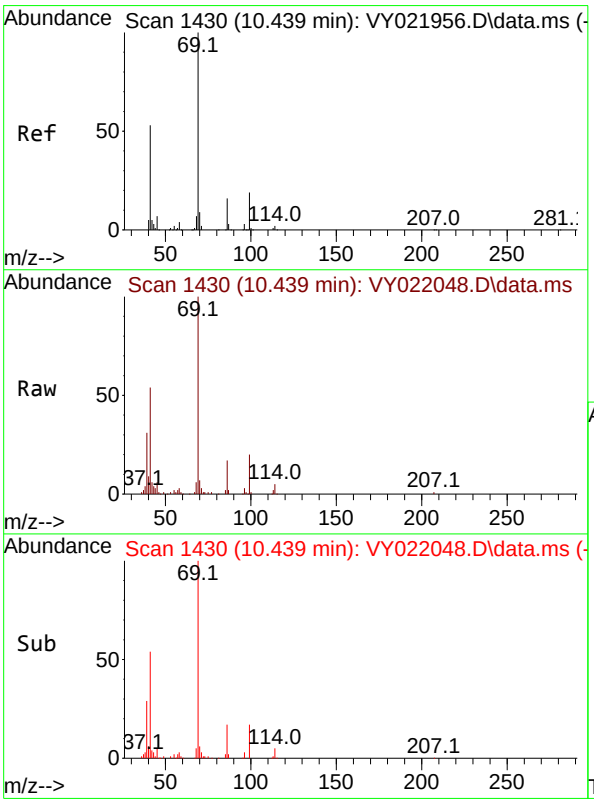
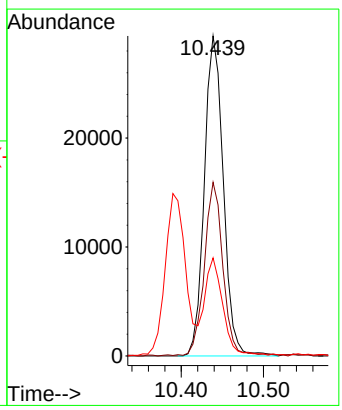
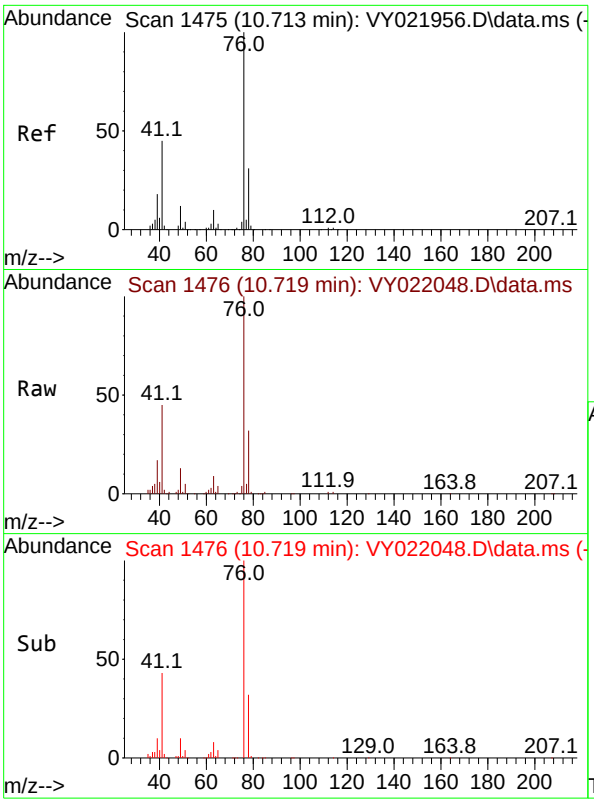


#56
Ethyl methacrylate
Concen: 17.613 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 69 Resp: 47072

Ion	Ratio	Lower	Upper
69	100		
41	53.7	40.7	61.1
39	28.4	23.3	34.9





#57
1,3-Dichloropropane
Concen: 19.886 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 76 Resp: 7450

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
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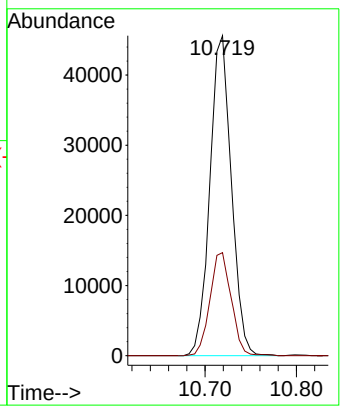
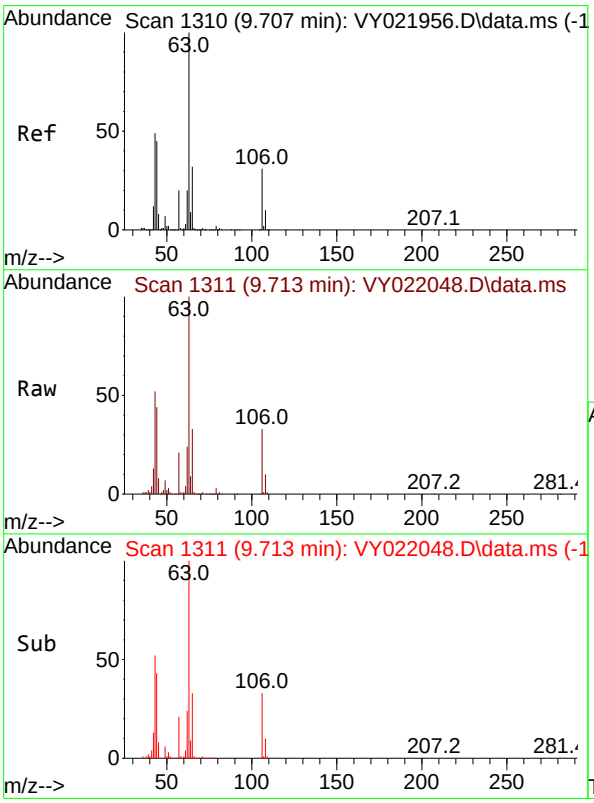
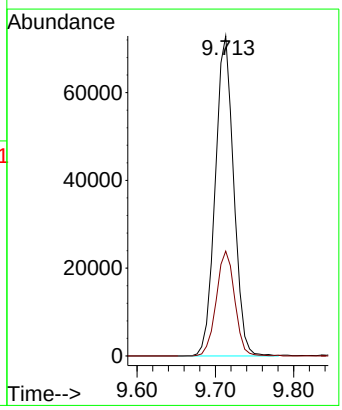


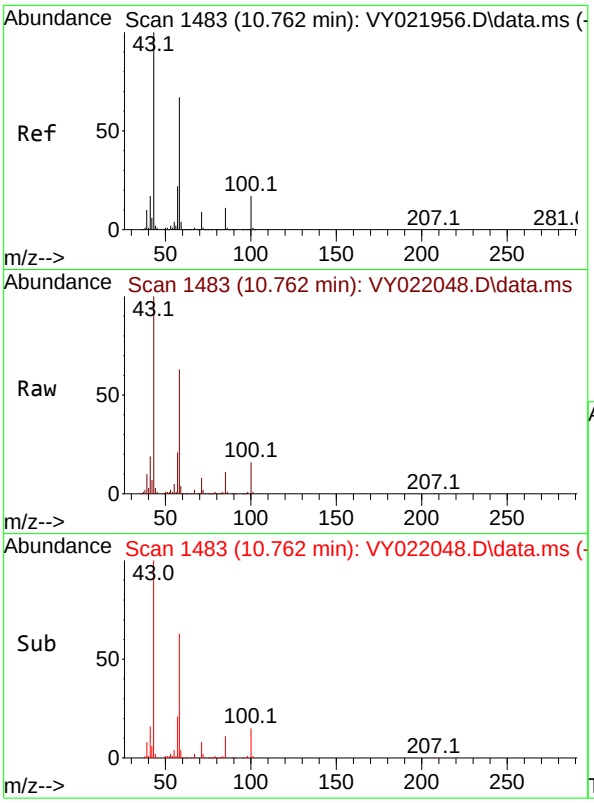


#58
2-Chloroethyl Vinyl ether
Concen: 91.185 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 63 Resp: 119153

Ion	Ratio	Lower	Upper
63	100		
106	32.8	25.3	37.9





#59
2-Hexanone
Concen: 86.992 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 8387

Ion	Ratio	Lower	Upper
43	100		
58	62.6	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
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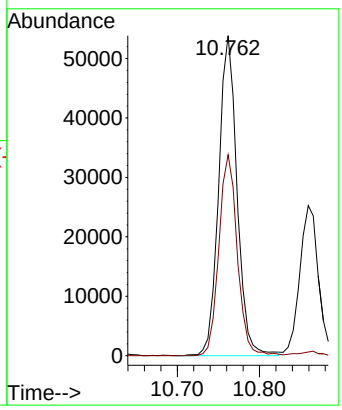
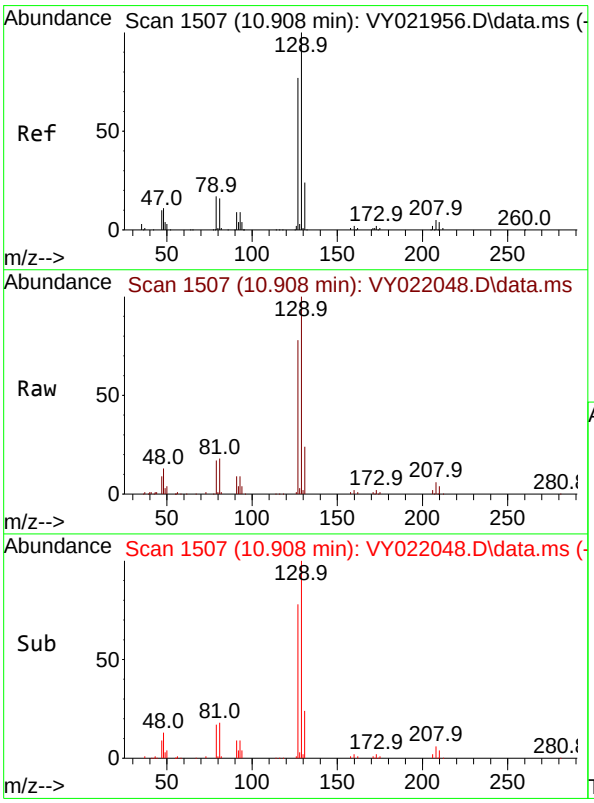
Supervised By :Mahesh Dadoda 04/30/2025

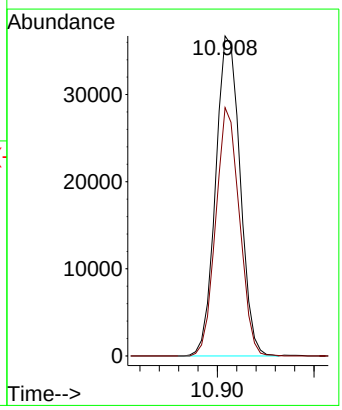


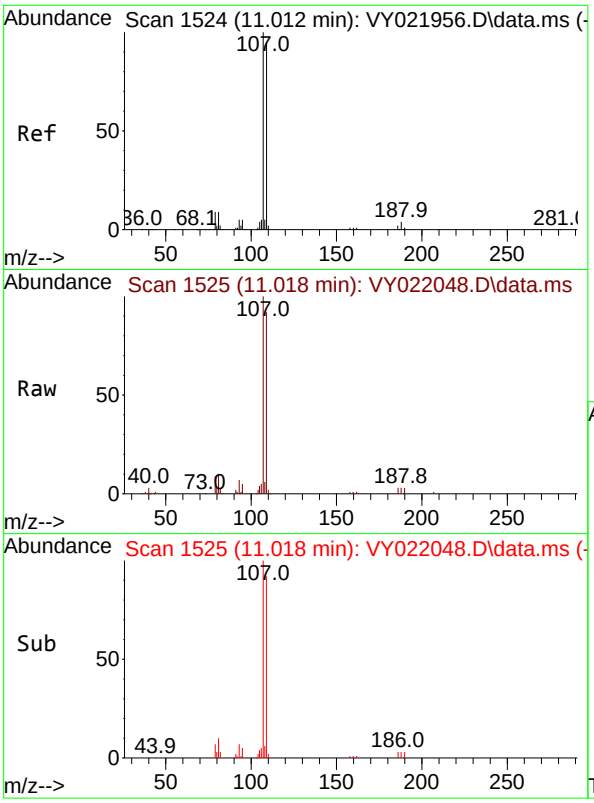


#60
Dibromochloromethane
Concen: 19.894 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:129 Resp: 64371

Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.5	115.3

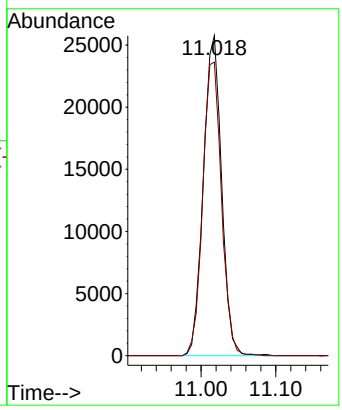




#61
1,2-Dibromoethane
Concen: 19.774 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:107 Resp: 4362

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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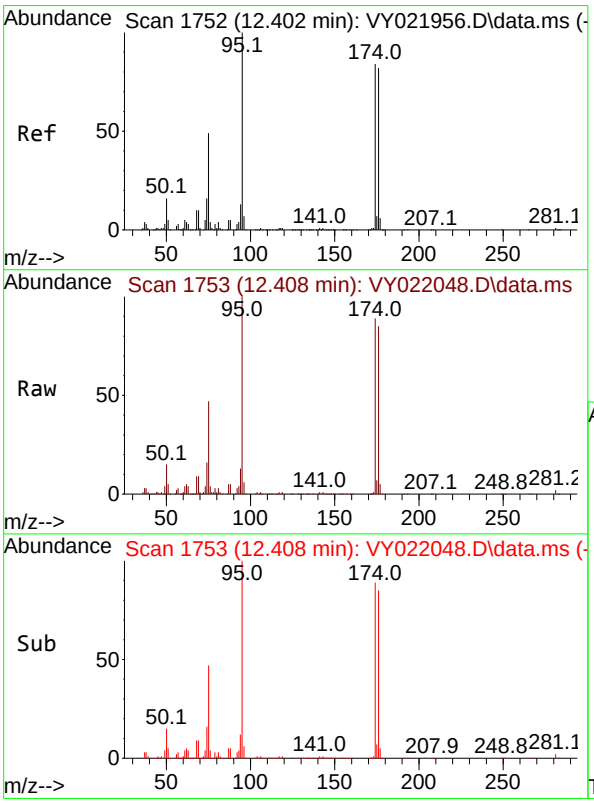
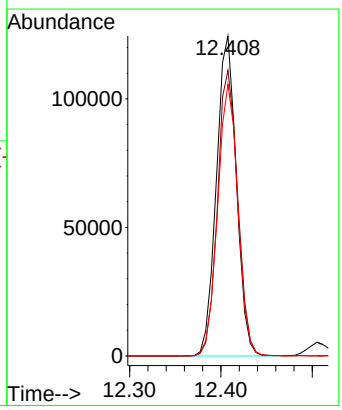
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

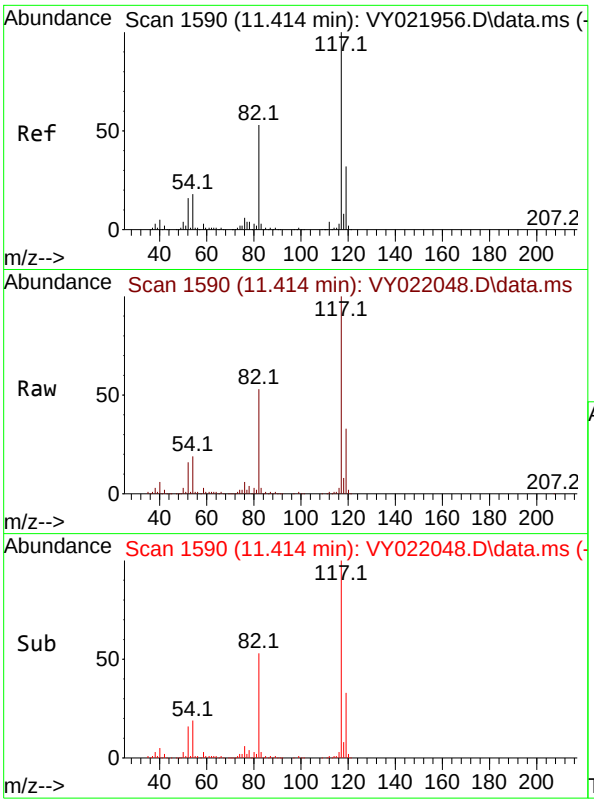


#62
4-Bromofluorobenzene
Concen: 49.628 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 95 Resp: 189577

Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	179.0
176	85.5	0.0	171.8

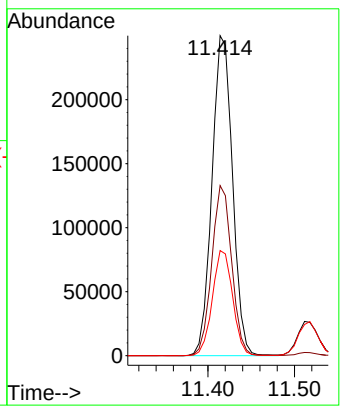




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:117 Resp: 41130

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	32.8	25.7	38.5



Instrument :
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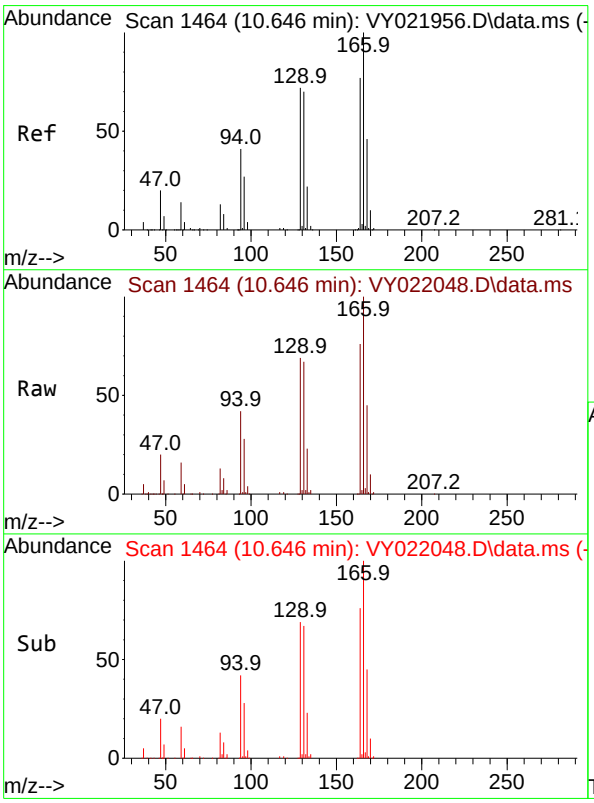
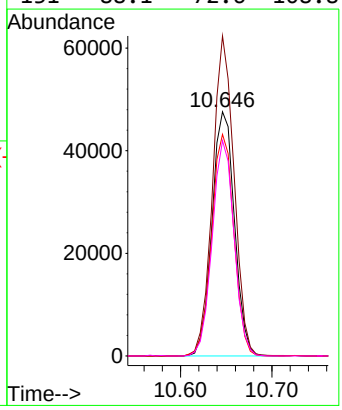
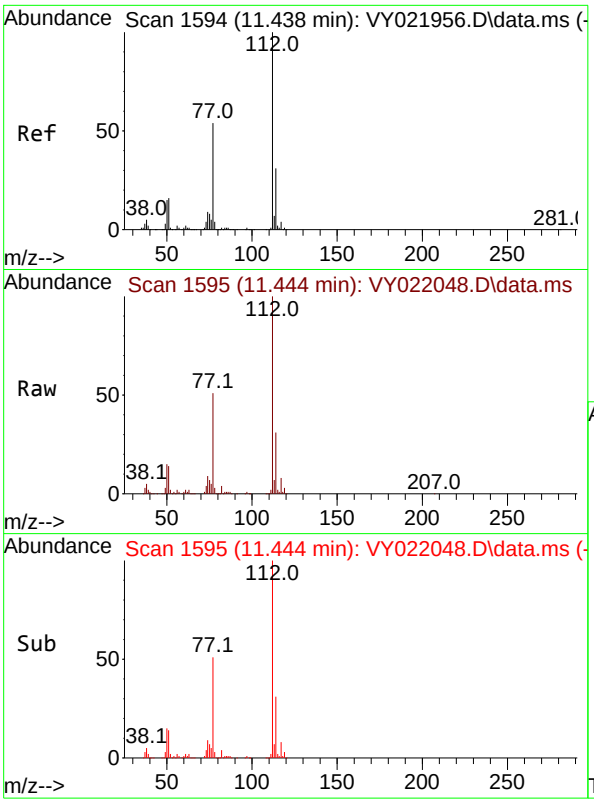


#64
Tetrachloroethene
Concen: 20.941 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:164 Resp: 81253

Ion	Ratio	Lower	Upper
164	100		
166	131.1	103.6	155.4
129	90.8	74.2	111.4
131	88.1	72.6	108.8

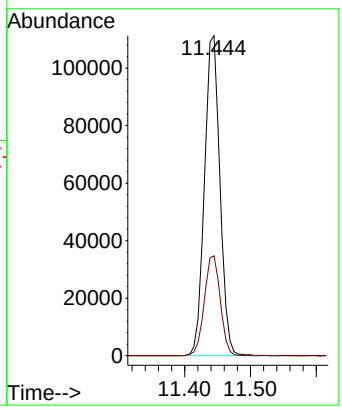




#65
Chlorobenzene
Concen: 19.792 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:112 Resp: 18204

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.4



Instrument :
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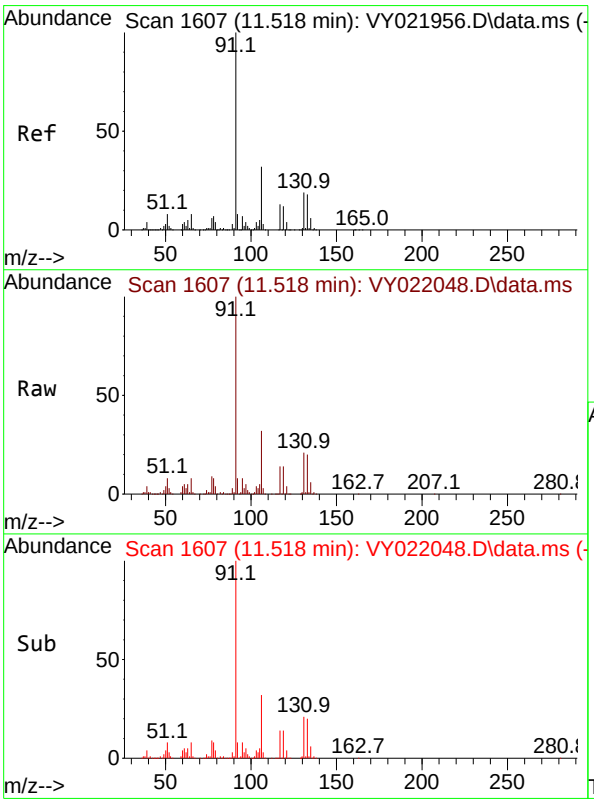
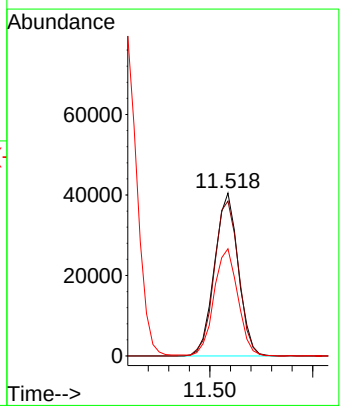
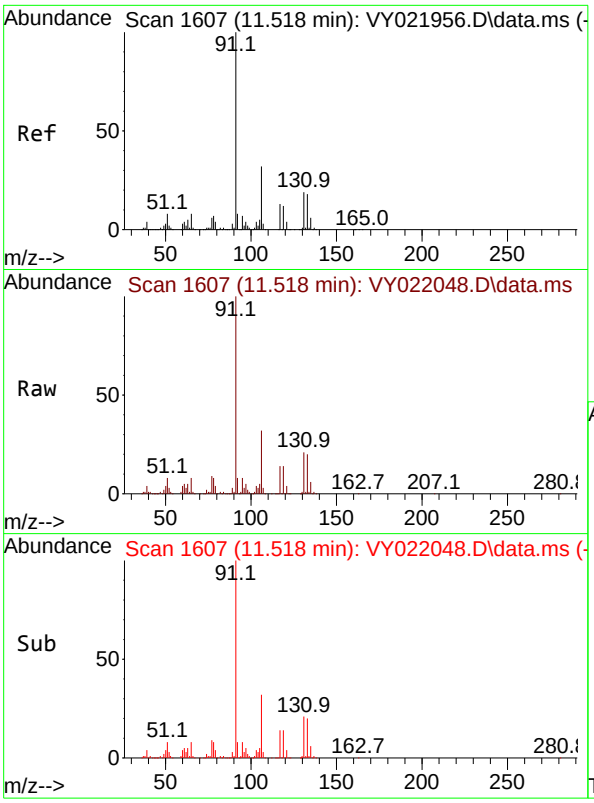


#66
1,1,1,2-Tetrachloroethane
Concen: 20.058 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:131 Resp: 64950

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.8	143.3
119	66.2	32.4	97.0

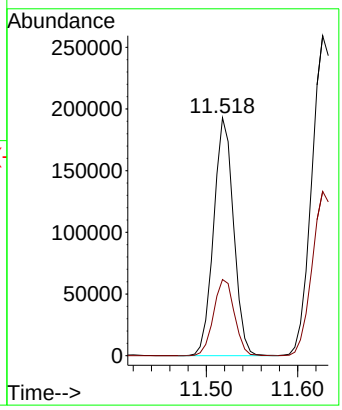




#67
Ethyl Benzene
Concen: 19.443 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 29253

Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
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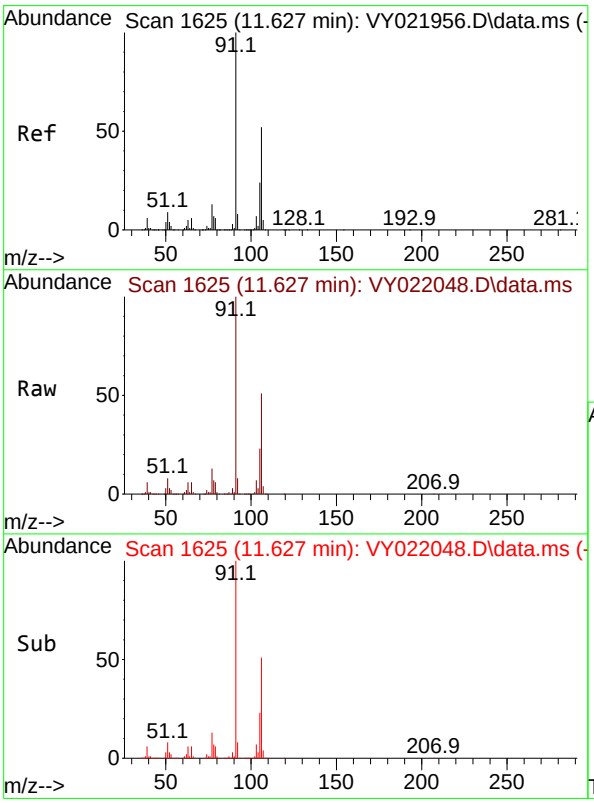
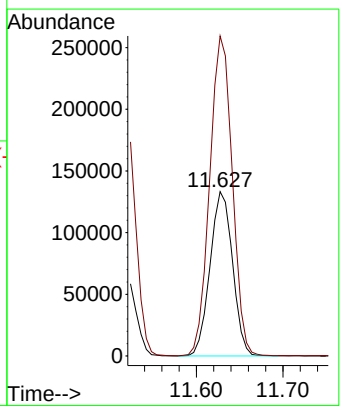
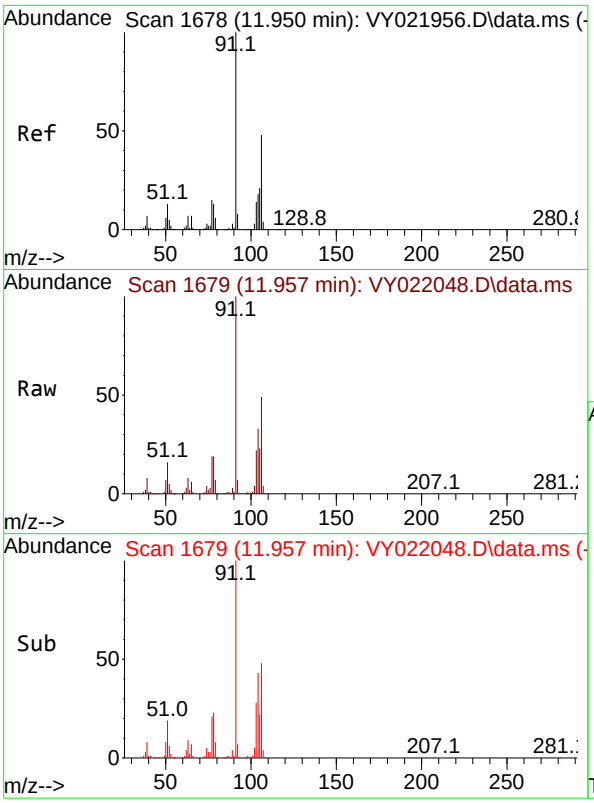


#68
m/p-Xylenes
Concen: 40.178 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:106 Resp: 240556

Ion	Ratio	Lower	Upper
106	100		
91	195.3	156.2	234.2

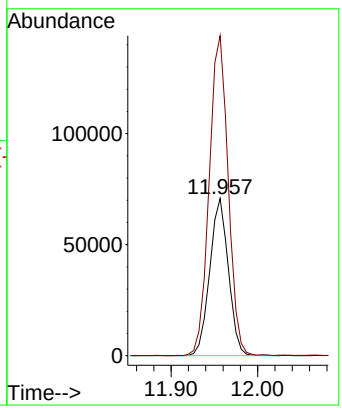




#69
o-Xylene
Concen: 19.172 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:106 Resp: 10580

Ion	Ratio	Lower	Upper
106	100		
91	207.6	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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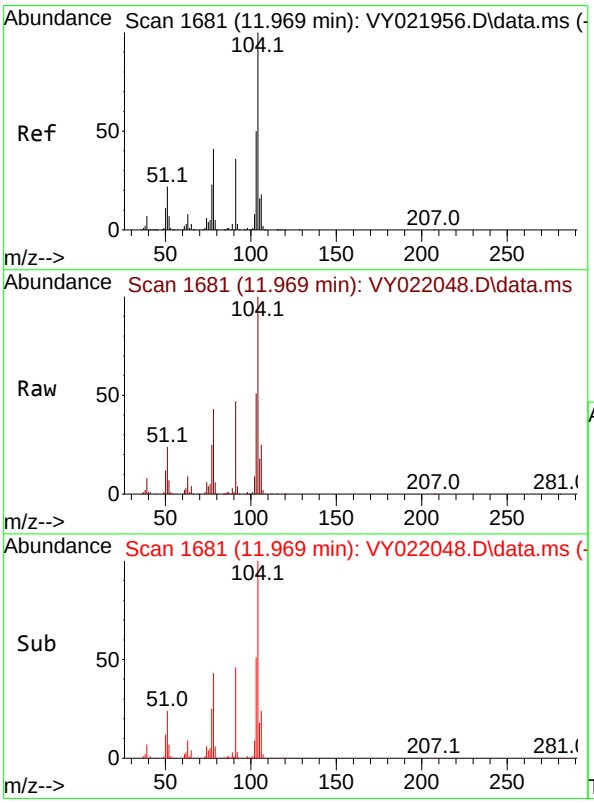
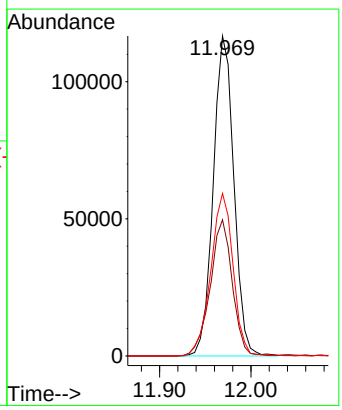
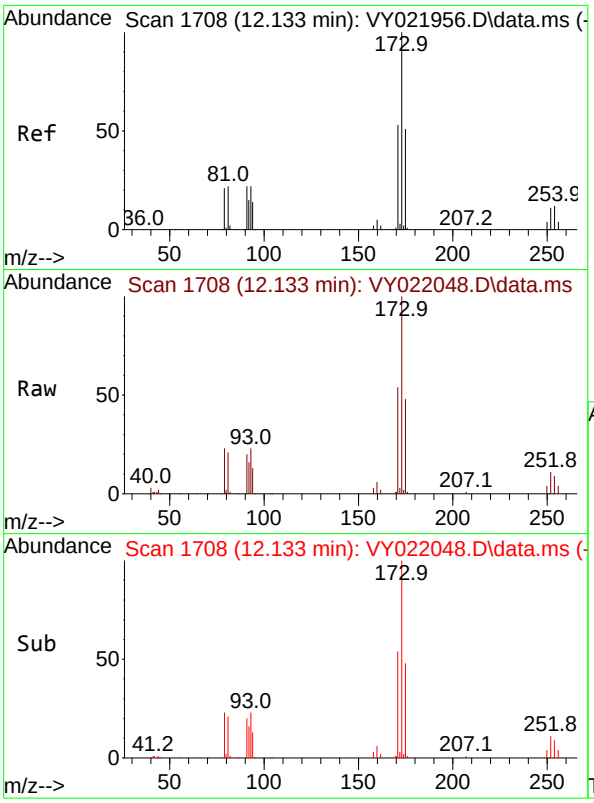


#70
Styrene
Concen: 19.770 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:104 Resp: 183180

Ion	Ratio	Lower	Upper
104	100		
78	45.6	36.6	54.8
103	54.8	43.8	65.8

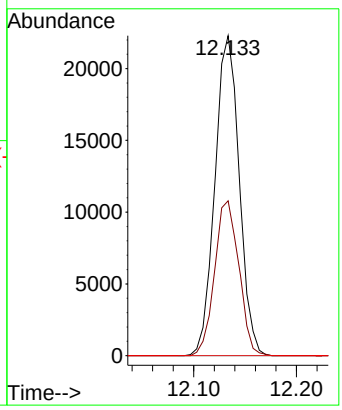




#71
Bromoform
Concen: 19.415 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:173 Resp: 3655

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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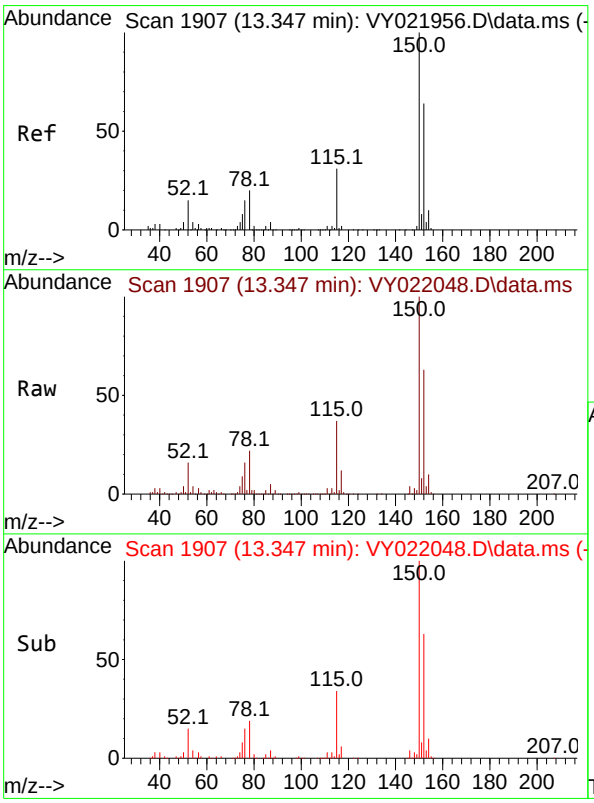
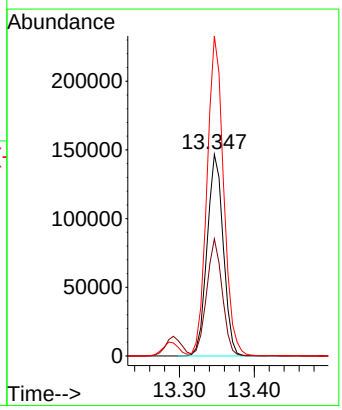
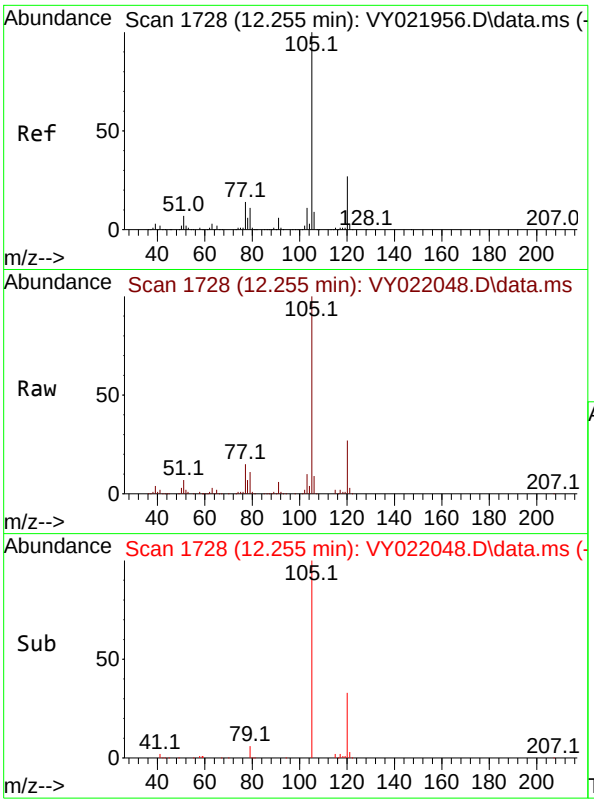


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:152 Resp: 220609

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	163.0	0.0	345.6





#73
Isopropylbenzene
Concen: 19.126 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:105 Resp: 28190

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
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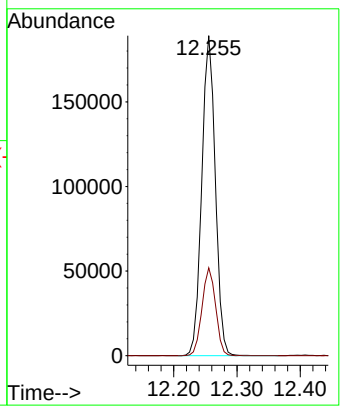
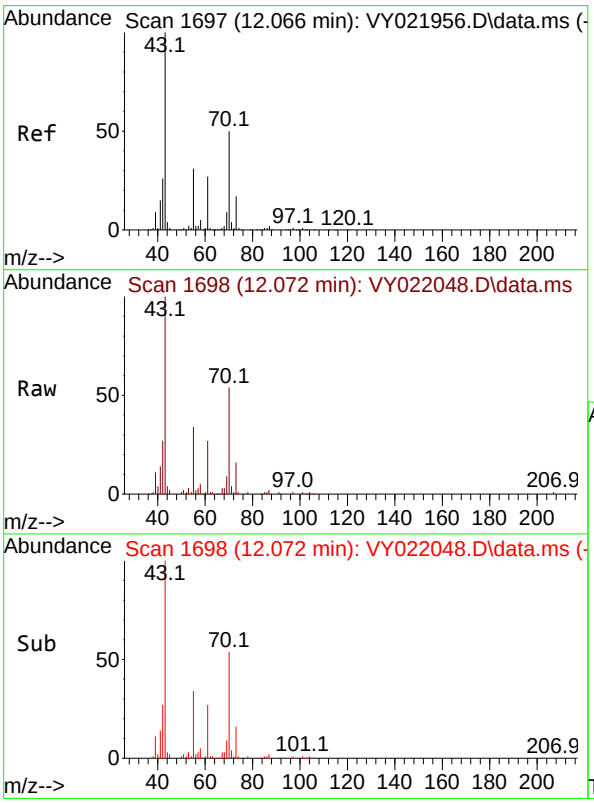
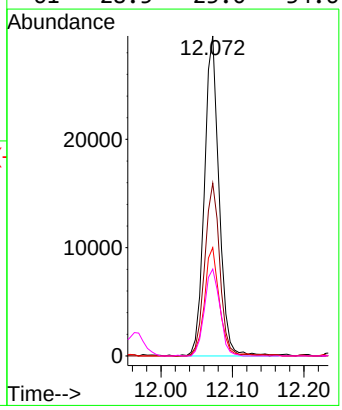


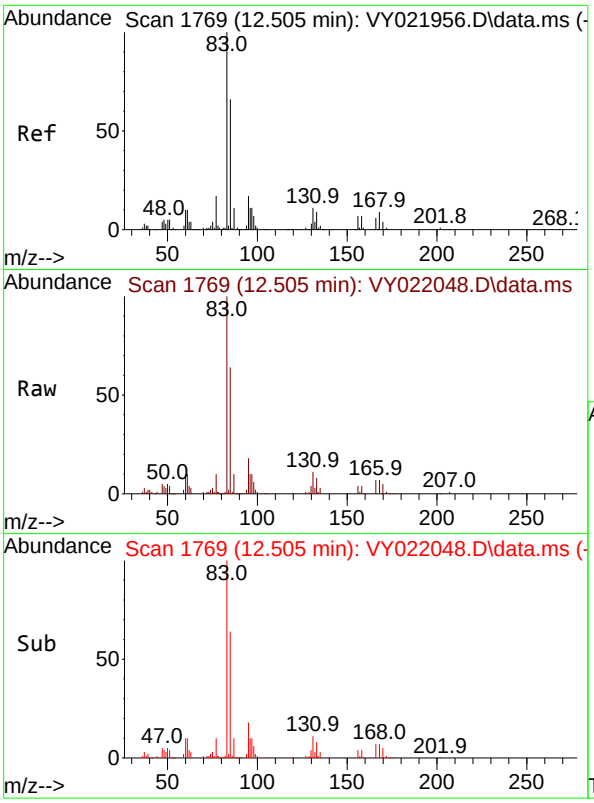


#74
N-amyl acetate
Concen: 16.664 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 42199

Ion	Ratio	Lower	Upper
43	100		
70	55.3	43.2	64.8
55	34.4	25.7	38.5
61	28.5	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 19.146 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 83 Resp: 4757

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.3	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
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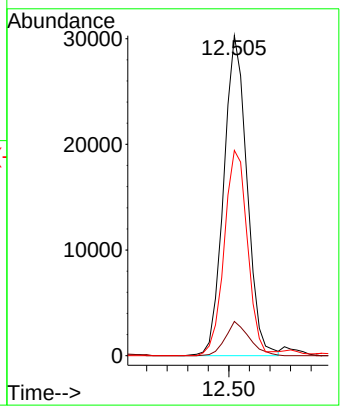
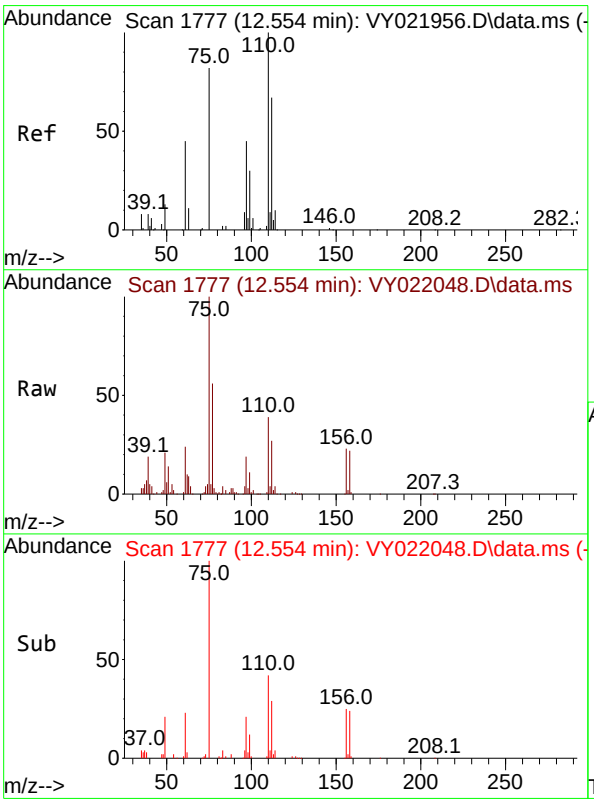
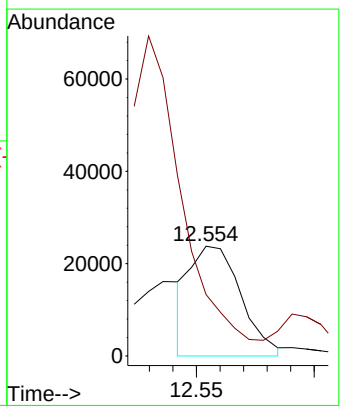


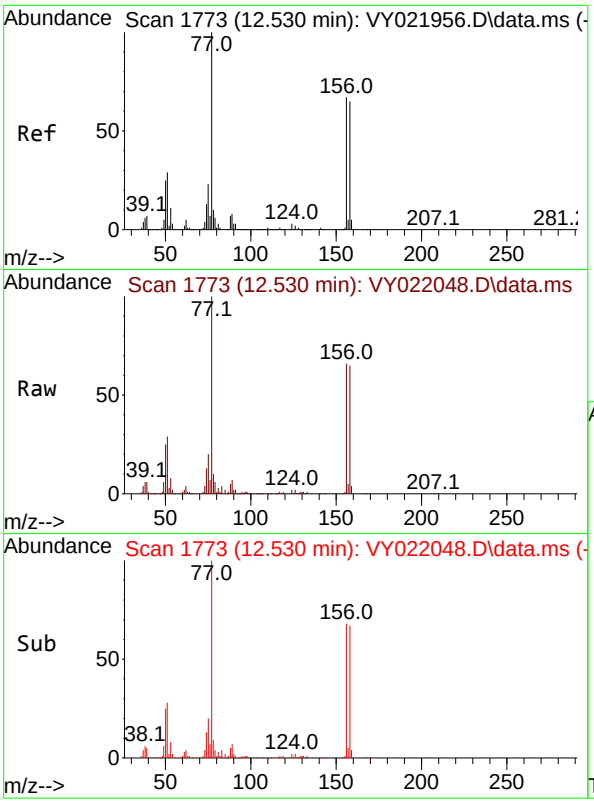


#76
1,2,3-Trichloropropane
Concen: 18.871 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 35659

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

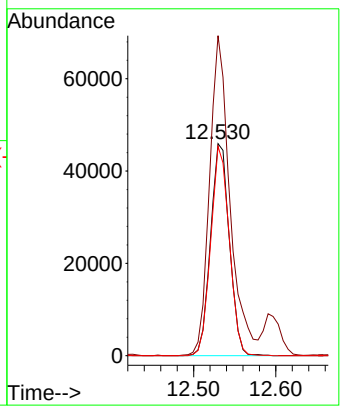




#77
Bromobenzene
Concen: 19.665 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:156 Resp: 7323

Ion	Ratio	Lower	Upper
156	100		
77	163.5	82.7	248.1
158	97.0	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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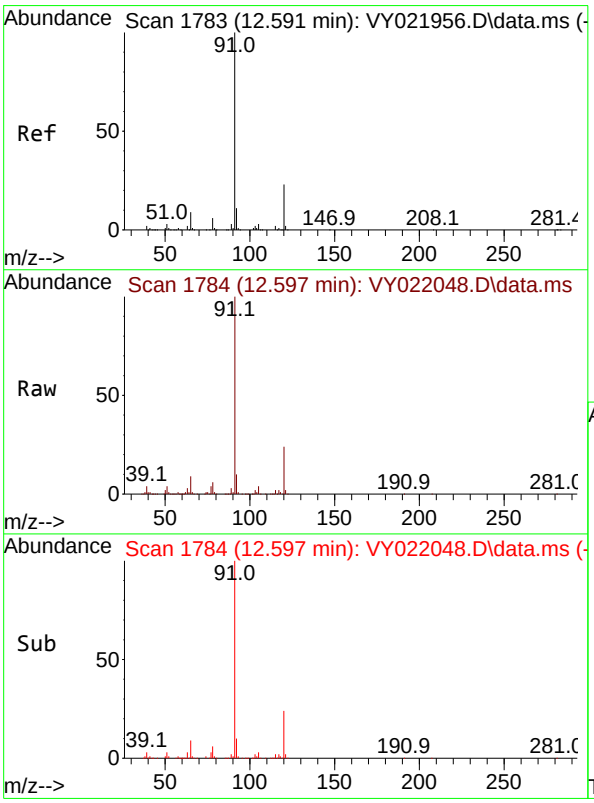
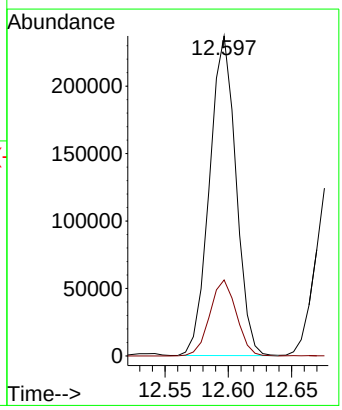
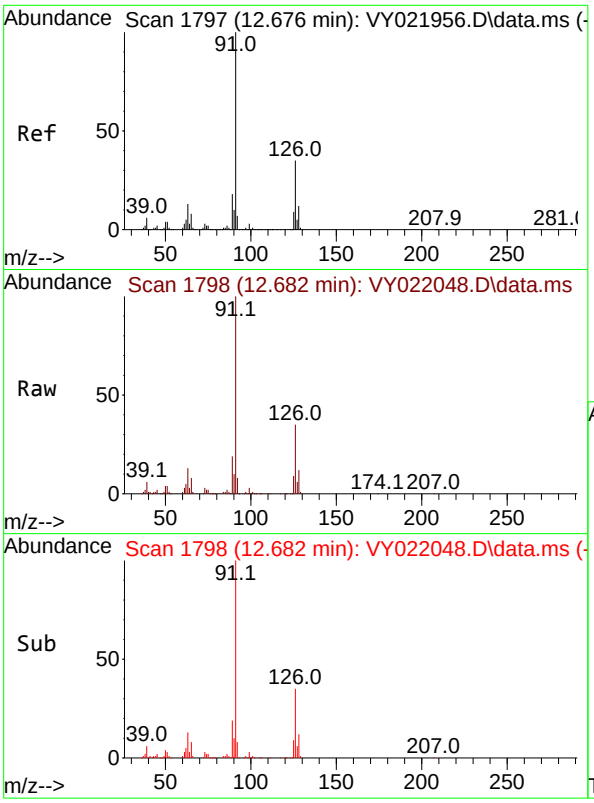


#78
n-propylbenzene
Concen: 19.616 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 344311

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5

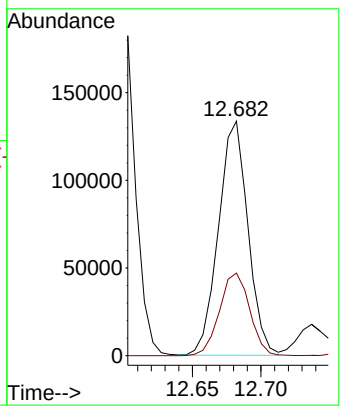




#79
2-Chlorotoluene
Concen: 19.600 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 20006

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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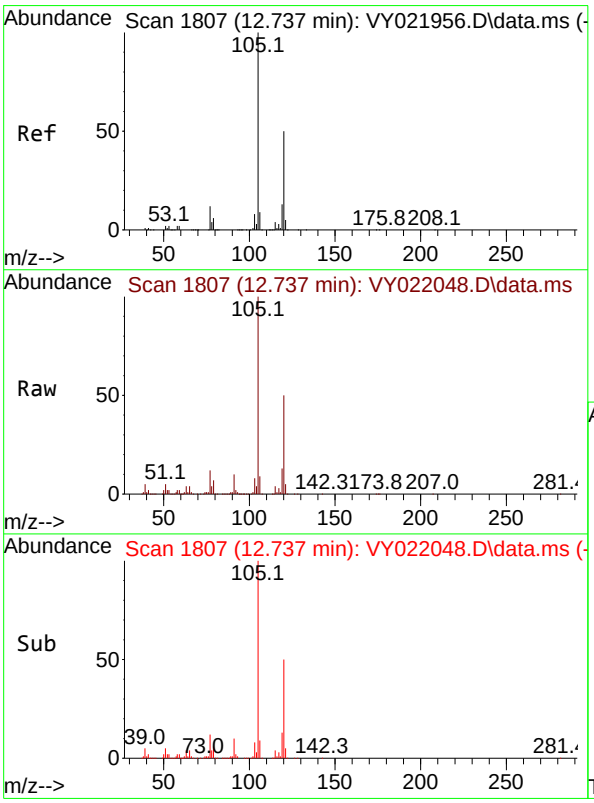
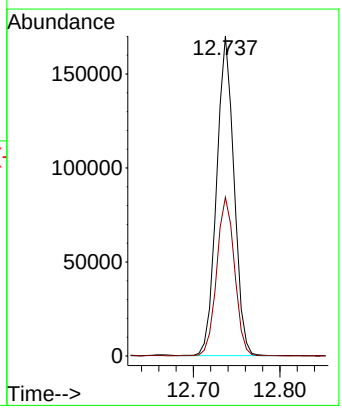
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

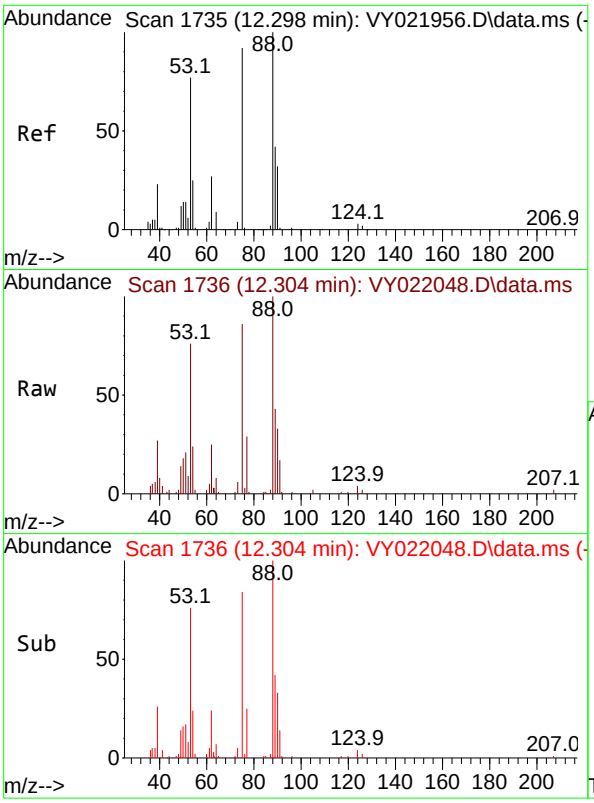


#80
1,3,5-Trimethylbenzene
Concen: 19.536 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:105 Resp: 237244

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.558 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 1456

Ion	Ratio	Lower	Upper
75	100		
53	86.7	66.0	99.0
89	47.3	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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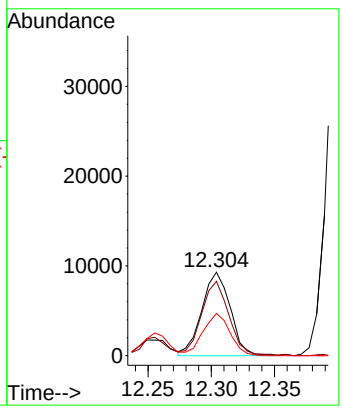
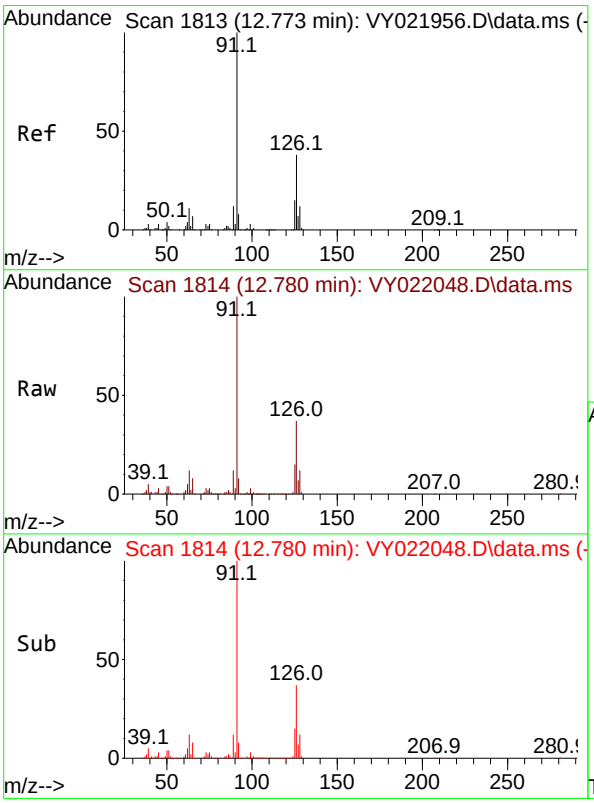
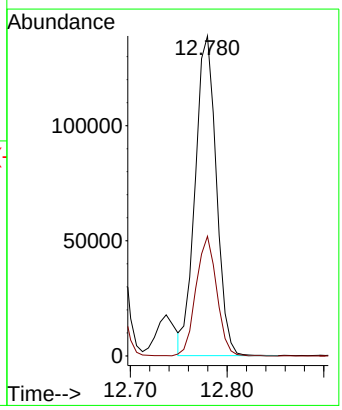


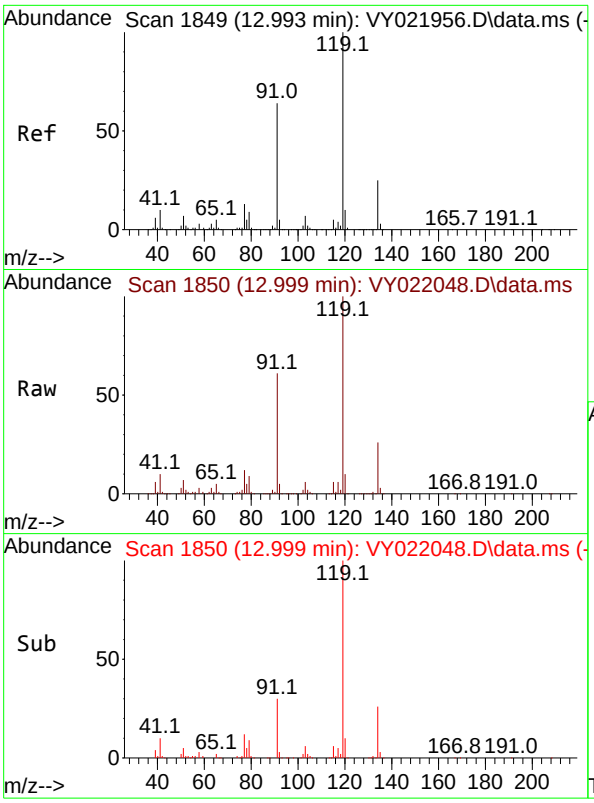


#82
4-Chlorotoluene
Concen: 19.868 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 210828

Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.9	53.8





#83
tert-Butylbenzene
Concen: 18.929 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:119 Resp: 20616

Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.3	90.9
134	26.7	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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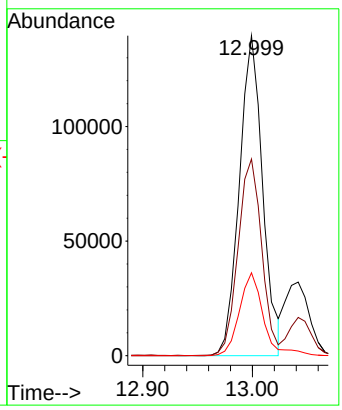
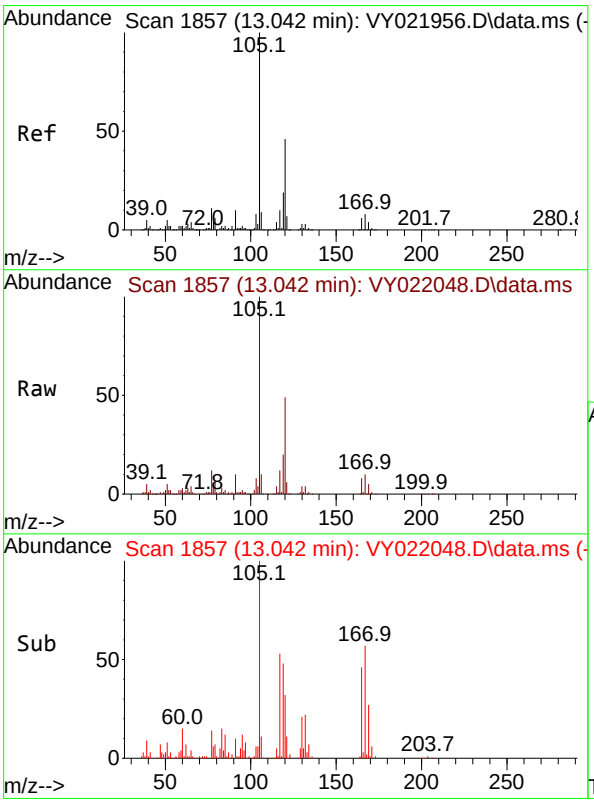
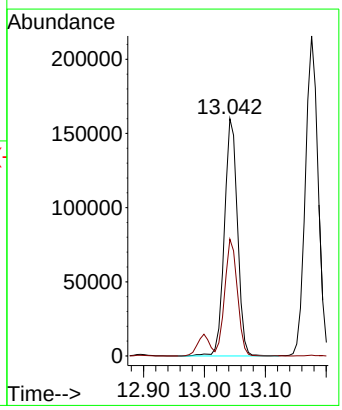


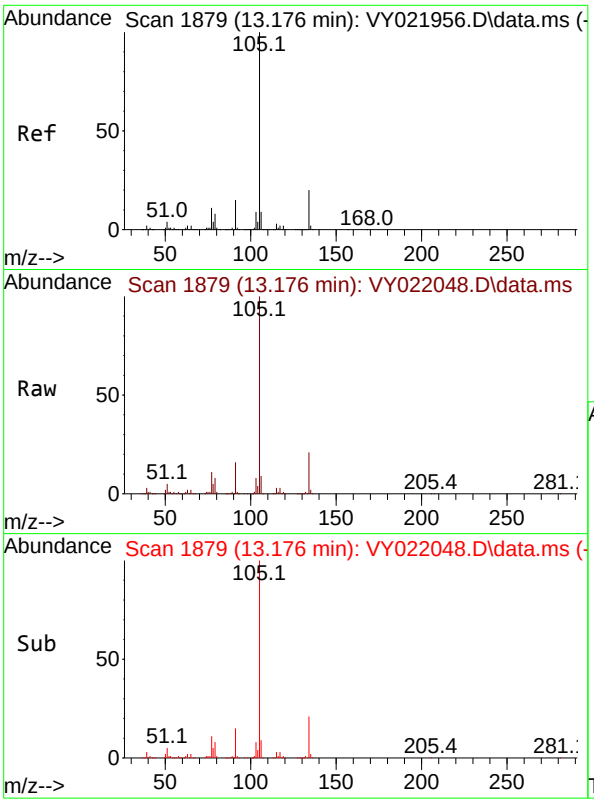


#84
1,2,4-Trimethylbenzene
Concen: 19.614 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:105 Resp: 238254

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.4	70.0





#85
sec-Butylbenzene
Concen: 19.572 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:105 Resp: 31192

Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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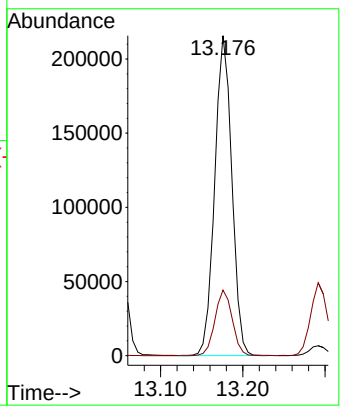
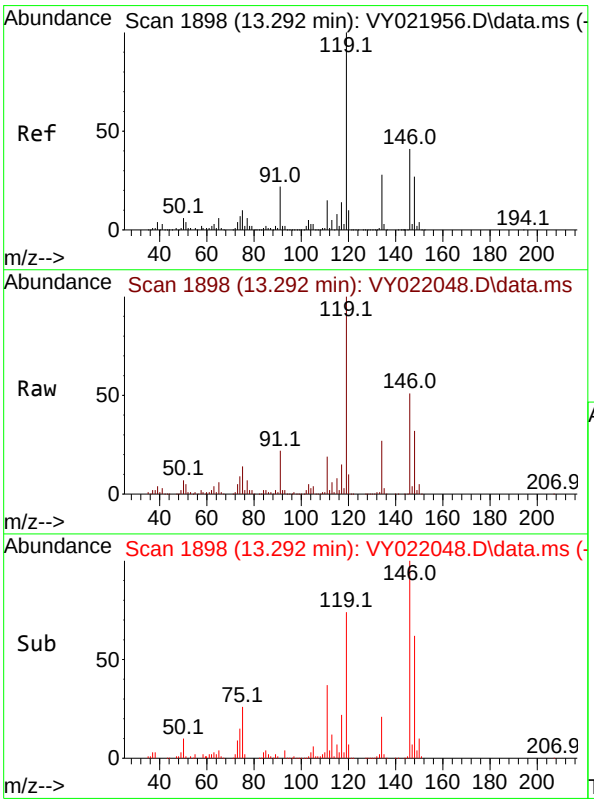
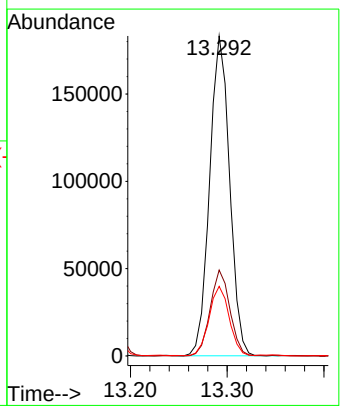


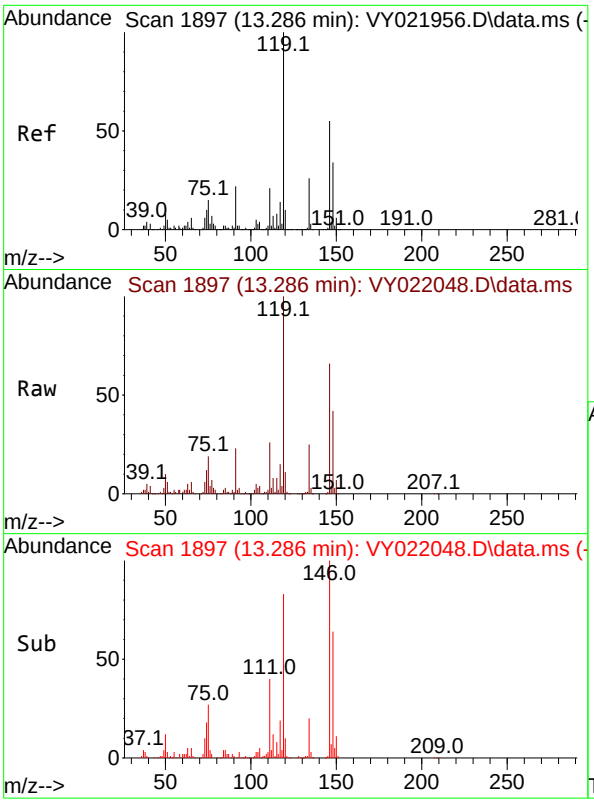


#86
p-Isopropyltoluene
Concen: 19.412 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:119 Resp: 262713

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	21.7	11.0	33.0

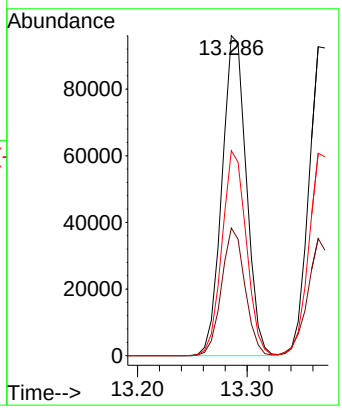




#87
1,3-Dichlorobenzene
Concen: 19.576 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:146 Resp: 14808

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	63.9	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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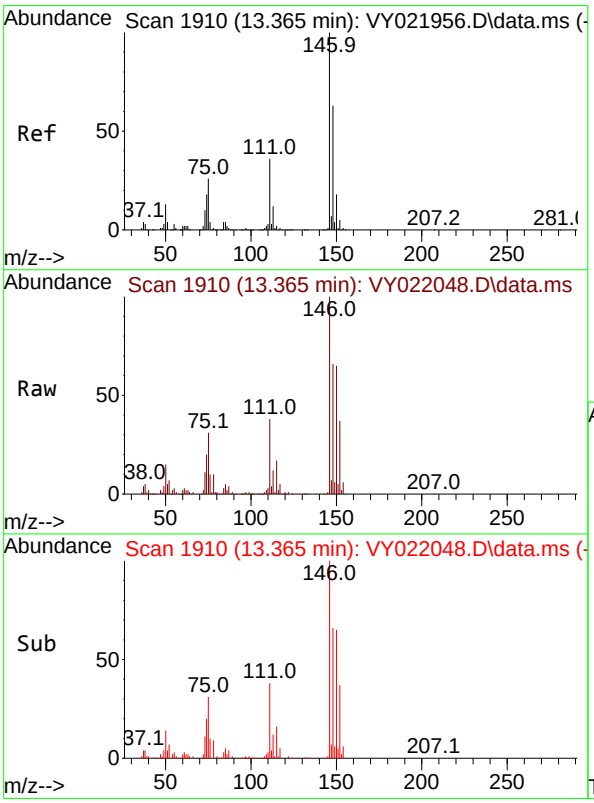
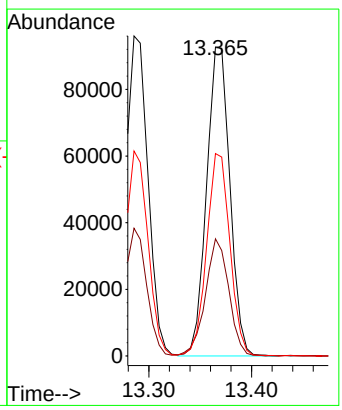
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

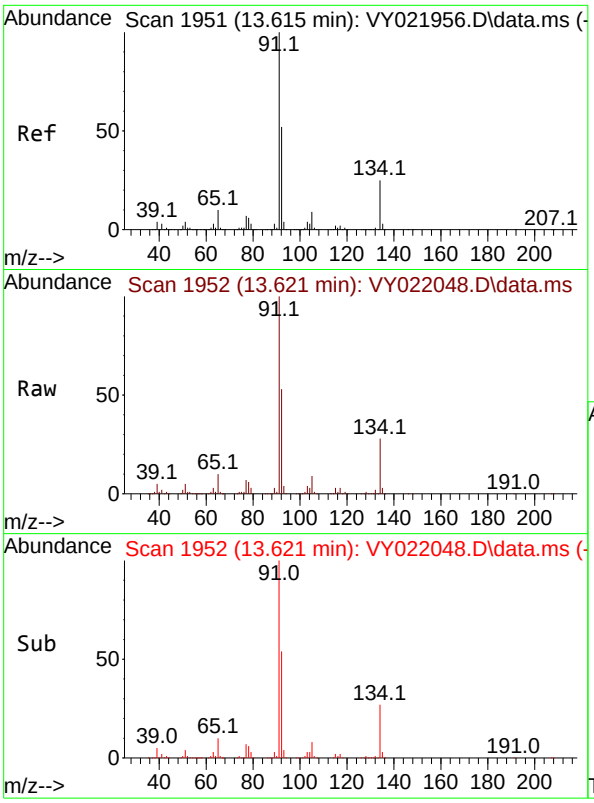


#88
1,4-Dichlorobenzene
Concen: 19.474 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:146 Resp: 145893

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	65.6	32.0	96.0

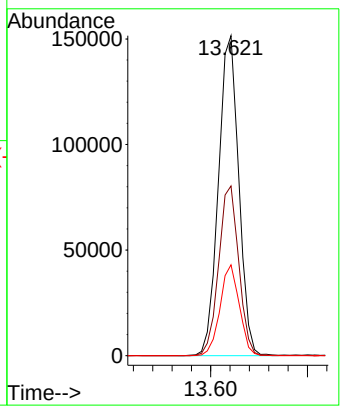




#89
n-Butylbenzene
Concen: 18.247 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 22072

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	27.0	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Manual Integrations
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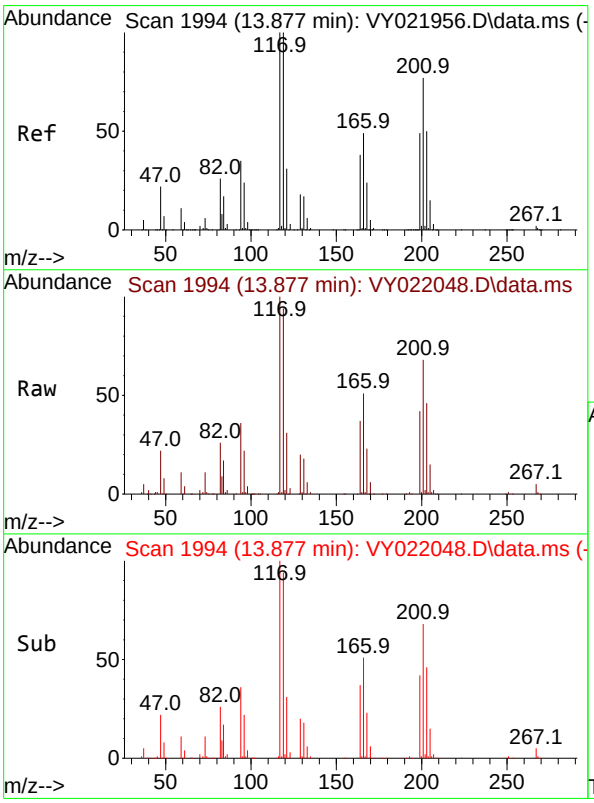
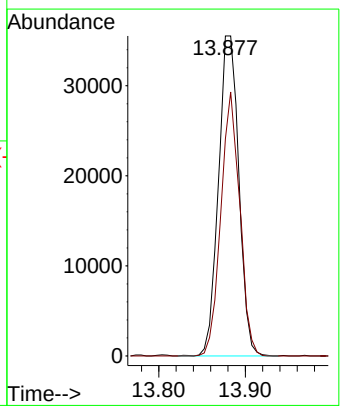
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

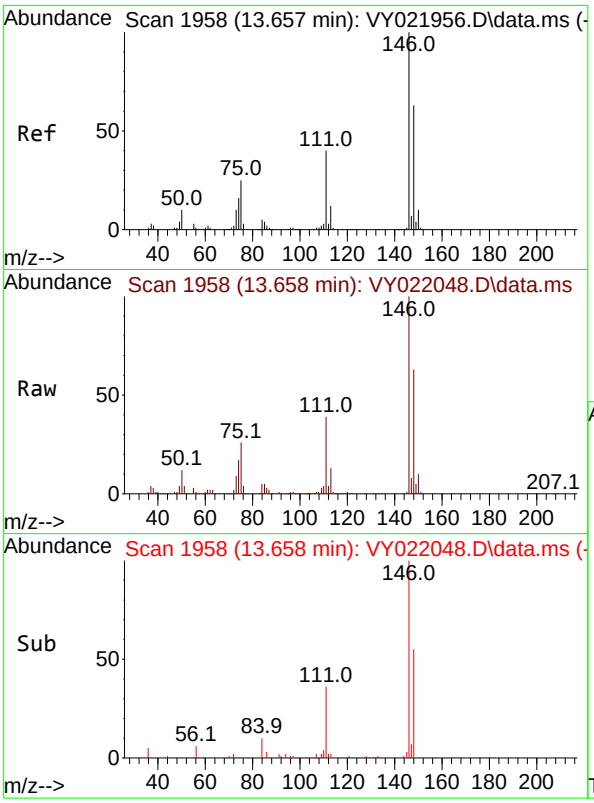


#90
Hexachloroethane
Concen: 19.525 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:117 Resp: 58056

Ion	Ratio	Lower	Upper
117	100		
201	76.5	38.7	116.1

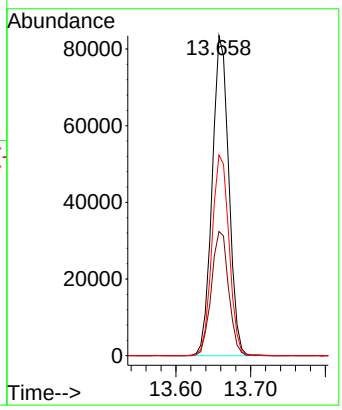




#91
1,2-Dichlorobenzene
Concen: 19.546 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:146 Resp: 12895

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.1
148	64.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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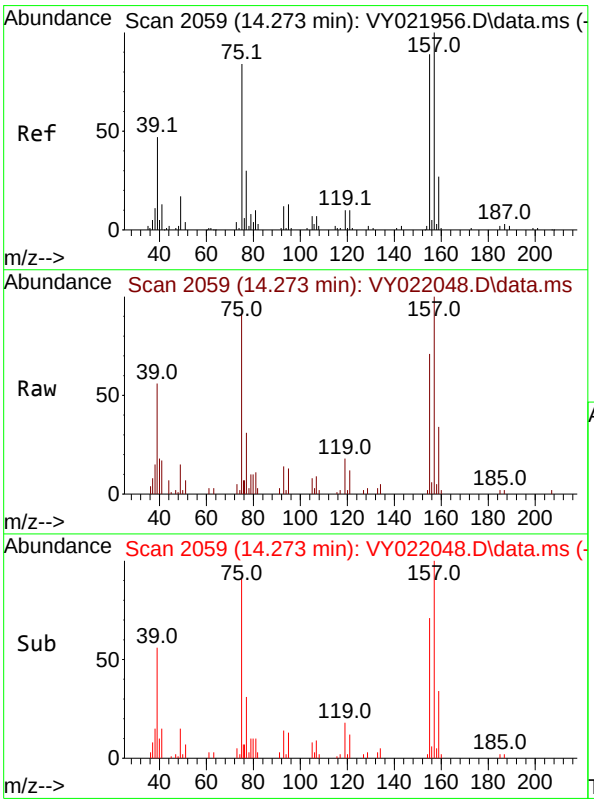
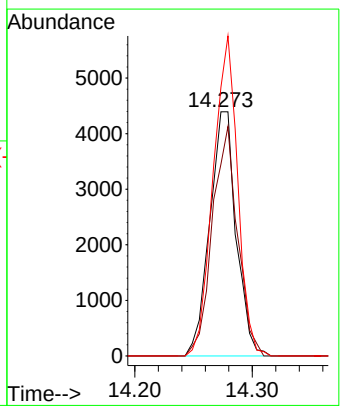
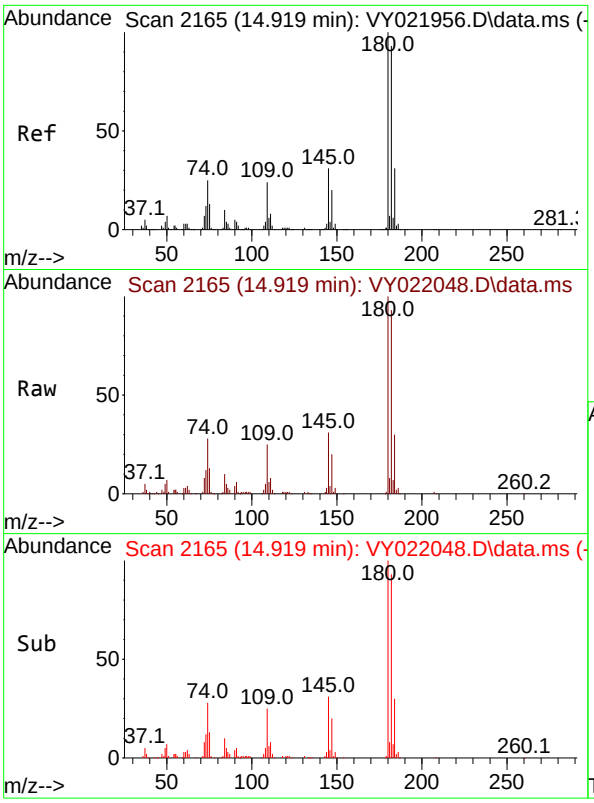


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.400 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 6879

Ion	Ratio	Lower	Upper
75	100		
155	89.7	50.7	152.3
157	121.0	62.6	187.8

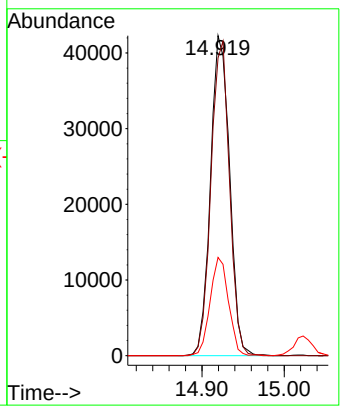




#93
1,2,4-Trichlorobenzene
Concen: 18.255 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:180 Resp: 6824

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	29.6	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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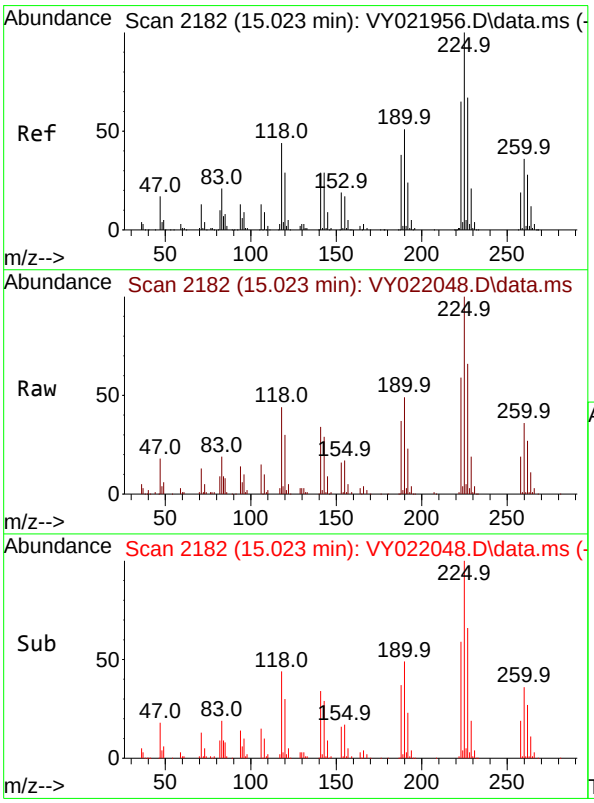
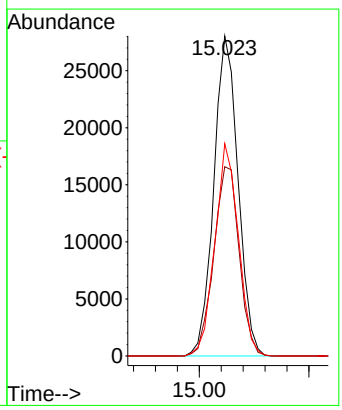
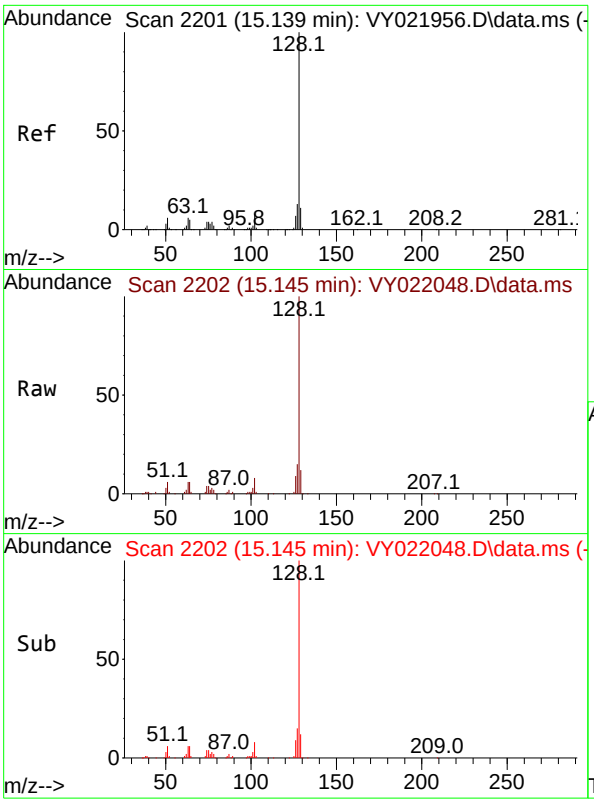


#94
Hexachlorobutadiene
Concen: 18.730 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:225 Resp: 43083

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.5
227	64.3	32.3	96.9

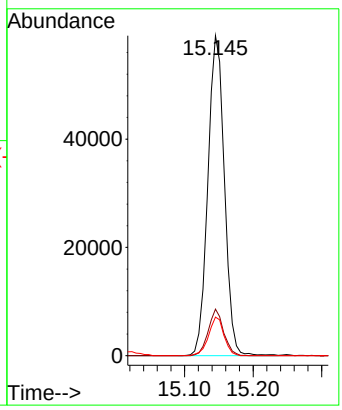




#95
Naphthalene
Concen: 15.964 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:128 Resp: 9914

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.3	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

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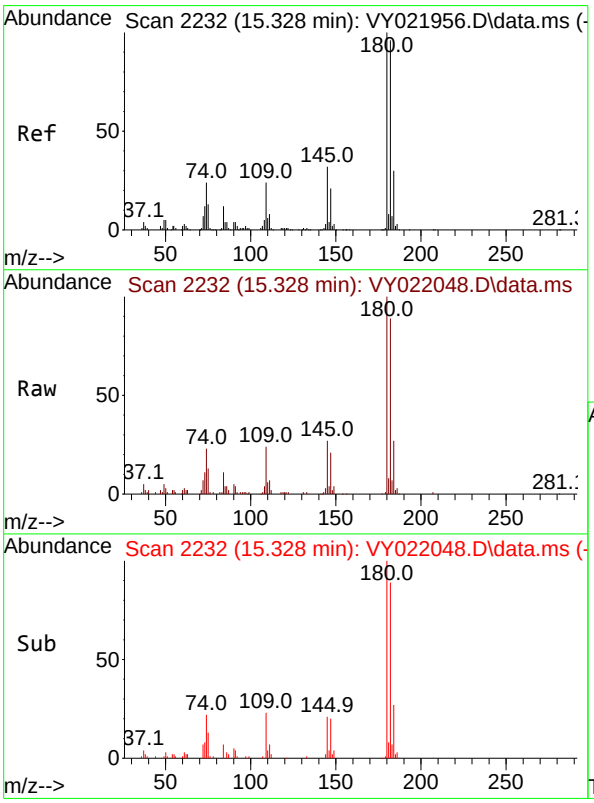
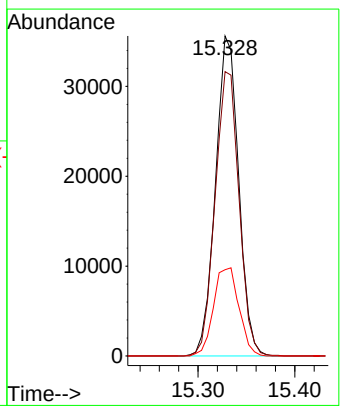


#96
1,2,3-Trichlorobenzene
Concen: 18.341 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:180 Resp: 59189

Ion	Ratio	Lower	Upper
180	100		
182	91.8	48.1	144.4
145	30.3	16.0	48.0



Raw Data: **VY022072.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0430SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0430SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022072.D	1		04/30/25 10:30	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.019		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.022		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.021		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.023		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.021		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.097		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.022		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.096		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.095		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.019		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.093		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.021		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.10		0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022072.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0430SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0430SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022072.D	1		04/30/25 10:30	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.100		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.021		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.019		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.041		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.060		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.020		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.019		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.020		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.019		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.019		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.019		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.019		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.019		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022072.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0430SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0430SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022072.D	1		04/30/25 10:30	VY043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.019		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.020		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.020		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.018		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.5		71 - 136		99%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	52.7		85 - 116		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	286000	7.707				
540-36-3	1,4-Difluorobenzene	434000	8.616				
3114-55-4	Chlorobenzene-d5	405000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	223000	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\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	286487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	405299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	222589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131013	49.509	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.020%			
35) Dibromofluoromethane	7.628	113	150835	52.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.280%			
50) Toluene-d8	10.103	98	568923	52.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.340%			
62) 4-Bromofluorobenzene	12.402	95	188289	51.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	47203	19.336	ug/l	98
3) Chloromethane	2.062	50	77084	22.176	ug/l	98
4) Vinyl Chloride	2.202	62	88437	20.704	ug/l	98
5) Bromomethane	2.586	94	83723	22.751	ug/l	97
6) Chloroethane	2.727	64	61631	21.186	ug/l	100
7) Trichlorofluoromethane	3.050	101	122851	21.811	ug/l	97
8) Diethyl Ether	3.452	74	28746	19.608	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.806	101	62287	20.385	ug/l	99
10) Methyl Iodide	4.001	142	60748	17.172	ug/l	99
11) Tert butyl alcohol	4.885	59	13923	95.838	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	56168	19.722	ug/l	97
13) Acrolein	3.653	56	22527	86.396	ug/l	99
14) Allyl chloride	4.379	41	62659	18.895	ug/l	99
15) Acrylonitrile	5.055	53	51344	95.667	ug/l	99
16) Acetone	3.879	43	37345	94.535	ug/l	95
17) Carbon Disulfide	4.098	76	180355	19.861	ug/l	98
18) Methyl Acetate	4.385	43	25031	20.250	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	121034	18.988	ug/l	100
20) Methylene Chloride	4.610	84	67082	20.048	ug/l	95
21) trans-1,2-Dichloroethene	5.104	96	62226	19.509	ug/l	97
22) Diisopropyl ether	6.013	45	144165	19.535	ug/l	96
23) Vinyl Acetate	5.958	43	381862	96.013	ug/l	99
24) 1,1-Dichloroethane	5.909	63	101810	19.903	ug/l	95
25) 2-Butanone	6.890	43	55933	92.728	ug/l	97
26) 2,2-Dichloropropane	6.878	77	91436	20.394	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	69433	19.469	ug/l	99
28) Bromochloromethane	7.244	49	39832	20.047	ug/l	96
29) Tetrahydrofuran	7.262	42	37976	96.936	ug/l	99
30) Chloroform	7.415	83	115625	20.378	ug/l	99
31) Cyclohexane	7.701	56	82489	18.857	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	103303	20.124	ug/l	99
36) 1,1-Dichloropropene	7.829	75	77745	20.200	ug/l	99
37) Ethyl Acetate	6.982	43	28394	20.541	ug/l	97
38) Carbon Tetrachloride	7.817	117	97877	21.282	ug/l	96
39) Methylcyclohexane	9.103	83	92916	19.184	ug/l	94
40) Benzene	8.079	78	247402	20.563	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	15307	20.257	ug/l	#	94
42) 1,2-Dichloroethane	8.159	62	63278	21.243	ug/l		99
43) Isopropyl Acetate	8.195	43	51820	19.521	ug/l		99
44) Trichloroethene	8.860	130	69720	20.921	ug/l		96
45) 1,2-Dichloropropane	9.140	63	54103	20.334	ug/l		96
46) Dibromomethane	9.225	93	34989	21.008	ug/l		99
47) Bromodichloromethane	9.420	83	87089	20.931	ug/l		96
48) Methyl methacrylate	9.219	41	23285	18.974	ug/l		94
49) 1,4-Dioxane	9.231	88	6982	393.308	ug/l		91
51) 4-Methyl-2-Pentanone	10.000	43	140074	100.658	ug/l		100
52) Toluene	10.170	92	163564	21.002	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	73442	20.578	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	87328	20.585	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	46477	20.891	ug/l		98
56) Ethyl methacrylate	10.439	69	47660	18.733	ug/l		97
57) 1,3-Dichloropropane	10.713	76	73654	20.651	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	125085	100.556	ug/l		98
59) 2-Hexanone	10.762	43	91664	99.867	ug/l		98
60) Dibromochloromethane	10.908	129	65090	21.132	ug/l		99
61) 1,2-Dibromoethane	11.012	107	43234	20.584	ug/l		99
64) Tetrachloroethene	10.646	164	80599	21.080	ug/l		96
65) Chlorobenzene	11.438	112	182280	20.111	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.512	131	66284	20.773	ug/l		100
67) Ethyl Benzene	11.518	91	285528	19.258	ug/l		100
68) m/p-Xylenes	11.627	106	239665	40.623	ug/l		97
69) o-Xylene	11.957	106	106876	19.654	ug/l		99
70) Styrene	11.969	104	182708	20.012	ug/l		100
71) Bromoform	12.127	173	38719	20.871	ug/l	#	99
73) Isopropylbenzene	12.255	105	279562	18.799	ug/l		99
74) N-amyl acetate	12.072	43	45327	17.740	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	49468	19.730	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	35538m	18.640	ug/l		
77) Bromobenzene	12.530	156	73867	19.657	ug/l		97
78) n-propylbenzene	12.597	91	342875	19.361	ug/l		100
79) 2-Chlorotoluene	12.676	91	200281	19.446	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	235676	19.234	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14374	18.155	ug/l		94
82) 4-Chlorotoluene	12.774	91	212735	19.870	ug/l		100
83) tert-Butylbenzene	12.999	119	205879	18.735	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	241750	19.725	ug/l		98
85) sec-Butylbenzene	13.176	105	309315	19.235	ug/l		99
86) p-Isopropyltoluene	13.292	119	260507	19.078	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	152160	19.937	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	148875	19.695	ug/l		99
89) n-Butylbenzene	13.615	91	225950	18.513	ug/l		99
90) Hexachloroethane	13.883	117	58174	19.391	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	134059	20.139	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7240	18.150	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	72337	19.176	ug/l		99
94) Hexachlorobutadiene	15.023	225	47088	20.289	ug/l		100
95) Naphthalene	15.145	128	109185	17.424	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	64048	19.670	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

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

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

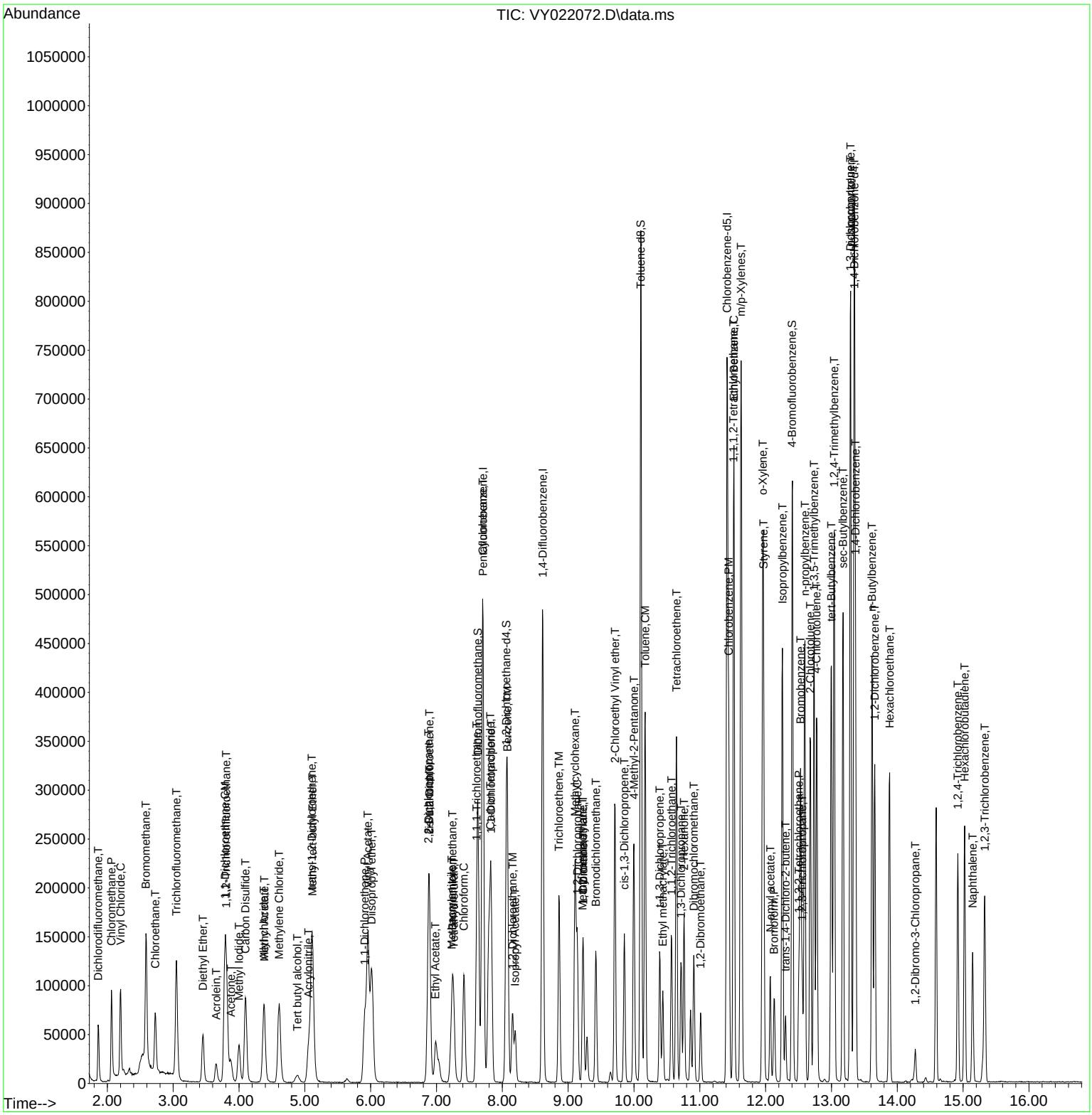
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

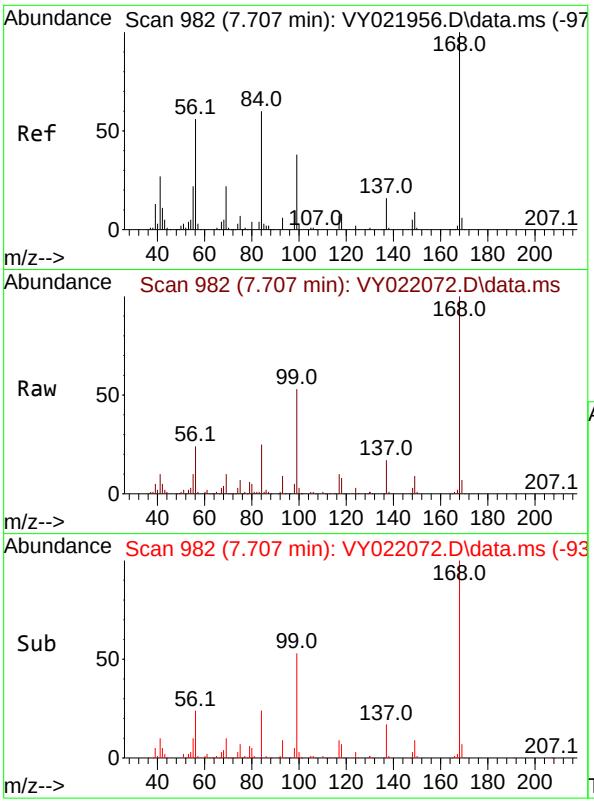
Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

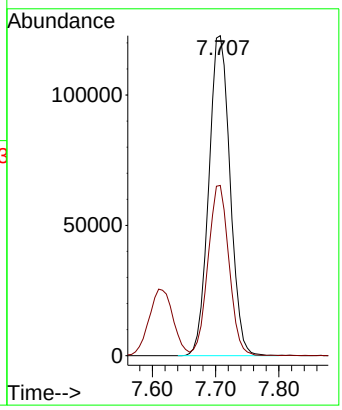




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:168 Resp: 28648

Ion	Ratio	Lower	Upper
168	100		
99	53.1	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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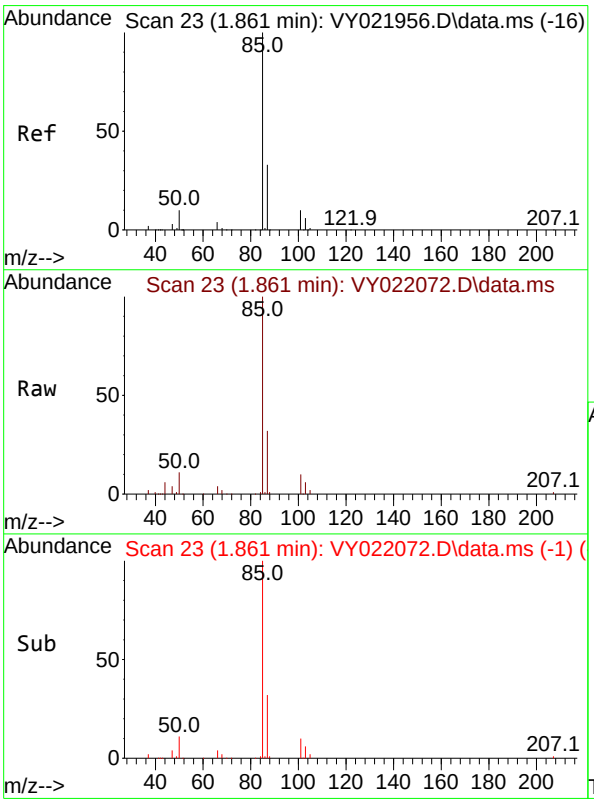
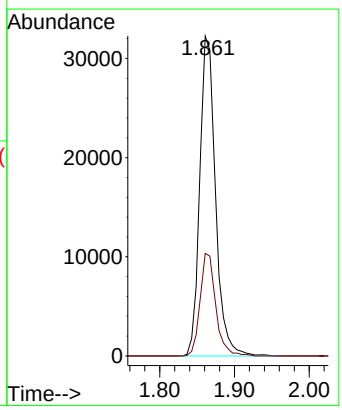
Supervised By :Mahesh Dadoda 05/05/2025

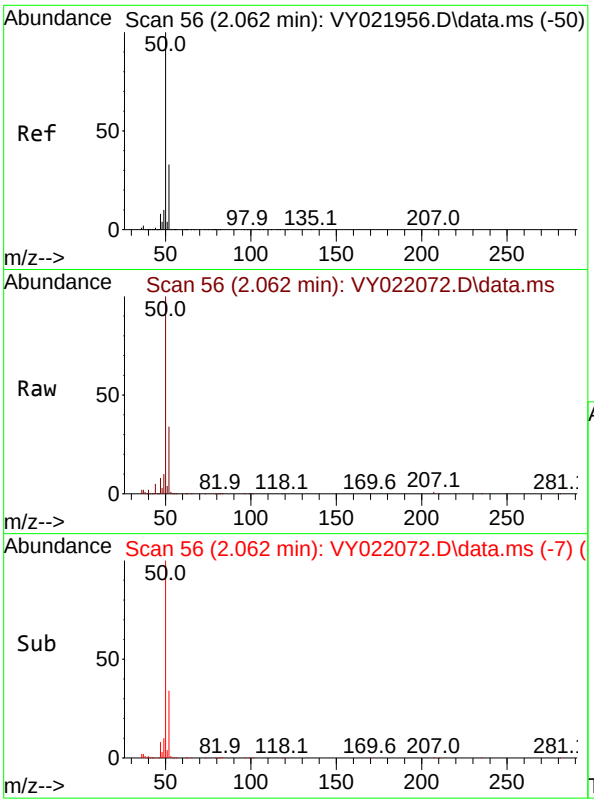


#2
Dichlorodifluoromethane
Concen: 19.336 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 85 Resp: 47203

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.6	49.7

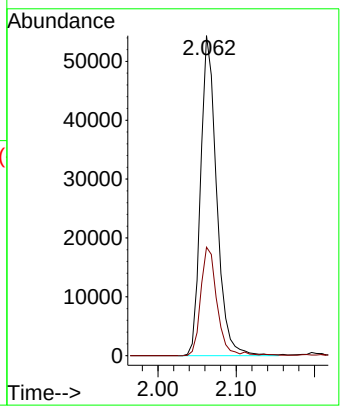




#3
Chloromethane
Concen: 22.176 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 50 Resp: 7708

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.1	39.1



Instrument :
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ClientSampleId :
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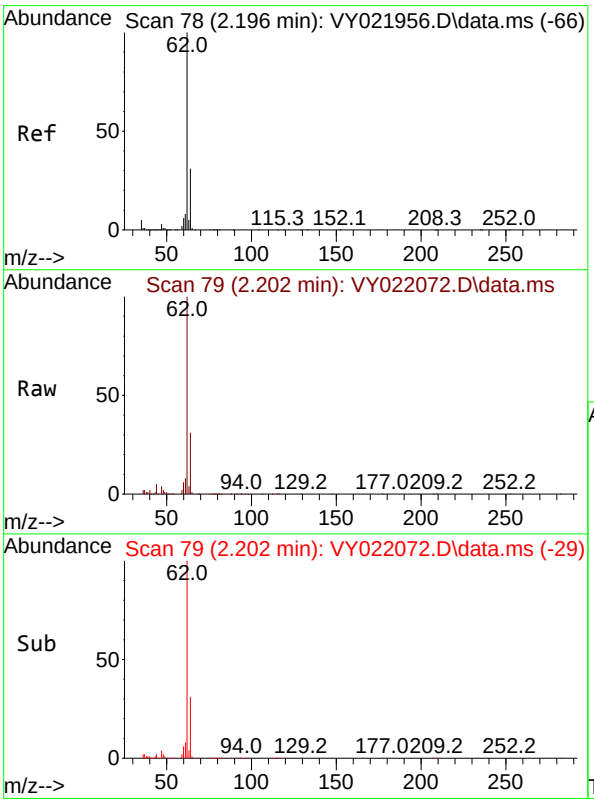
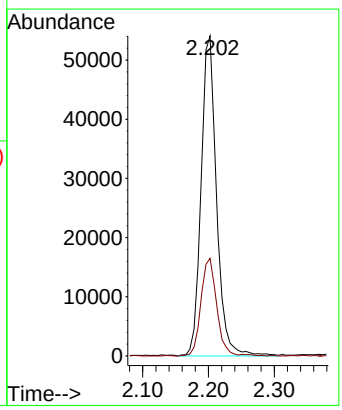
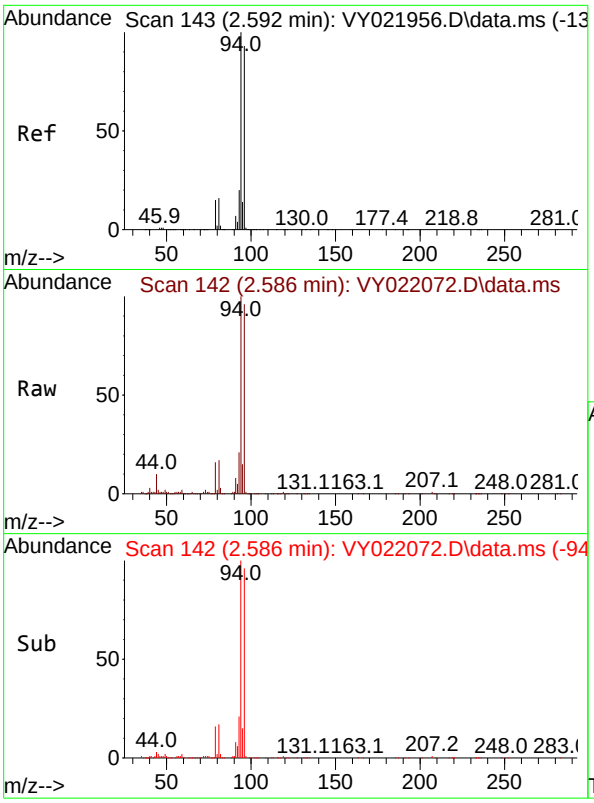


#4
Vinyl Chloride
Concen: 20.704 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 62 Resp: 88437

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.1	37.7





#5
Bromomethane
Concen: 22.751 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 94 Resp: 8372

Ion	Ratio	Lower	Upper
94	100		
96	95.9	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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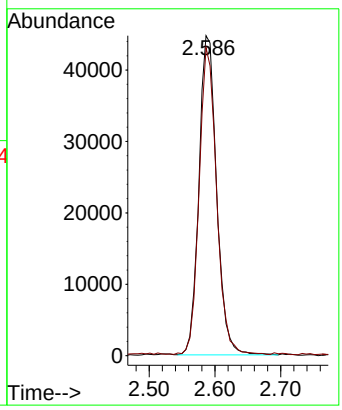
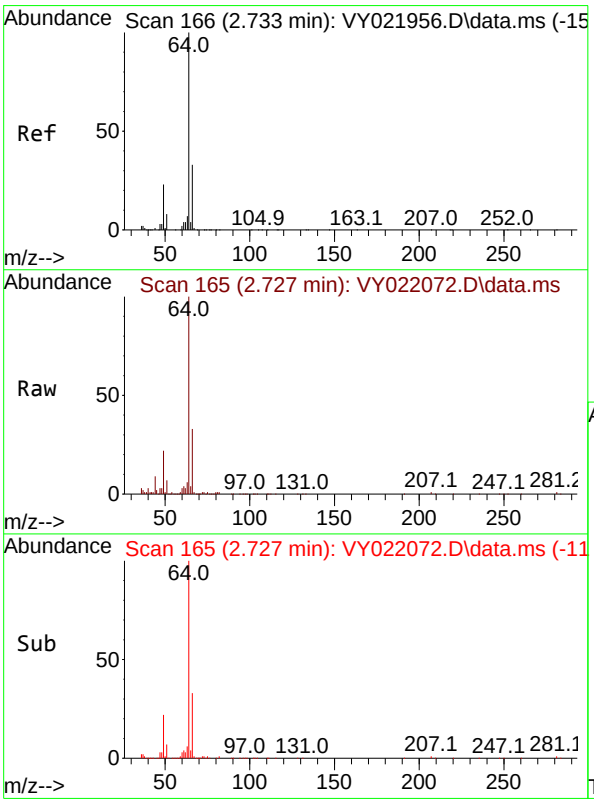
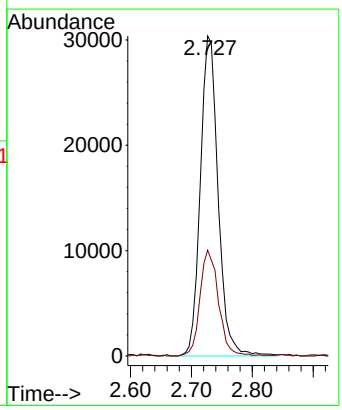


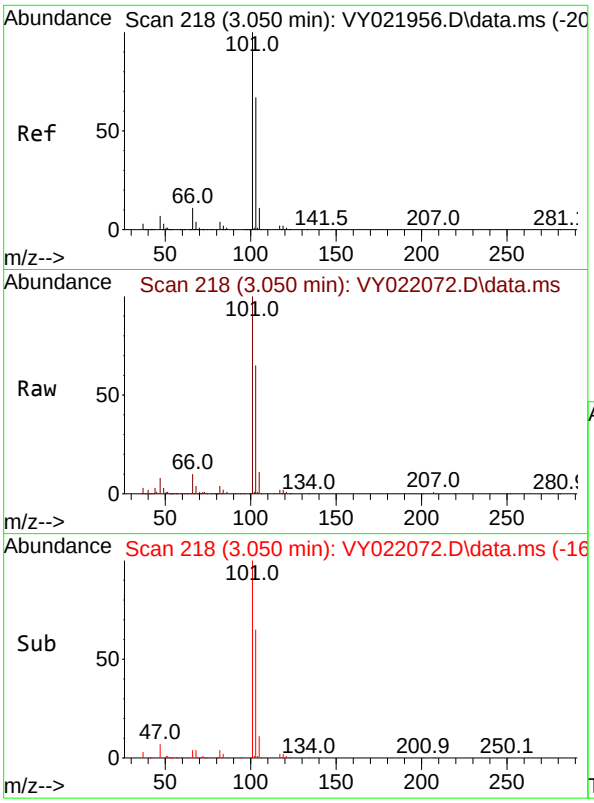


#6
Chloroethane
Concen: 21.186 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 64 Resp: 61631

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.2	39.4

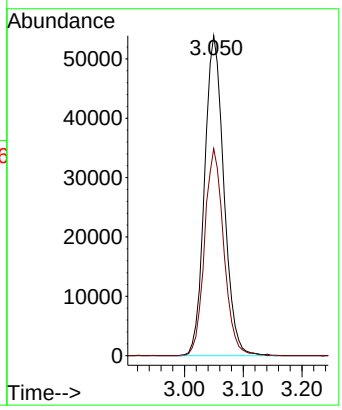




#7
Trichlorofluoromethane
Concen: 21.811 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:101 Resp: 12285

Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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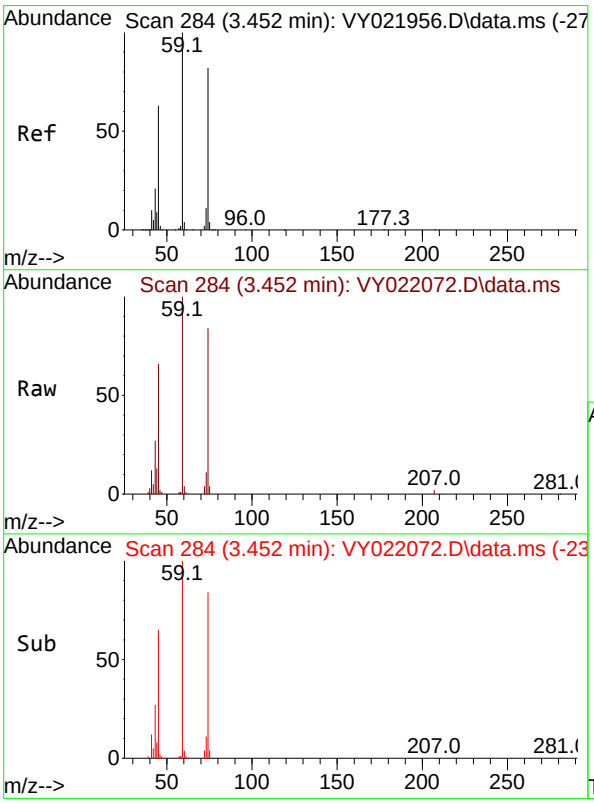
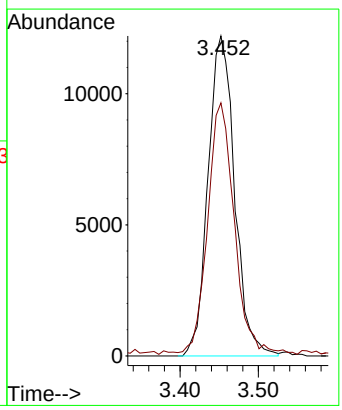
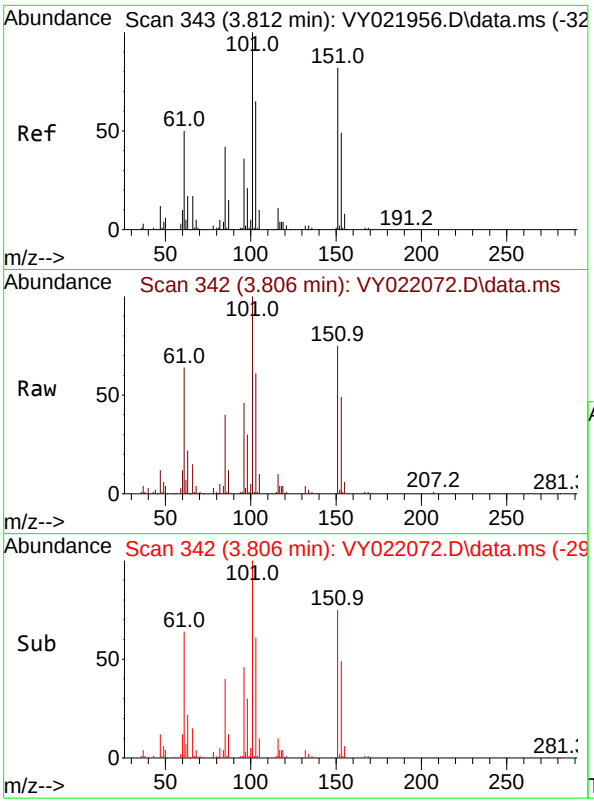


#8
Diethyl Ether
Concen: 19.608 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 74 Resp: 28746

Ion	Ratio	Lower	Upper
74	100		
45	79.0	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.385 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:101 Resp: 6228

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.6	51.8
151	79.2	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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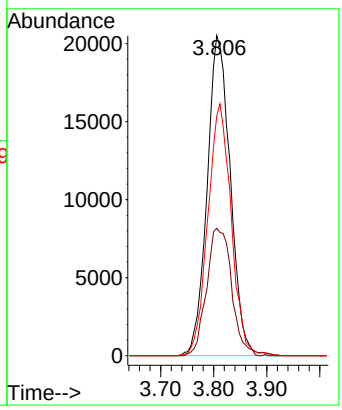
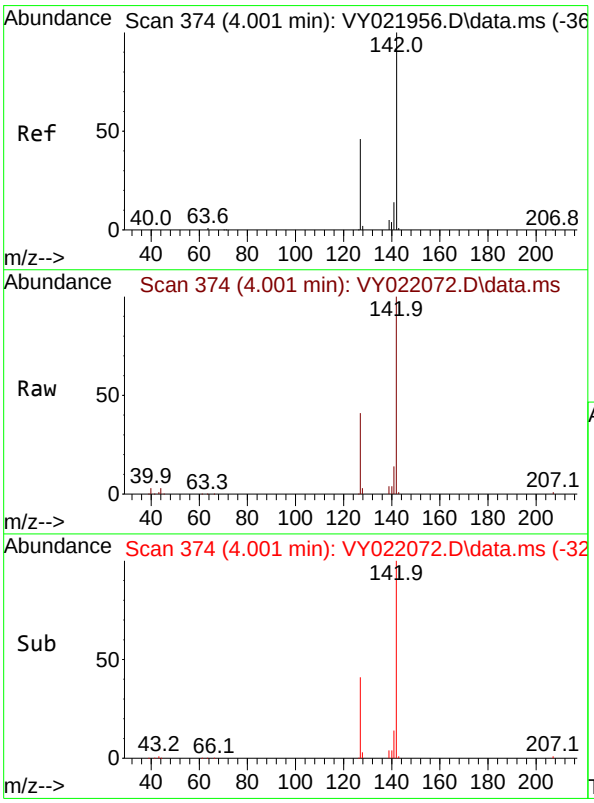
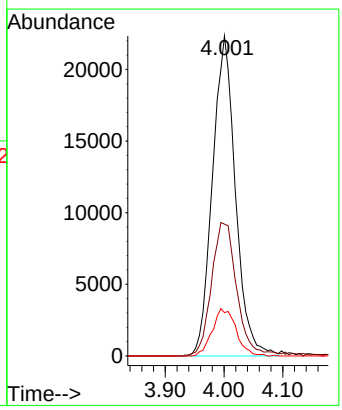


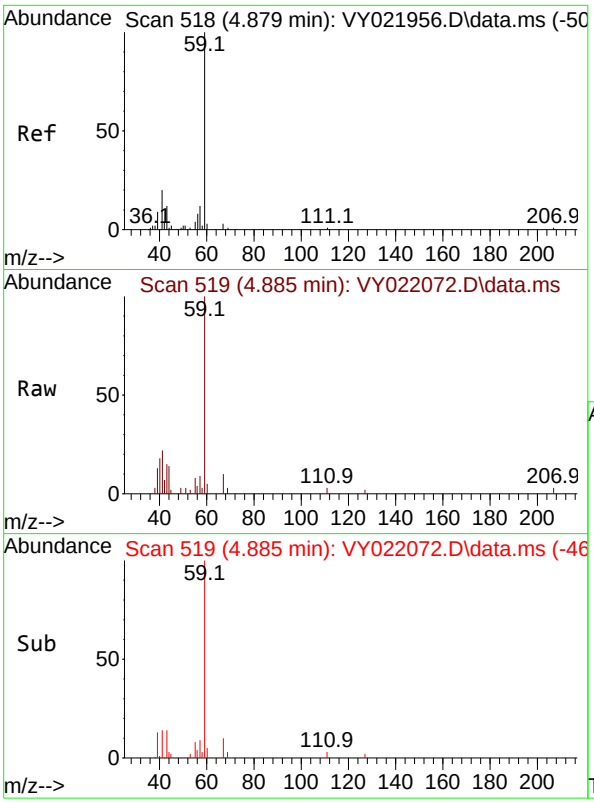


#10
Methyl Iodide
Concen: 17.172 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:142 Resp: 60748

Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.2	54.2
141	15.3	11.7	17.5





#11
Tert butyl alcohol
Concen: 95.838 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 59 Resp: 1392

Ion	Ratio	Lower	Upper
59	100		
57	6.5	9.3	13.9#

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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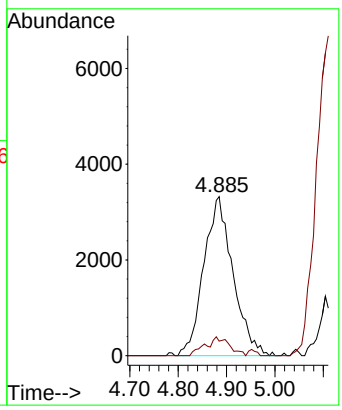
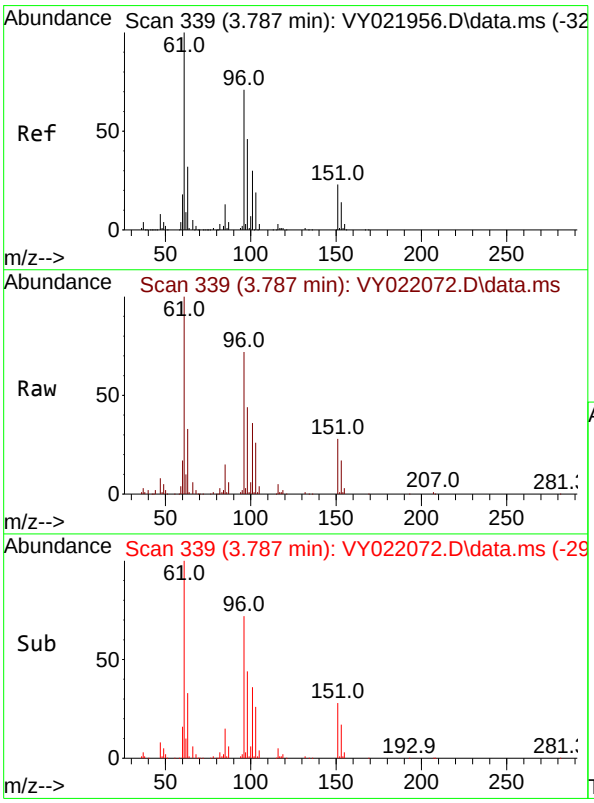
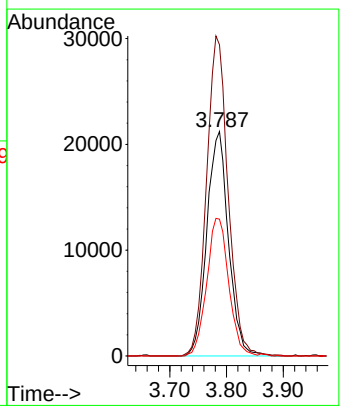


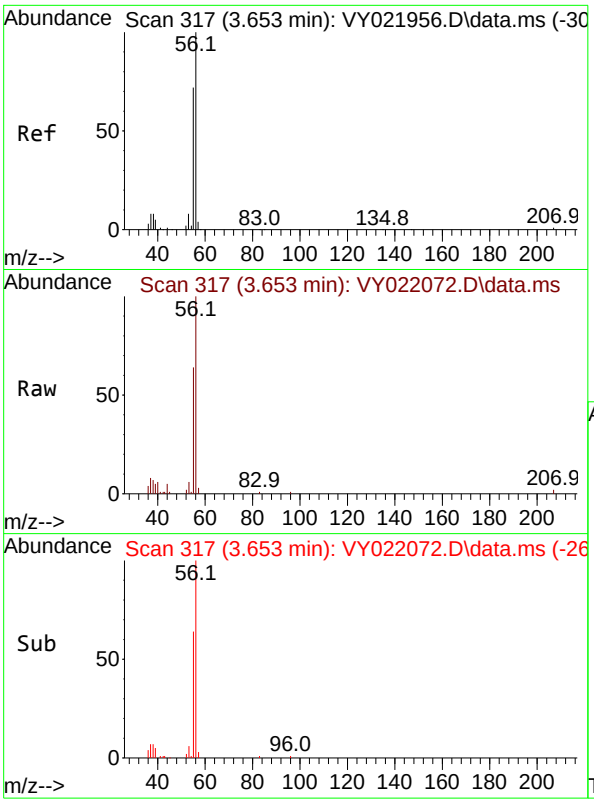


#12
1,1-Dichloroethene
Concen: 19.722 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 96 Resp: 56168

Ion	Ratio	Lower	Upper
96	100		
61	138.7	113.0	169.4
98	60.9	51.4	77.2





#13
Acrolein
Concen: 86.396 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 56 Resp: 2252

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.4	86.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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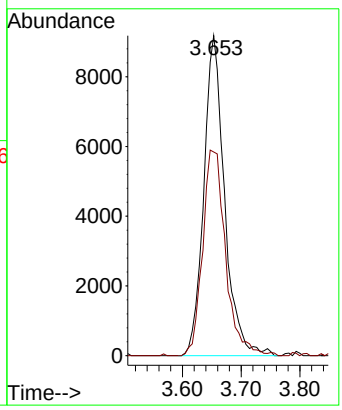
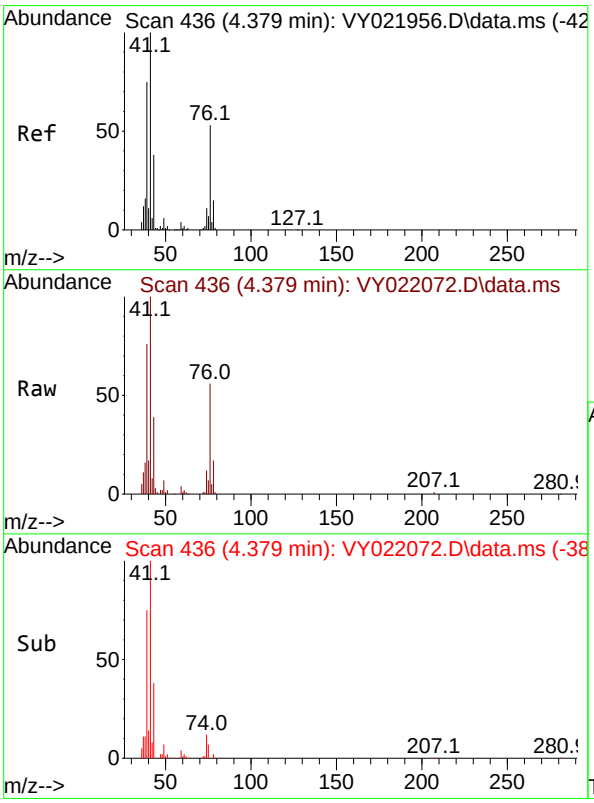
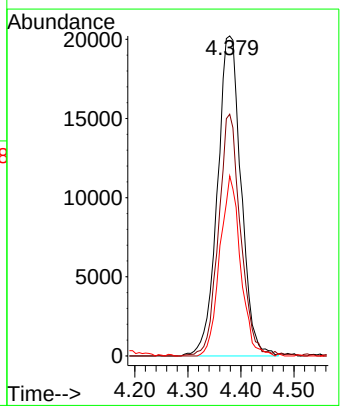


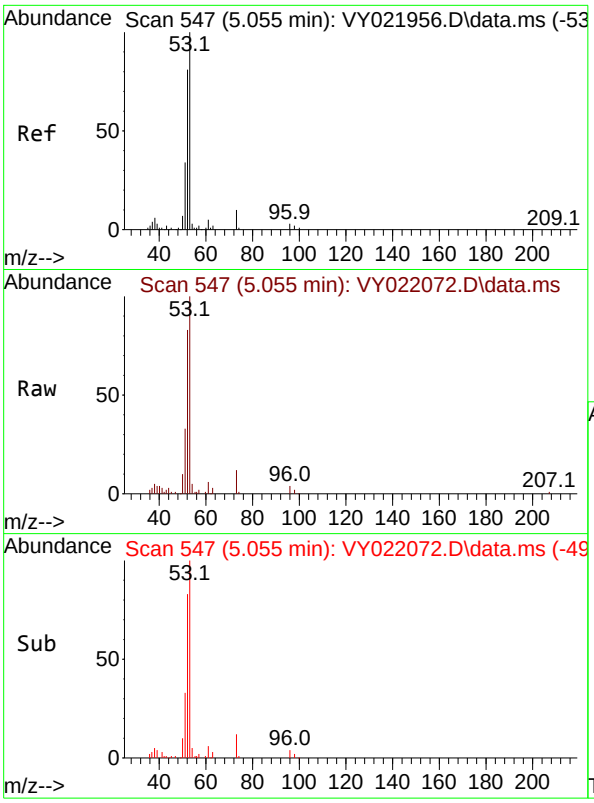


#14
Allyl chloride
Concen: 18.895 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 41 Resp: 62659

Ion	Ratio	Lower	Upper
41	100		
39	70.8	57.2	85.8
76	49.3	39.7	59.5





#15
Acrylonitrile
Concen: 95.667 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 53 Resp: 51344

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.0	97.6
51	37.4	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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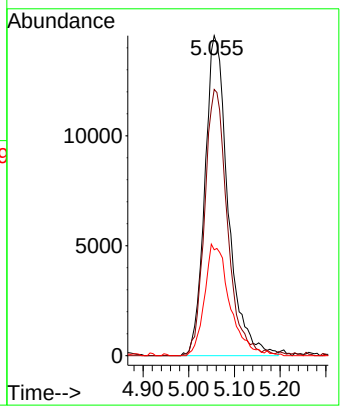
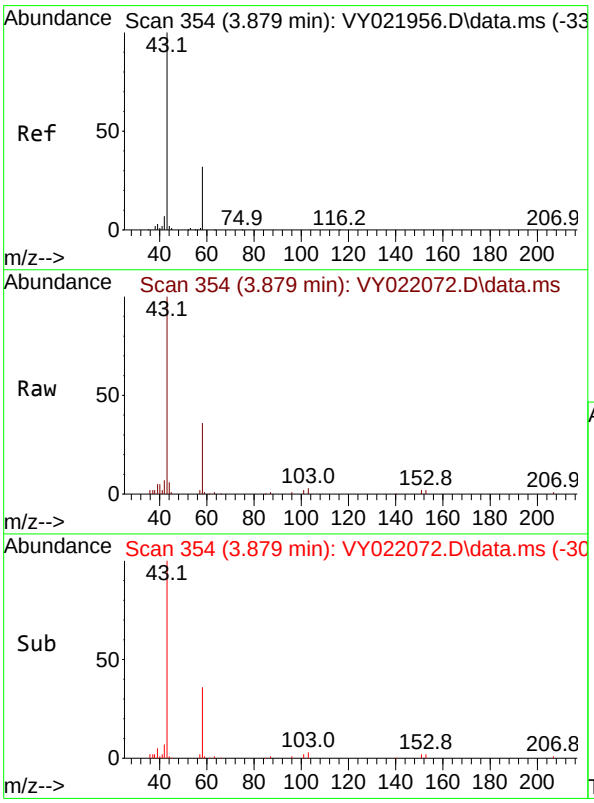
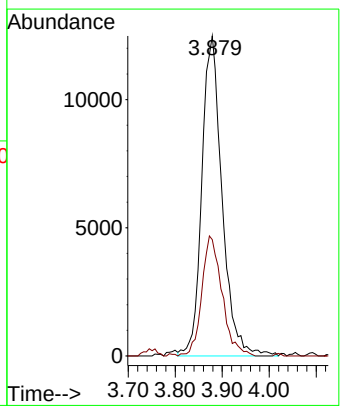


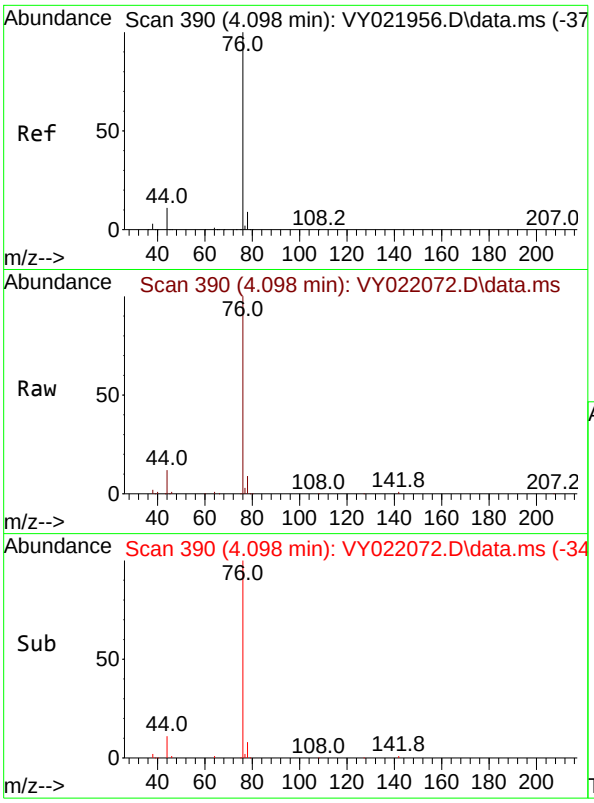


#16
Acetone
Concen: 94.535 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 37345

Ion	Ratio	Lower	Upper
43	100		
58	36.3	27.0	40.4





#17
Carbon Disulfide
Concen: 19.861 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 76 Resp: 18035

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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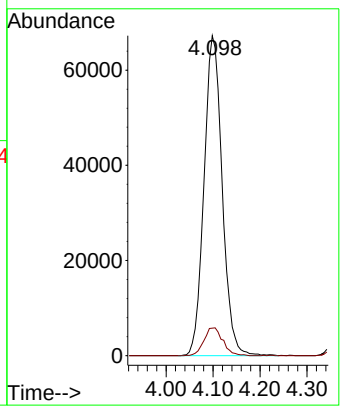
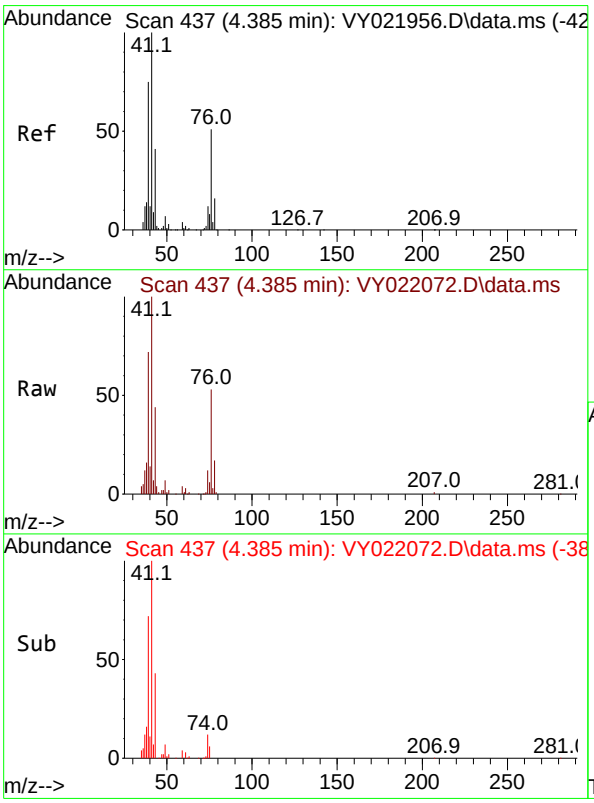
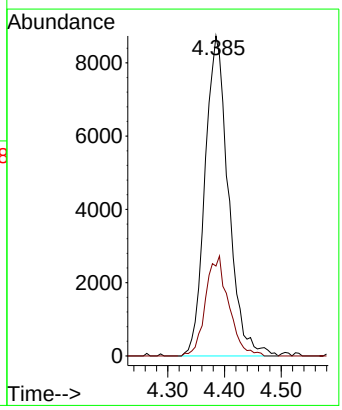


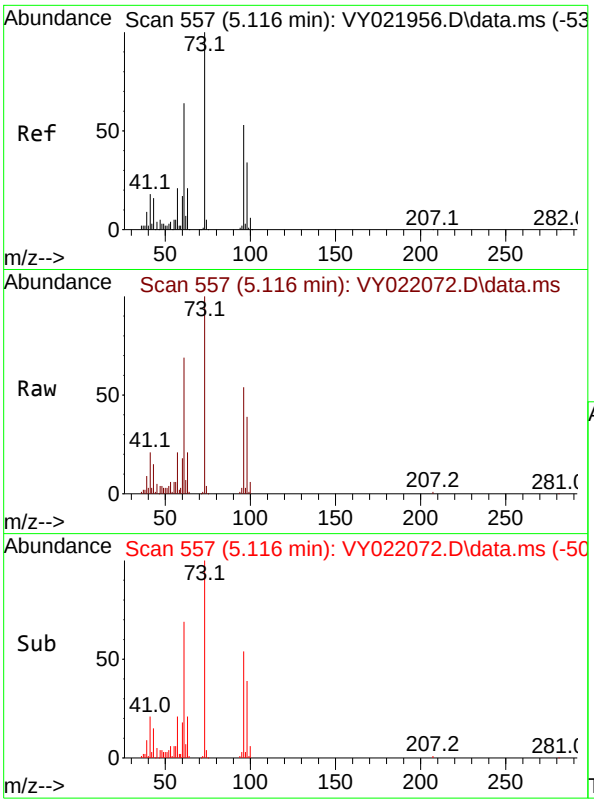


#18
Methyl Acetate
Concen: 20.250 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 25031

Ion	Ratio	Lower	Upper
43	100		
74	30.9	24.2	36.4





#19
Methyl tert-butyl Ether
Concen: 18.988 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 73 Resp: 12103

Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.9	25.3

Instrument :
MSVOA_Y
ClientSampleId :
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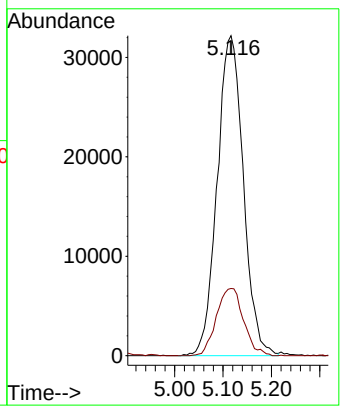
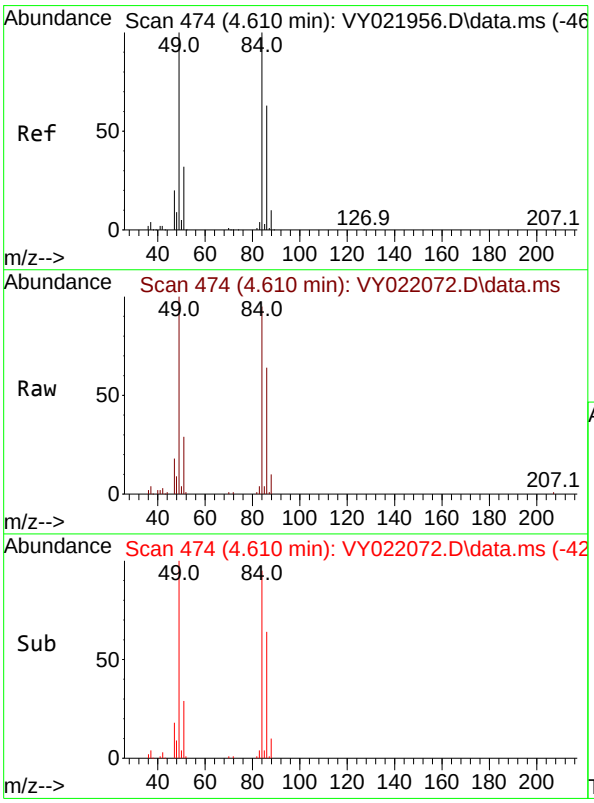
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

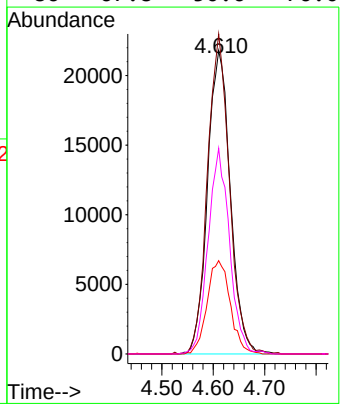


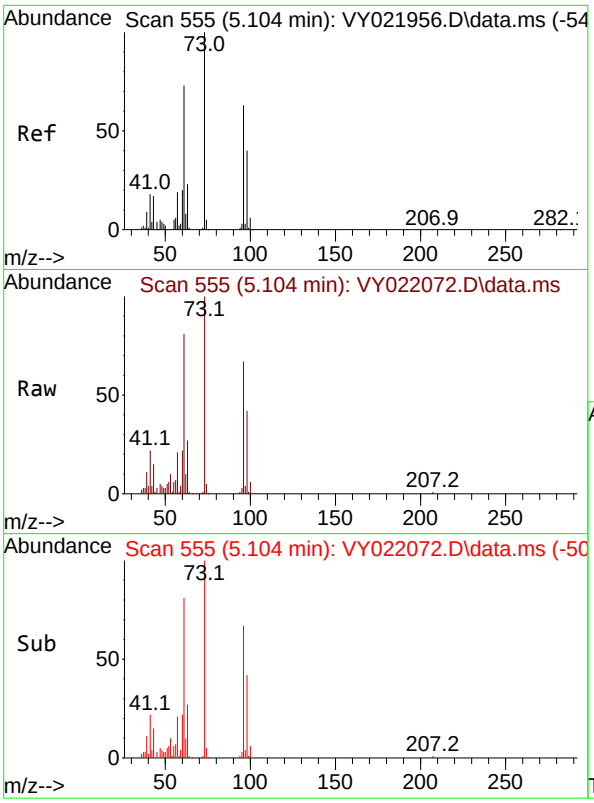


#20
Methylene Chloride
Concen: 20.048 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 84 Resp: 67082

Ion	Ratio	Lower	Upper
84	100		
49	105.5	79.9	119.9
51	30.7	25.4	38.0
86	67.8	50.6	76.0

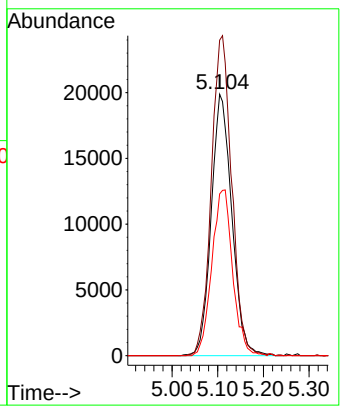




#21
trans-1,2-Dichloroethene
Concen: 19.509 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 96 Resp: 6222

Ion	Ratio	Lower	Upper
96	100		
61	120.7	92.6	138.8
98	61.9	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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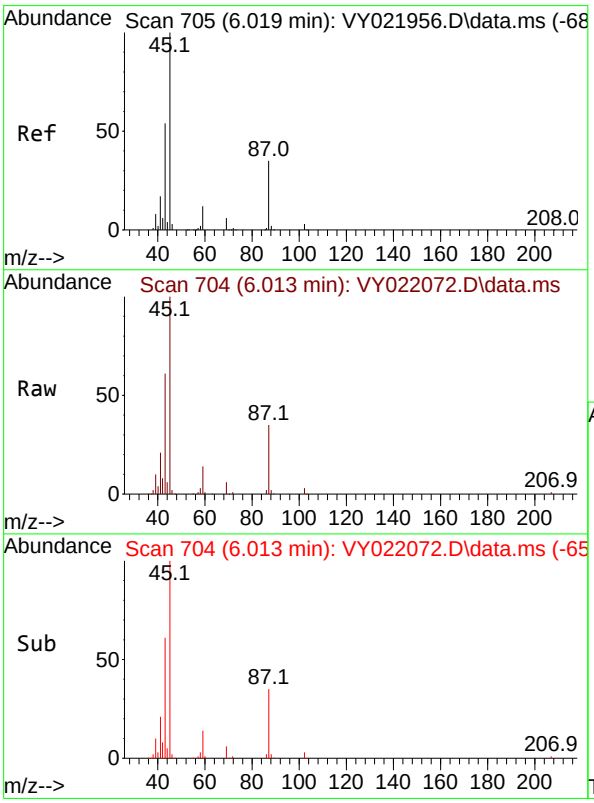
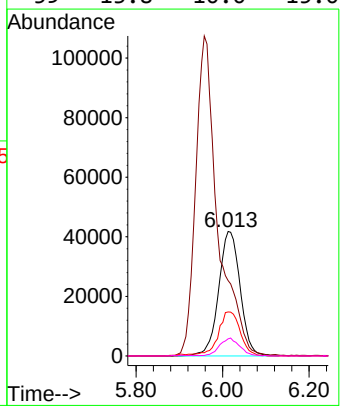
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

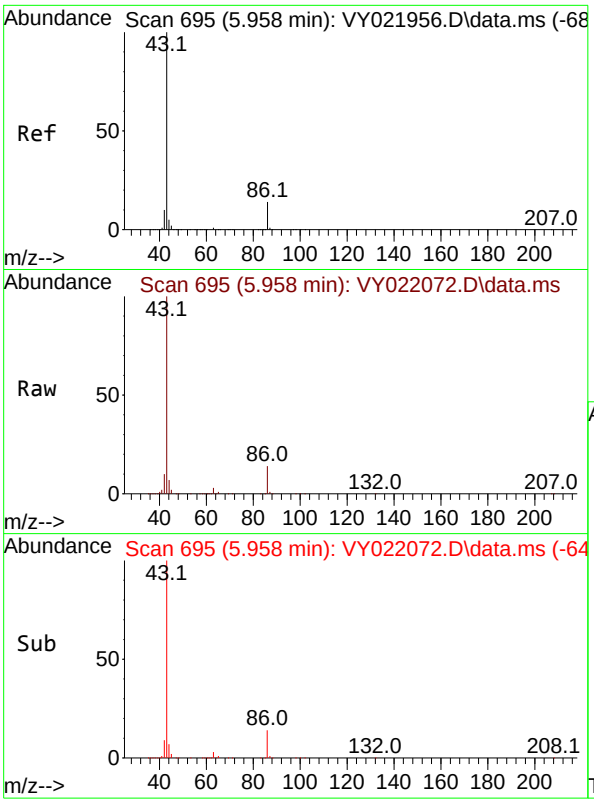


#22
Diisopropyl ether
Concen: 19.535 ug/l
RT: 6.013 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 45 Resp: 144165

Ion	Ratio	Lower	Upper
45	100		
43	59.7	43.6	65.4
87	35.3	28.2	42.4
59	13.8	10.0	15.0

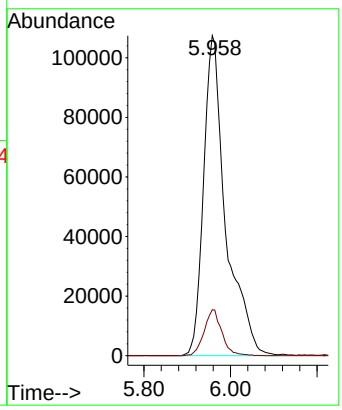




#23
Vinyl Acetate
Concen: 96.013 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 38186

Ion	Ratio	Lower	Upper
43	100		
86	14.4	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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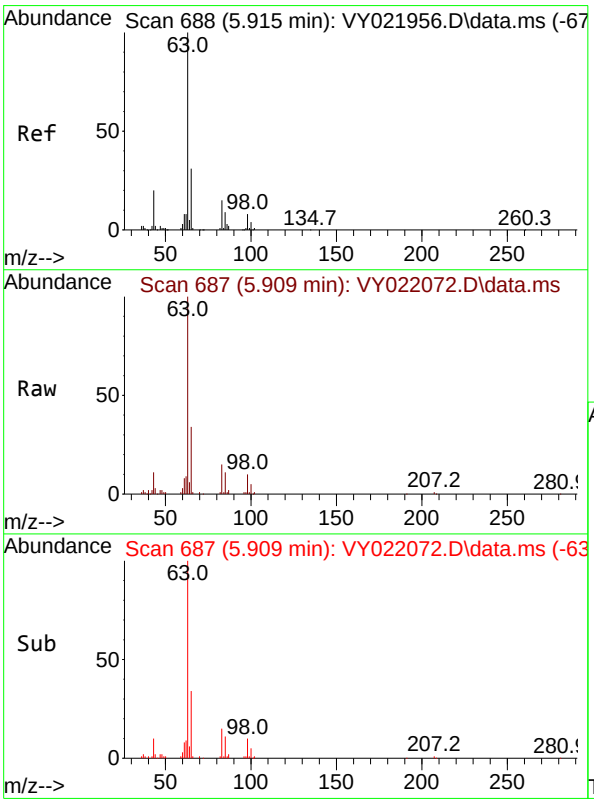
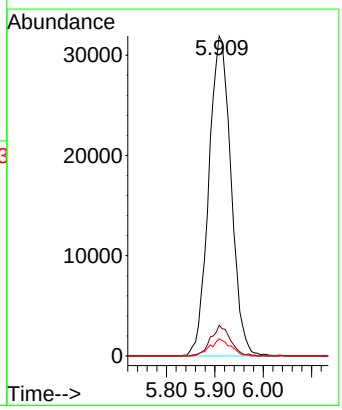
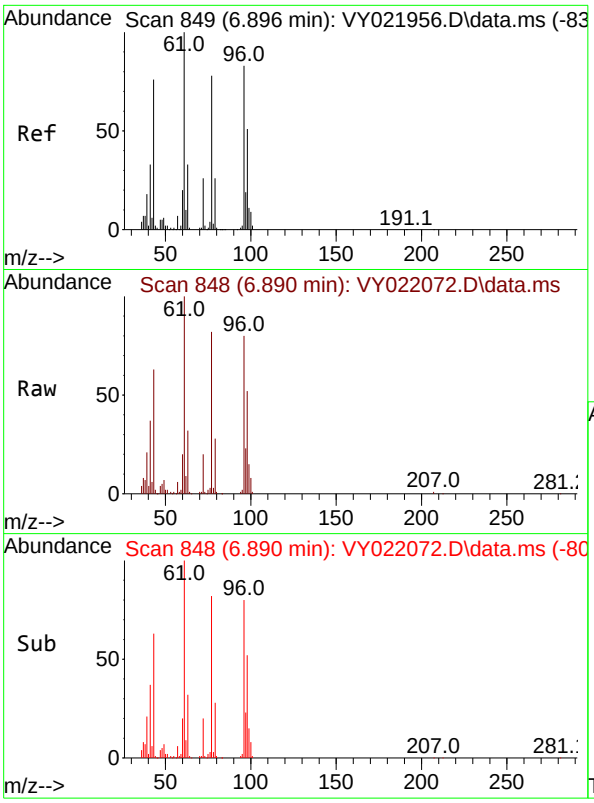


#24
1,1-Dichloroethane
Concen: 19.903 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 63 Resp: 101810

Ion	Ratio	Lower	Upper
63	100		
98	9.6	4.0	11.9
100	5.3	2.0	6.0





#25
2-Butanone
Concen: 92.728 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 5593

Ion	Ratio	Lower	Upper
43	100		
72	31.9	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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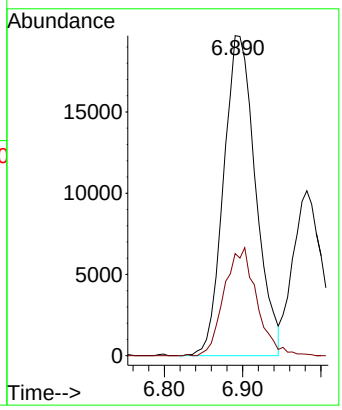
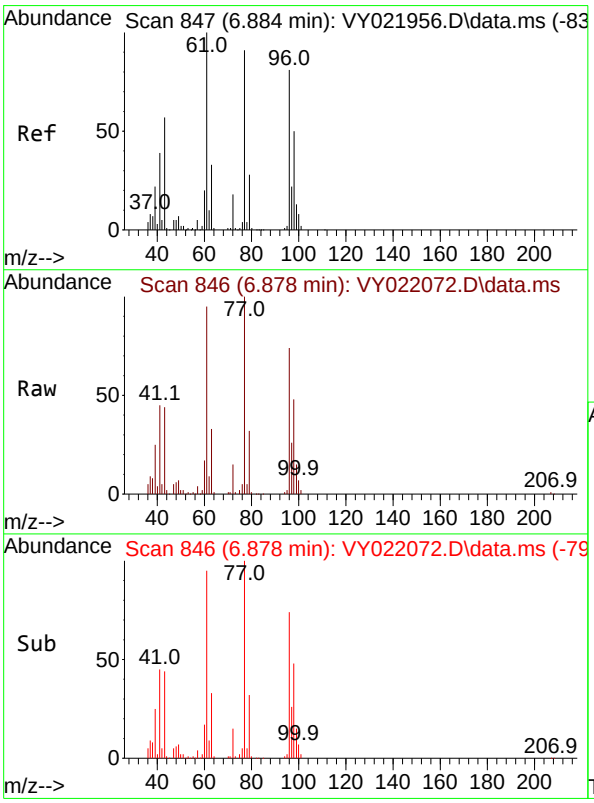
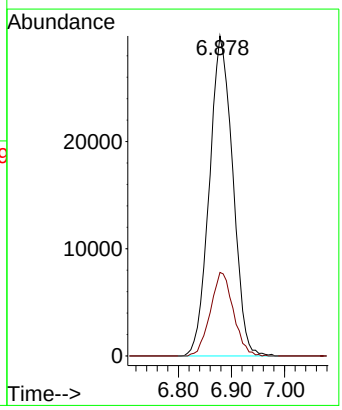


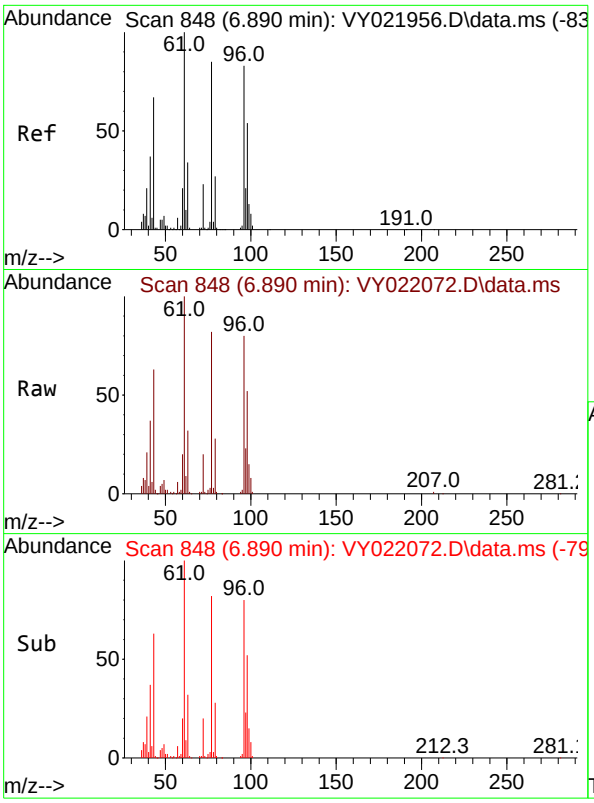


#26
2,2-Dichloropropane
Concen: 20.394 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 77 Resp: 91436

Ion	Ratio	Lower	Upper
77	100		
97	25.7	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 19.469 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 96 Resp: 6943

Ion	Ratio	Lower	Upper
96	100		
61	125.8	0.0	251.4
98	66.5	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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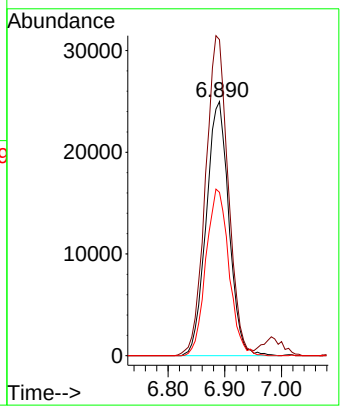
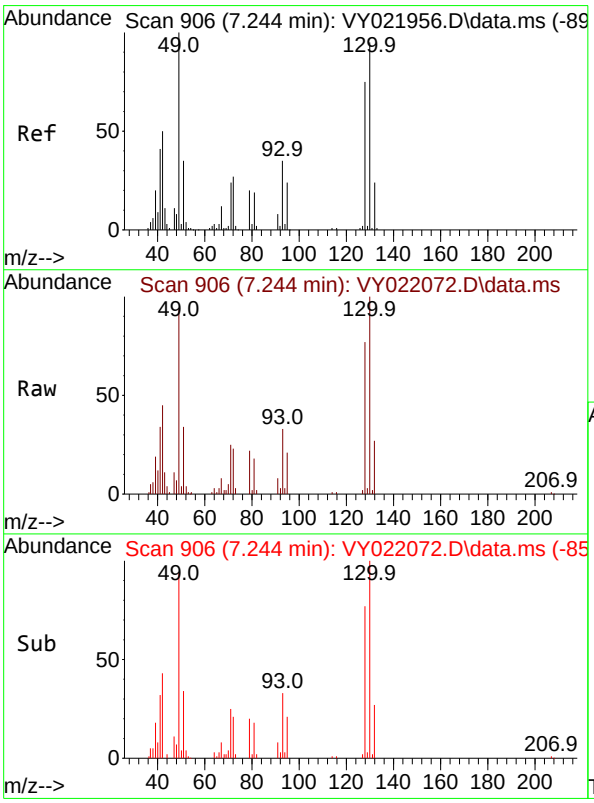
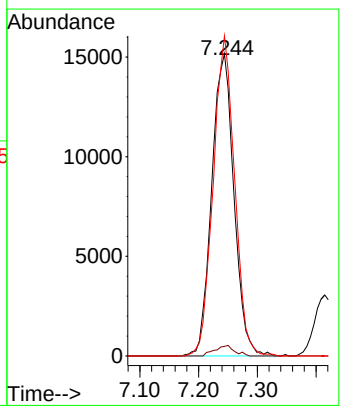


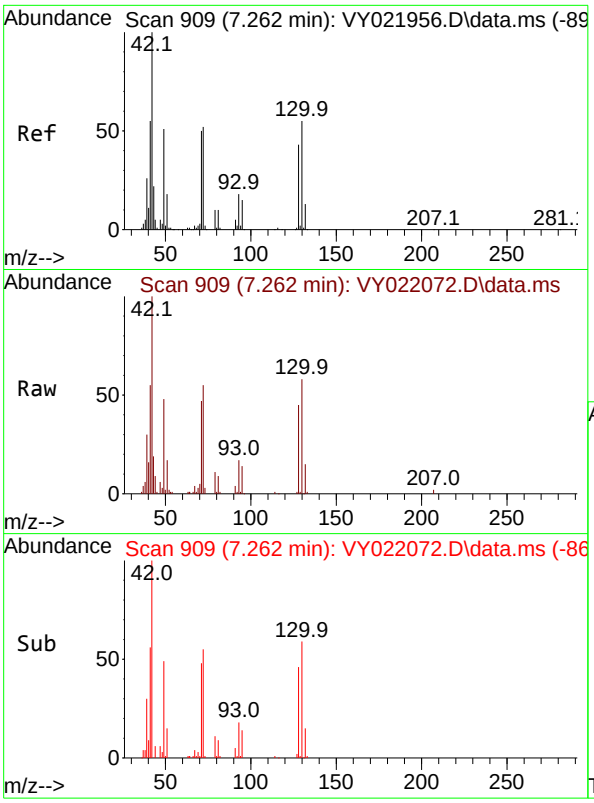


#28
Bromochloromethane
Concen: 20.047 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 49 Resp: 39832

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.0
130	102.2	78.2	117.4

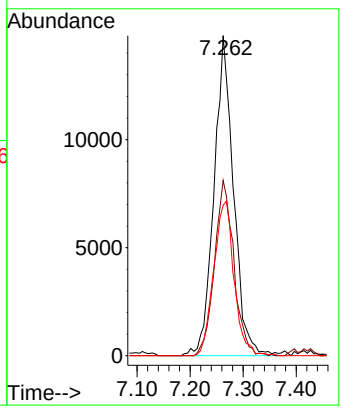




#29
Tetrahydrofuran
Concen: 96.936 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 42 Resp: 3797(

Ion	Ratio	Lower	Upper
42	100		
72	54.2	42.6	63.8
71	50.1	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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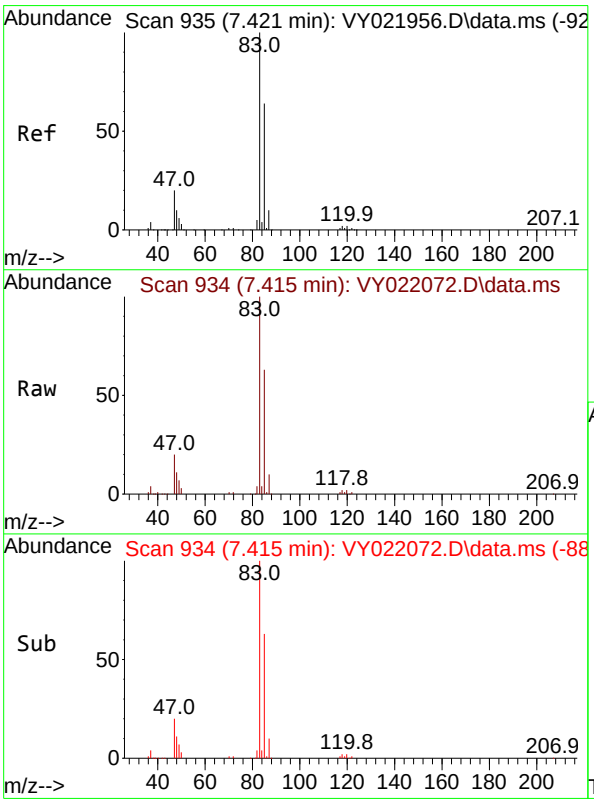
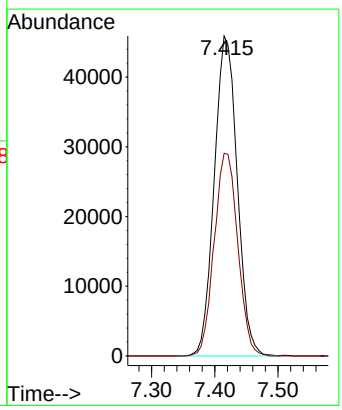
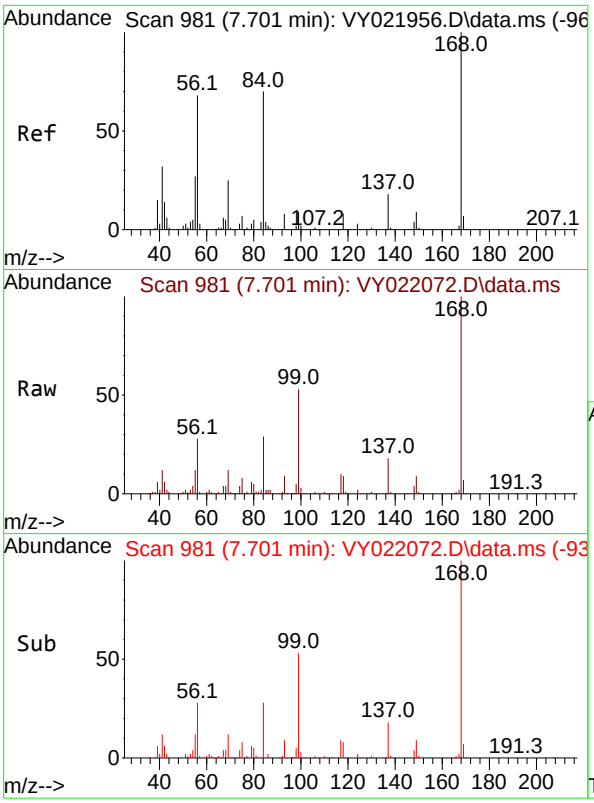


#30
Chloroform
Concen: 20.378 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 83 Resp: 115625

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.3	76.9





#31
Cyclohexane
Concen: 18.857 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 56 Resp: 8248

Ion	Ratio	Lower	Upper
56	100		
69	41.6	29.4	44.2
84	103.2	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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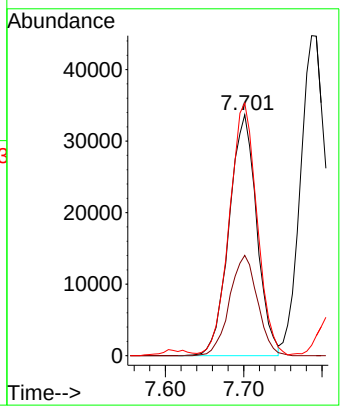
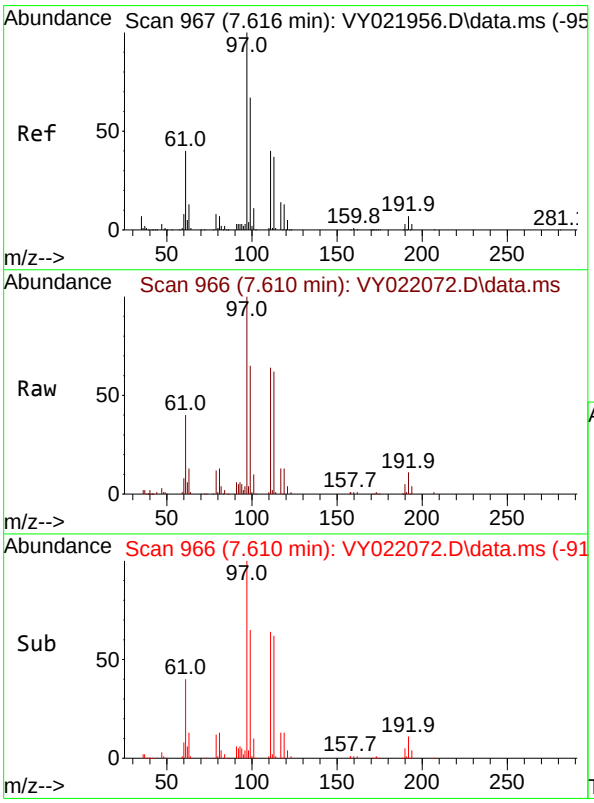
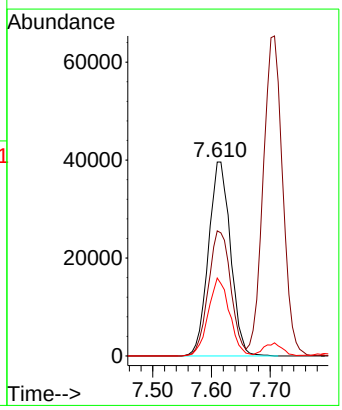


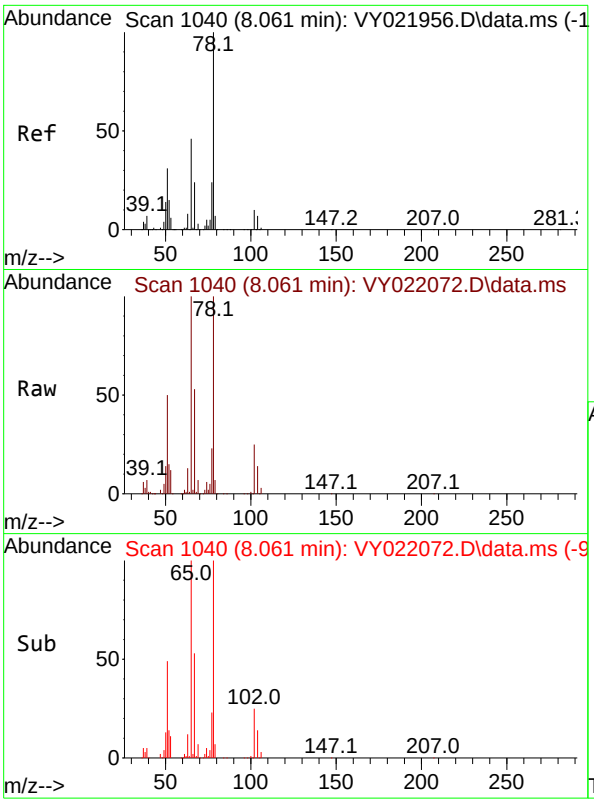


#32
1,1,1-Trichloroethane
Concen: 20.124 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 97 Resp: 103303

Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	38.9	31.4	47.2

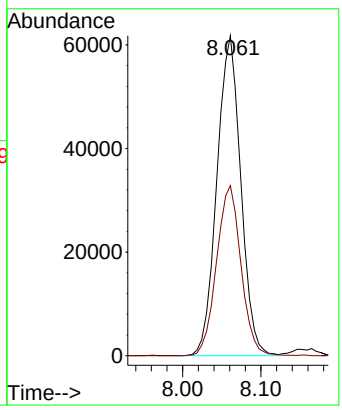




#33
1,2-Dichloroethane-d4
Concen: 49.509 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 65 Resp: 13101

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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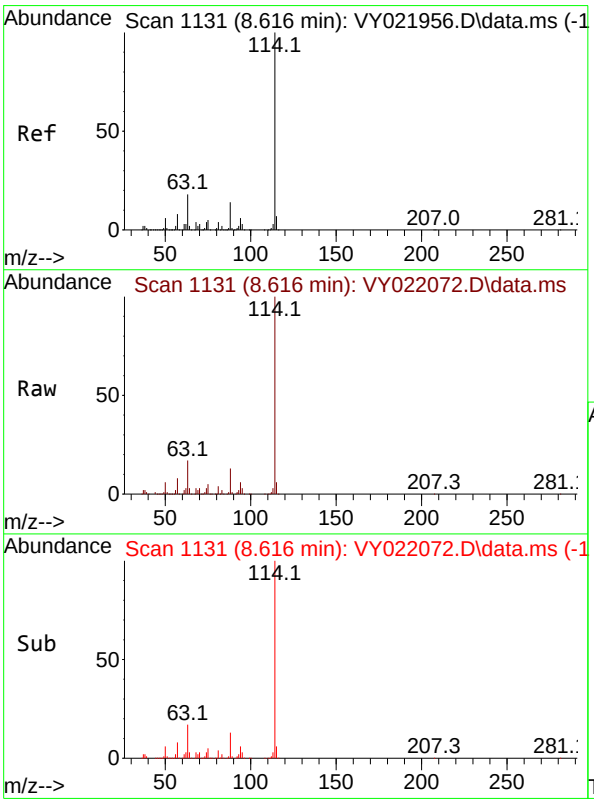
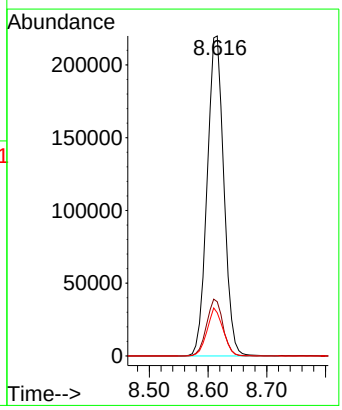
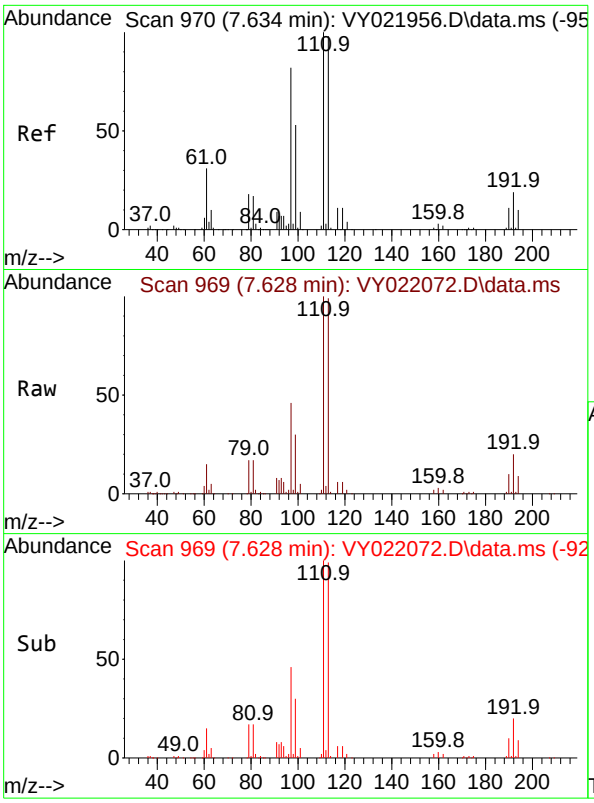


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:114 Resp: 433702

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.4
88	13.5	0.0	28.2

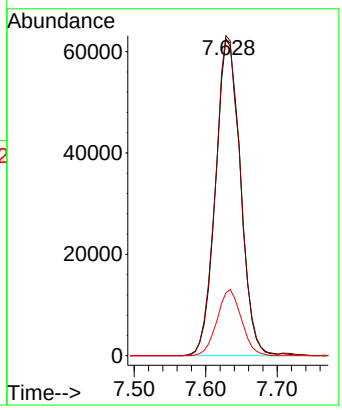




#35
Dibromofluoromethane
Concen: 52.643 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:113 Resp: 15083

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.8
192	20.4	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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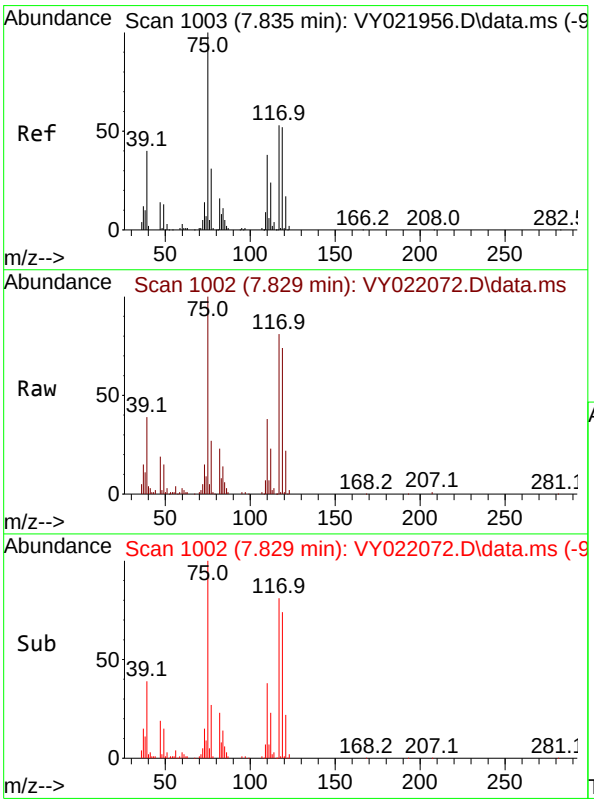
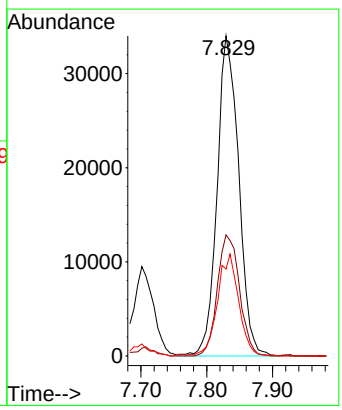
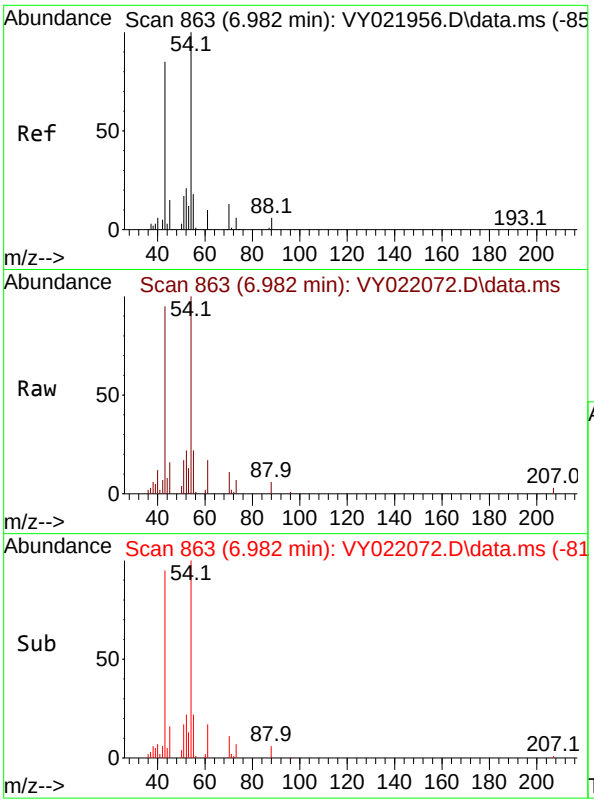


#36
1,1-Dichloropropene
Concen: 20.200 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 77745

Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.1	57.3
77	31.3	25.5	38.3





#37
Ethyl Acetate
Concen: 20.541 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 2839

Ion	Ratio	Lower	Upper
43	100		
61	16.1	13.8	20.6
70	12.7	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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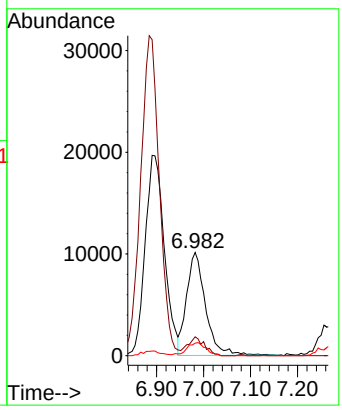
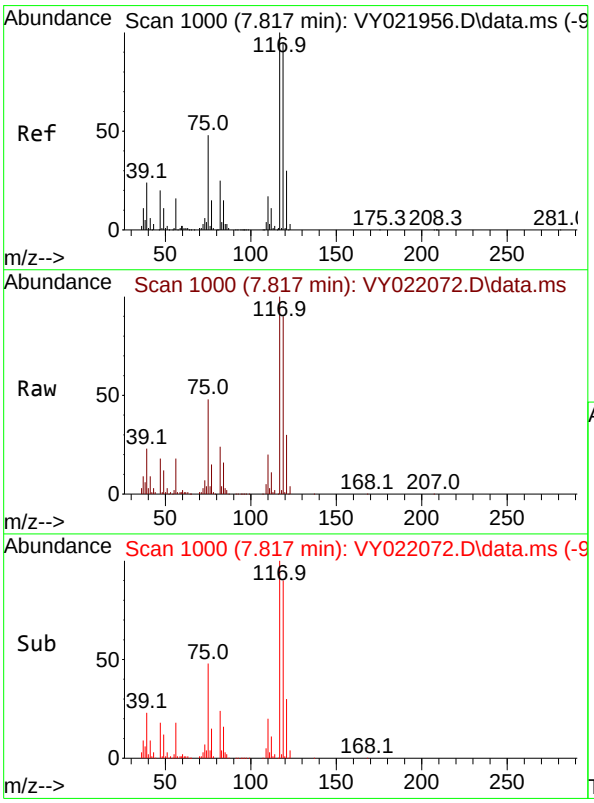
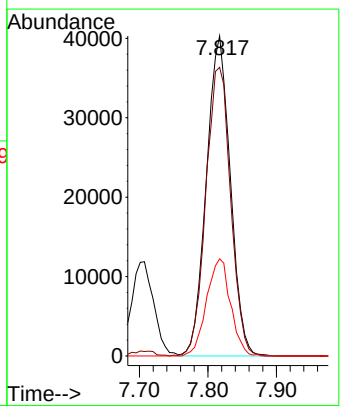


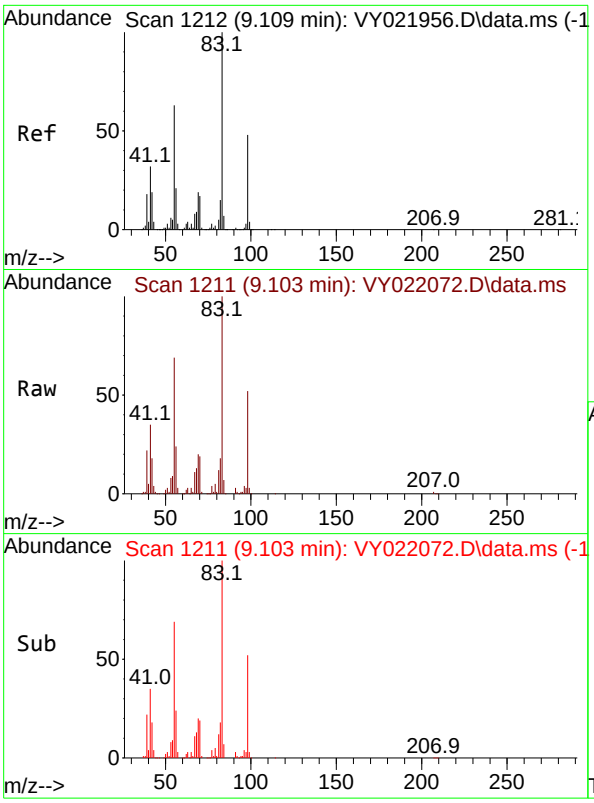


#38
Carbon Tetrachloride
Concen: 21.282 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:117 Resp: 97877

Ion	Ratio	Lower	Upper
117	100		
119	90.2	76.2	114.4
121	30.3	24.0	36.0





#39
Methylcyclohexane
Concen: 19.184 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

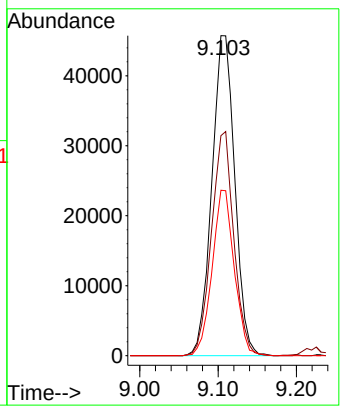
Tgt Ion: 83 Resp: 9291

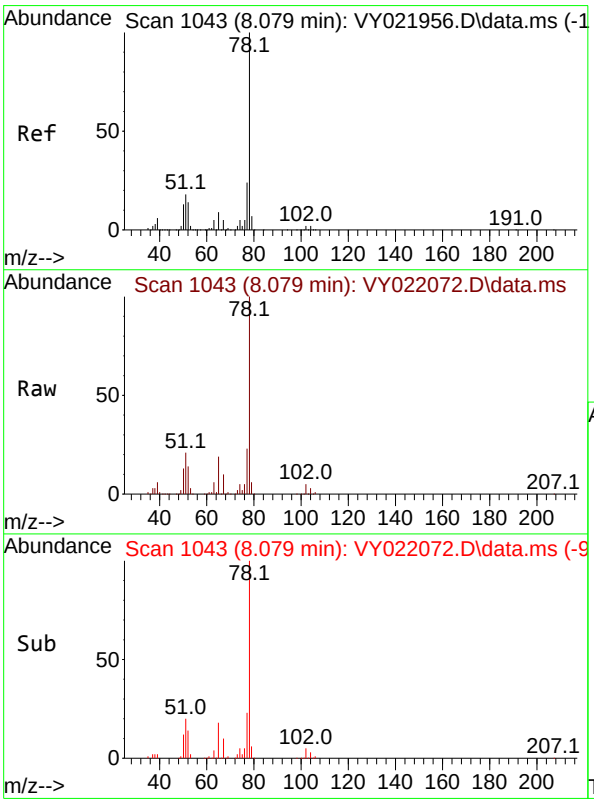
Ion	Ratio	Lower	Upper
83	100		
55	68.8	50.6	75.8
98	51.7	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

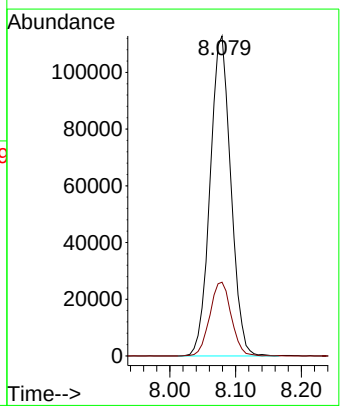


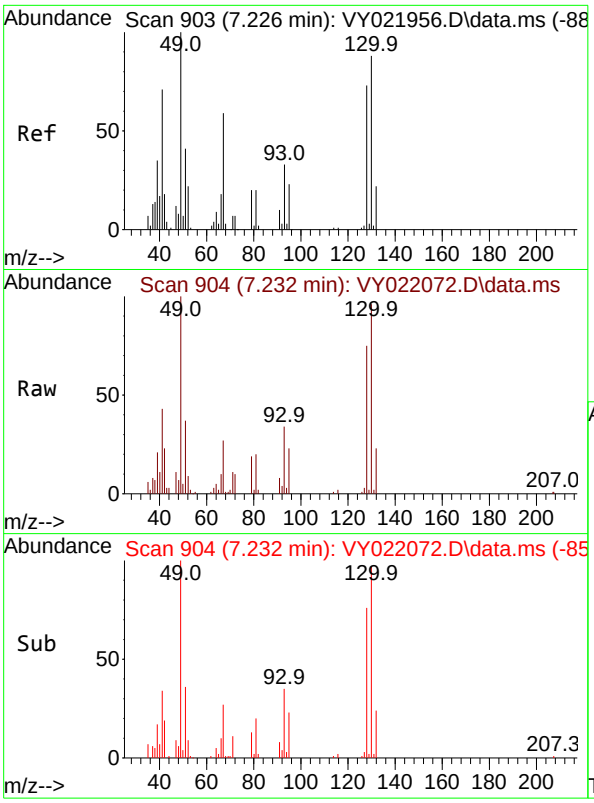


#40
Benzene
Concen: 20.563 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 78 Resp: 247402

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9

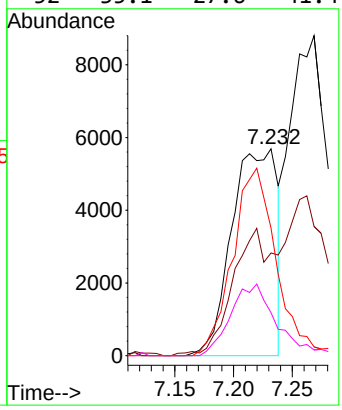




#41
Methacrylonitrile
Concen: 20.257 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 41 Resp: 1530

Ion	Ratio	Lower	Upper
41	100		
39	56.0	36.6	55.0
67	87.2	72.2	108.4
52	35.1	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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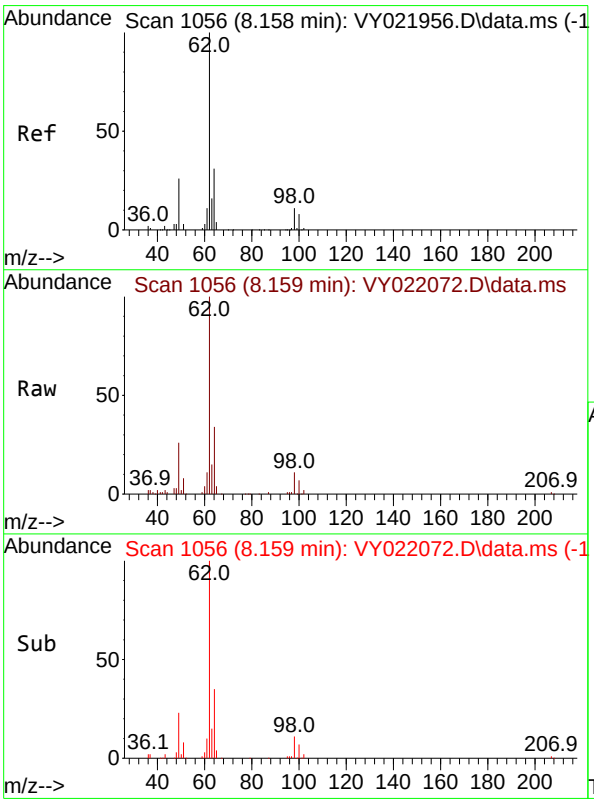
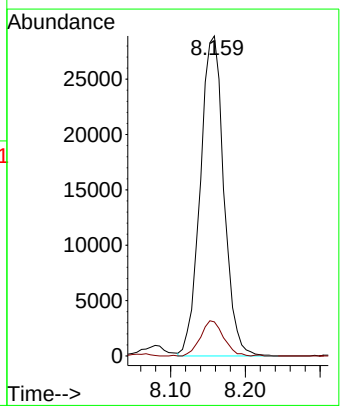
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

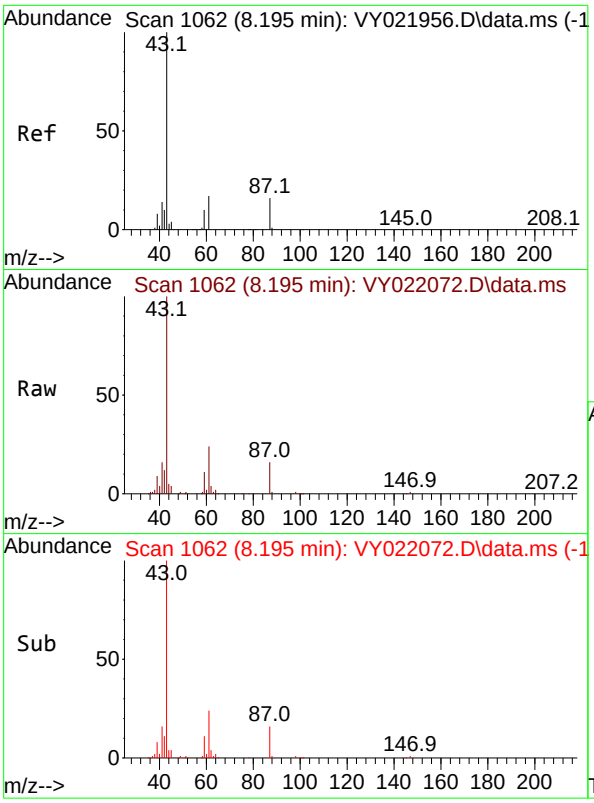


#42
1,2-Dichloroethane
Concen: 21.243 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 62 Resp: 63278

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0

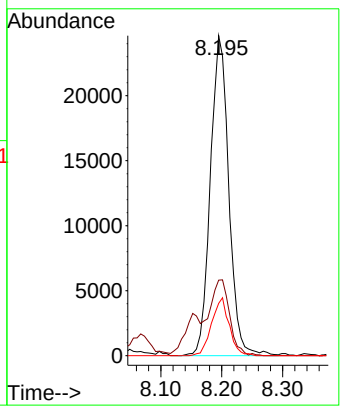




#43
Isopropyl Acetate
Concen: 19.521 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 5182

Ion	Ratio	Lower	Upper
43	100		
61	24.4	18.9	28.3
87	17.2	13.7	20.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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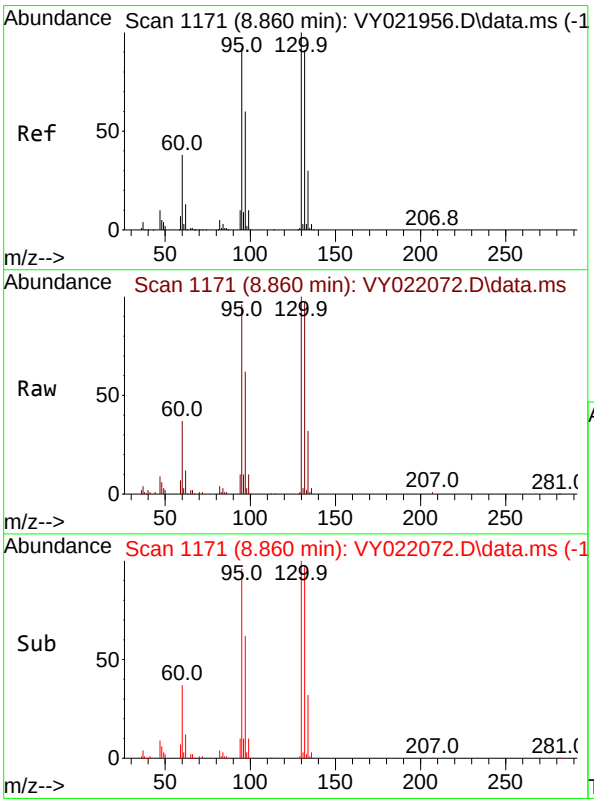
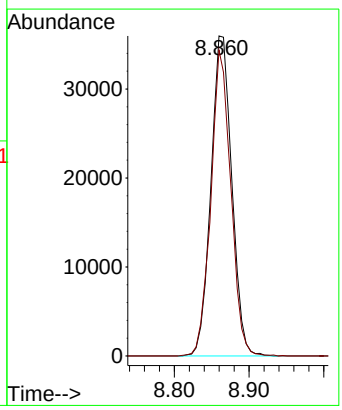
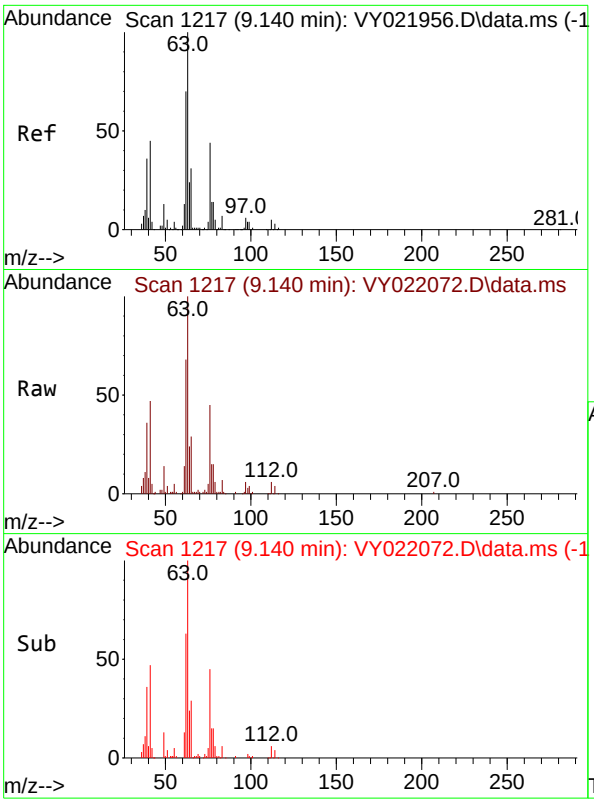


#44
Trichloroethene
Concen: 20.921 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:130 Resp: 69720

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	183.2





#45
1,2-Dichloropropane
Concen: 20.334 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 63 Resp: 5410

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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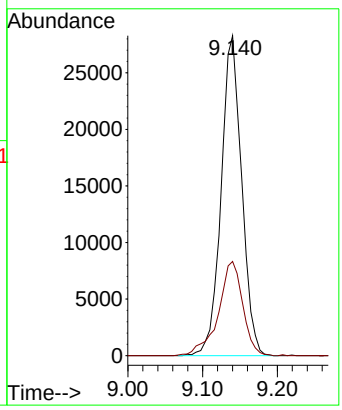
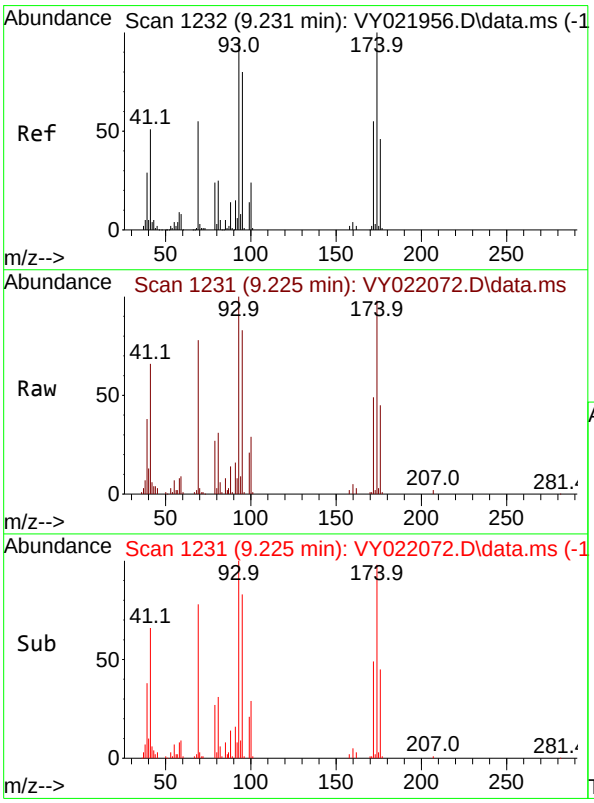
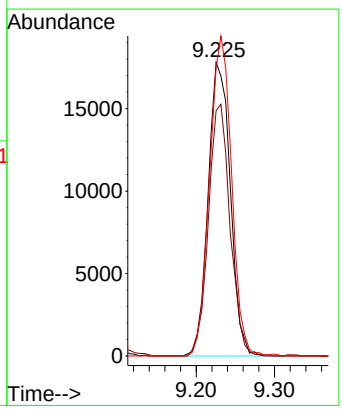


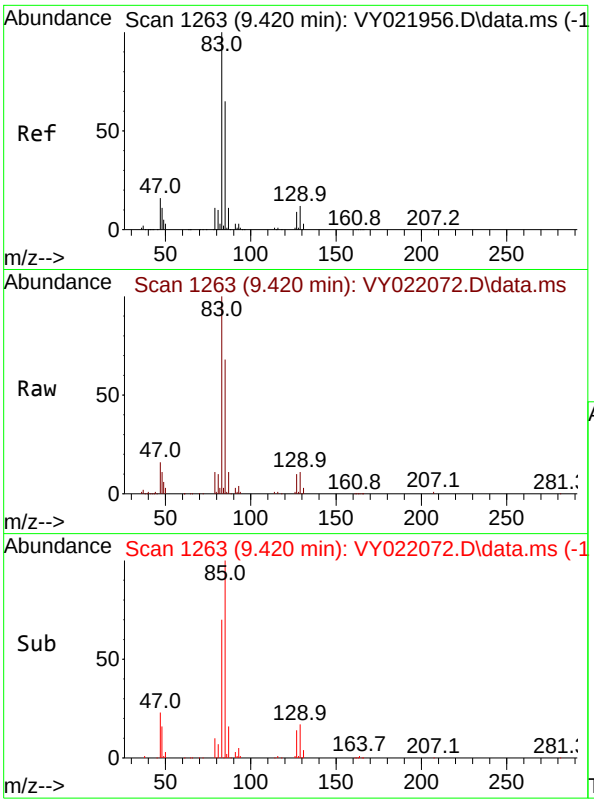


#46
Dibromomethane
Concen: 21.008 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 93 Resp: 34989

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.7	100.1
174	107.7	84.6	127.0

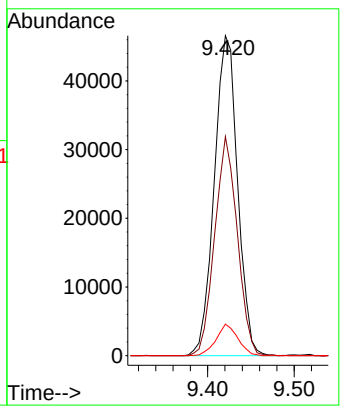




#47
Bromodichloromethane
Concen: 20.931 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 83 Resp: 8708

Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.8	77.8
127	9.9	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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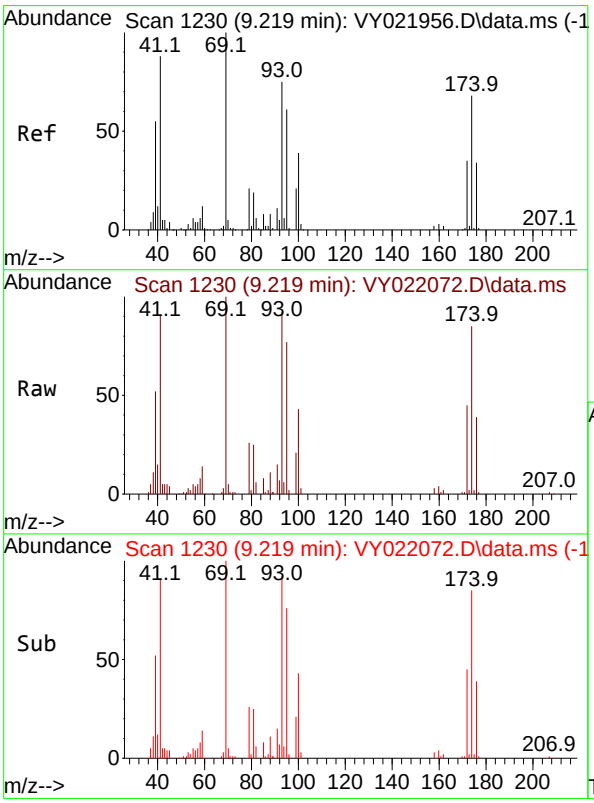
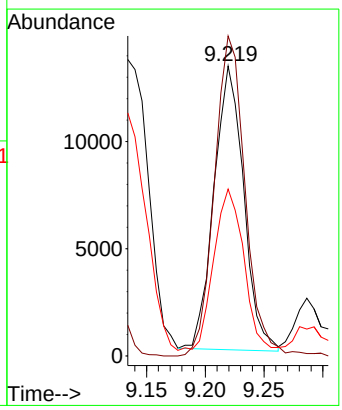
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

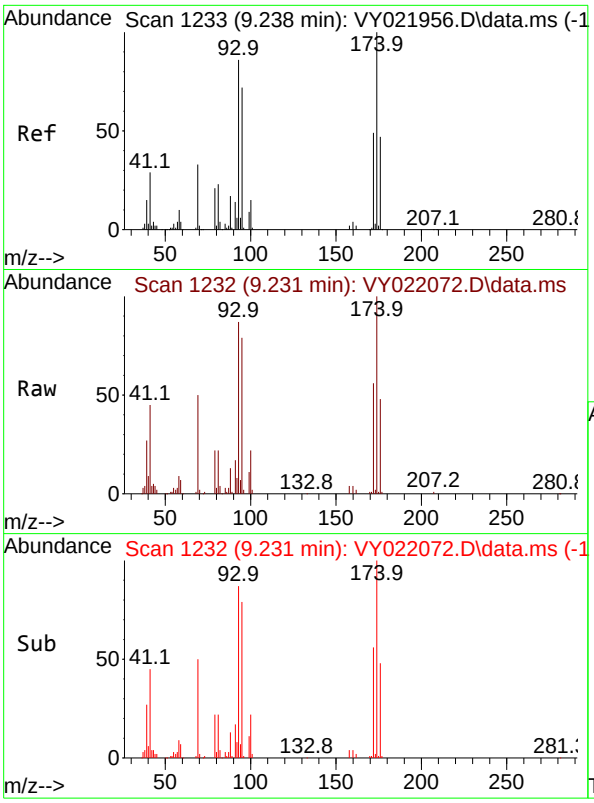


#48
Methyl methacrylate
Concen: 18.974 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 41 Resp: 23285

Ion	Ratio	Lower	Upper
41	100		
69	116.6	85.5	128.3
39	57.1	46.2	69.4





#49
1,4-Dioxane
Concen: 393.308 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

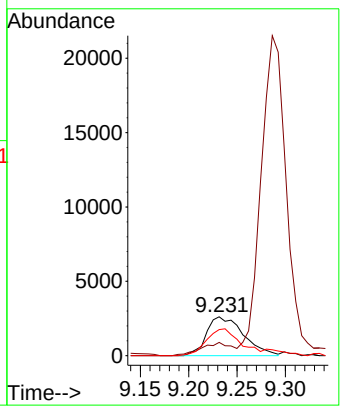
Tgt Ion: 88 Resp: 698

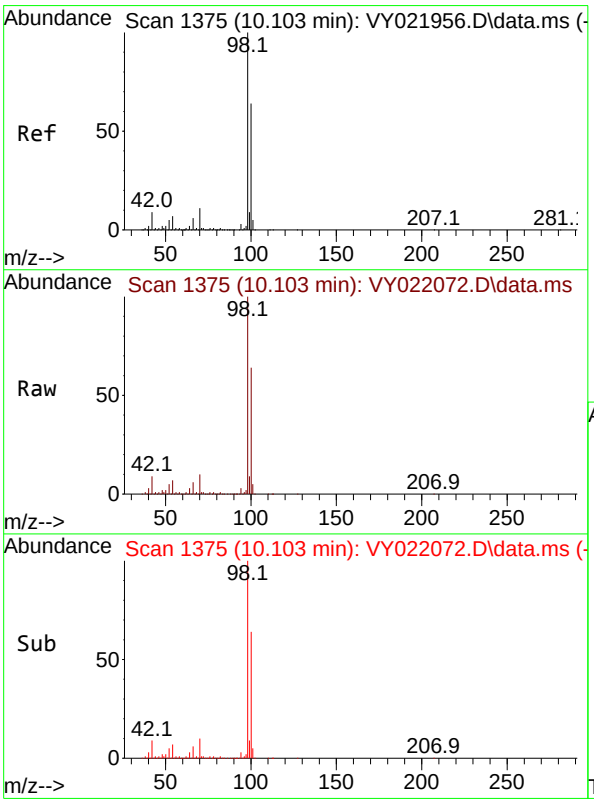
Ion	Ratio	Lower	Upper
88	100		
43	28.0	21.3	31.9
58	71.6	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

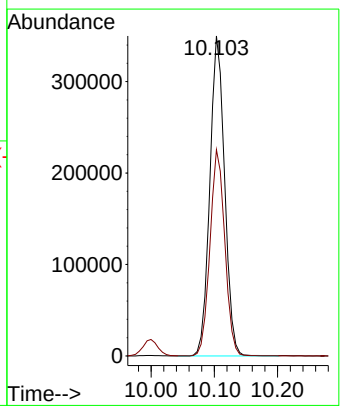


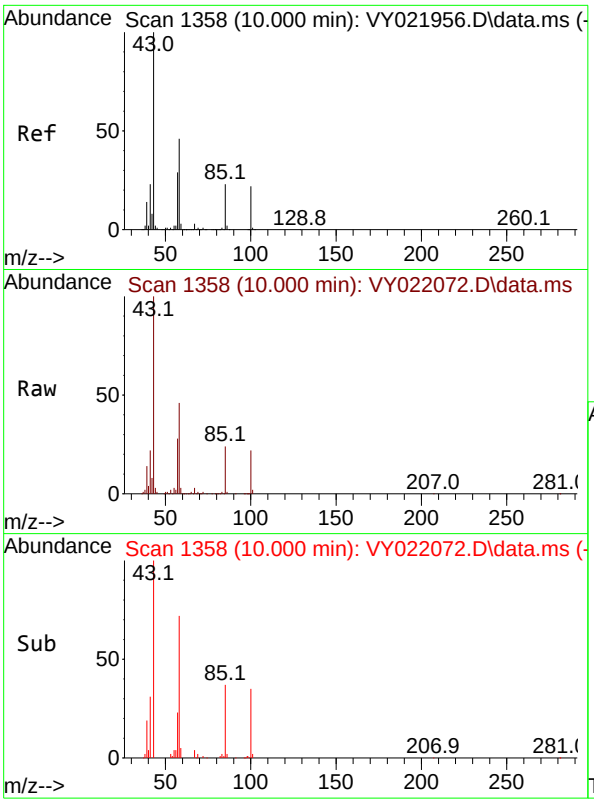


#50
Toluene-d8
Concen: 52.668 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 98 Resp: 568923

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 100.658 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 14007

Ion	Ratio	Lower	Upper
43	100		
58	46.1	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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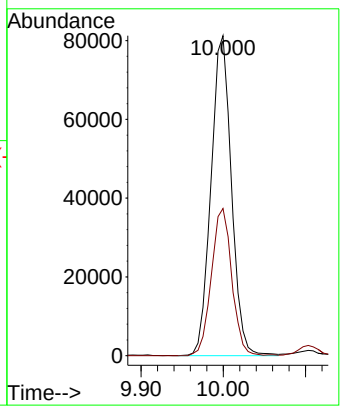
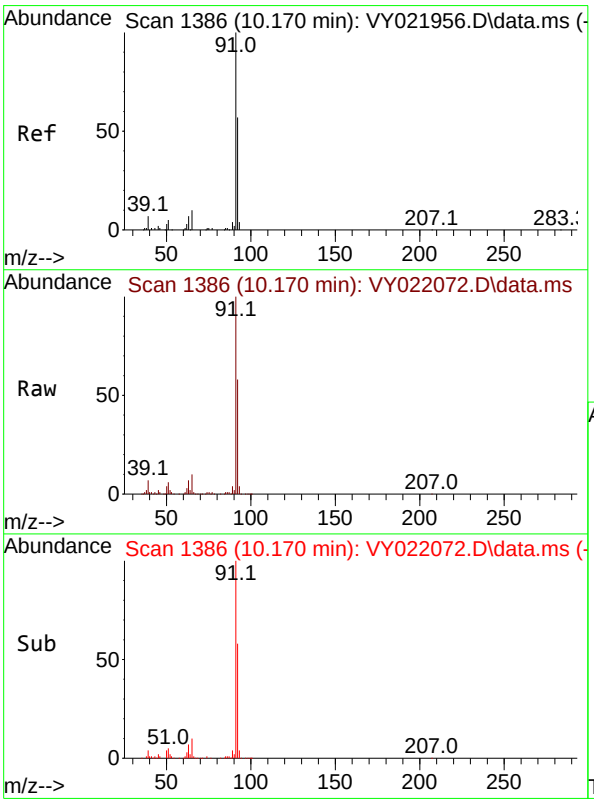
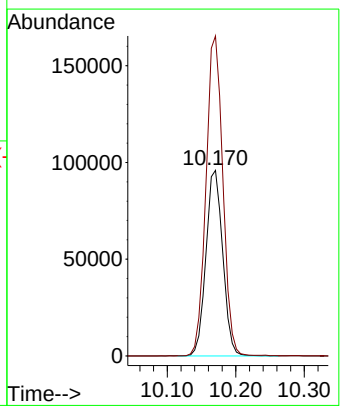


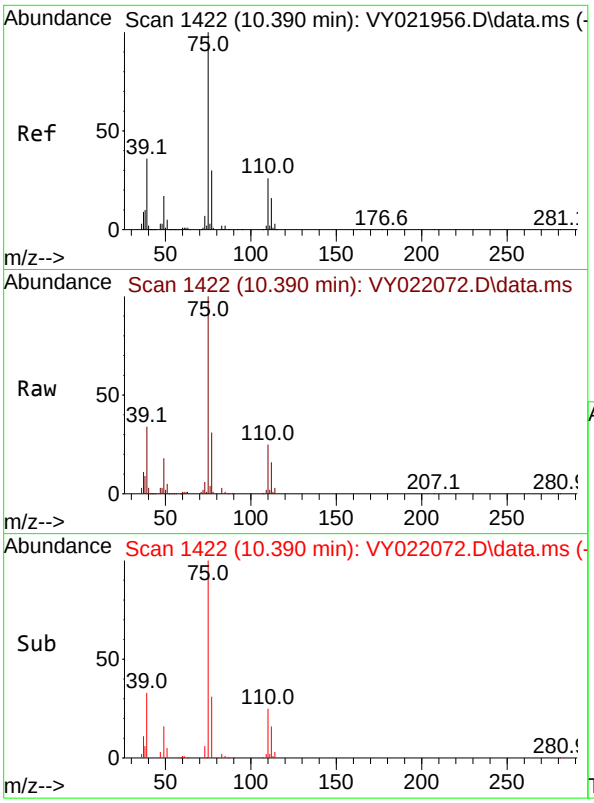


#52
Toluene
Concen: 21.002 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 92 Resp: 163564

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.6	207.8

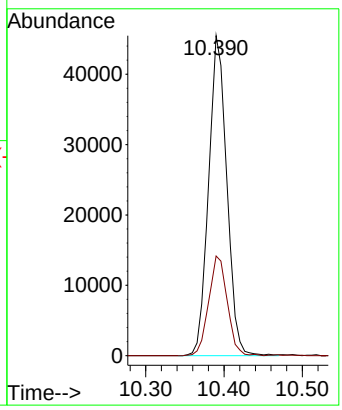




#53
t-1,3-Dichloropropene
Concen: 20.578 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 7344

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.0	36.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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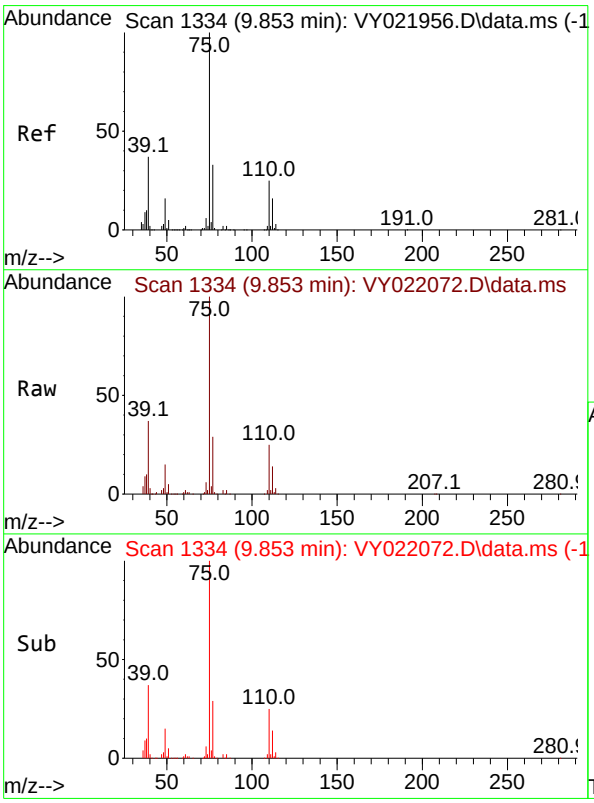
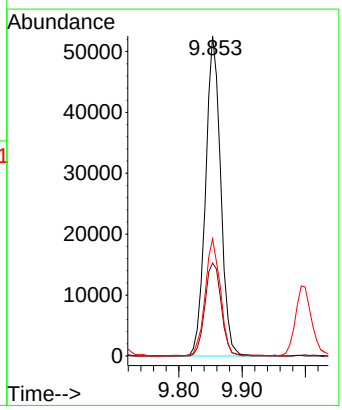
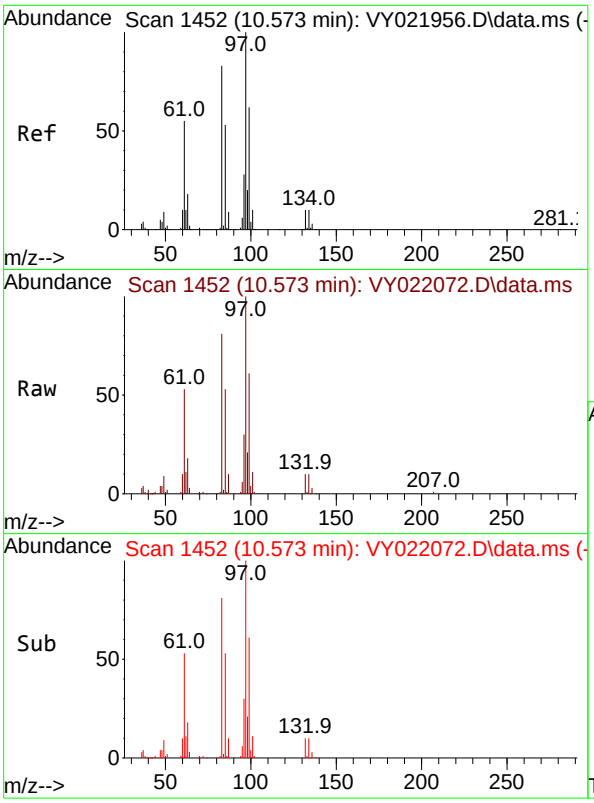


#54
cis-1,3-Dichloropropene
Concen: 20.585 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 87328

Ion	Ratio	Lower	Upper
75	100		
77	29.0	26.6	40.0
39	36.5	29.6	44.4

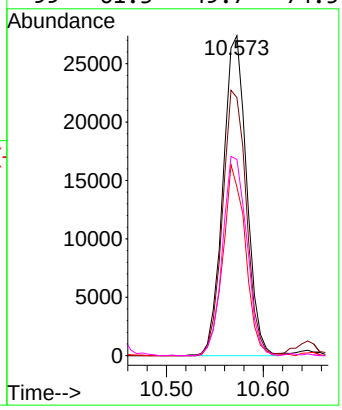




#55
1,1,2-Trichloroethane
Concen: 20.891 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 97 Resp: 4647

Ion	Ratio	Lower	Upper
97	100		
83	80.7	66.7	100.1
85	52.7	42.6	64.0
99	61.3	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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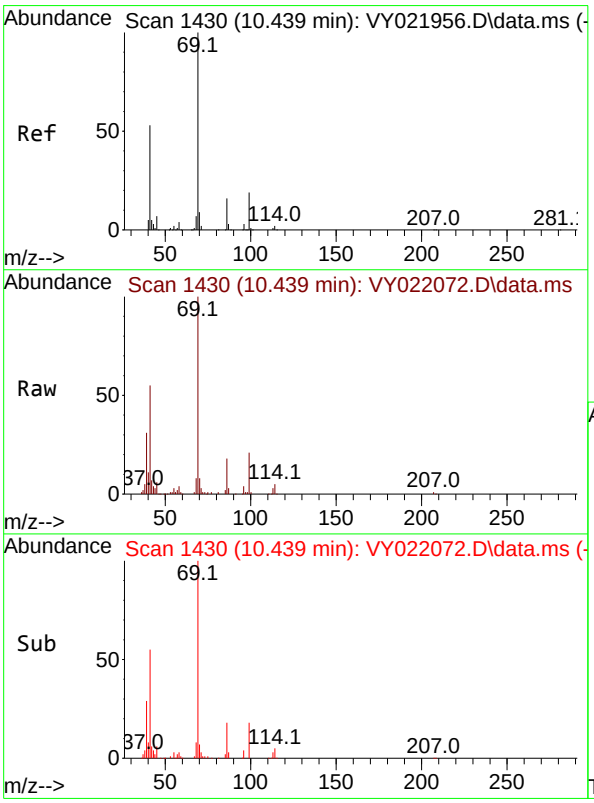
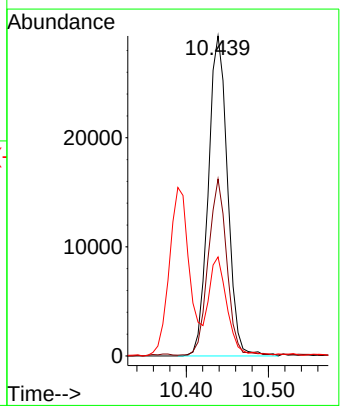
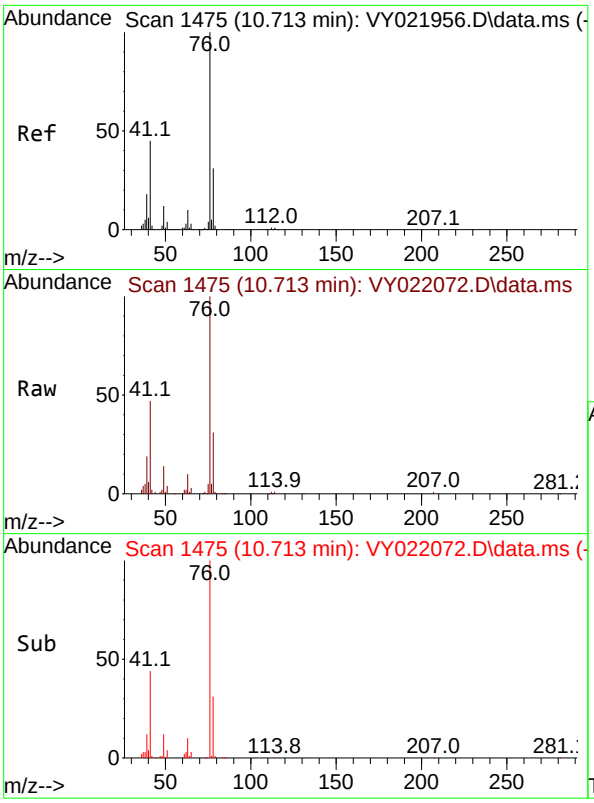


#56
Ethyl methacrylate
Concen: 18.733 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 69 Resp: 47660

Ion	Ratio	Lower	Upper
69	100		
41	53.1	40.7	61.1
39	28.3	23.3	34.9

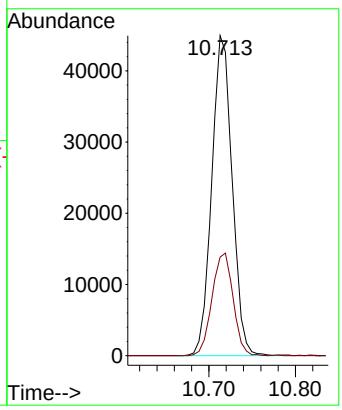




#57
1,3-Dichloropropane
Concen: 20.651 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 76 Resp: 7365

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	39.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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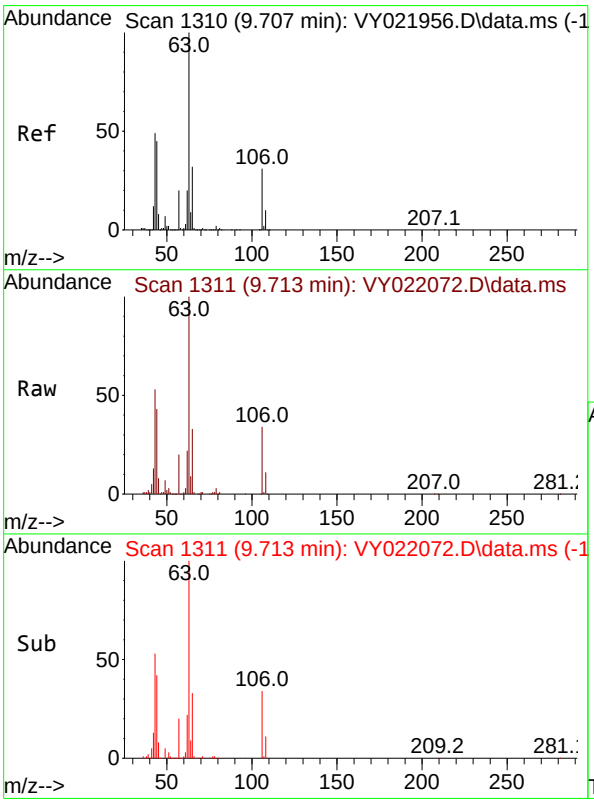
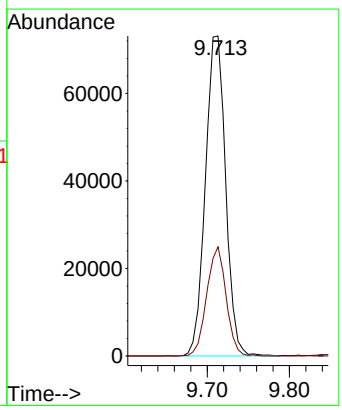
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

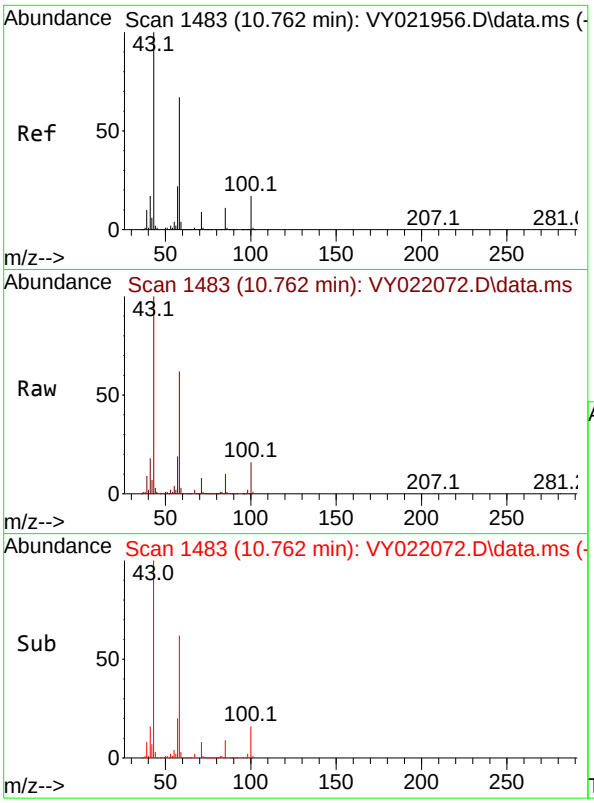


#58
2-Chloroethyl Vinyl ether
Concen: 100.556 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 63 Resp: 125085

Ion	Ratio	Lower	Upper
63	100		
106	32.6	25.3	37.9





#59
2-Hexanone
Concen: 99.867 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 9166

Ion	Ratio	Lower	Upper
43	100		
58	62.1	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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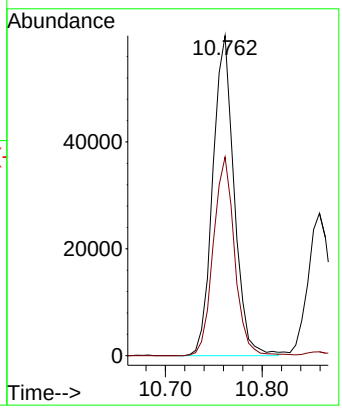
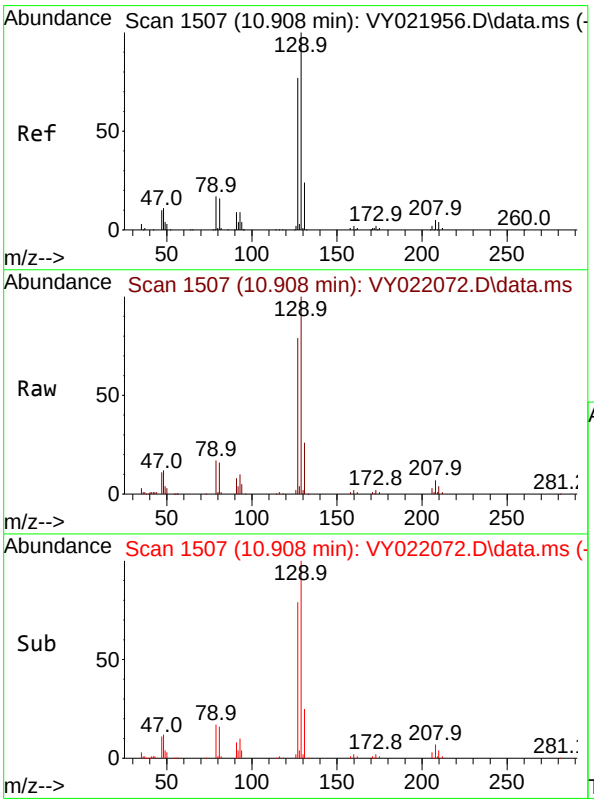
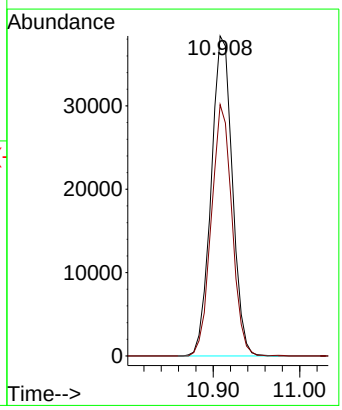


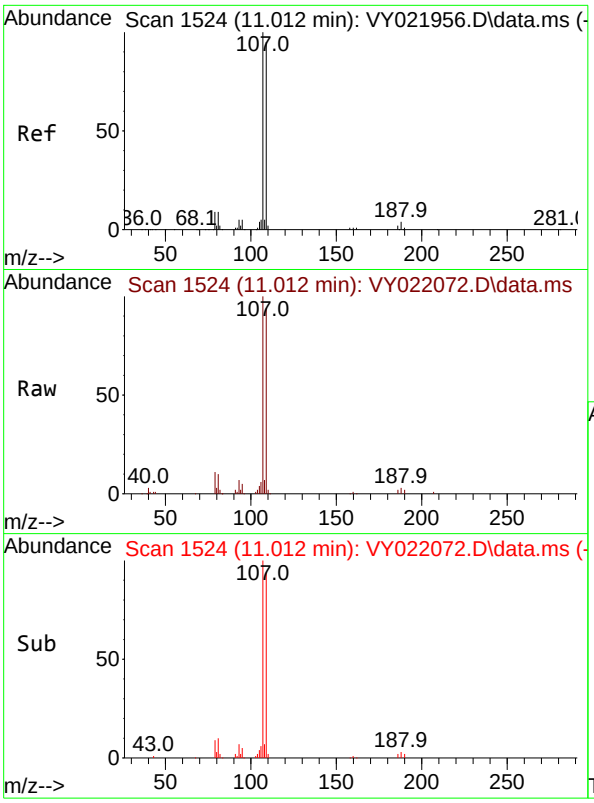


#60
Dibromochloromethane
Concen: 21.132 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:129 Resp: 65090

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.5	115.3

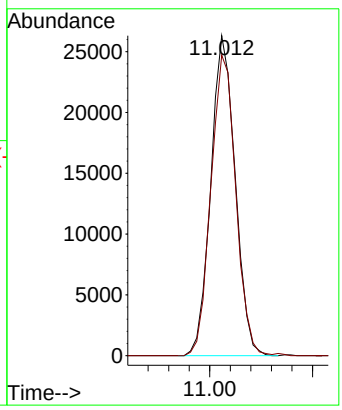




#61
1,2-Dibromoethane
Concen: 20.584 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:107 Resp: 4323

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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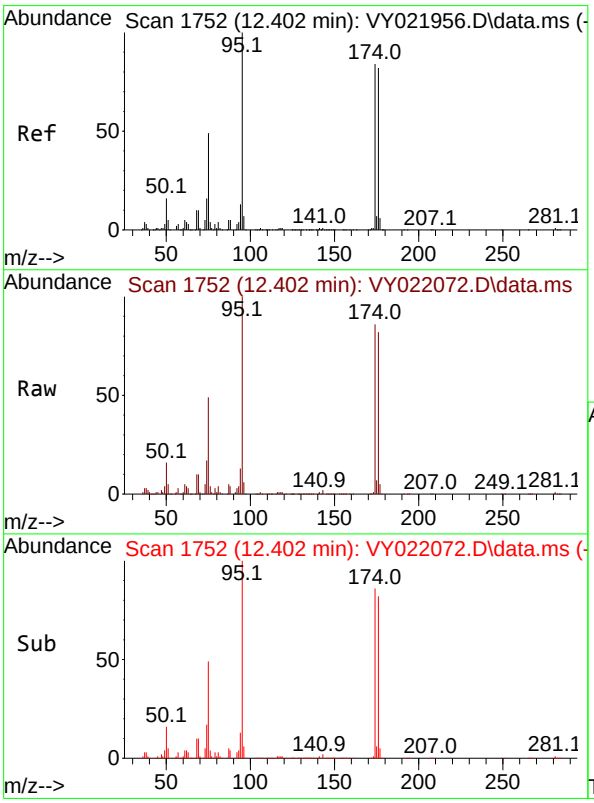
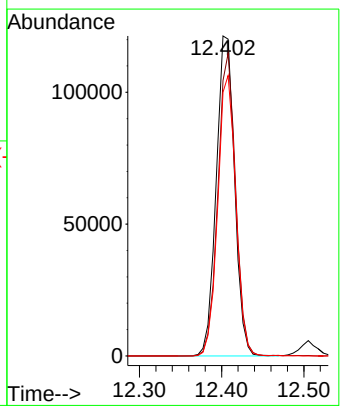
Supervised By :Mahesh Dadoda 05/05/2025

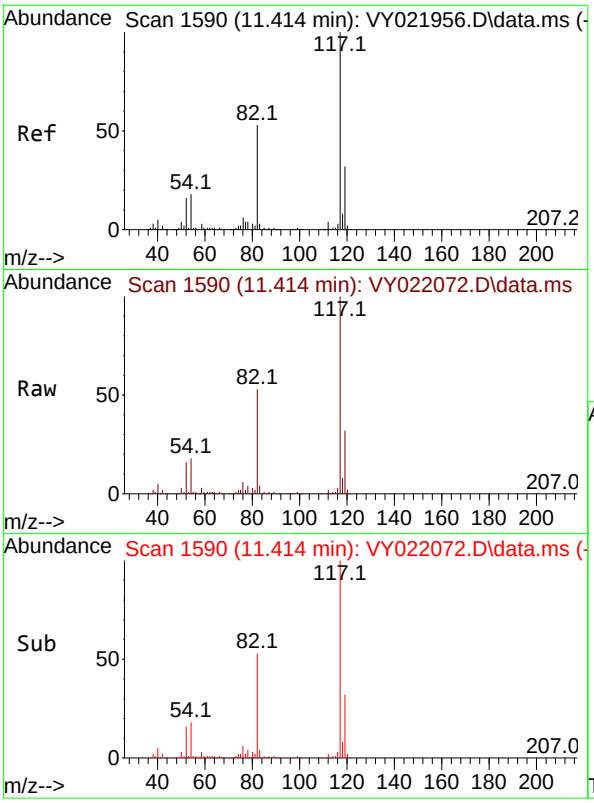


#62
4-Bromofluorobenzene
Concen: 51.779 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 95 Resp: 188289

Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	179.0
176	86.6	0.0	171.8

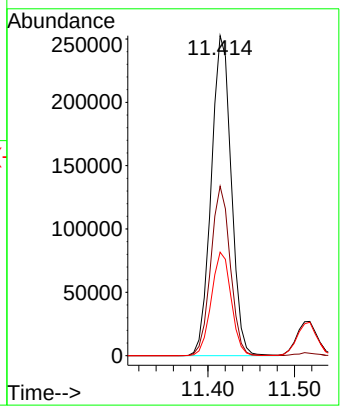




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:117 Resp: 40529

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.1	63.1
119	32.4	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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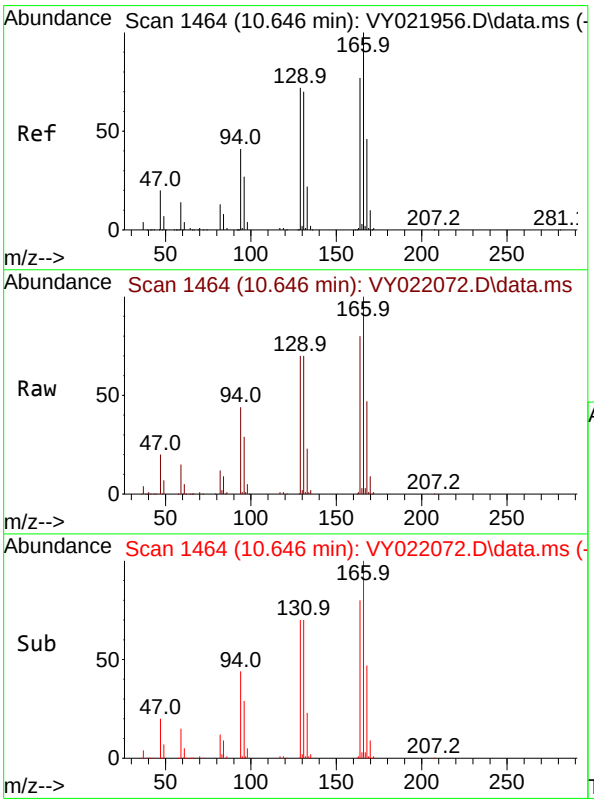
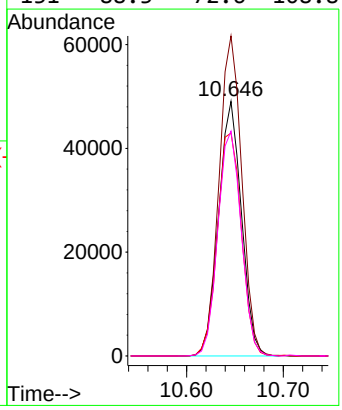
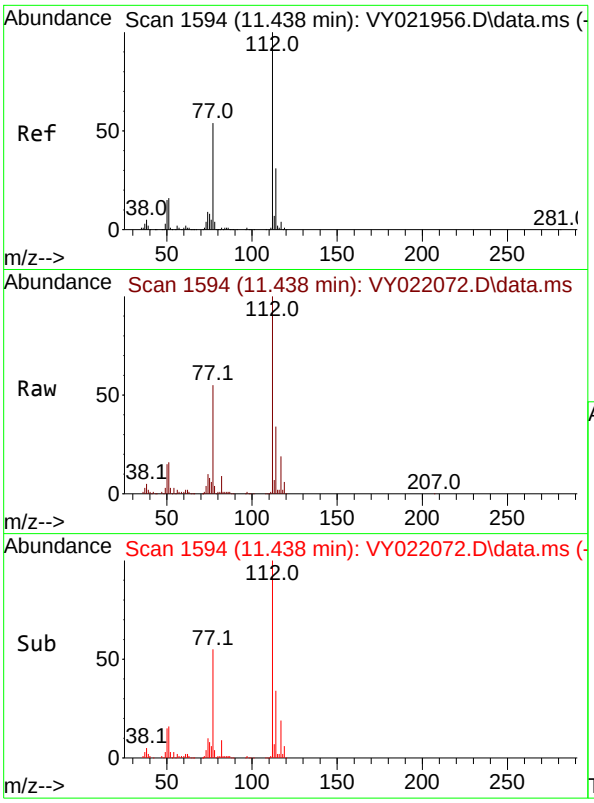


#64
Tetrachloroethene
Concen: 21.080 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:164 Resp: 80599

Ion	Ratio	Lower	Upper
164	100		
166	125.7	103.6	155.4
129	87.5	74.2	111.4
131	88.3	72.6	108.8

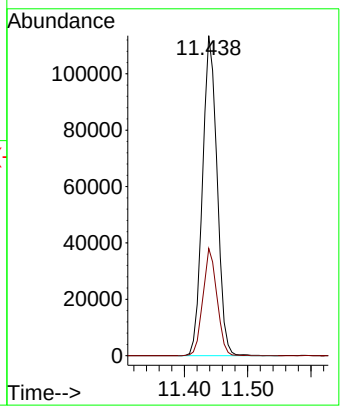




#65
Chlorobenzene
Concen: 20.111 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:112 Resp: 18228

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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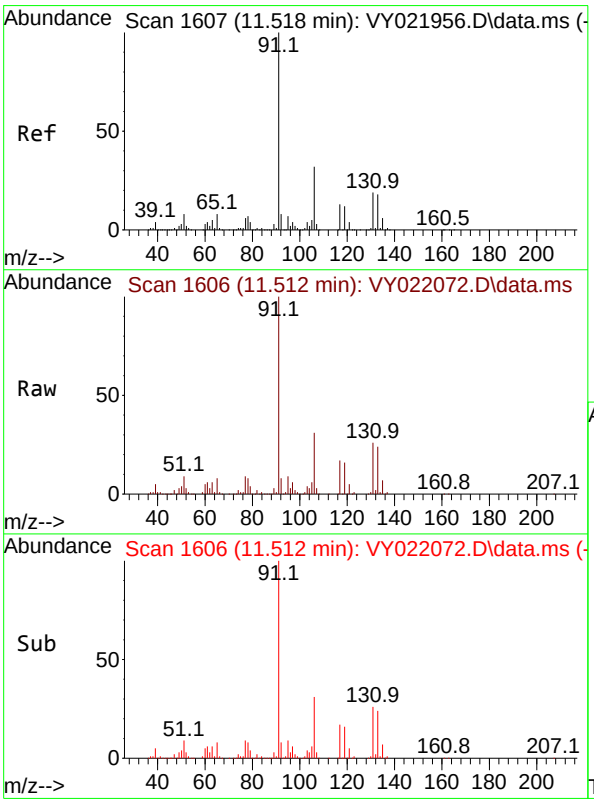
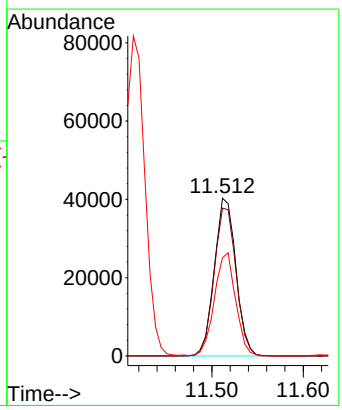
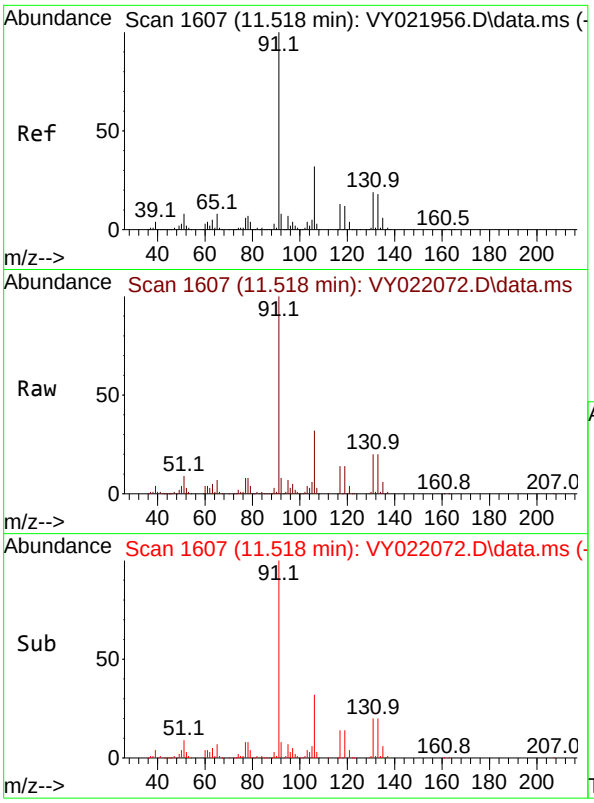


#66
1,1,1,2-Tetrachloroethane
Concen: 20.773 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:131 Resp: 66284

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.3
119	64.1	32.4	97.0





#67
Ethyl Benzene
Concen: 19.258 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 91 Resp: 28552

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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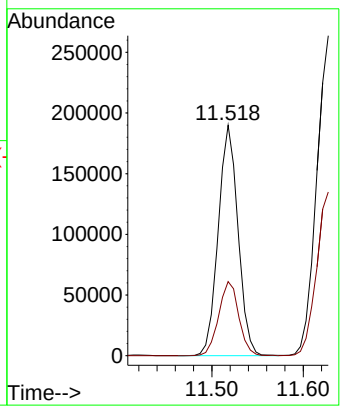
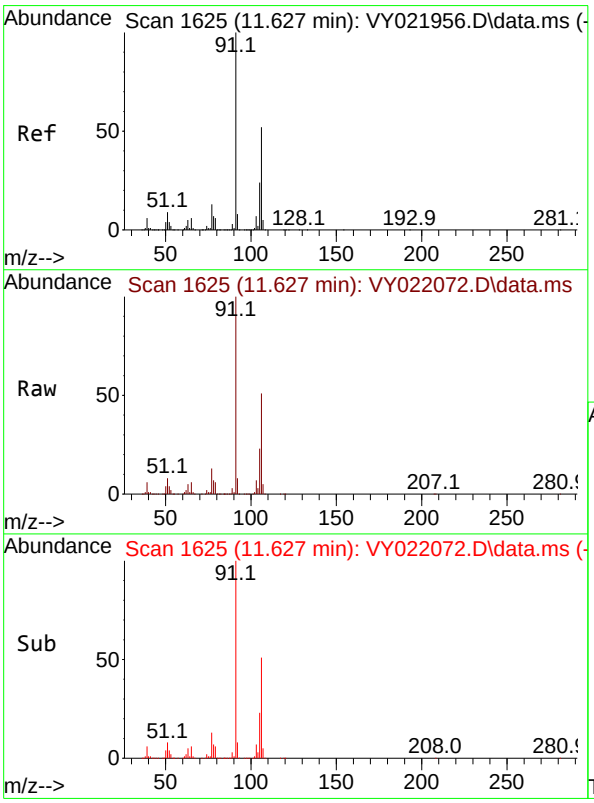
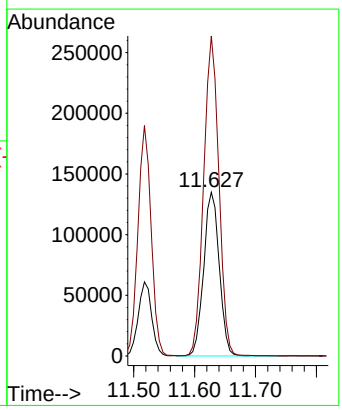


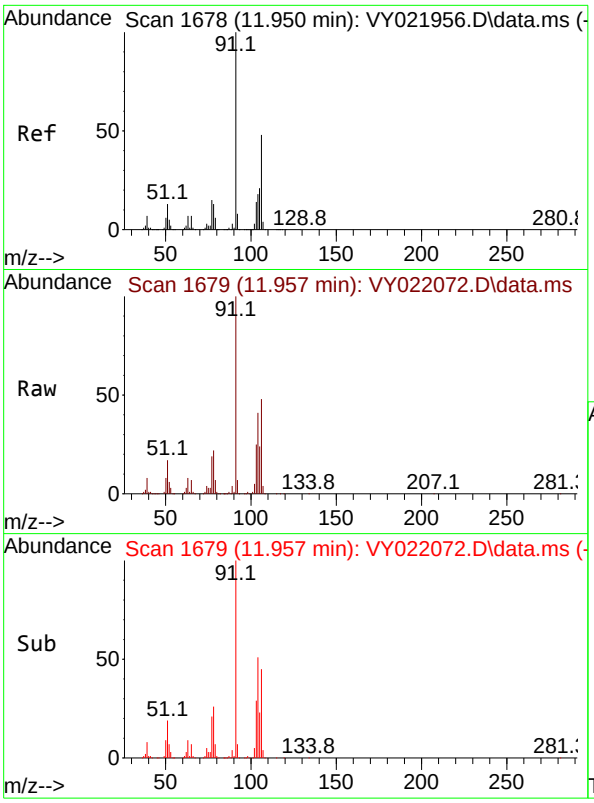


#68
m/p-Xylenes
Concen: 40.623 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:106 Resp: 239665

Ion	Ratio	Lower	Upper
106	100		
91	190.7	156.2	234.2

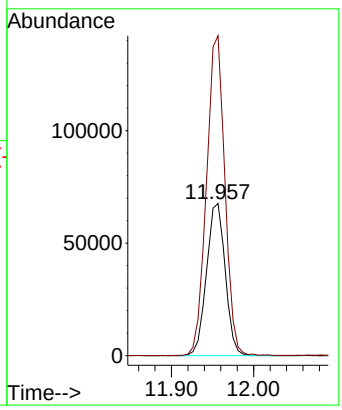




#69
o-Xylene
Concen: 19.654 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:106 Resp: 10687

Ion	Ratio	Lower	Upper
106	100		
91	206.8	103.0	308.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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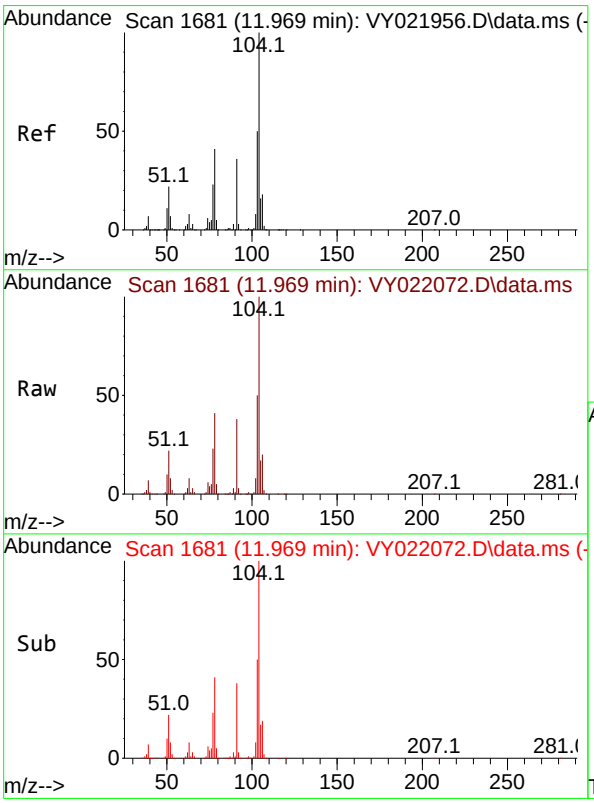
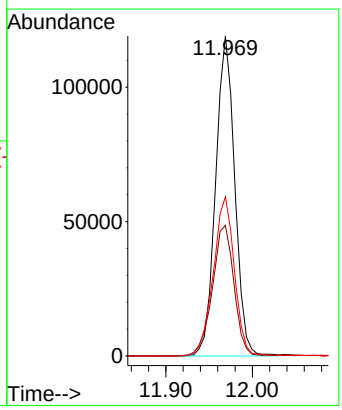
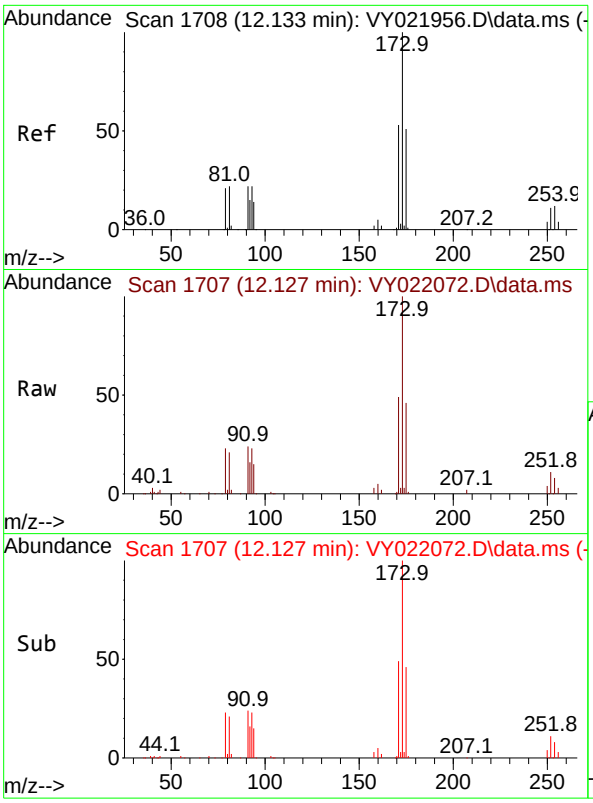


#70
Styrene
Concen: 20.012 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:104 Resp: 182708

Ion	Ratio	Lower	Upper
104	100		
78	46.0	36.6	54.8
103	54.7	43.8	65.8

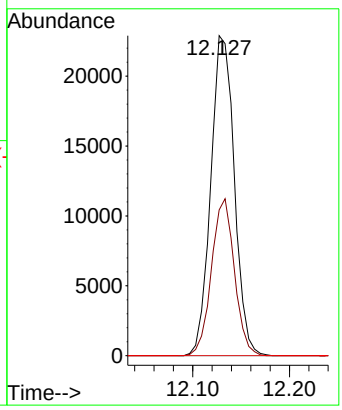




#71
Bromoform
Concen: 20.871 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:173 Resp: 3871

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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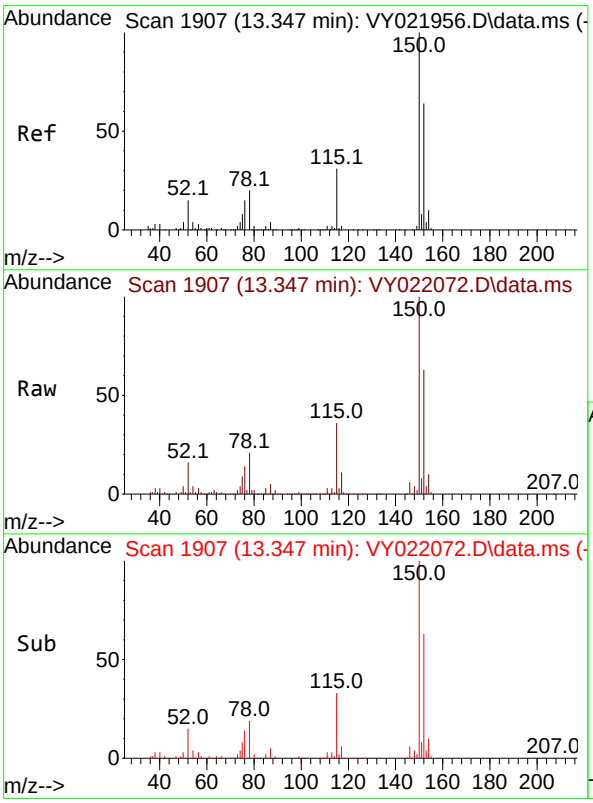
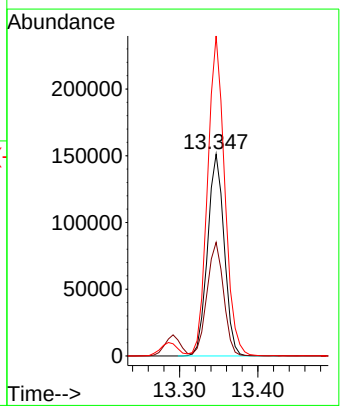
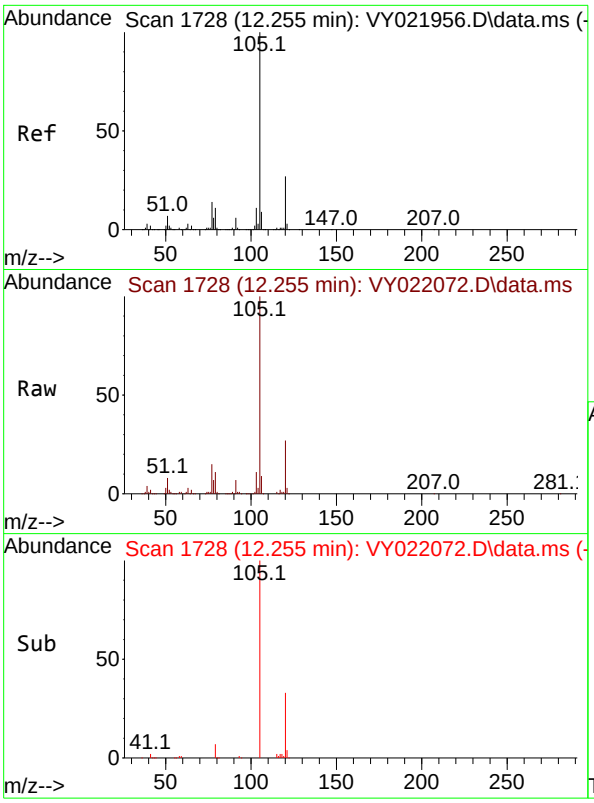


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:152 Resp: 222589

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	163.3	0.0	345.6

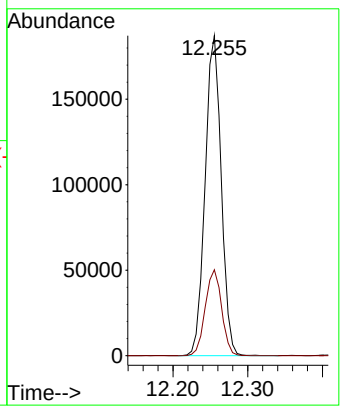




#73
Isopropylbenzene
Concen: 18.799 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:105 Resp: 27956

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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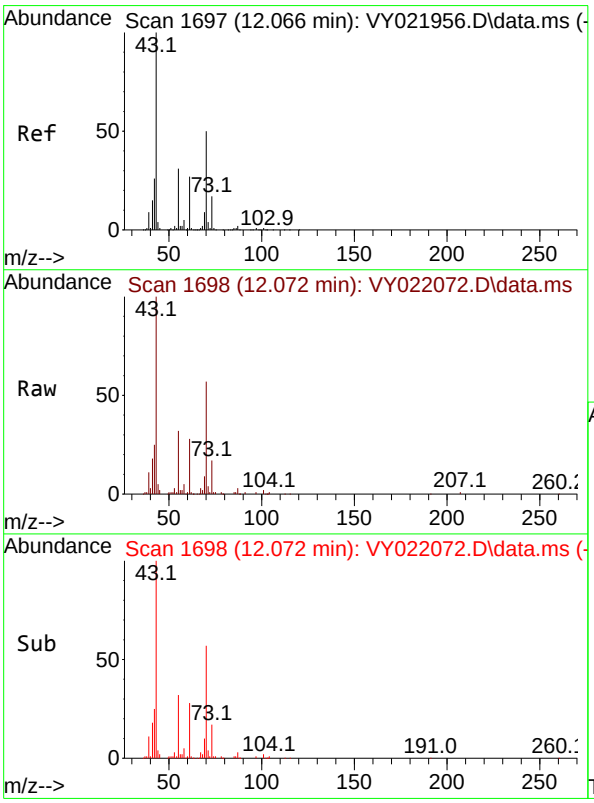
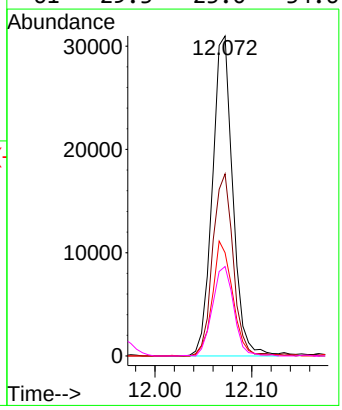
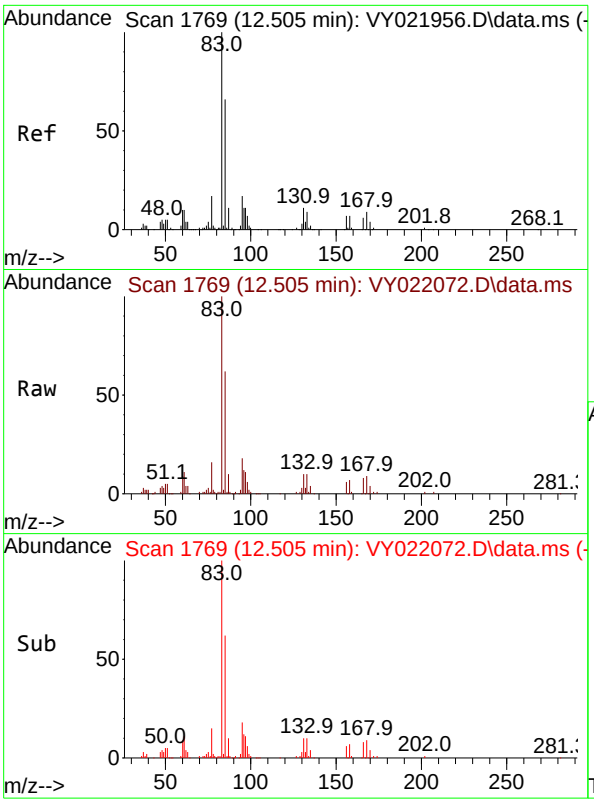


#74
N-amyl acetate
Concen: 17.740 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 45327

Ion	Ratio	Lower	Upper
43	100		
70	57.2	43.2	64.8
55	35.7	25.7	38.5
61	29.3	23.0	34.6

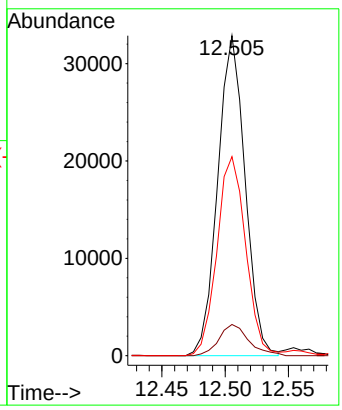




#75
1,1,2,2-Tetrachloroethane
Concen: 19.730 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 83 Resp: 4946

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	65.0	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
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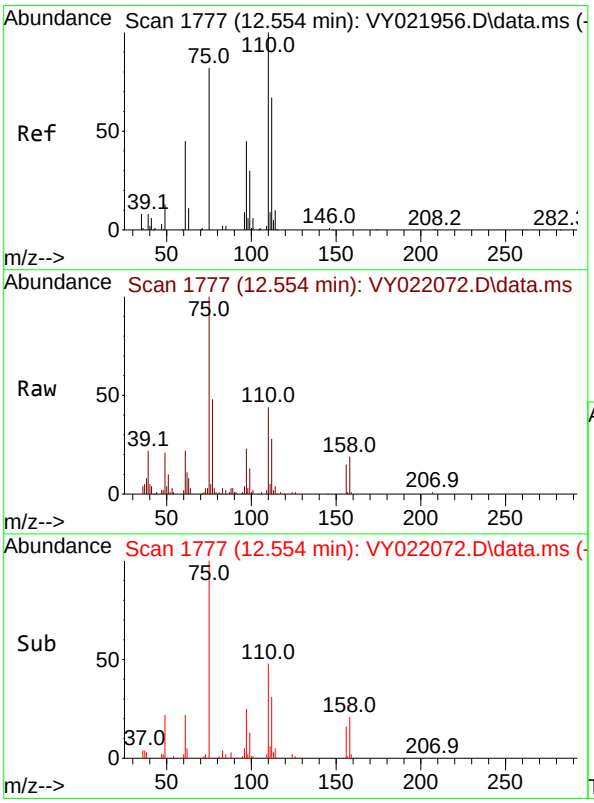
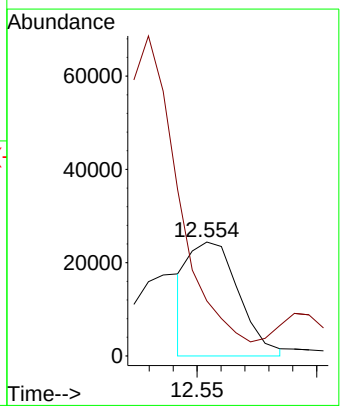
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

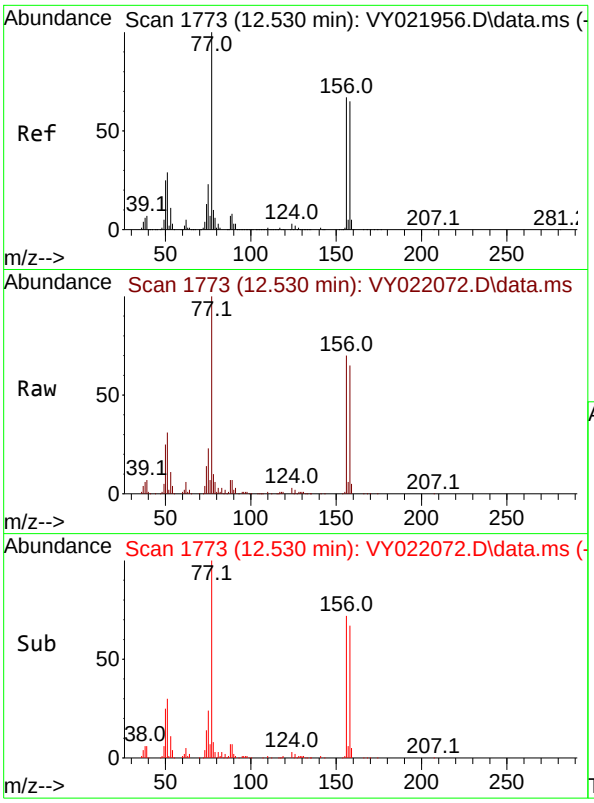


#76
1,2,3-Trichloropropane
Concen: 18.640 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 35538

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

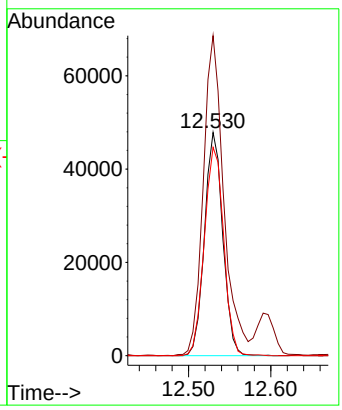




#77
Bromobenzene
Concen: 19.657 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:156 Resp: 7386

Ion	Ratio	Lower	Upper
156	100		
77	160.2	82.7	248.1
158	98.9	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
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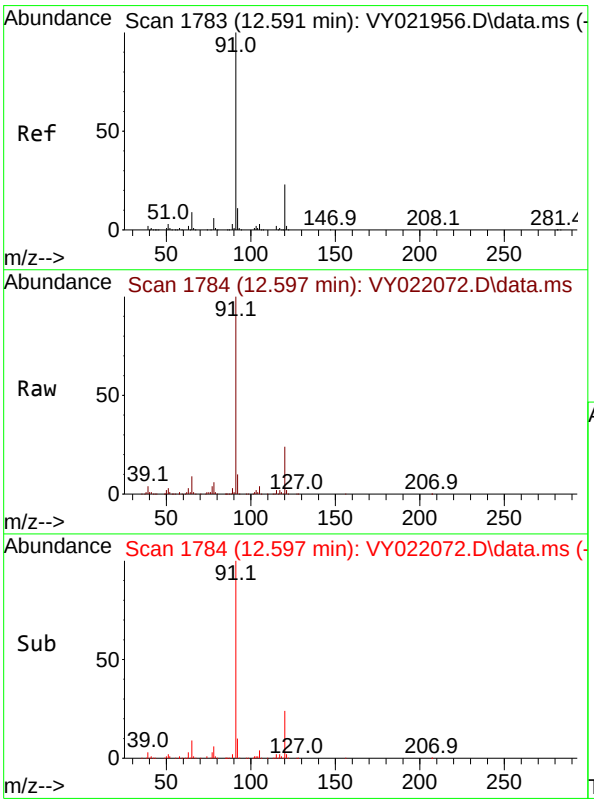
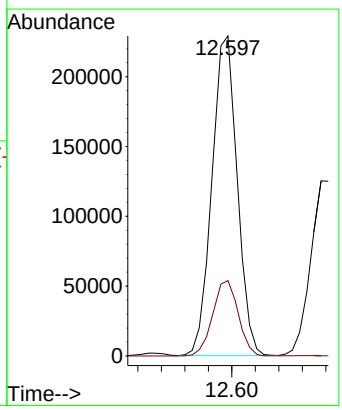
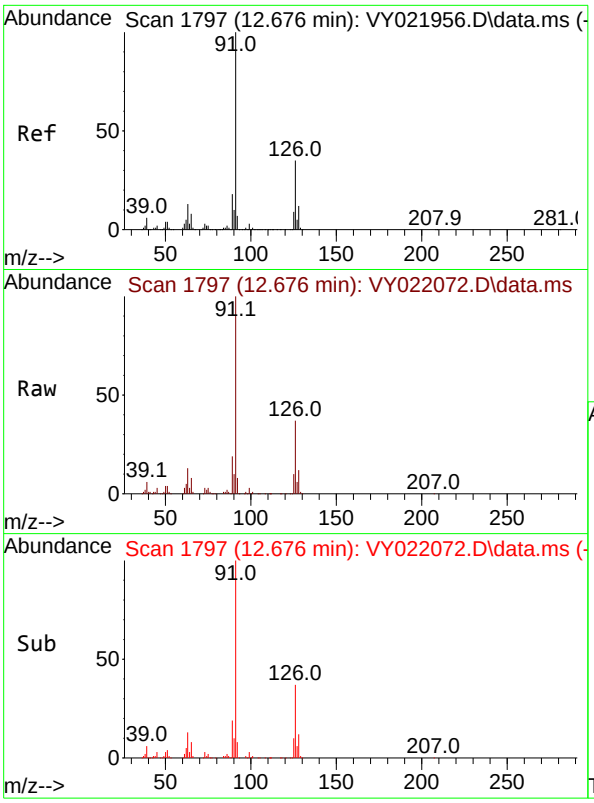


#78
n-propylbenzene
Concen: 19.361 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 91 Resp: 342875

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5

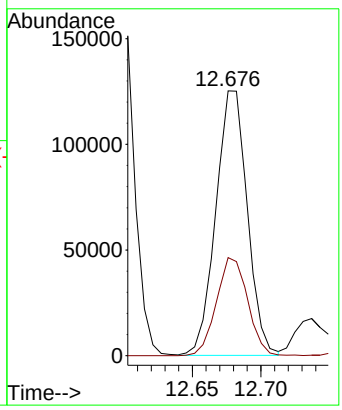




#79
2-Chlorotoluene
Concen: 19.446 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 91 Resp: 20028

Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
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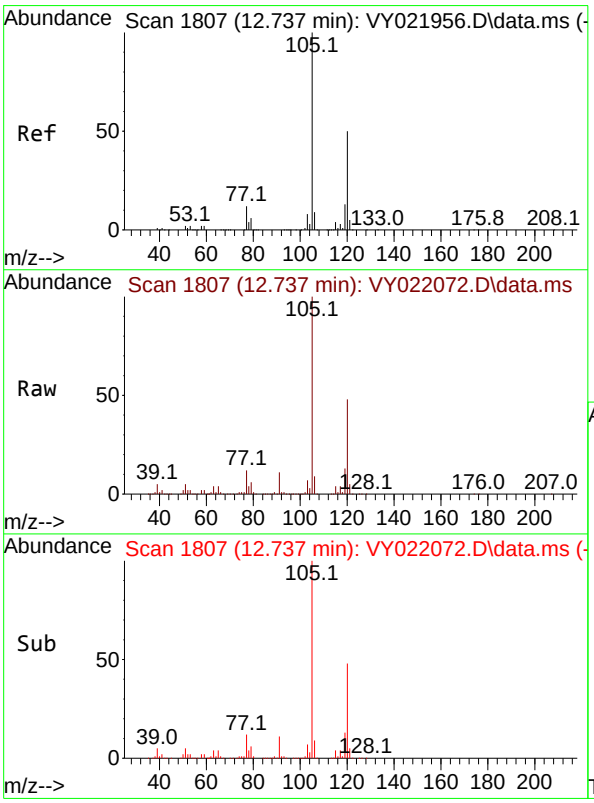
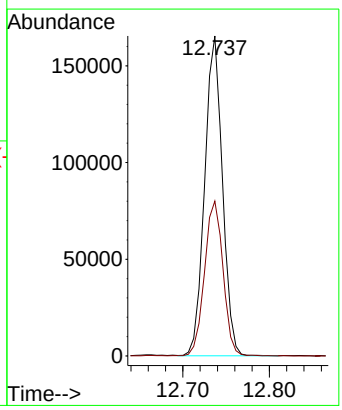
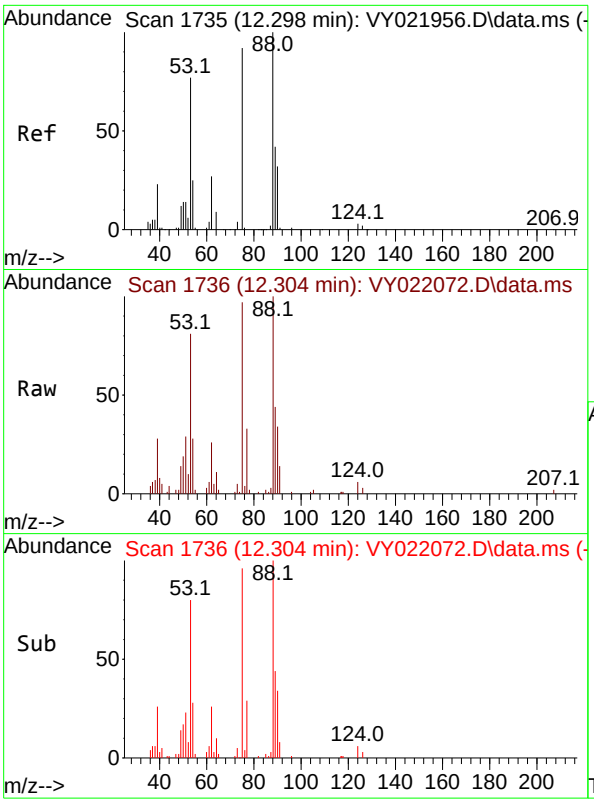


#80
1,3,5-Trimethylbenzene
Concen: 19.234 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:105 Resp: 235676

Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 18.155 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 1437

Ion	Ratio	Lower	Upper
75	100		
53	90.1	66.0	99.0
89	47.1	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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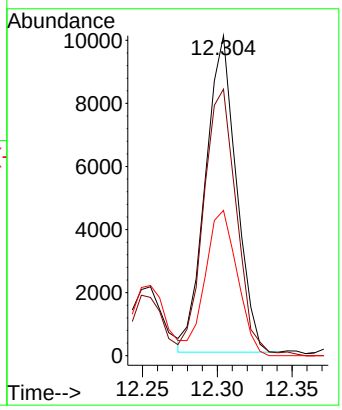
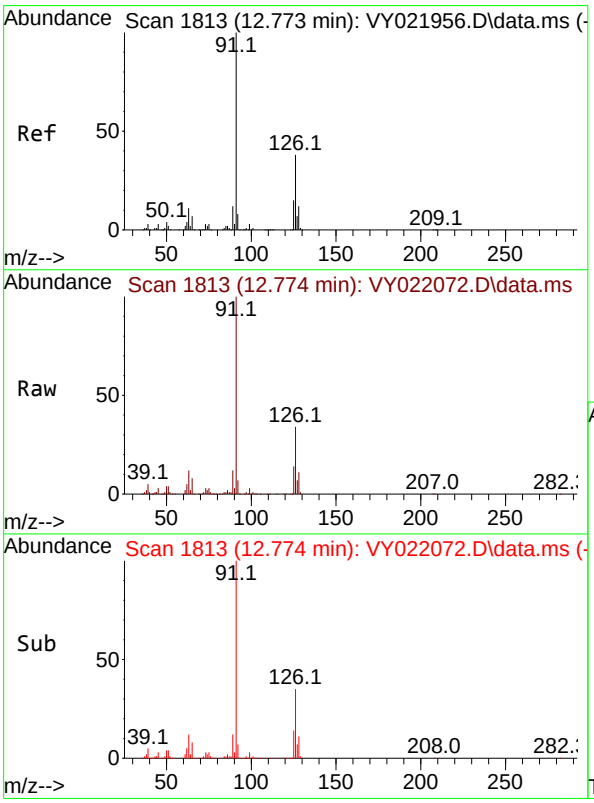
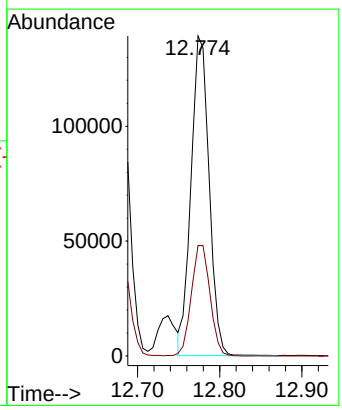


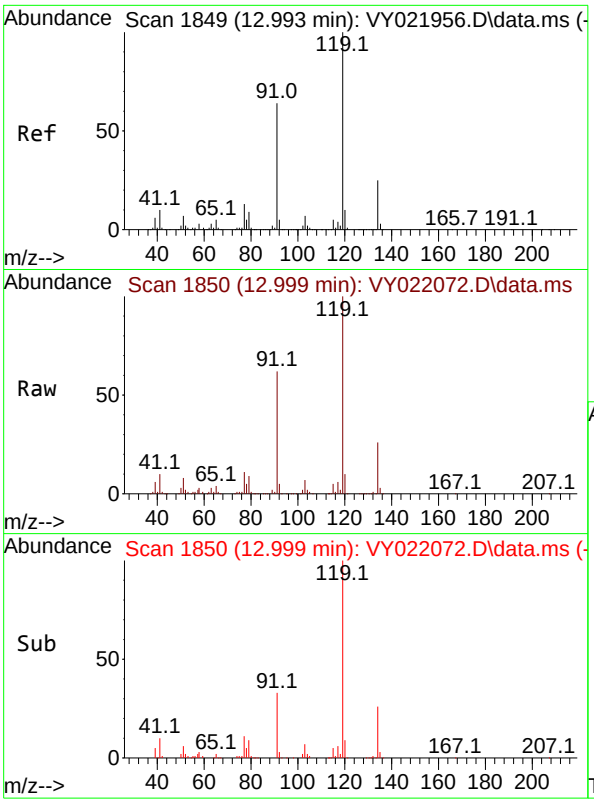


#82
4-Chlorotoluene
Concen: 19.870 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 91 Resp: 212735

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8





#83
tert-Butylbenzene
Concen: 18.735 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:119 Resp: 20587

Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.3	90.9
134	26.8	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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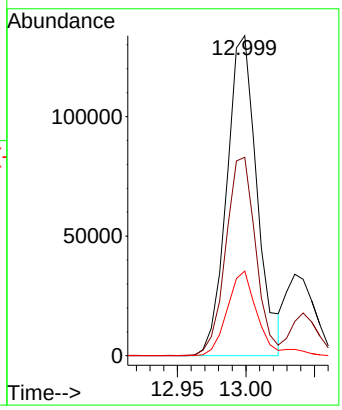
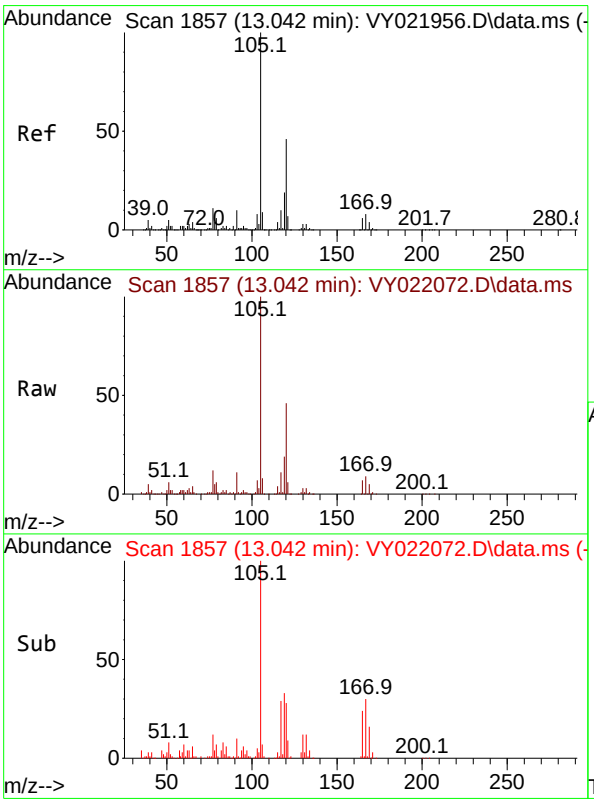
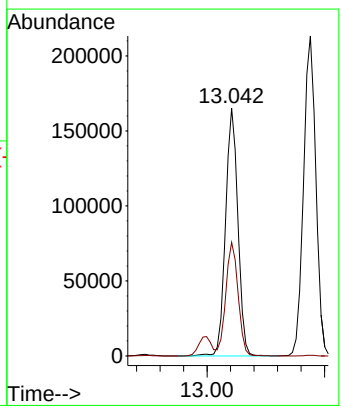


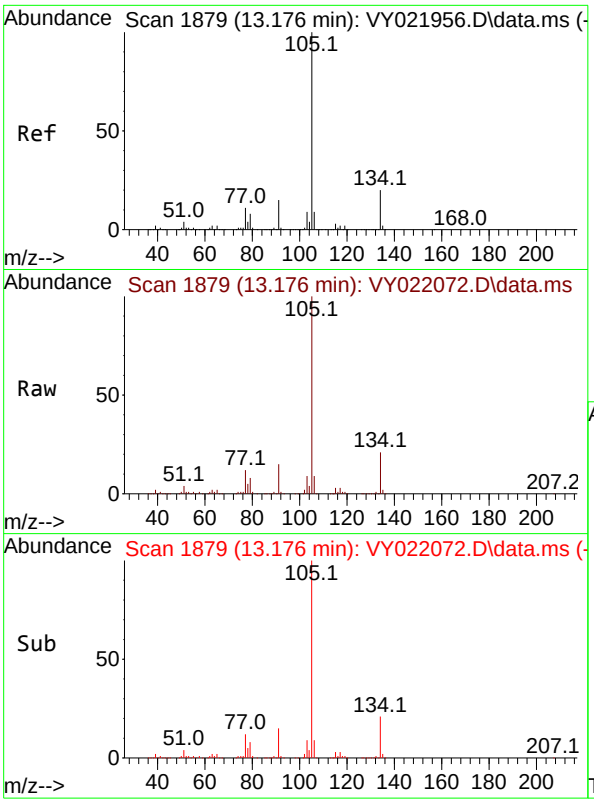


#84
1,2,4-Trimethylbenzene
Concen: 19.725 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:105 Resp: 241750

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.4	70.0





#85
sec-Butylbenzene
Concen: 19.235 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:105 Resp: 30931

Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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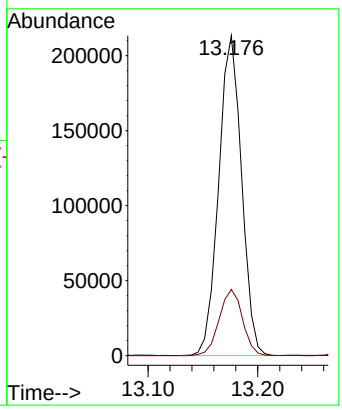
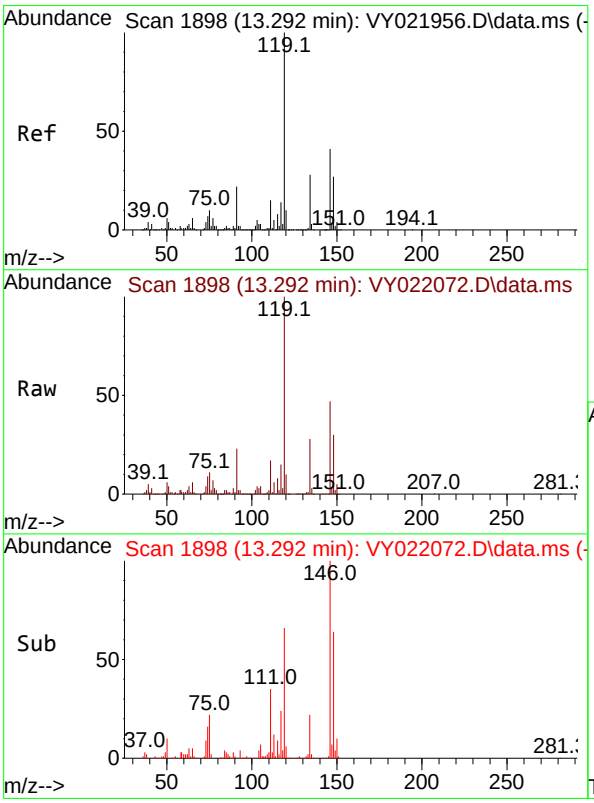
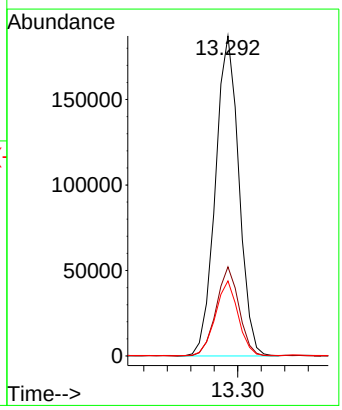


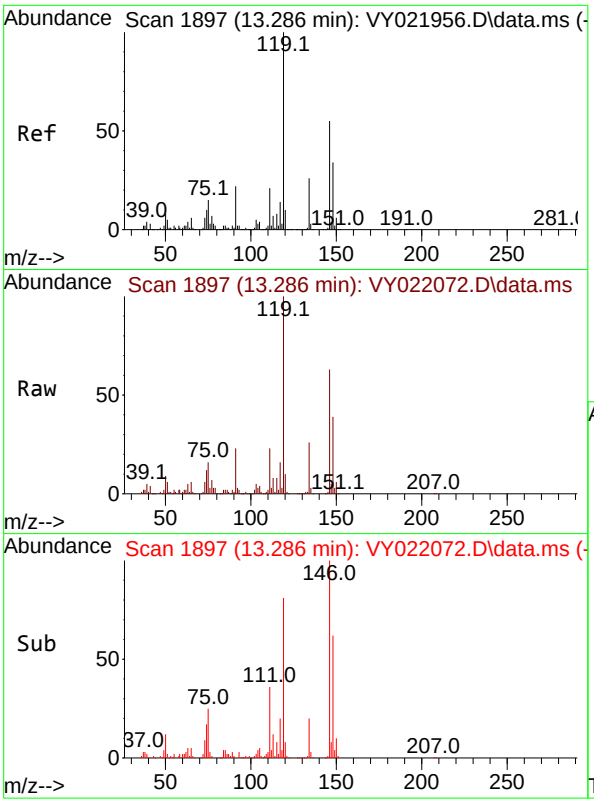


#86
p-Isopropyltoluene
Concen: 19.078 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:119 Resp: 260507

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.6	11.0	33.0

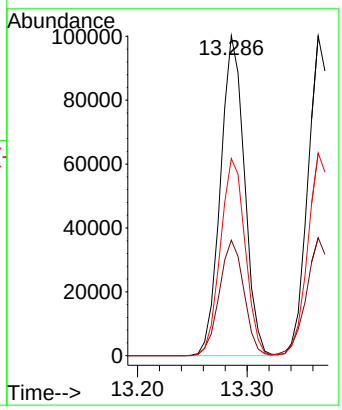




#87
1,3-Dichlorobenzene
Concen: 19.937 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:146 Resp: 15216

Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.5
148	63.5	32.0	96.2



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

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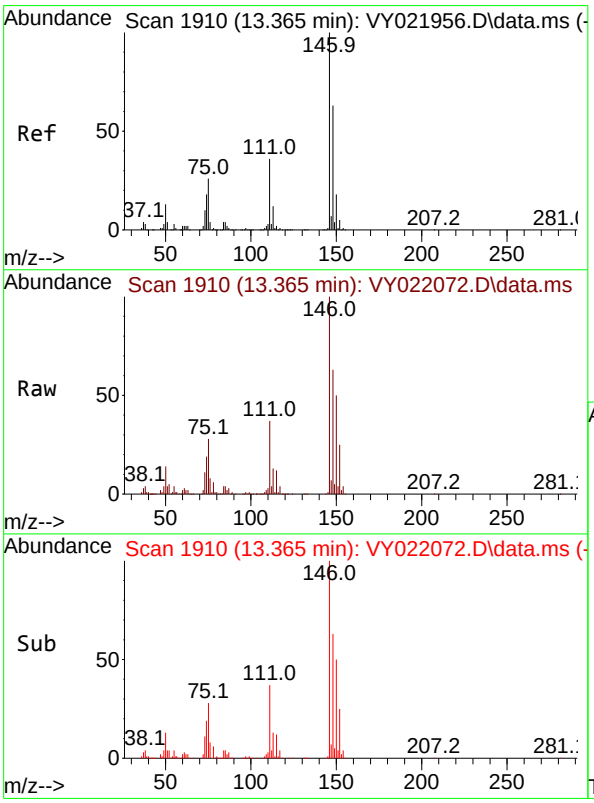
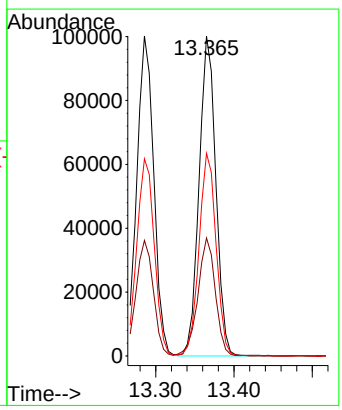
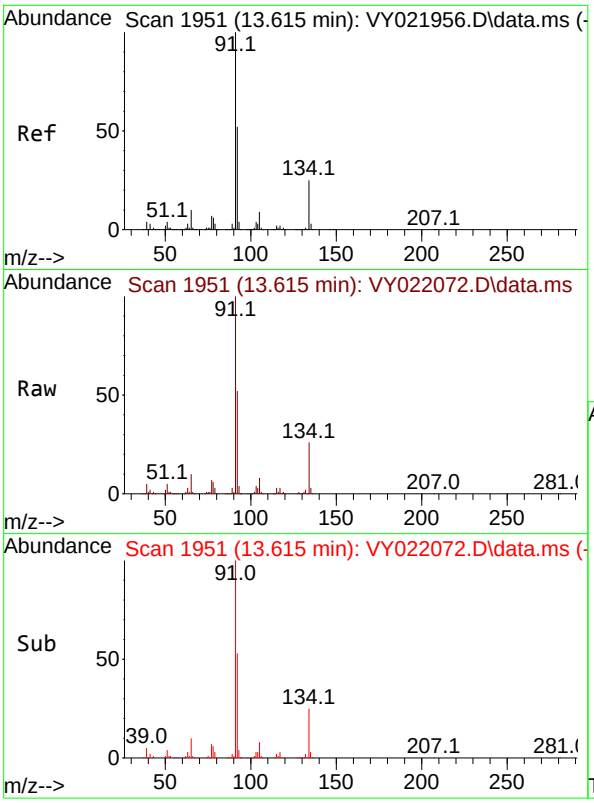


#88
1,4-Dichlorobenzene
Concen: 19.695 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:146 Resp: 148875

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	64.6	32.0	96.0

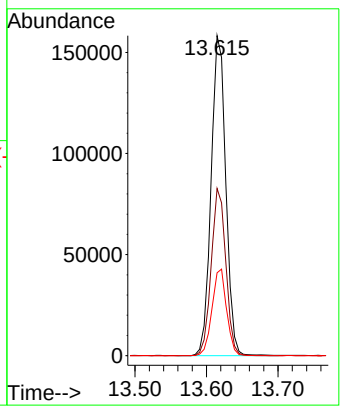




#89
n-Butylbenzene
Concen: 18.513 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 91 Resp: 22595

Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.5	79.5
134	26.8	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
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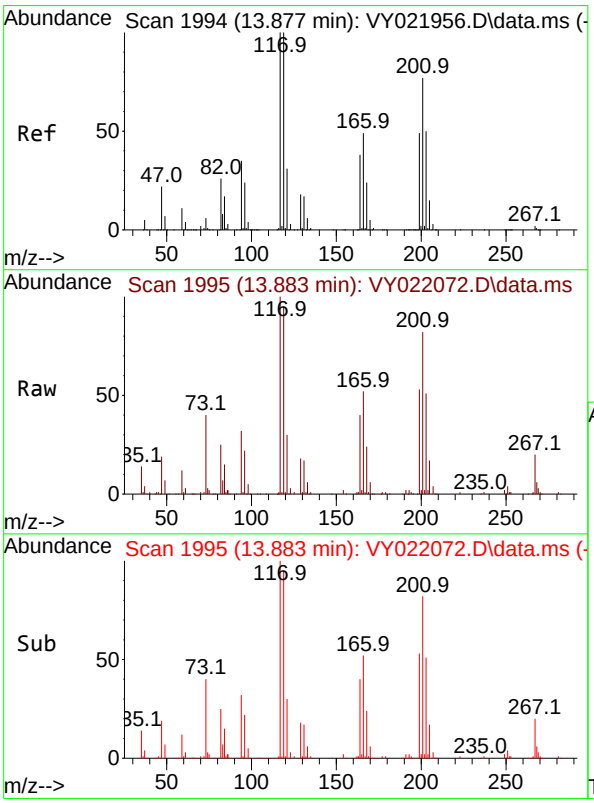
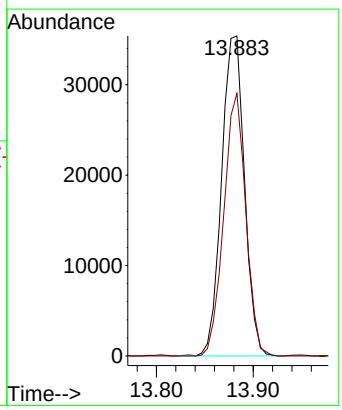
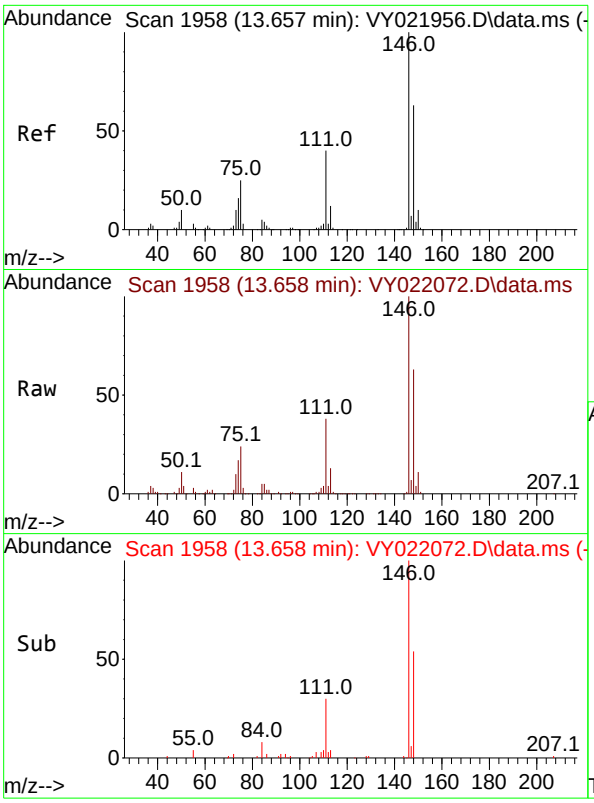


#90
Hexachloroethane
Concen: 19.391 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:117 Resp: 58174

Ion	Ratio	Lower	Upper
117	100		
201	78.9	38.7	116.1

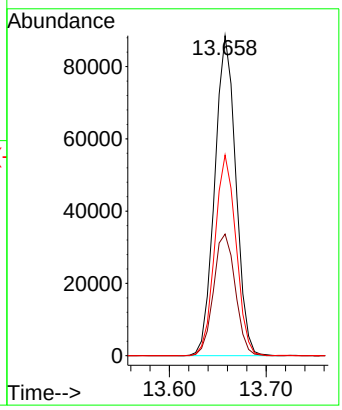




#91
1,2-Dichlorobenzene
Concen: 20.139 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:146 Resp: 13405

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	62.9	32.1	96.3



Instrument :
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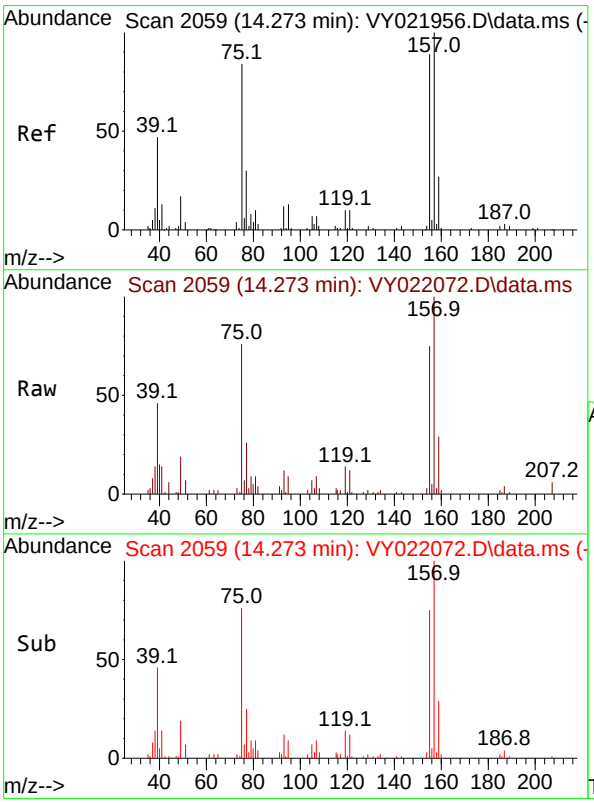
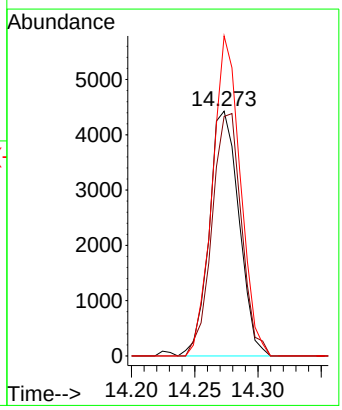
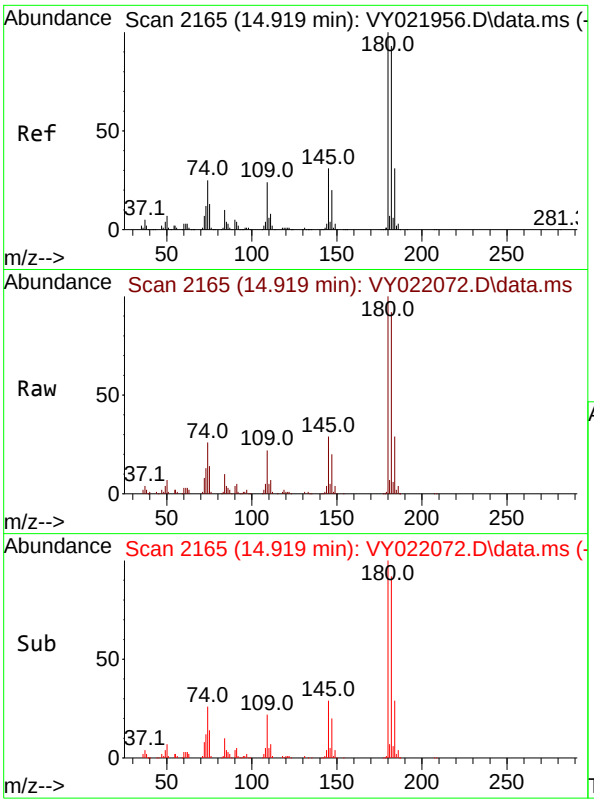


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.150 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 7240

Ion	Ratio	Lower	Upper
75	100		
155	97.9	50.7	152.3
157	122.8	62.6	187.8

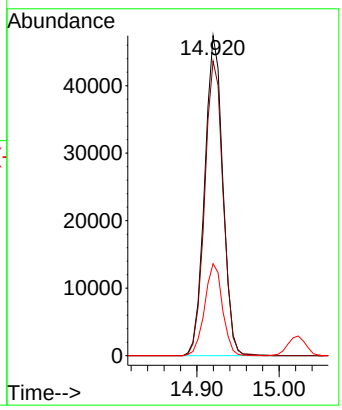




#93
1,2,4-Trichlorobenzene
Concen: 19.176 ug/l
RT: 14.919 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:180 Resp: 7233

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.1	141.4
145	28.3	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
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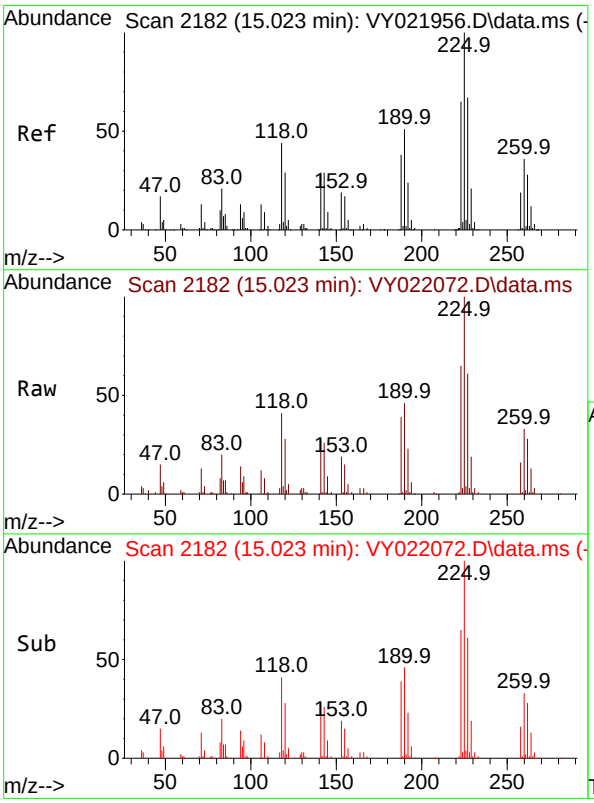
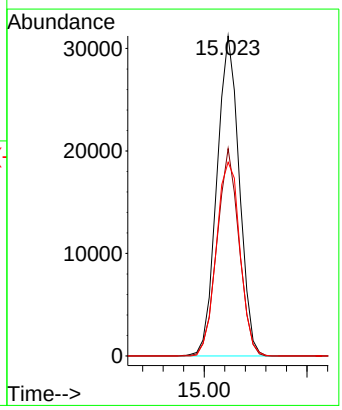
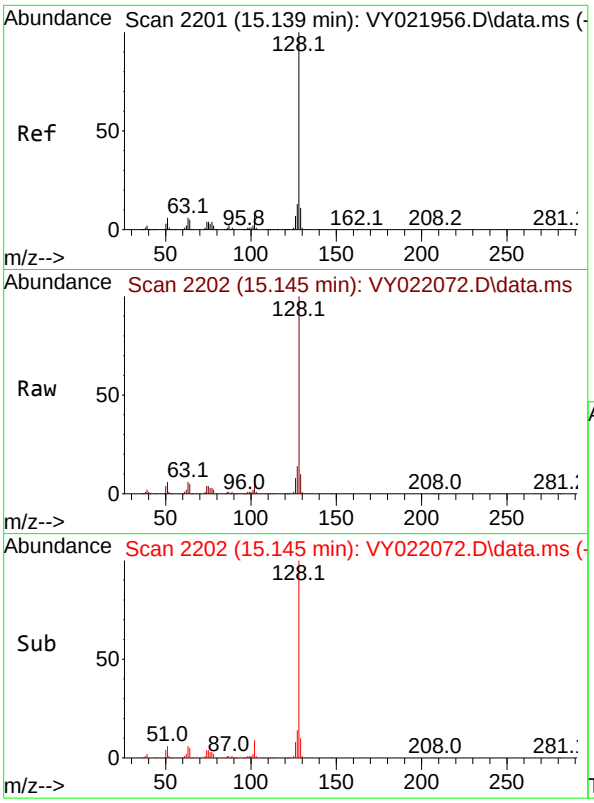


#94
Hexachlorobutadiene
Concen: 20.289 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:225 Resp: 47088

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.4	32.3	96.9

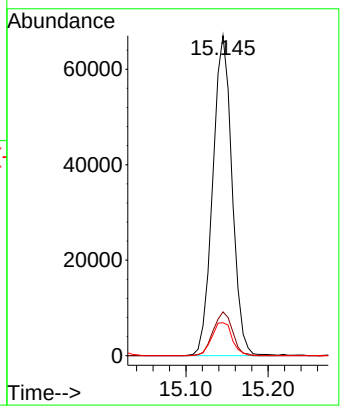




#95
Naphthalene
Concen: 17.424 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:128 Resp: 10918

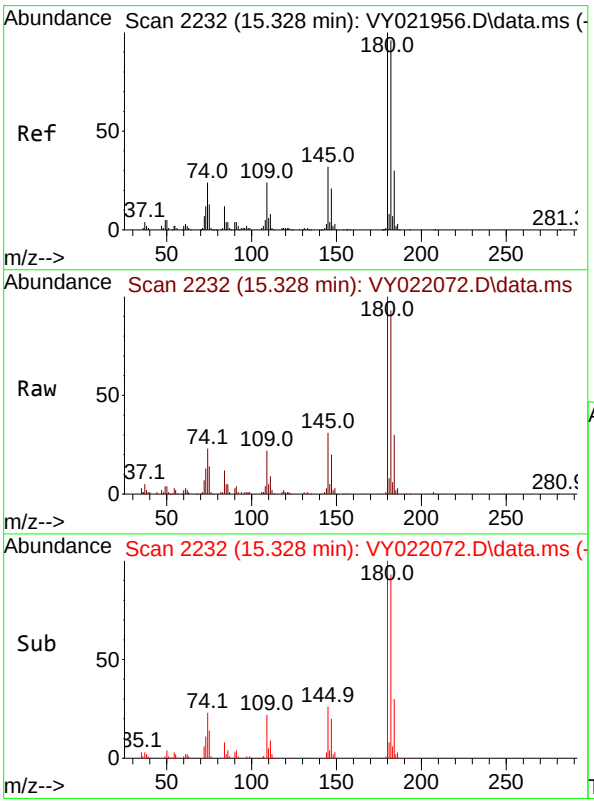
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Manual Integrations
APPROVED

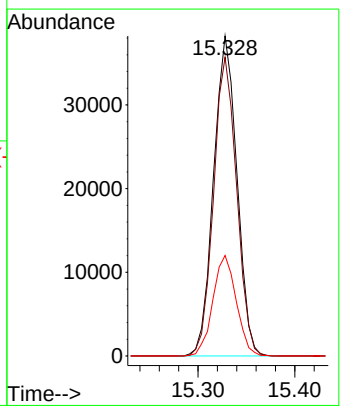
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.670 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:180 Resp: 64048

Ion	Ratio	Lower	Upper
180	100		
182	92.2	48.1	144.4
145	31.5	16.0	48.0



Raw Data: **VY022097.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0501SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0501SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022097.D	1		05/01/25 10:42	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.019		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.019		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.019		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.087		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.089		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.091		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.018		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.087		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.020		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.088		0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022097.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0501SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0501SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022097.D	1		05/01/25 10:42	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.019		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.020		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.085		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.020		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.041		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.060		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.020		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.019		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.018		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.018		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.019		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.020		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.019		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.019		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0501SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0501SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022097.D	1		05/01/25 10:42	VY050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.018		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.019		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.020		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.019		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.017		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.5		71 - 136		95%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.1		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		79 - 119		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	294000	7.707				
540-36-3	1,4-Difluorobenzene	453000	8.616				
3114-55-4	Chlorobenzene-d5	414000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	225000	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\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	294485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	452802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	225406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129149	47.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.960%			
35) Dibromofluoromethane	7.634	113	148223	49.549	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.100%			
50) Toluene-d8	10.109	98	564747	50.076	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.160%			
62) 4-Bromofluorobenzene	12.408	95	187006	49.257	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	48273	19.238	ug/l	99
3) Chloromethane	2.068	50	66754	18.683	ug/l	99
4) Vinyl Chloride	2.202	62	82174	18.716	ug/l	94
5) Bromomethane	2.592	94	70373	18.604	ug/l	97
6) Chloroethane	2.732	64	56478	18.887	ug/l	99
7) Trichlorofluoromethane	3.056	101	115218	19.900	ug/l	98
8) Diethyl Ether	3.452	74	28039	18.606	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	62306	19.838	ug/l	97
10) Methyl Iodide	4.001	142	67604	18.591	ug/l	100
11) Tert butyl alcohol	4.866	59	12138	81.282	ug/l	98
12) 1,1-Dichloroethene	3.787	96	58265	19.903	ug/l	98
13) Acrolein	3.653	56	17856	66.621	ug/l	97
14) Allyl chloride	4.379	41	63510	18.632	ug/l	97
15) Acrylonitrile	5.055	53	48849	88.546	ug/l	98
16) Acetone	3.866	43	37306	91.214	ug/l	99
17) Carbon Disulfide	4.104	76	182459	19.547	ug/l	98
18) Methyl Acetate	4.379	43	23736	18.681	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	117798	17.978	ug/l	99
20) Methylene Chloride	4.610	84	66341	19.288	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64503	19.674	ug/l	95
22) Diisopropyl ether	6.012	45	147267	19.413	ug/l	96
23) Vinyl Acetate	5.958	43	372032	91.000	ug/l	99
24) 1,1-Dichloroethane	5.915	63	104275	19.831	ug/l #	96
25) 2-Butanone	6.896	43	53781	86.739	ug/l	98
26) 2,2-Dichloropropane	6.884	77	93707	20.333	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	72723	19.837	ug/l	99
28) Bromochloromethane	7.244	49	38682	18.940	ug/l	97
29) Tetrahydrofuran	7.256	42	34870	86.590	ug/l	99
30) Chloroform	7.421	83	118101	20.249	ug/l	98
31) Cyclohexane	7.701	56	84609	18.817	ug/l #	92
32) 1,1,1-Trichloroethane	7.616	97	106076	20.103	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79939	19.894	ug/l	100
37) Ethyl Acetate	6.982	43	25337	17.556	ug/l	97
38) Carbon Tetrachloride	7.817	117	99102	20.639	ug/l	98
39) Methylcyclohexane	9.109	83	95859	18.956	ug/l	96
40) Benzene	8.079	78	254338	20.248	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	12694	16.090	ug/l	#	84
42) 1,2-Dichloroethane	8.158	62	61949	19.920	ug/l		99
43) Isopropyl Acetate	8.195	43	48886	17.639	ug/l		99
44) Trichloroethene	8.866	130	70695	20.319	ug/l		97
45) 1,2-Dichloropropane	9.140	63	55919	20.131	ug/l		98
46) Dibromomethane	9.231	93	34103	19.612	ug/l		98
47) Bromodichloromethane	9.420	83	89355	20.570	ug/l		97
48) Methyl methacrylate	9.219	41	21714	16.948	ug/l		93
49) 1,4-Dioxane	9.231	88	6896	372.078	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	127974	88.084	ug/l		99
52) Toluene	10.170	92	167187	20.562	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	70469	18.912	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	88193	19.912	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	46804	20.150	ug/l		96
56) Ethyl methacrylate	10.438	69	46419	17.476	ug/l		97
57) 1,3-Dichloropropane	10.719	76	73345	19.697	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	112618	86.715	ug/l		100
59) 2-Hexanone	10.762	43	81146	84.678	ug/l		98
60) Dibromochloromethane	10.908	129	63759	19.827	ug/l		98
61) 1,2-Dibromoethane	11.018	107	43603	19.884	ug/l		96
64) Tetrachloroethene	10.646	164	81769	20.925	ug/l		98
65) Chlorobenzene	11.444	112	183689	19.830	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	65069	19.952	ug/l		97
67) Ethyl Benzene	11.517	91	295862	19.525	ug/l		99
68) m/p-Xylenes	11.627	106	244316	40.518	ug/l		99
69) o-Xylene	11.956	106	109092	19.629	ug/l		99
70) Styrene	11.969	104	187388	20.081	ug/l		99
71) Bromoform	12.133	173	37191	19.615	ug/l	#	98
73) Isopropylbenzene	12.255	105	288742	19.173	ug/l		100
74) N-amyl acetate	12.072	43	41858	16.178	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	46736	18.407	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	35111m	18.186	ug/l		
77) Bromobenzene	12.530	156	73542	19.326	ug/l		98
78) n-propylbenzene	12.597	91	349898	19.510	ug/l		100
79) 2-Chlorotoluene	12.682	91	203324	19.494	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	243534	19.627	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	13702	17.090	ug/l		96
82) 4-Chlorotoluene	12.779	91	211849	19.539	ug/l		98
83) tert-Butylbenzene	12.999	119	211608	19.015	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	242538	19.542	ug/l		98
85) sec-Butylbenzene	13.176	105	316527	19.438	ug/l		99
86) p-Isopropyltoluene	13.292	119	268577	19.423	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	153561	19.869	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	150028	19.600	ug/l		99
89) n-Butylbenzene	13.621	91	230584	18.656	ug/l		99
90) Hexachloroethane	13.877	117	59920	19.723	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	130714	19.391	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7153	17.708	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	72623	19.012	ug/l		99
94) Hexachlorobutadiene	15.023	225	47671	20.283	ug/l		97
95) Naphthalene	15.145	128	104223	16.425	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	61917	18.778	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

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

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

Sample Results: **VY022097.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VY0501SBS01

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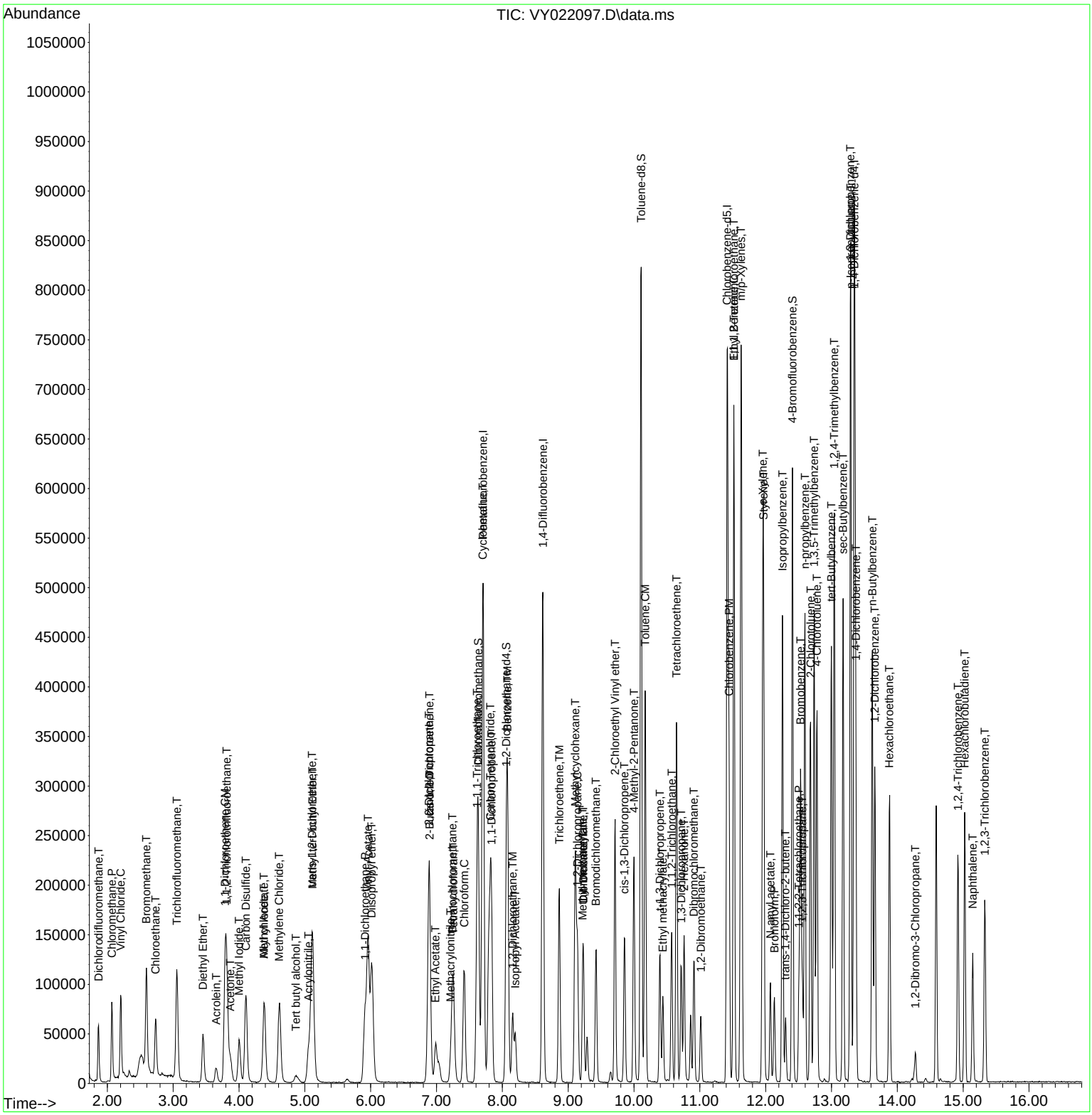
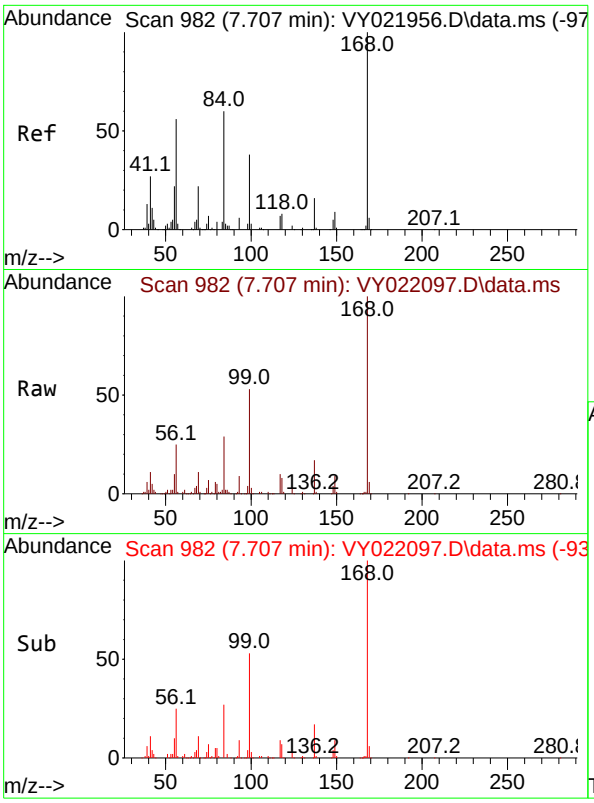
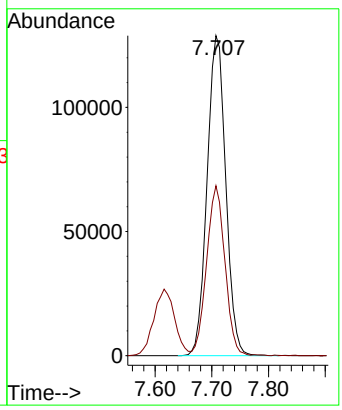




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:168 Resp: 29448

Ion	Ratio	Lower	Upper
168	100		
99	53.0	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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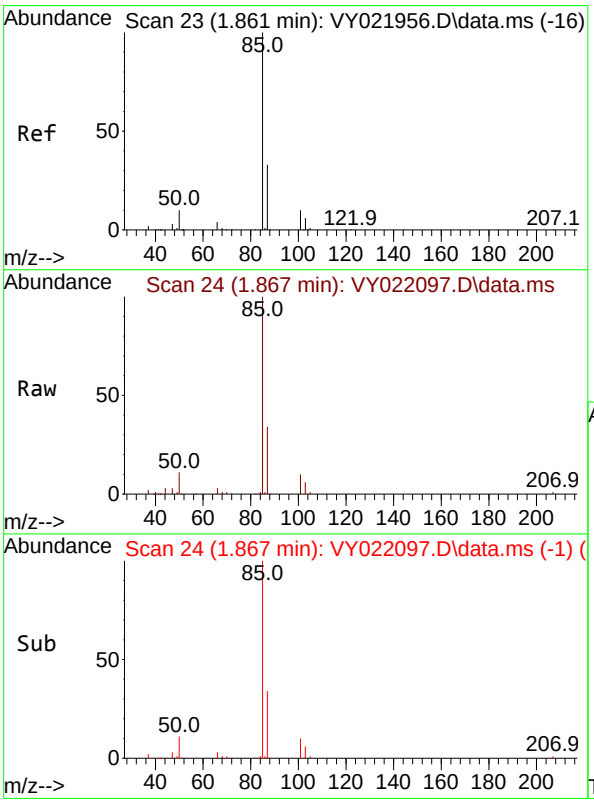
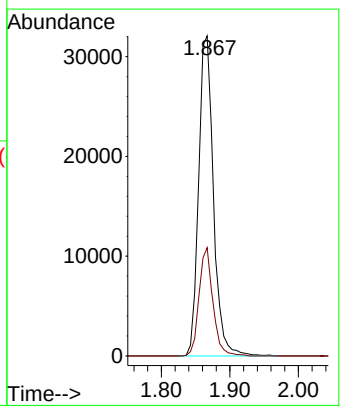
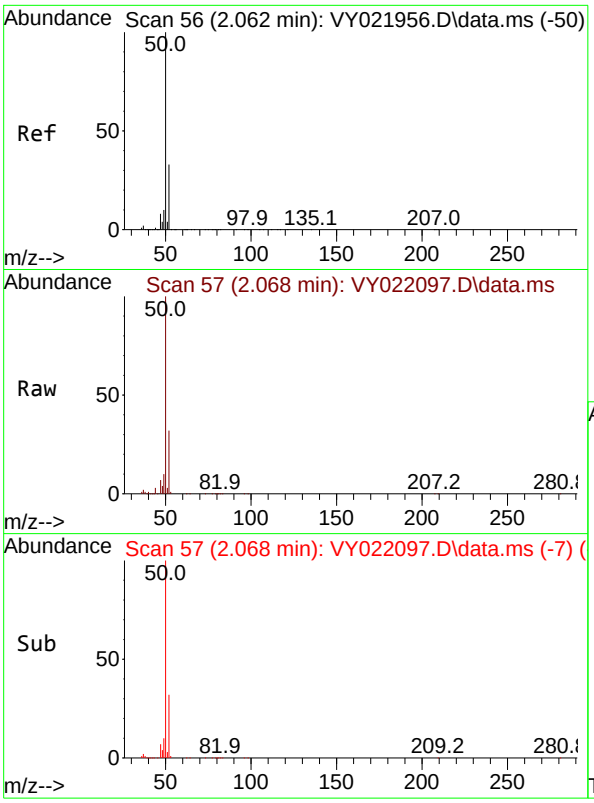


#2
Dichlorodifluoromethane
Concen: 19.238 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 85 Resp: 48273

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.7

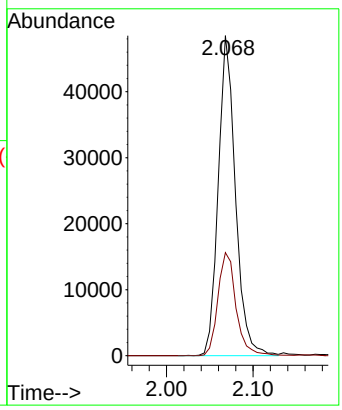




#3
Chloromethane
Concen: 18.683 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 50 Resp: 6675

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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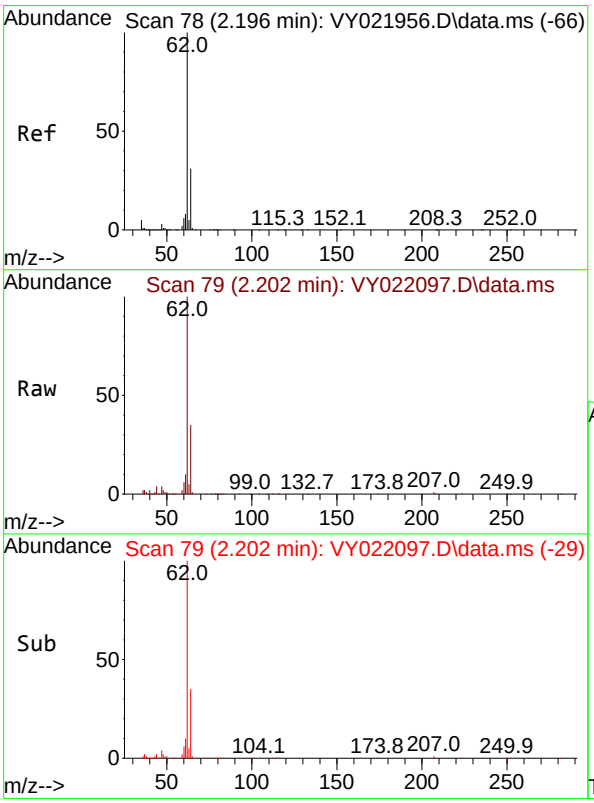
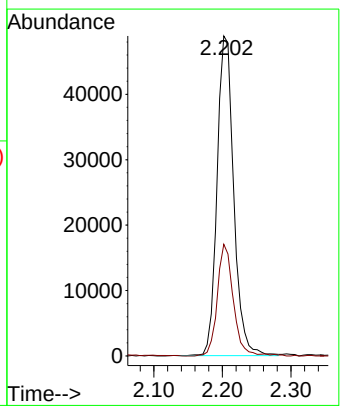
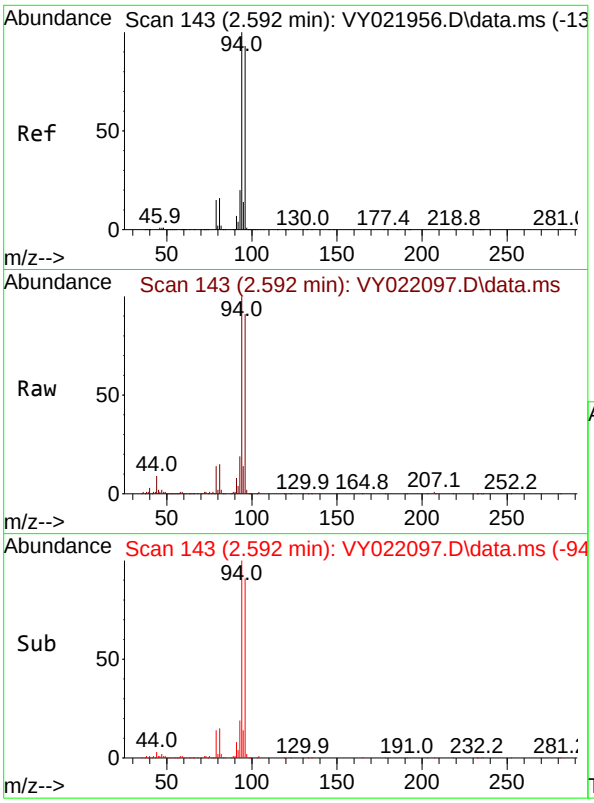


#4
Vinyl Chloride
Concen: 18.716 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 62 Resp: 82174

Ion	Ratio	Lower	Upper
62	100		
64	34.8	25.1	37.7





#5
Bromomethane
Concen: 18.604 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 94 Resp: 7037

Ion	Ratio	Lower	Upper
94	100		
96	90.6	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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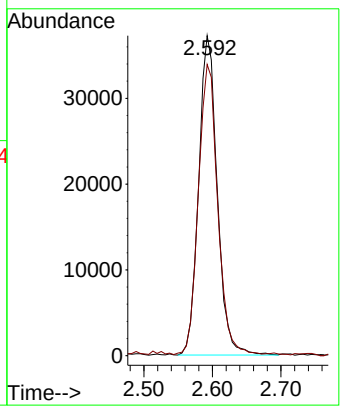
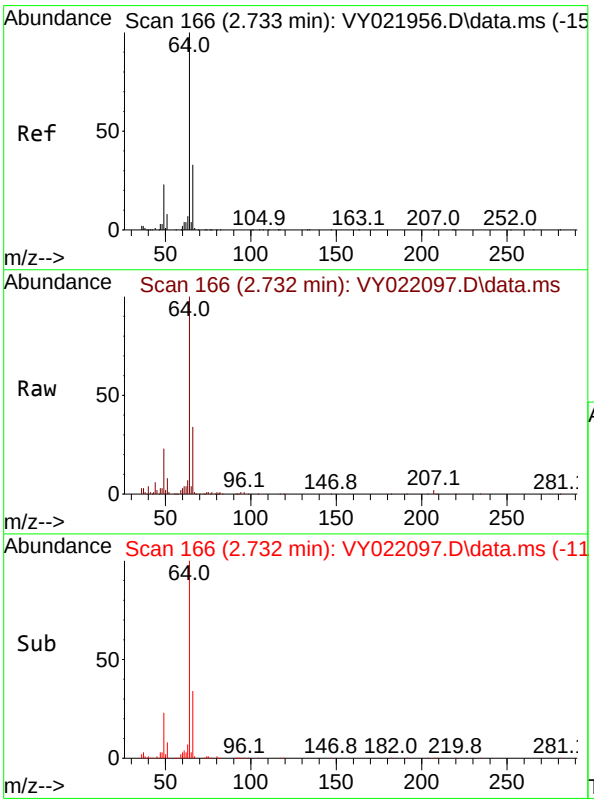
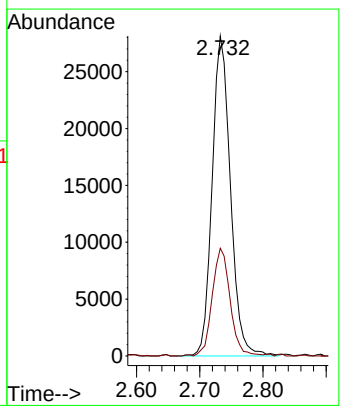


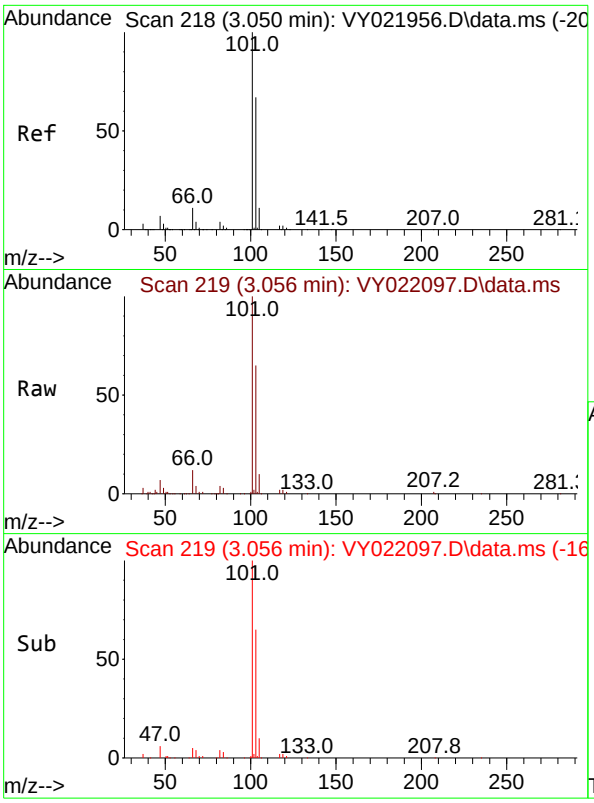


#6
Chloroethane
Concen: 18.887 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 64 Resp: 56478

Ion	Ratio	Lower	Upper
64	100		
66	33.6	26.2	39.4

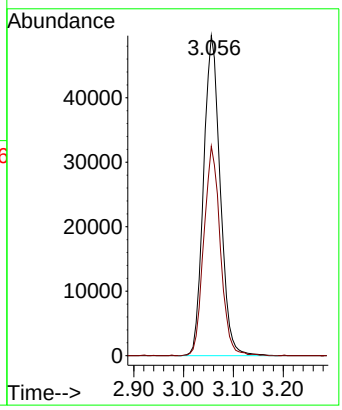




#7
Trichlorofluoromethane
Concen: 19.900 ug/l
RT: 3.056 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:101 Resp: 11521

Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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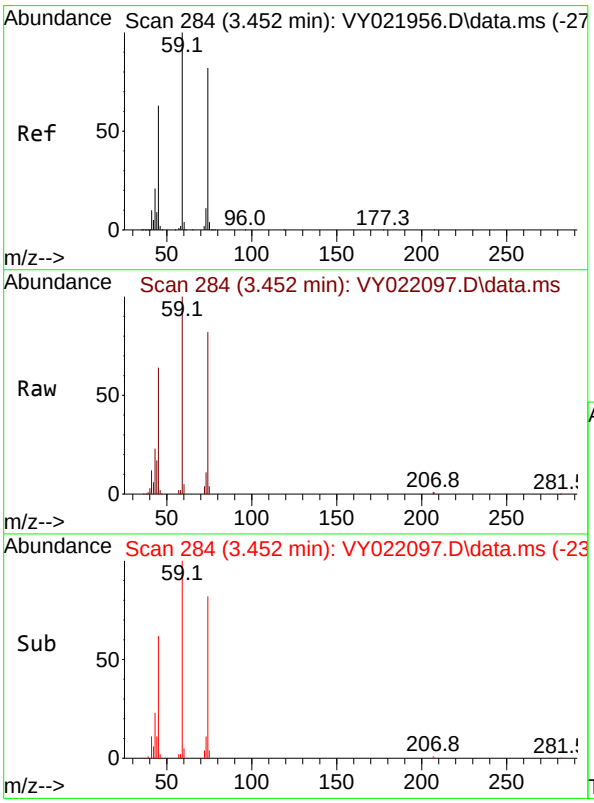
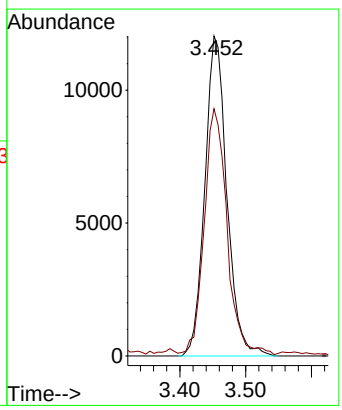
Supervised By :Mahesh Dadoda 05/05/2025

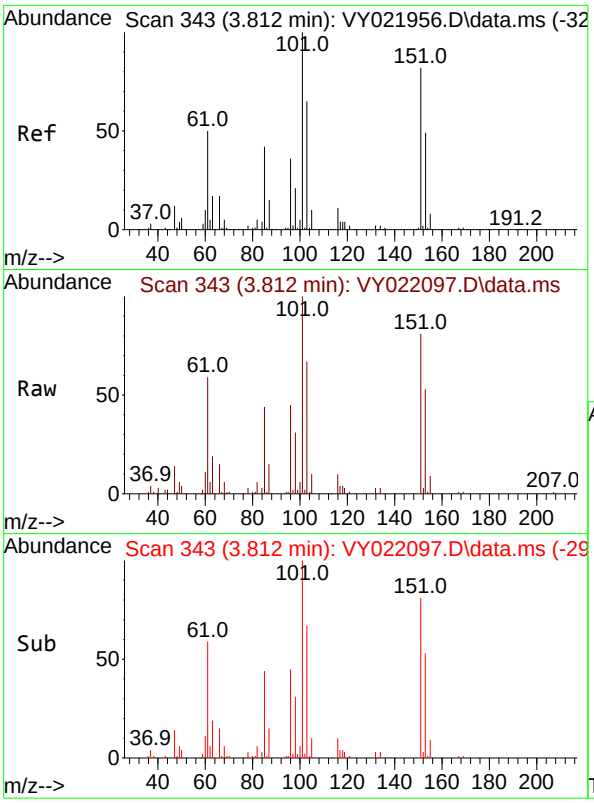


#8
Diethyl Ether
Concen: 18.606 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 74 Resp: 28039

Ion	Ratio	Lower	Upper
74	100		
45	79.6	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.838 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:101 Resp: 6230

Ion	Ratio	Lower	Upper
101	100		
85	44.4	34.6	51.8
151	82.2	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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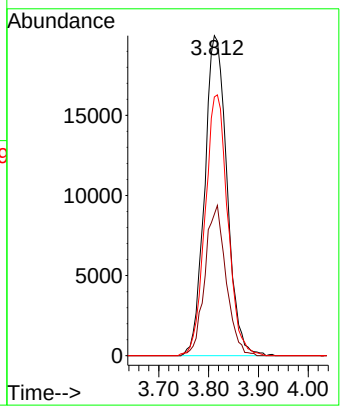
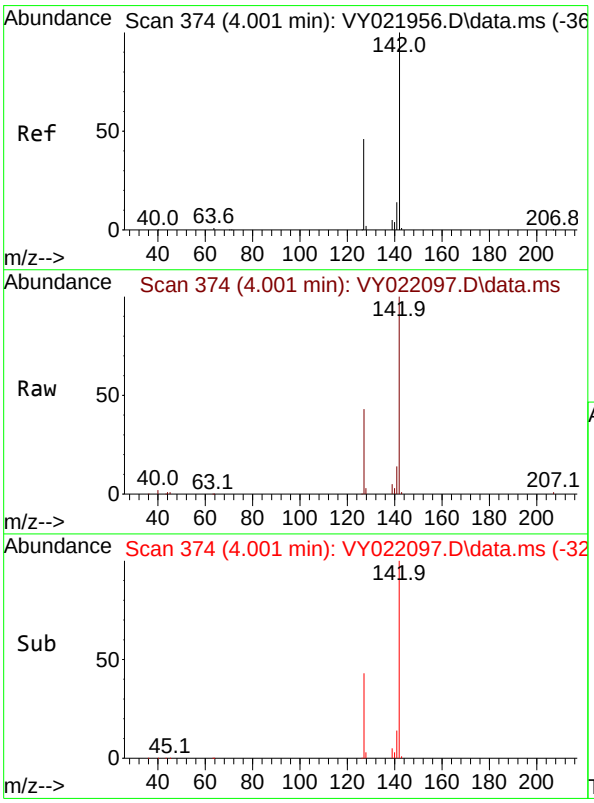
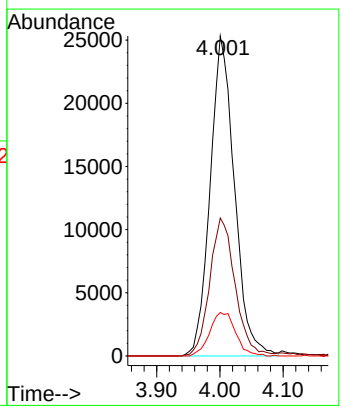


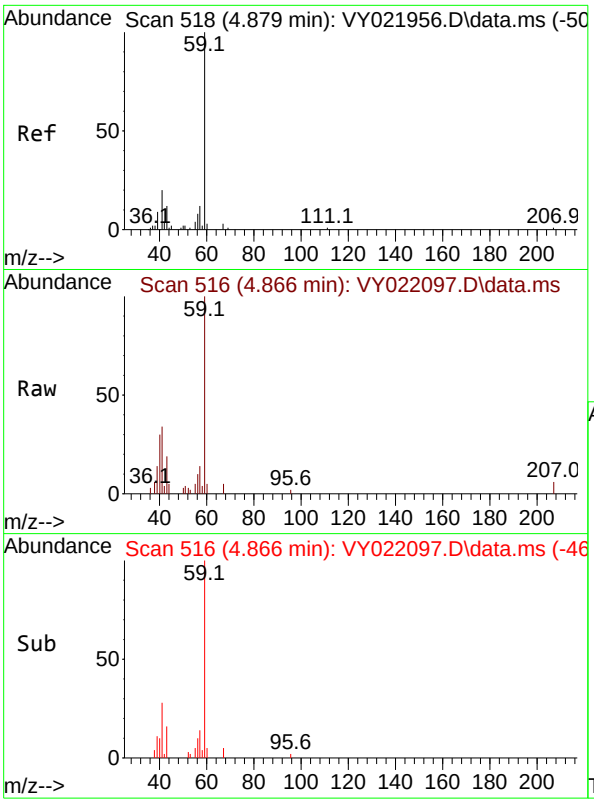


#10
Methyl Iodide
Concen: 18.591 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:142 Resp: 67604

Ion	Ratio	Lower	Upper
142	100		
127	44.9	36.2	54.2
141	14.5	11.7	17.5





#11
Tert butyl alcohol
Concen: 81.282 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 59 Resp: 1213

Ion	Ratio	Lower	Upper
59	100		
57	12.3	9.3	13.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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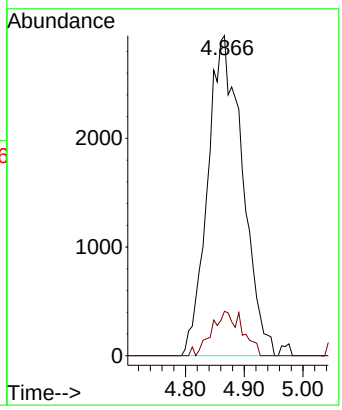
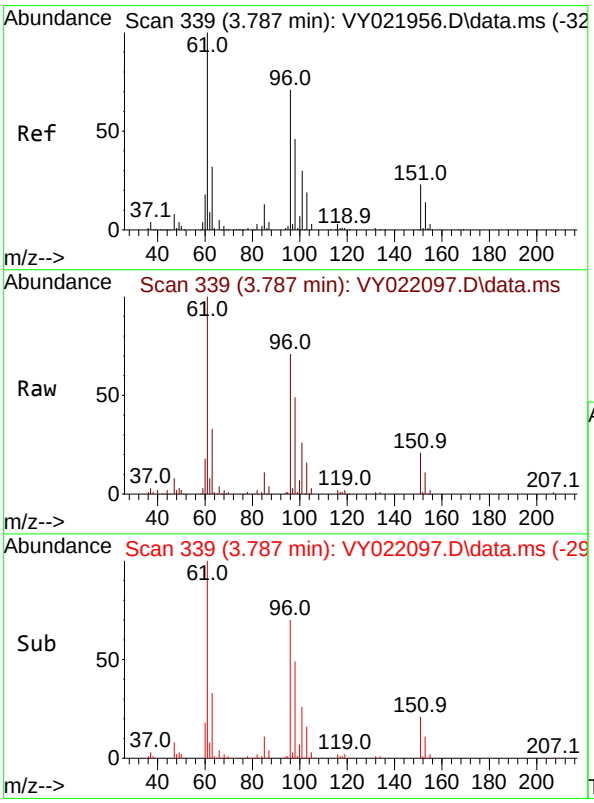
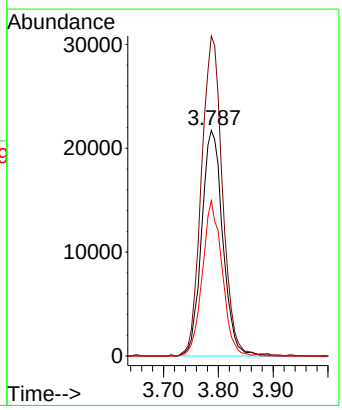


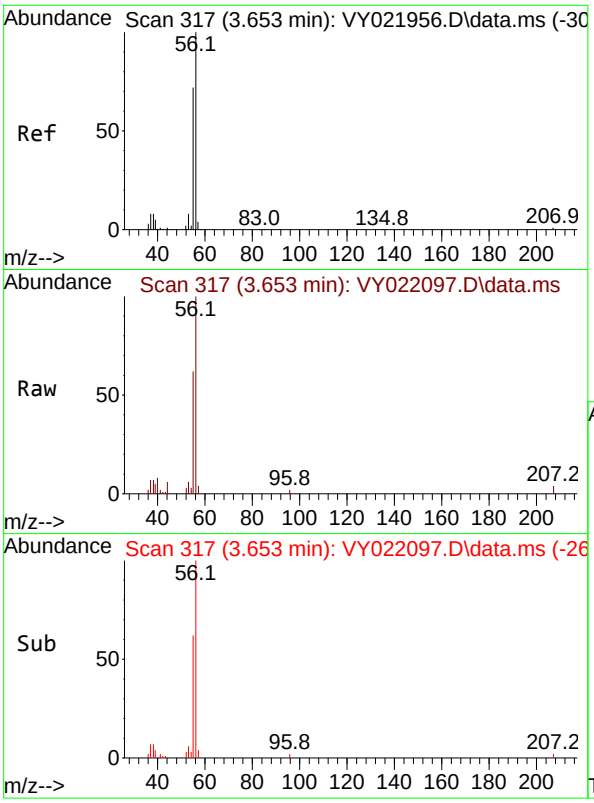


#12
1,1-Dichloroethene
Concen: 19.903 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 96 Resp: 58265

Ion	Ratio	Lower	Upper
96	100		
61	141.8	113.0	169.4
98	68.9	51.4	77.2

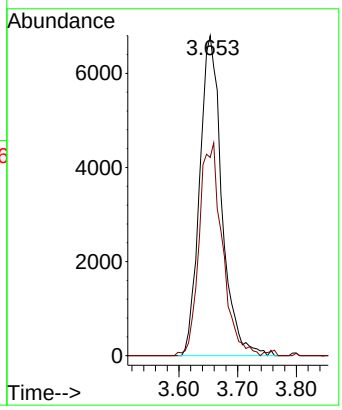




#13
Acrolein
Concen: 66.621 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 56 Resp: 1785

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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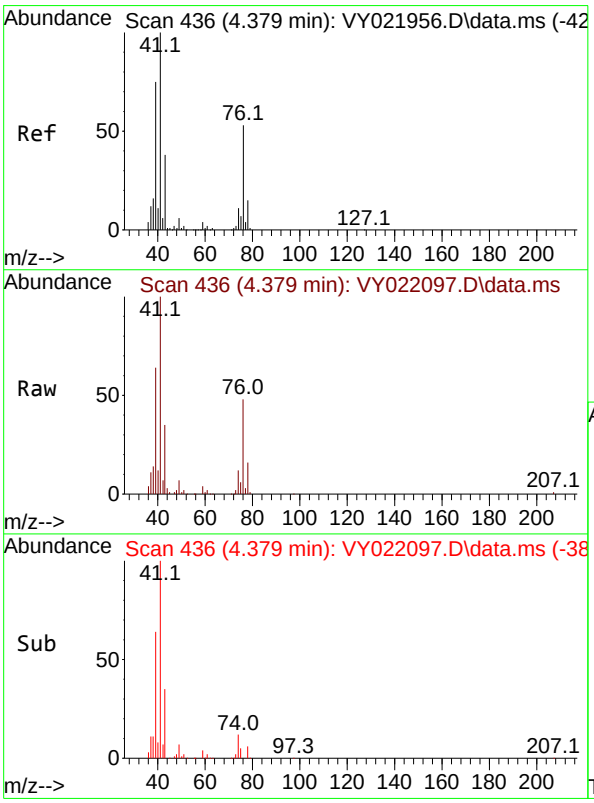
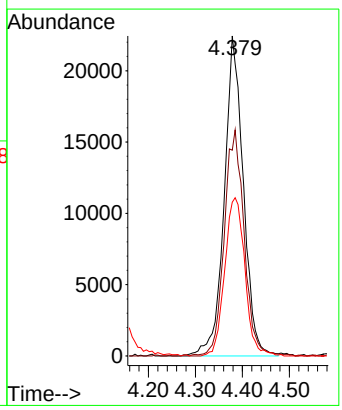
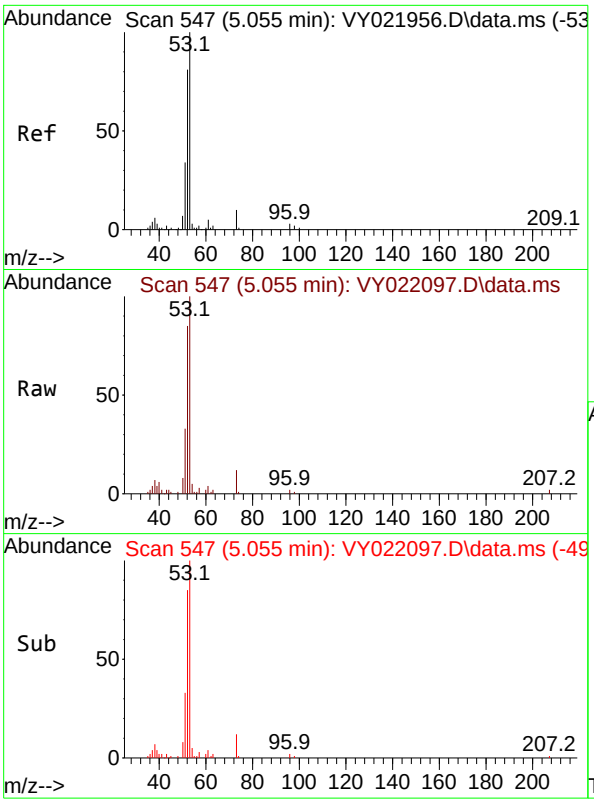


#14
Allyl chloride
Concen: 18.632 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 41 Resp: 63510

Ion	Ratio	Lower	Upper
41	100		
39	73.4	57.2	85.8
76	52.2	39.7	59.5

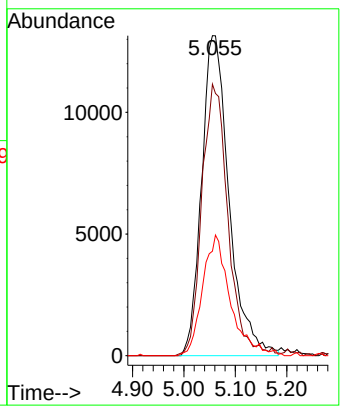




#15
Acrylonitrile
Concen: 88.546 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 53 Resp: 4884

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.0	97.6
51	37.9	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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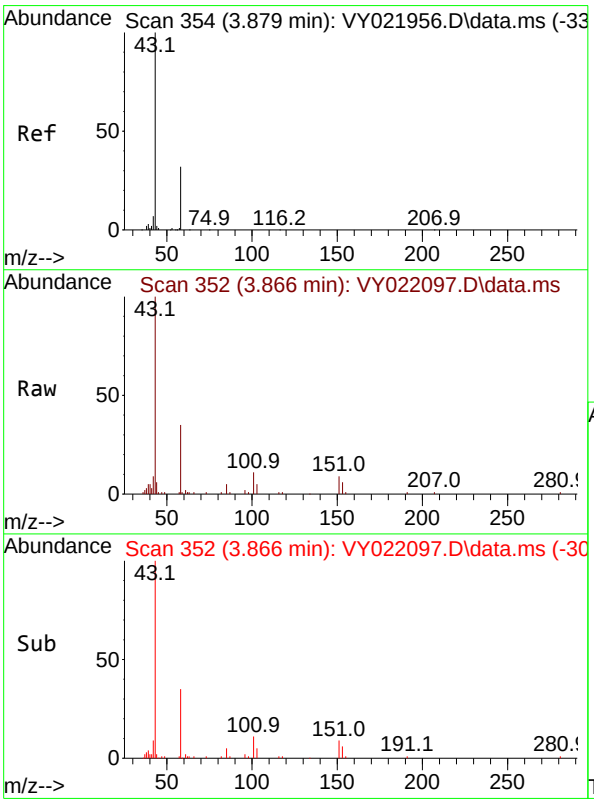
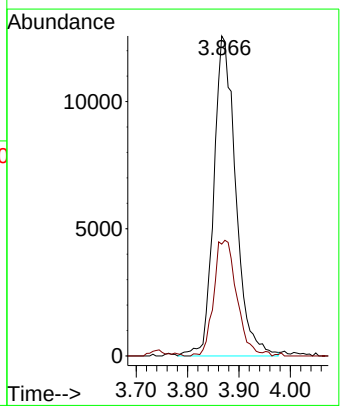
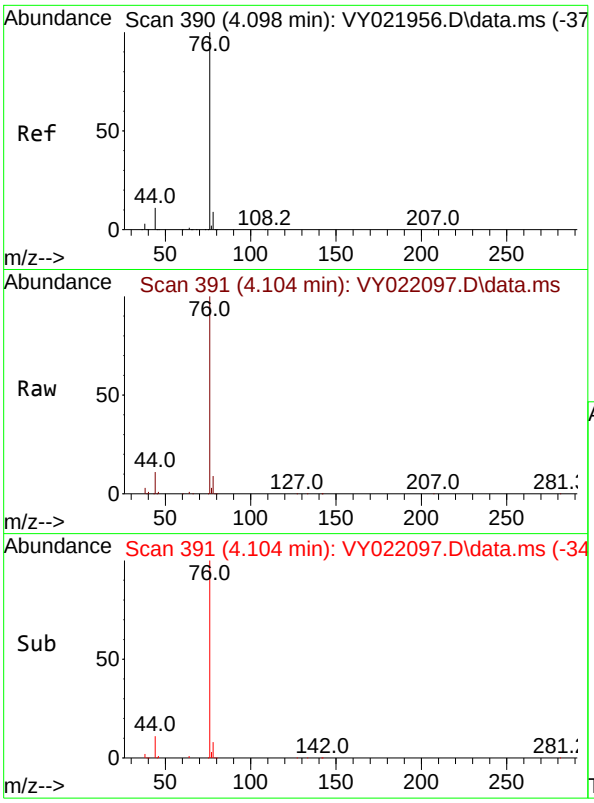


#16
Acetone
Concen: 91.214 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 37306

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4





#17
Carbon Disulfide
Concen: 19.547 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

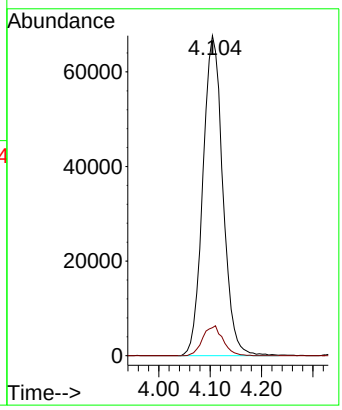
Tgt Ion: 76 Resp: 18245

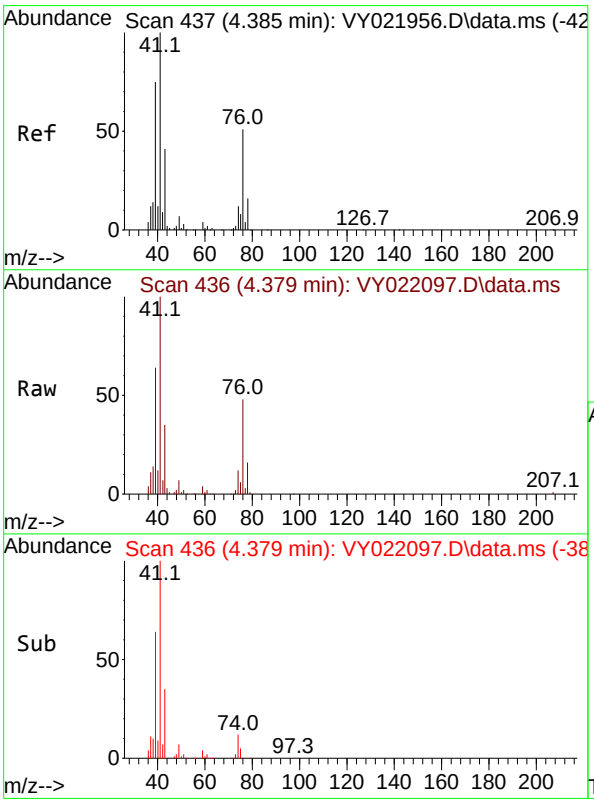
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

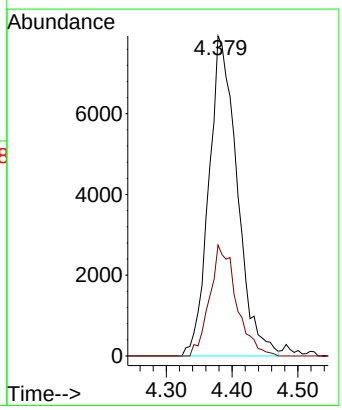


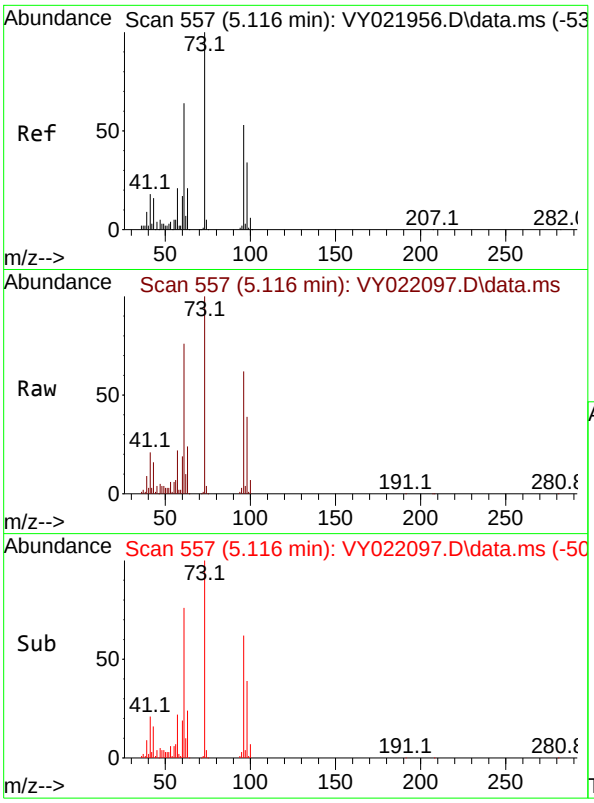


#18
Methyl Acetate
Concen: 18.681 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 23736

Ion	Ratio	Lower	Upper
43	100		
74	32.8	24.2	36.4

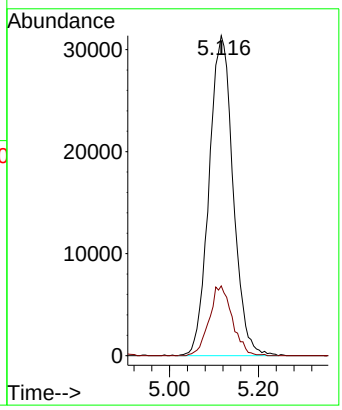




#19
Methyl tert-butyl Ether
Concen: 17.978 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 73 Resp: 11779

Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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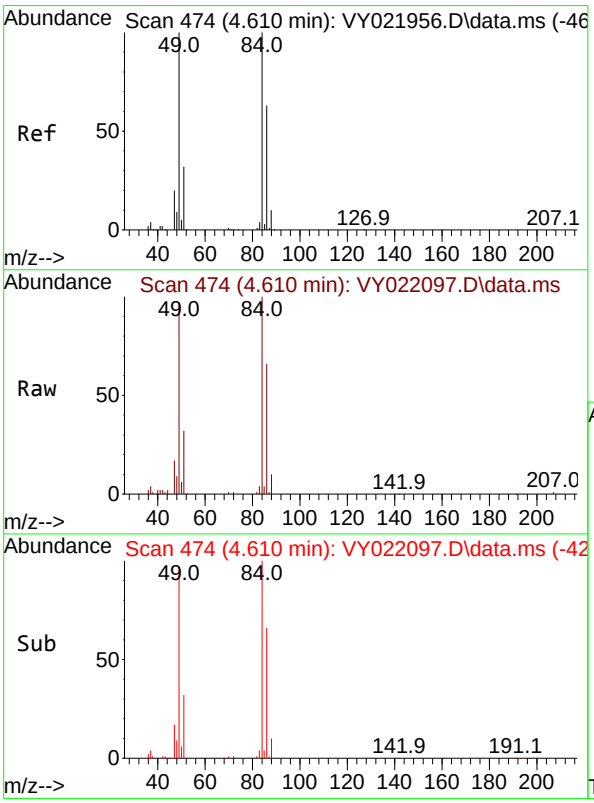
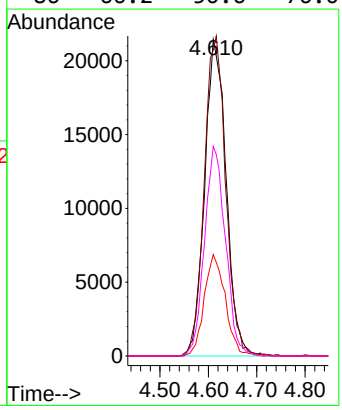
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

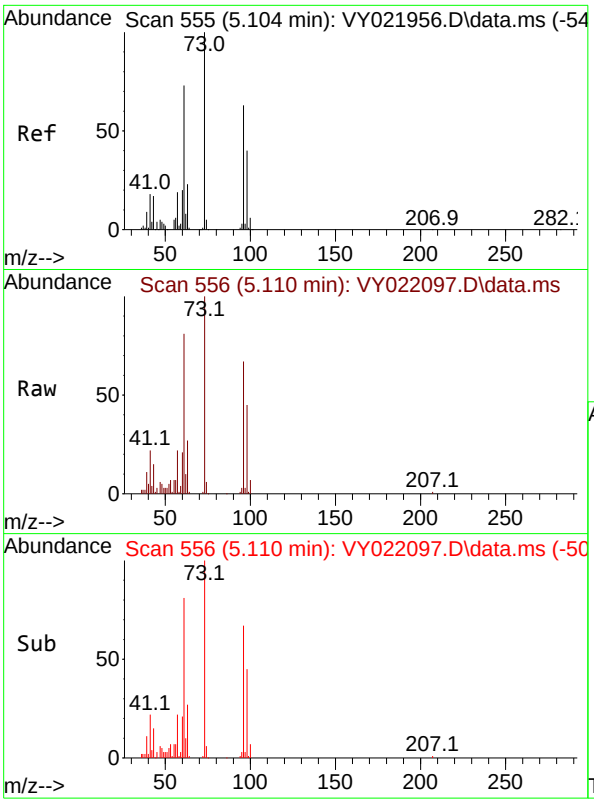


#20
Methylene Chloride
Concen: 19.288 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 84 Resp: 66341

Ion	Ratio	Lower	Upper
84	100		
49	96.6	79.9	119.9
51	32.1	25.4	38.0
86	66.2	50.6	76.0

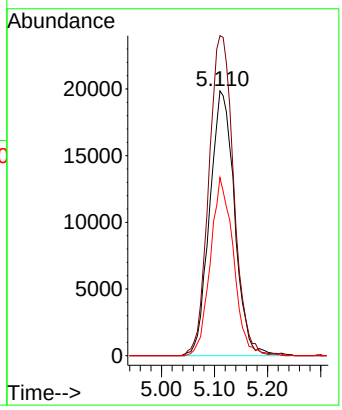




#21
trans-1,2-Dichloroethene
Concen: 19.674 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 96 Resp: 6450

Ion	Ratio	Lower	Upper
96	100		
61	120.8	92.6	138.8
98	67.3	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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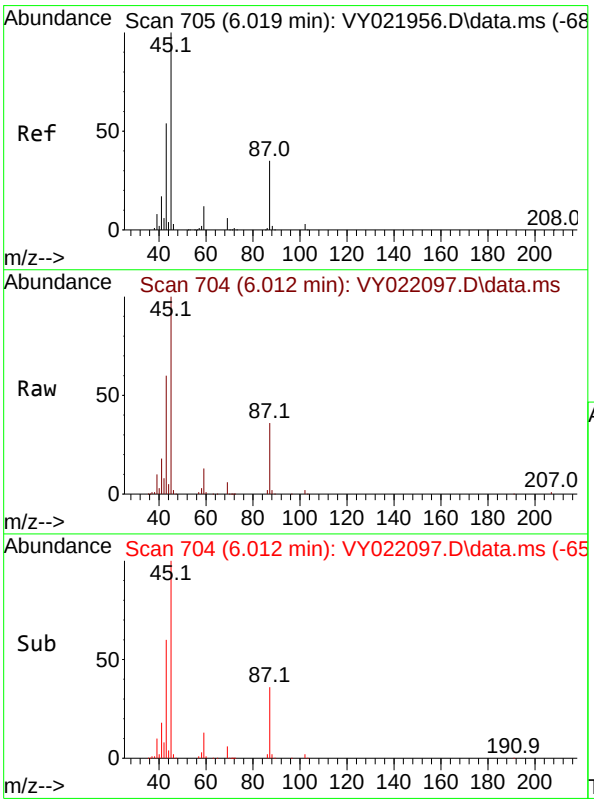
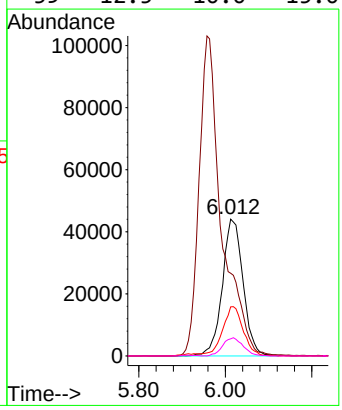
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

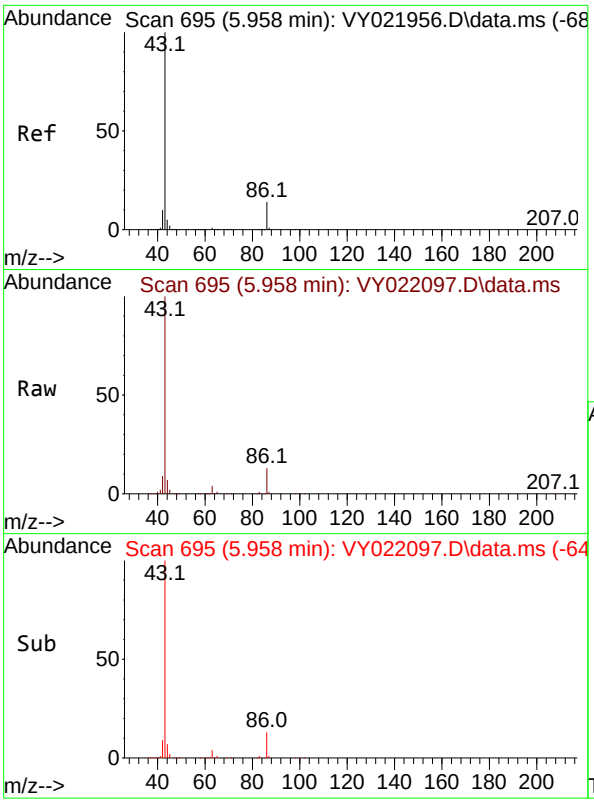


#22
Diisopropyl ether
Concen: 19.413 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 45 Resp: 147267

Ion	Ratio	Lower	Upper
45	100		
43	60.1	43.6	65.4
87	35.8	28.2	42.4
59	12.5	10.0	15.0





#23
Vinyl Acetate
Concen: 91.000 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 37203

Ion	Ratio	Lower	Upper
43	100		
86	13.3	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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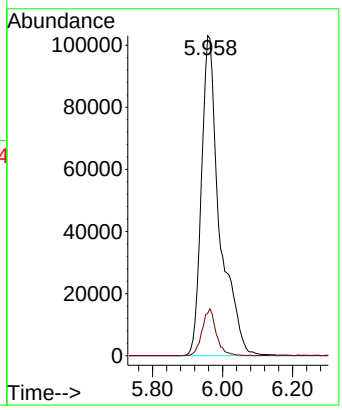
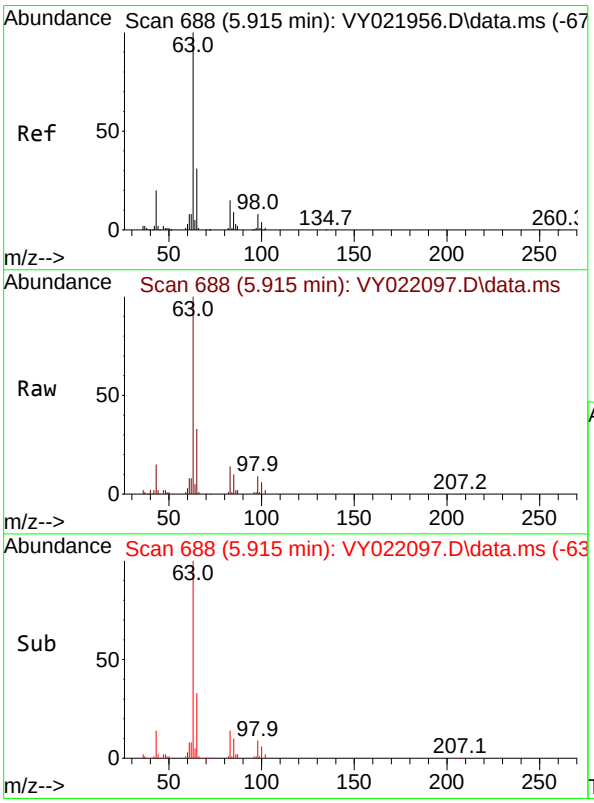
Supervised By :Mahesh Dadoda 05/05/2025

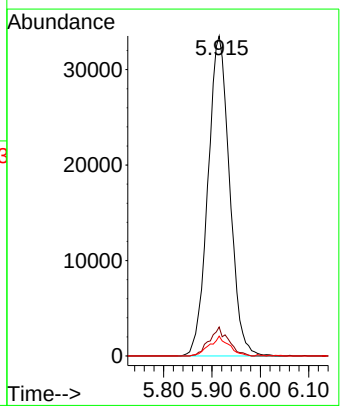


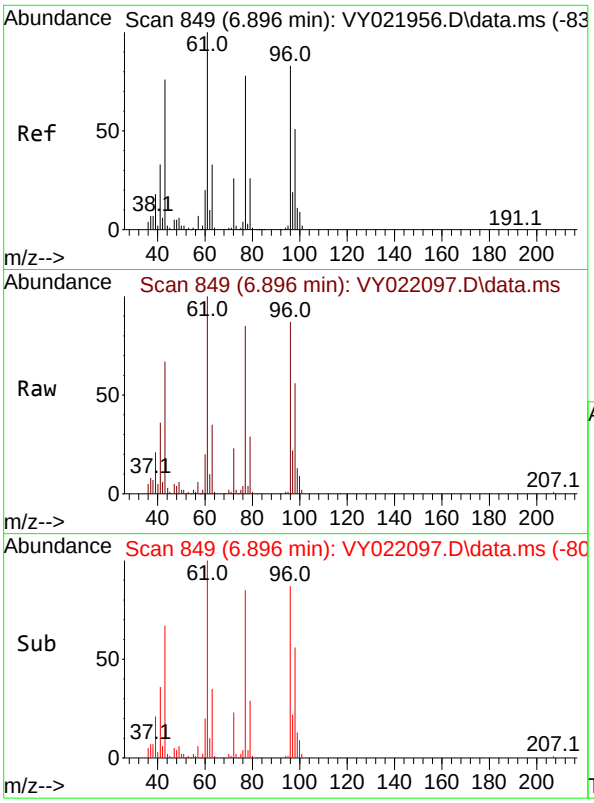


#24
1,1-Dichloroethane
Concen: 19.831 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 63 Resp: 104275

Ion	Ratio	Lower	Upper
63	100		
98	9.0	4.0	11.9
100	6.2	2.0	6.0#





#25
2-Butanone
Concen: 86.739 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 5378

Ion	Ratio	Lower	Upper
43	100		
72	34.7	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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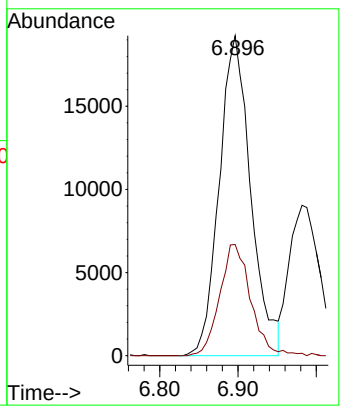
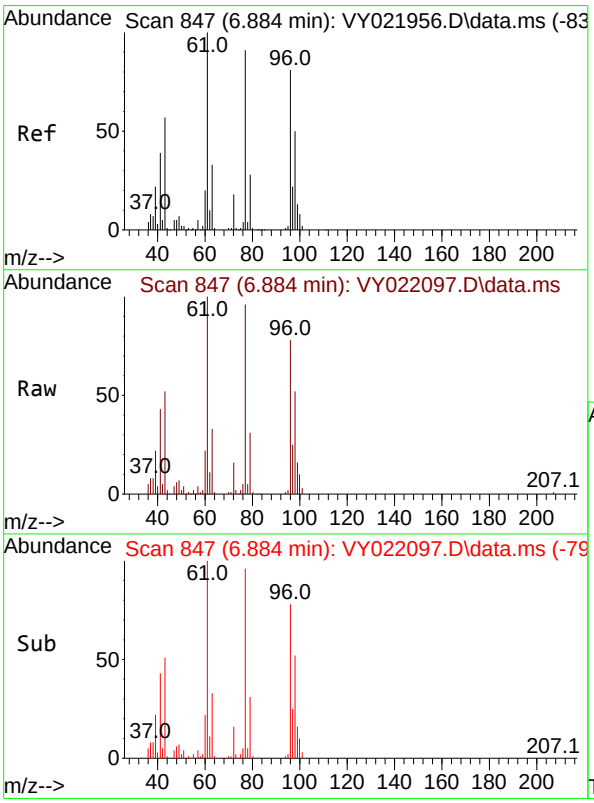
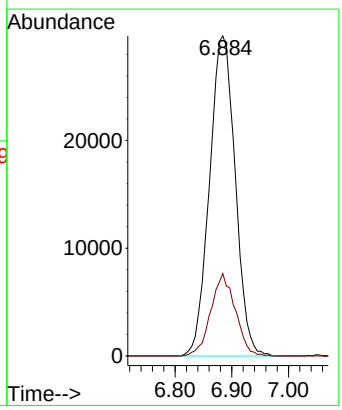


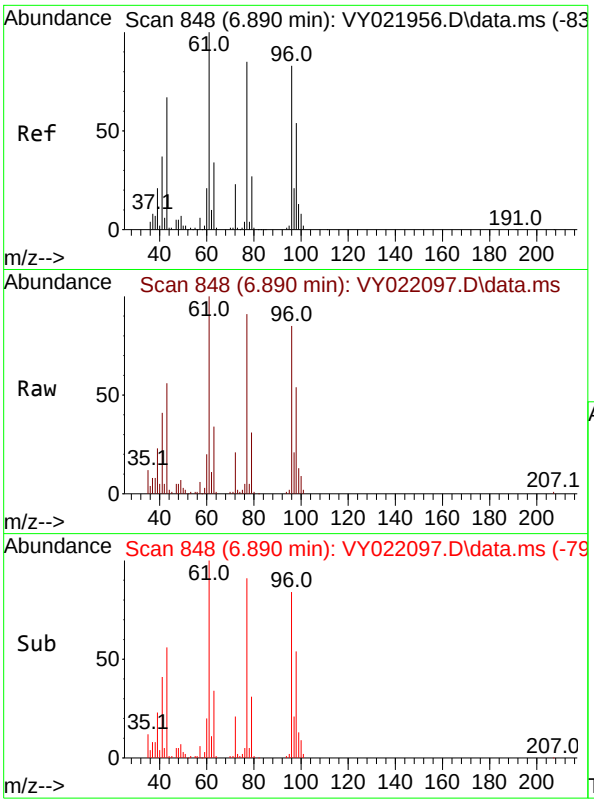


#26
2,2-Dichloropropane
Concen: 20.333 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 77 Resp: 93707

Ion	Ratio	Lower	Upper
77	100		
97	24.5	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 19.837 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

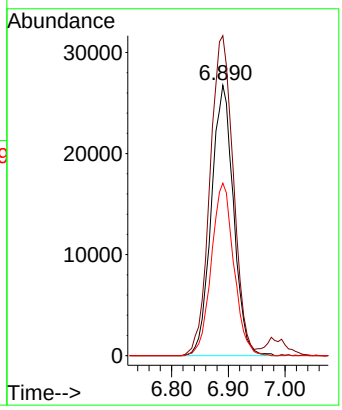
Tgt Ion: 96 Resp: 7272

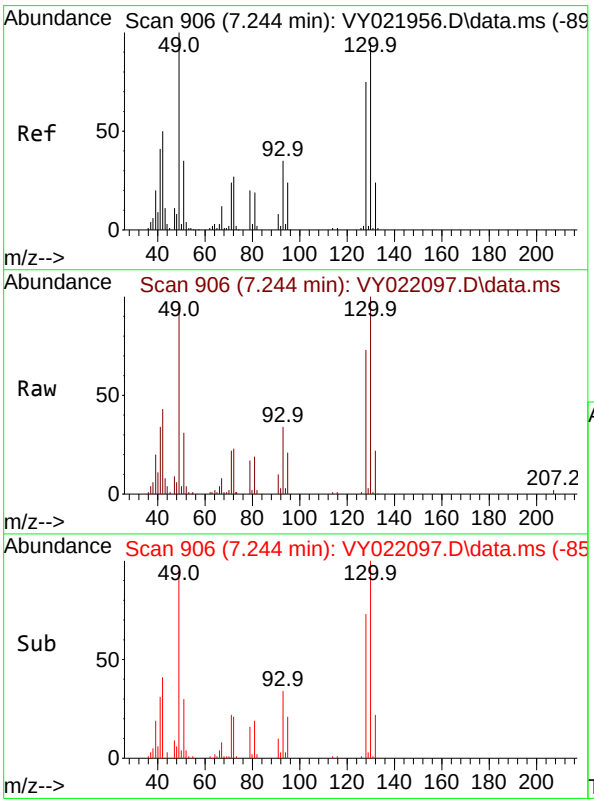
Ion	Ratio	Lower	Upper
96	100		
61	124.9	0.0	251.4
98	64.6	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

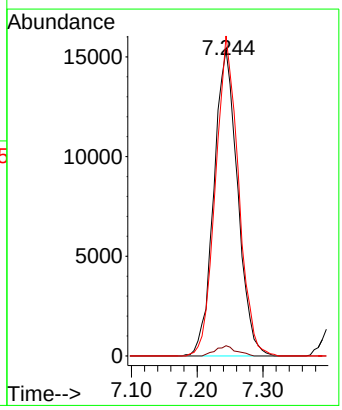


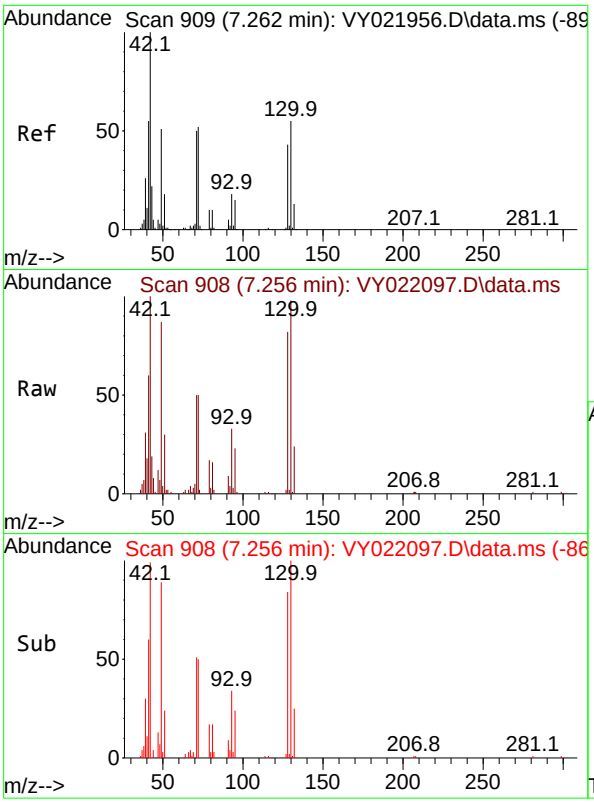


#28
Bromochloromethane
Concen: 18.940 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 49 Resp: 38682

Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.0
130	100.7	78.2	117.4





#29
Tetrahydrofuran
Concen: 86.590 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 42 Resp: 3487

Ion	Ratio	Lower	Upper
42	100		
72	53.9	42.6	63.8
71	51.4	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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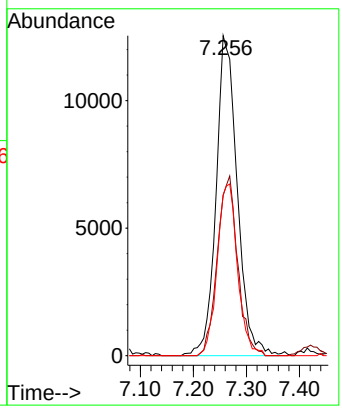
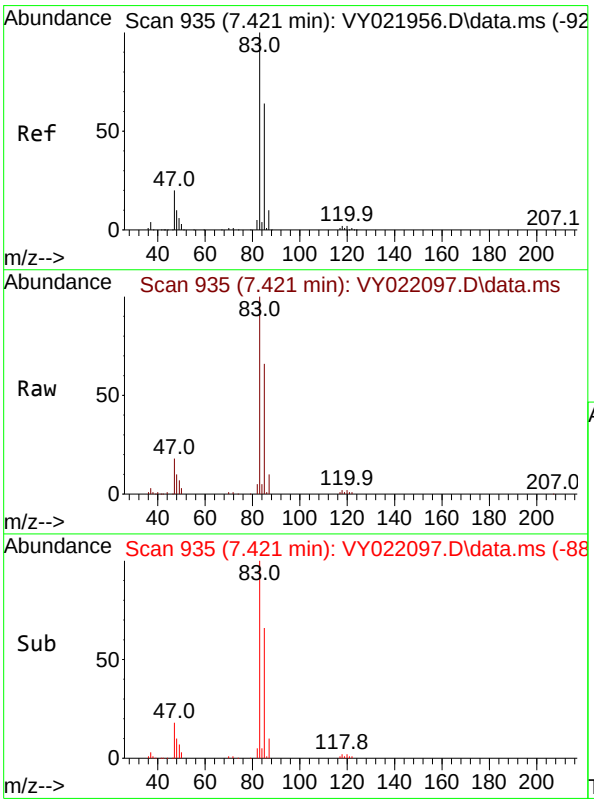
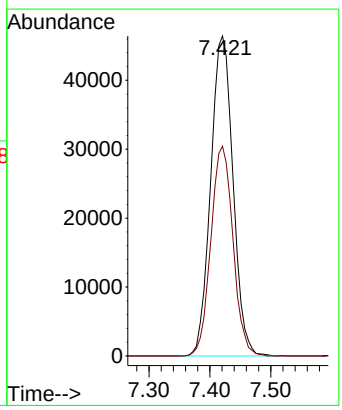


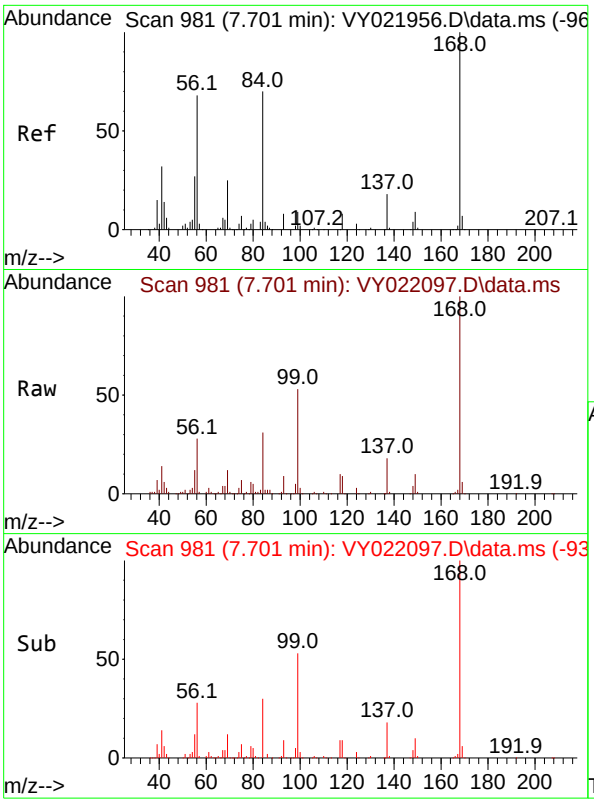


#30
Chloroform
Concen: 20.249 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 83 Resp: 118101

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.3	76.9





#31
Cyclohexane
Concen: 18.817 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 56 Resp: 8460

Ion	Ratio	Lower	Upper
56	100		
69	44.3	29.4	44.2
84	108.7	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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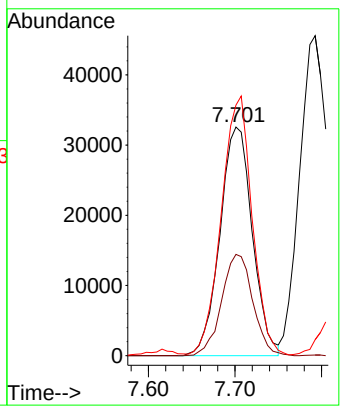
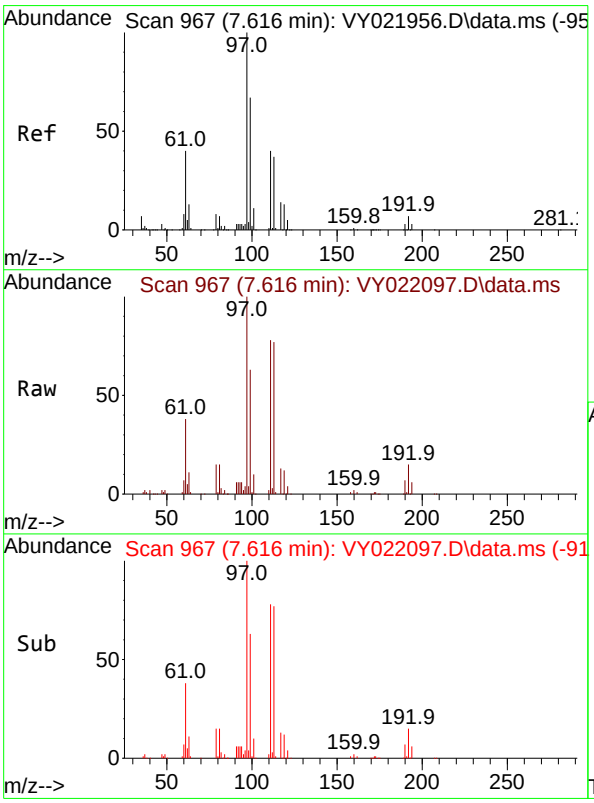
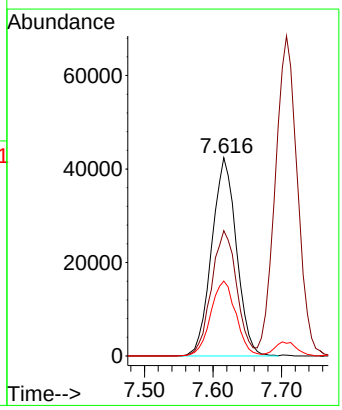


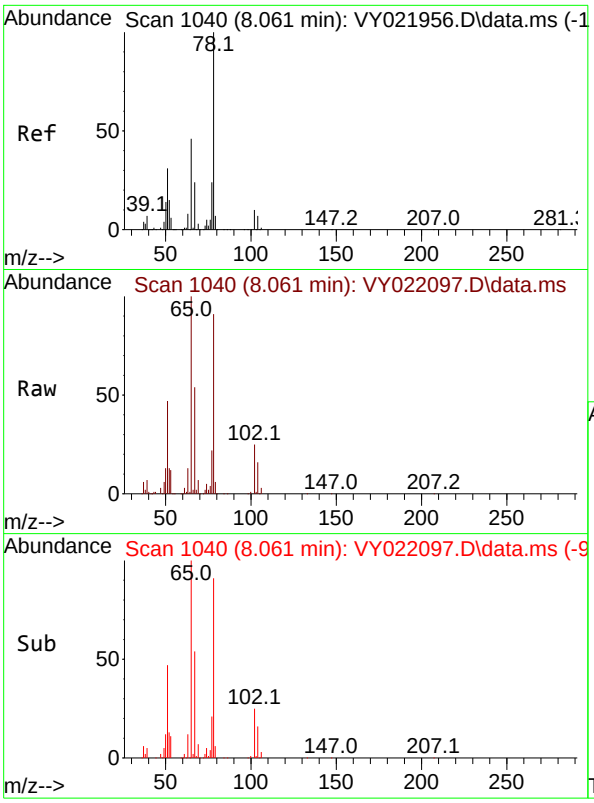


#32
1,1,1-Trichloroethane
Concen: 20.103 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 97 Resp: 106076

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	38.6	31.4	47.2

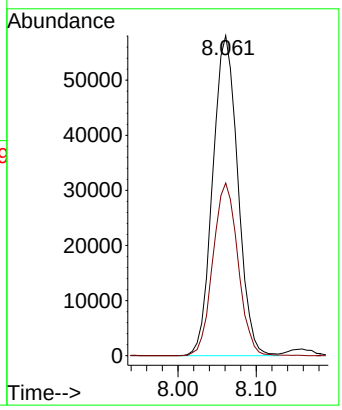




#33
1,2-Dichloroethane-d4
Concen: 47.479 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 65 Resp: 12914

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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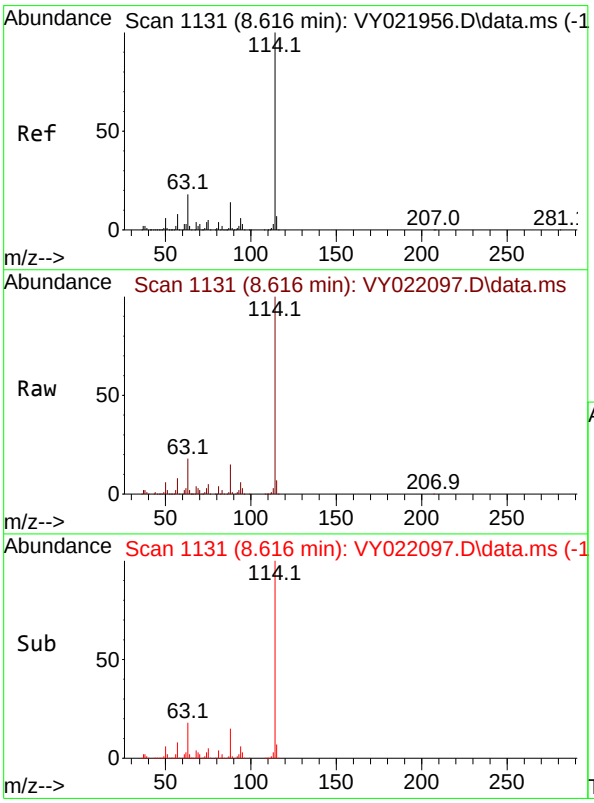
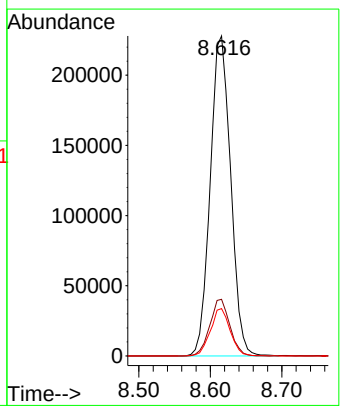
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

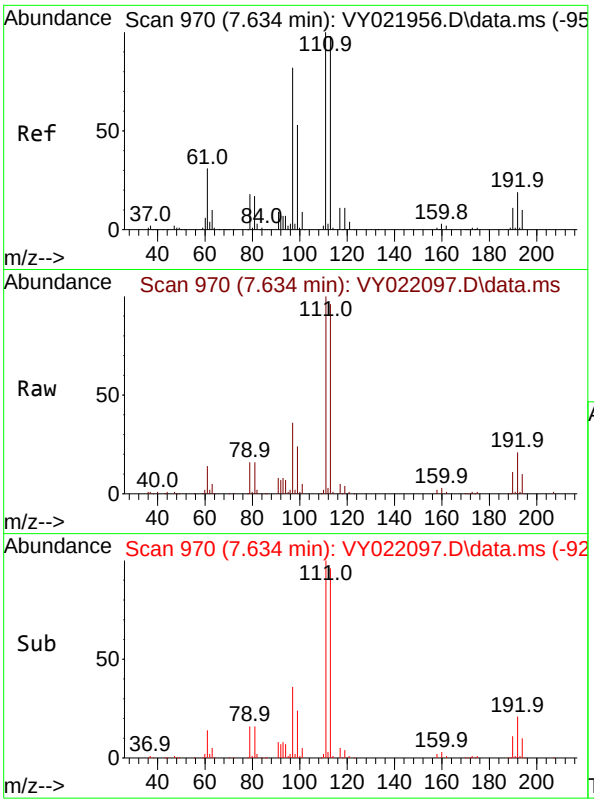


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:114 Resp: 452802

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.8	0.0	28.2





#35
Dibromofluoromethane
Concen: 49.549 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:113 Resp: 14822

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	20.8	15.6	23.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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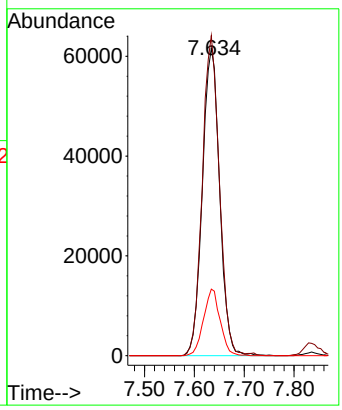
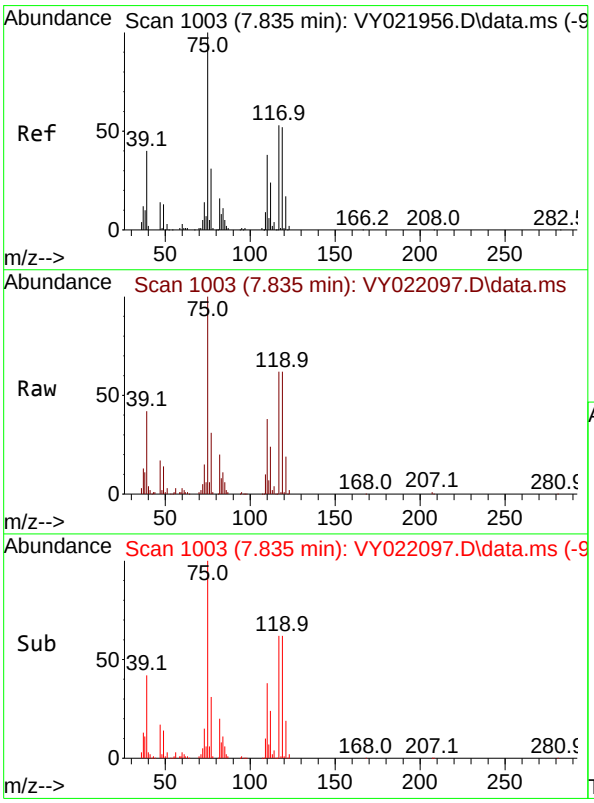
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

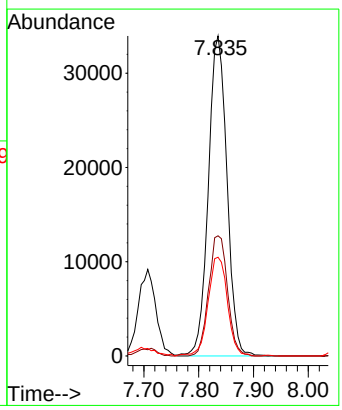


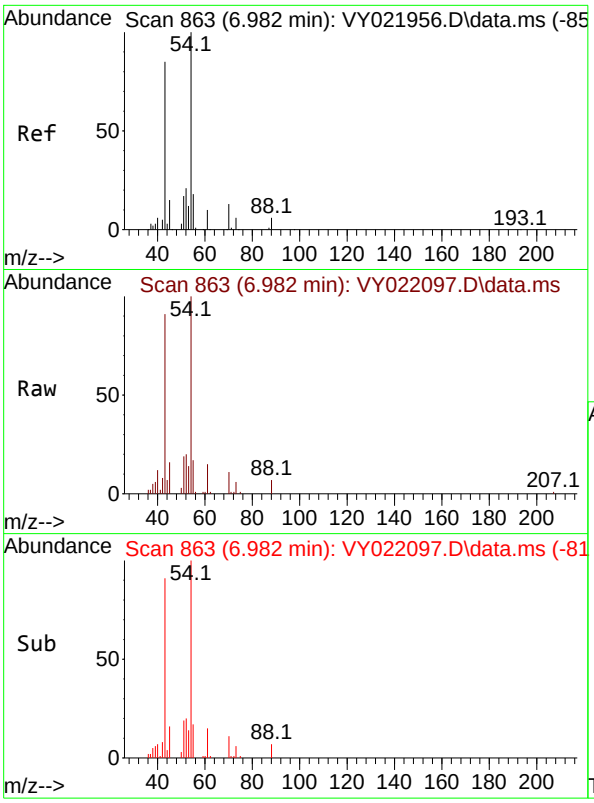


#36
1,1-Dichloropropene
Concen: 19.894 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 79939

Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.3
77	32.1	25.5	38.3





#37
Ethyl Acetate
Concen: 17.556 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 2533

Ion	Ratio	Lower	Upper
43	100		
61	18.1	13.8	20.6
70	13.3	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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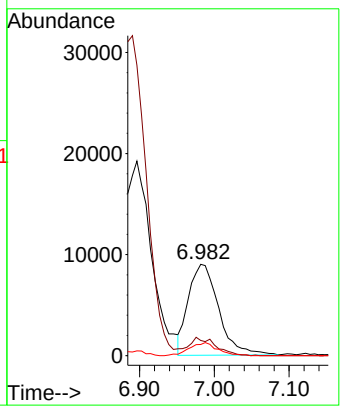
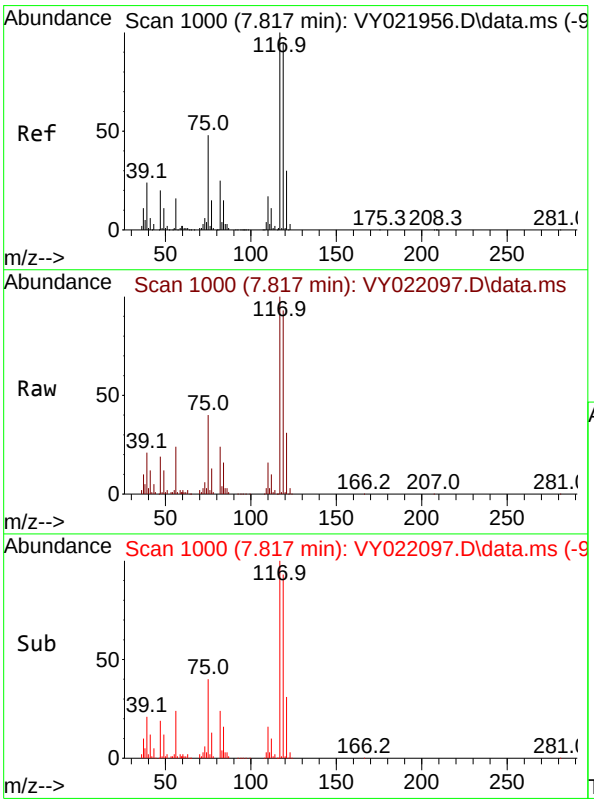
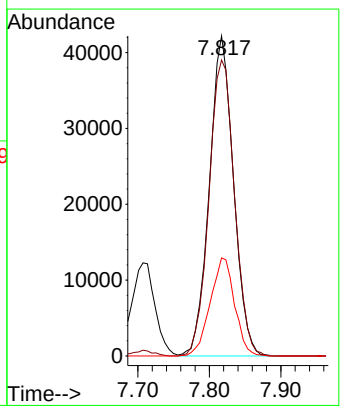


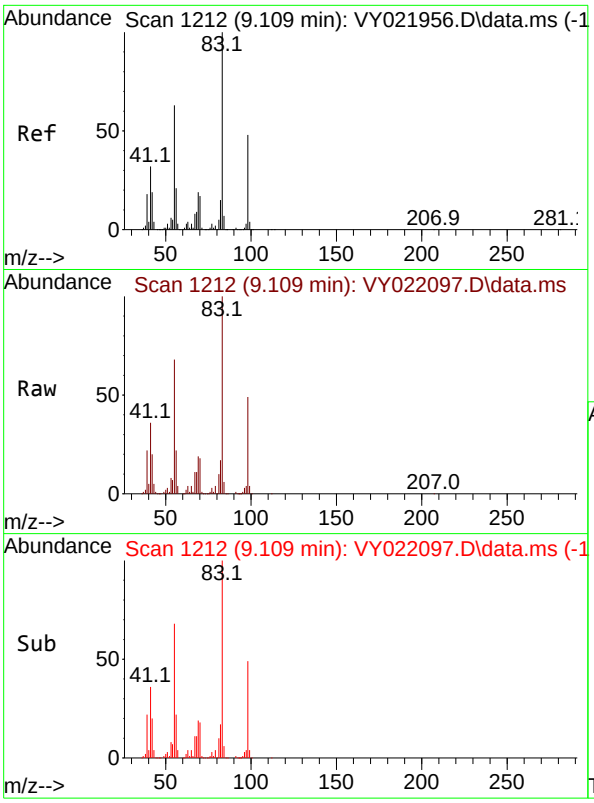


#38
Carbon Tetrachloride
Concen: 20.639 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:117 Resp: 99102

Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.2	114.4
121	30.6	24.0	36.0





#39
Methylcyclohexane
Concen: 18.956 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 83 Resp: 9585

Ion	Ratio	Lower	Upper
83	100		
55	68.1	50.6	75.8
98	48.9	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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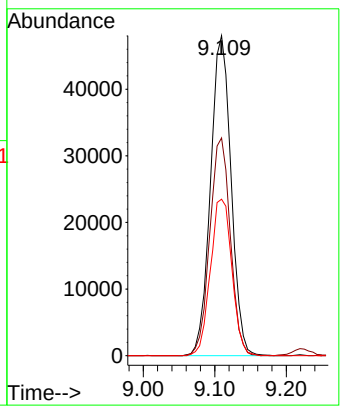
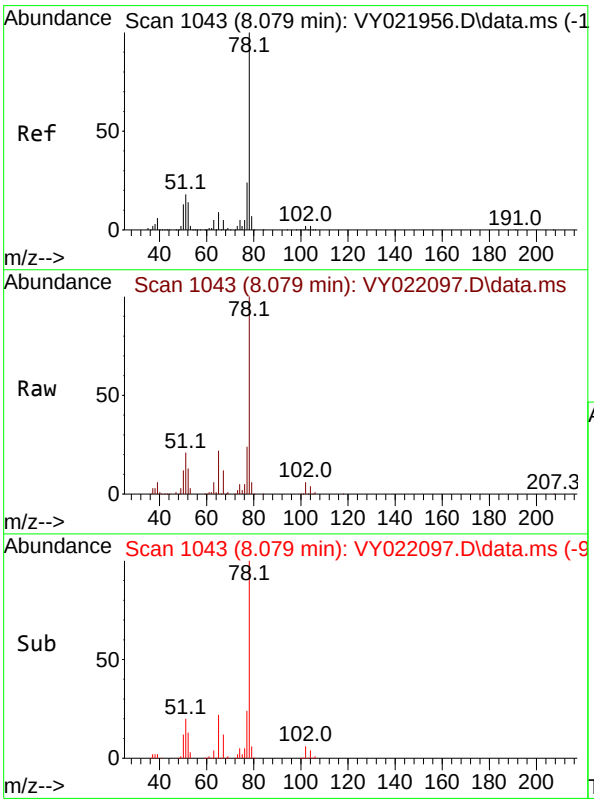
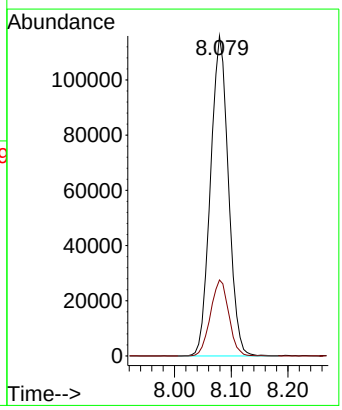


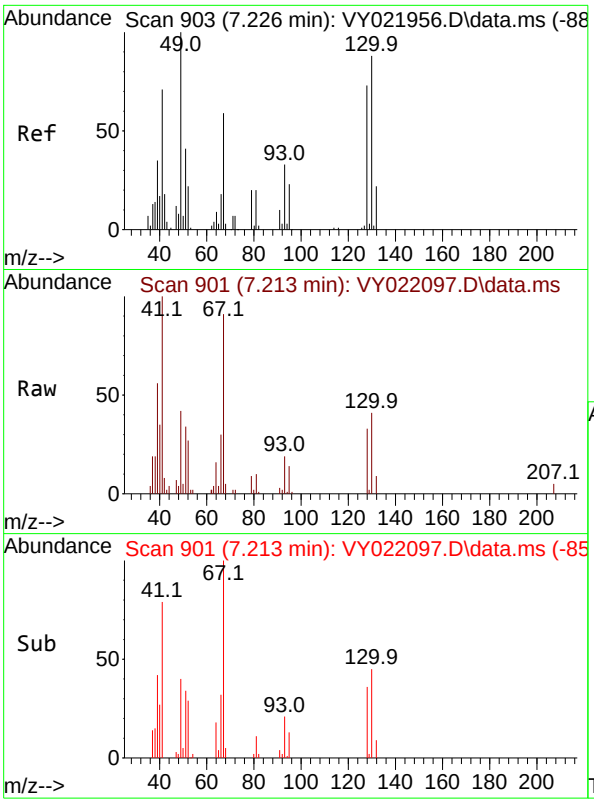


#40
Benzene
Concen: 20.248 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 78 Resp: 254338

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9

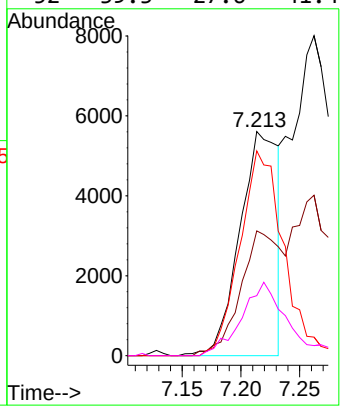




#41
Methacrylonitrile
Concen: 16.090 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 41 Resp: 1269

Ion	Ratio	Lower	Upper
41	100		
39	61.2	36.6	55.0
67	104.3	72.2	108.4
52	39.3	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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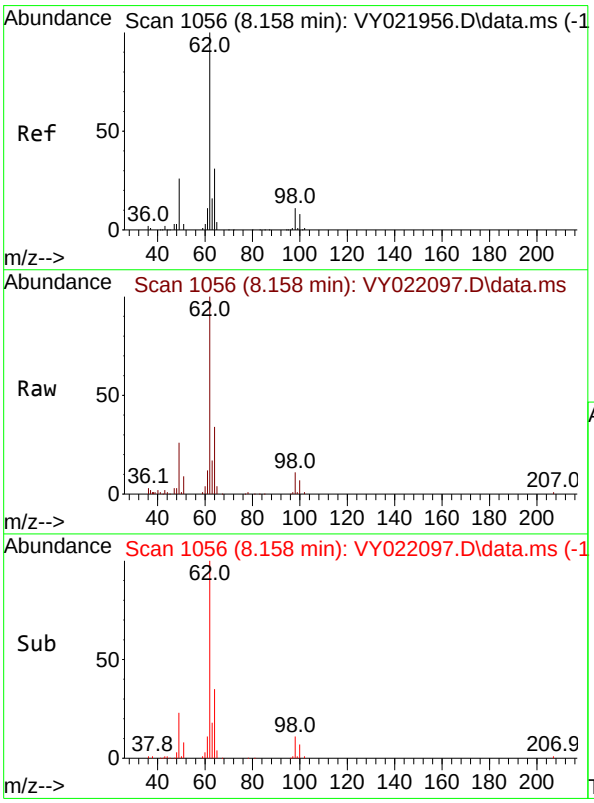
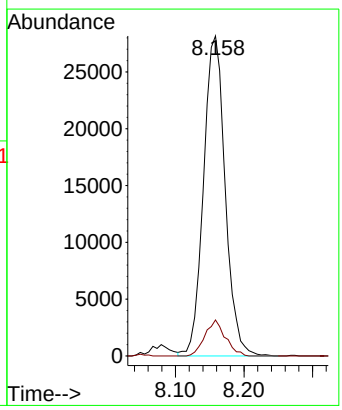
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

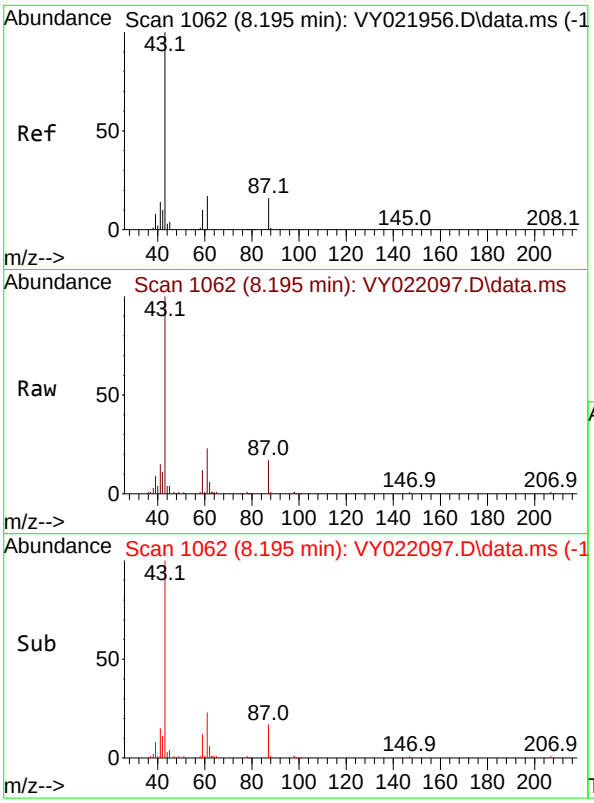


#42
1,2-Dichloroethane
Concen: 19.920 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 62 Resp: 61949

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0





#43
Isopropyl Acetate
Concen: 17.639 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 4888

Ion	Ratio	Lower	Upper
43	100		
61	24.1	18.9	28.3
87	16.7	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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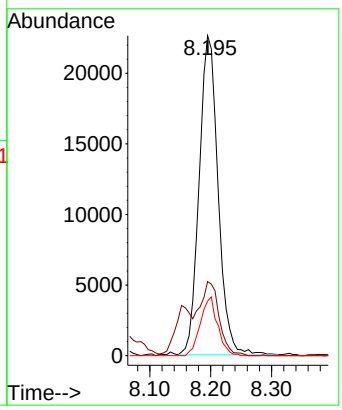
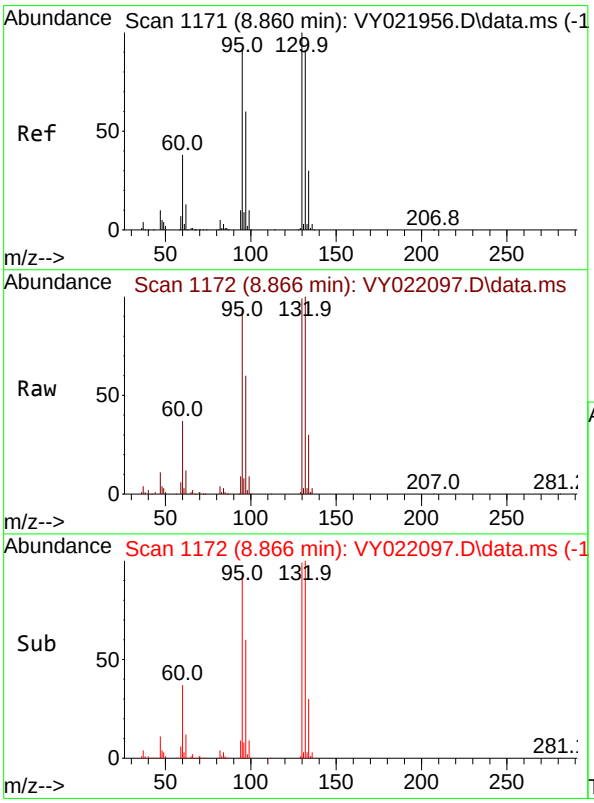
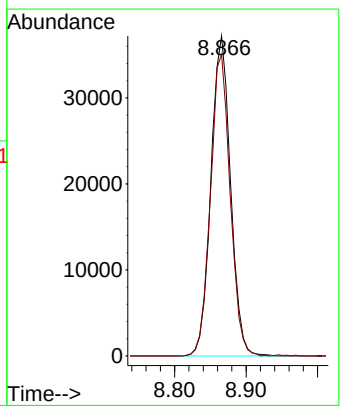


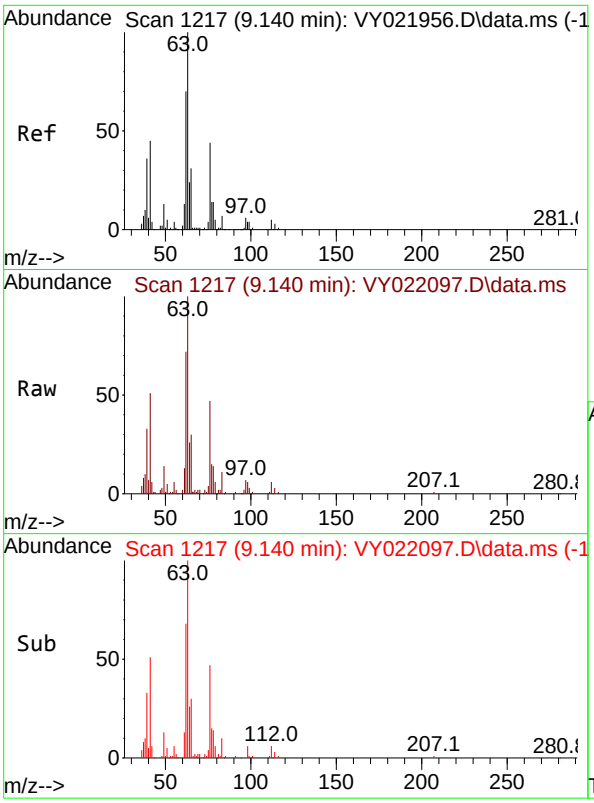


#44
Trichloroethene
Concen: 20.319 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:130 Resp: 70695

Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	183.2





#45
1,2-Dichloropropane
Concen: 20.131 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 63 Resp: 5591

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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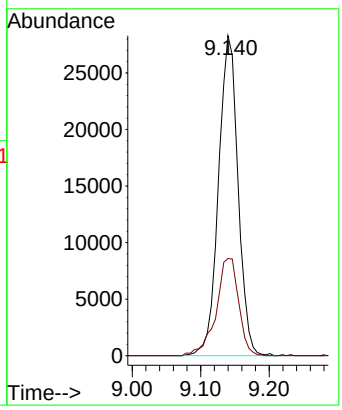
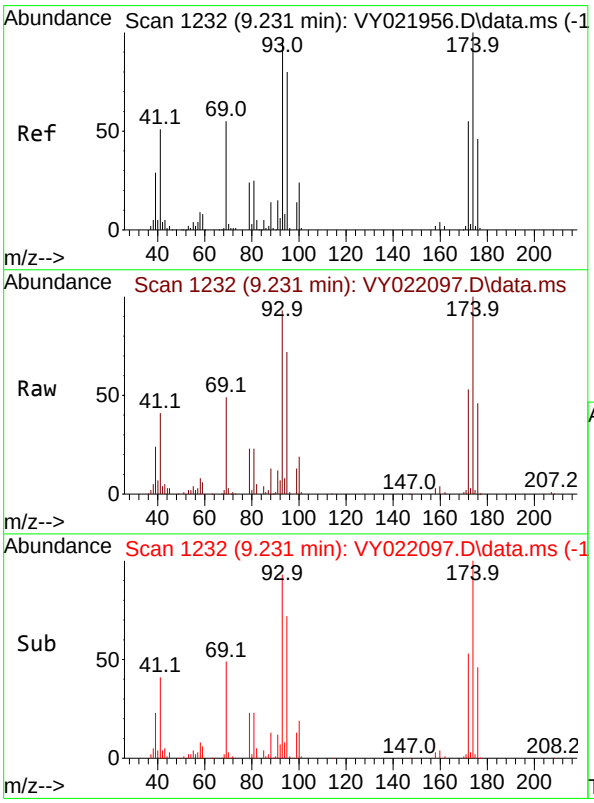
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

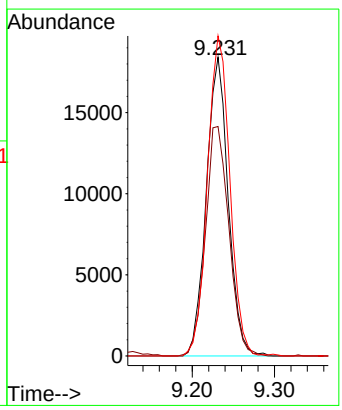


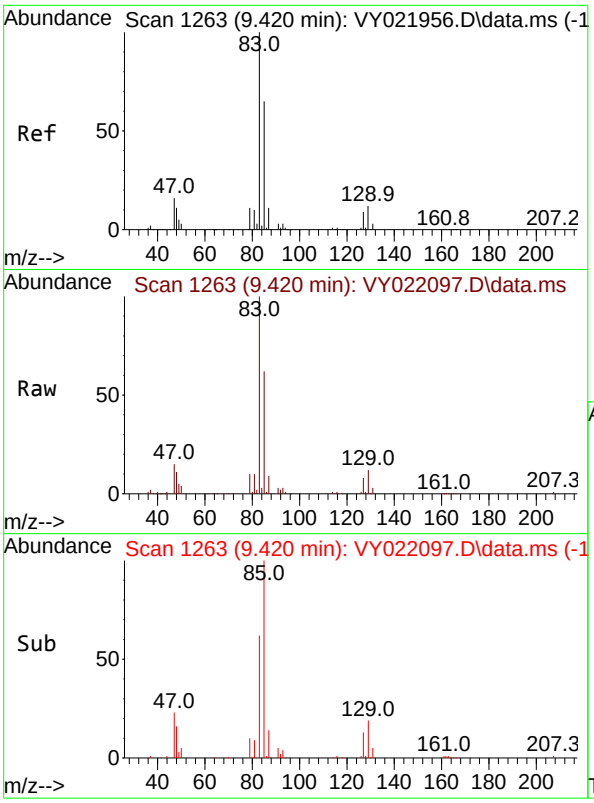


#46
Dibromomethane
Concen: 19.612 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 93 Resp: 34103

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.7	100.1
174	109.5	84.6	127.0

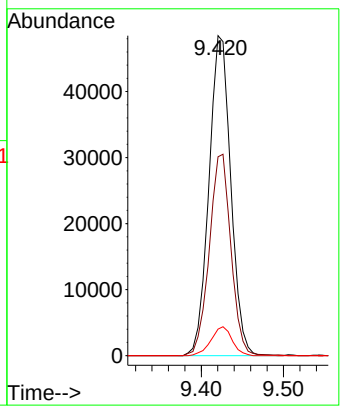




#47
Bromodichloromethane
Concen: 20.570 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 83 Resp: 8935

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.8
127	8.3	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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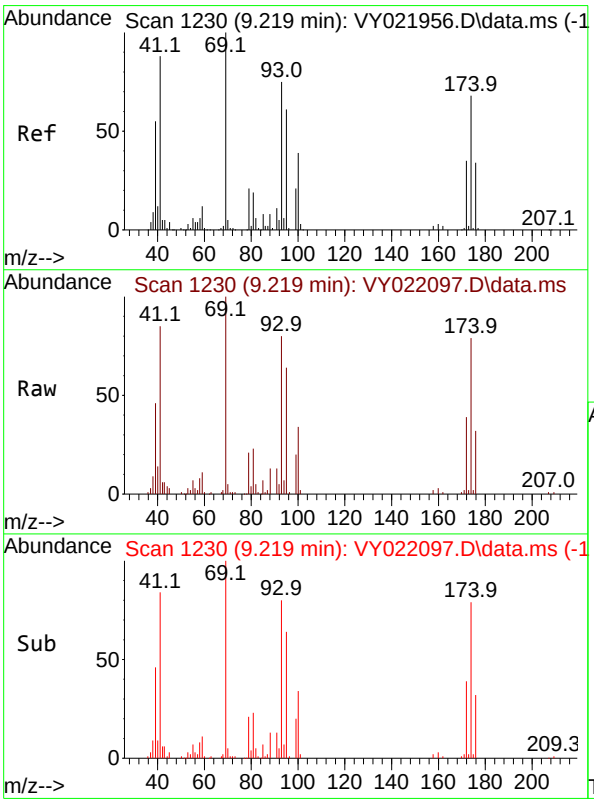
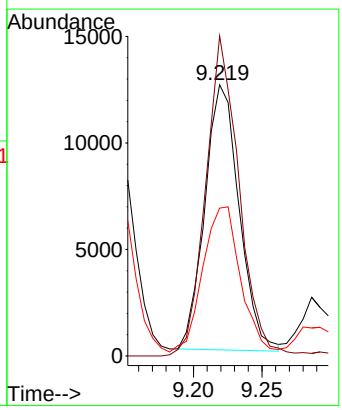
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

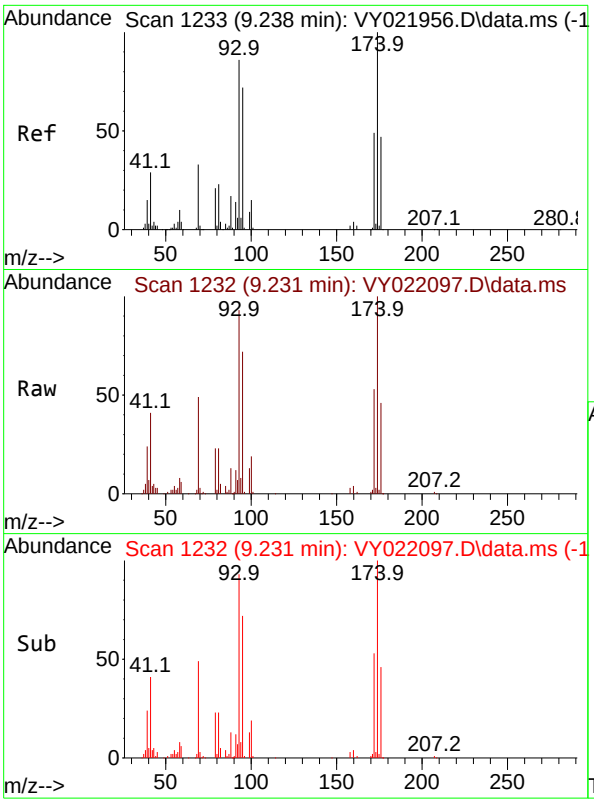


#48
Methyl methacrylate
Concen: 16.948 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 41 Resp: 21714

Ion	Ratio	Lower	Upper
41	100		
69	117.0	85.5	128.3
39	59.7	46.2	69.4





#49
1,4-Dioxane
Concen: 372.078 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 88 Resp: 689

Ion	Ratio	Lower	Upper
88	100		
43	30.2	21.3	31.9
58	59.6	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/05/2025
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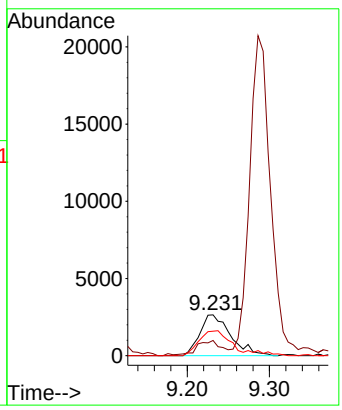
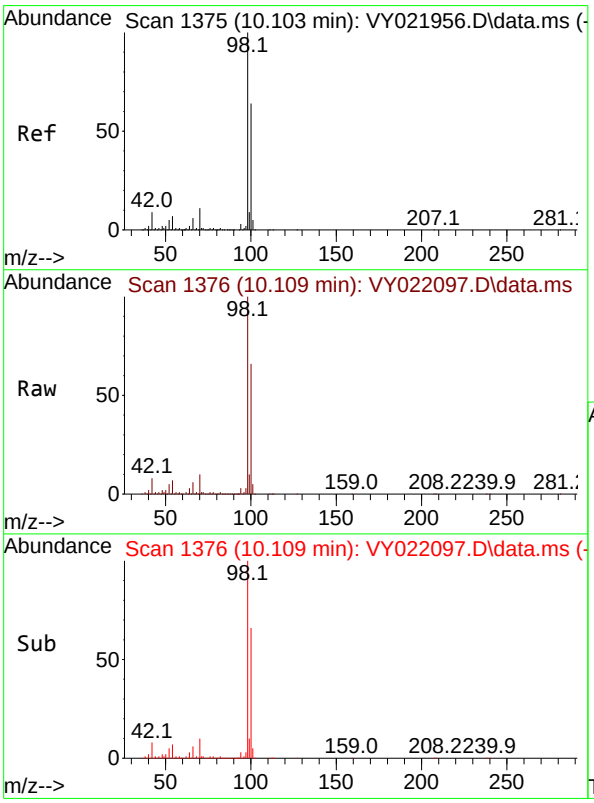
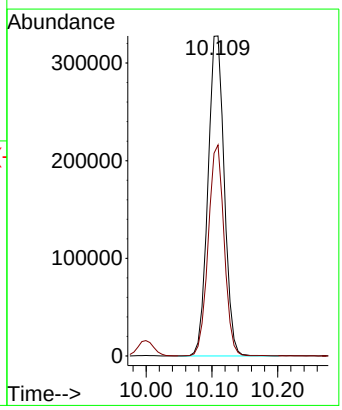


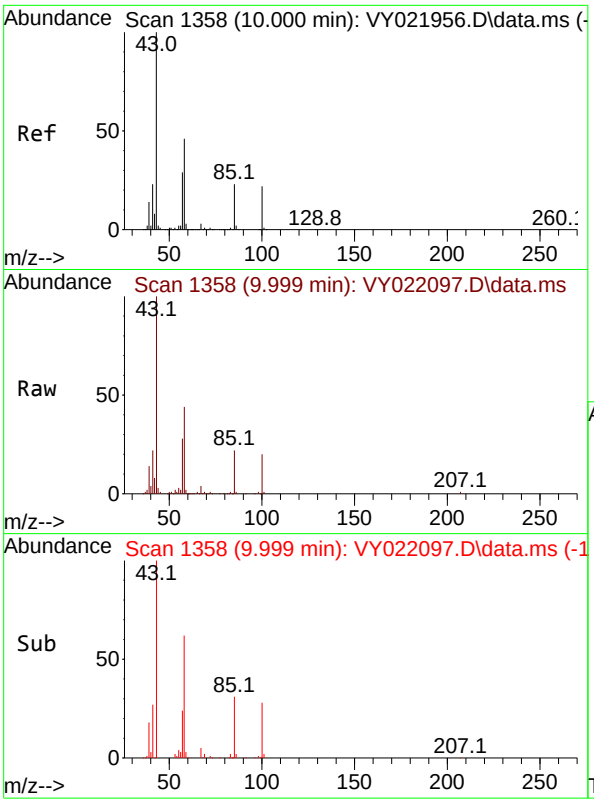


#50
Toluene-d8
Concen: 50.076 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 98 Resp: 564747

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4

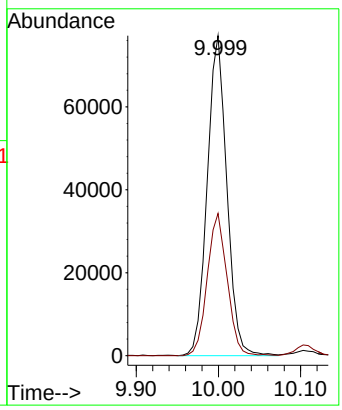




#51
4-Methyl-2-Pentanone
Concen: 88.084 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 12797

Ion	Ratio	Lower	Upper
43	100		
58	45.0	36.6	55.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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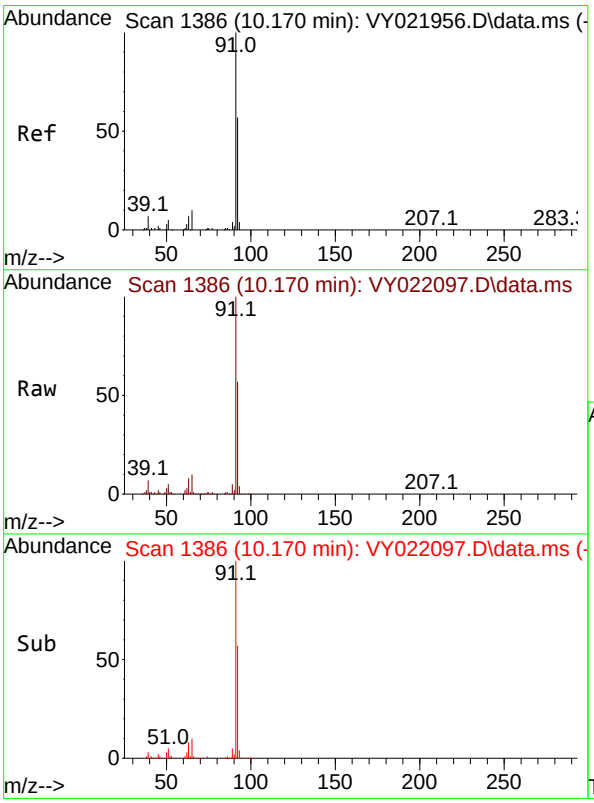
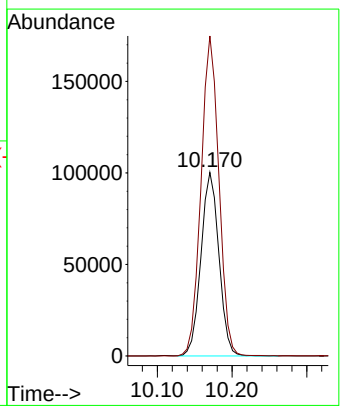
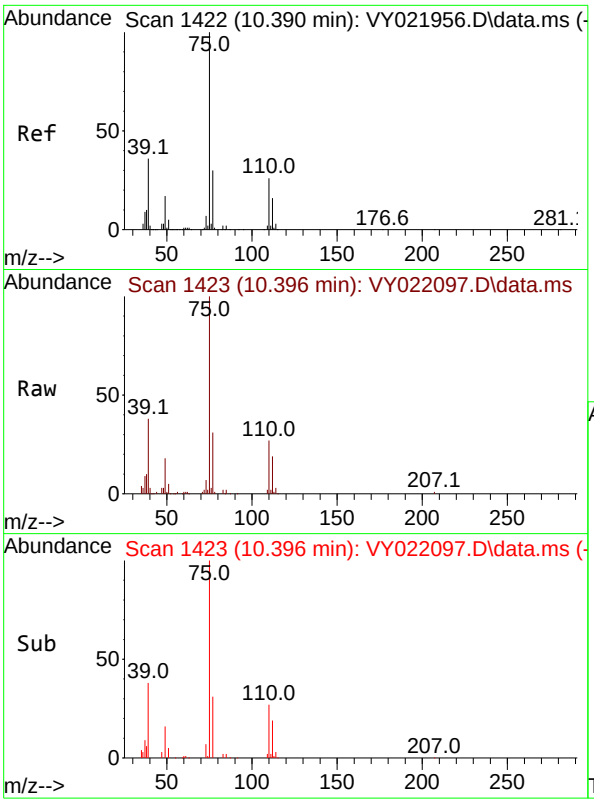


#52
Toluene
Concen: 20.562 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 92 Resp: 167187

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 18.912 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 7046

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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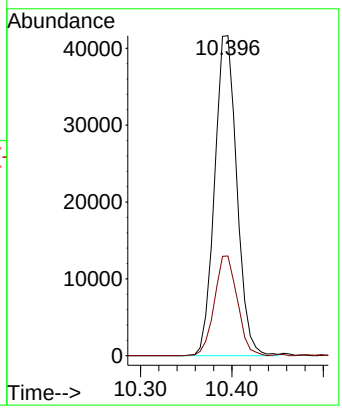
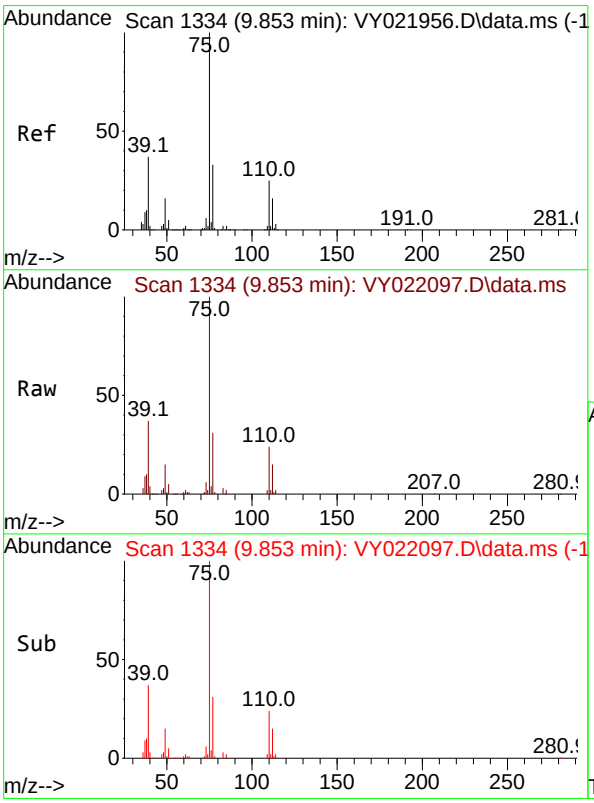
Supervised By :Mahesh Dadoda 05/05/2025

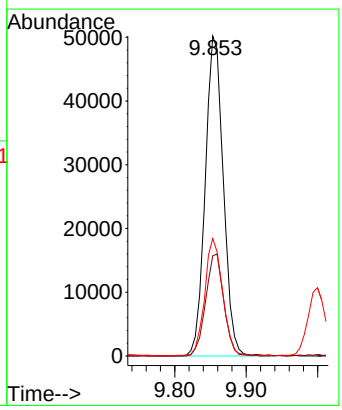


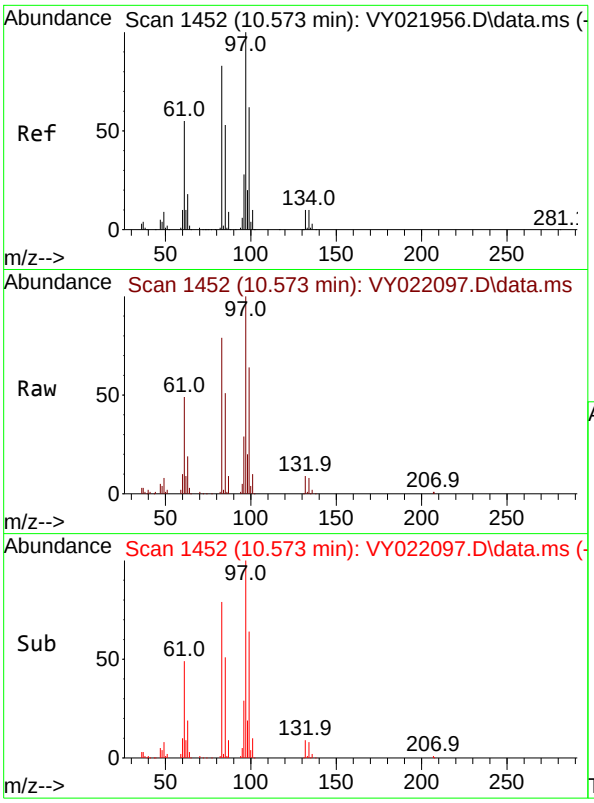


#54
cis-1,3-Dichloropropene
Concen: 19.912 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 88193

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.6	40.0
39	36.5	29.6	44.4

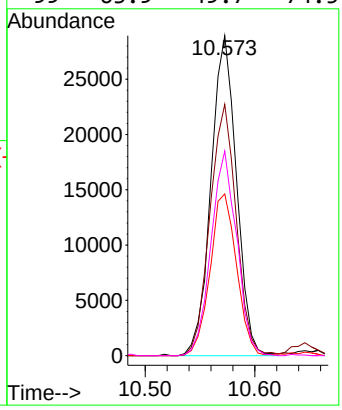




#55
1,1,2-Trichloroethane
Concen: 20.150 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 97 Resp: 4680

Ion	Ratio	Lower	Upper
97	100		
83	78.5	66.7	100.1
85	50.5	42.6	64.0
99	63.9	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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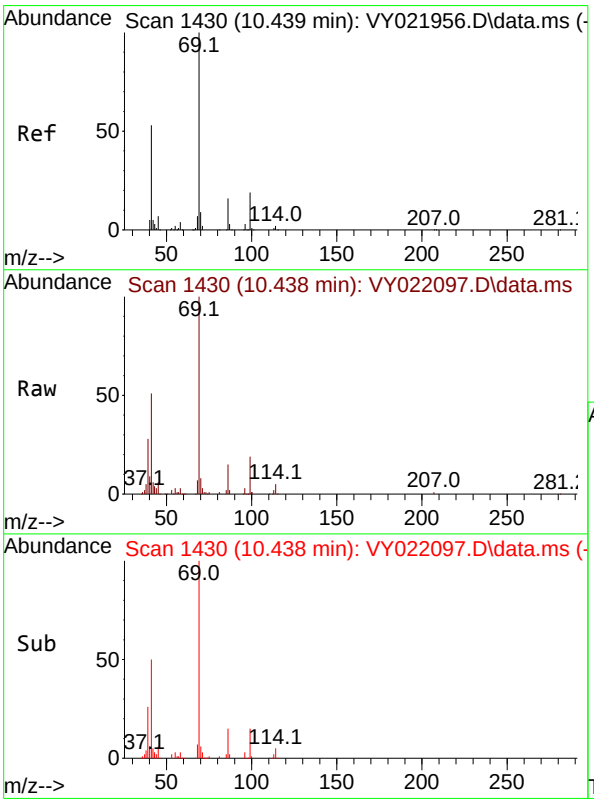
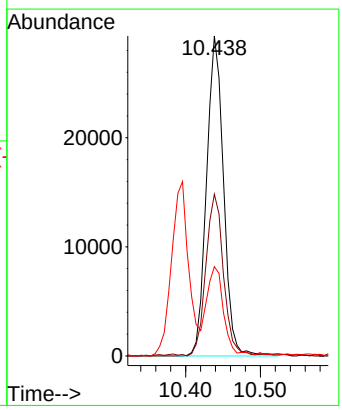
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

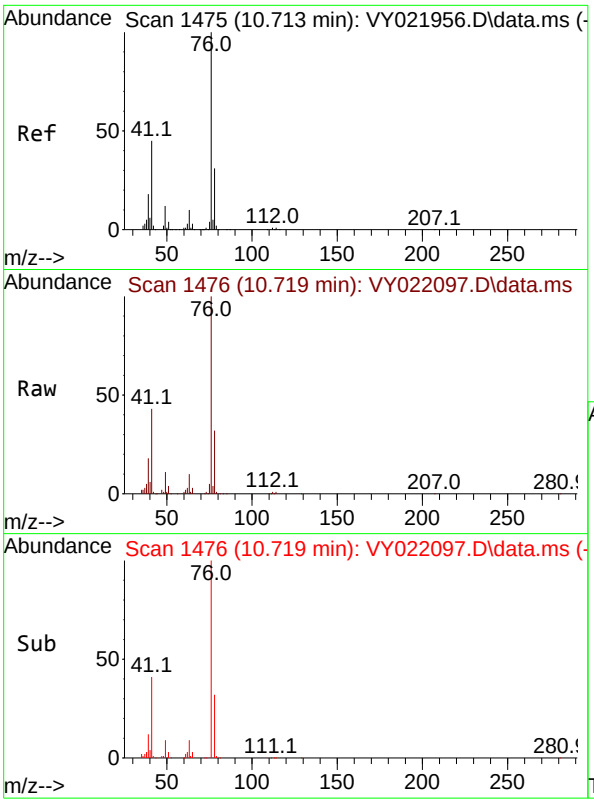


#56
Ethyl methacrylate
Concen: 17.476 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 69 Resp: 46419

Ion	Ratio	Lower	Upper
69	100		
41	52.4	40.7	61.1
39	26.8	23.3	34.9





#57
1,3-Dichloropropane
Concen: 19.697 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 76 Resp: 7334

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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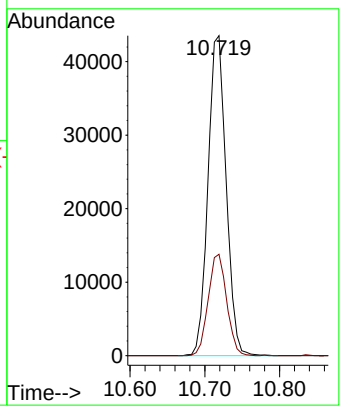
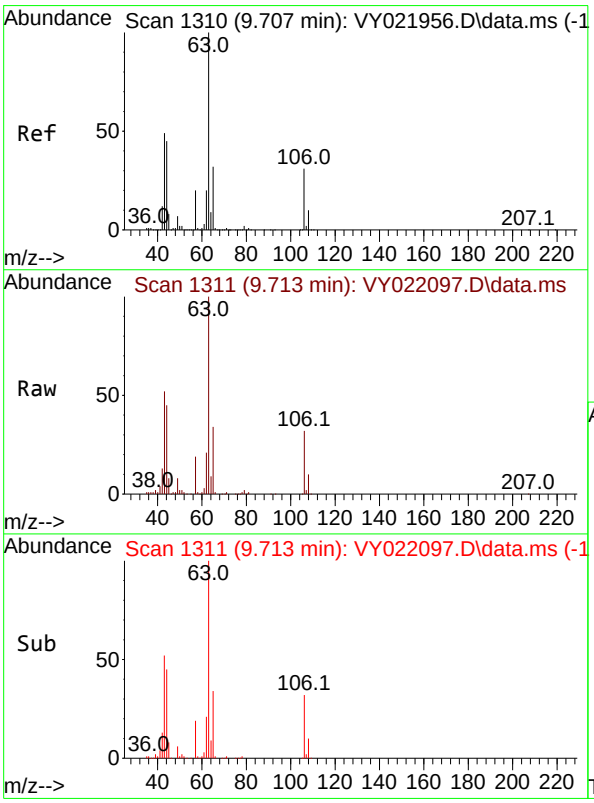
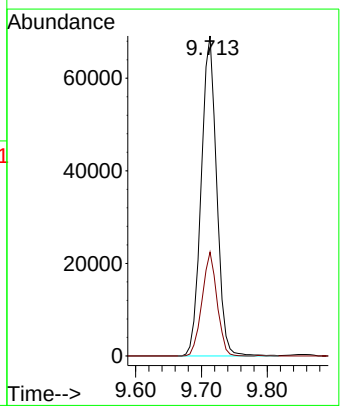


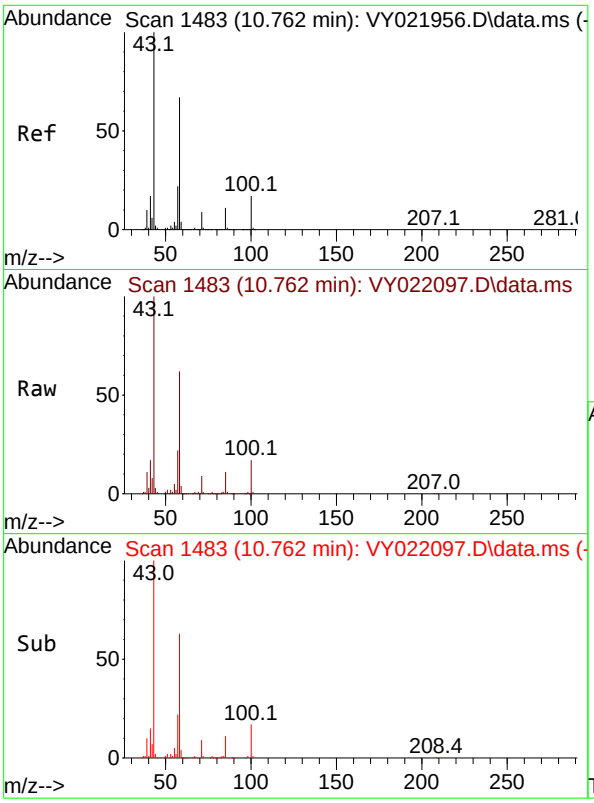


#58
2-Chloroethyl Vinyl ether
Concen: 86.715 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 63 Resp: 112618

Ion	Ratio	Lower	Upper
63	100		
106	31.4	25.3	37.9





#59
2-Hexanone
Concen: 84.678 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 8114(

Ion	Ratio	Lower	Upper
43	100		
58	62.4	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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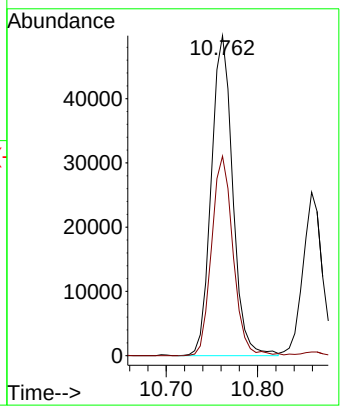
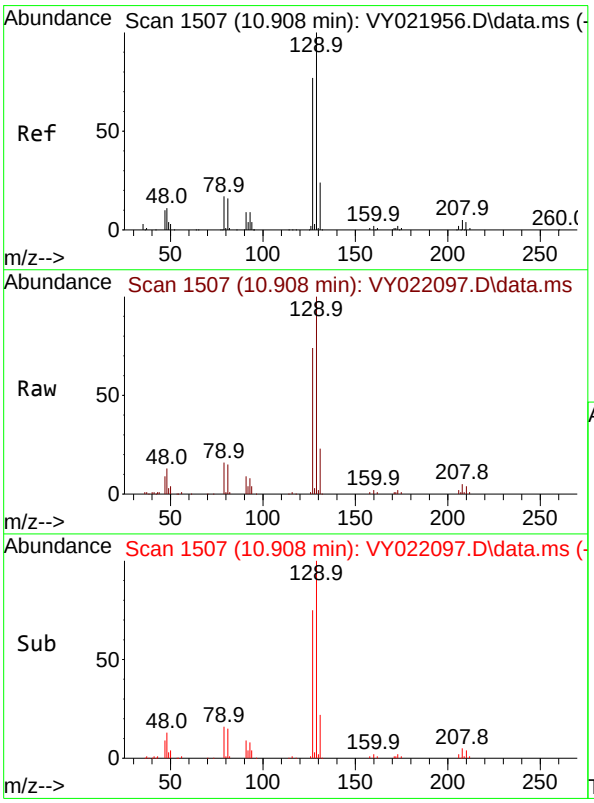
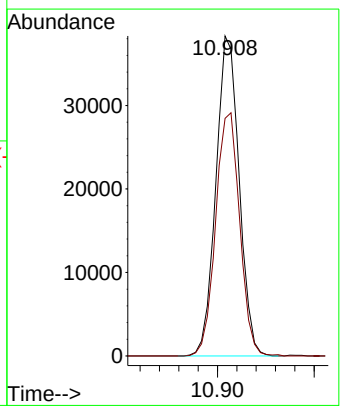


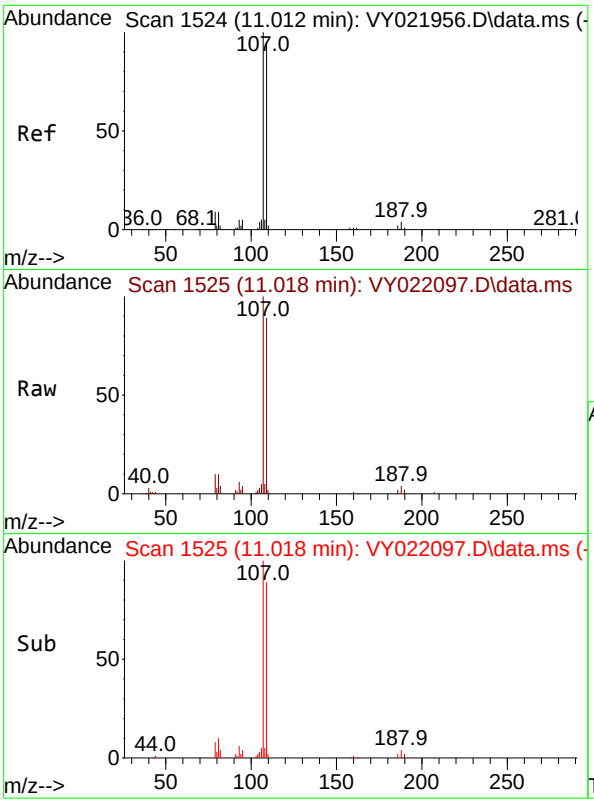


#60
Dibromochloromethane
Concen: 19.827 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:129 Resp: 63759

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.5	115.3





#61
1,2-Dibromoethane
Concen: 19.884 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:107 Resp: 4360

Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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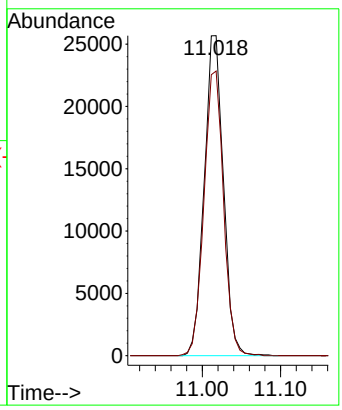
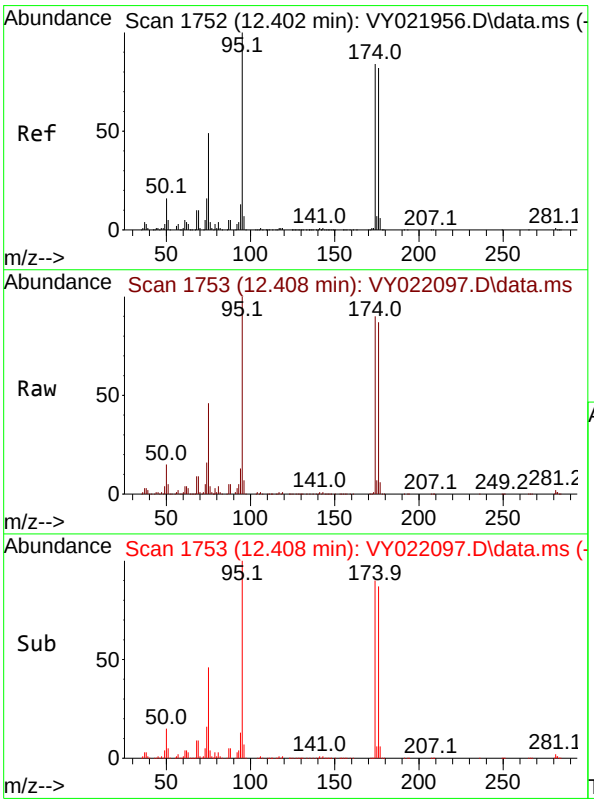
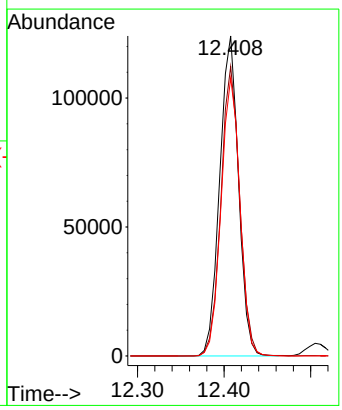


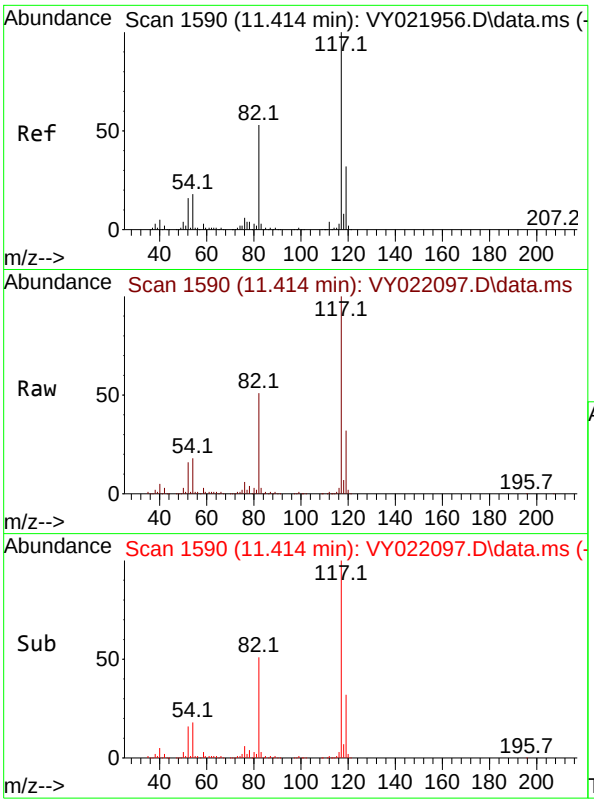


#62
4-Bromofluorobenzene
Concen: 49.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 95 Resp: 187006

Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	179.0
176	87.2	0.0	171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:117 Resp: 41423

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.1	63.1
119	32.0	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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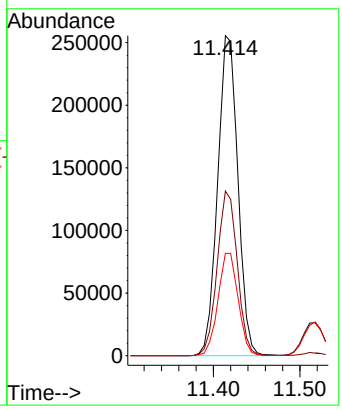
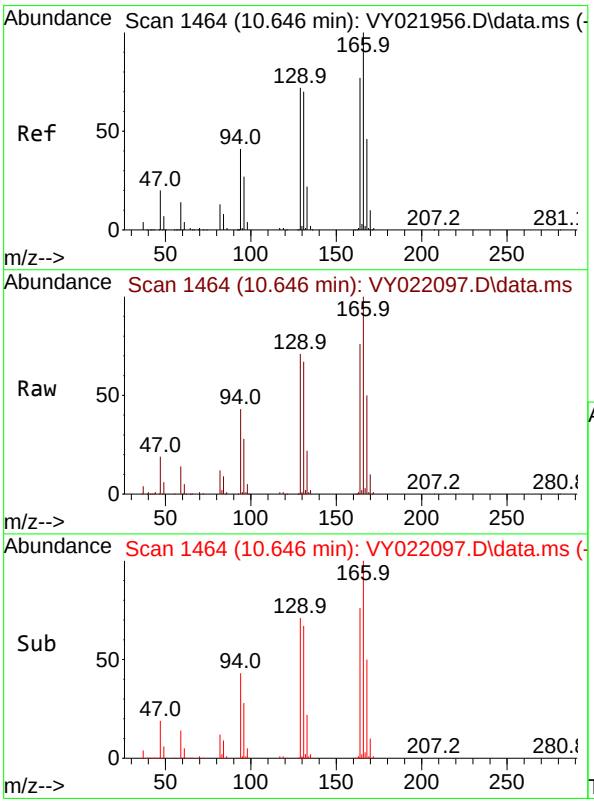
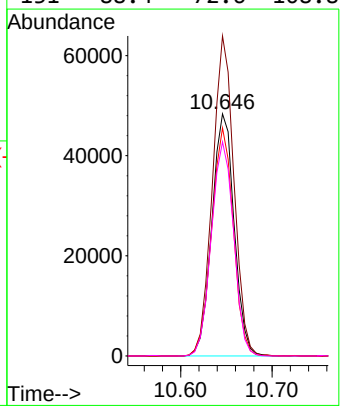


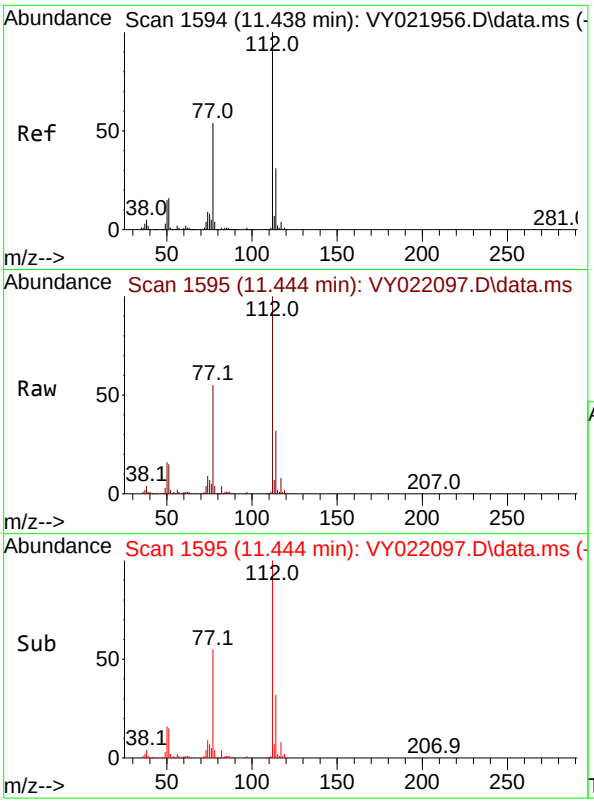


#64
Tetrachloroethene
Concen: 20.925 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:164 Resp: 81769

Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.6	155.4
129	94.2	74.2	111.4
131	88.4	72.6	108.8

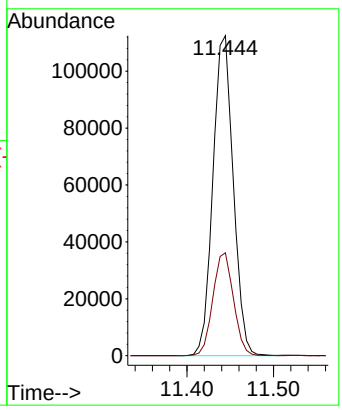




#65
Chlorobenzene
Concen: 19.830 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:112 Resp: 18368

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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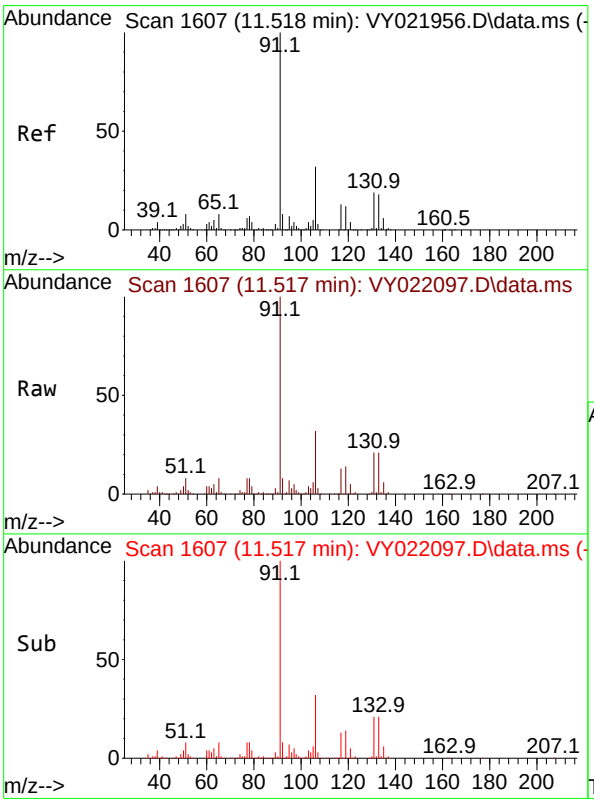
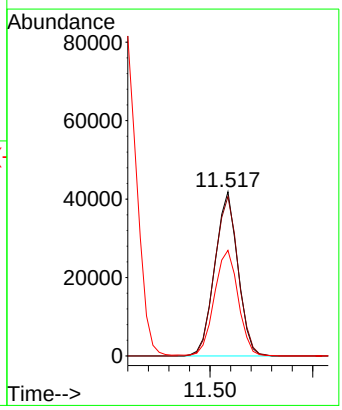
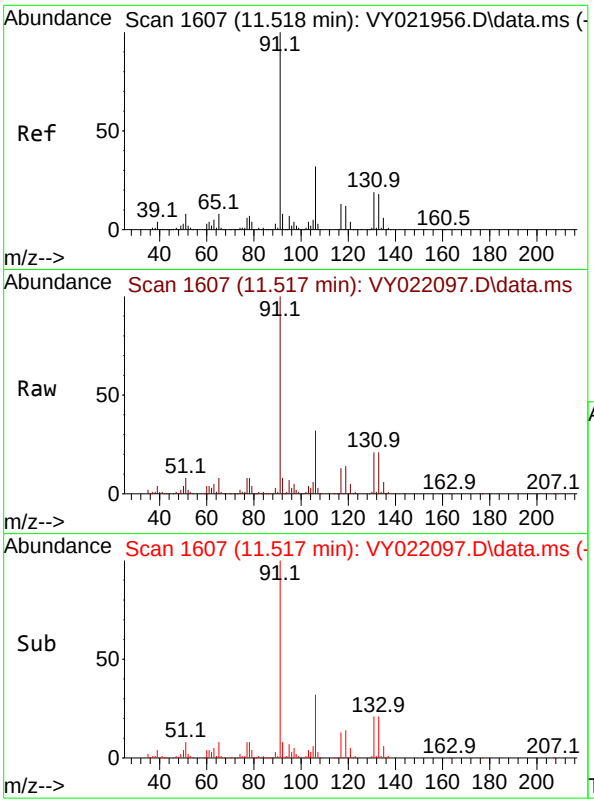


#66
1,1,1,2-Tetrachloroethane
Concen: 19.952 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:131 Resp: 65069

Ion	Ratio	Lower	Upper
131	100		
133	99.4	47.8	143.3
119	66.7	32.4	97.0

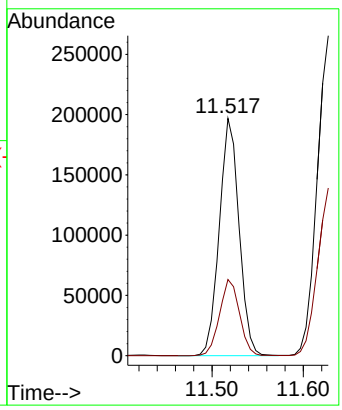




#67
Ethyl Benzene
Concen: 19.525 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 91 Resp: 29586

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.9	38.9



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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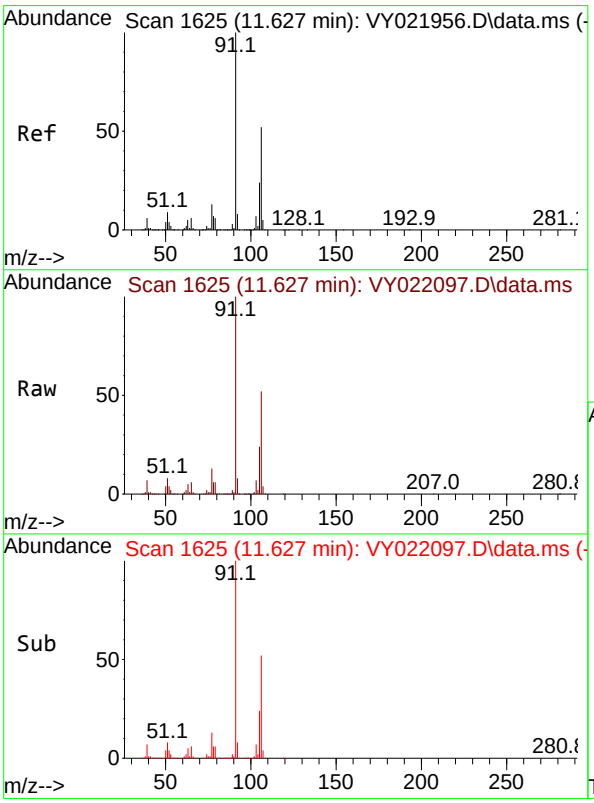
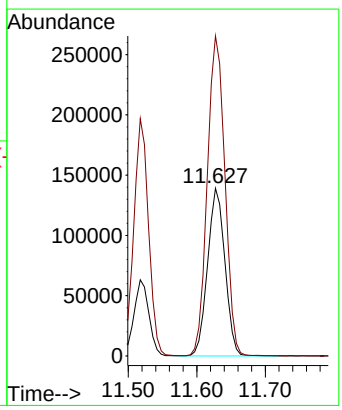
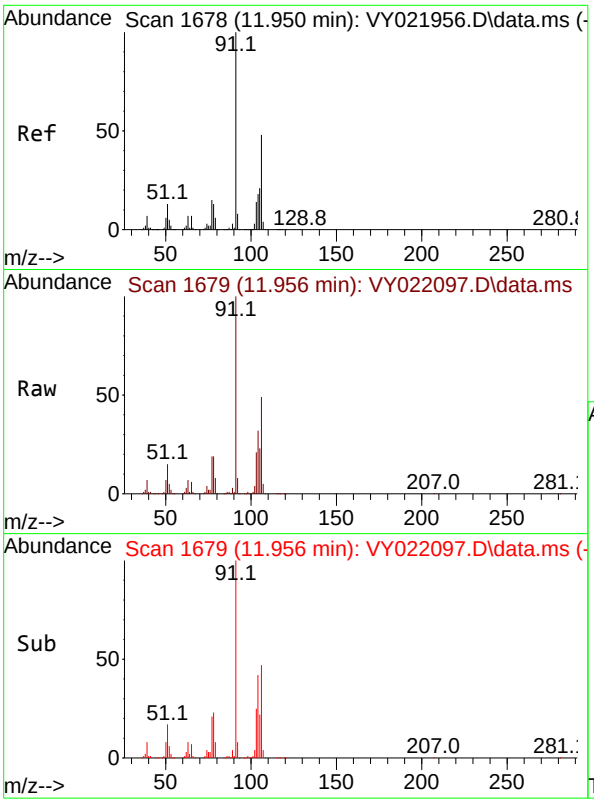


#68
m/p-Xylenes
Concen: 40.518 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:106 Resp: 244316

Ion	Ratio	Lower	Upper
106	100		
91	193.6	156.2	234.2





#69
o-Xylene
Concen: 19.629 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:106 Resp: 10909

Ion	Ratio	Lower	Upper
106	100		
91	204.4	103.0	308.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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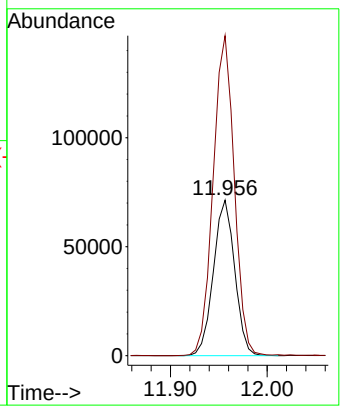
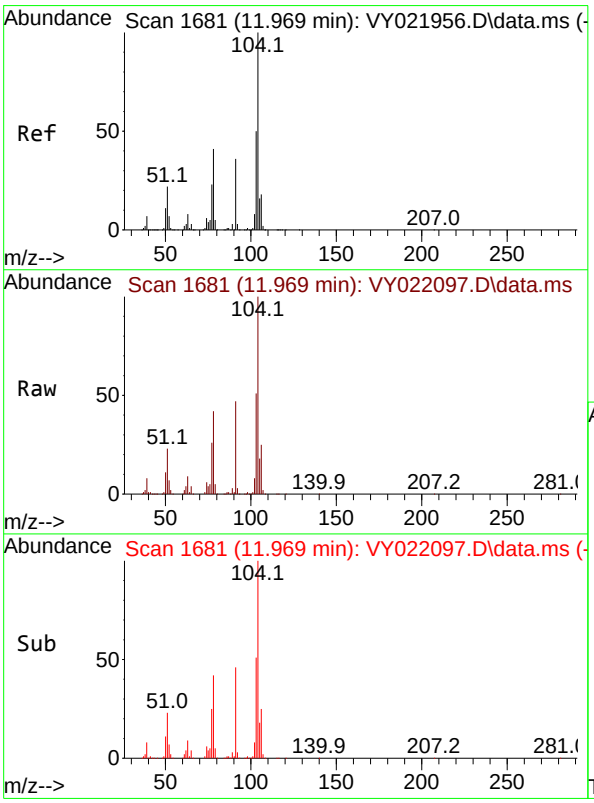
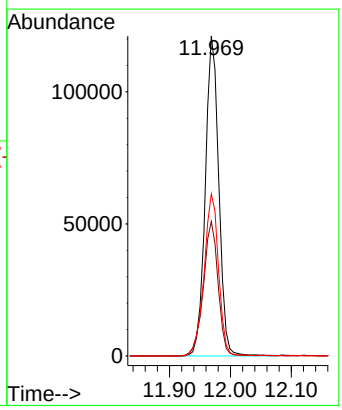


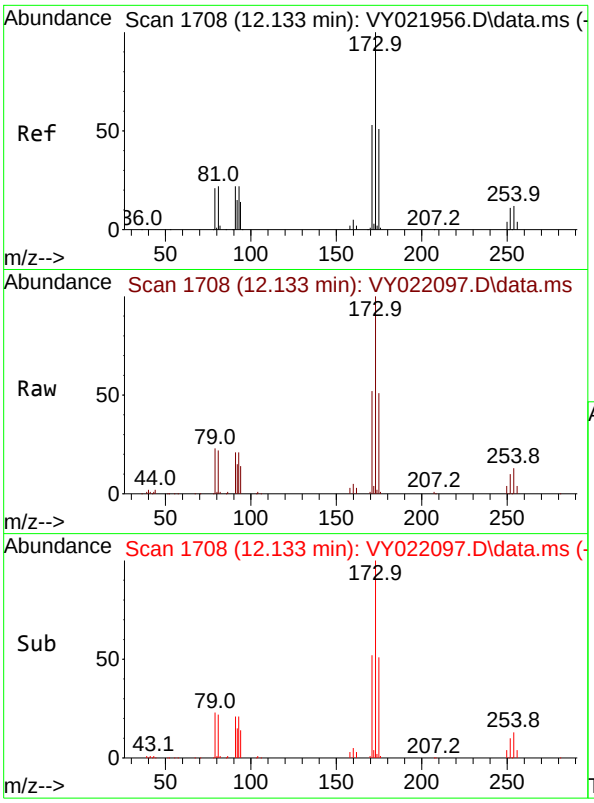


#70
Styrene
Concen: 20.081 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:104 Resp: 187388

Ion	Ratio	Lower	Upper
104	100		
78	45.7	36.6	54.8
103	54.0	43.8	65.8

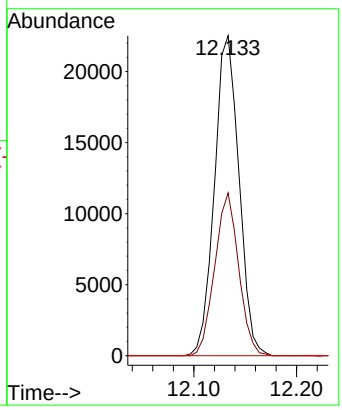




#71
Bromoform
Concen: 19.615 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:173 Resp: 3719

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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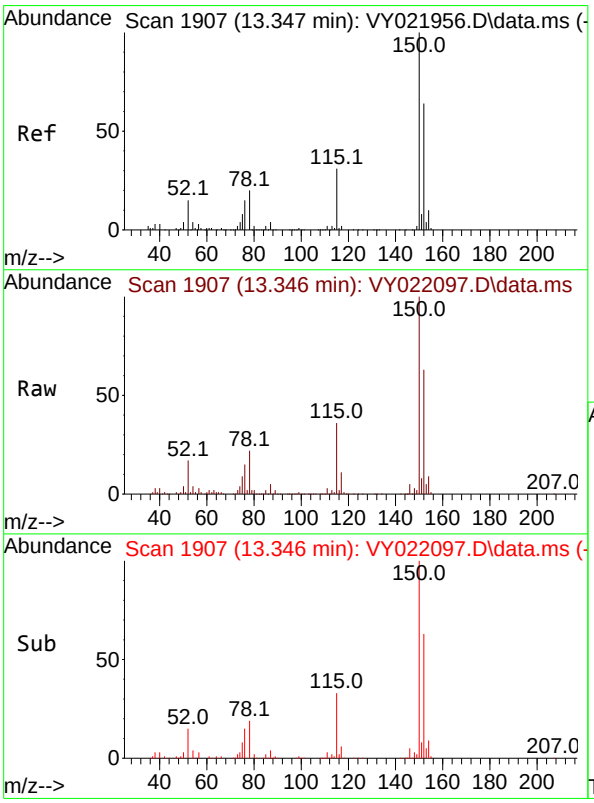
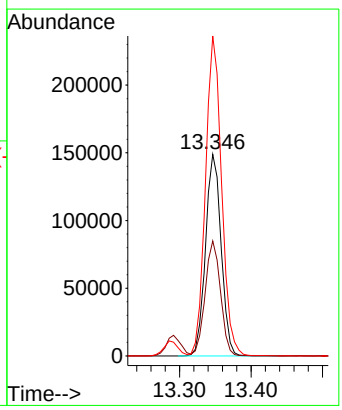
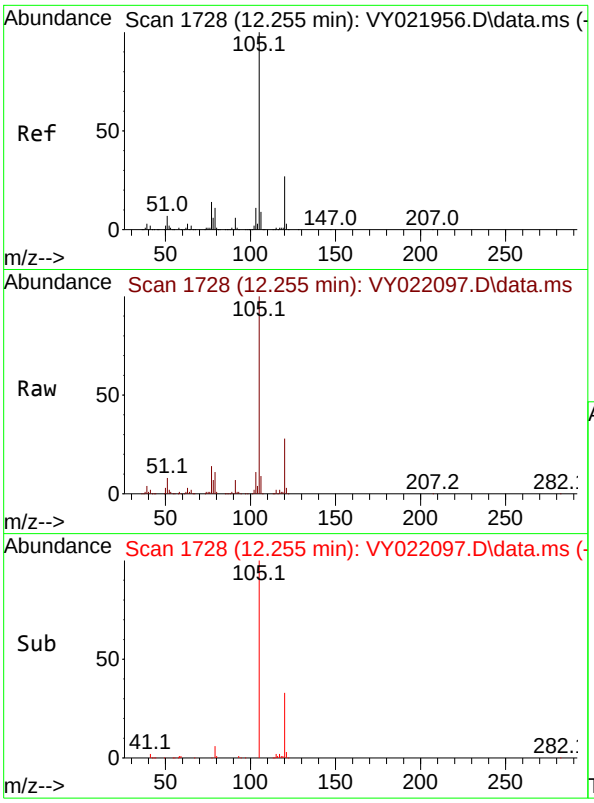


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:152 Resp: 225406

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	164.1	0.0	345.6

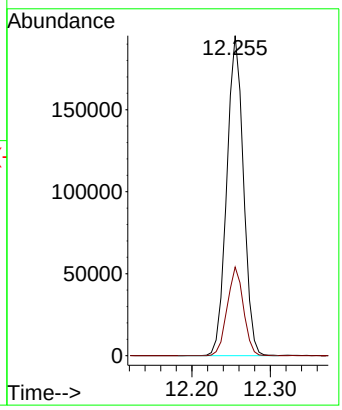




#73
Isopropylbenzene
Concen: 19.173 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:105 Resp: 28874

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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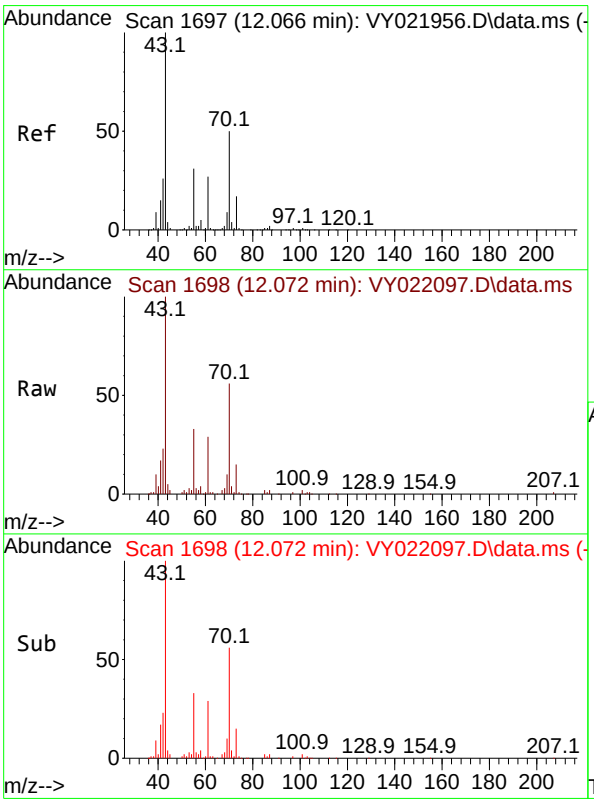
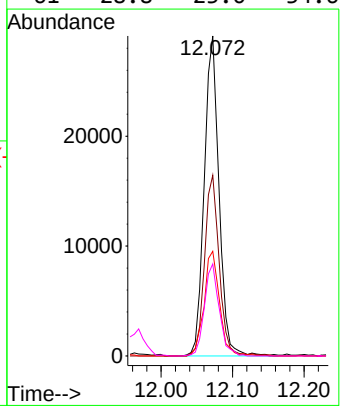
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

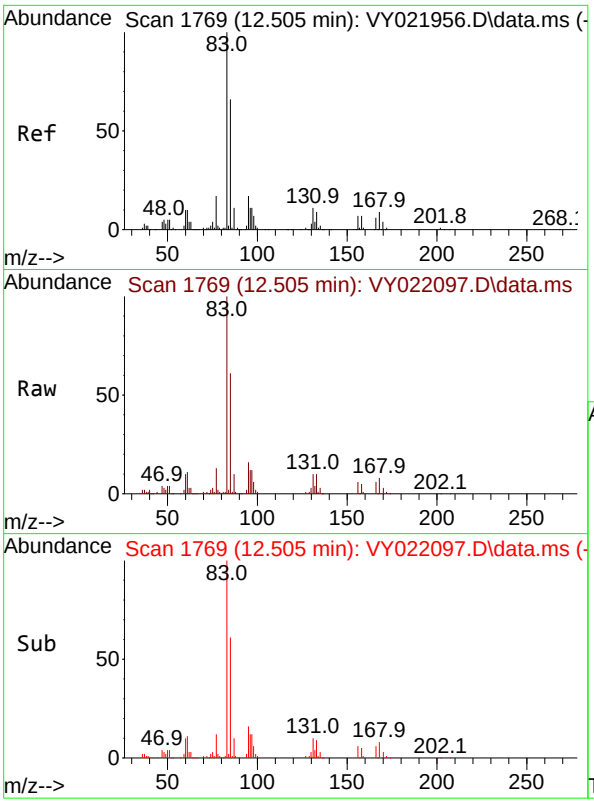


#74
N-amyl acetate
Concen: 16.178 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 41858

Ion	Ratio	Lower	Upper
43	100		
70	55.9	43.2	64.8
55	34.5	25.7	38.5
61	28.8	23.0	34.6

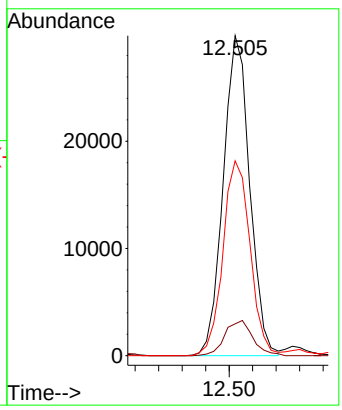




#75
1,1,2,2-Tetrachloroethane
Concen: 18.407 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 83 Resp: 4673

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	62.4	32.3	96.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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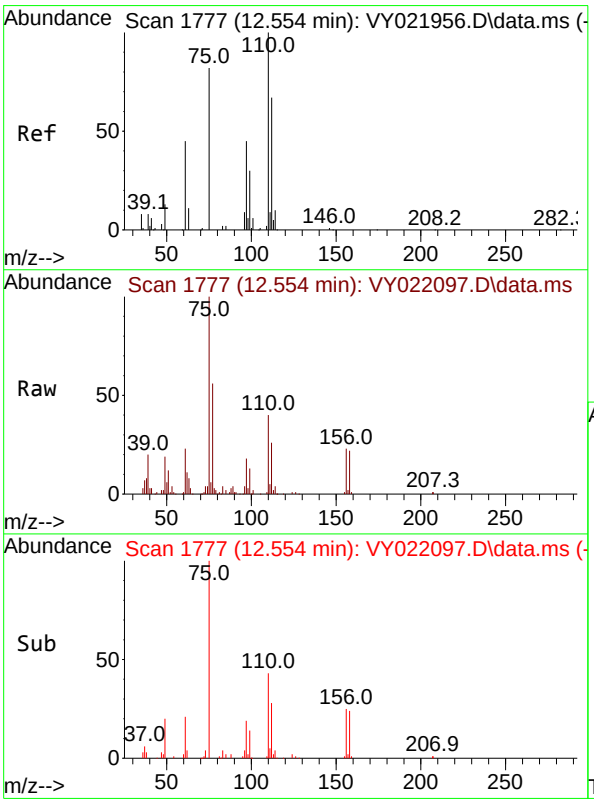
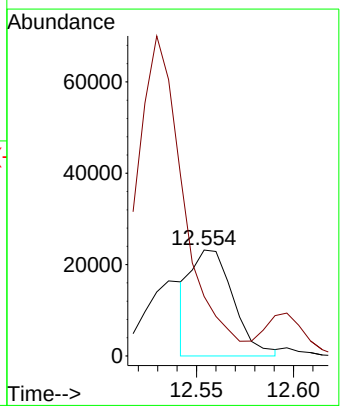
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

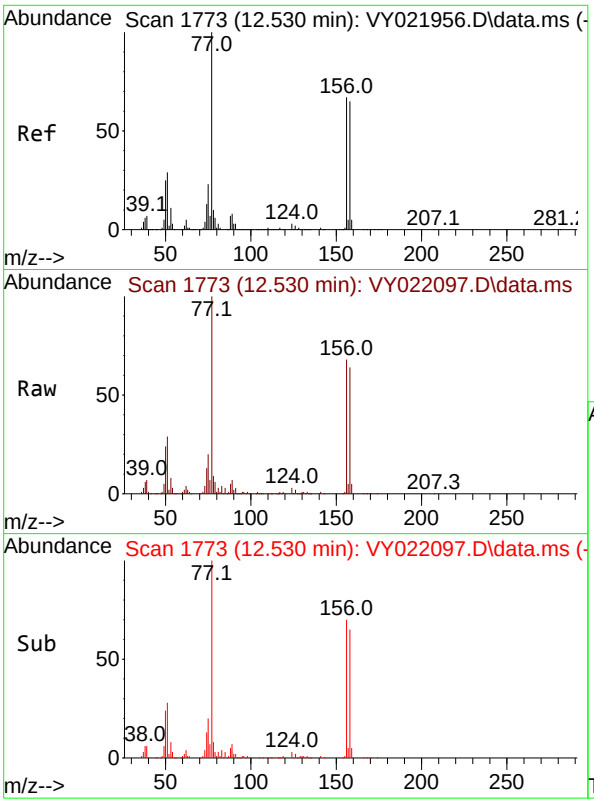


#76
1,2,3-Trichloropropane
Concen: 18.186 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 35111

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

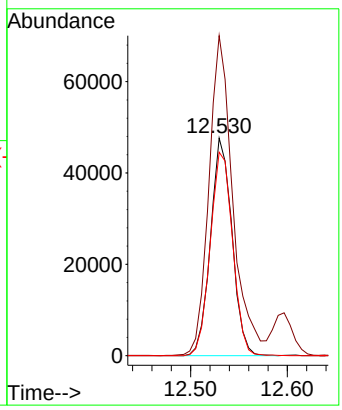




#77
Bromobenzene
Concen: 19.326 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:156 Resp: 7354

Ion	Ratio	Lower	Upper
156	100		
77	162.7	82.7	248.1
158	97.4	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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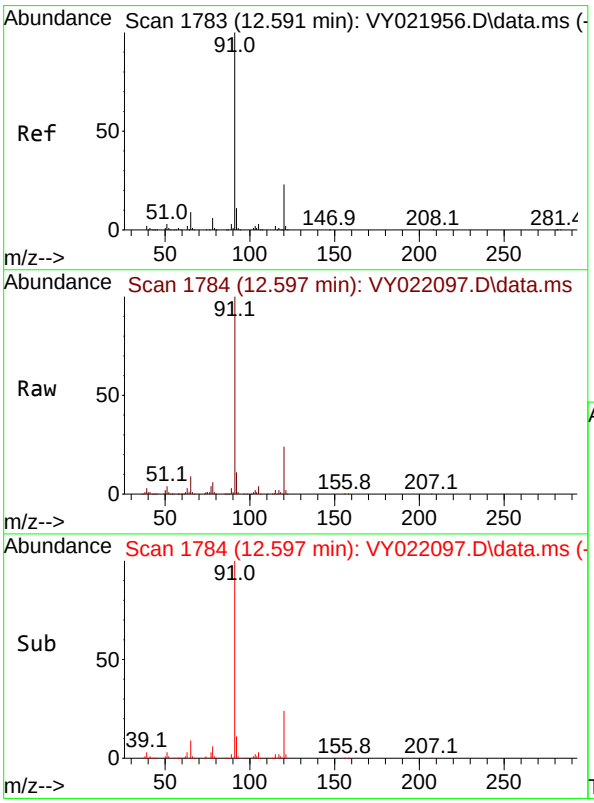
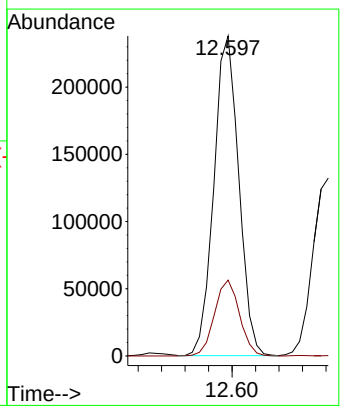
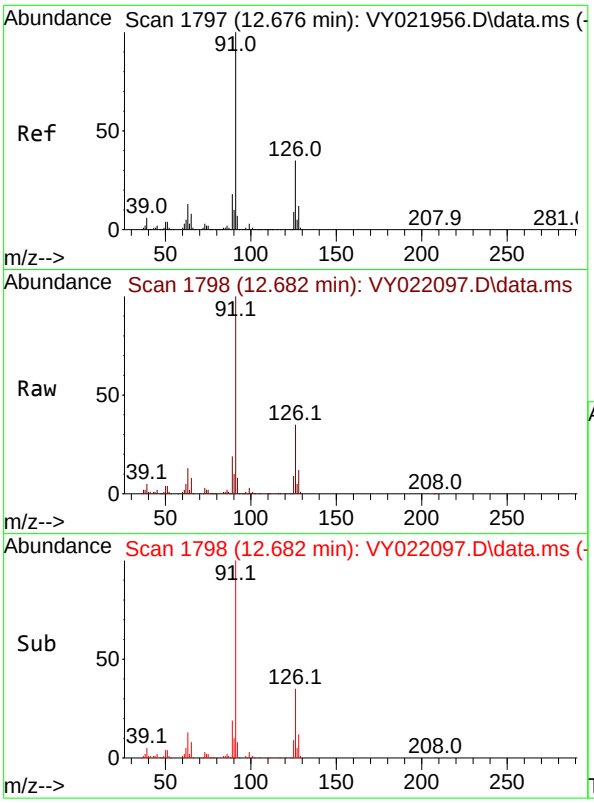


#78
n-propylbenzene
Concen: 19.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 91 Resp: 349898

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5

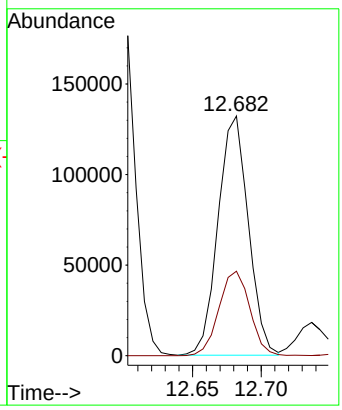




#79
2-Chlorotoluene
Concen: 19.494 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 91 Resp: 20332

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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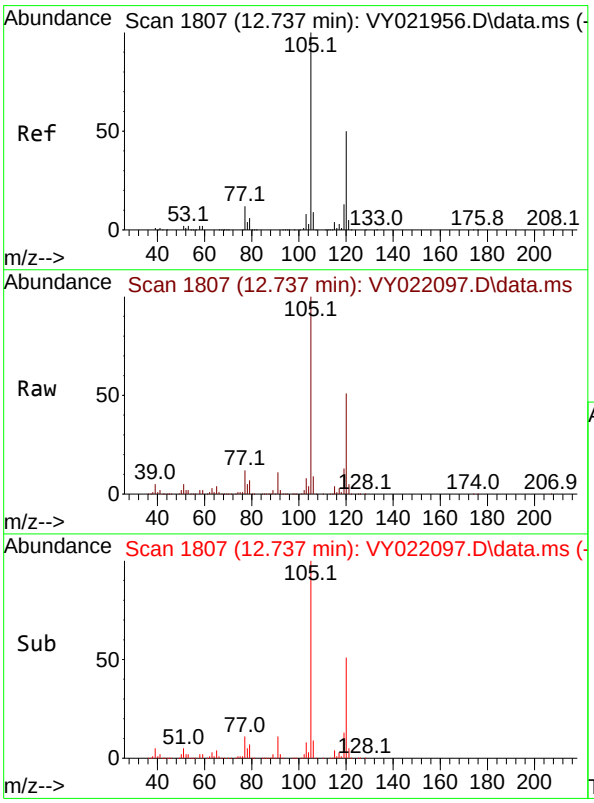
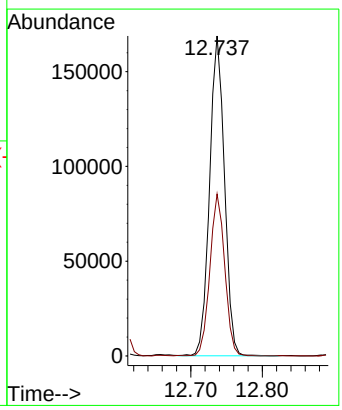
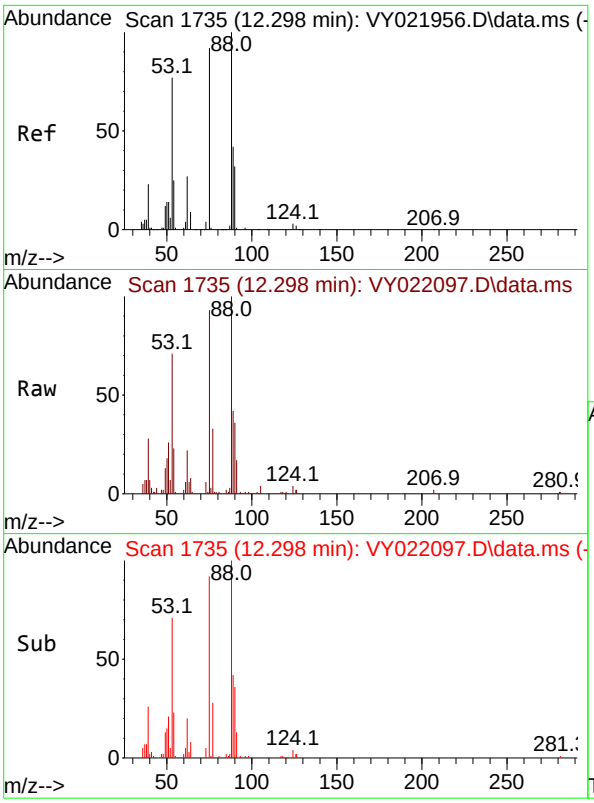


#80
1,3,5-Trimethylbenzene
Concen: 19.627 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:105 Resp: 243534

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 17.090 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 75 Resp: 1370

Ion	Ratio	Lower	Upper
75	100		
53	84.6	66.0	99.0
89	51.1	37.2	55.8

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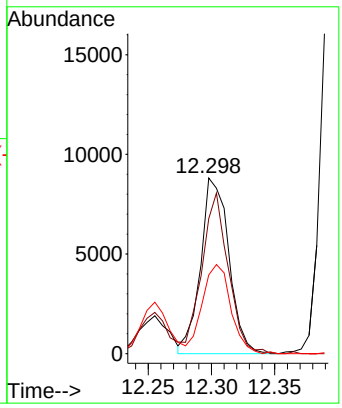
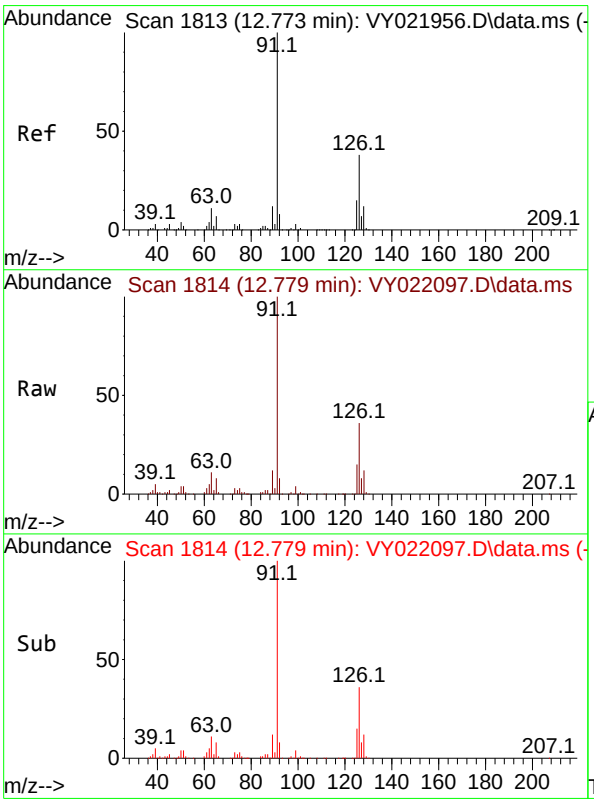
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

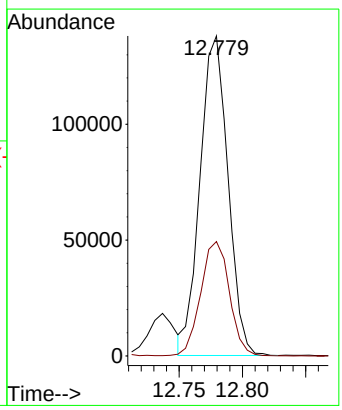


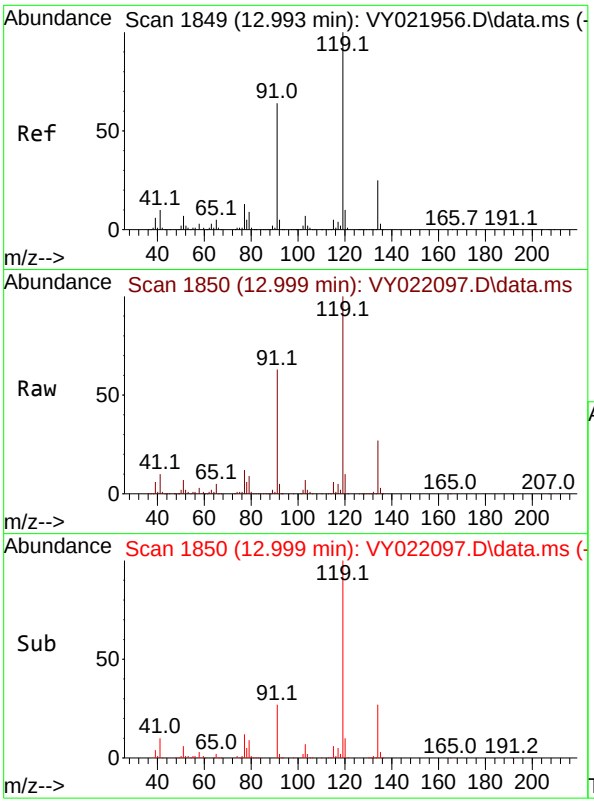


#82
4-Chlorotoluene
Concen: 19.539 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 91 Resp: 211849

Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.9	53.8





#83
tert-Butylbenzene
Concen: 19.015 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:119 Resp: 21160

Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.3	90.9
134	26.4	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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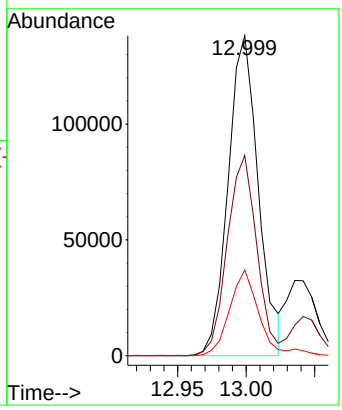
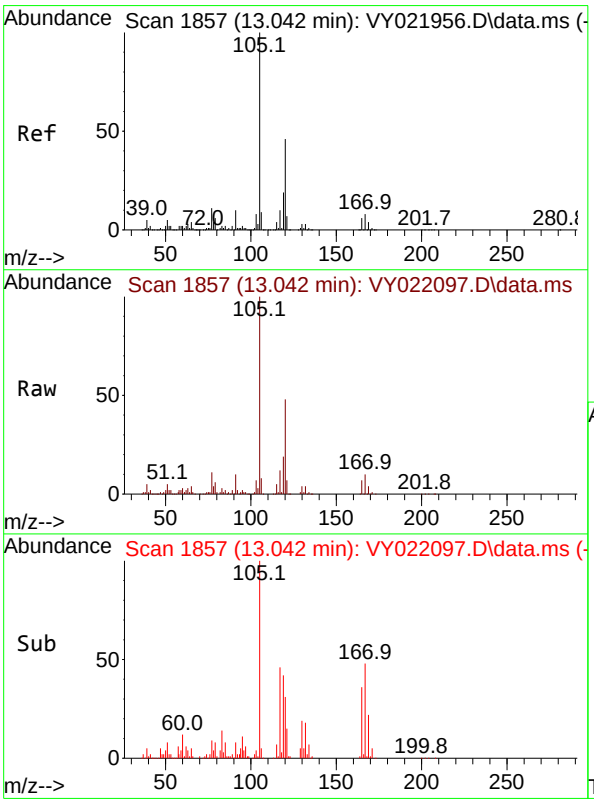
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

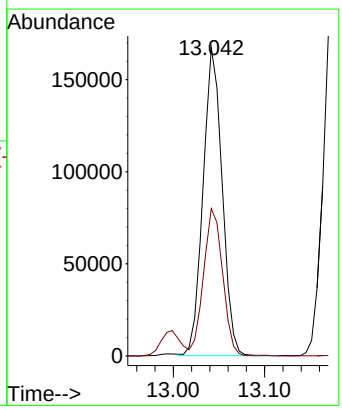


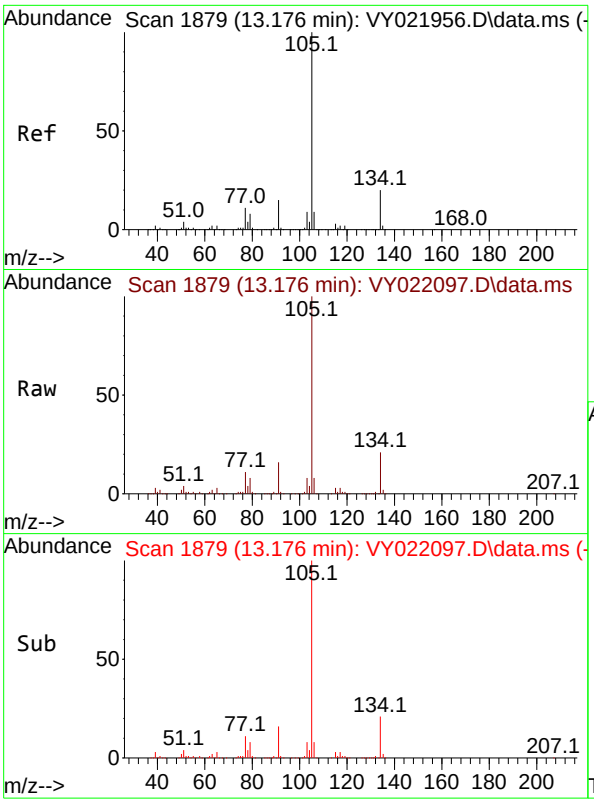


#84
1,2,4-Trimethylbenzene
Concen: 19.542 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:105 Resp: 242538

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.4	70.0





#85
sec-Butylbenzene
Concen: 19.438 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:105 Resp: 31652

Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

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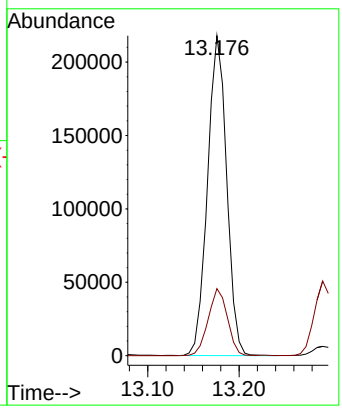
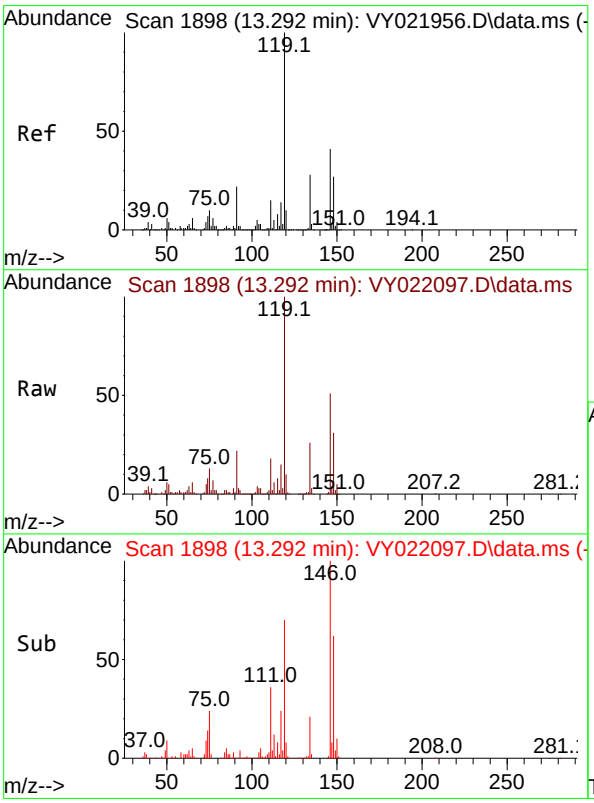
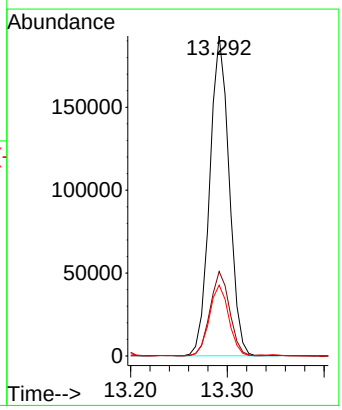


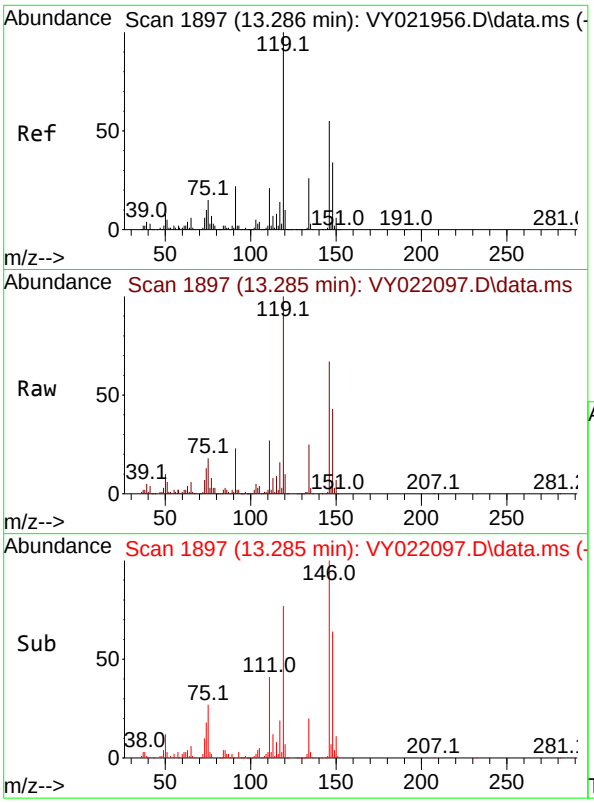


#86
p-Isopropyltoluene
Concen: 19.423 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:119 Resp: 268577

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.6	40.7
91	22.2	11.0	33.0





#87
1,3-Dichlorobenzene
Concen: 19.869 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:146 Resp: 15356

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.6	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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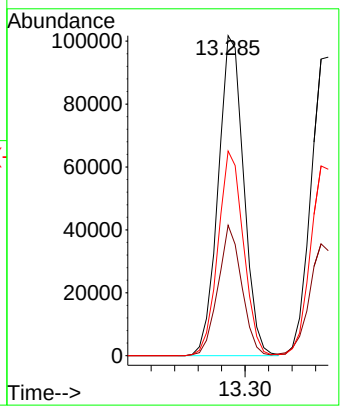
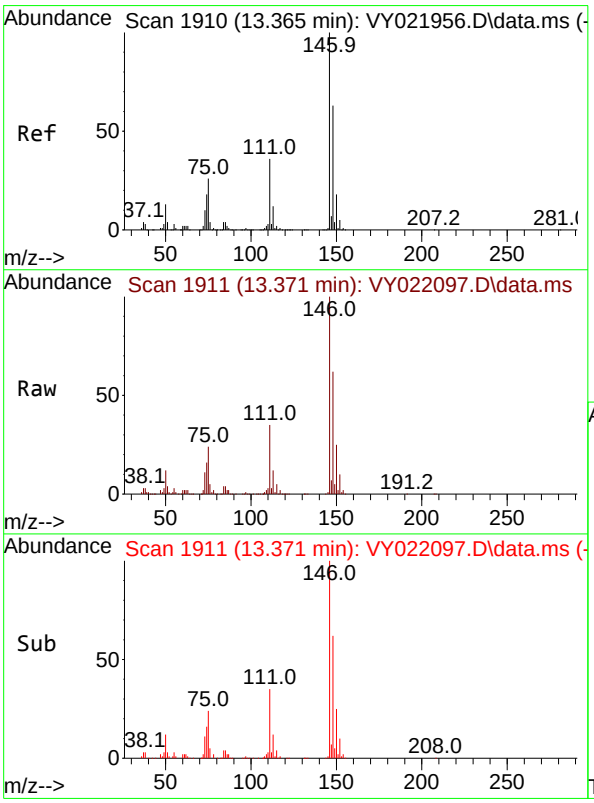
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

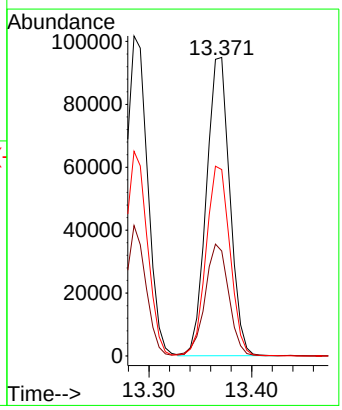


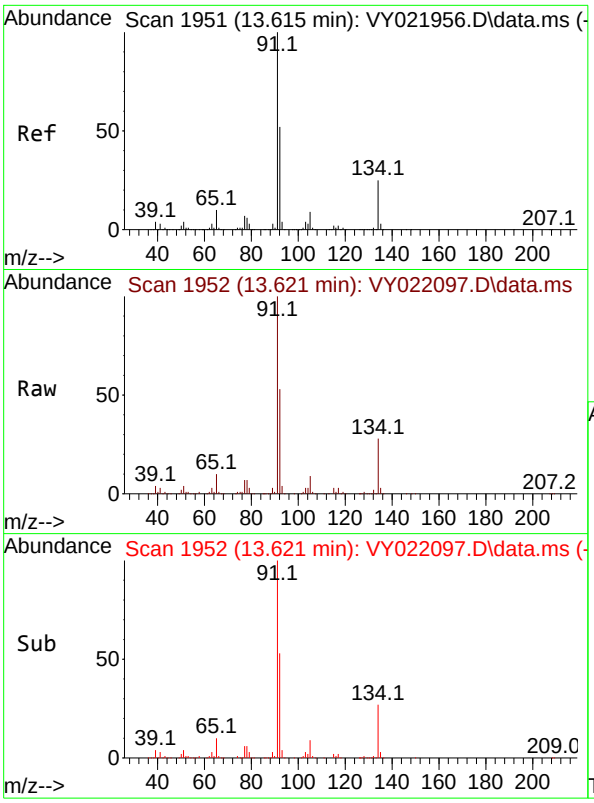


#88
1,4-Dichlorobenzene
Concen: 19.600 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:146 Resp: 150028

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.2	57.6
148	65.1	32.0	96.0

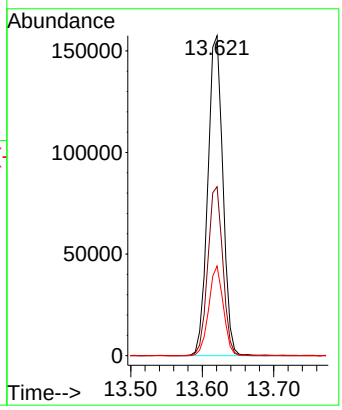




#89
n-Butylbenzene
Concen: 18.656 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 91 Resp: 23058

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	27.1	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
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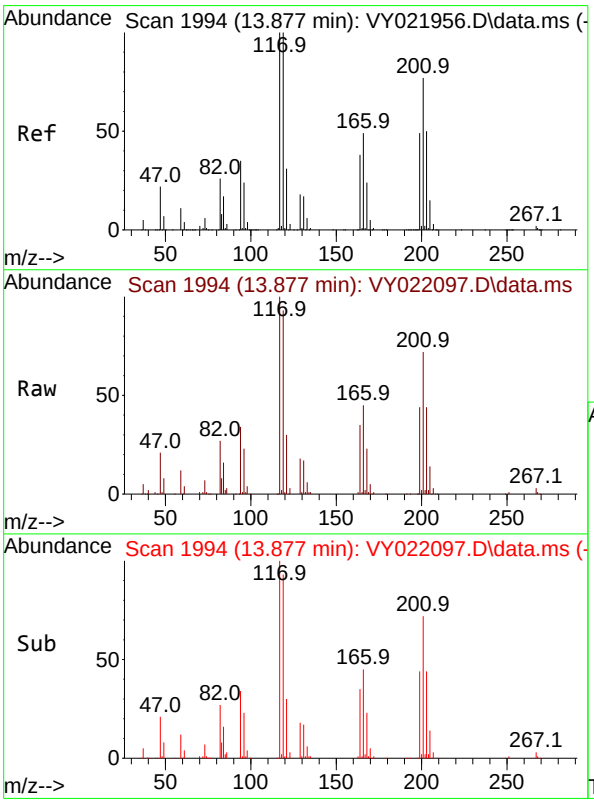
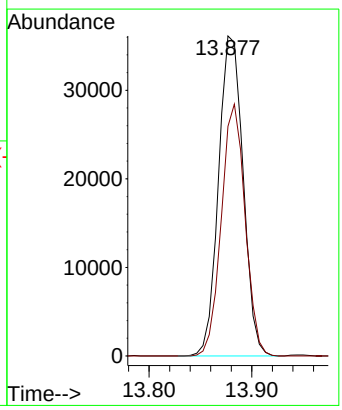
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

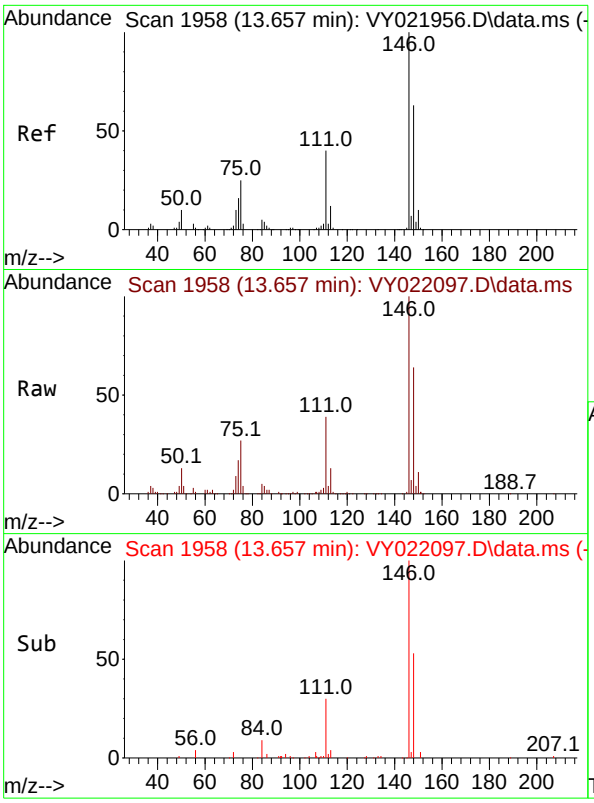


#90
Hexachloroethane
Concen: 19.723 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:117 Resp: 59920

Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.7	116.1

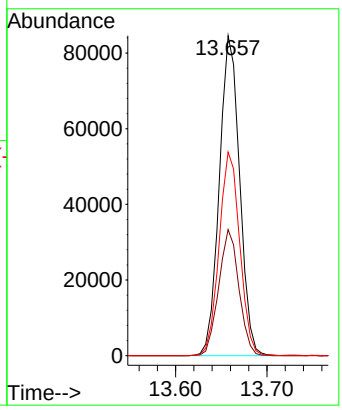




#91
1,2-Dichlorobenzene
Concen: 19.391 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:146 Resp: 13071

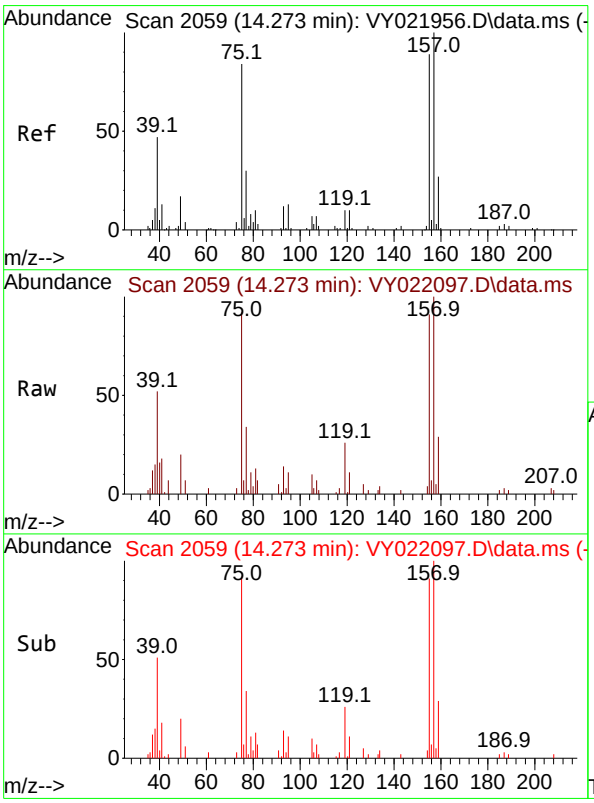
Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	64.6	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
APPROVED

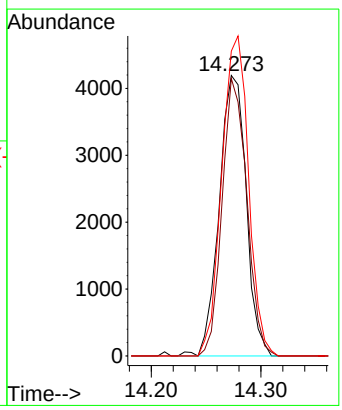
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

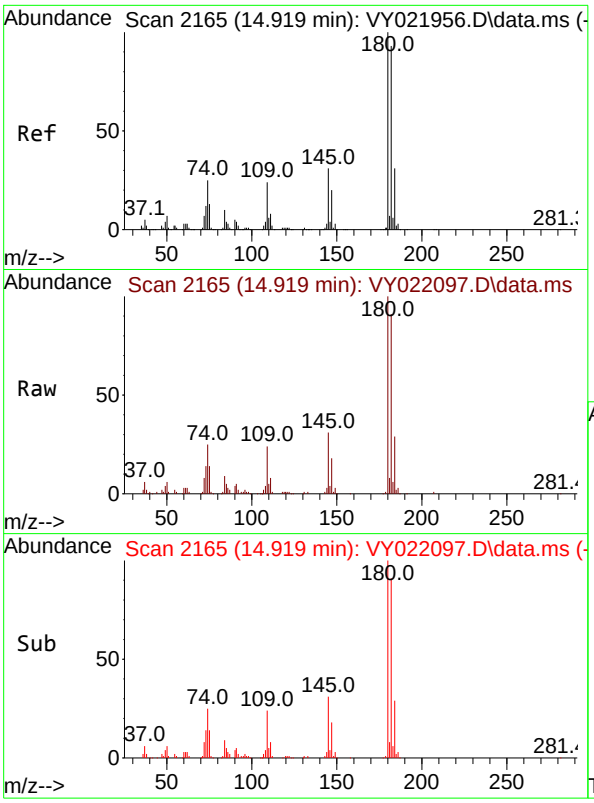


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.708 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 7153

Ion	Ratio	Lower	Upper
75	100		
155	90.6	50.7	152.3
157	113.4	62.6	187.8

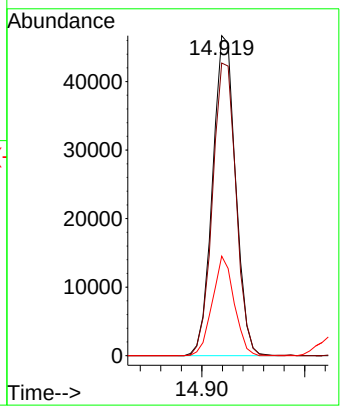




#93
1,2,4-Trichlorobenzene
Concen: 19.012 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:180 Resp: 7262

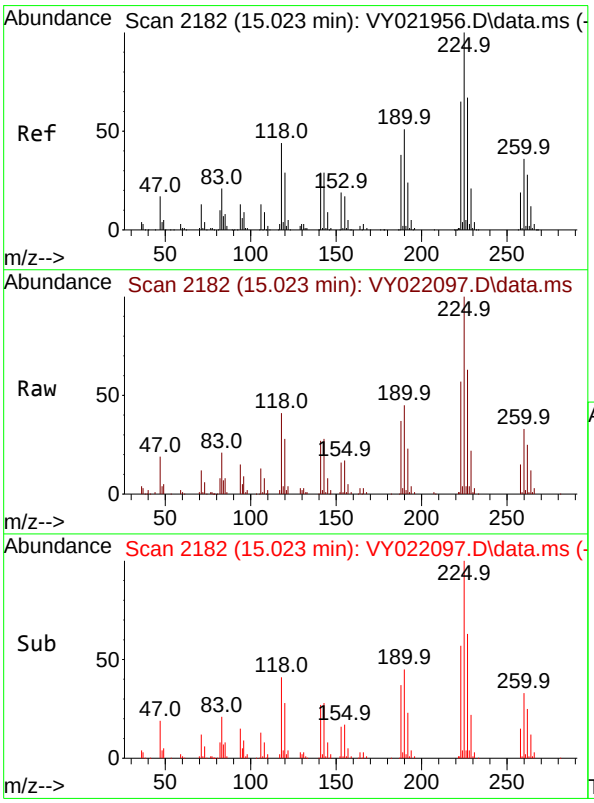
Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.1	141.4
145	29.4	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
APPROVED

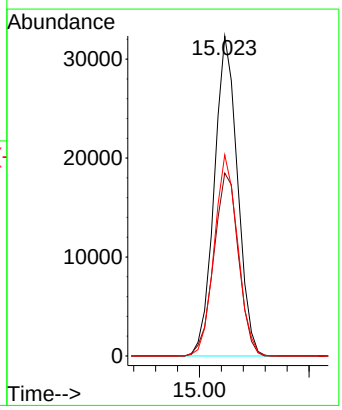
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

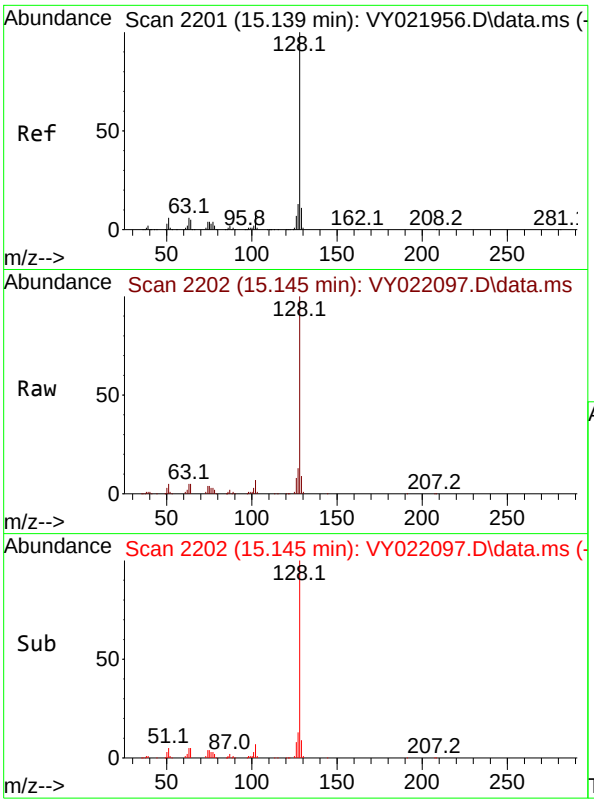


#94
Hexachlorobutadiene
Concen: 20.283 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:225 Resp: 47671

Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.9	95.5
227	63.3	32.3	96.9

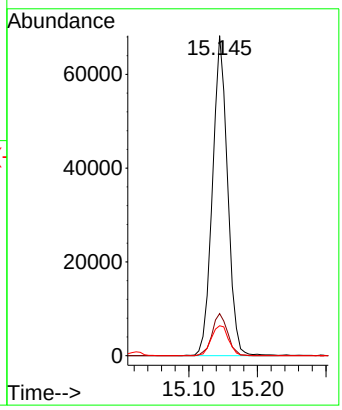




#95
Naphthalene
Concen: 16.425 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:128 Resp: 10422

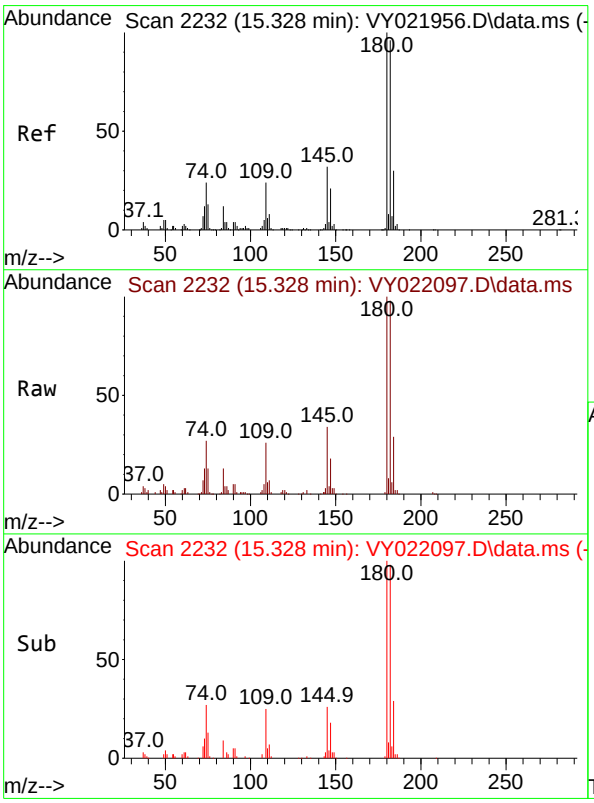
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.7	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Manual Integrations
APPROVED

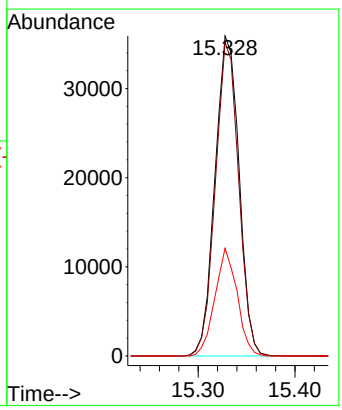
Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.778 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:180 Resp: 61917

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.4
145	31.1	16.0	48.0



Raw Data: **VY022147.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0505SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.019		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.020		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.022		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.021		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.095		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.095		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.093		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.019		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.019		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.019		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.092		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.021		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.020		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.020		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.020		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.020		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.096		0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022147.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0505SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.020		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.020		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.020		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.093		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.020		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.020		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.020		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.060		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.019		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.019		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.020		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.019		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.020		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.020		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.019		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.020		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.020		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.020		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022147.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1883
Lab Sample ID:	VY0505SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.020		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.018		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.020		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.019		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.9		71 - 136		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.9		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	284000	7.713				
540-36-3	1,4-Difluorobenzene	438000	8.616				
3114-55-4	Chlorobenzene-d5	396000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	212000	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\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	283597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	395977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	212383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	130743	49.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.820%			
35) Dibromofluoromethane	7.634	113	142785	49.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.780%			
50) Toluene-d8	10.109	98	533457	48.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.408	95	183926	50.125	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45521	18.837	ug/l	99
3) Chloromethane	2.068	50	68631	19.946	ug/l	97
4) Vinyl Chloride	2.202	62	83953	19.855	ug/l	98
5) Bromomethane	2.592	94	80640	22.136	ug/l	99
6) Chloroethane	2.732	64	59493	20.659	ug/l	96
7) Trichlorofluoromethane	3.056	101	114277	20.496	ug/l	96
8) Diethyl Ether	3.452	74	27528	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	62536	20.675	ug/l	99
10) Methyl Iodide	4.007	142	62685	17.900	ug/l	98
11) Tert butyl alcohol	4.884	59	13817	96.078	ug/l	97
12) 1,1-Dichloroethene	3.793	96	56505	20.042	ug/l	99
13) Acrolein	3.653	56	12255	47.479	ug/l	100
14) Allyl chloride	4.385	41	64034	19.506	ug/l	99
15) Acrylonitrile	5.061	53	50219	94.524	ug/l	99
16) Acetone	3.872	43	36620	93.425	ug/l	98
17) Carbon Disulfide	4.104	76	172376	19.176	ug/l	99
18) Methyl Acetate	4.391	43	24946	20.387	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	122495	19.413	ug/l	94
20) Methylene Chloride	4.616	84	61860	18.676	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	62716	19.863	ug/l	99
22) Diisopropyl ether	6.018	45	147220	20.152	ug/l	95
23) Vinyl Acetate	5.964	43	381169	96.815	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102019	20.147	ug/l	99
25) 2-Butanone	6.902	43	55008	92.124	ug/l	97
26) 2,2-Dichloropropane	6.884	77	93959	21.170	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	70002	19.828	ug/l	99
28) Bromochloromethane	7.250	49	40301	20.490	ug/l	100
29) Tetrahydrofuran	7.268	42	36635	94.466	ug/l	100
30) Chloroform	7.421	83	113922	20.282	ug/l	99
31) Cyclohexane	7.707	56	85669	19.784	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	105659	20.792	ug/l	100
36) 1,1-Dichloropropene	7.835	75	79161	20.383	ug/l	99
37) Ethyl Acetate	6.982	43	26192	18.778	ug/l	99
38) Carbon Tetrachloride	7.817	117	97921	21.100	ug/l	99
39) Methylcyclohexane	9.109	83	96393	19.723	ug/l	96
40) Benzene	8.079	78	245125	20.191	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13405	17.581	ug/l		90
42) 1,2-Dichloroethane	8.158	62	63069	20.983	ug/l		100
43) Isopropyl Acetate	8.201	43	51461	19.211	ug/l		98
44) Trichloroethene	8.865	130	69699	20.727	ug/l		99
45) 1,2-Dichloropropane	9.146	63	54540	20.315	ug/l		99
46) Dibromomethane	9.237	93	33746	20.079	ug/l		99
47) Bromodichloromethane	9.426	83	86130	20.515	ug/l		97
48) Methyl methacrylate	9.225	41	23901	19.301	ug/l		97
49) 1,4-Dioxane	9.237	88	6413	358.012	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	134271	95.622	ug/l		100
52) Toluene	10.170	92	158982	20.231	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	72724	20.194	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	85689	20.017	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	45637	20.329	ug/l		98
56) Ethyl methacrylate	10.438	69	46887	18.264	ug/l		97
57) 1,3-Dichloropropane	10.719	76	72166	20.052	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	121659	96.924	ug/l		99
59) 2-Hexanone	10.761	43	86027	92.884	ug/l		97
60) Dibromochloromethane	10.914	129	60636	19.509	ug/l		97
61) 1,2-Dibromoethane	11.018	107	41480	19.572	ug/l		100
64) Tetrachloroethene	10.652	164	79383	21.251	ug/l		95
65) Chlorobenzene	11.444	112	177439	20.038	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	62480	20.042	ug/l		98
67) Ethyl Benzene	11.524	91	284474	19.639	ug/l		100
68) m/p-Xylenes	11.627	106	232280	40.298	ug/l		99
69) o-Xylene	11.956	106	105732	19.902	ug/l		99
70) Styrene	11.969	104	176830	19.824	ug/l		99
71) Bromoform	12.133	173	34946	19.281	ug/l	#	99
73) Isopropylbenzene	12.255	105	276933	19.517	ug/l		99
74) N-amyl acetate	12.072	43	43915	18.014	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	45282	18.928	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	36757m	20.205	ug/l		
77) Bromobenzene	12.536	156	69315	19.332	ug/l		96
78) n-propylbenzene	12.597	91	338881	20.055	ug/l		100
79) 2-Chlorotoluene	12.682	91	195791	19.923	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	235339	20.129	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14546	19.255	ug/l		98
82) 4-Chlorotoluene	12.779	91	206233	20.188	ug/l		99
83) tert-Butylbenzene	12.999	119	201521	19.219	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	234406	20.045	ug/l		98
85) sec-Butylbenzene	13.176	105	307501	20.041	ug/l		100
86) p-Isopropyltoluene	13.291	119	260054	19.960	ug/l		98
87) 1,3-Dichlorobenzene	13.291	146	142760	19.604	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	140689	19.507	ug/l		100
89) n-Butylbenzene	13.621	91	227203	19.510	ug/l		100
90) Hexachloroethane	13.883	117	57209	19.985	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	123286	19.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7469	19.624	ug/l		86
93) 1,2,4-Trichlorobenzene	14.925	180	66121	18.371	ug/l		97
94) Hexachlorobutadiene	15.023	225	43136	19.479	ug/l		100
95) Naphthalene	15.145	128	101830	17.031	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	57120	18.385	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

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\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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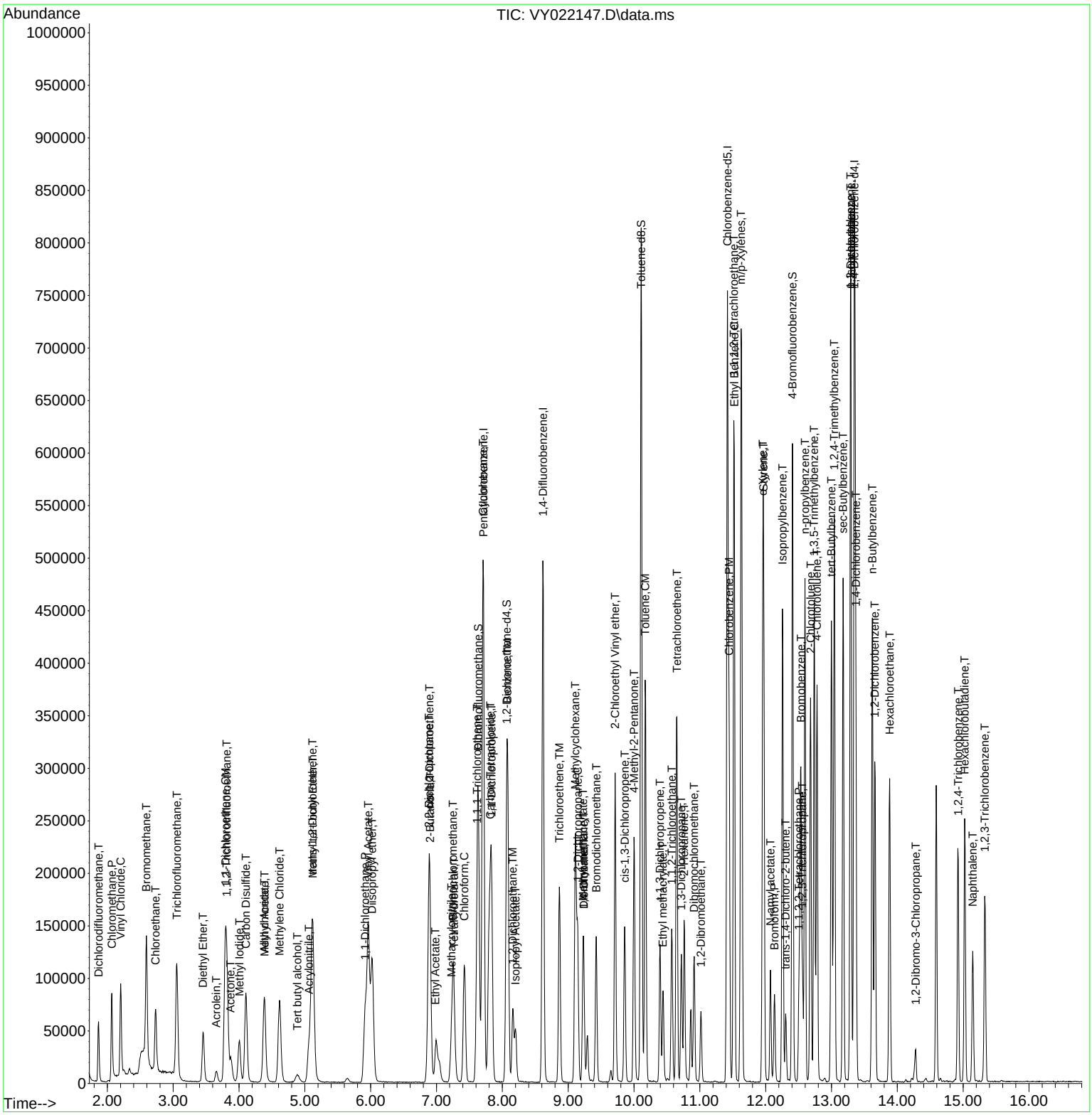
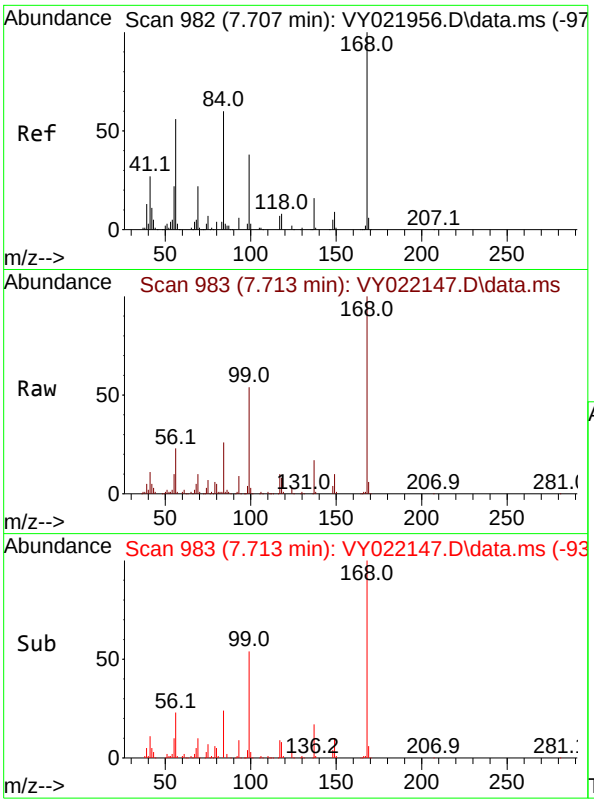
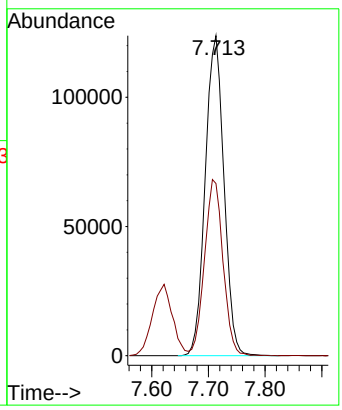




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:168 Resp: 28359

Ion	Ratio	Lower	Upper
168	100		
99	53.8	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

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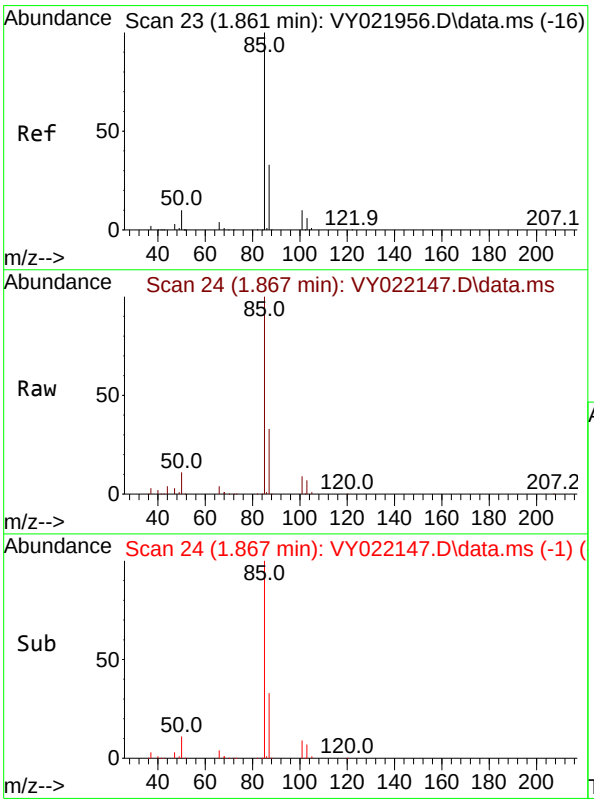
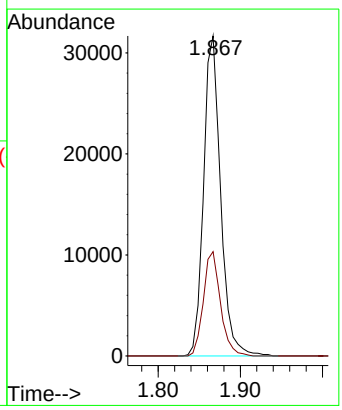
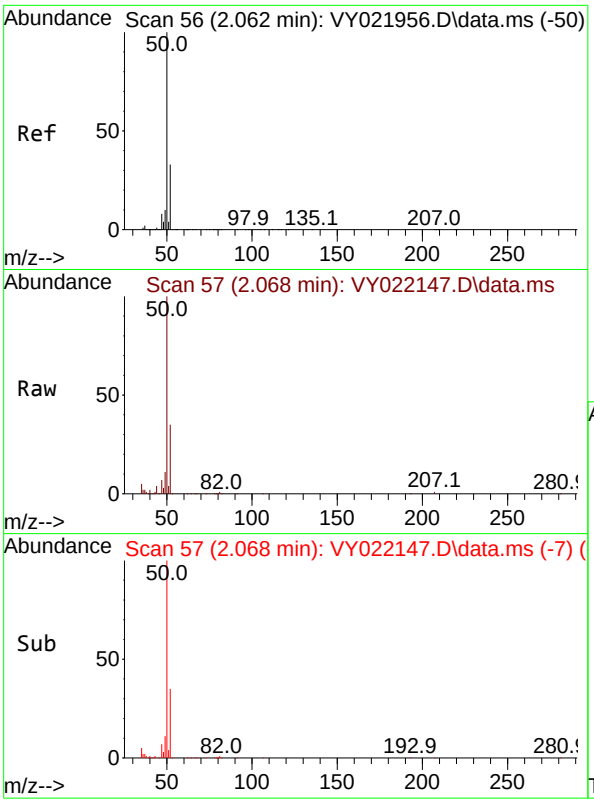


#2
Dichlorodifluoromethane
Concen: 18.837 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 85 Resp: 45521

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.7





#3
Chloromethane
Concen: 19.946 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 50 Resp: 6863

Ion	Ratio	Lower	Upper
50	100		
52	34.5	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

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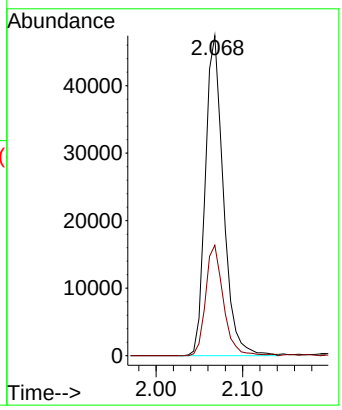
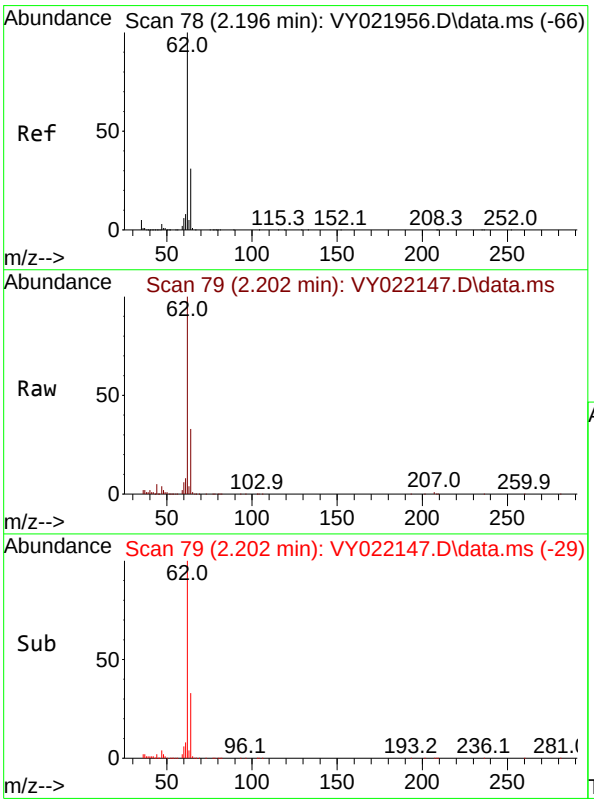
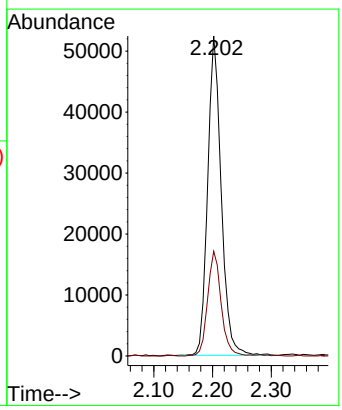


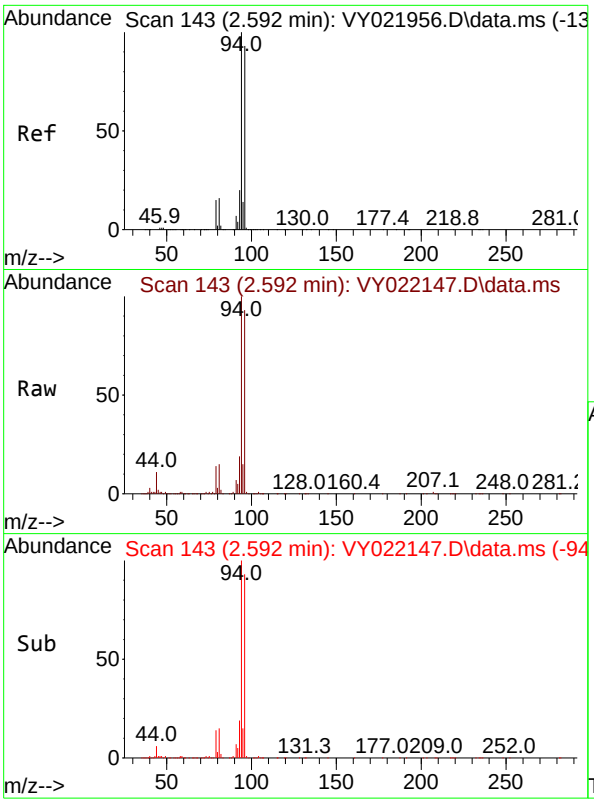


#4
Vinyl Chloride
Concen: 19.855 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 62 Resp: 83953

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.1	37.7





#5
Bromomethane
Concen: 22.136 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

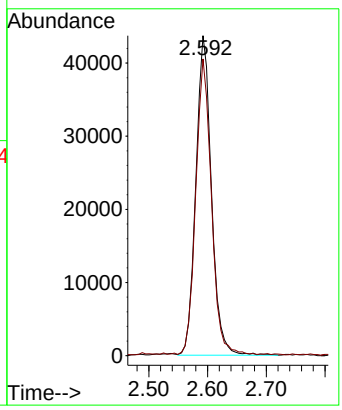
Tgt Ion: 94 Resp: 8064(

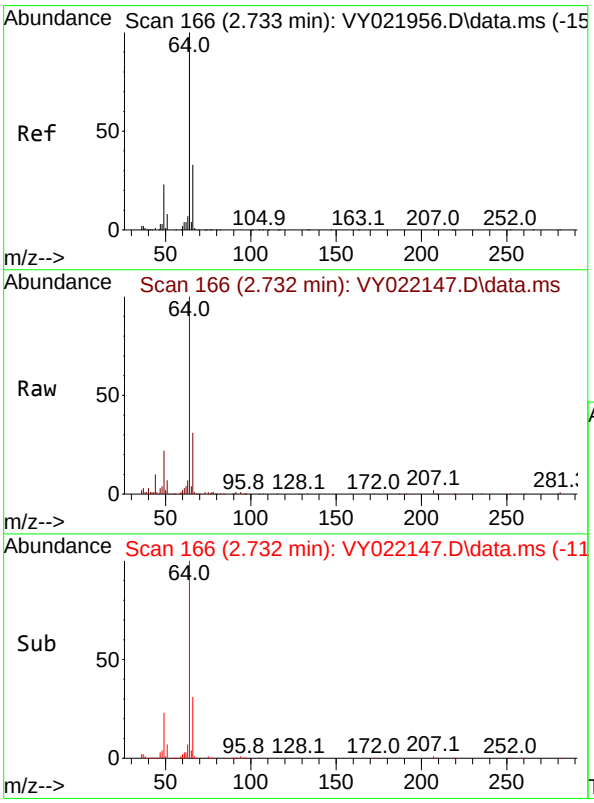
Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.6	111.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

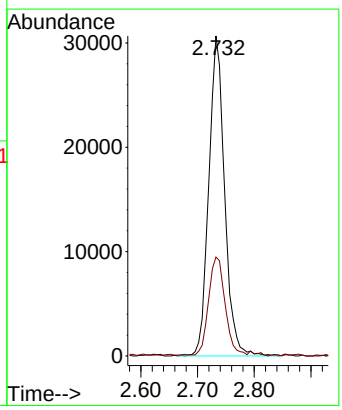


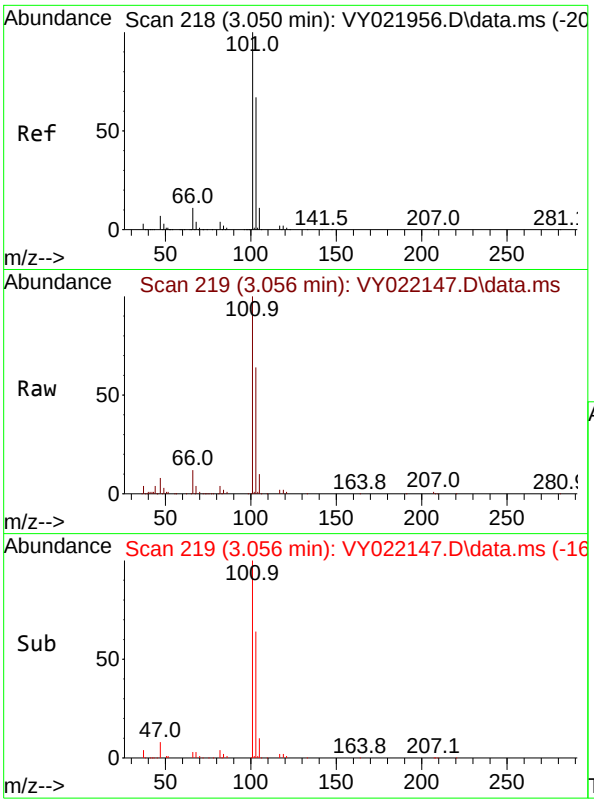


#6
Chloroethane
Concen: 20.659 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 64 Resp: 59493

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.2	39.4

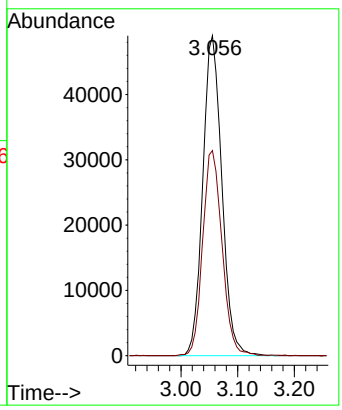




#7
Trichlorofluoromethane
Concen: 20.496 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:101 Resp: 11427

Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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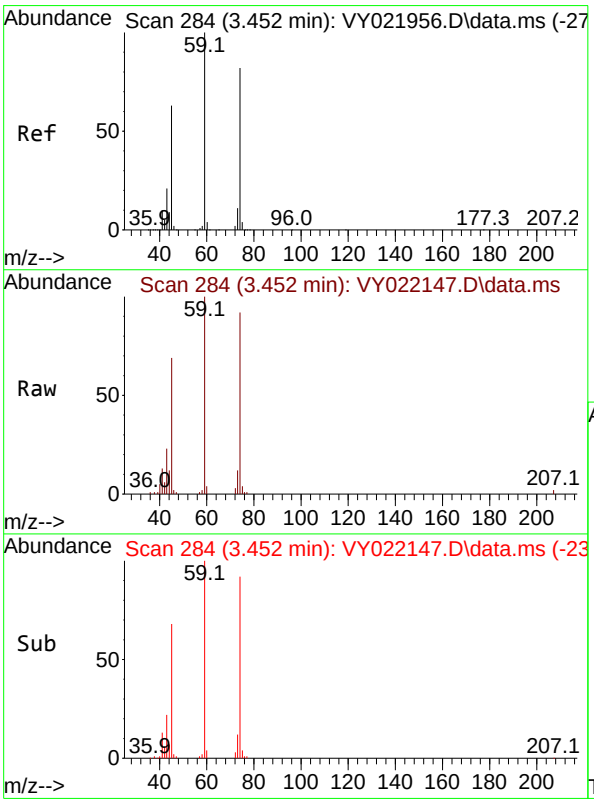
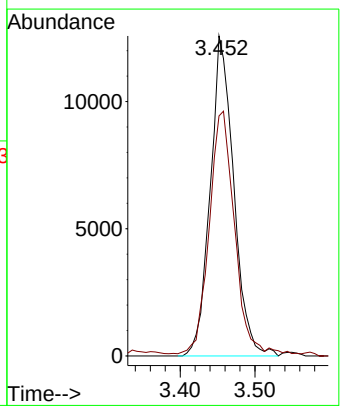
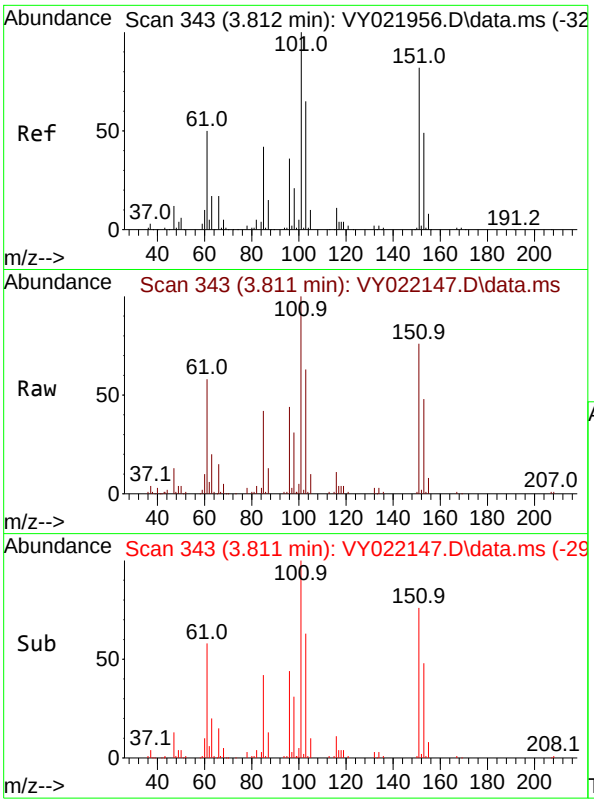


#8
Diethyl Ether
Concen: 18.969 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 74 Resp: 27528

Ion	Ratio	Lower	Upper
74	100		
45	81.1	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.675 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:101 Resp: 6253

Ion	Ratio	Lower	Upper
101	100		
85	44.5	34.6	51.8
151	80.1	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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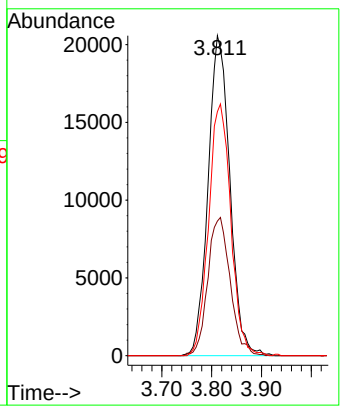
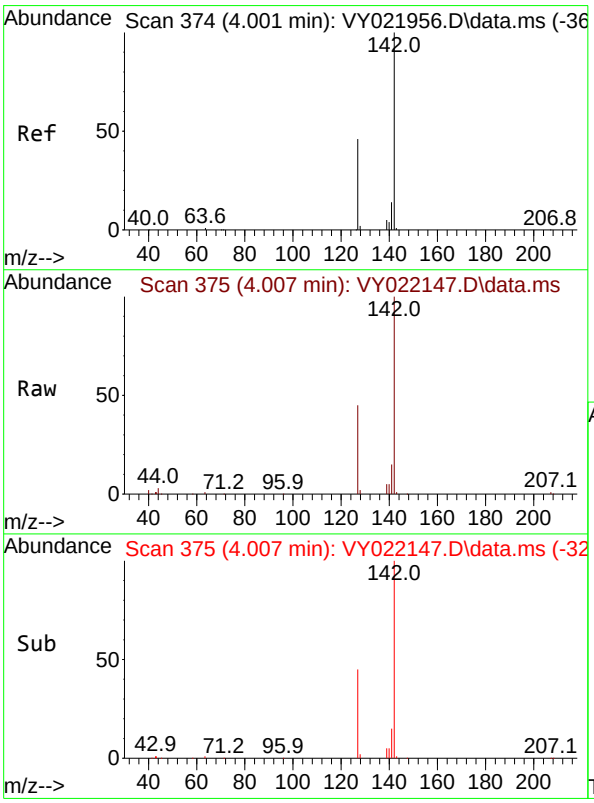
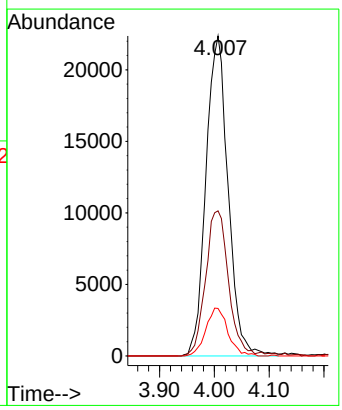


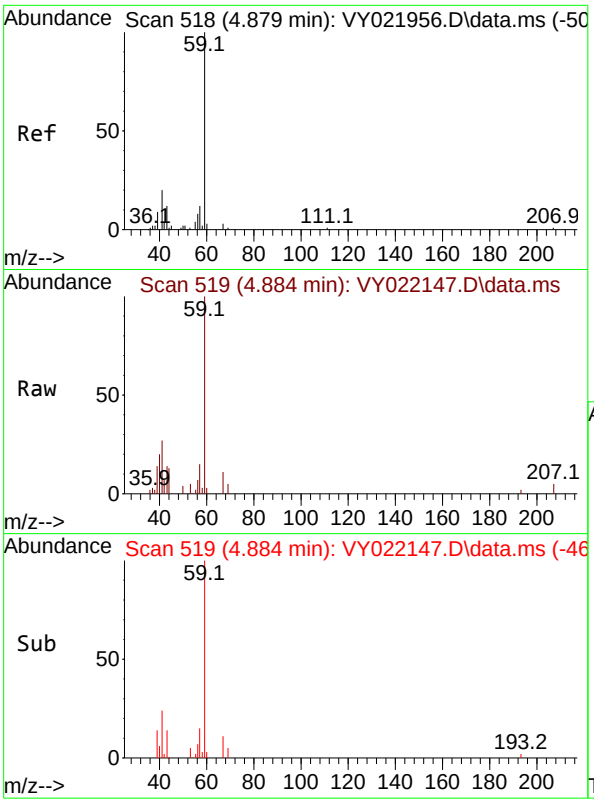


#10
Methyl Iodide
Concen: 17.900 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:142 Resp: 62685

Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.2	54.2
141	14.9	11.7	17.5





#11
Tert butyl alcohol
Concen: 96.078 ug/l
RT: 4.884 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 59 Resp: 1381

Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.3	13.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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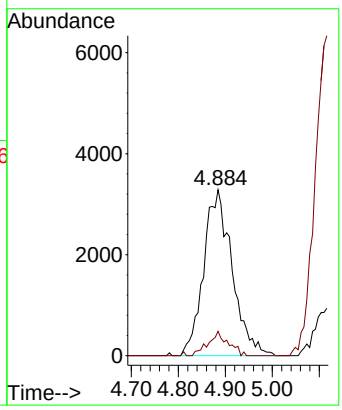
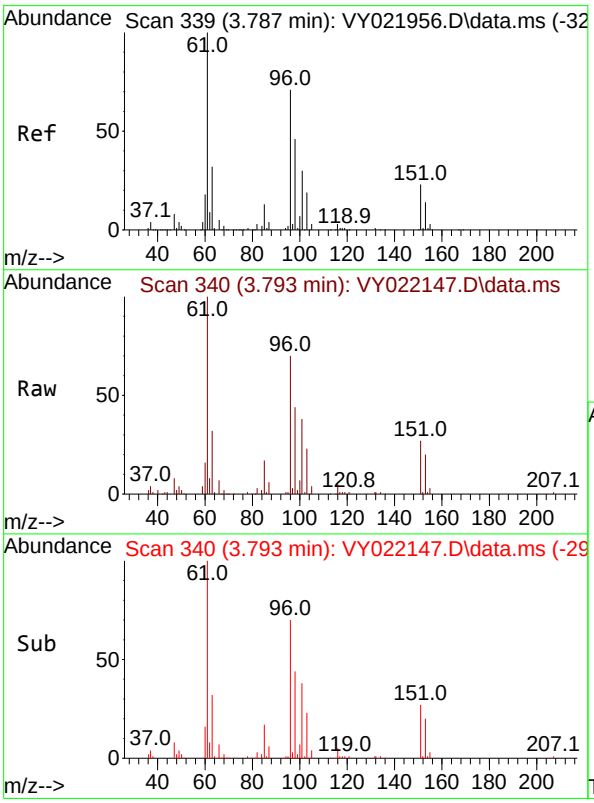
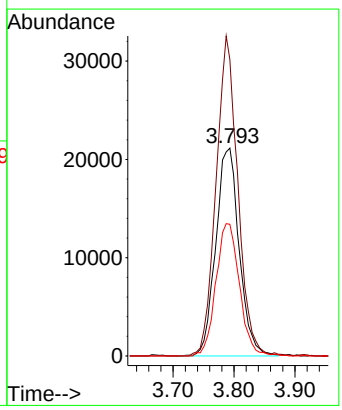


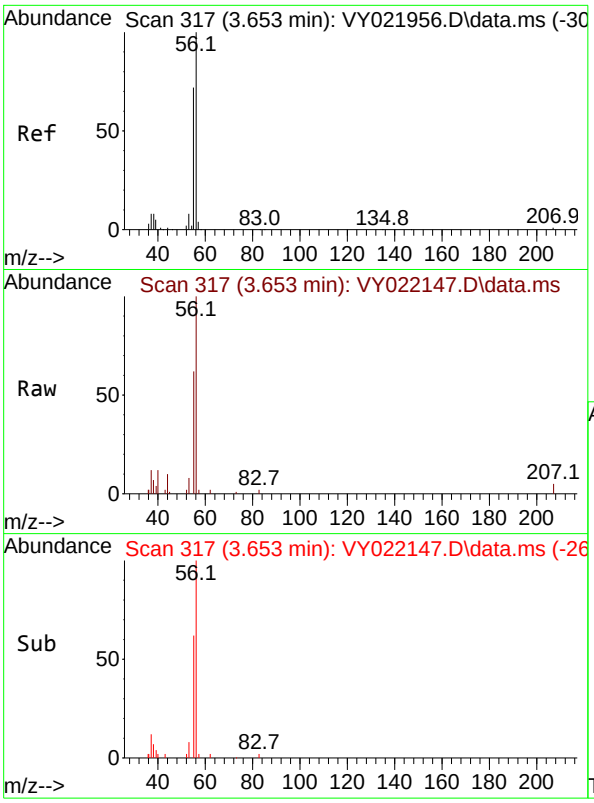


#12
1,1-Dichloroethene
Concen: 20.042 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 96 Resp: 56505

Ion	Ratio	Lower	Upper
96	100		
61	142.6	113.0	169.4
98	63.4	51.4	77.2





#13
Acrolein
Concen: 47.479 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 56 Resp: 1225

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.4	86.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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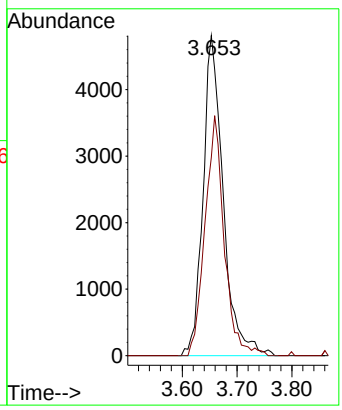
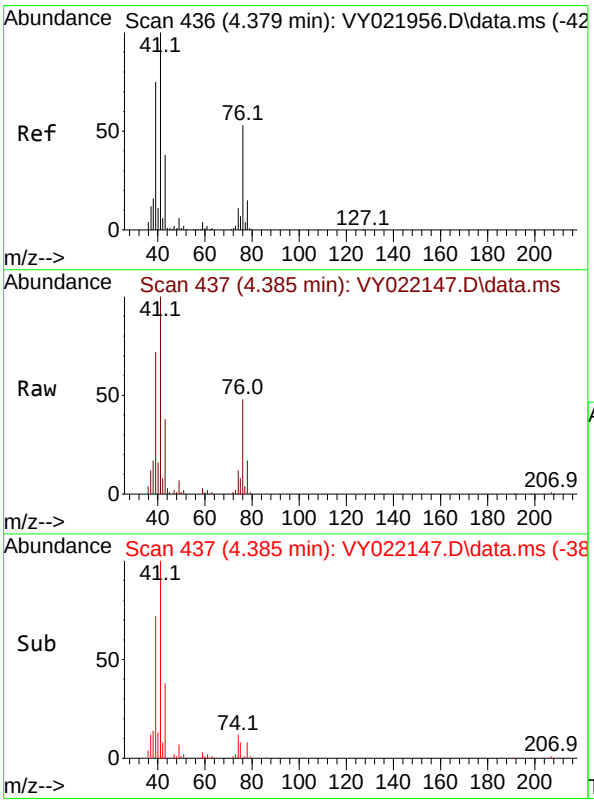
Supervised By :Semsettin Yesilyurt 05/06/2025

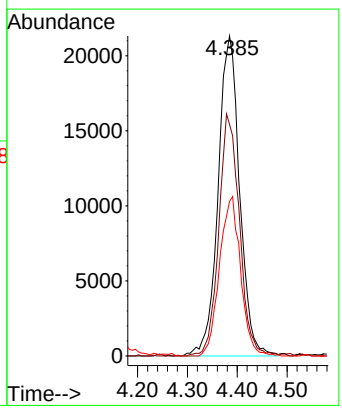


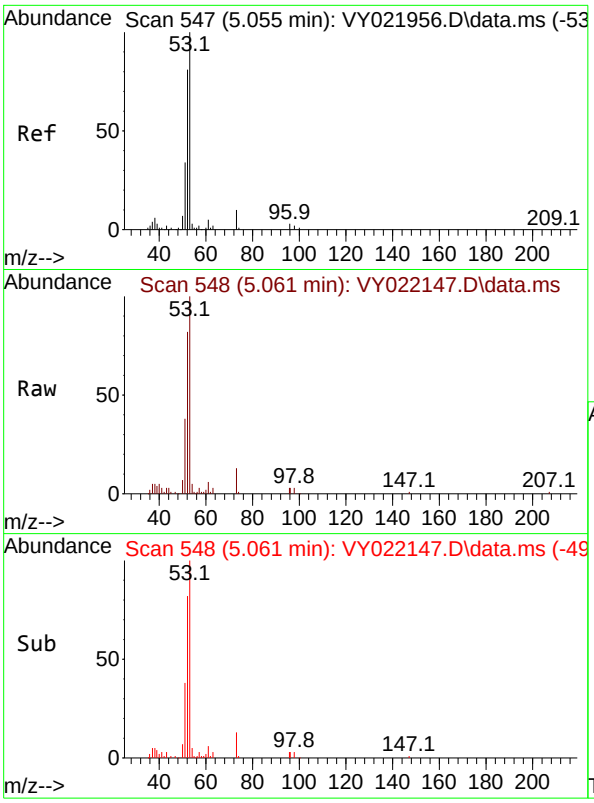


#14
Allyl chloride
Concen: 19.506 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 41 Resp: 64034

Ion	Ratio	Lower	Upper
41	100		
39	72.4	57.2	85.8
76	48.7	39.7	59.5

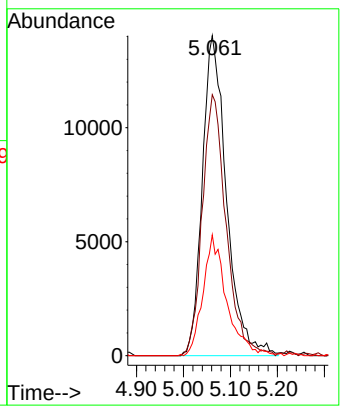




#15
Acrylonitrile
Concen: 94.524 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 53 Resp: 5021

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.2	28.9	43.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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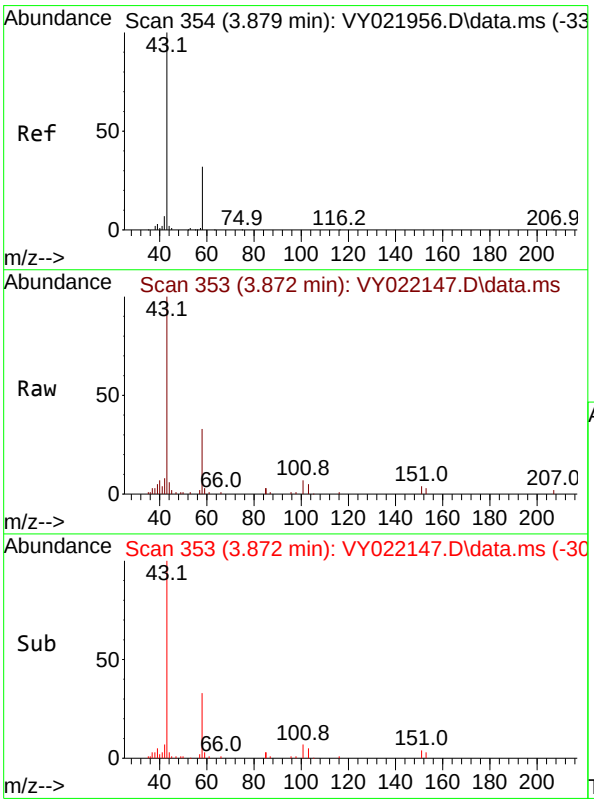
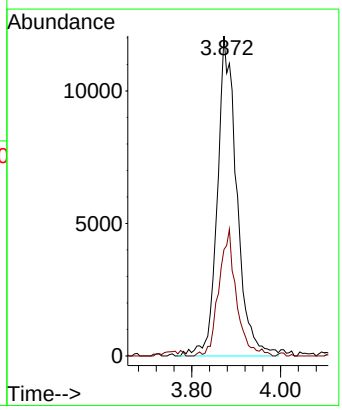
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

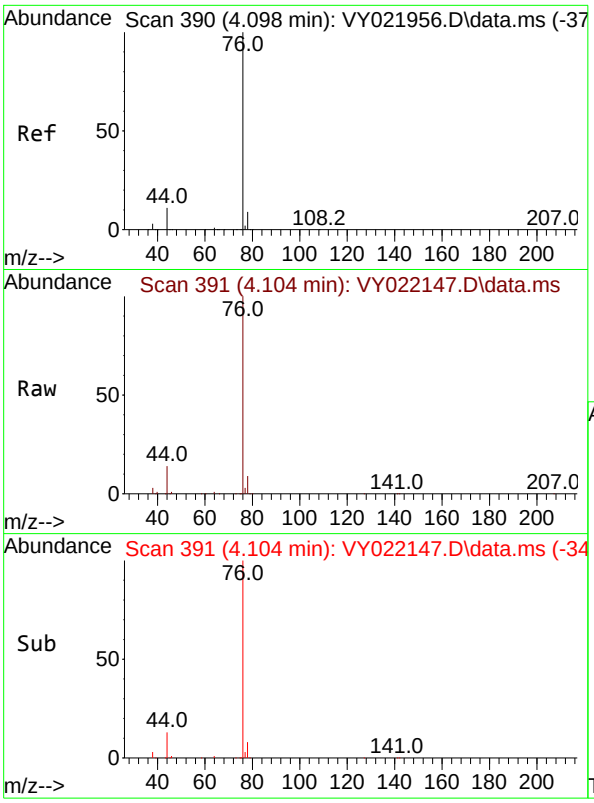


#16
Acetone
Concen: 93.425 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 36620

Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.0	40.4





#17
Carbon Disulfide
Concen: 19.176 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 76 Resp: 17237

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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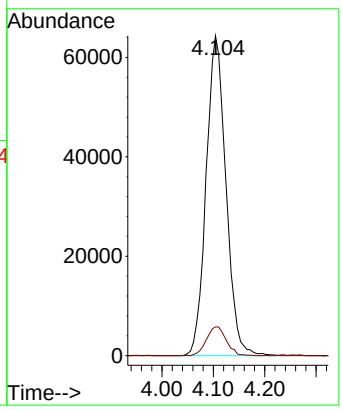
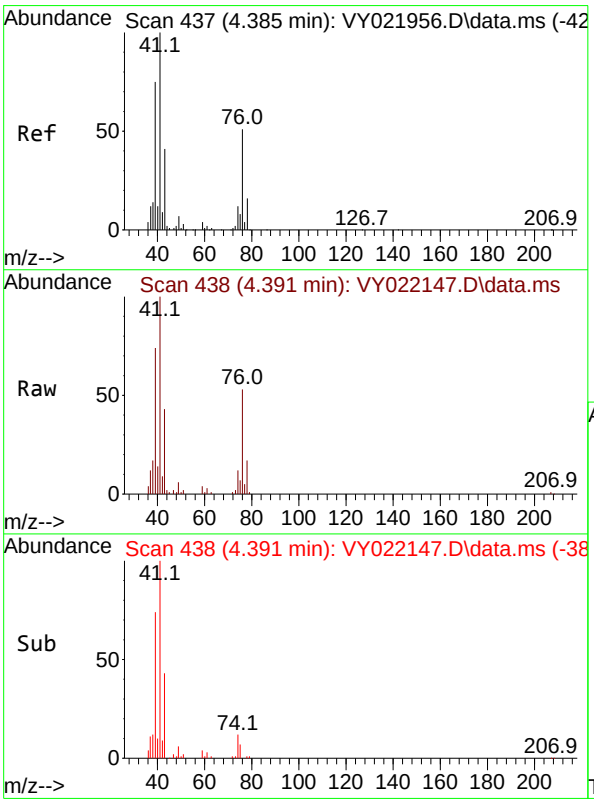
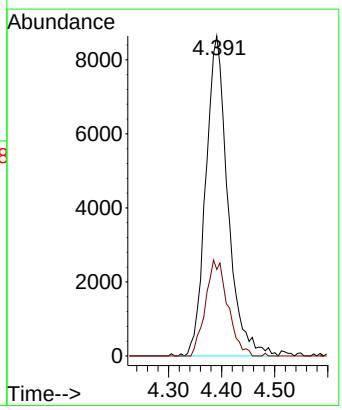


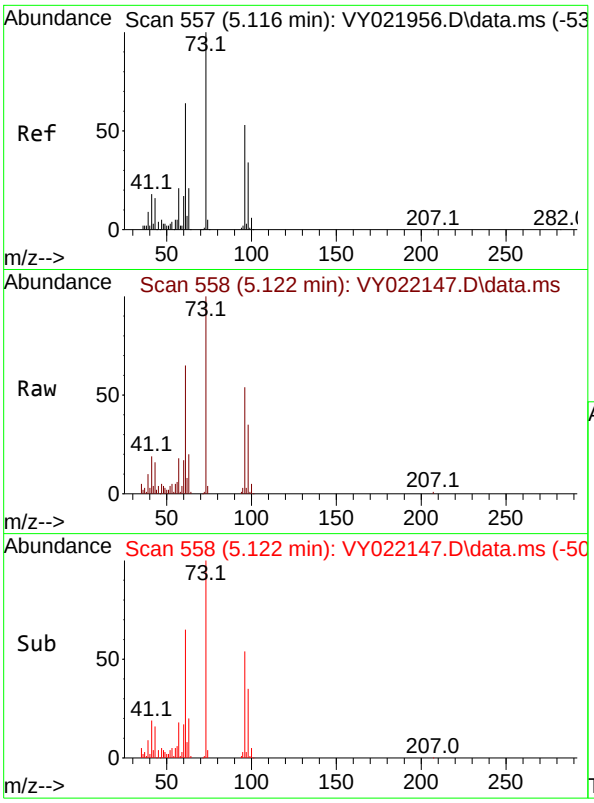


#18
Methyl Acetate
Concen: 20.387 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 24946

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4

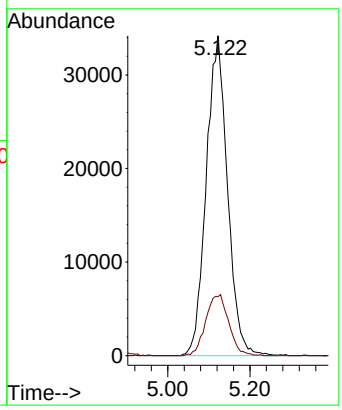




#19
Methyl tert-butyl Ether
Concen: 19.413 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 73 Resp: 12249

Ion	Ratio	Lower	Upper
73	100		
57	18.5	16.9	25.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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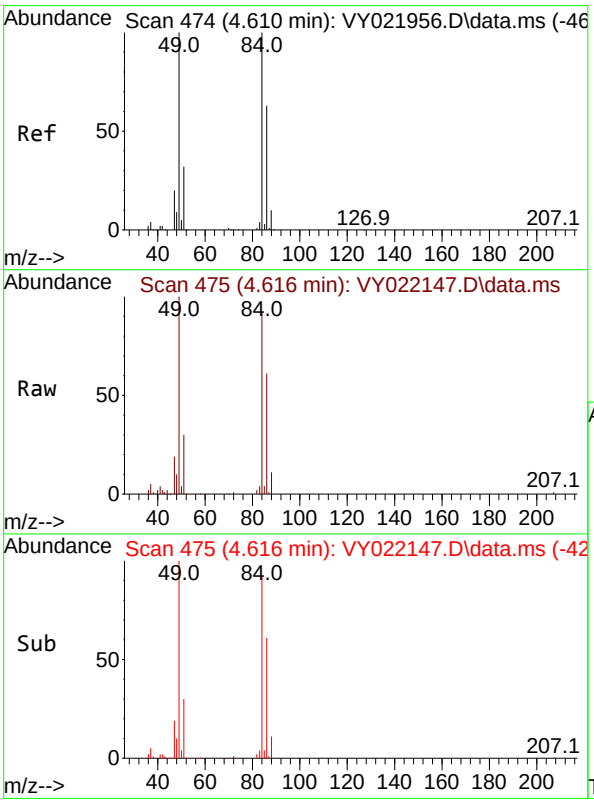
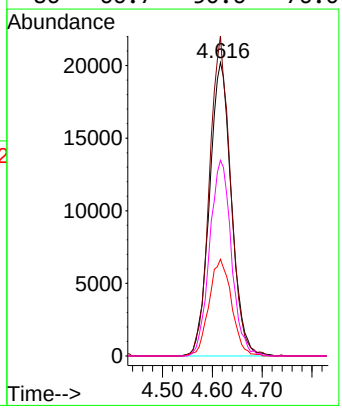
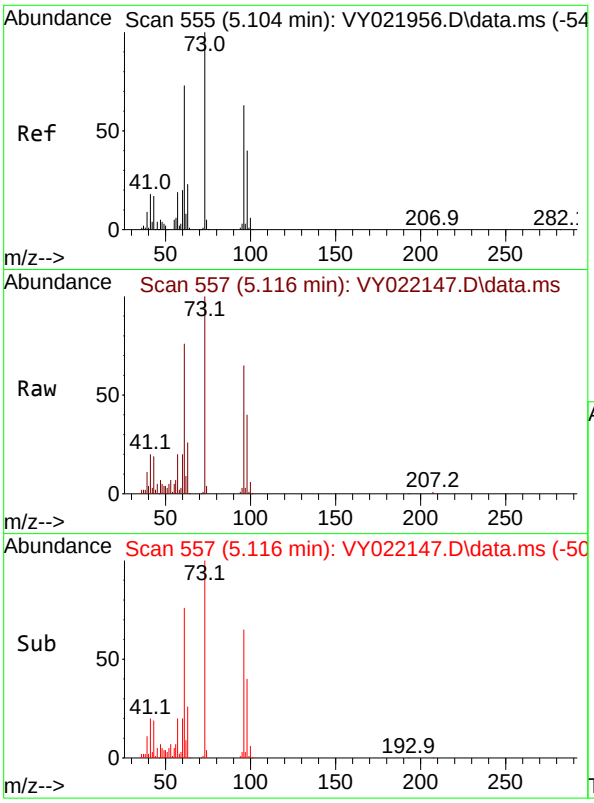


#20
Methylene Chloride
Concen: 18.676 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 84 Resp: 61860

Ion	Ratio	Lower	Upper
84	100		
49	109.0	79.9	119.9
51	33.0	25.4	38.0
86	66.7	50.6	76.0





#21
trans-1,2-Dichloroethene
Concen: 19.863 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 96 Resp: 6271

Ion	Ratio	Lower	Upper
96	100		
61	117.0	92.6	138.8
98	61.5	50.2	75.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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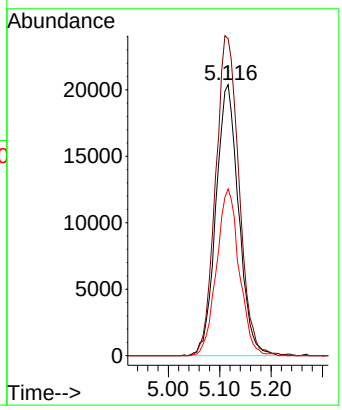
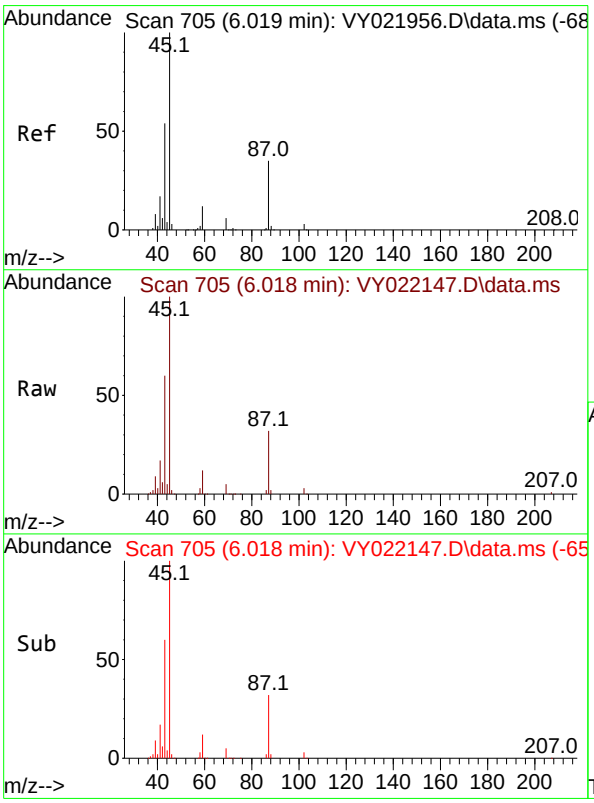
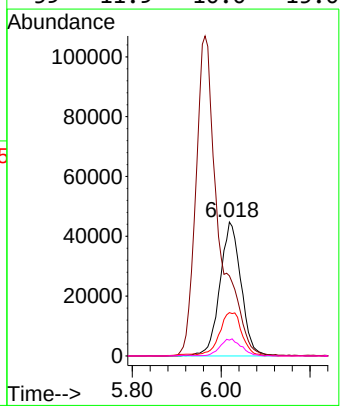


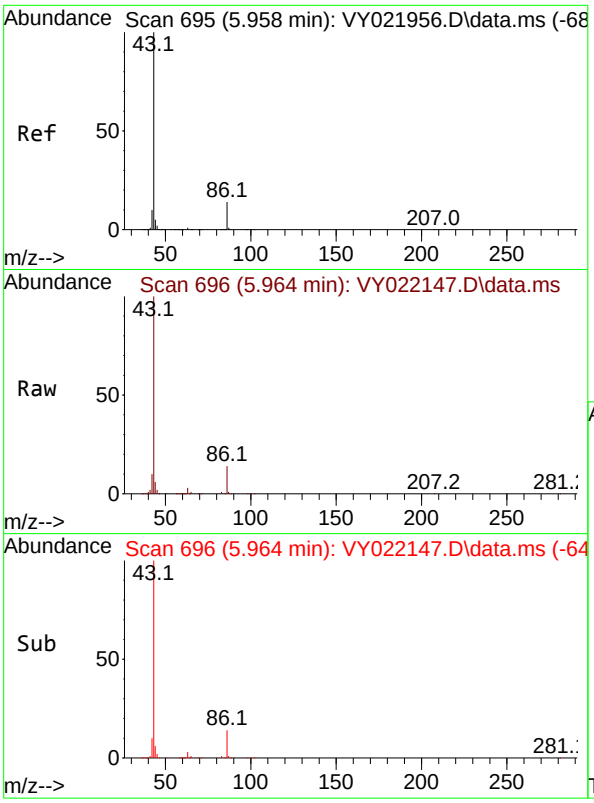


#22
Diisopropyl ether
Concen: 20.152 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 45 Resp: 147220

Ion	Ratio	Lower	Upper
45	100		
43	59.3	43.6	65.4
87	32.4	28.2	42.4
59	11.9	10.0	15.0





#23
Vinyl Acetate
Concen: 96.815 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 38116

Ion	Ratio	Lower	Upper
43	100		
86	14.0	11.1	16.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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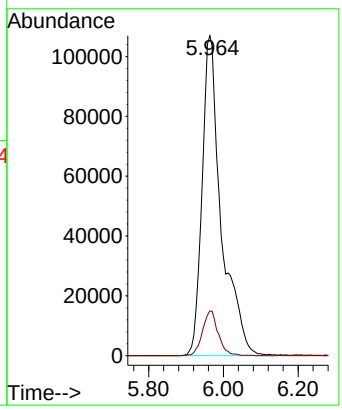
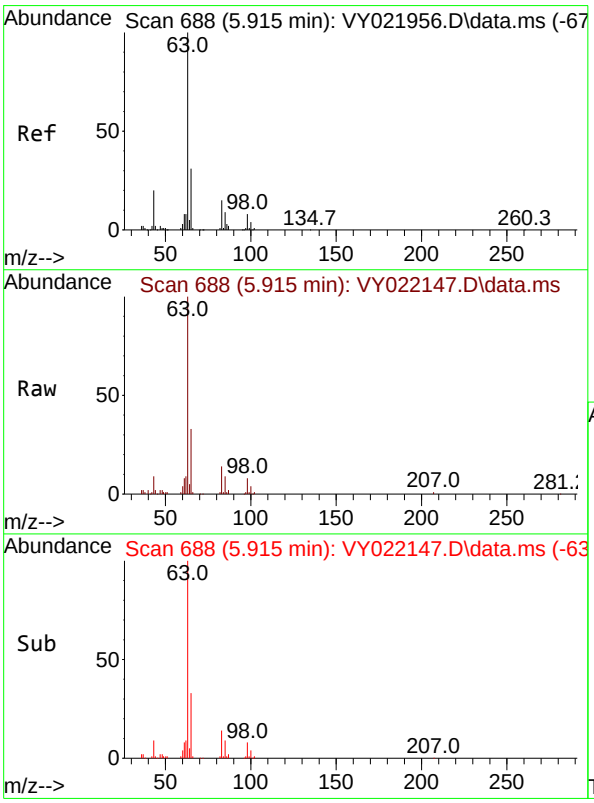
Supervised By :Semsettin Yesilyurt 05/06/2025

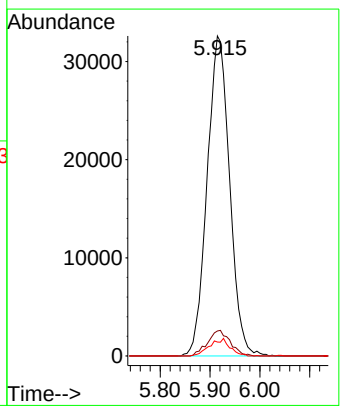


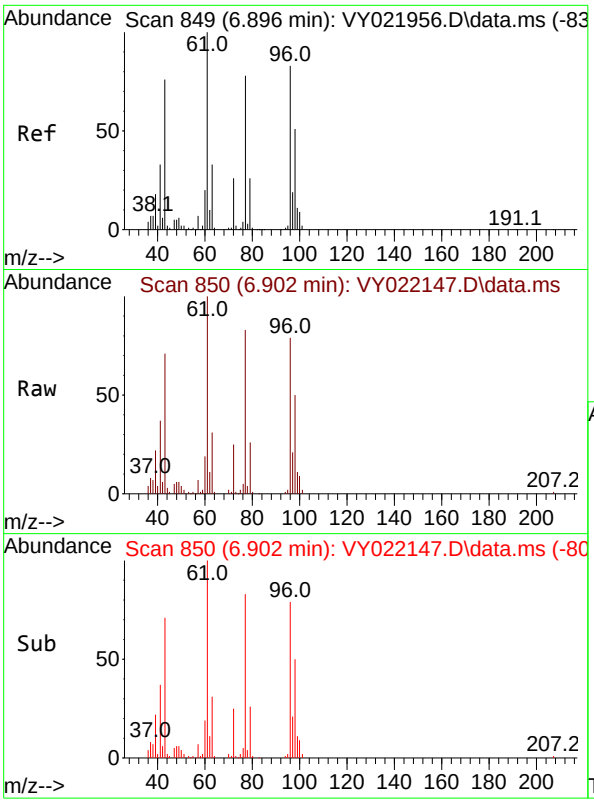


#24
1,1-Dichloroethane
Concen: 20.147 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 63 Resp: 102019

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	4.4	2.0	6.0





#25
2-Butanone
Concen: 92.124 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 5500

Ion	Ratio	Lower	Upper
43	100		
72	35.2	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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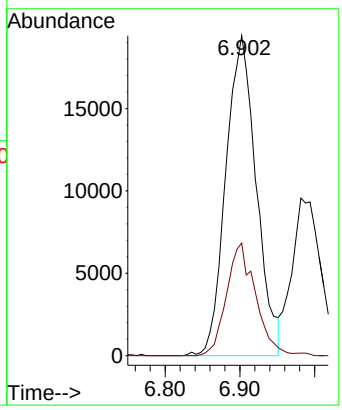
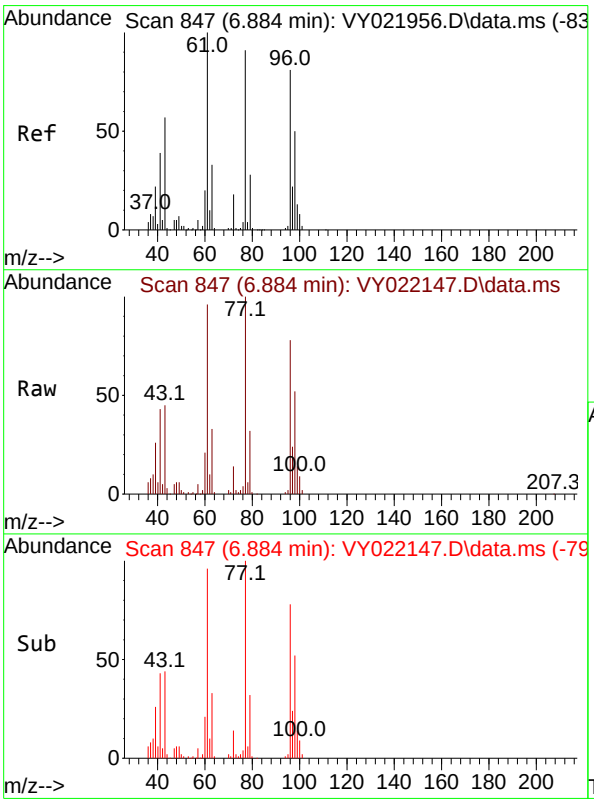
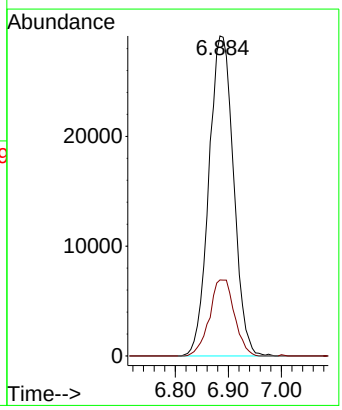


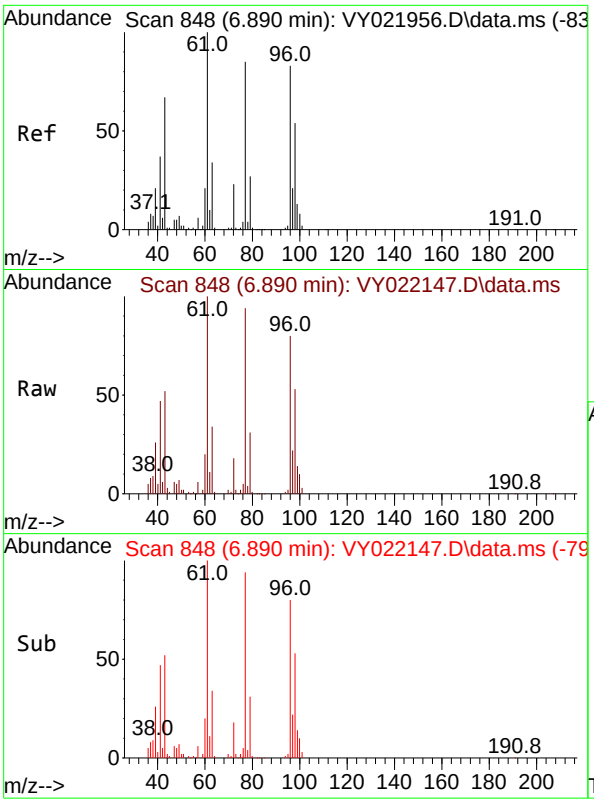


#26
2,2-Dichloropropane
Concen: 21.170 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 77 Resp: 93959

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.4





#27
cis-1,2-Dichloroethene
Concen: 19.828 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 96 Resp: 7000

Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	251.4
98	64.8	0.0	128.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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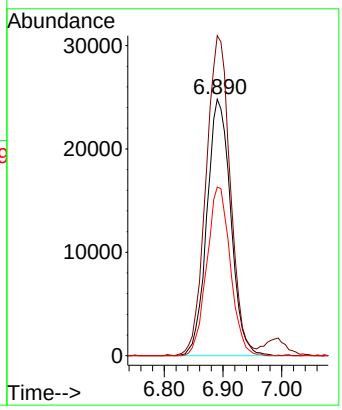
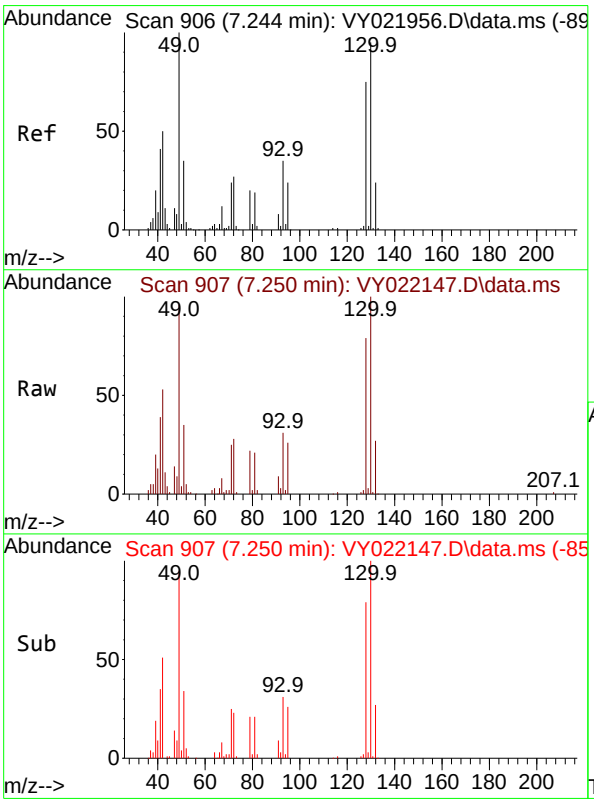
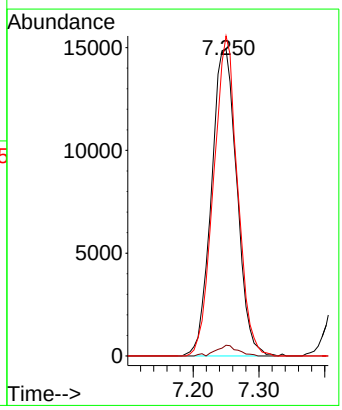


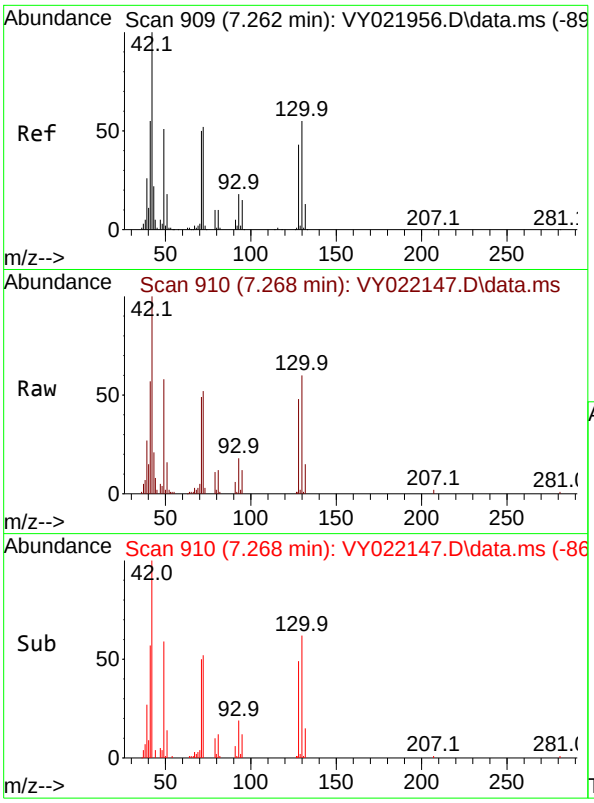


#28
Bromochloromethane
Concen: 20.490 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 49 Resp: 40301

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	98.0	78.2	117.4





#29
Tetrahydrofuran
Concen: 94.466 ug/l
RT: 7.268 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 42 Resp: 3663

Ion	Ratio	Lower	Upper
42	100		
72	53.3	42.6	63.8
71	51.1	40.6	61.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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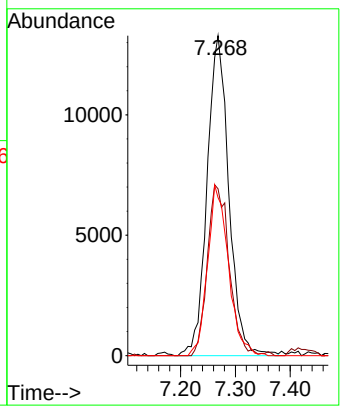
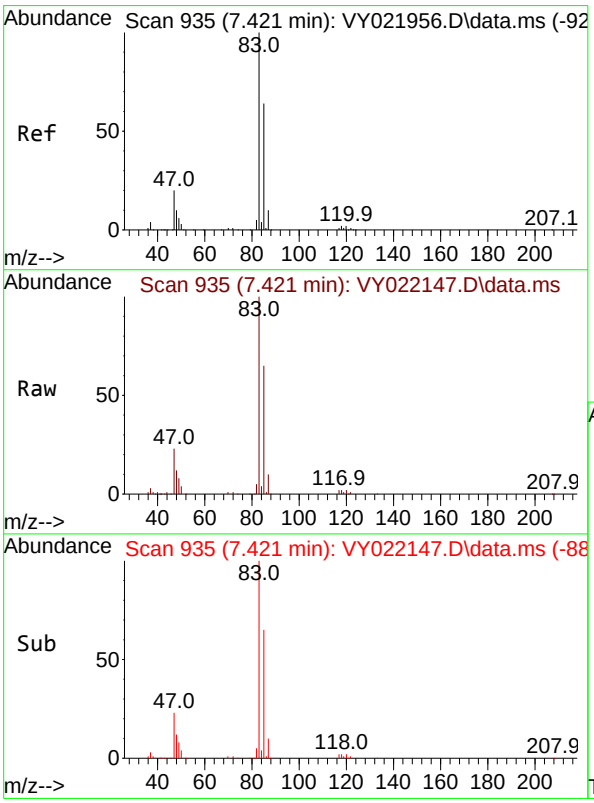
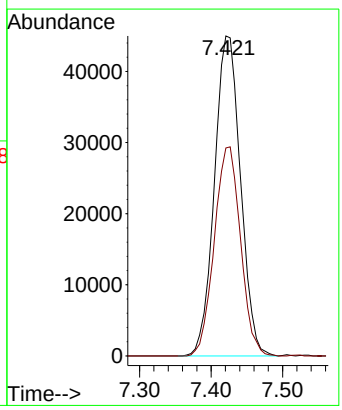


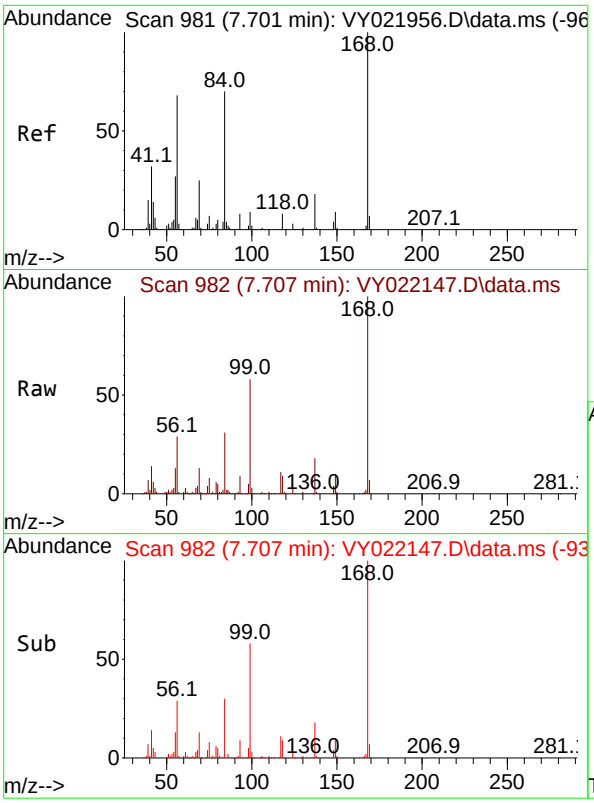


#30
Chloroform
Concen: 20.282 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 83 Resp: 113922

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





#31
Cyclohexane
Concen: 19.784 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 56 Resp: 8566

Ion	Ratio	Lower	Upper
56	100		
69	42.8	29.4	44.2
84	103.7	82.2	123.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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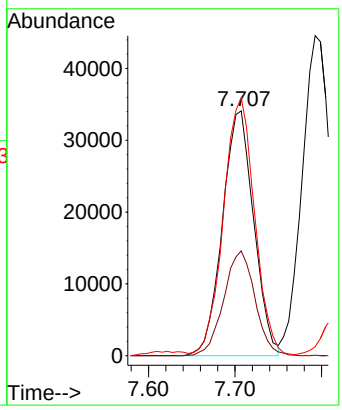
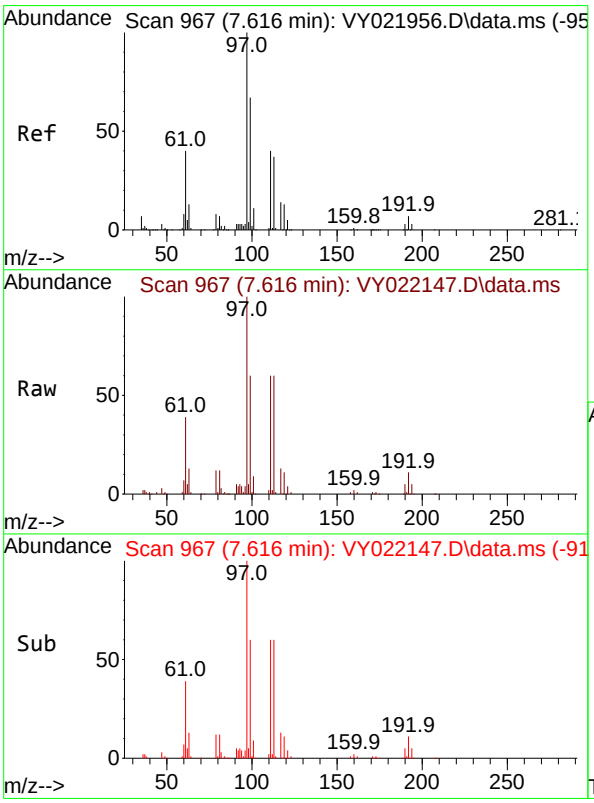
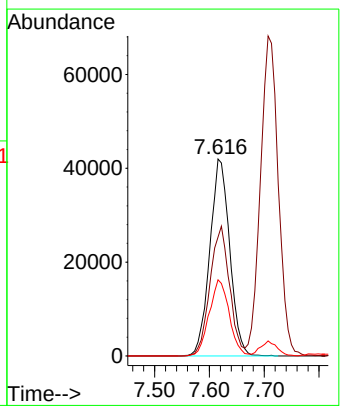


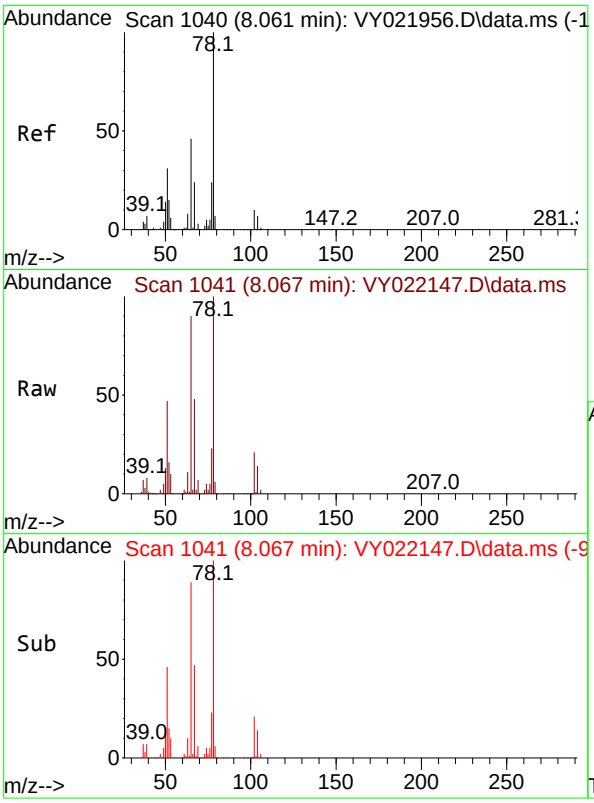


#32
1,1,1-Trichloroethane
Concen: 20.792 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 97 Resp: 105659

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	39.1	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 49.911 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 65 Resp: 13074

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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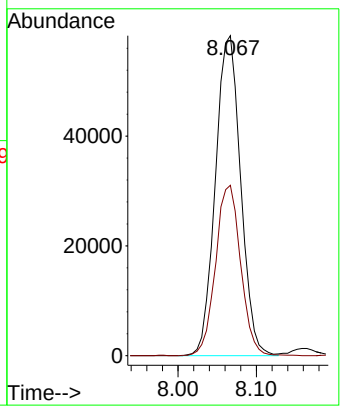
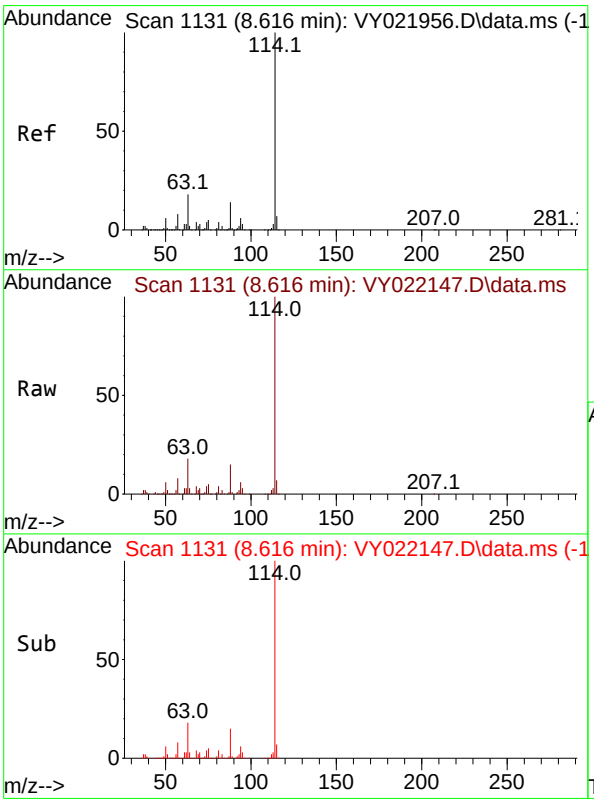
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

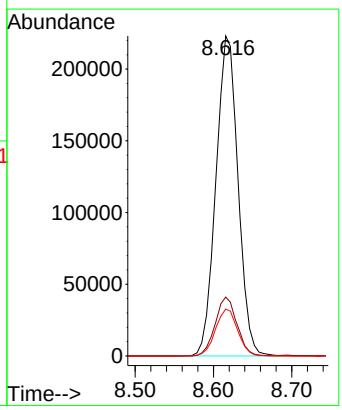


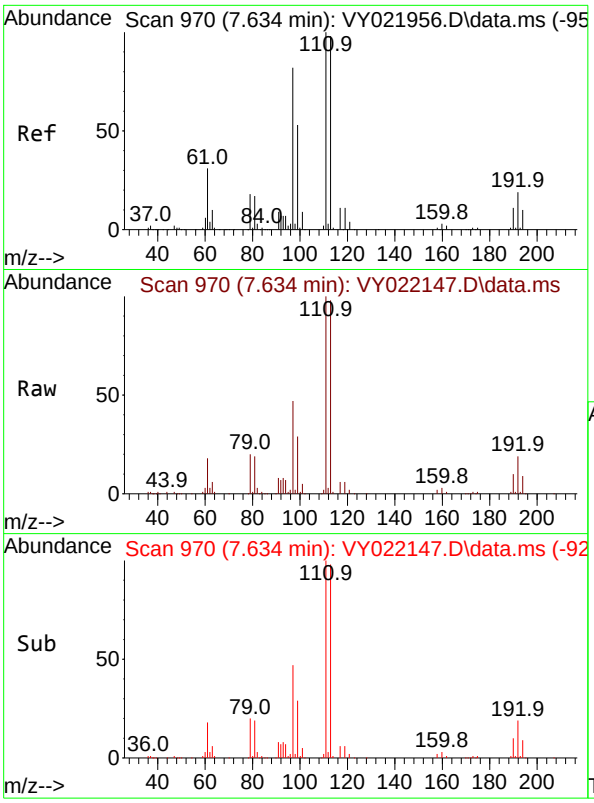


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:114 Resp: 437631

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.4
88	14.6	0.0	28.2

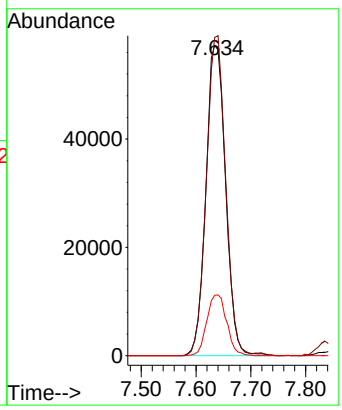




#35
Dibromofluoromethane
Concen: 49.386 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:113 Resp: 14278

Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.8	122.8
192	19.7	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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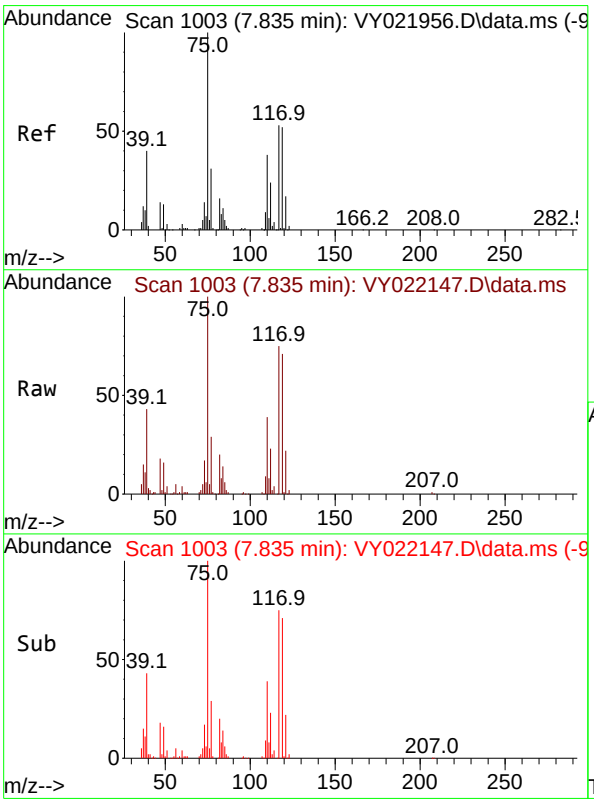
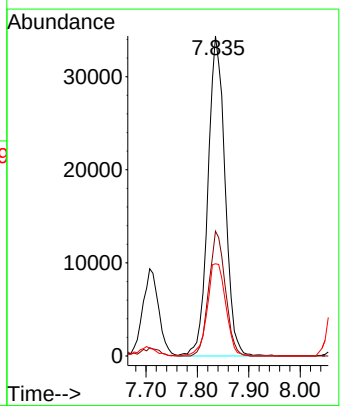
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

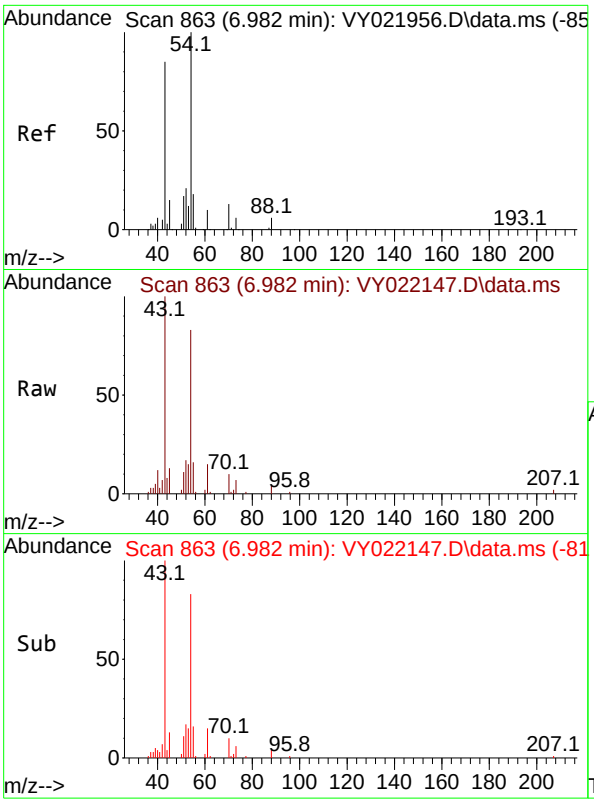


#36
1,1-Dichloropropene
Concen: 20.383 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 79161

Ion	Ratio	Lower	Upper
75	100		
110	37.8	19.1	57.3
77	31.4	25.5	38.3





#37
Ethyl Acetate
Concen: 18.778 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 2619

Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.8	20.6
70	12.3	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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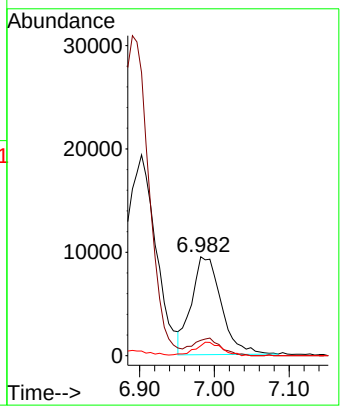
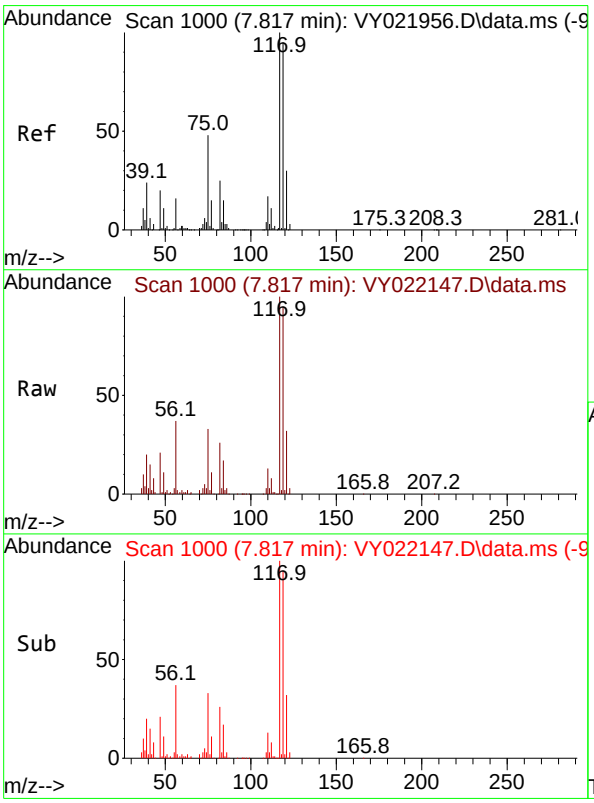
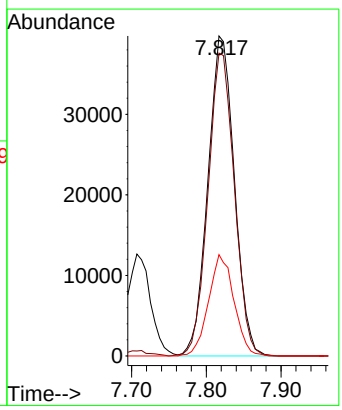


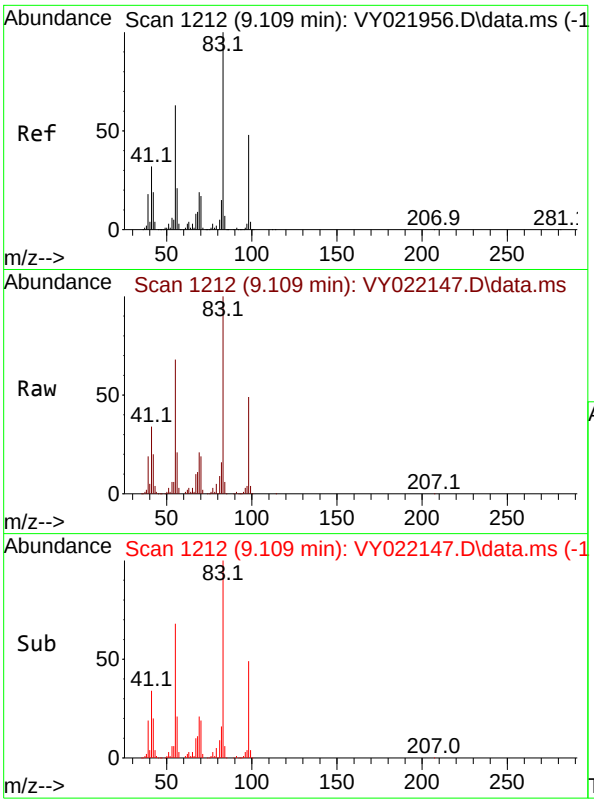


#38
Carbon Tetrachloride
Concen: 21.100 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:117 Resp: 97921

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.2	114.4
121	31.7	24.0	36.0





#39
Methylcyclohexane
Concen: 19.723 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 83 Resp: 9639

Ion	Ratio	Lower	Upper
83	100		
55	67.9	50.6	75.8
98	49.4	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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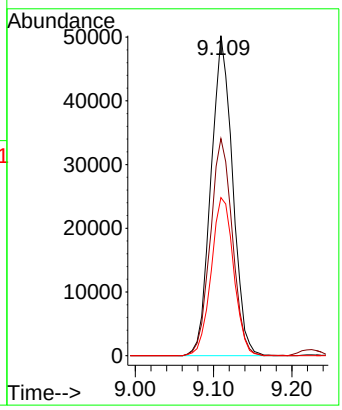
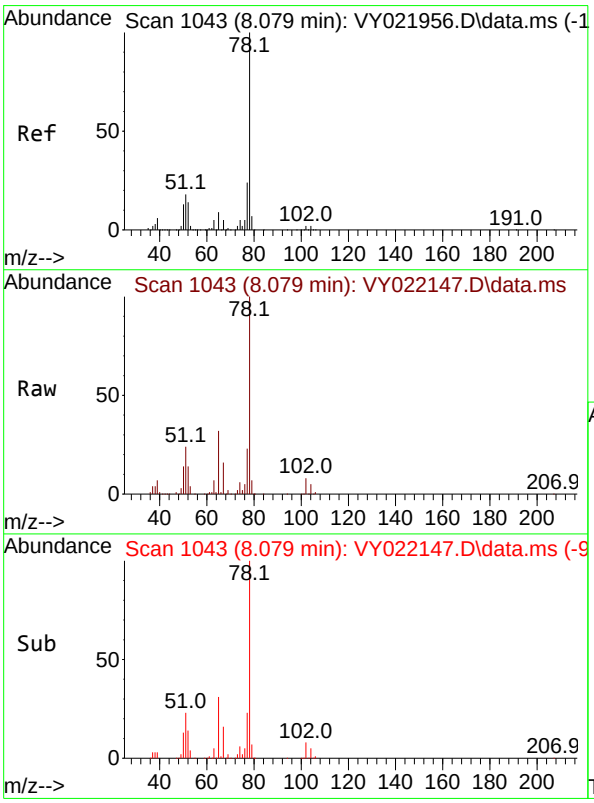
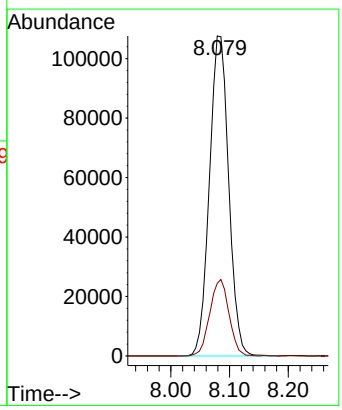


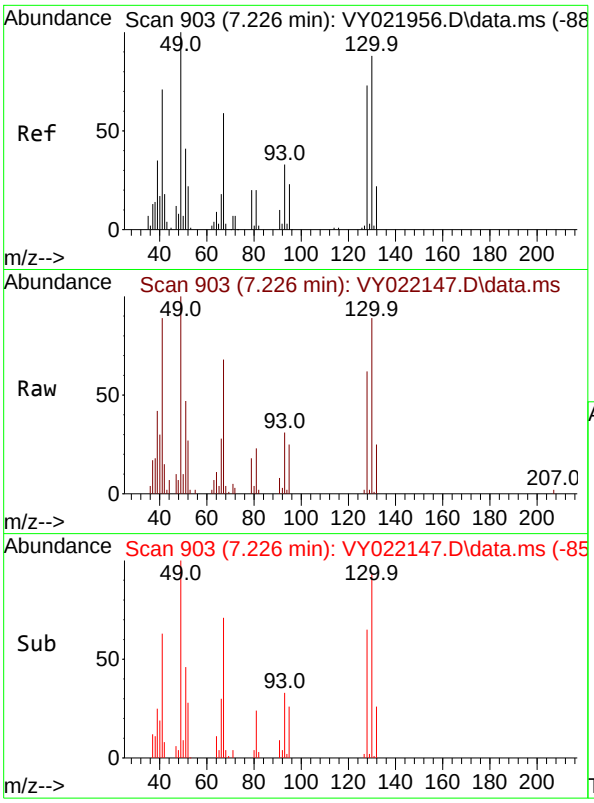


#40
Benzene
Concen: 20.191 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 78 Resp: 245125

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.3	28.9

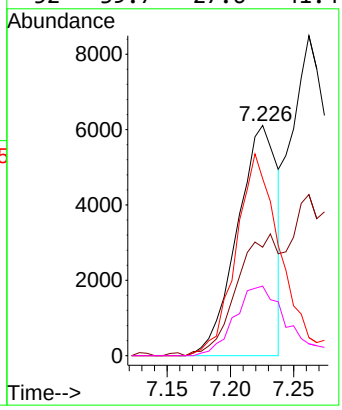




#41
Methacrylonitrile
Concen: 17.581 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 41 Resp: 1340

Ion	Ratio	Lower	Upper
41	100		
39	54.8	36.6	55.0
67	97.8	72.2	108.4
52	39.7	27.6	41.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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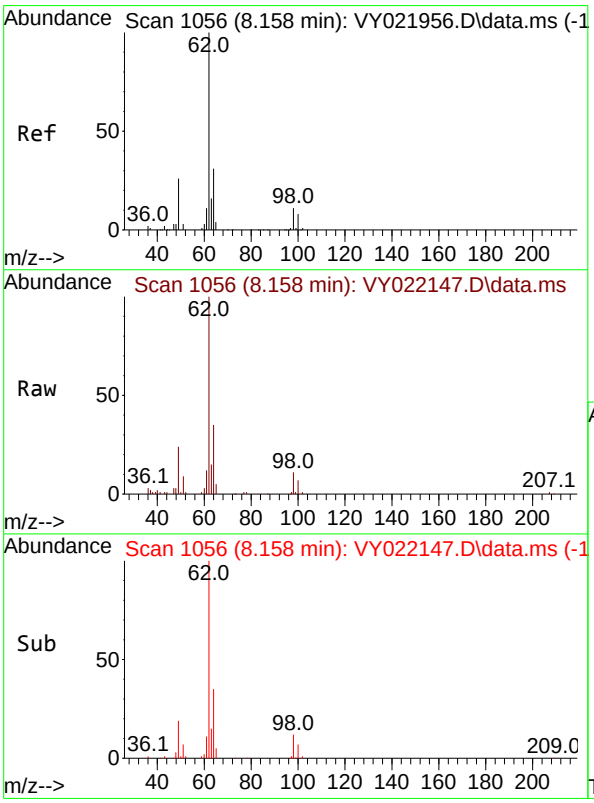
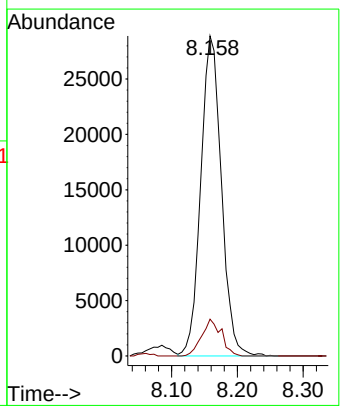
Supervised By :Semsettin Yesilyurt 05/06/2025

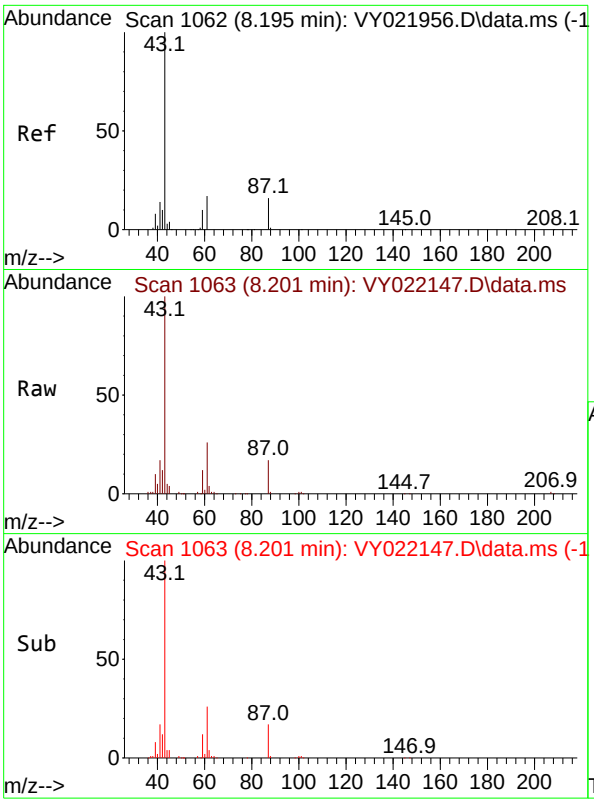


#42
1,2-Dichloroethane
Concen: 20.983 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 62 Resp: 63069

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0

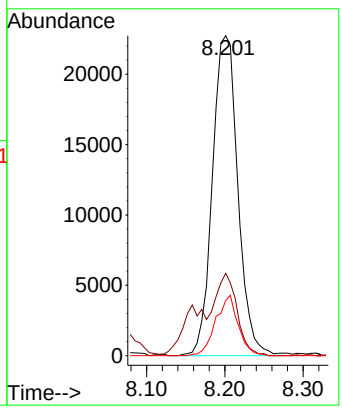




#43
Isopropyl Acetate
Concen: 19.211 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 5146

Ion	Ratio	Lower	Upper
43	100		
61	22.7	18.9	28.3
87	16.6	13.7	20.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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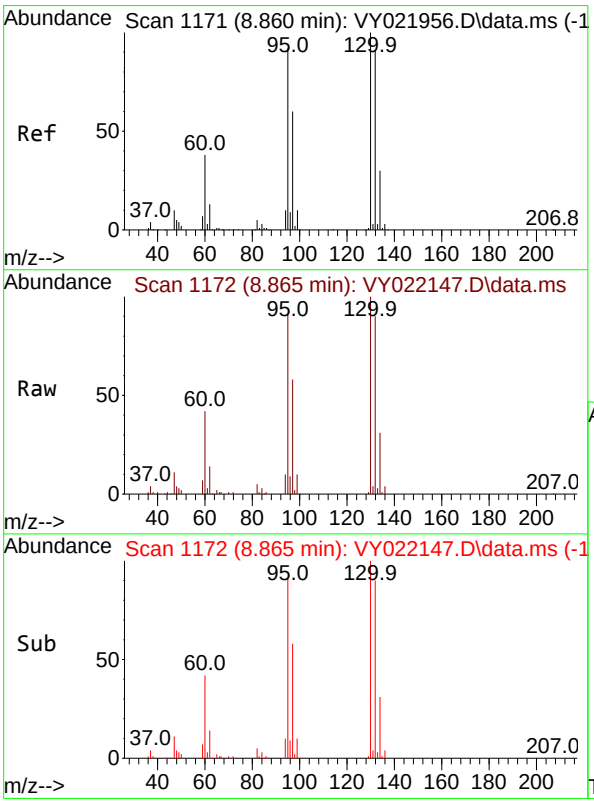
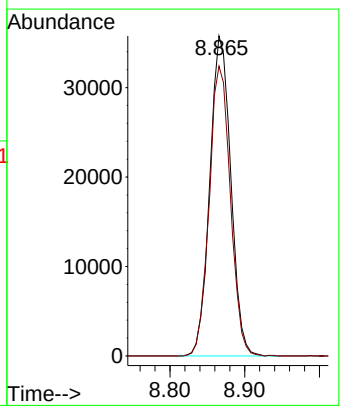
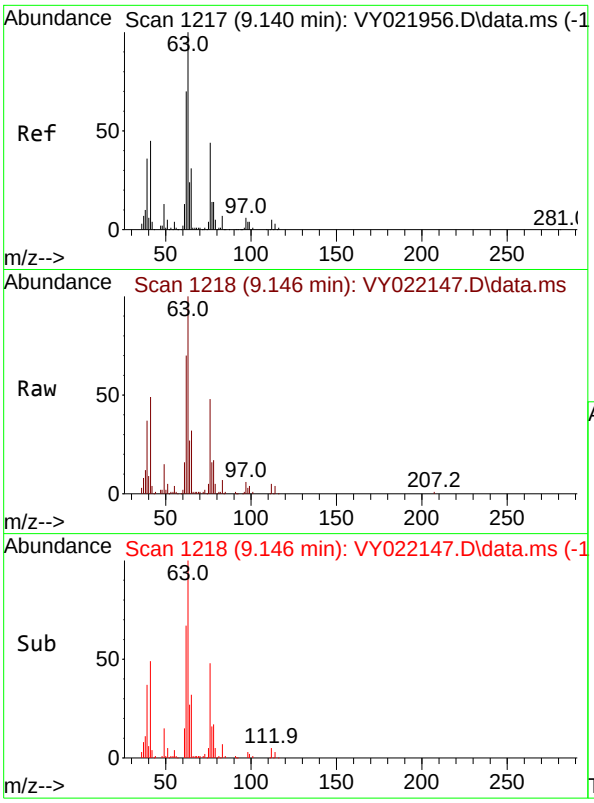


#44
Trichloroethene
Concen: 20.727 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:130 Resp: 69699

Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	183.2





#45
1,2-Dichloropropane
Concen: 20.315 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 63 Resp: 5454

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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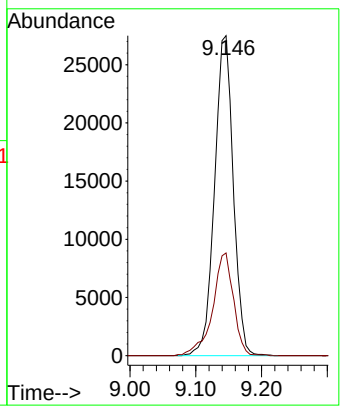
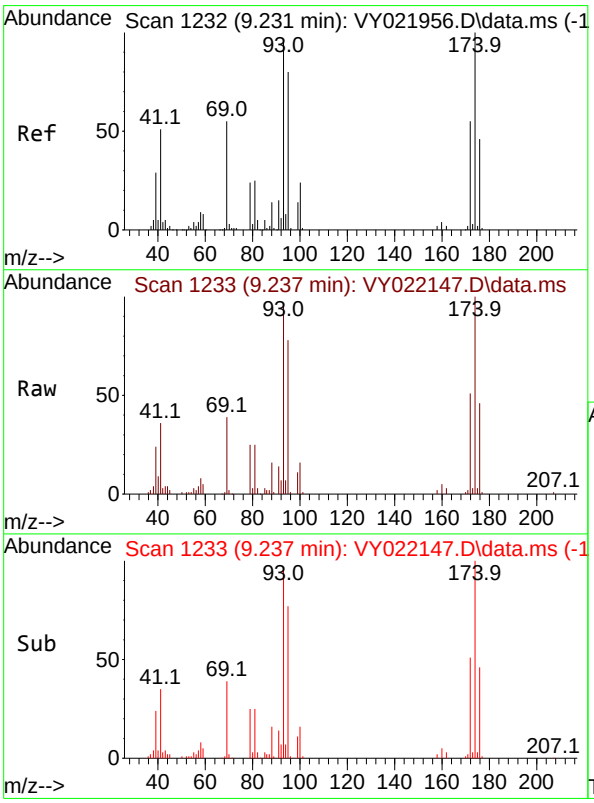
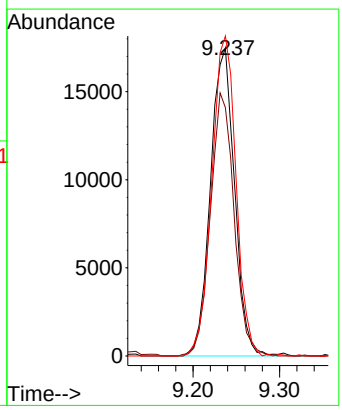


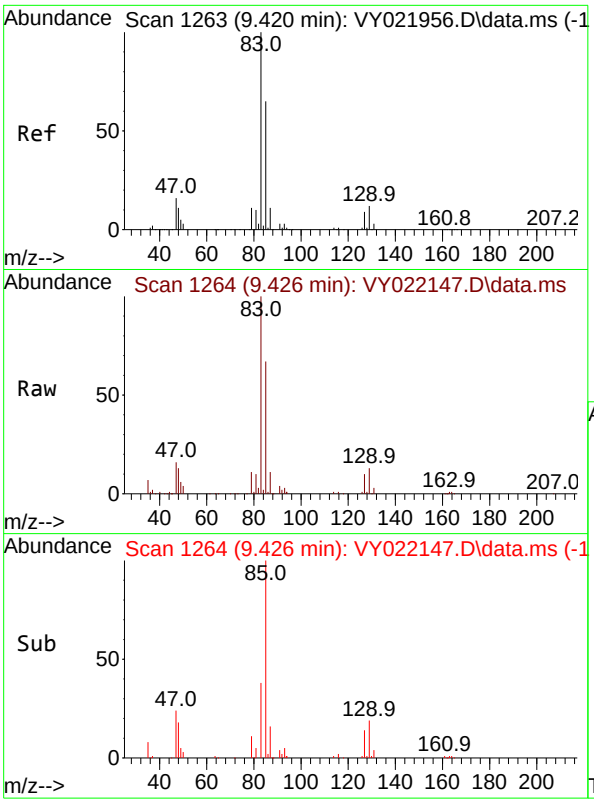


#46
Dibromomethane
Concen: 20.079 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 93 Resp: 33746

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.7	100.1
174	104.3	84.6	127.0

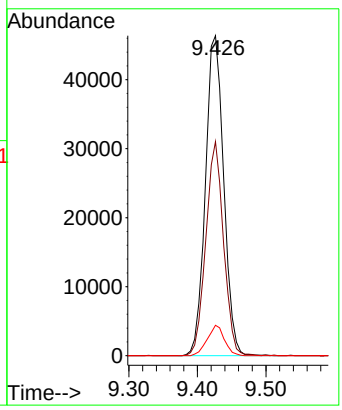




#47
Bromodichloromethane
Concen: 20.515 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 83 Resp: 8613

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.8
127	9.5	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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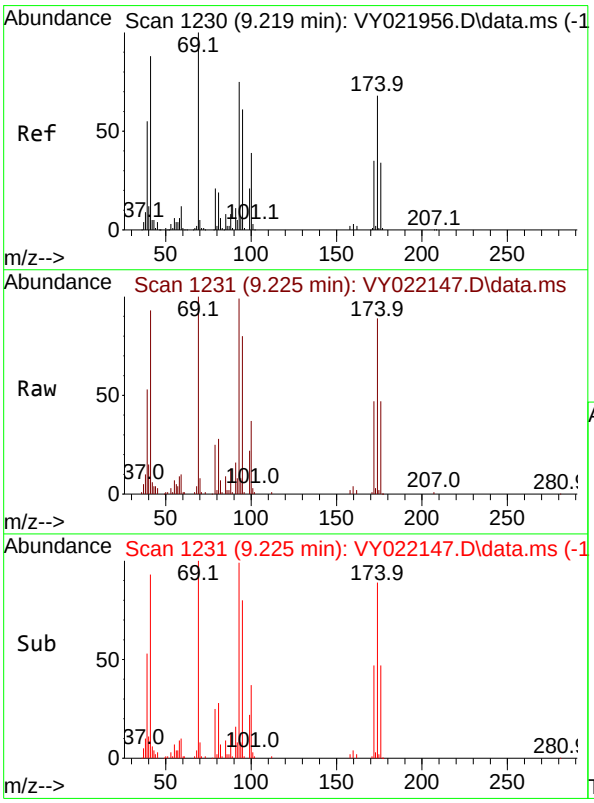
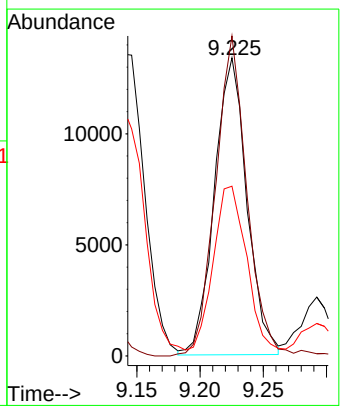
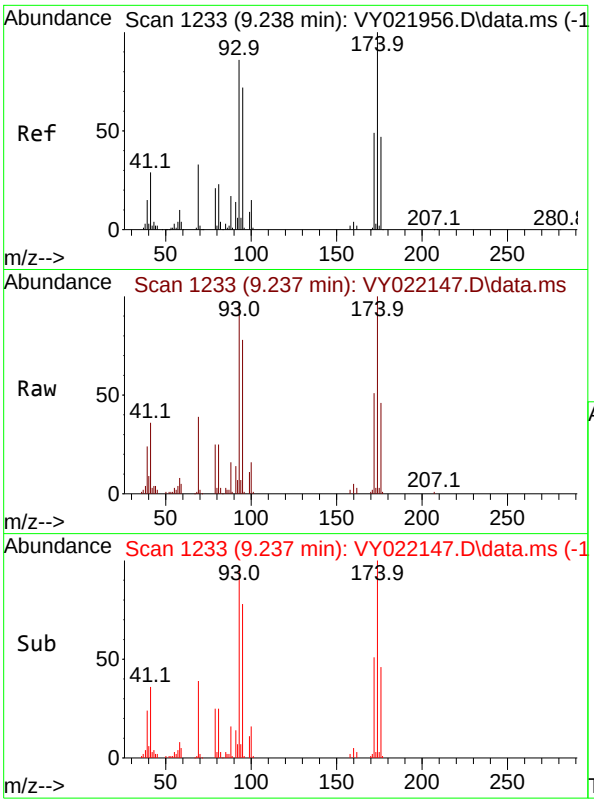


#48
Methyl methacrylate
Concen: 19.301 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 41 Resp: 23901

Ion	Ratio	Lower	Upper
41	100		
69	103.4	85.5	128.3
39	56.1	46.2	69.4





#49
1,4-Dioxane
Concen: 358.012 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 88 Resp: 641

Ion	Ratio	Lower	Upper
88	100		
43	28.7	21.3	31.9
58	68.0	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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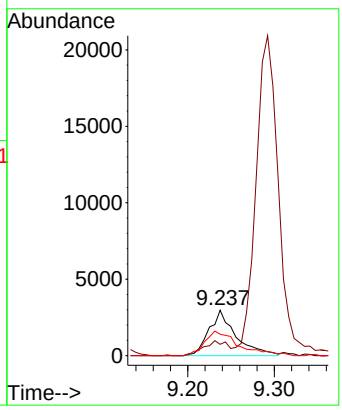
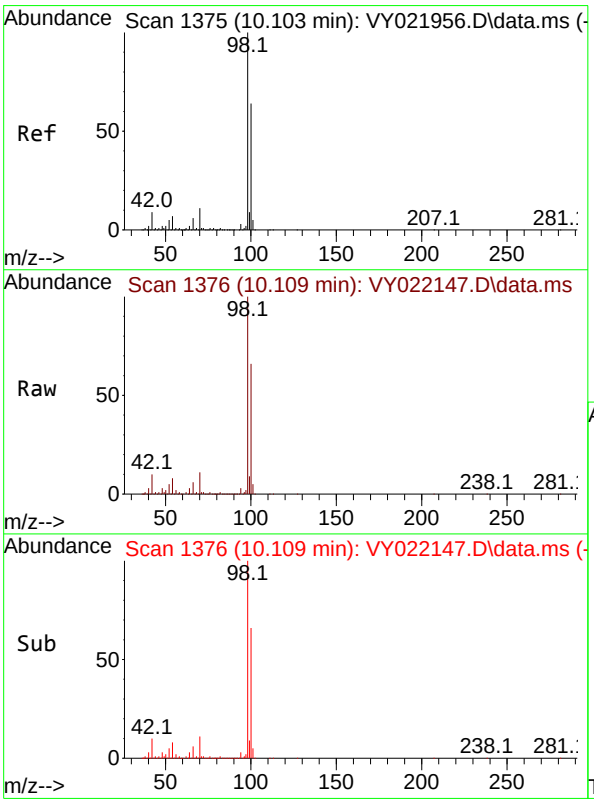
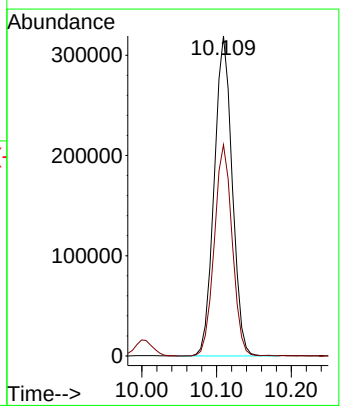


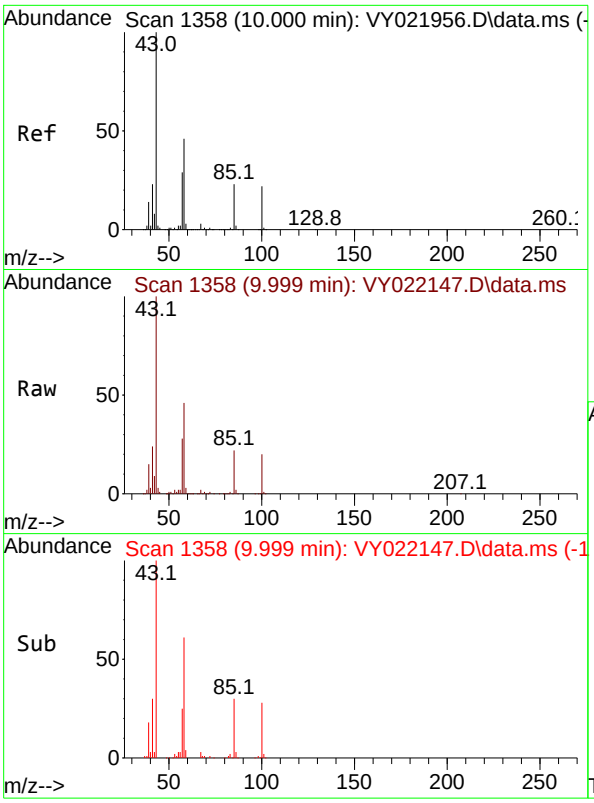


#50
Toluene-d8
Concen: 48.941 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 98 Resp: 533457

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4

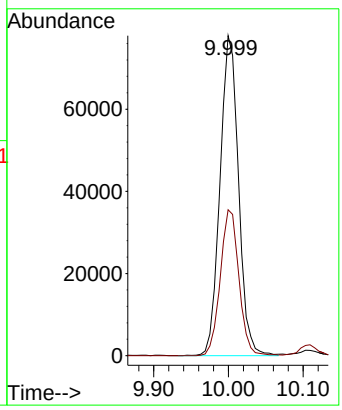




#51
4-Methyl-2-Pentanone
Concen: 95.622 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 13427

Ion	Ratio	Lower	Upper
43	100		
58	45.8	36.6	55.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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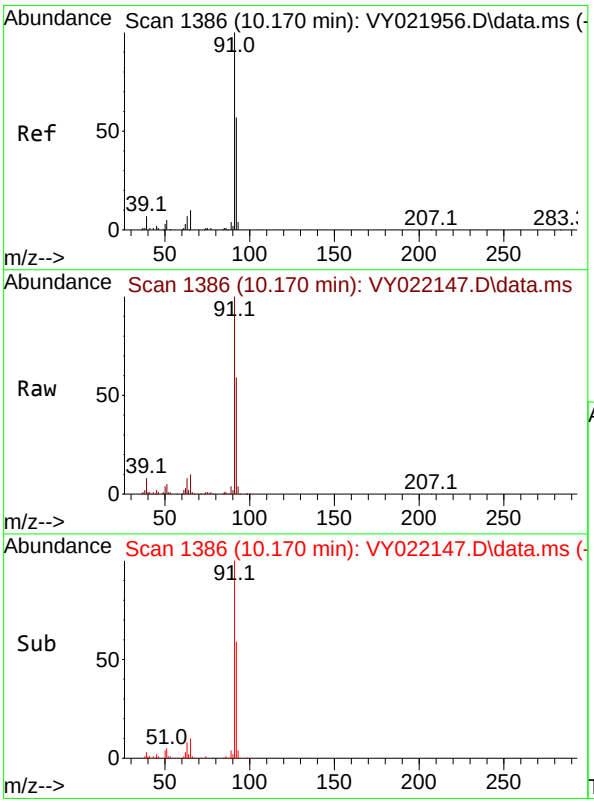
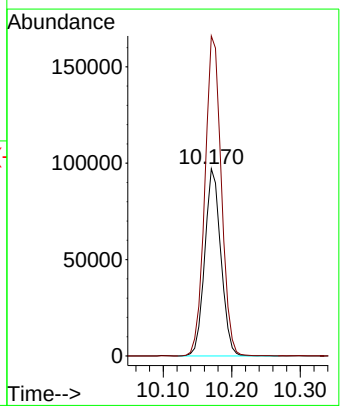
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

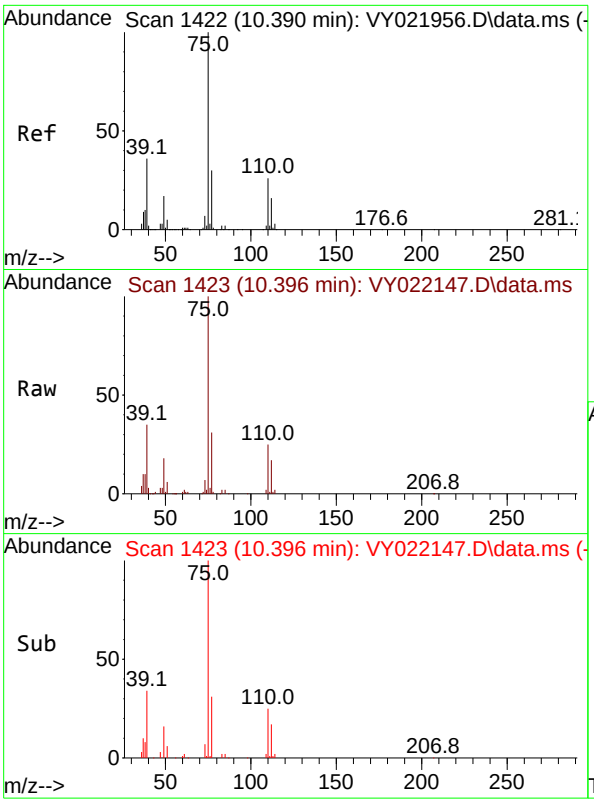


#52
Toluene
Concen: 20.231 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 92 Resp: 158982

Ion	Ratio	Lower	Upper
92	100		
91	174.1	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 20.194 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 7272

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
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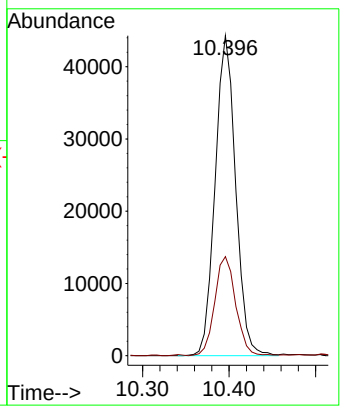
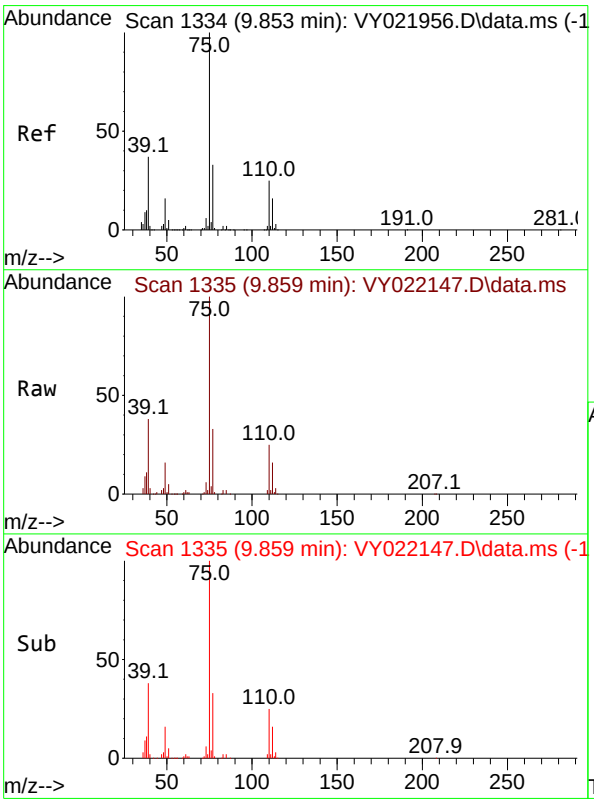
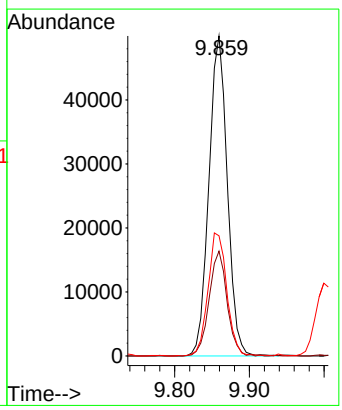


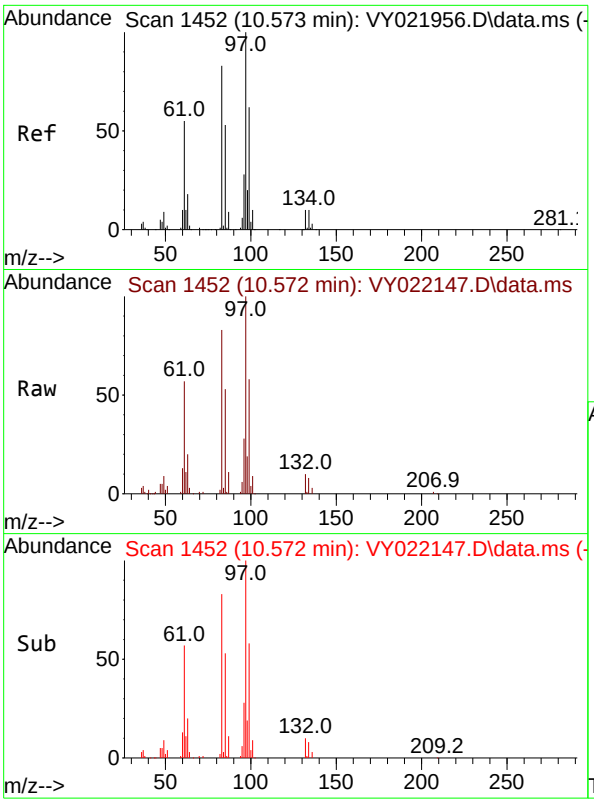


#54
cis-1,3-Dichloropropene
Concen: 20.017 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 85689

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.6	40.0
39	37.4	29.6	44.4

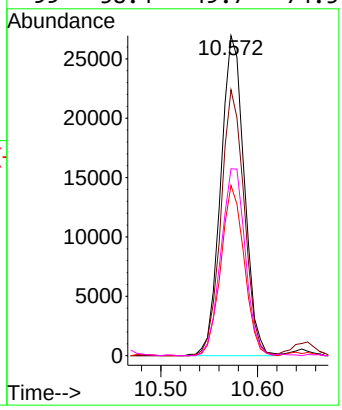




#55
1,1,2-Trichloroethane
Concen: 20.329 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 97 Resp: 4563

Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.7	100.1
85	53.2	42.6	64.0
99	58.4	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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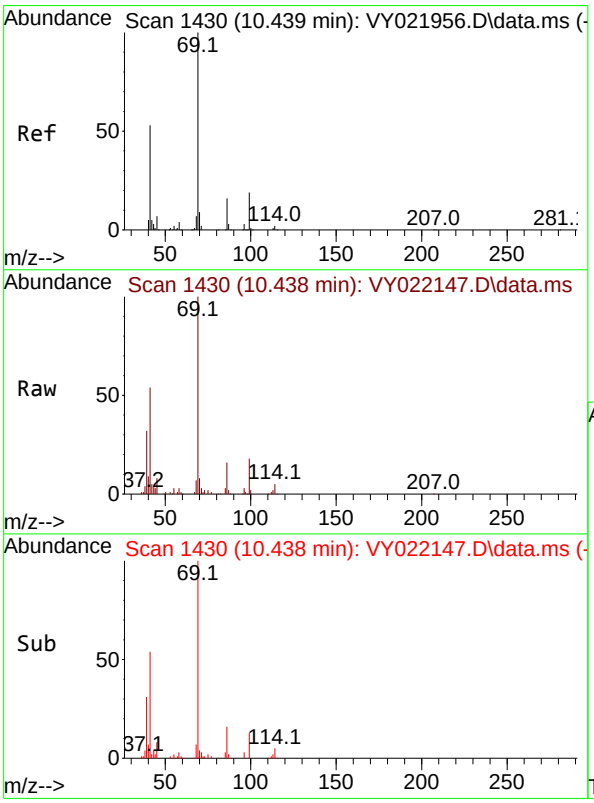
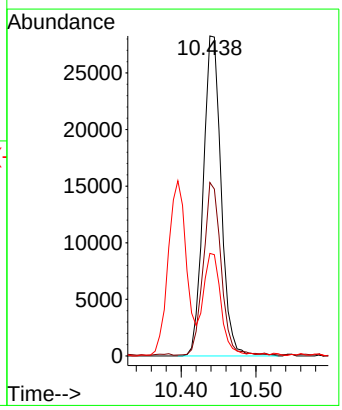
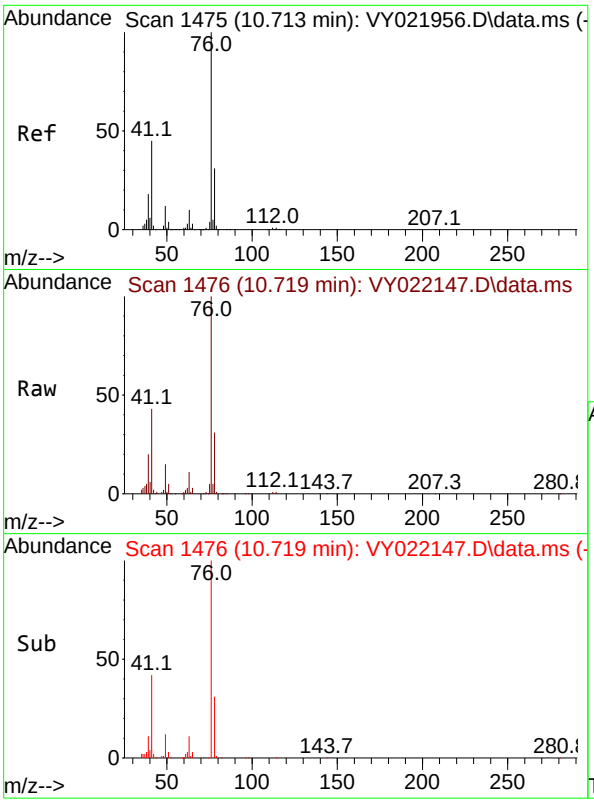


#56
Ethyl methacrylate
Concen: 18.264 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 69 Resp: 46887

Ion	Ratio	Lower	Upper
69	100		
41	53.4	40.7	61.1
39	30.8	23.3	34.9





#57
1,3-Dichloropropane
Concen: 20.052 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 76 Resp: 7216

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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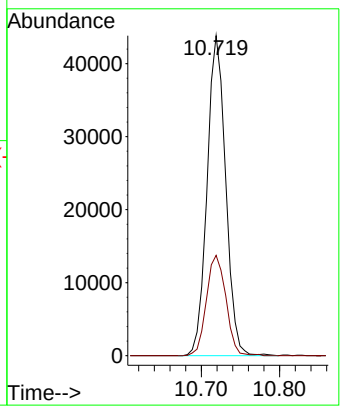
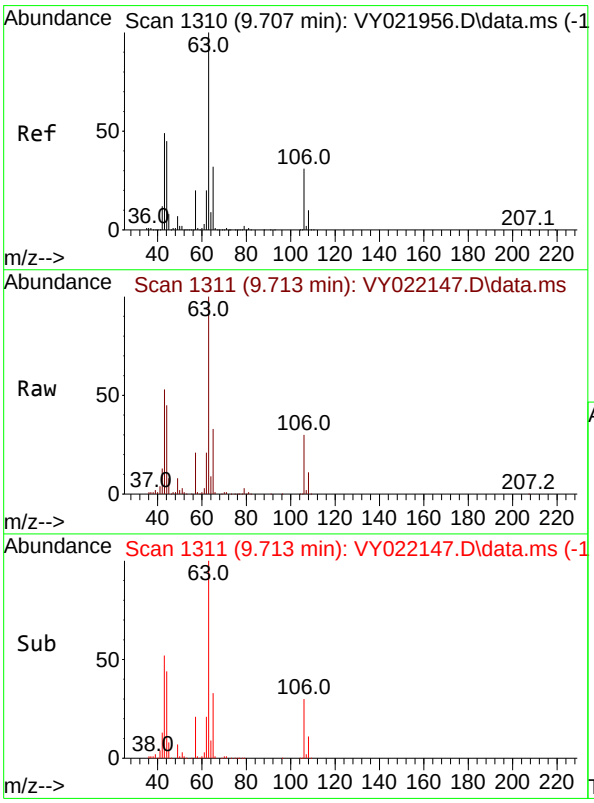
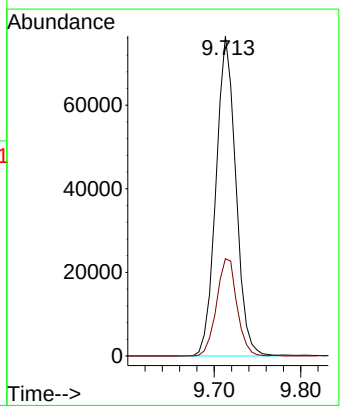


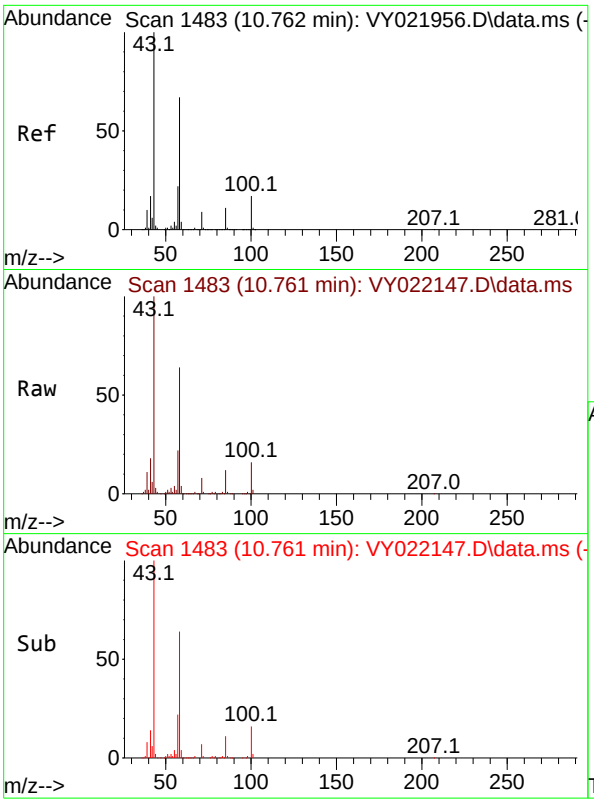


#58
2-Chloroethyl Vinyl ether
Concen: 96.924 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 63 Resp: 121659

Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.3	37.9





#59
2-Hexanone
Concen: 92.884 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 8602

Ion	Ratio	Lower	Upper
43	100		
58	61.7	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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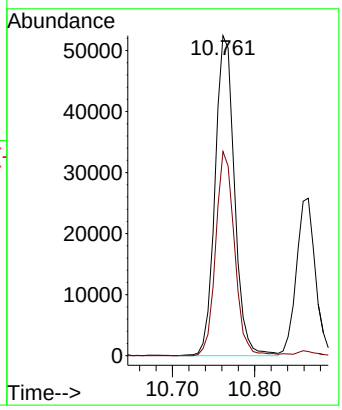
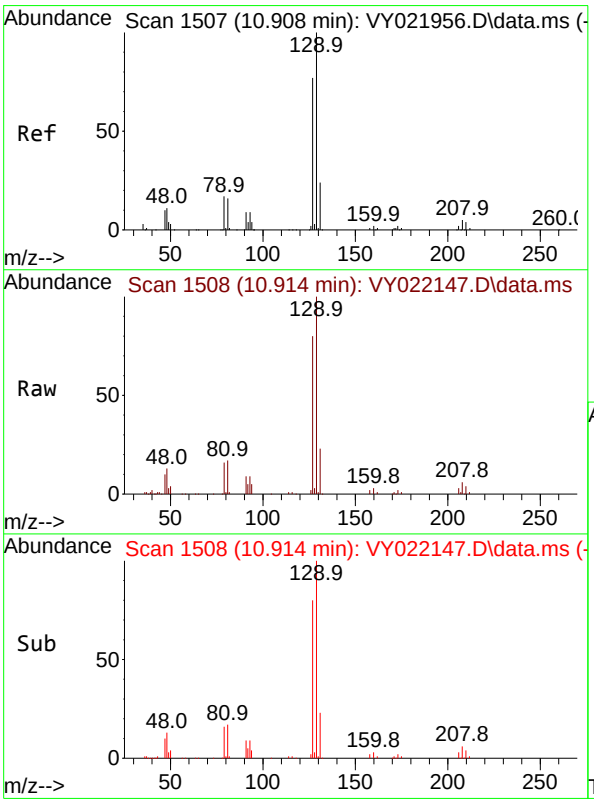
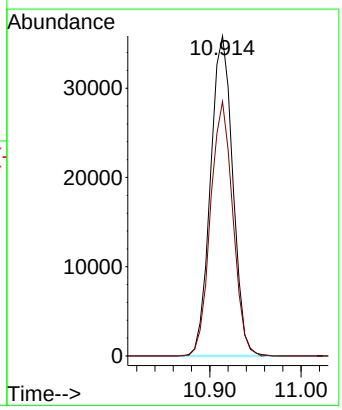


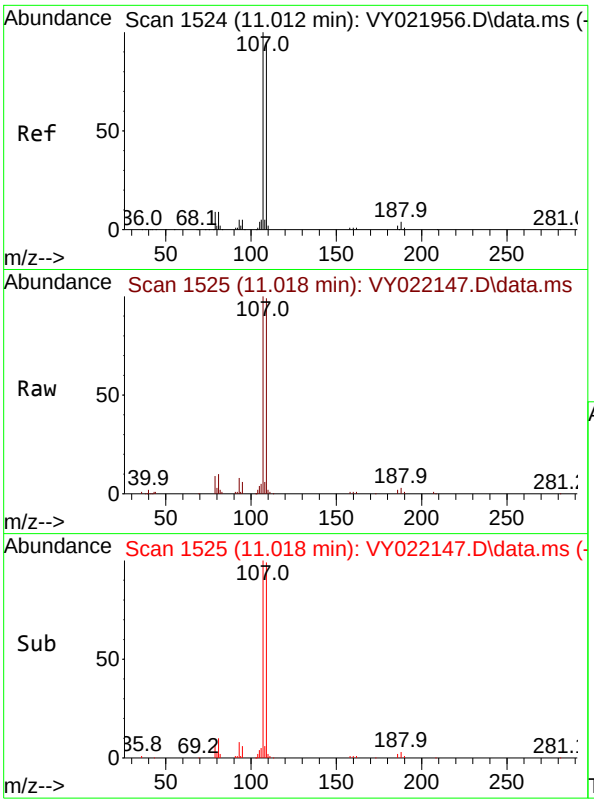


#60
Dibromochloromethane
Concen: 19.509 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:129 Resp: 60636

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.3

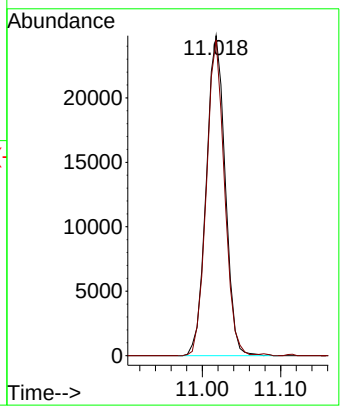




#61
1,2-Dibromoethane
Concen: 19.572 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:107 Resp: 4148

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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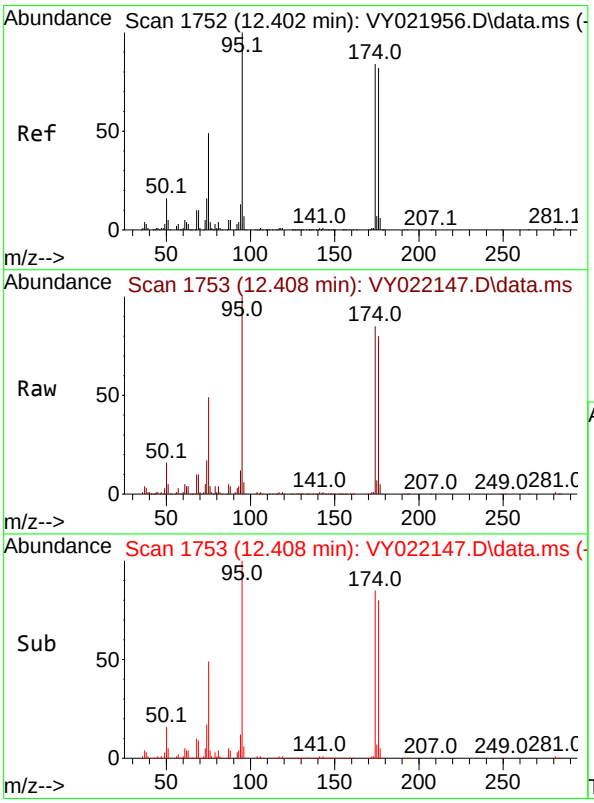
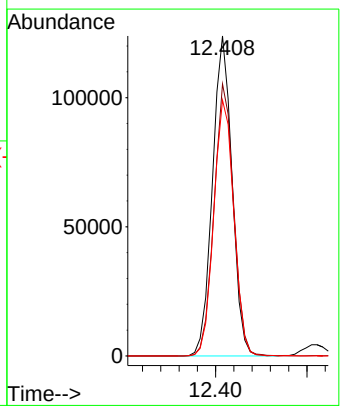
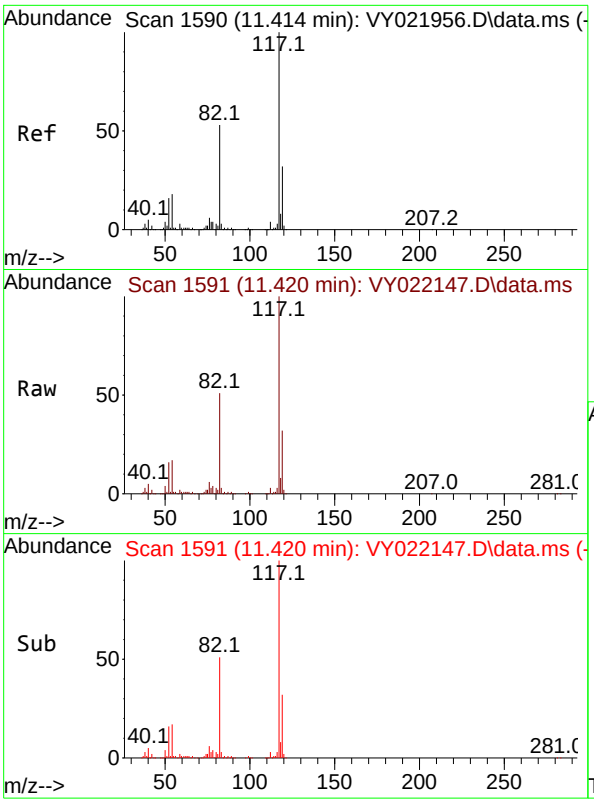


#62
4-Bromofluorobenzene
Concen: 50.125 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 95 Resp: 183926

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	179.0
176	82.2	0.0	171.8

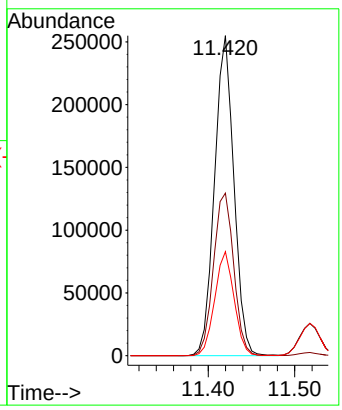




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:117 Resp: 39597

Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.1	63.1
119	32.5	25.7	38.5



Instrument :
MSVOA_Y
ClientSampleId :
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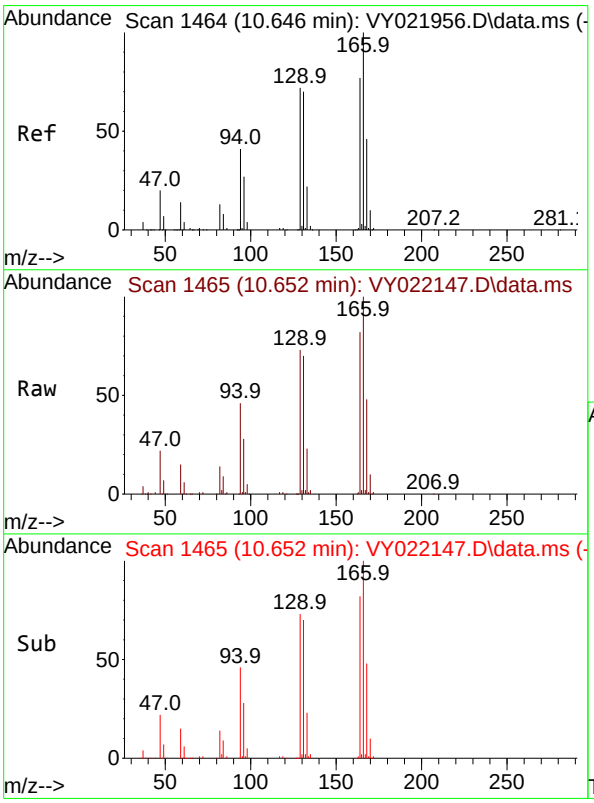
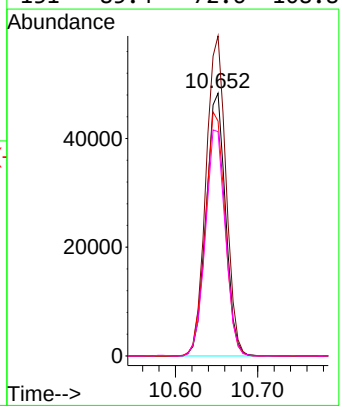
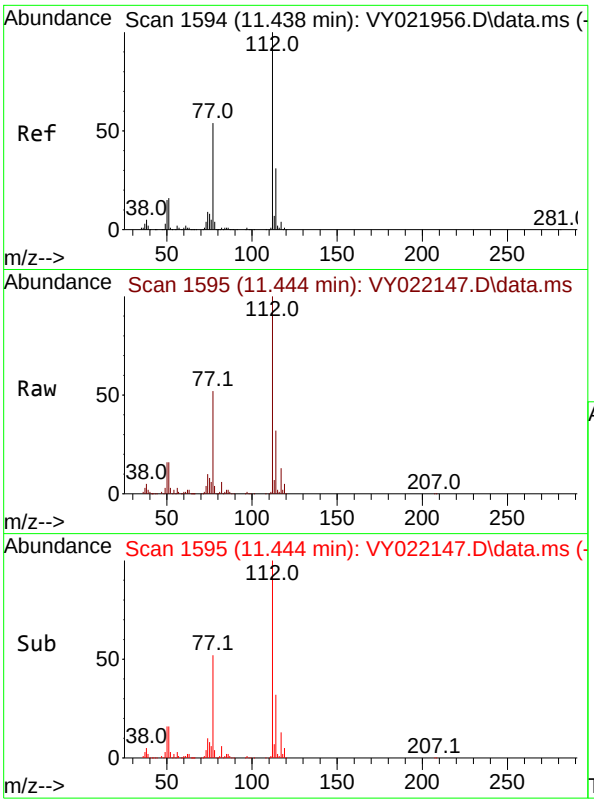


#64
Tetrachloroethene
Concen: 21.251 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:164 Resp: 79383

Ion	Ratio	Lower	Upper
164	100		
166	121.8	103.6	155.4
129	89.4	74.2	111.4
131	85.4	72.6	108.8

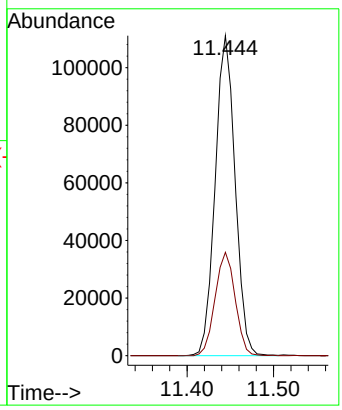




#65
Chlorobenzene
Concen: 20.038 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:112 Resp: 17743

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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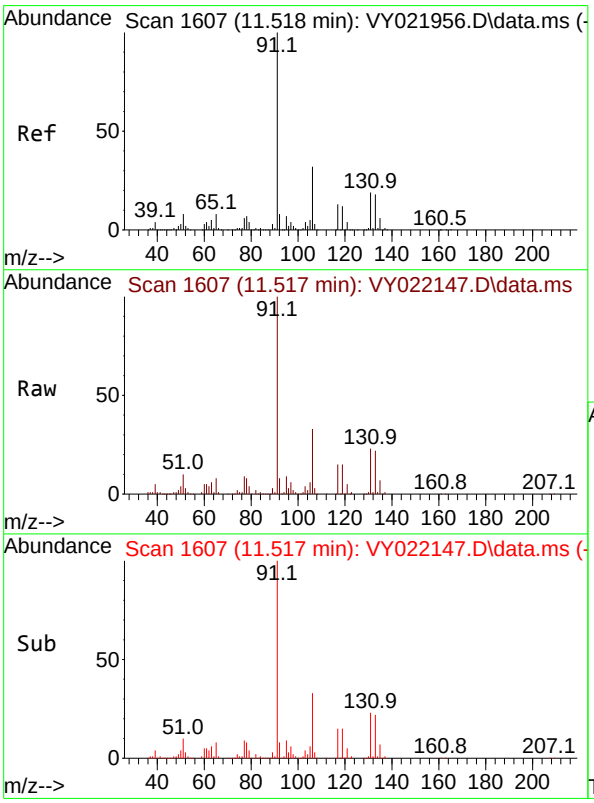
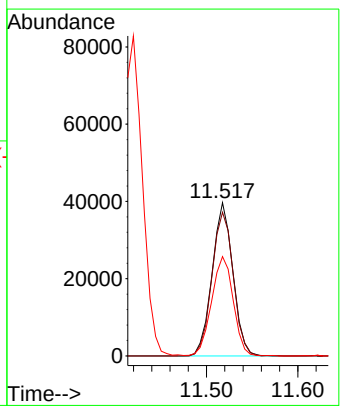
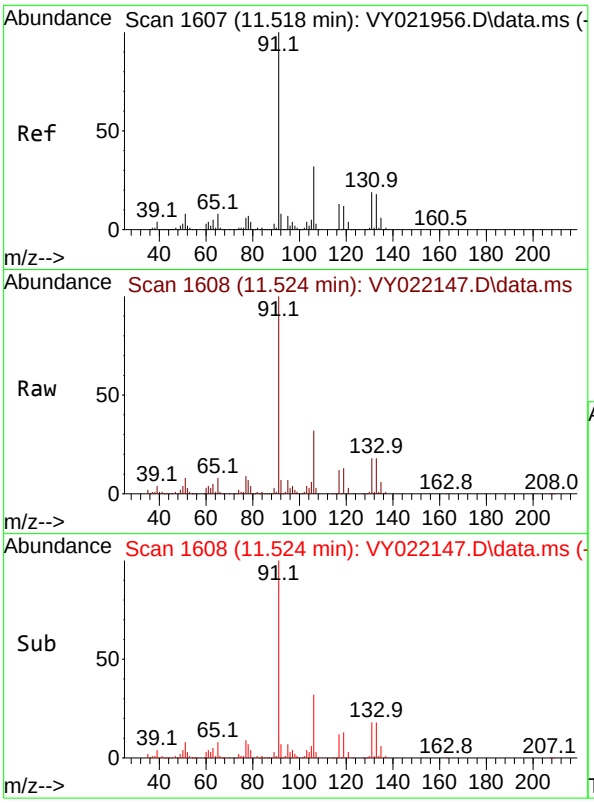


#66
1,1,1,2-Tetrachloroethane
Concen: 20.042 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:131 Resp: 62480

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.8	143.3
119	67.7	32.4	97.0





#67
Ethyl Benzene
Concen: 19.639 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 28447

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
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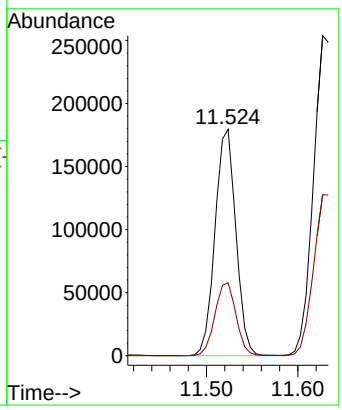
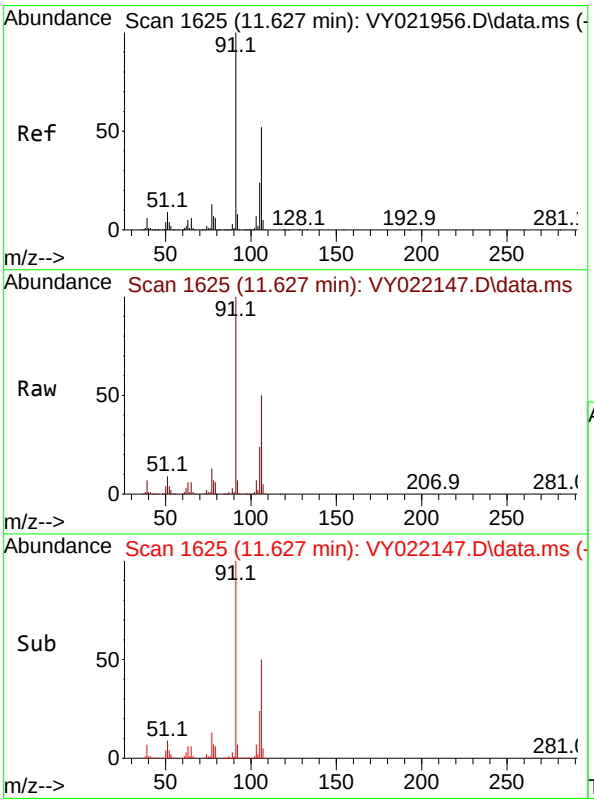
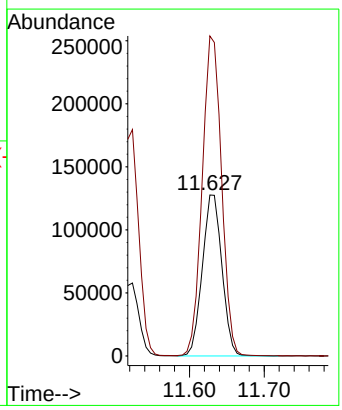


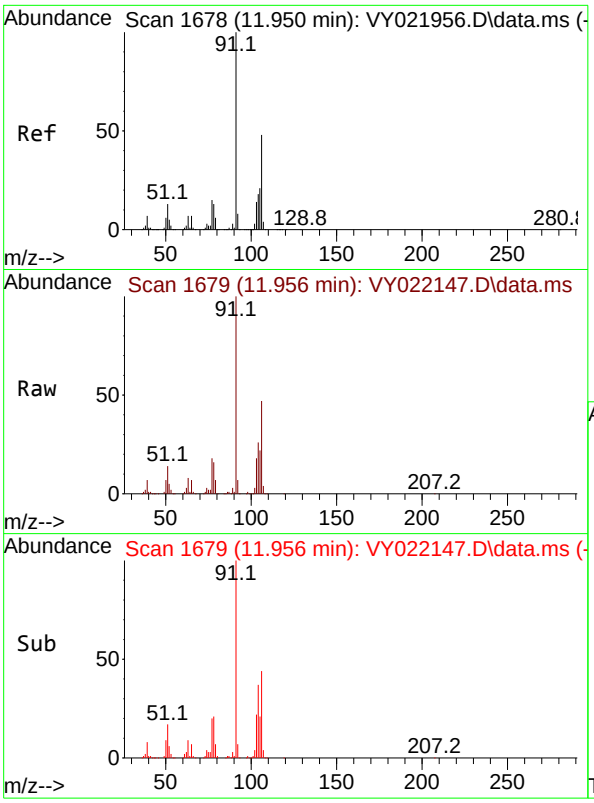


#68
m/p-Xylenes
Concen: 40.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:106 Resp: 232280

Ion	Ratio	Lower	Upper
106	100		
91	196.4	156.2	234.2





#69
o-Xylene
Concen: 19.902 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:106 Resp: 10573

Ion	Ratio	Lower	Upper
106	100		
91	207.7	103.0	308.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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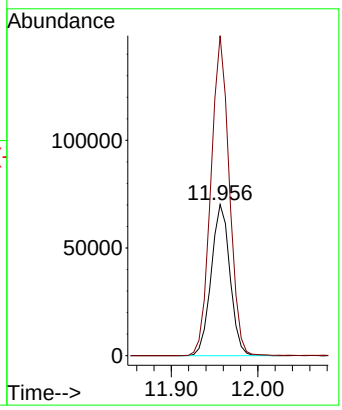
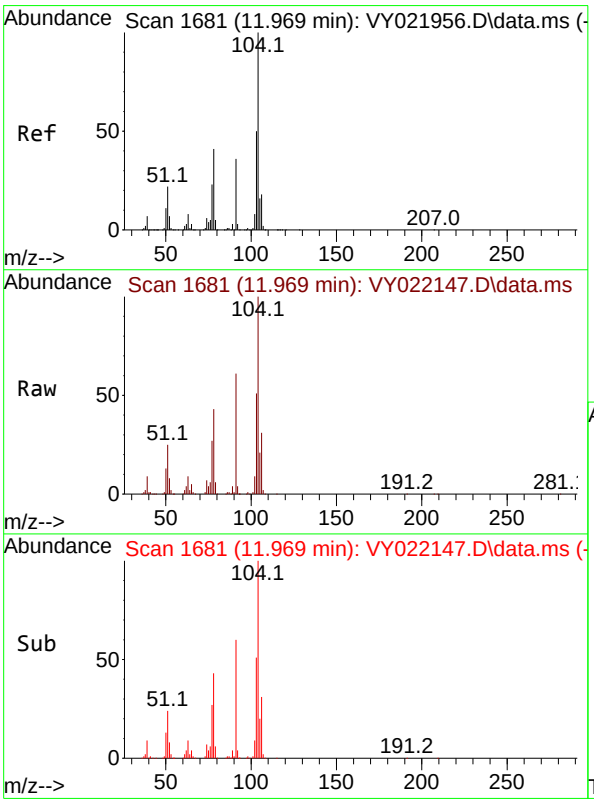
Supervised By :Semsettin Yesilyurt 05/06/2025

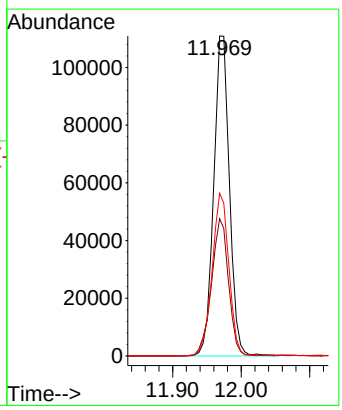


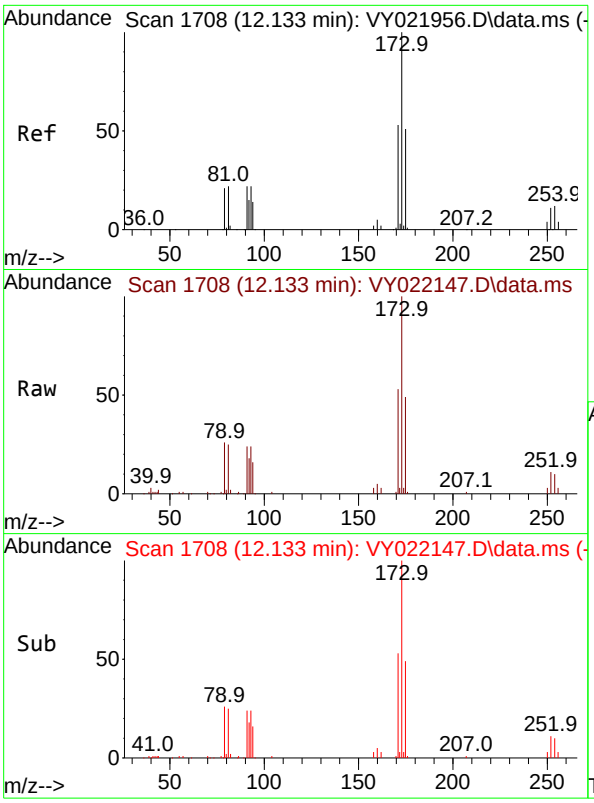


#70
Styrene
Concen: 19.824 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:104 Resp: 176830

Ion	Ratio	Lower	Upper
104	100		
78	46.6	36.6	54.8
103	54.4	43.8	65.8

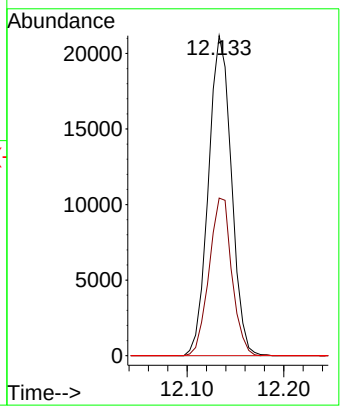




#71
Bromoform
Concen: 19.281 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:173 Resp: 3494

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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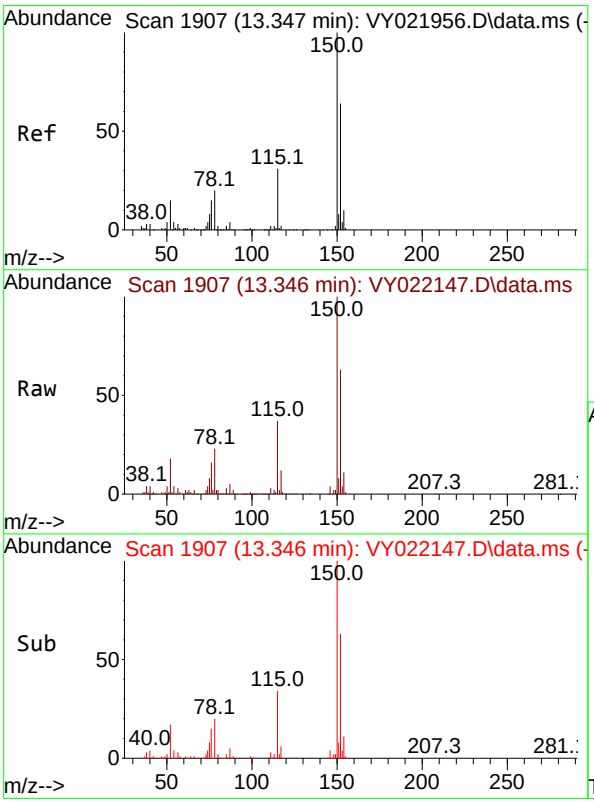
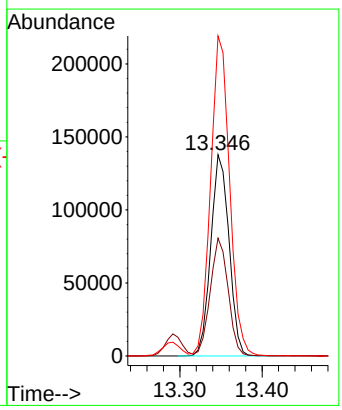
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

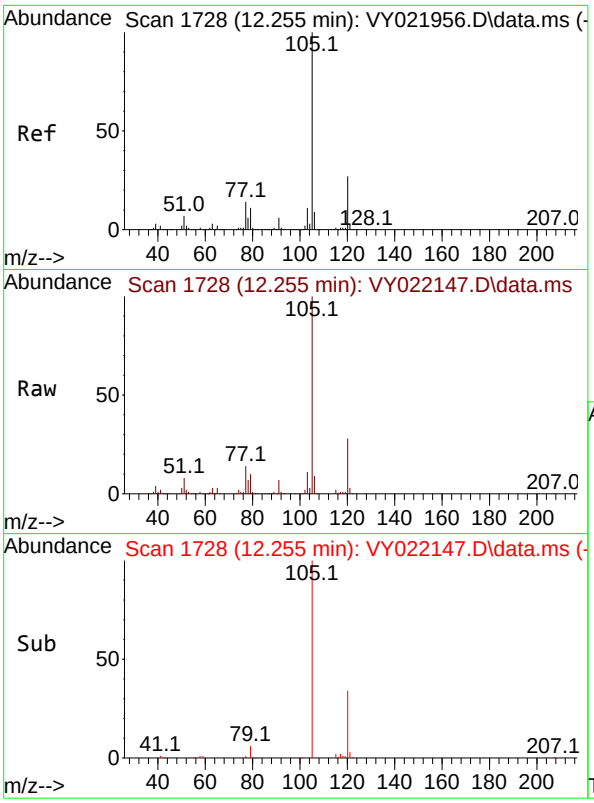


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:152 Resp: 212383

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.0	84.0
150	165.6	0.0	345.6





#73
Isopropylbenzene
Concen: 19.517 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:105 Resp: 27693

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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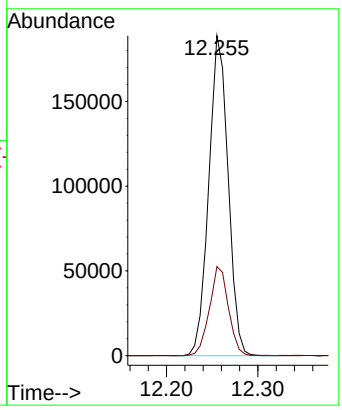
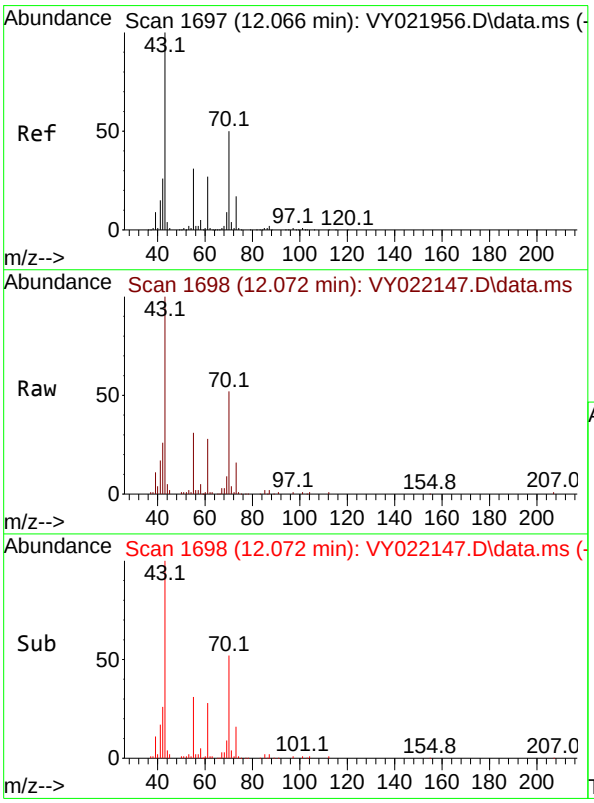
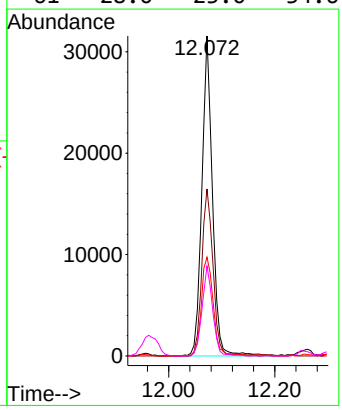


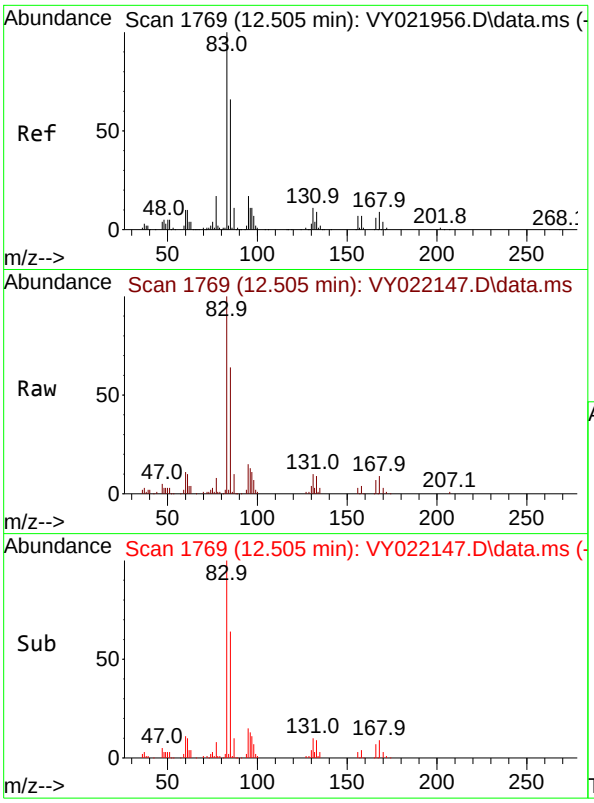


#74
N-amyl acetate
Concen: 18.014 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 43915

Ion	Ratio	Lower	Upper
43	100		
70	55.0	43.2	64.8
55	34.4	25.7	38.5
61	28.0	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 18.928 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 83 Resp: 4528

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	66.1	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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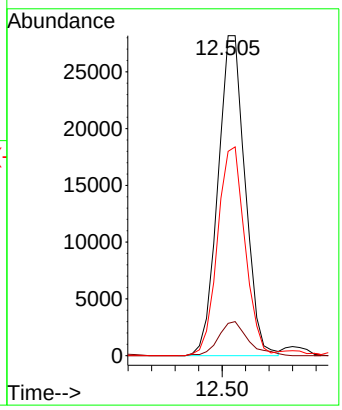
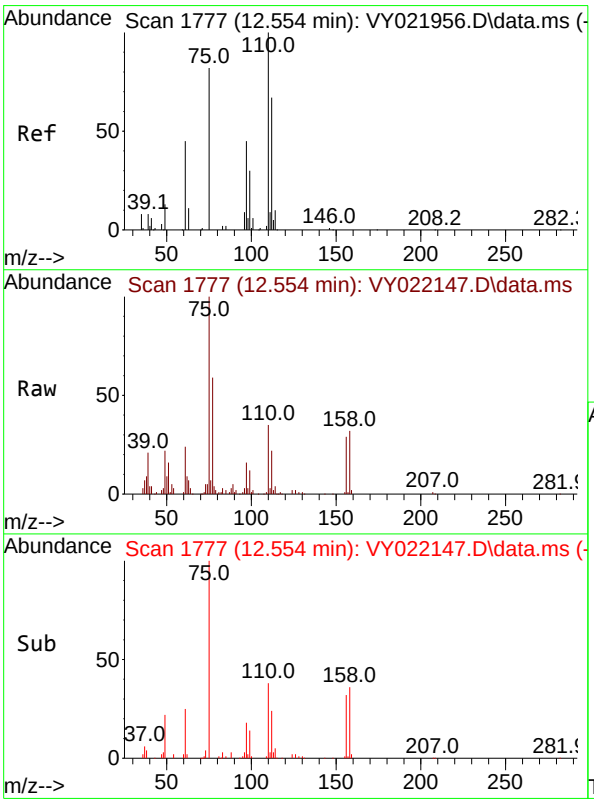
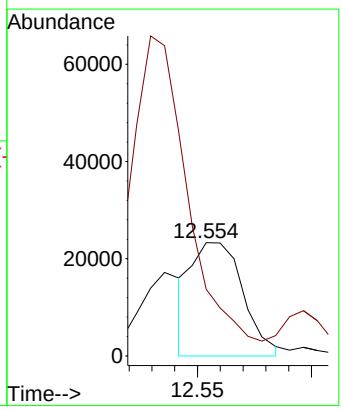


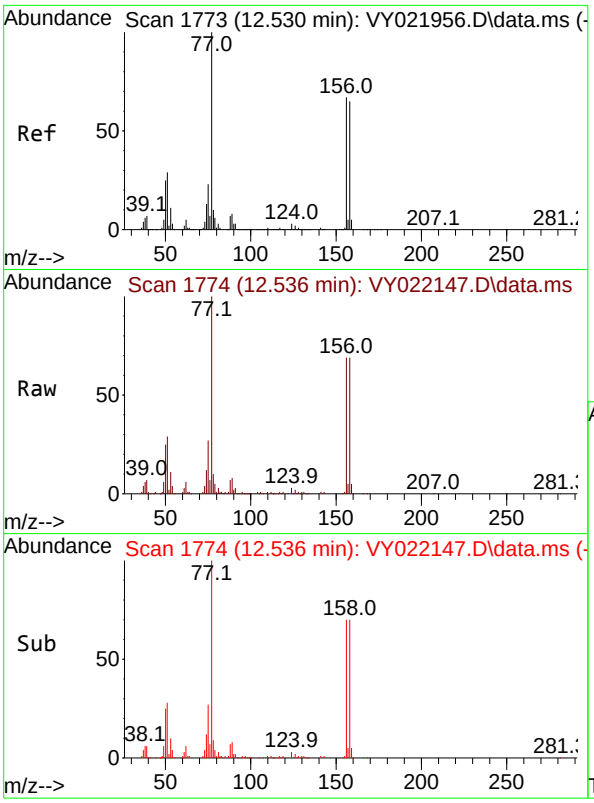


#76
1,2,3-Trichloropropane
Concen: 20.205 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 36757

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

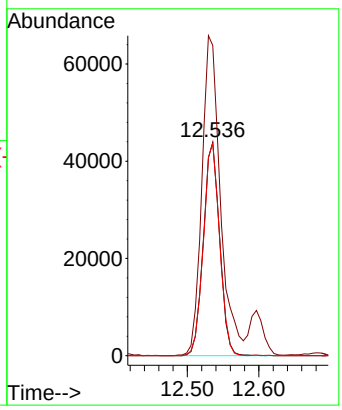




#77
Bromobenzene
Concen: 19.332 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:156 Resp: 6931

Ion	Ratio	Lower	Upper
156	100		
77	171.1	82.7	248.1
158	99.3	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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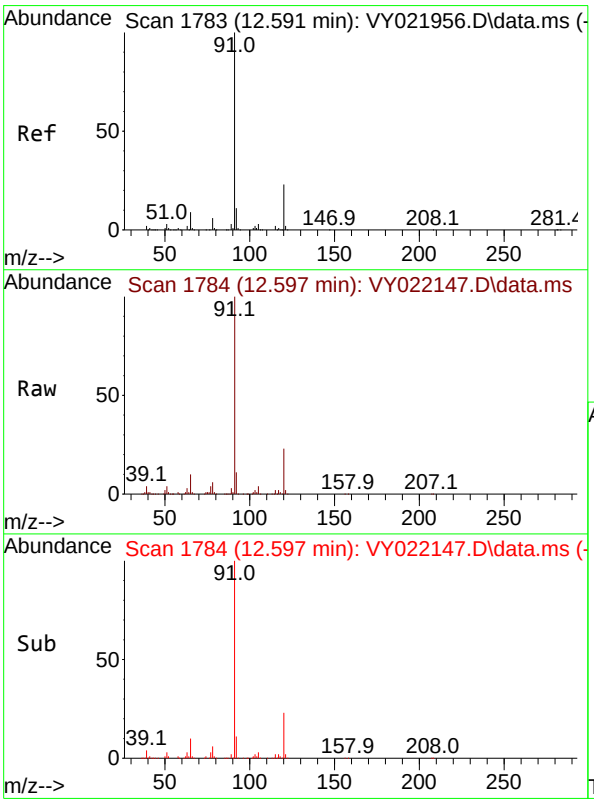
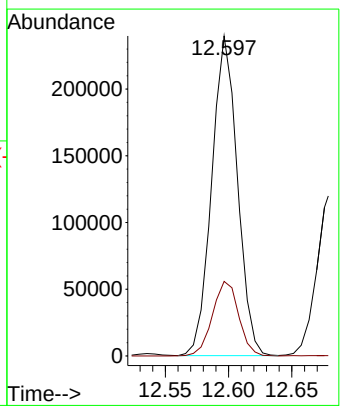
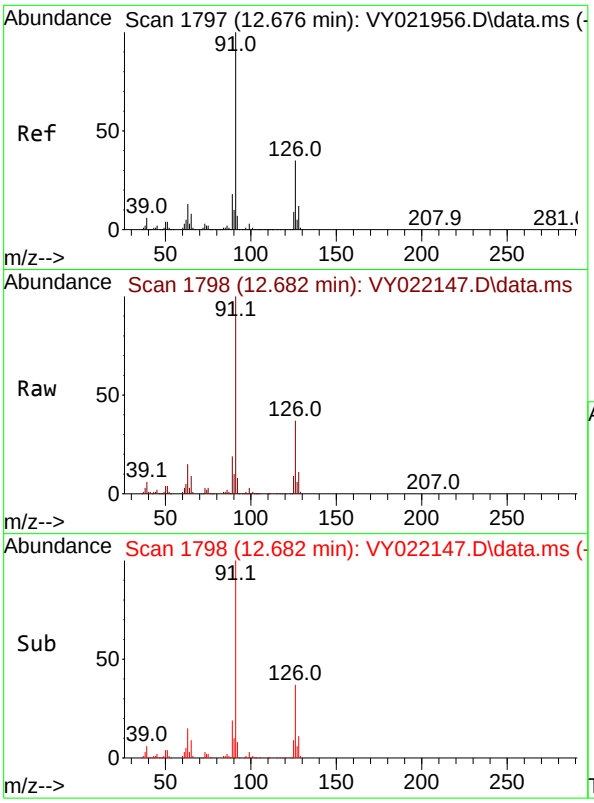


#78
n-propylbenzene
Concen: 20.055 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 338881

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5

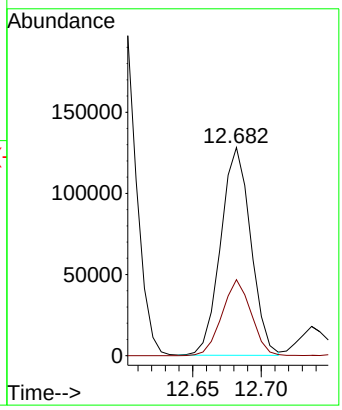




#79
2-Chlorotoluene
Concen: 19.923 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 19579

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

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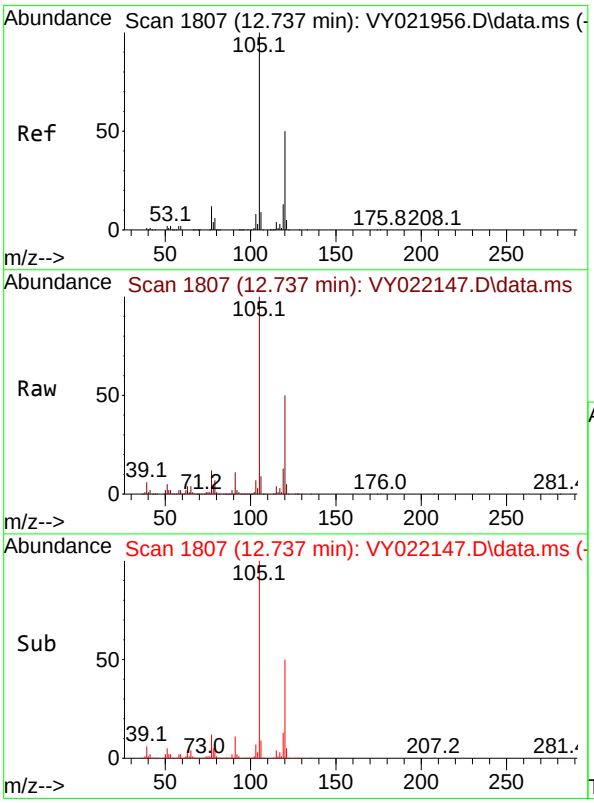
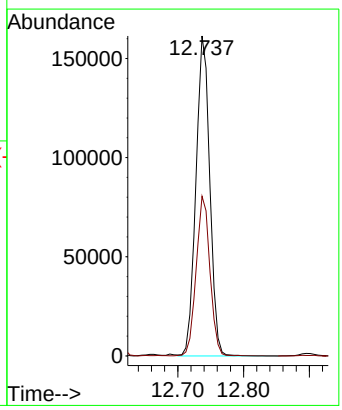
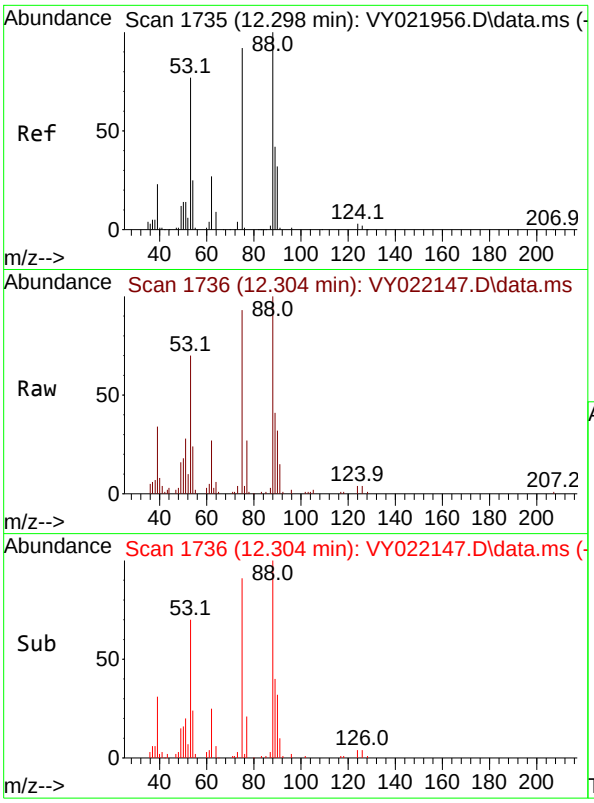


#80
1,3,5-Trimethylbenzene
Concen: 20.129 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:105 Resp: 235339

Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.255 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 1454

Ion	Ratio	Lower	Upper
75	100		
53	81.1	66.0	99.0
89	44.5	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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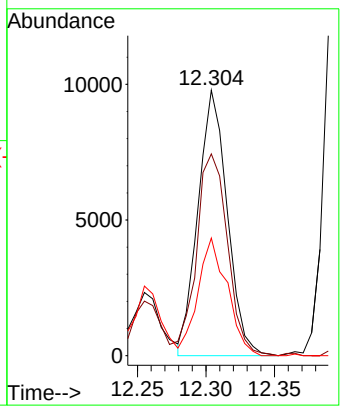
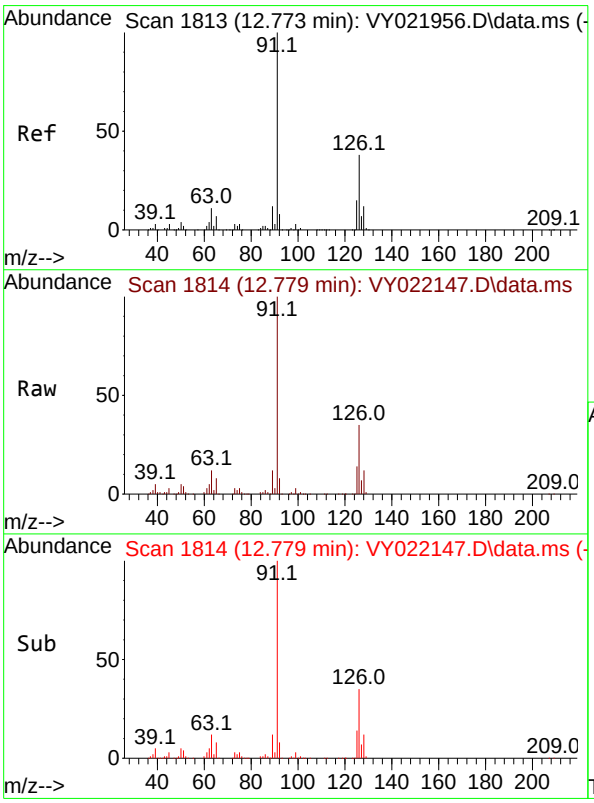
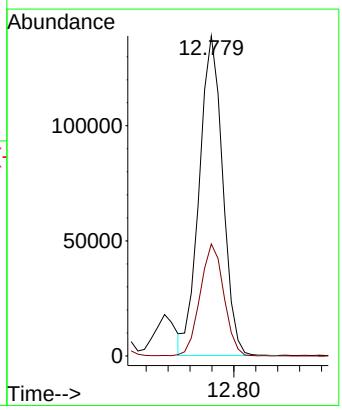


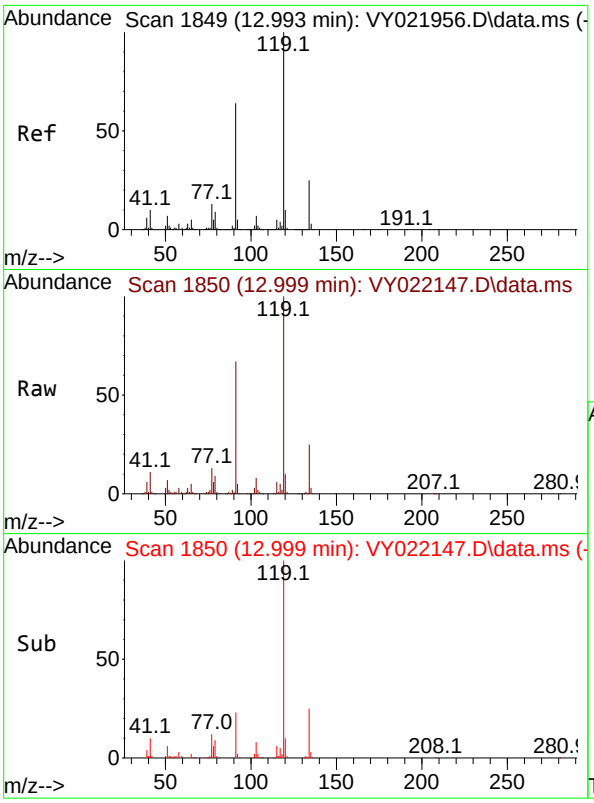


#82
4-Chlorotoluene
Concen: 20.188 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 206233

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.8





#83
tert-Butylbenzene
Concen: 19.219 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:119 Resp: 20152

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.3	90.9
134	26.3	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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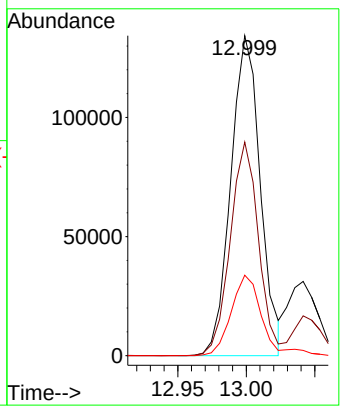
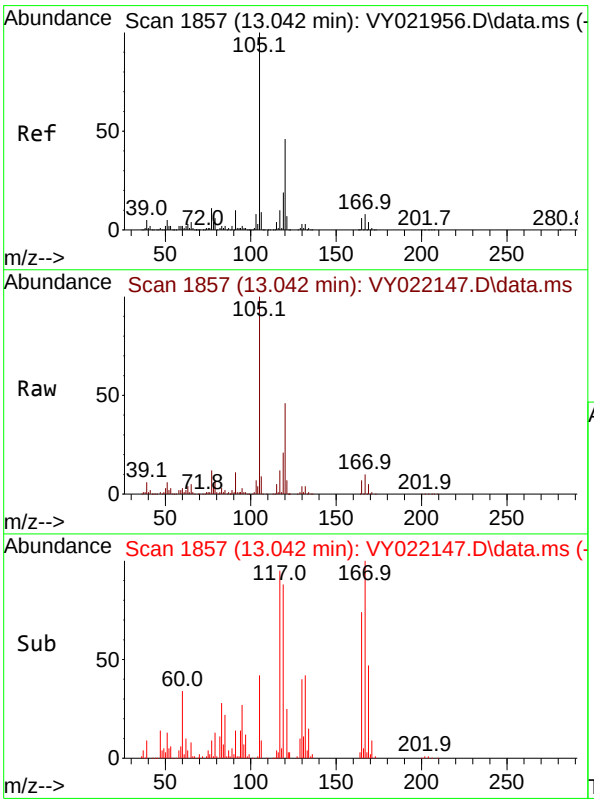
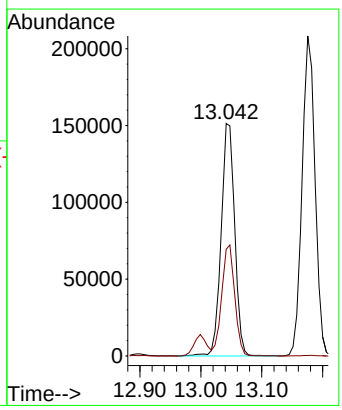


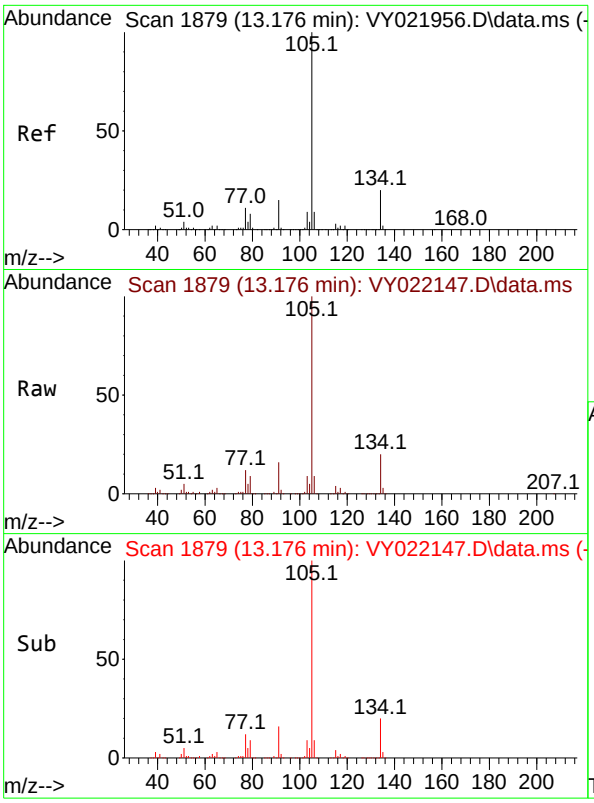


#84
1,2,4-Trimethylbenzene
Concen: 20.045 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:105 Resp: 234406

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.4	70.0





#85
sec-Butylbenzene
Concen: 20.041 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:105 Resp: 30750

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

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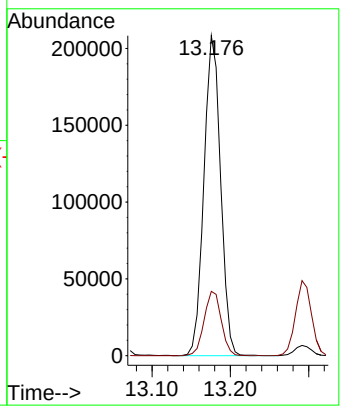
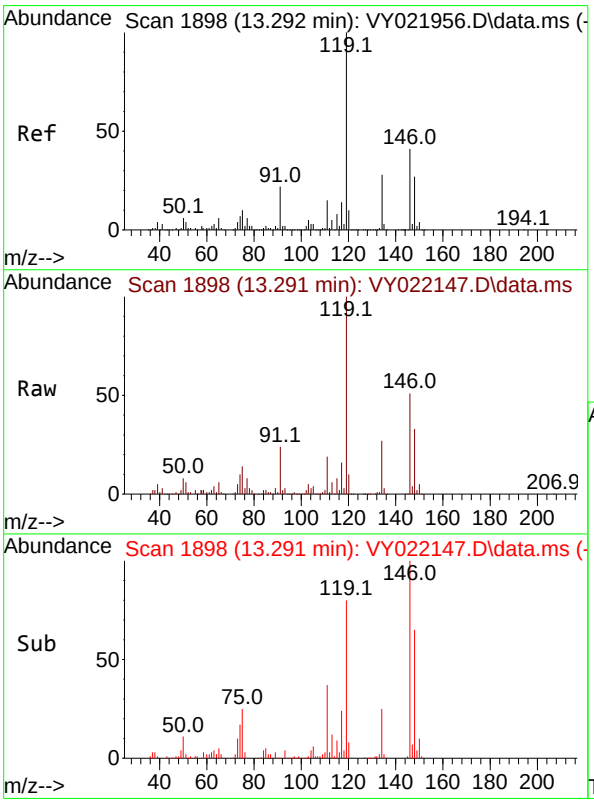
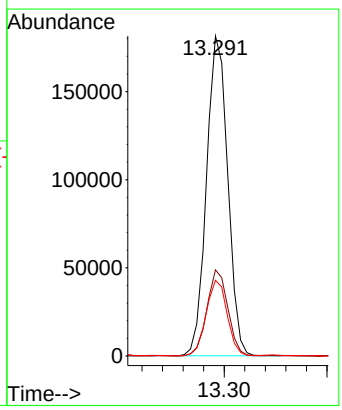


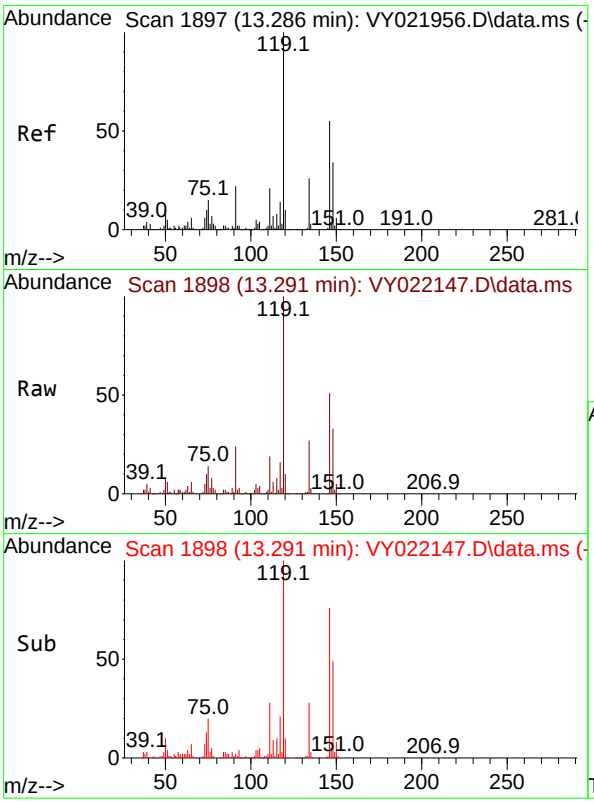


#86
p-Isopropyltoluene
Concen: 19.960 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:119 Resp: 260054

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	23.3	11.0	33.0





#87
1,3-Dichlorobenzene
Concen: 19.604 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:146 Resp: 14276

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.5
148	64.5	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
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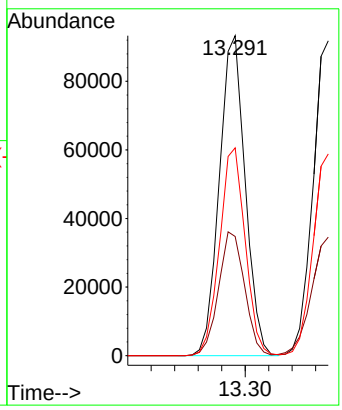
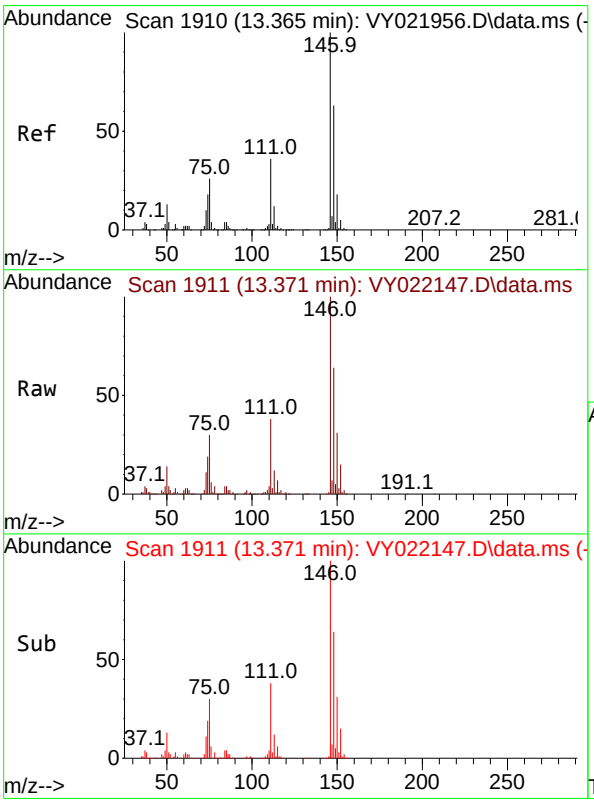
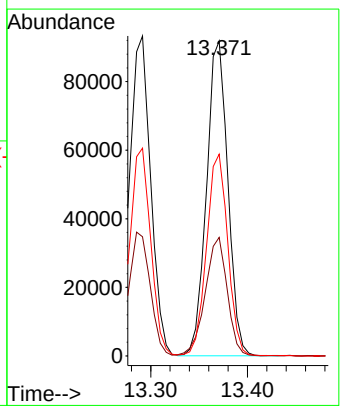


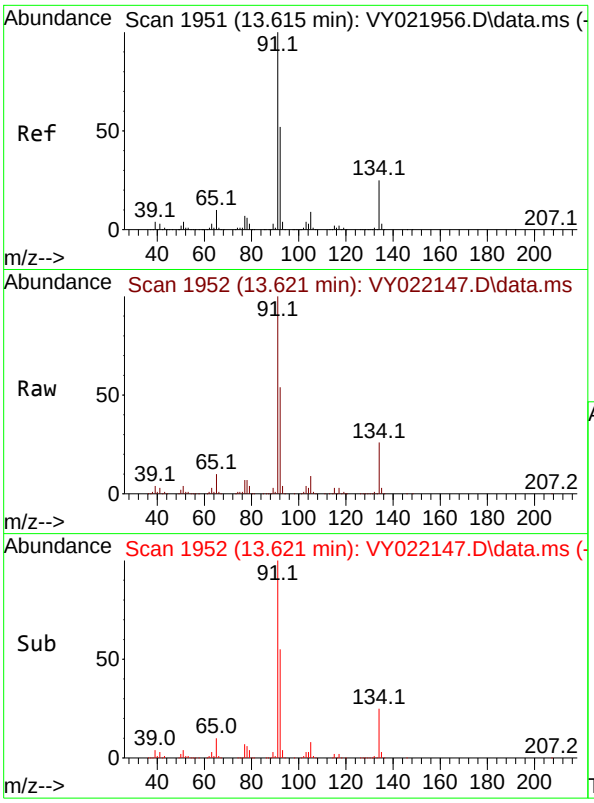


#88
1,4-Dichlorobenzene
Concen: 19.507 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:146 Resp: 140689

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	63.9	32.0	96.0

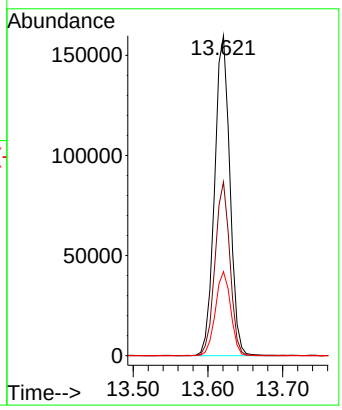




#89
n-Butylbenzene
Concen: 19.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 22720

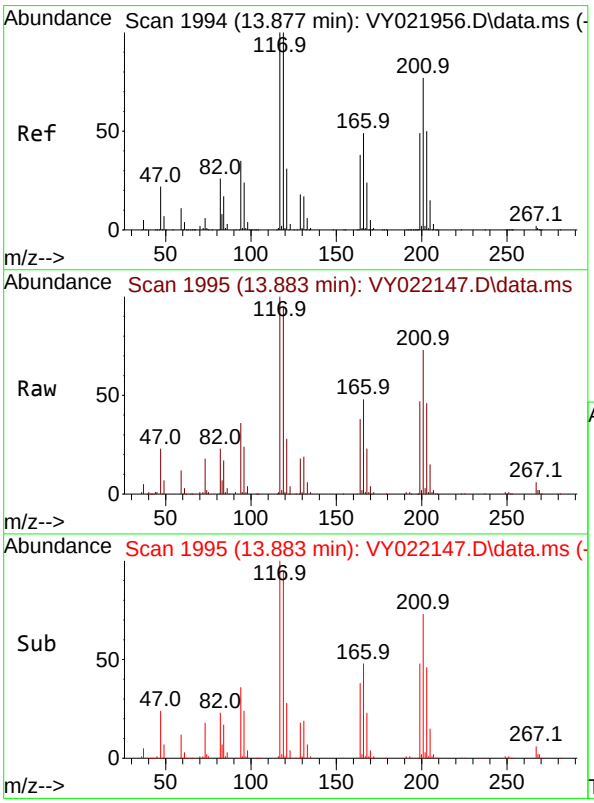
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	26.3	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

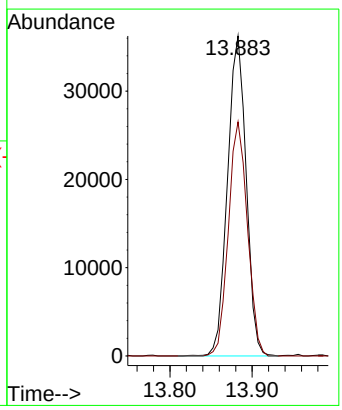
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

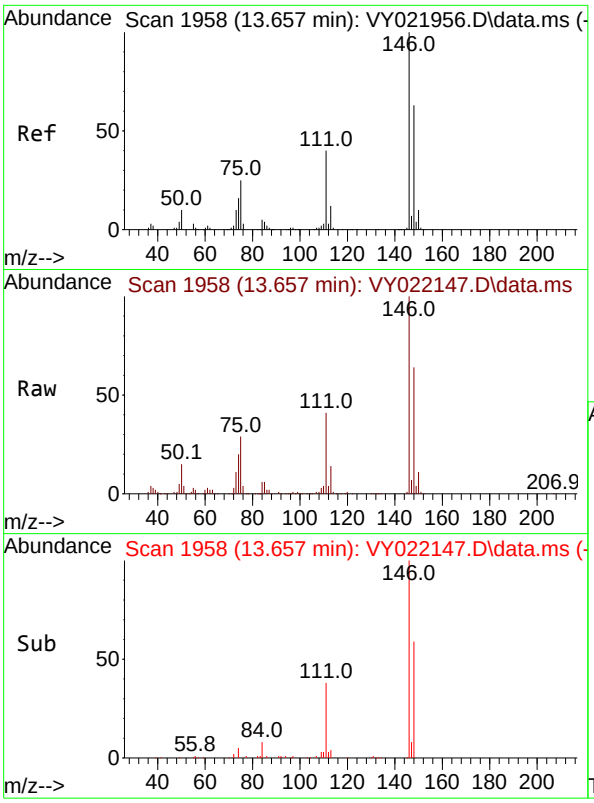


#90
Hexachloroethane
Concen: 19.985 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:117 Resp: 57209

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.7	116.1

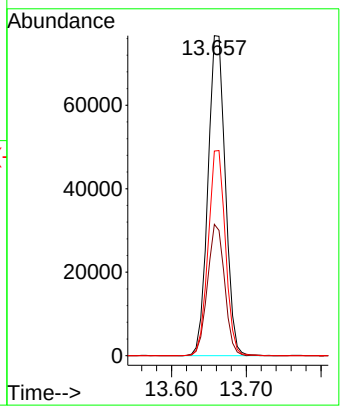




#91
1,2-Dichlorobenzene
Concen: 19.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:146 Resp: 12328

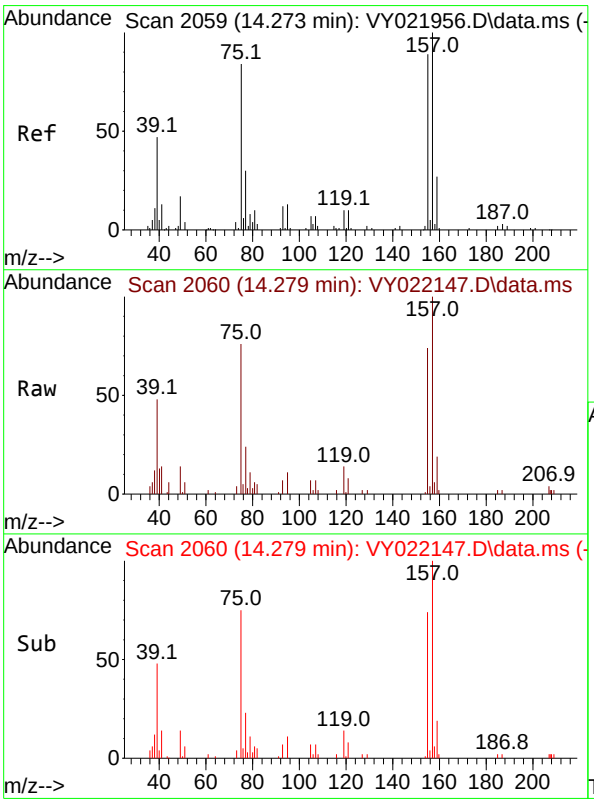
Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	63.5	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

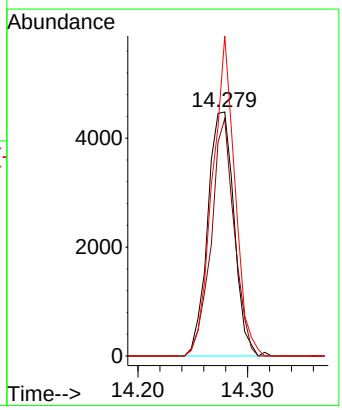
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

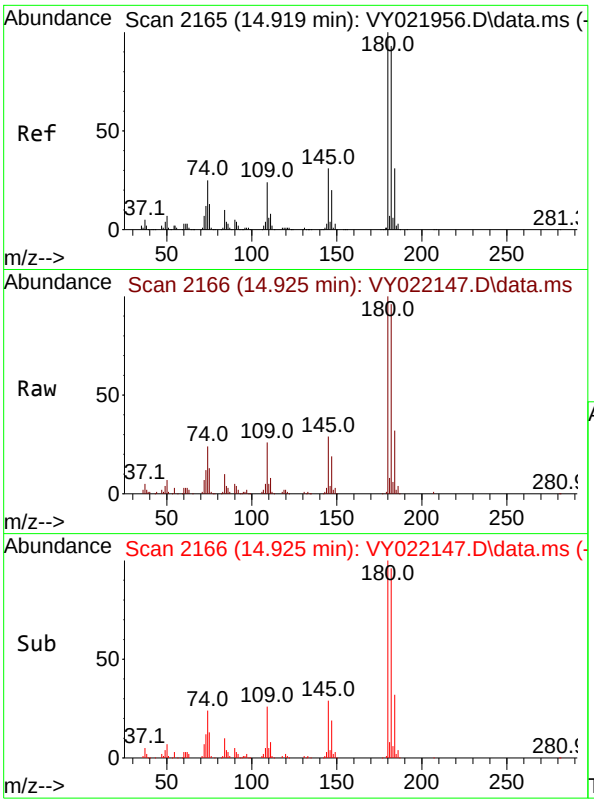


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.624 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 7469

Ion	Ratio	Lower	Upper
75	100		
155	85.3	50.7	152.3
157	112.1	62.6	187.8





#93
1,2,4-Trichlorobenzene
Concen: 18.371 ug/l
RT: 14.925 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

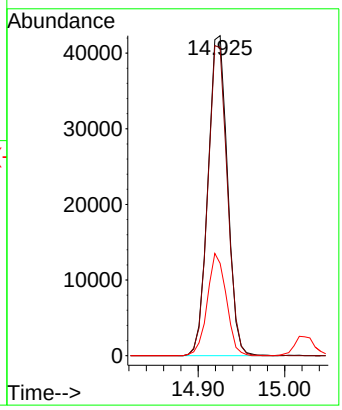
Tgt Ion:180 Resp: 6612

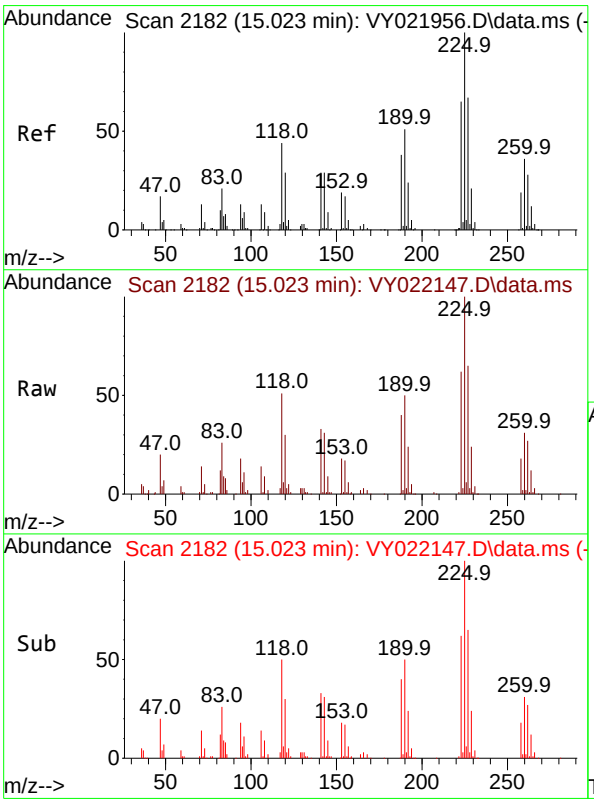
Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.1	141.4
145	31.1	15.0	45.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025

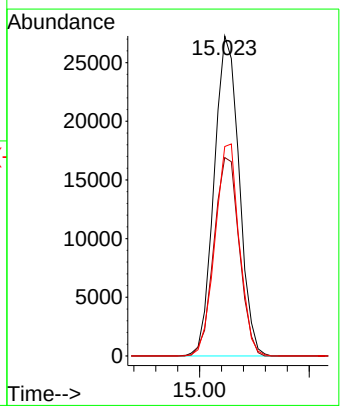


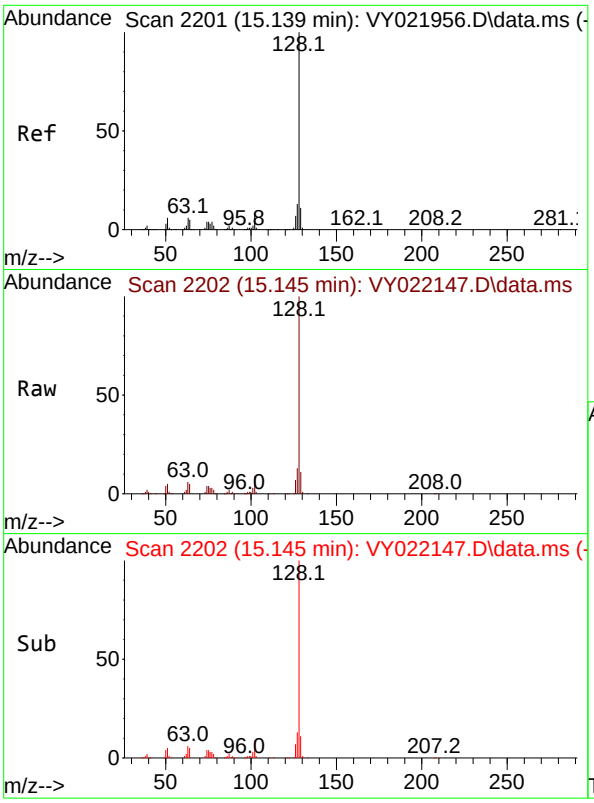


#94
Hexachlorobutadiene
Concen: 19.479 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:225 Resp: 43136

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	64.6	32.3	96.9

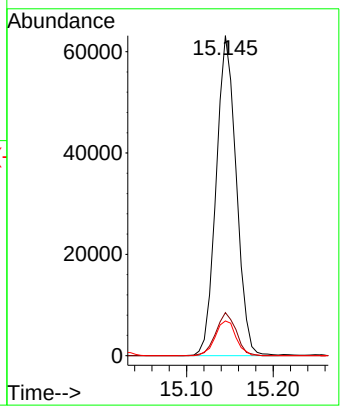




#95
Naphthalene
Concen: 17.031 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:128 Resp: 10183

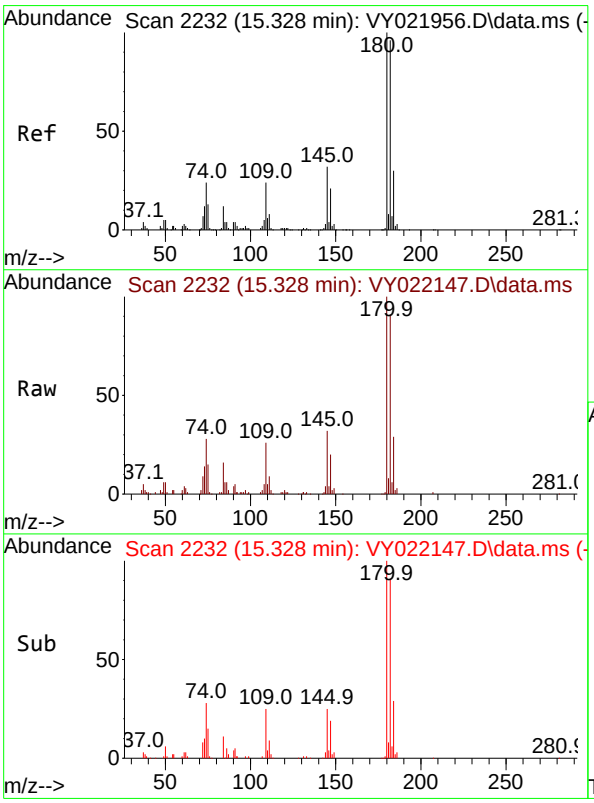
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.3	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Manual Integrations
APPROVED

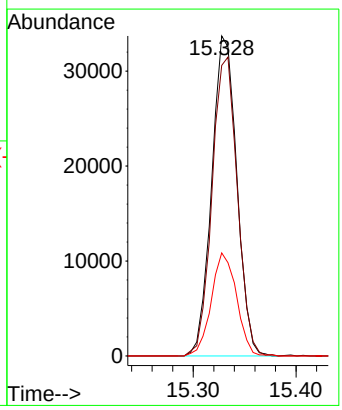
Reviewed By :Mahesh Dadoda 05/06/2025
Supervised By :Semsettin Yesilyurt 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.385 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:180 Resp: 57120

Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.4
145	32.5	16.0	48.0



Raw Data: **VY022049.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBSD01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022049.D	1		04/29/25 10:53	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.020		0.0011	0.0040	0.0050	mg/Kg
74-87-3	Chloromethane	0.021		0.0011	0.0025	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.020		0.00079	0.0025	0.0050	mg/Kg
74-83-9	Bromomethane	0.022		0.0011	0.0040	0.0050	mg/Kg
75-00-3	Chloroethane	0.020		0.0013	0.0025	0.0050	mg/Kg
109-99-9	Tetrahydrofuran	0.098		0.0047	0.013	0.025	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.0012	0.0040	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.020		0.0011	0.0025	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.0010	0.0025	0.0050	mg/Kg
107-13-1	Acrylonitrile	0.10		0.0050	0.013	0.025	mg/Kg
67-64-1	Acetone	0.095		0.0047	0.020	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.020		0.0011	0.0040	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.020		0.00073	0.0025	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0035	0.0080	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00086	0.0025	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.020		0.00080	0.0025	0.0050	mg/Kg
78-93-3	2-Butanone	0.096		0.0065	0.020	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00097	0.0025	0.0050	mg/Kg
594-20-7	2,2-Dichloropropane	0.021		0.0013	0.0040	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00075	0.0025	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.00084	0.0040	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00093	0.0025	0.0050	mg/Kg
563-58-6	1,1-Dichloropropene	0.021		0.00087	0.0025	0.0050	mg/Kg
71-43-2	Benzene	0.021		0.00079	0.0025	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.021		0.00079	0.0025	0.0050	mg/Kg
79-01-6	Trichloroethene	0.021		0.00081	0.0025	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00091	0.0025	0.0050	mg/Kg
74-95-3	Dibromomethane	0.021		0.00089	0.0025	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00078	0.0025	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.10		0.0036	0.013	0.025	mg/Kg

Raw Data: **VY022049.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBSD01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022049.D	1		04/29/25 10:53	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.021		0.00078	0.0025	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.020		0.00065	0.0025	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00062	0.0025	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.021		0.00092	0.0025	0.0050	mg/Kg
142-28-9	1,3-Dichloropropane	0.021		0.00068	0.0025	0.0050	mg/Kg
591-78-6	2-Hexanone	0.097		0.0037	0.013	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00087	0.0025	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00088	0.0025	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.021		0.0011	0.0025	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.021		0.00091	0.0025	0.0050	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.021		0.00077	0.0025	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0025	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.041		0.0012	0.0050	0.010	mg/Kg
1330-20-7	Total Xylenes	0.062		0.0020	0.0075	0.015	mg/Kg
95-47-6	o-Xylene	0.020		0.00082	0.0025	0.0050	mg/Kg
100-42-5	Styrene	0.021		0.00071	0.0025	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00086	0.0025	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00078	0.0025	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.021		0.0012	0.0025	0.0050	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.020		0.0012	0.0040	0.0050	mg/Kg
108-86-1	Bromobenzene	0.021		0.0012	0.0025	0.0050	mg/Kg
103-65-1	n-propylbenzene	0.020		0.00073	0.0025	0.0050	mg/Kg
95-49-8	2-Chlorotoluene	0.020		0.00068	0.0025	0.0050	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.020		0.00082	0.0025	0.0050	mg/Kg
106-43-4	4-Chlorotoluene	0.021		0.0012	0.0025	0.0050	mg/Kg
98-06-6	tert-Butylbenzene	0.020		0.00067	0.0025	0.0050	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.021		0.00064	0.0025	0.0050	mg/Kg
135-98-8	sec-Butylbenzene	0.020		0.00066	0.0025	0.0050	mg/Kg
99-87-6	p-Isopropyltoluene	0.020		0.00062	0.0025	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.0017	0.0025	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.0016	0.0025	0.0050	mg/Kg

Raw Data: **VY022049.D**

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

Report of Analysis

Client:	Nobis Group	Date Collected:	
Project:	Raymark Superfund Site	Date Received:	
Client Sample ID:	VY0429SBSD01	SDG No.:	Q1883
Lab Sample ID:	VY0429SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% 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
VY022049.D	1		04/29/25 10:53	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	0.019		0.0015	0.0025	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.0015	0.0025	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.019		0.0018	0.0040	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.020		0.0030	0.0040	0.0050	mg/Kg
87-68-3	Hexachlorobutadiene	0.021		0.0019	0.0025	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.020		0.0032	0.0040	0.0050	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.019		0.0011	0.0025	0.0050	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.3		71 - 136		99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.5		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	292000	7.707				
540-36-3	1,4-Difluorobenzene	448000	8.616				
3114-55-4	Chlorobenzene-d5	410000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	218000	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\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	291903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	448136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	409949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	218010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132942	49.306	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.620%			
35) Dibromofluoromethane	7.634	113	151267	51.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.180%			
50) Toluene-d8	10.109	98	574864	51.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.000%			
62) 4-Bromofluorobenzene	12.408	95	189774	50.506	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	50434	20.277	ug/l	100
3) Chloromethane	2.068	50	74819	21.125	ug/l	100
4) Vinyl Chloride	2.202	62	86763	19.936	ug/l	98
5) Bromomethane	2.592	94	81132	21.638	ug/l	98
6) Chloroethane	2.732	64	60515	20.416	ug/l	97
7) Trichlorofluoromethane	3.050	101	117953	20.553	ug/l	95
8) Diethyl Ether	3.458	74	29207	19.553	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	62852	20.189	ug/l	100
10) Methyl Iodide	4.001	142	72159	20.019	ug/l	99
11) Tert butyl alcohol	4.891	59	14560	98.364	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	58514	20.164	ug/l	94
13) Acrolein	3.653	56	25330	95.343	ug/l	98
14) Allyl chloride	4.379	41	65987	19.529	ug/l	99
15) Acrylonitrile	5.067	53	54870	100.340	ug/l	97
16) Acetone	3.879	43	38055	94.548	ug/l	90
17) Carbon Disulfide	4.104	76	183685	19.853	ug/l	98
18) Methyl Acetate	4.385	43	27586	21.903	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	128332	19.759	ug/l	98
20) Methylene Chloride	4.610	84	67632	19.837	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	65695	20.215	ug/l	95
22) Diisopropyl ether	6.018	45	152428	20.272	ug/l	96
23) Vinyl Acetate	5.964	43	394142	97.261	ug/l	99
24) 1,1-Dichloroethane	5.921	63	105238	20.191	ug/l	99
25) 2-Butanone	6.896	43	59219	96.354	ug/l	96
26) 2,2-Dichloropropane	6.884	77	93930	20.562	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73804	20.310	ug/l	99
28) Bromochloromethane	7.244	49	42480	20.983	ug/l	99
29) Tetrahydrofuran	7.262	42	38986	97.667	ug/l	98
30) Chloroform	7.421	83	119936	20.745	ug/l	99
31) Cyclohexane	7.701	56	86354	19.375	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	107276	20.510	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81364	20.459	ug/l	99
37) Ethyl Acetate	6.982	43	28671	20.073	ug/l	97
38) Carbon Tetrachloride	7.817	117	100223	21.090	ug/l	94
39) Methylcyclohexane	9.109	83	97715	19.525	ug/l	94
40) Benzene	8.079	78	259113	20.843	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	14935	19.128	ug/l		94
42) 1,2-Dichloroethane	8.158	62	63977	20.786	ug/l		99
43) Isopropyl Acetate	8.195	43	54414	19.838	ug/l		97
44) Trichloroethene	8.866	130	73238	21.269	ug/l		99
45) 1,2-Dichloropropane	9.140	63	58177	21.161	ug/l		96
46) Dibromomethane	9.231	93	36339	21.115	ug/l		100
47) Bromodichloromethane	9.426	83	90012	20.937	ug/l		99
48) Methyl methacrylate	9.219	41	24153	19.048	ug/l		91
49) 1,4-Dioxane	9.237	88	7262	395.905	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	145133	100.935	ug/l		99
52) Toluene	10.170	92	170433	21.179	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	74659	20.246	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	91589	20.894	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	48989	21.310	ug/l		96
56) Ethyl methacrylate	10.438	69	50609	19.251	ug/l		97
57) 1,3-Dichloropropane	10.719	76	76028	20.630	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	130145	101.254	ug/l		99
59) 2-Hexanone	10.762	43	92347	97.370	ug/l		97
60) Dibromochloromethane	10.908	129	66559	20.913	ug/l		100
61) 1,2-Dibromoethane	11.018	107	45004	20.737	ug/l		100
64) Tetrachloroethene	10.646	164	82533	21.341	ug/l		99
65) Chlorobenzene	11.438	112	189085	20.626	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	67699	20.976	ug/l		99
67) Ethyl Benzene	11.518	91	300699	20.051	ug/l		98
68) m/p-Xylenes	11.627	106	246885	41.372	ug/l		100
69) o-Xylene	11.956	106	112115	20.384	ug/l		100
70) Styrene	11.969	104	191054	20.688	ug/l		99
71) Bromoform	12.133	173	38927	20.745	ug/l	#	99
73) Isopropylbenzene	12.255	105	290274	19.929	ug/l		100
74) N-amyl acetate	12.066	43	45873	18.331	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	51744	21.071	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	36486m	19.539	ug/l		
77) Bromobenzene	12.530	156	75612	20.544	ug/l		99
78) n-propylbenzene	12.597	91	351661	20.274	ug/l		99
79) 2-Chlorotoluene	12.682	91	204997	20.322	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	244799	20.398	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	15043	19.399	ug/l		97
82) 4-Chlorotoluene	12.773	91	216790	20.674	ug/l		99
83) tert-Butylbenzene	12.999	119	216972	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	247217	20.595	ug/l		100
85) sec-Butylbenzene	13.176	105	318982	20.253	ug/l		99
86) p-Isopropyltoluene	13.292	119	269435	20.146	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	155202	20.762	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	153508	20.735	ug/l		99
89) n-Butylbenzene	13.615	91	231371	19.355	ug/l		99
90) Hexachloroethane	13.877	117	59236	20.159	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	133628	20.496	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7437	19.035	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	72581	19.645	ug/l		98
94) Hexachlorobutadiene	15.023	225	47255	20.788	ug/l		96
95) Naphthalene	15.145	128	112172	18.277	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	64078	20.092	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

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\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations APPROVED

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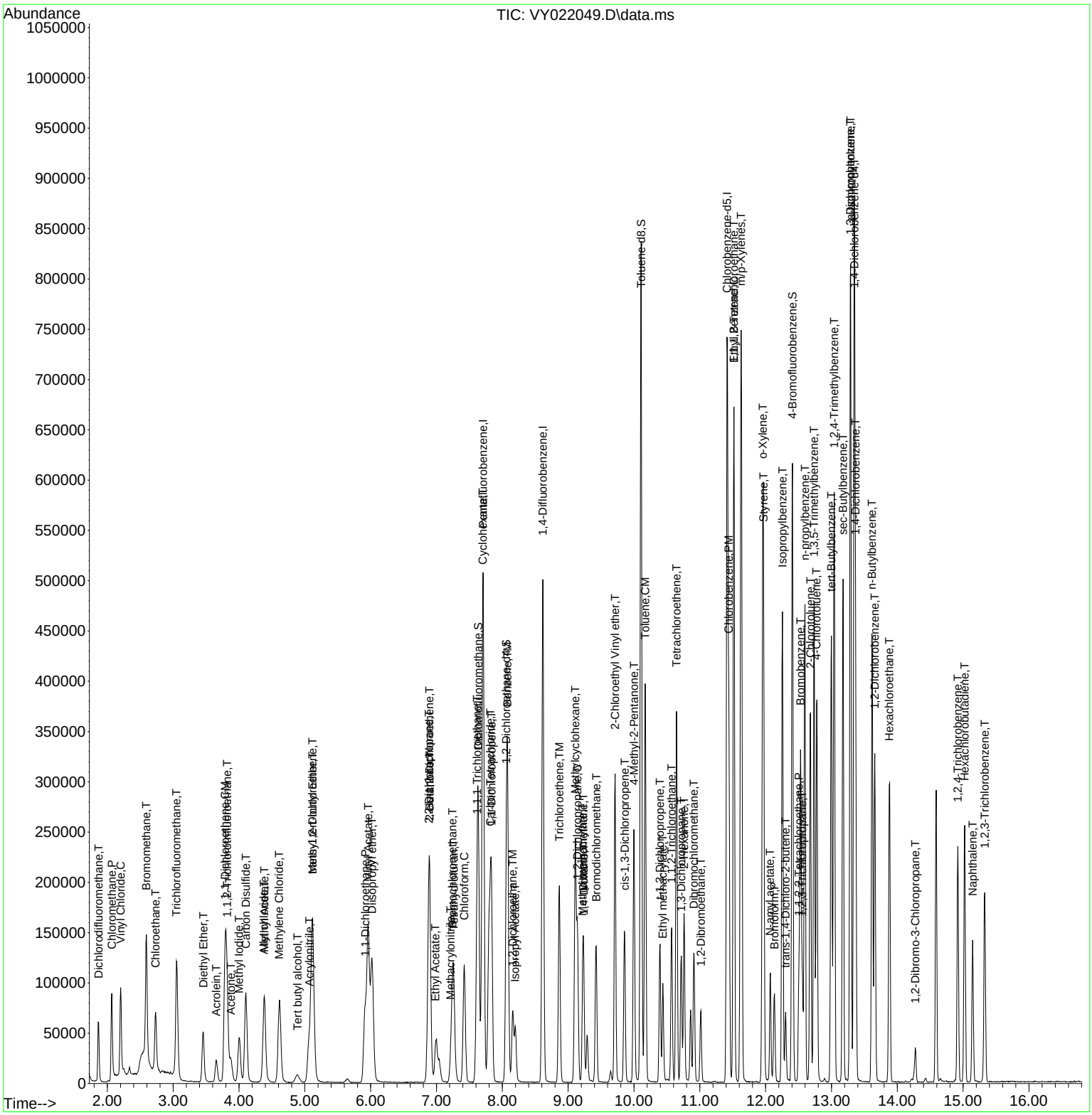
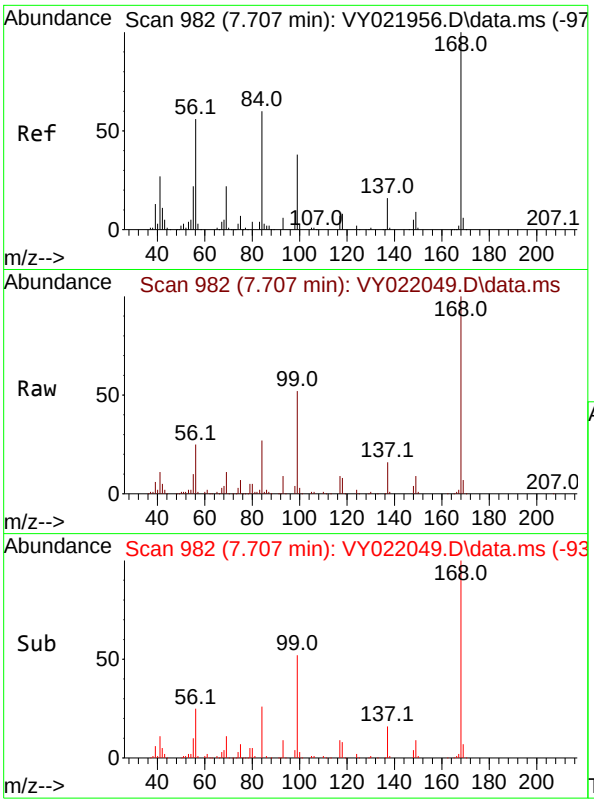
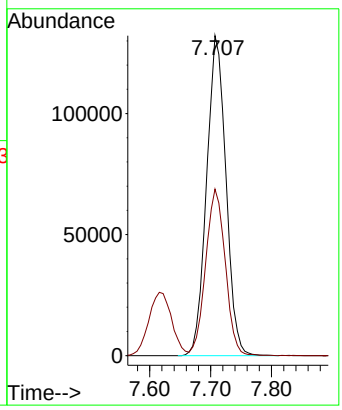




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:168 Resp: 29190

Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
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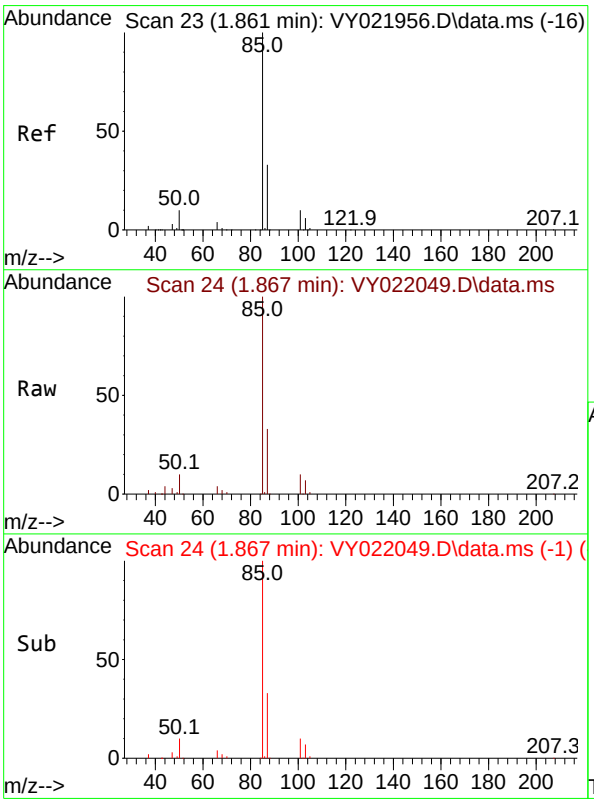
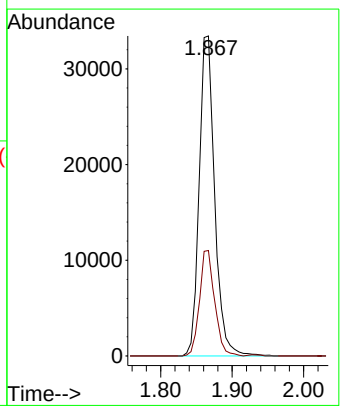
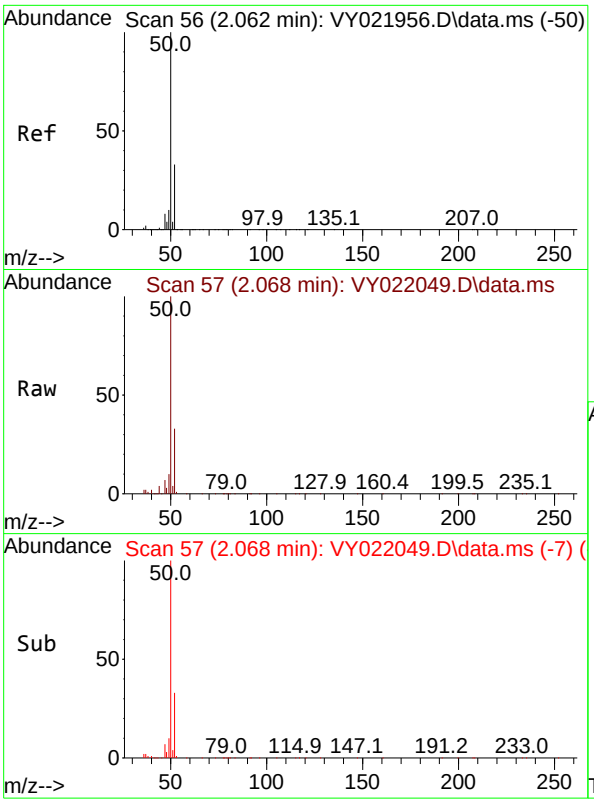


#2
Dichlorodifluoromethane
Concen: 20.277 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 85 Resp: 50434

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.7





#3
Chloromethane
Concen: 21.125 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

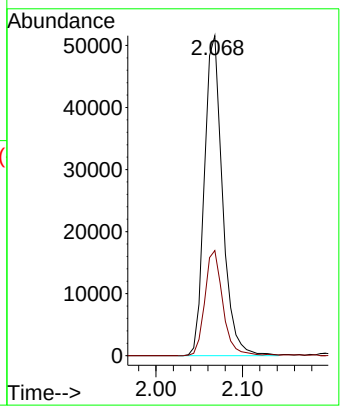
Tgt Ion: 50 Resp: 7481

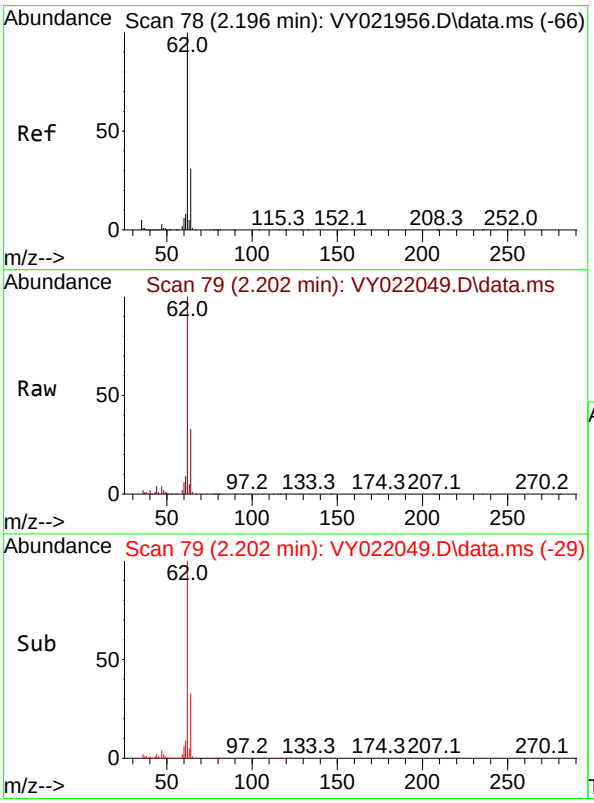
Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

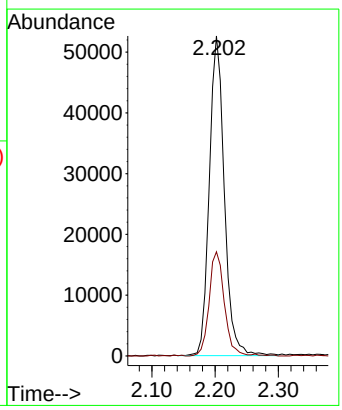


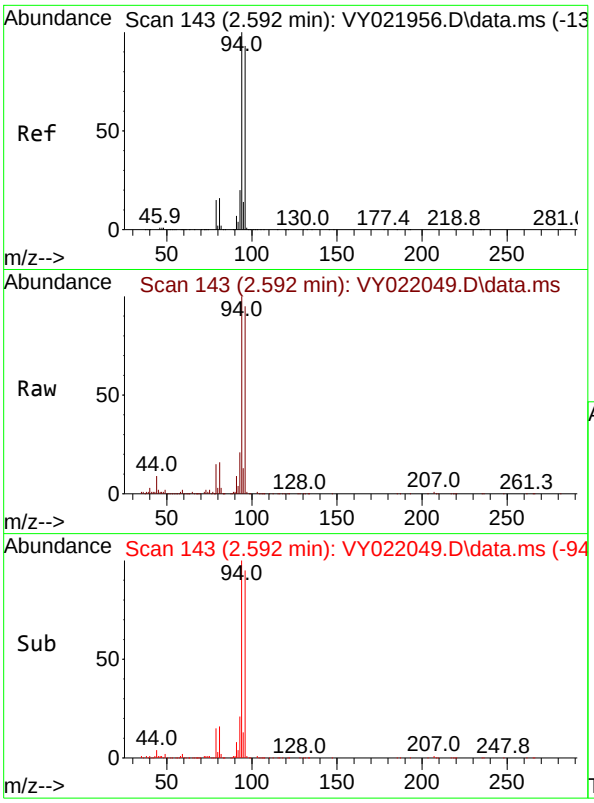


#4
Vinyl Chloride
Concen: 19.936 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 62 Resp: 86763

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.1	37.7

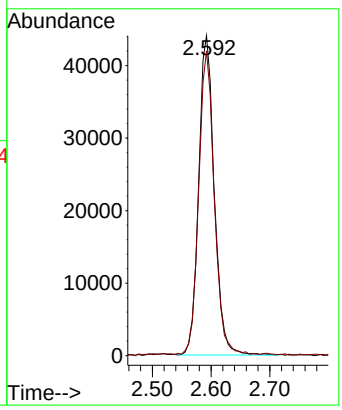




#5
Bromomethane
Concen: 21.638 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 94 Resp: 8113

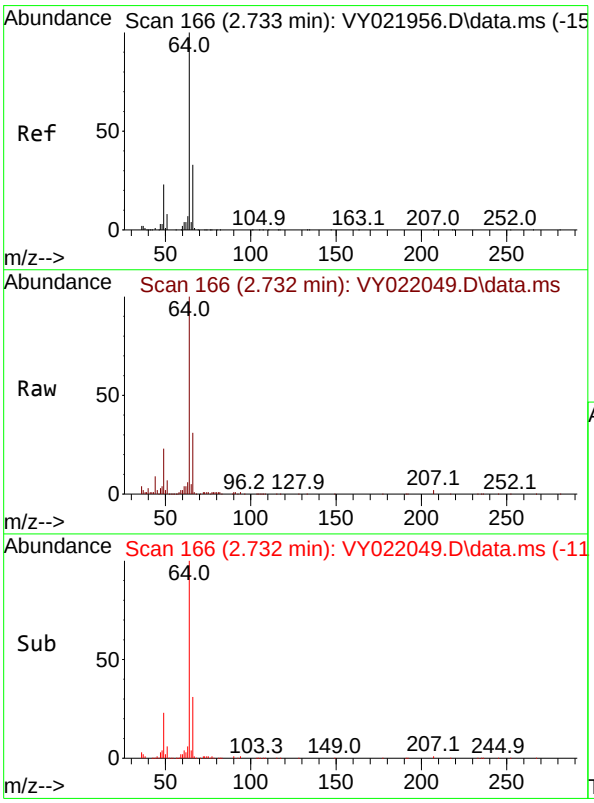
Ion	Ratio	Lower	Upper
94	100		
96	95.0	74.6	111.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

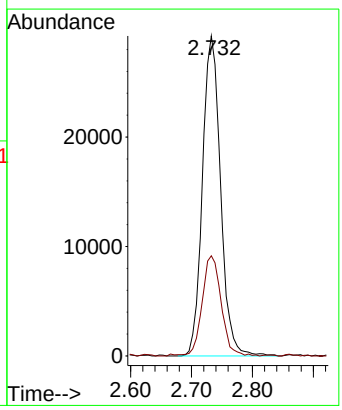
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

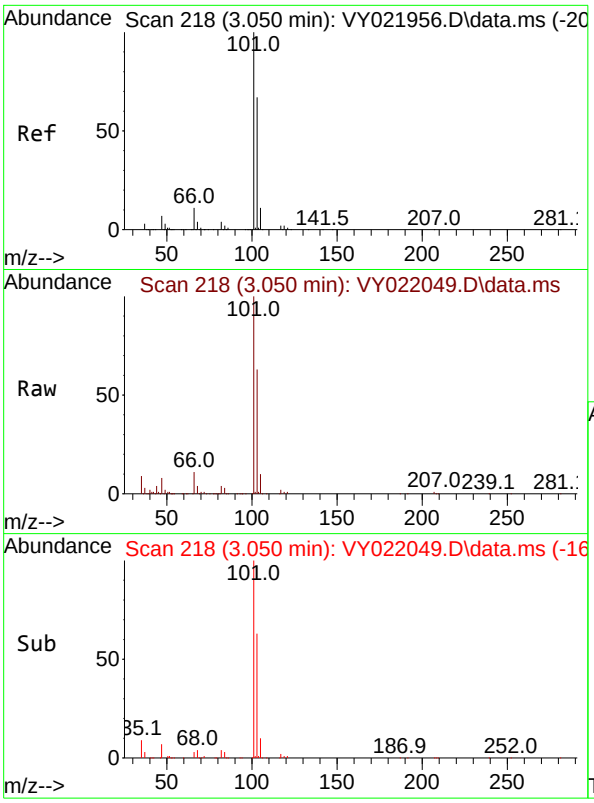


#6
Chloroethane
Concen: 20.416 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 64 Resp: 60515

Ion	Ratio	Lower	Upper
64	100		
66	31.3	26.2	39.4

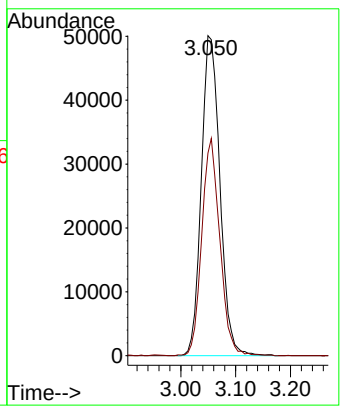




#7
Trichlorofluoromethane
Concen: 20.553 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:101 Resp: 11795

Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.6	80.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
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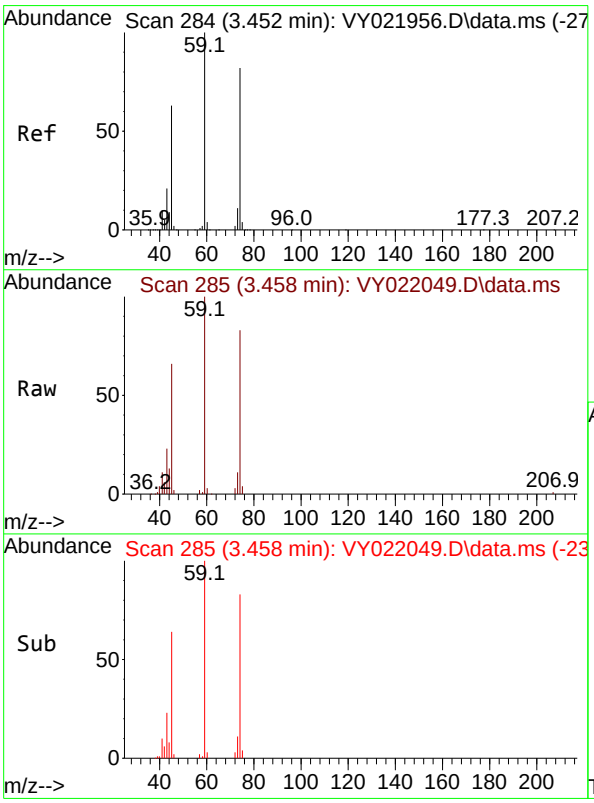
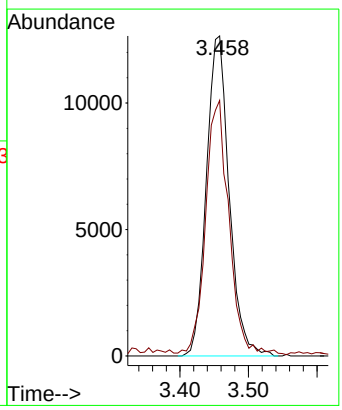
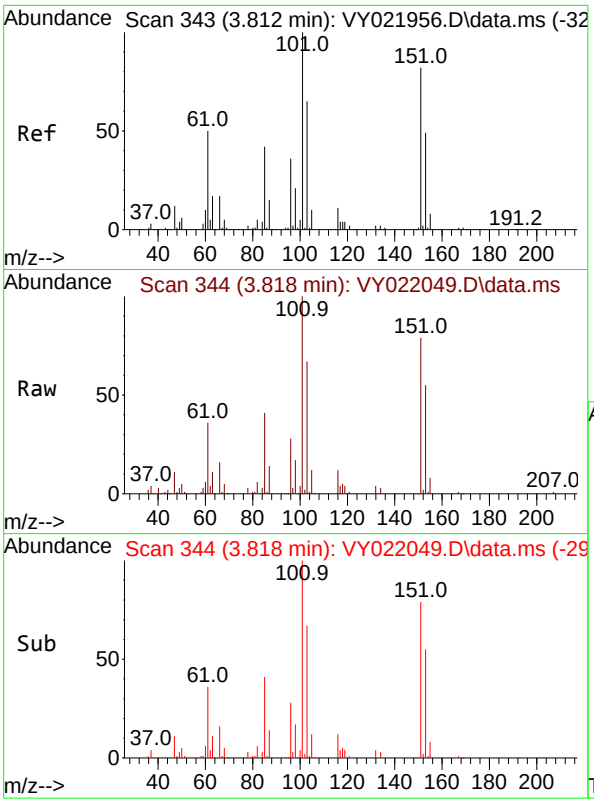


#8
Diethyl Ether
Concen: 19.553 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 74 Resp: 29207

Ion	Ratio	Lower	Upper
74	100		
45	81.4	39.1	117.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.189 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

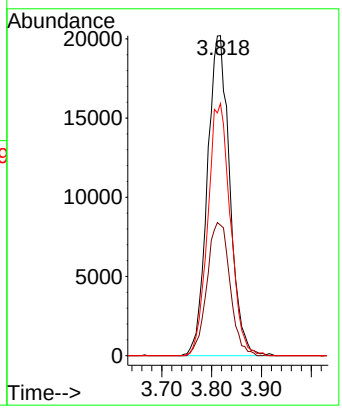
Tgt Ion:101 Resp: 6285

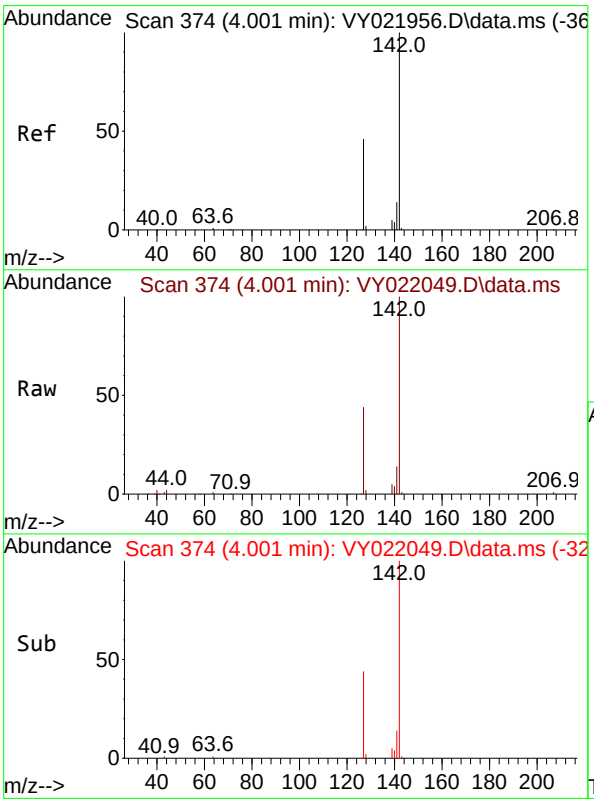
Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.6	51.8
151	79.7	63.7	95.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

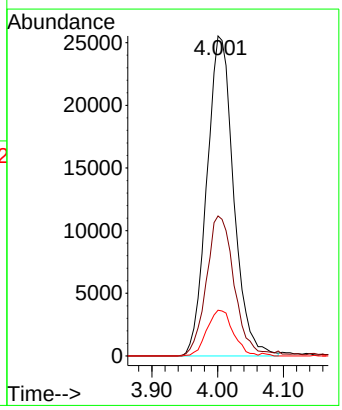


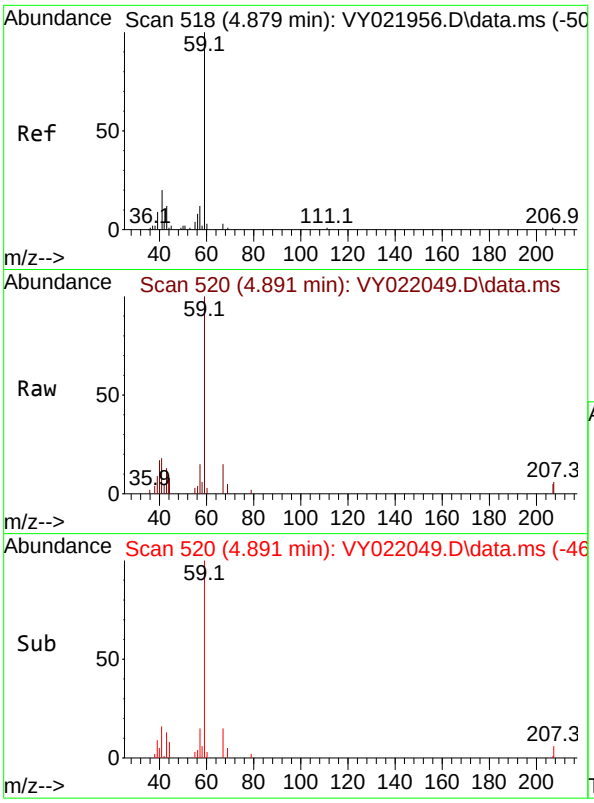


#10
Methyl Iodide
Concen: 20.019 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:142 Resp: 72159

Ion	Ratio	Lower	Upper
142	100		
127	46.0	36.2	54.2
141	14.0	11.7	17.5





#11
Tert butyl alcohol
Concen: 98.364 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 59 Resp: 1456

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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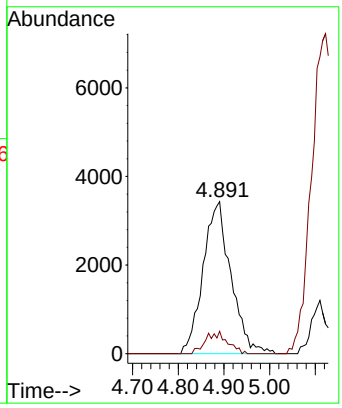
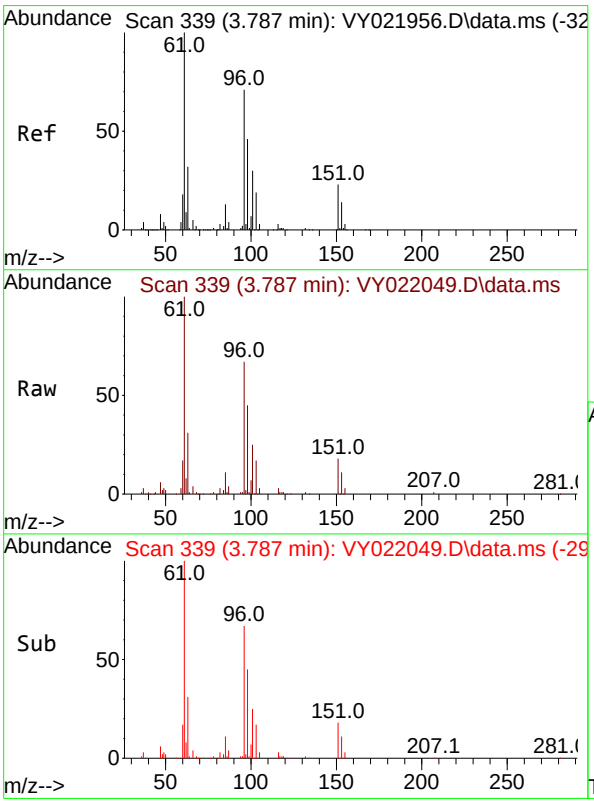
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

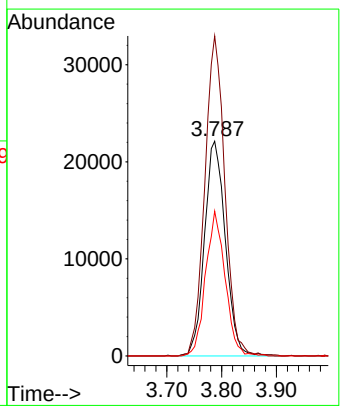


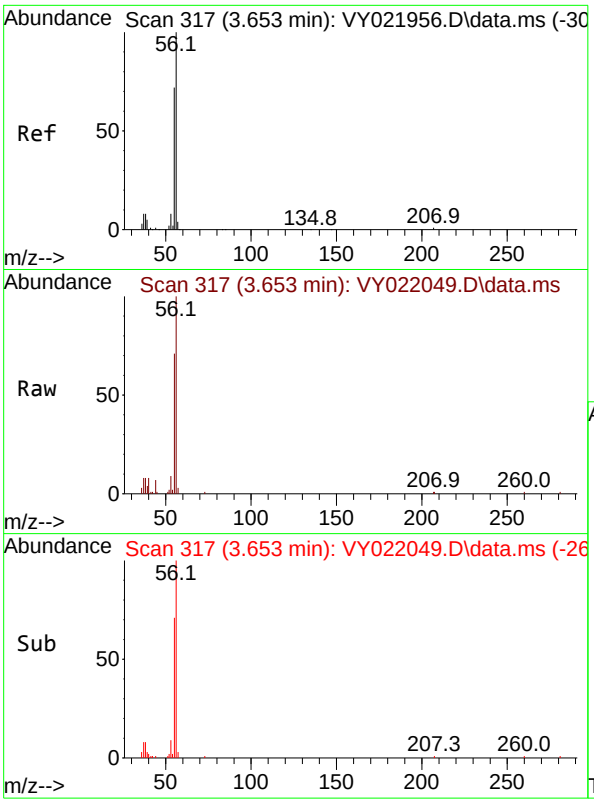


#12
1,1-Dichloroethene
Concen: 20.164 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 96 Resp: 58514

Ion	Ratio	Lower	Upper
96	100		
61	149.0	113.0	169.4
98	67.4	51.4	77.2

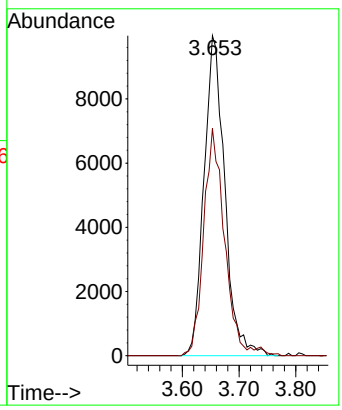




#13
Acrolein
Concen: 95.343 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 56 Resp: 2533

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.4	86.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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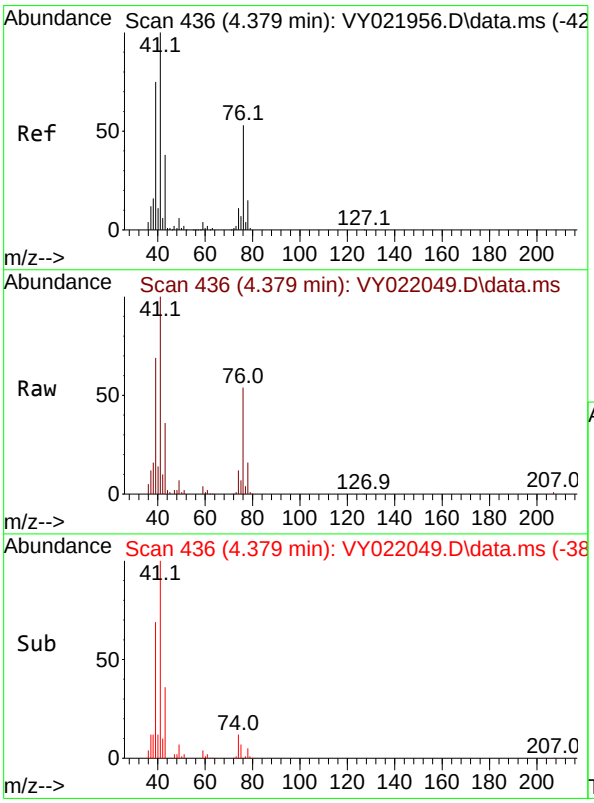
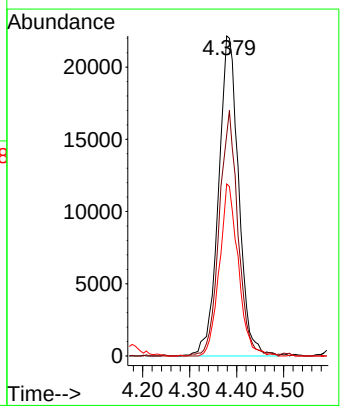
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

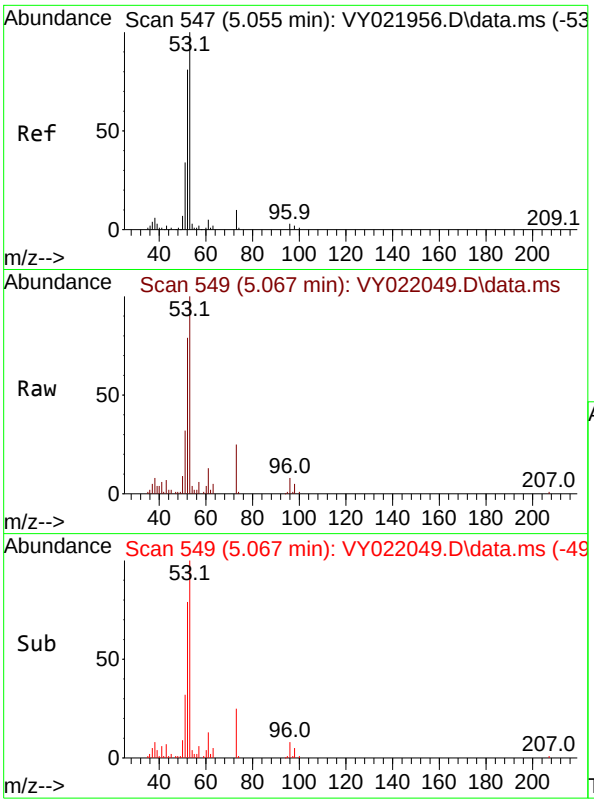


#14
Allyl chloride
Concen: 19.529 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 41 Resp: 65987

Ion	Ratio	Lower	Upper
41	100		
39	71.6	57.2	85.8
76	50.5	39.7	59.5





#15
Acrylonitrile
Concen: 100.340 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 53 Resp: 5487

Ion	Ratio	Lower	Upper
53	100		
52	77.6	65.0	97.6
51	35.7	28.9	43.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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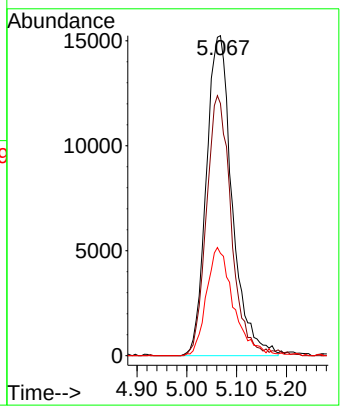
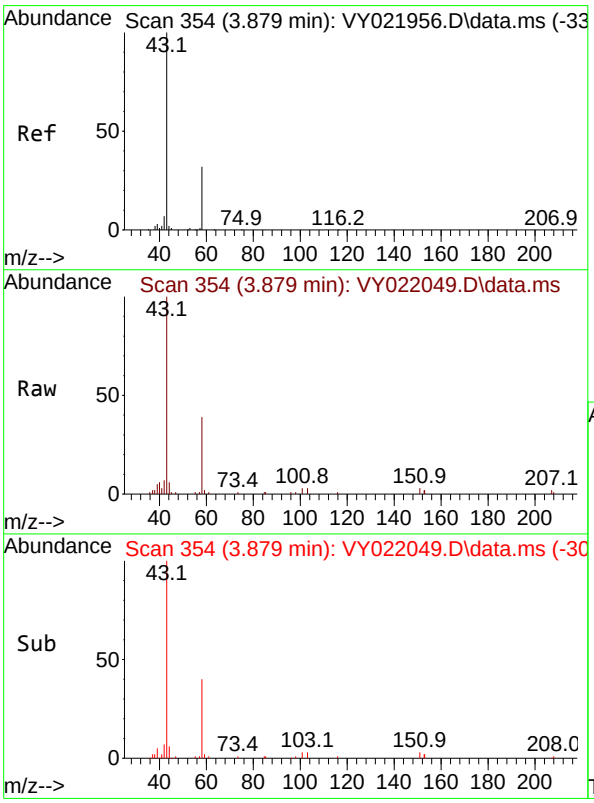
Supervised By :Mahesh Dadoda 04/30/2025

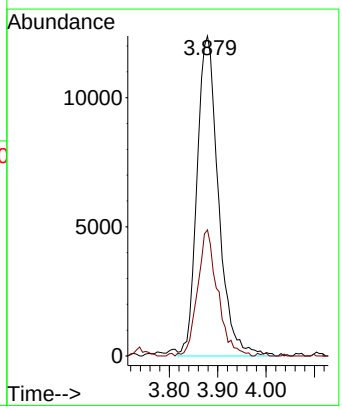


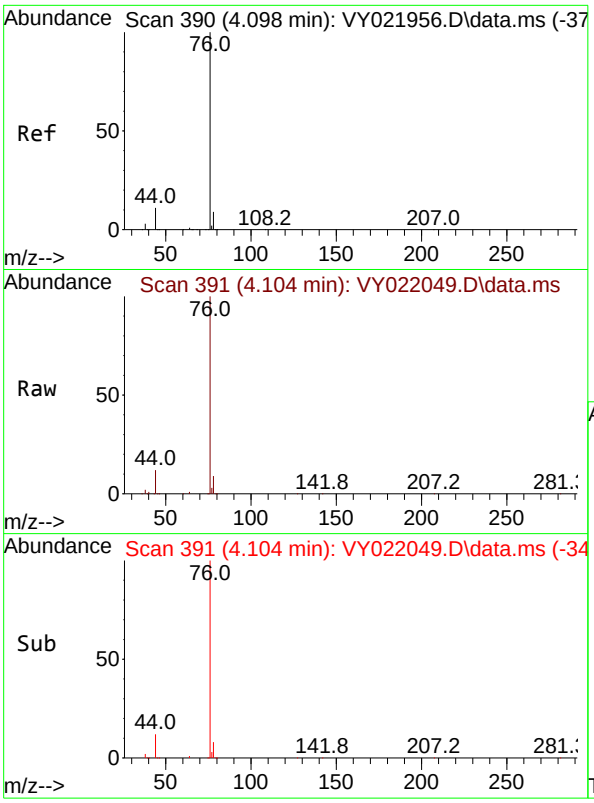


#16
Acetone
Concen: 94.548 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 38055

Ion	Ratio	Lower	Upper
43	100		
58	39.4	27.0	40.4





#17
Carbon Disulfide
Concen: 19.853 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 76 Resp: 18368

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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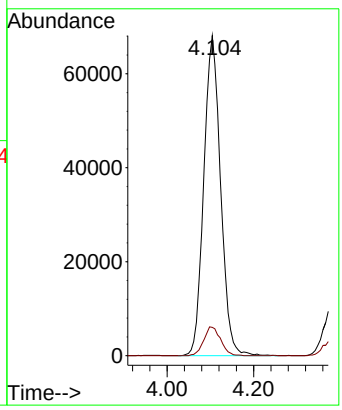
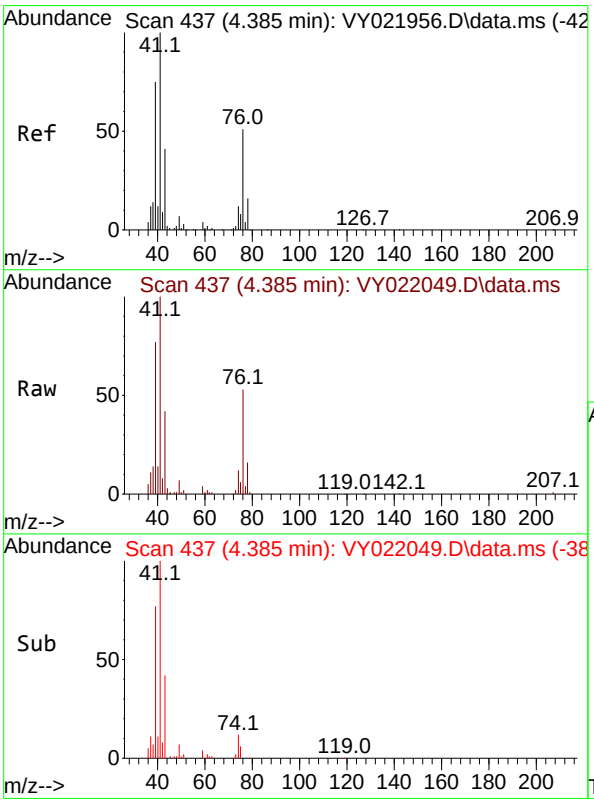
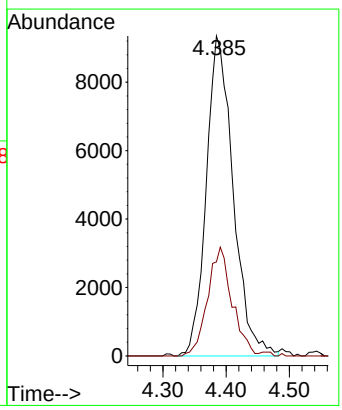


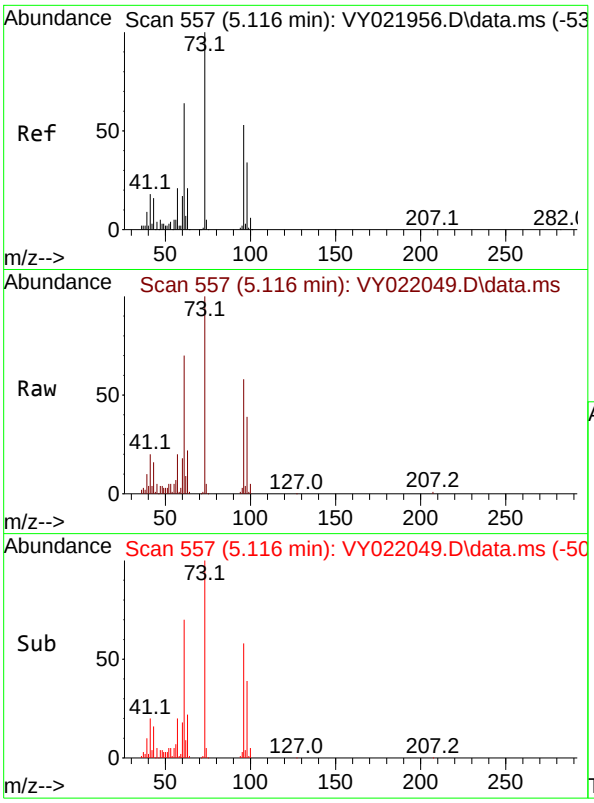


#18
Methyl Acetate
Concen: 21.903 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 27586

Ion	Ratio	Lower	Upper
43	100		
74	31.0	24.2	36.4





#19
Methyl tert-butyl Ether
Concen: 19.759 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 73 Resp: 12833

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.9	25.3

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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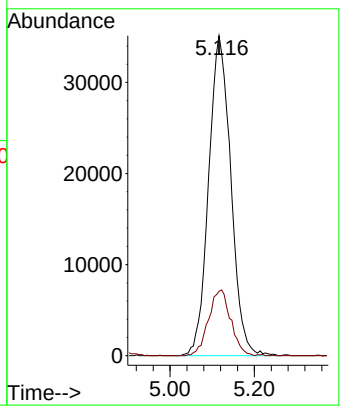
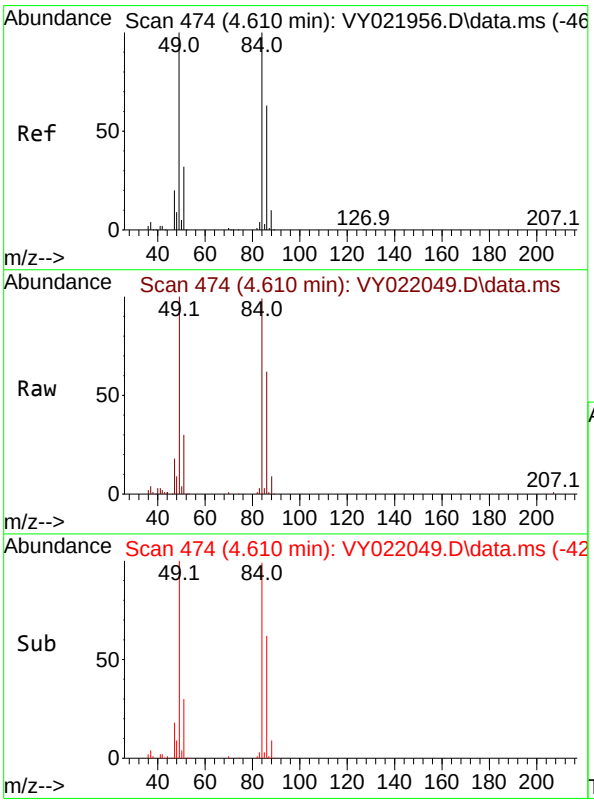
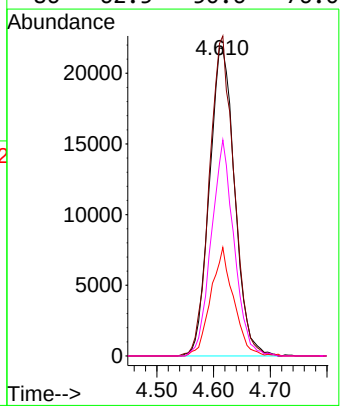


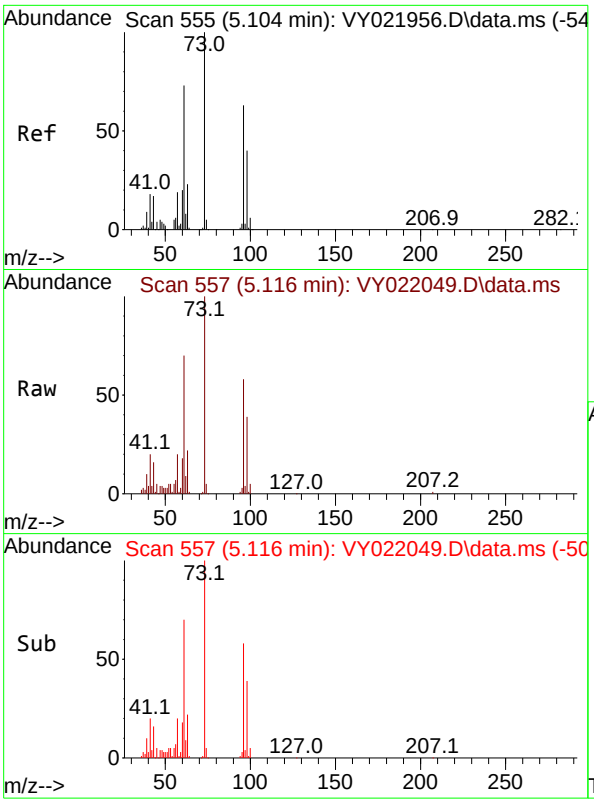


#20
Methylene Chloride
Concen: 19.837 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 84 Resp: 67632

Ion	Ratio	Lower	Upper
84	100		
49	101.3	79.9	119.9
51	30.3	25.4	38.0
86	62.5	50.6	76.0





#21
trans-1,2-Dichloroethene
Concen: 20.215 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 96 Resp: 6569

Ion	Ratio	Lower	Upper
96	100		
61	121.1	92.6	138.8
98	67.2	50.2	75.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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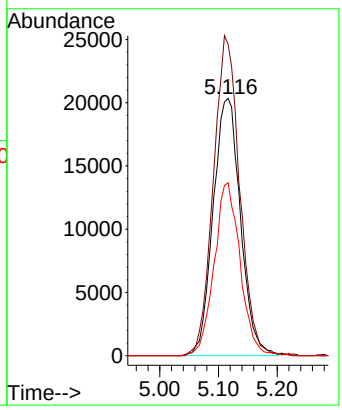
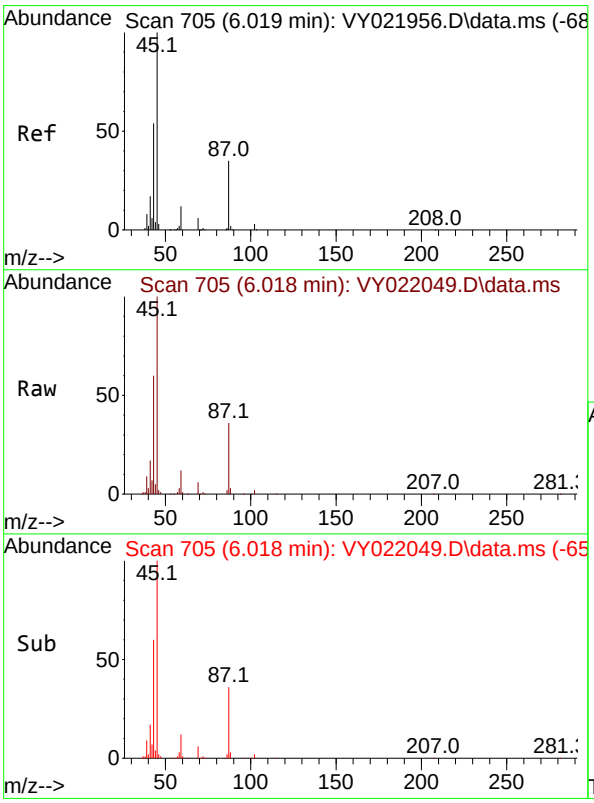
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

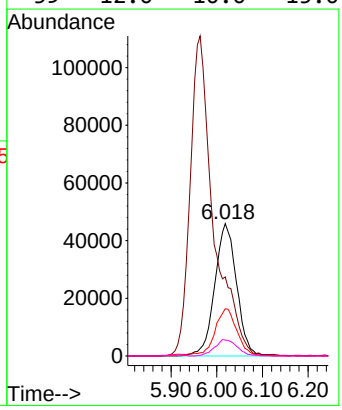


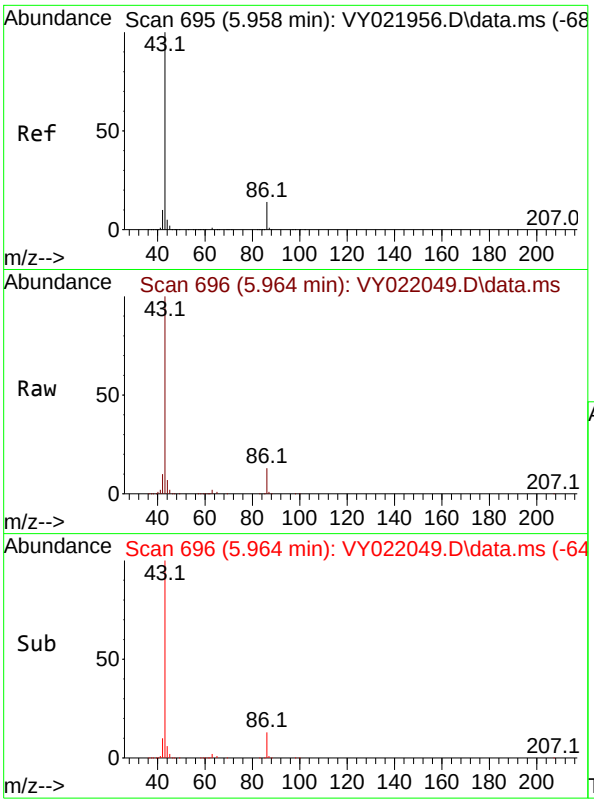


#22
Diisopropyl ether
Concen: 20.272 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 45 Resp: 152428

Ion	Ratio	Lower	Upper
45	100		
43	59.0	43.6	65.4
87	35.5	28.2	42.4
59	12.0	10.0	15.0

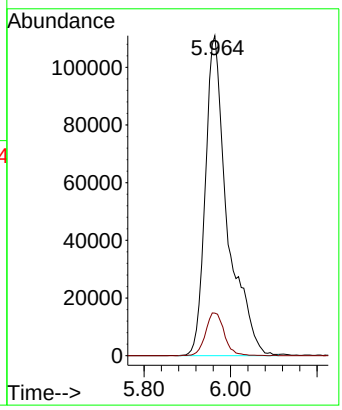




#23
Vinyl Acetate
Concen: 97.261 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 39414

Ion	Ratio	Lower	Upper
43	100		
86	13.3	11.1	16.7



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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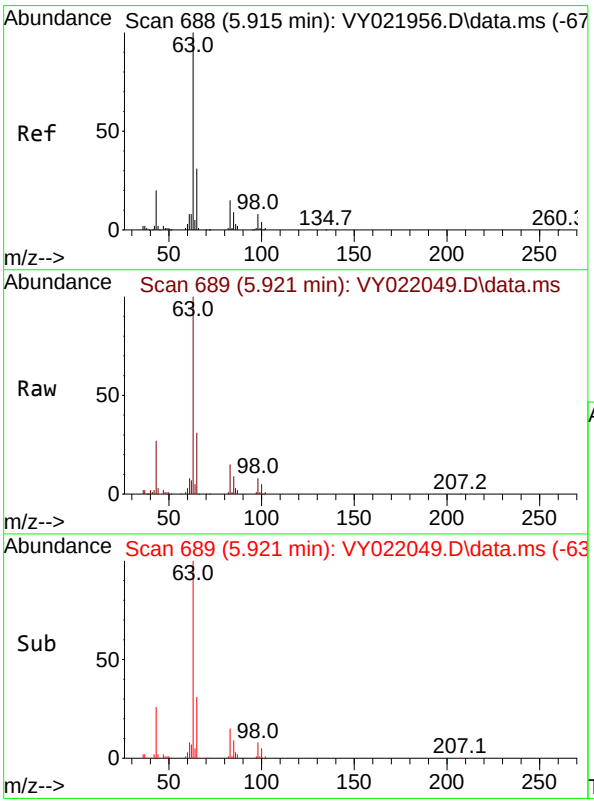
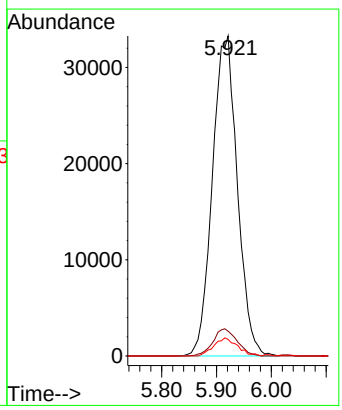
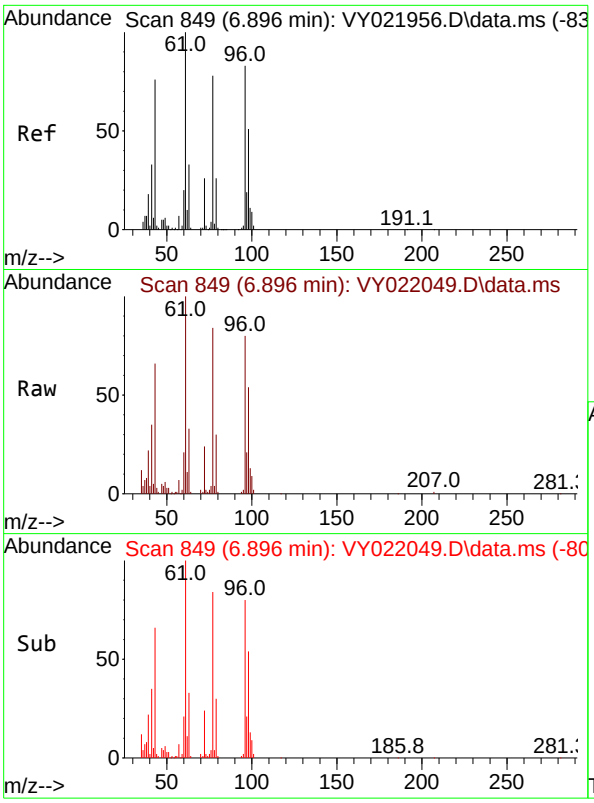


#24
1,1-Dichloroethane
Concen: 20.191 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 63 Resp: 105238

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	5.2	2.0	6.0





#25
2-Butanone
Concen: 96.354 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 5921

Ion	Ratio	Lower	Upper
43	100		
72	36.0	27.0	40.4

Instrument :
MSVOA_Y
ClientSampleId :
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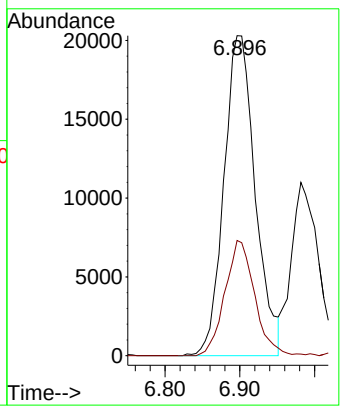
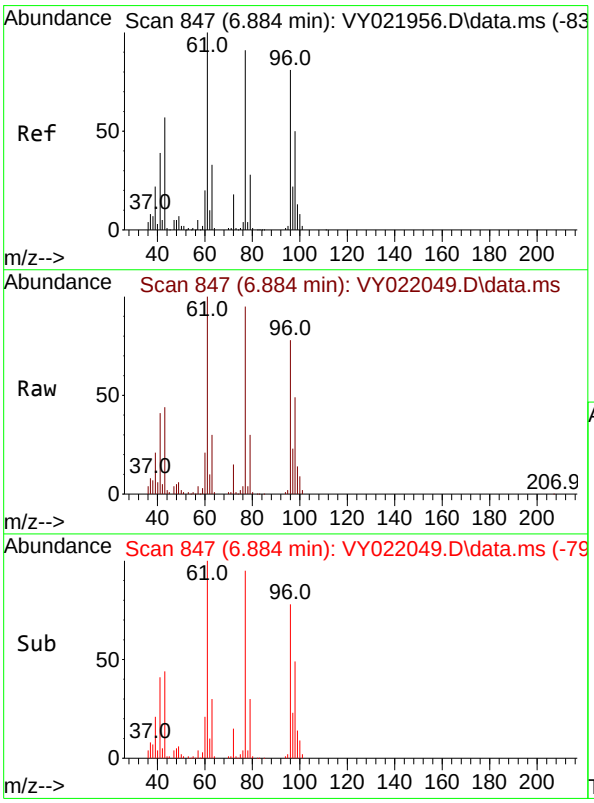
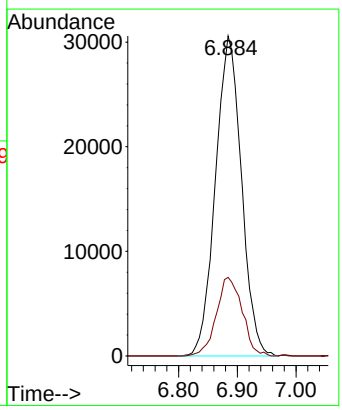


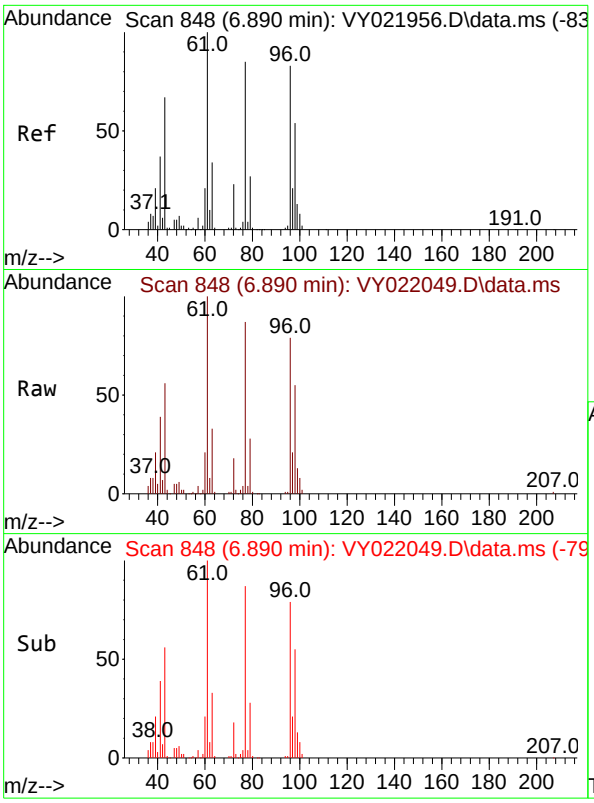


#26
2,2-Dichloropropane
Concen: 20.562 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 77 Resp: 93930

Ion	Ratio	Lower	Upper
77	100		
97	24.4	12.4	37.4

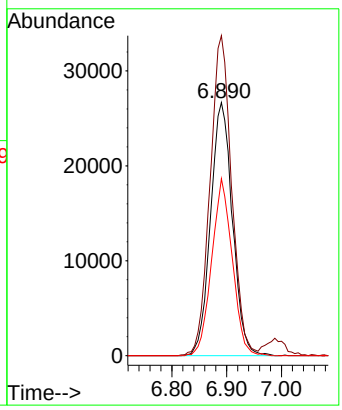




#27
cis-1,2-Dichloroethene
Concen: 20.310 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 96 Resp: 7380

Ion	Ratio	Lower	Upper
96	100		
61	124.9	0.0	251.4
98	65.8	0.0	128.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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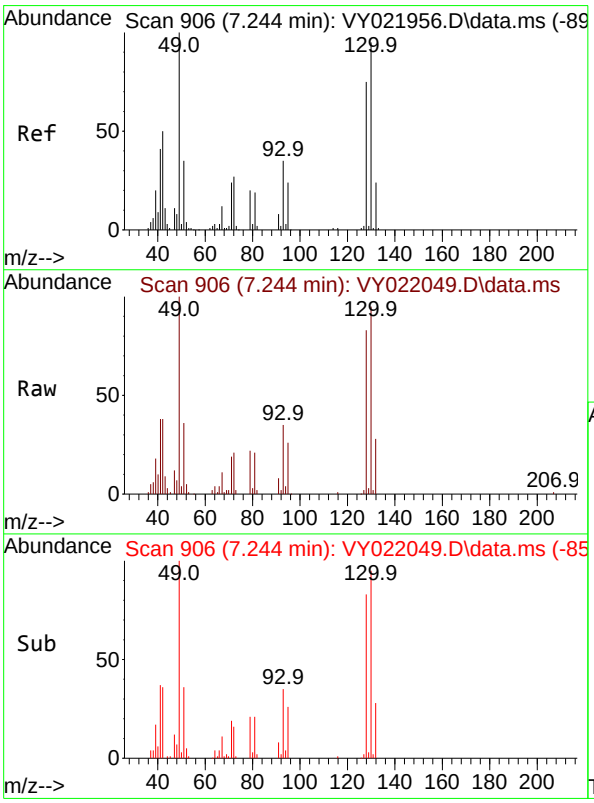
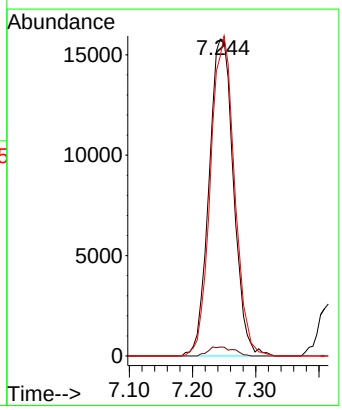
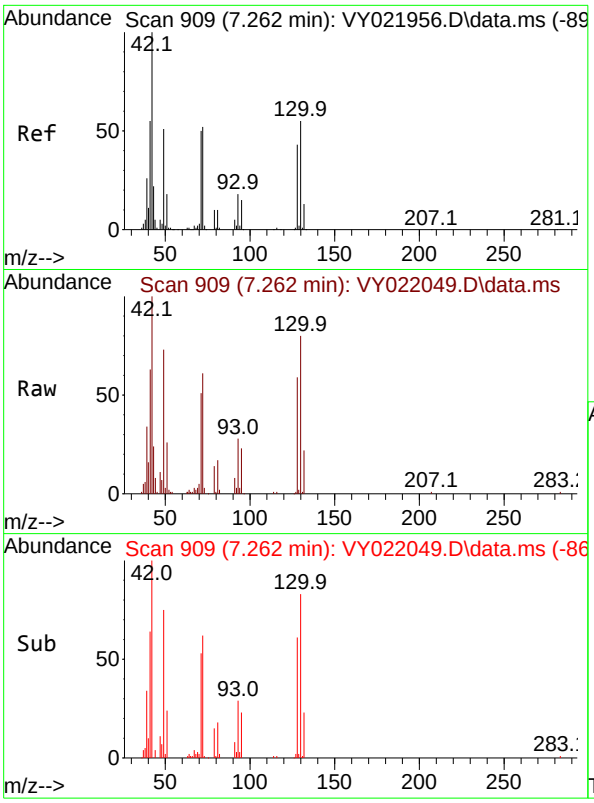


#28
Bromochloromethane
Concen: 20.983 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 49 Resp: 42480

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	99.0	78.2	117.4

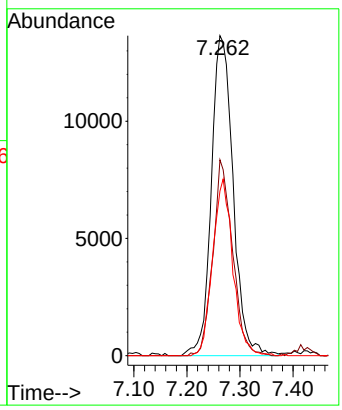




#29
Tetrahydrofuran
Concen: 97.667 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 42 Resp: 3898

Ion	Ratio	Lower	Upper
42	100		
72	55.2	42.6	63.8
71	51.2	40.6	61.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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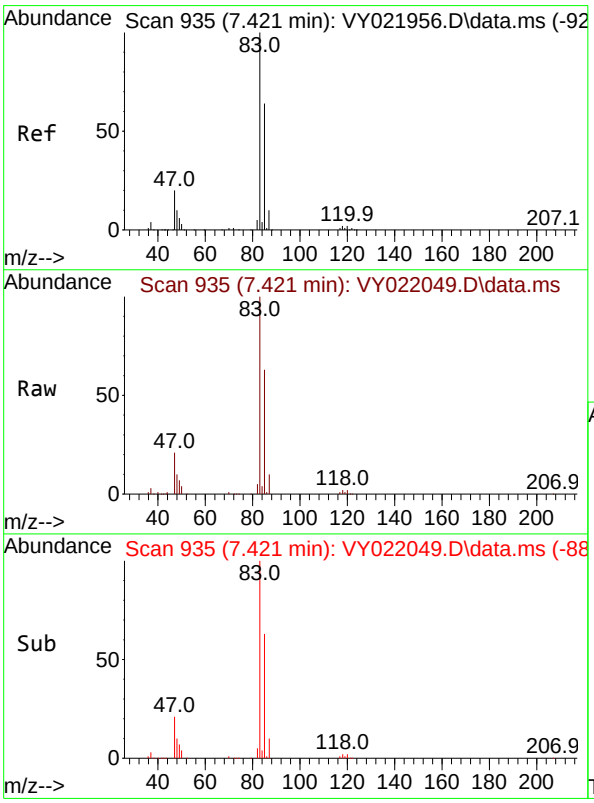
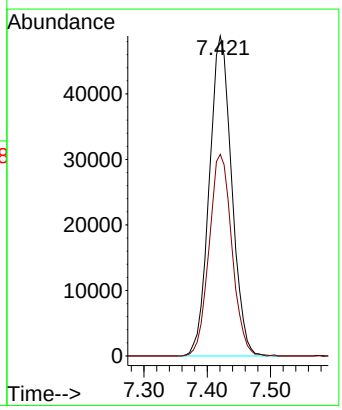
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

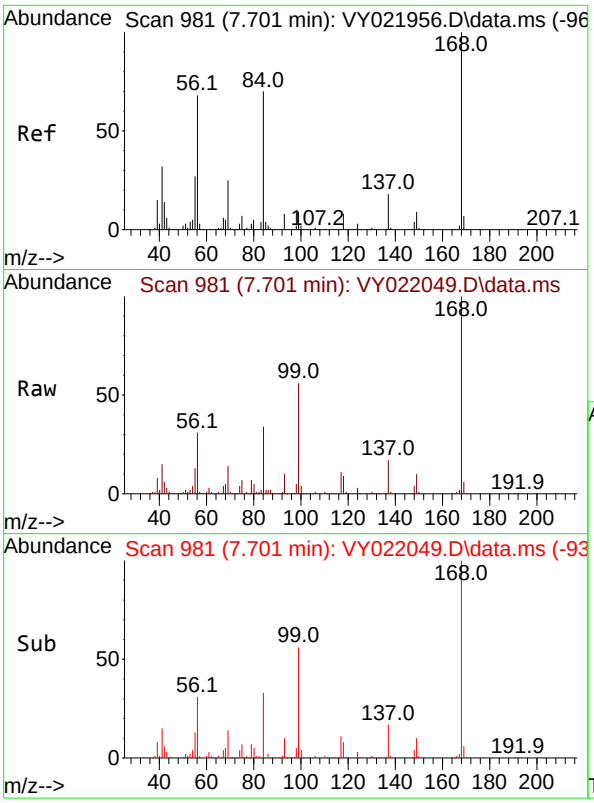


#30
Chloroform
Concen: 20.745 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 83 Resp: 119936

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.3	76.9





#31
Cyclohexane
Concen: 19.375 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 56 Resp: 8635

Ion	Ratio	Lower	Upper
56	100		
69	45.2	29.4	44.2
84	109.5	82.2	123.4

Instrument :
MSVOA_Y
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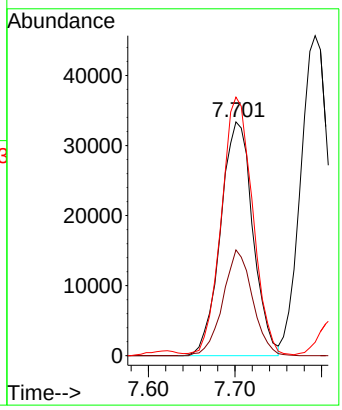
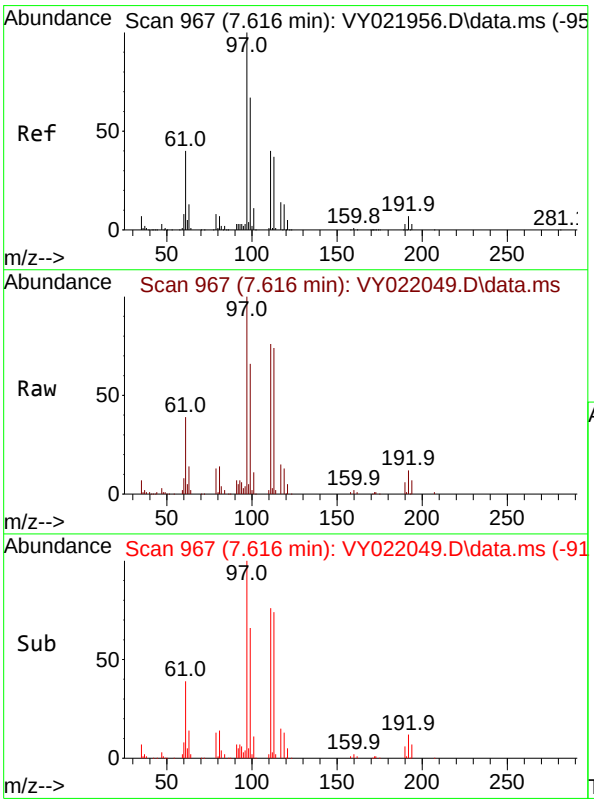
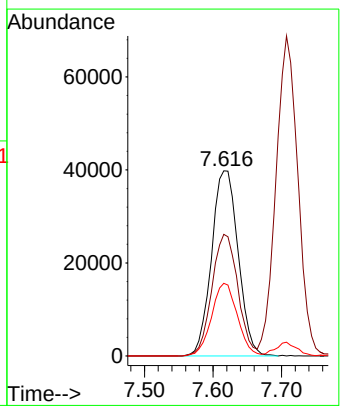


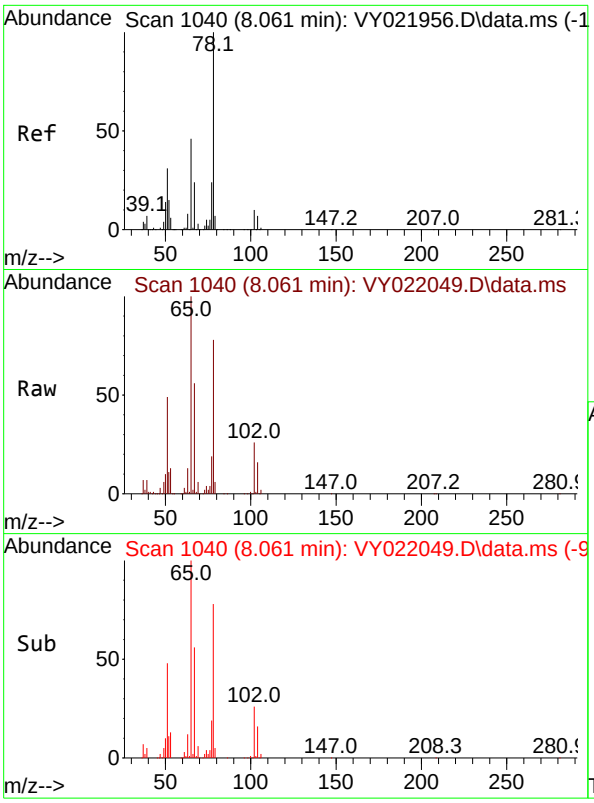


#32
1,1,1-Trichloroethane
Concen: 20.510 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 97 Resp: 107276

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	38.1	31.4	47.2





#33
1,2-Dichloroethane-d4
Concen: 49.306 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 65 Resp: 13294

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8

Instrument :
MSVOA_Y
ClientSampleId :
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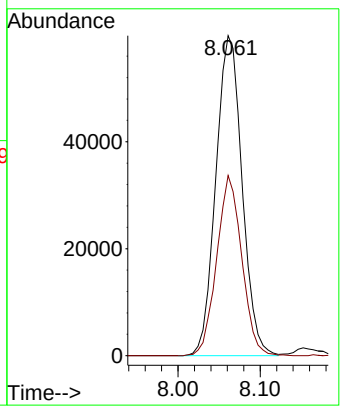
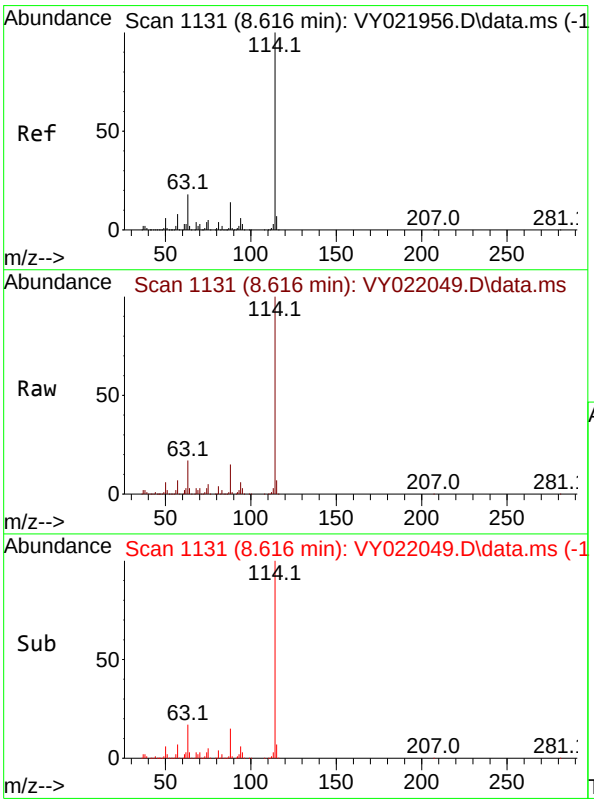
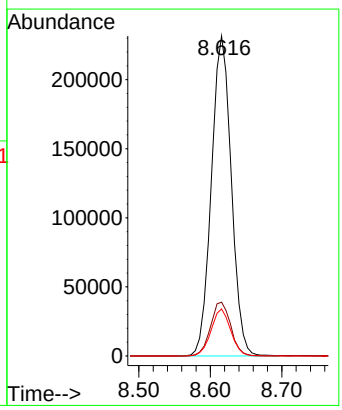


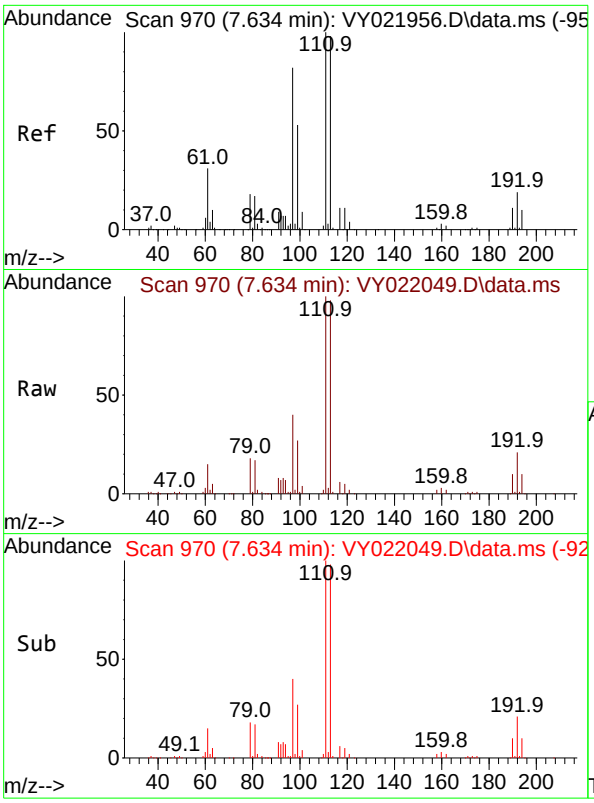


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:114 Resp: 448136

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.4
88	14.7	0.0	28.2

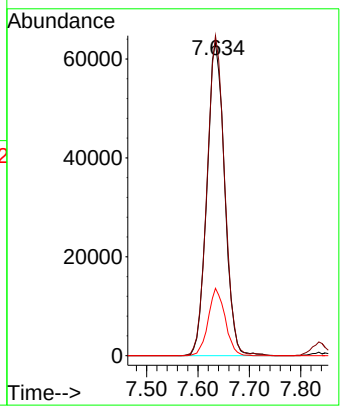




#35
Dibromofluoromethane
Concen: 51.093 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:113 Resp: 15126

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	20.6	15.6	23.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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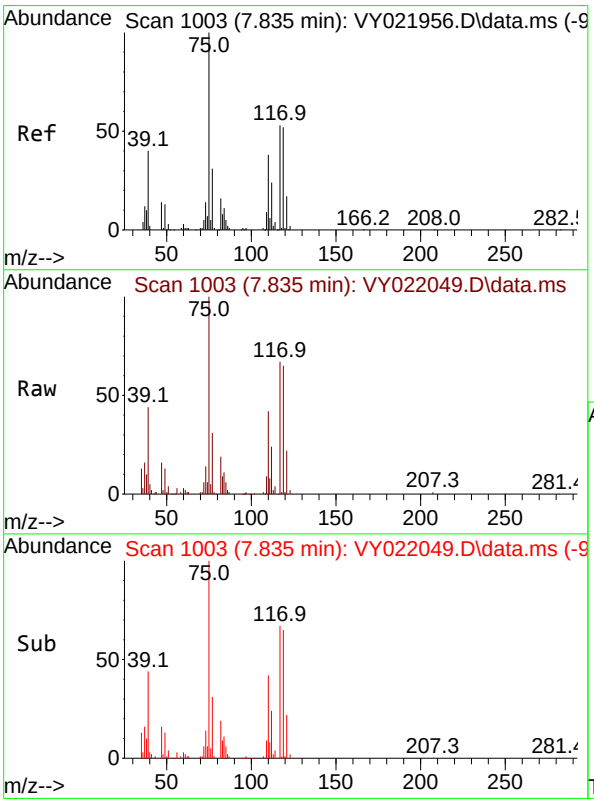
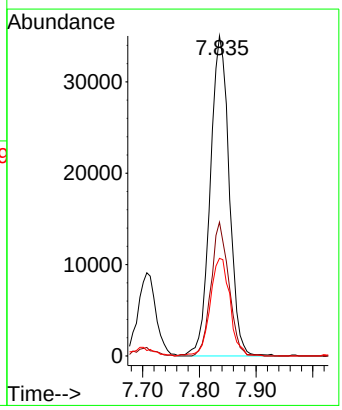
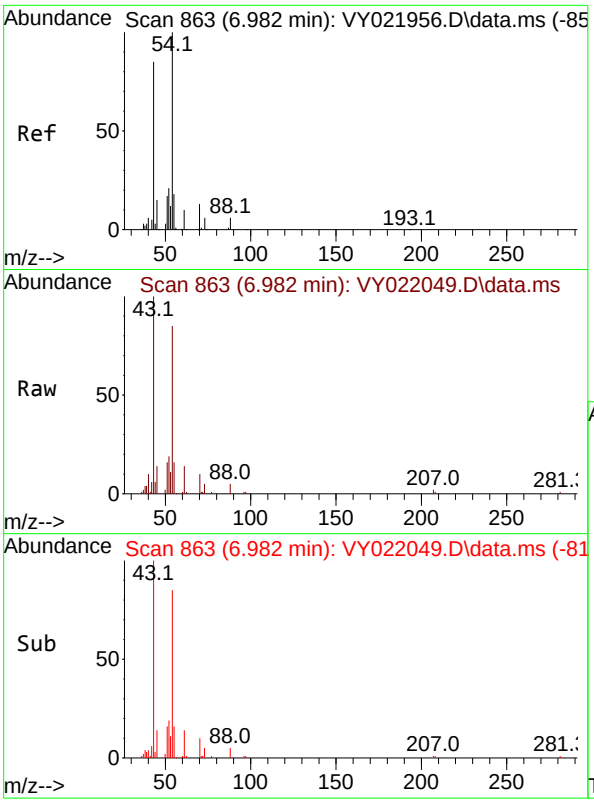


#36
1,1-Dichloropropene
Concen: 20.459 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 81364

Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.1	57.3
77	31.8	25.5	38.3





#37
Ethyl Acetate
Concen: 20.073 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 2867

Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.8	20.6
70	12.3	9.2	13.8

Instrument :
MSVOA_Y
ClientSampleId :
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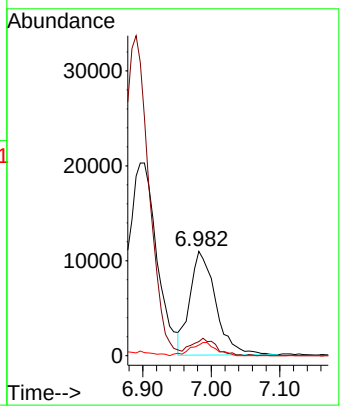
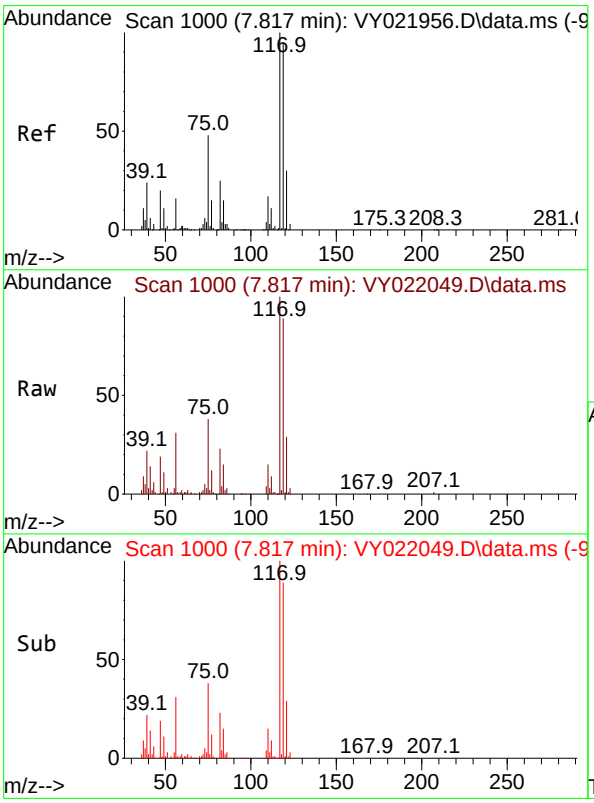
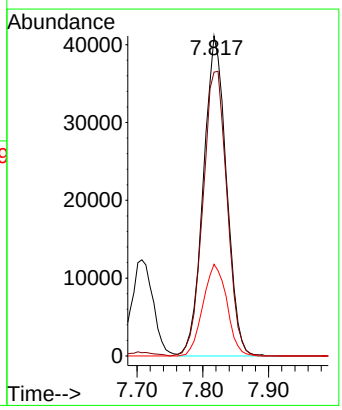


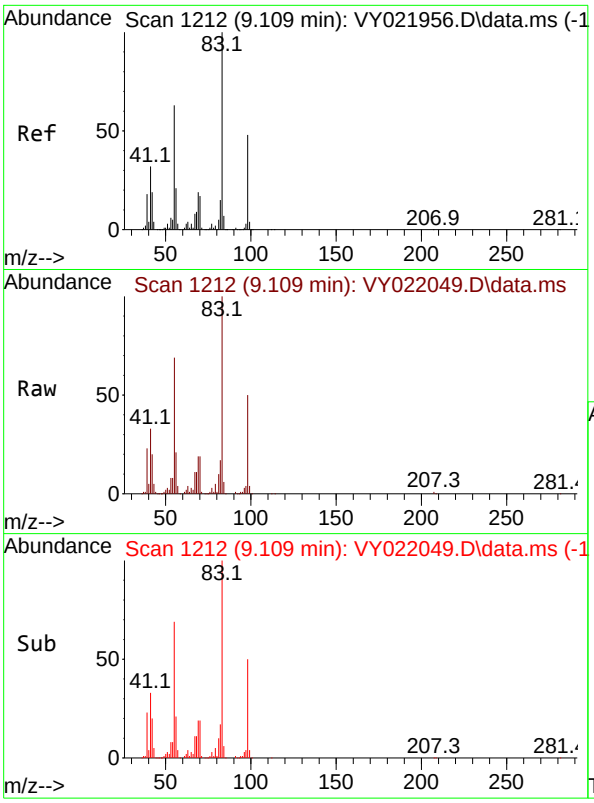


#38
Carbon Tetrachloride
Concen: 21.090 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:117 Resp: 100223

Ion	Ratio	Lower	Upper
117	100		
119	88.7	76.2	114.4
121	28.7	24.0	36.0





#39
Methylcyclohexane
Concen: 19.525 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 83 Resp: 9771

Ion	Ratio	Lower	Upper
83	100		
55	69.4	50.6	75.8
98	50.1	38.6	58.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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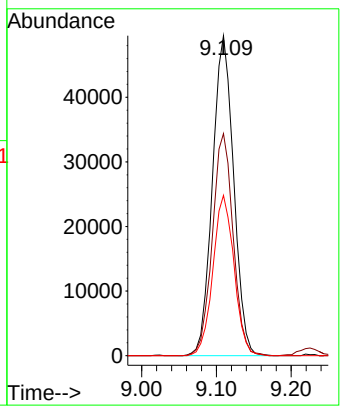
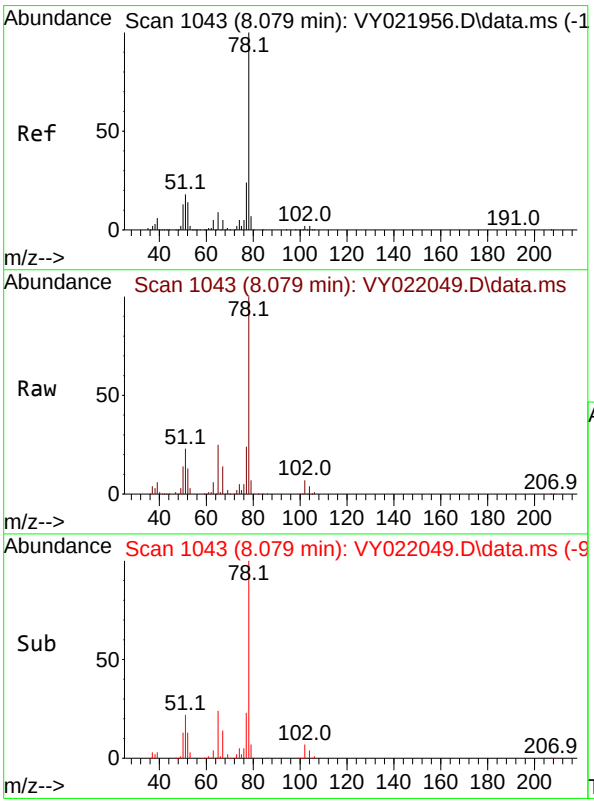
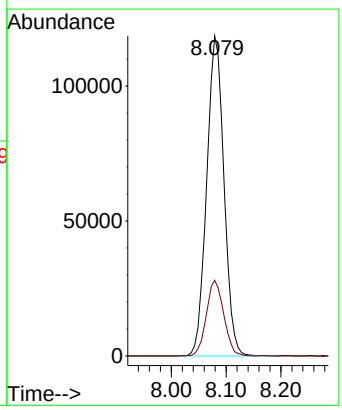


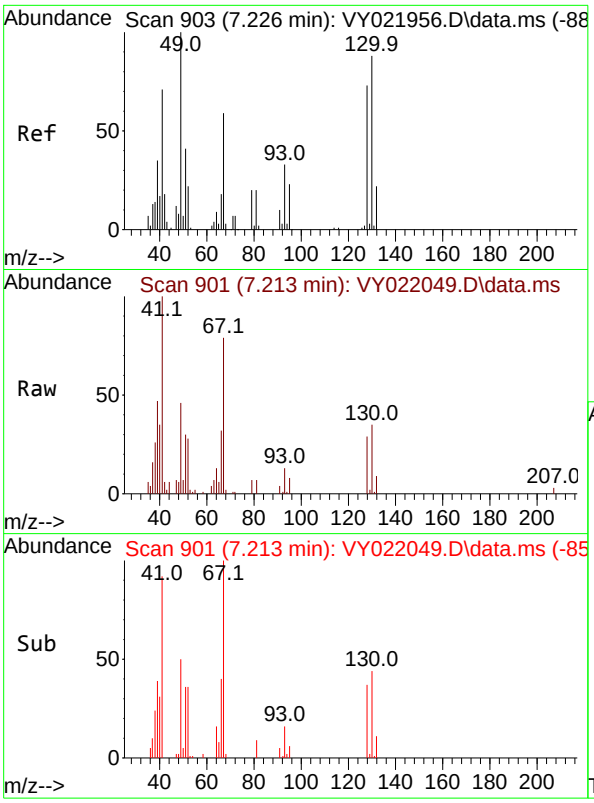


#40
Benzene
Concen: 20.843 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 78 Resp: 259113

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9

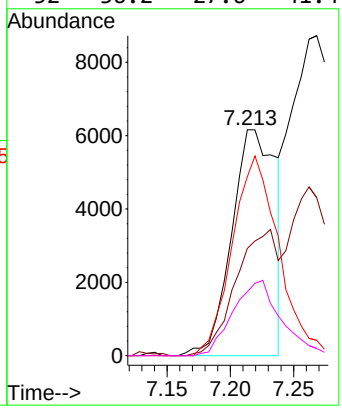




#41
Methacrylonitrile
Concen: 19.128 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 41 Resp: 1493

Ion	Ratio	Lower	Upper
41	100		
39	52.6	36.6	55.0
67	94.4	72.2	108.4
52	36.2	27.6	41.4



Instrument :
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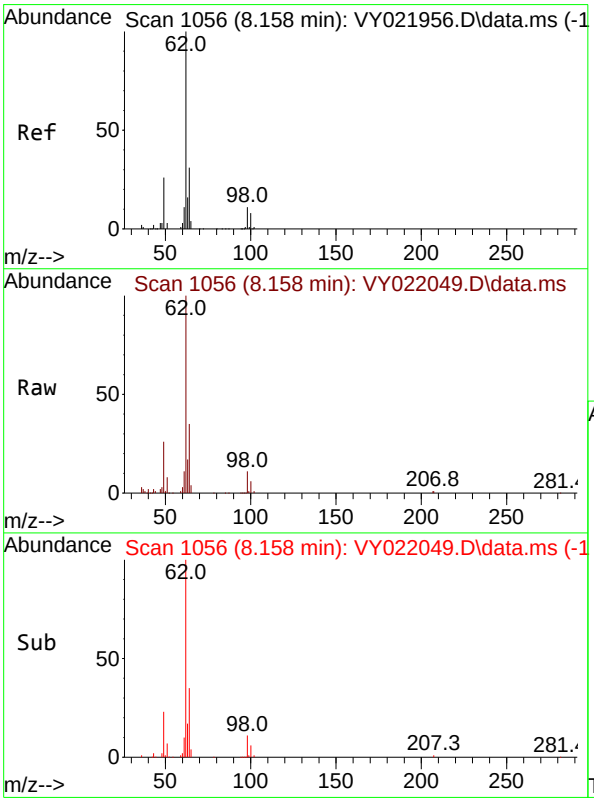
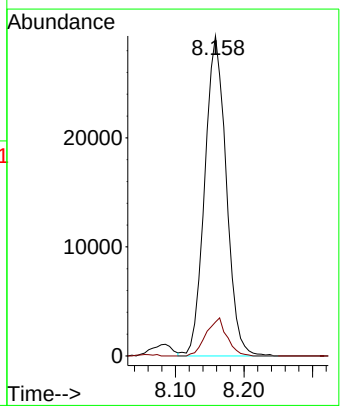
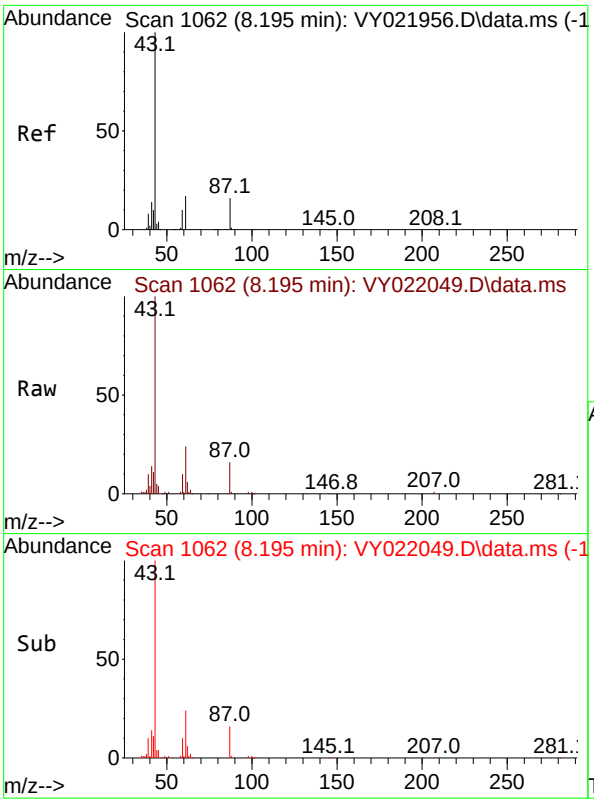


#42
1,2-Dichloroethane
Concen: 20.786 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 62 Resp: 63977

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	22.0





#43
Isopropyl Acetate
Concen: 19.838 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 5441

Ion	Ratio	Lower	Upper
43	100		
61	21.9	18.9	28.3
87	18.2	13.7	20.5

Instrument :
MSVOA_Y
ClientSampleId :
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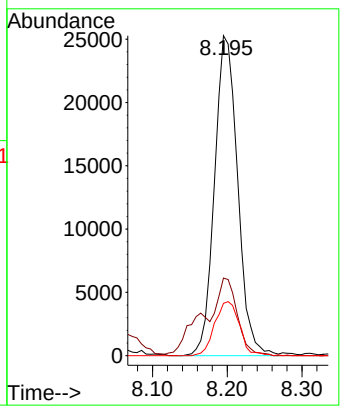
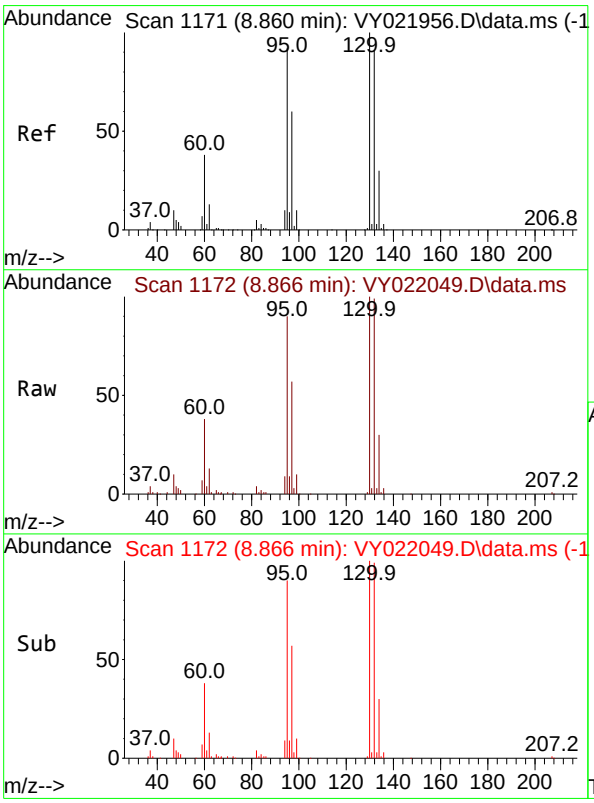
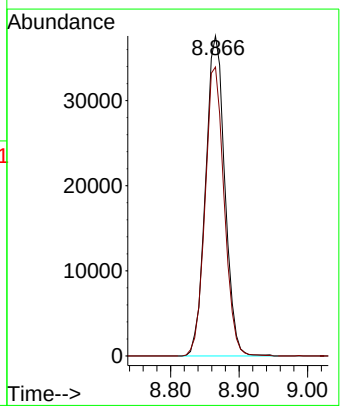


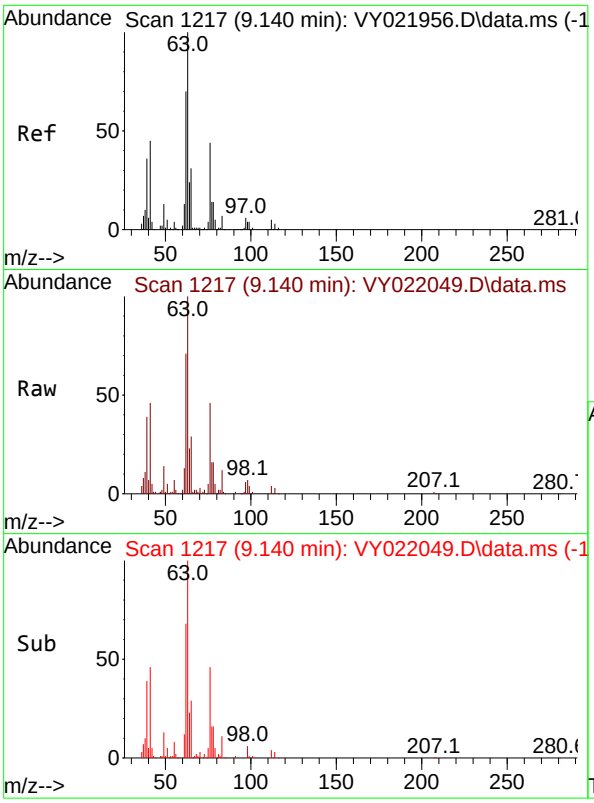


#44
Trichloroethene
Concen: 21.269 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:130 Resp: 73238

Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	183.2





#45
1,2-Dichloropropane
Concen: 21.161 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 63 Resp: 5817

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.2	37.8

Instrument :
MSVOA_Y
ClientSampleId :
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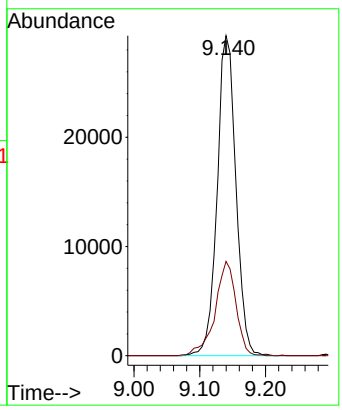
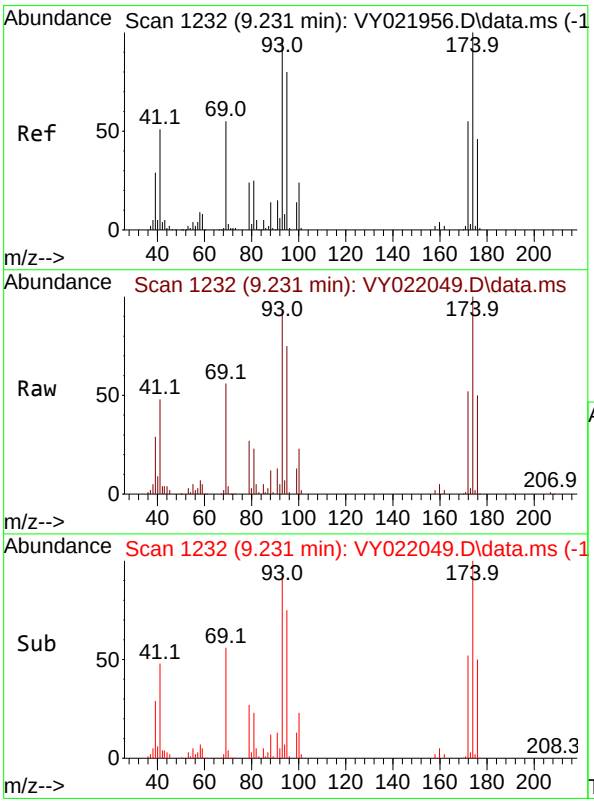
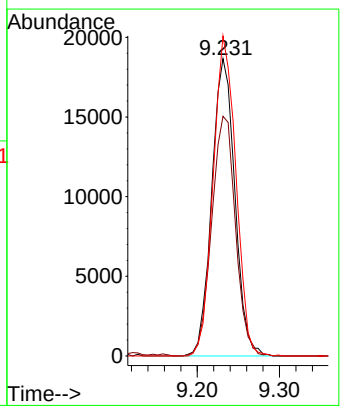


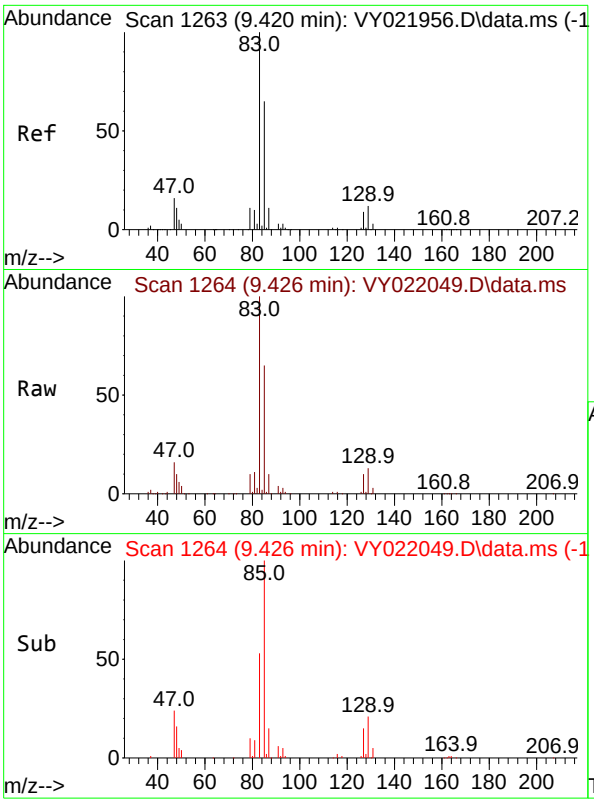


#46
Dibromomethane
Concen: 21.115 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 93 Resp: 36339

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.7	100.1
174	106.4	84.6	127.0

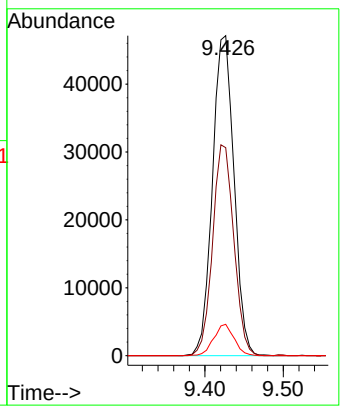




#47
Bromodichloromethane
Concen: 20.937 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 83 Resp: 9001

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	9.8	7.0	10.6



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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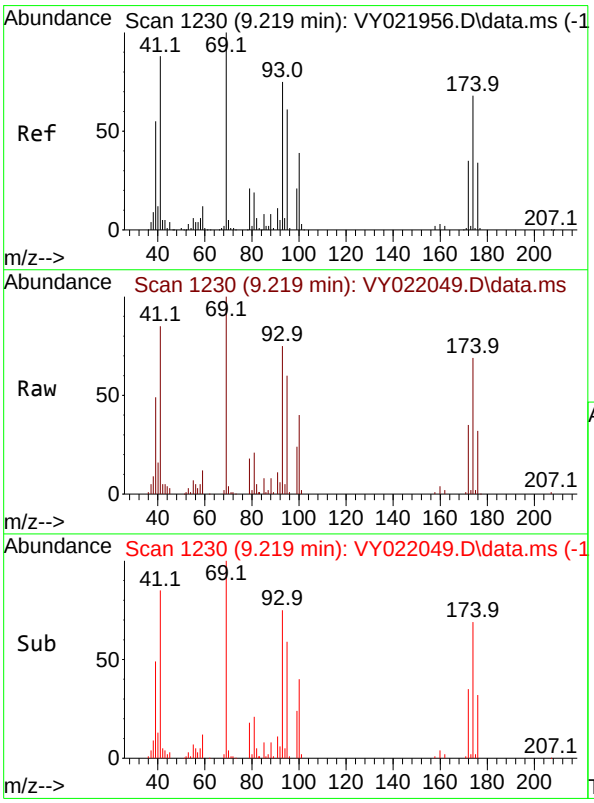
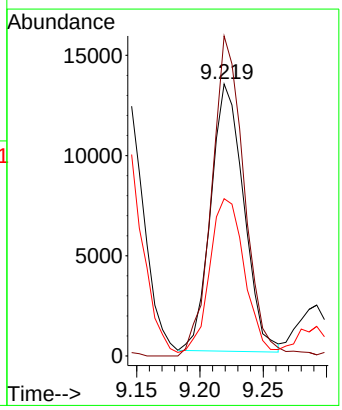
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

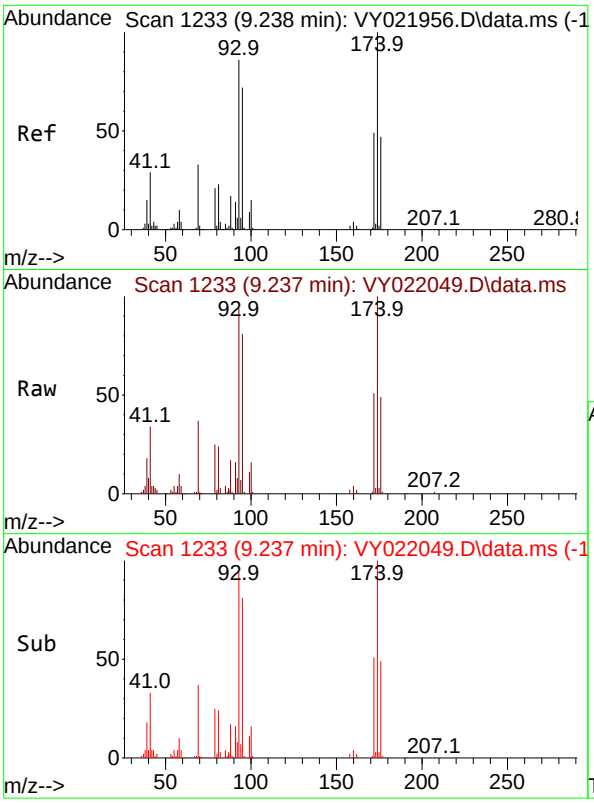


#48
Methyl methacrylate
Concen: 19.048 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 41 Resp: 24153

Ion	Ratio	Lower	Upper
41	100		
69	117.9	85.5	128.3
39	62.0	46.2	69.4





#49
1,4-Dioxane
Concen: 395.905 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 88 Resp: 726

Ion	Ratio	Lower	Upper
88	100		
43	28.4	21.3	31.9
58	56.9	50.5	75.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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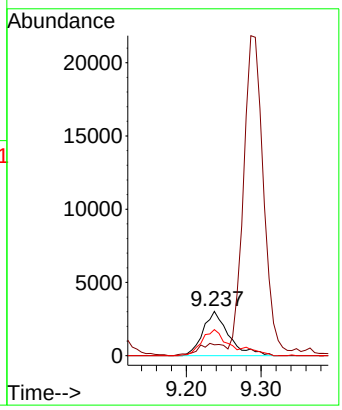
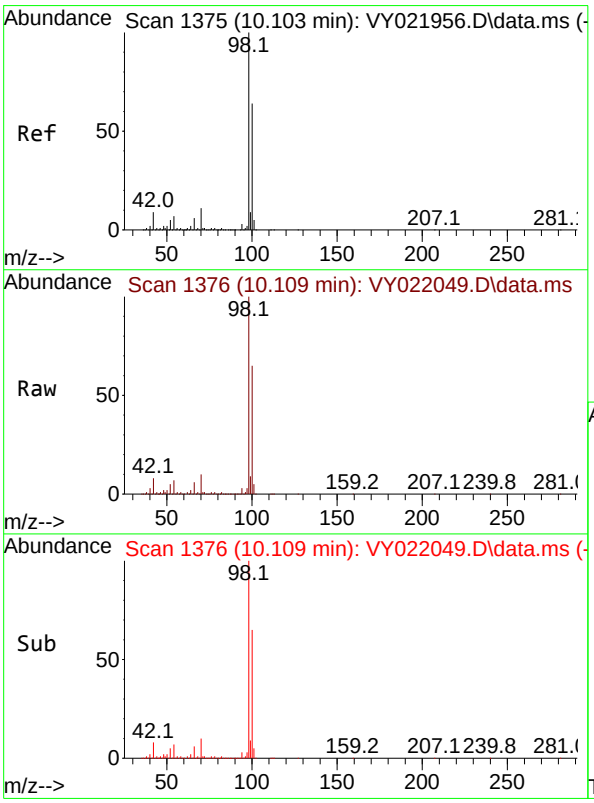
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

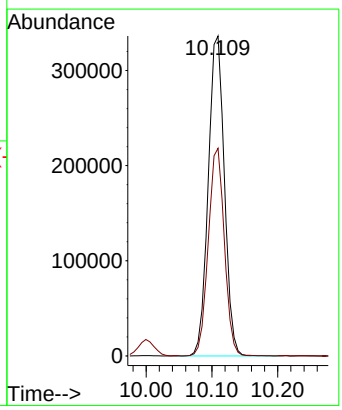


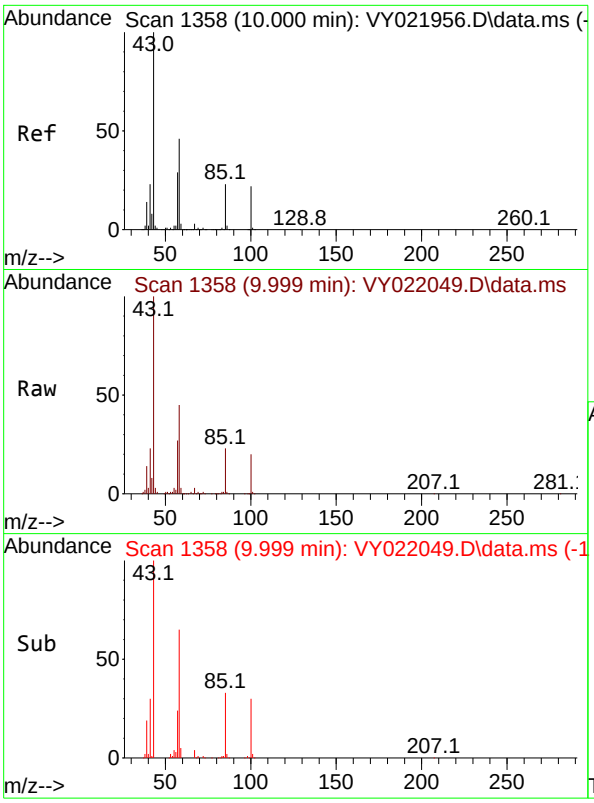


#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 98 Resp: 574864

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





#51
4-Methyl-2-Pentanone
Concen: 100.935 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 14513

Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.6	55.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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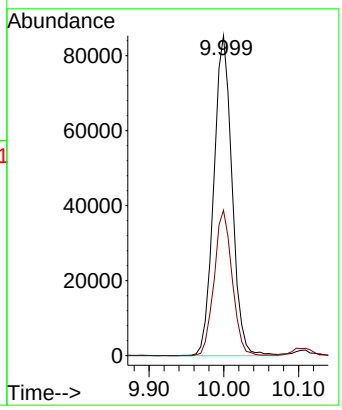
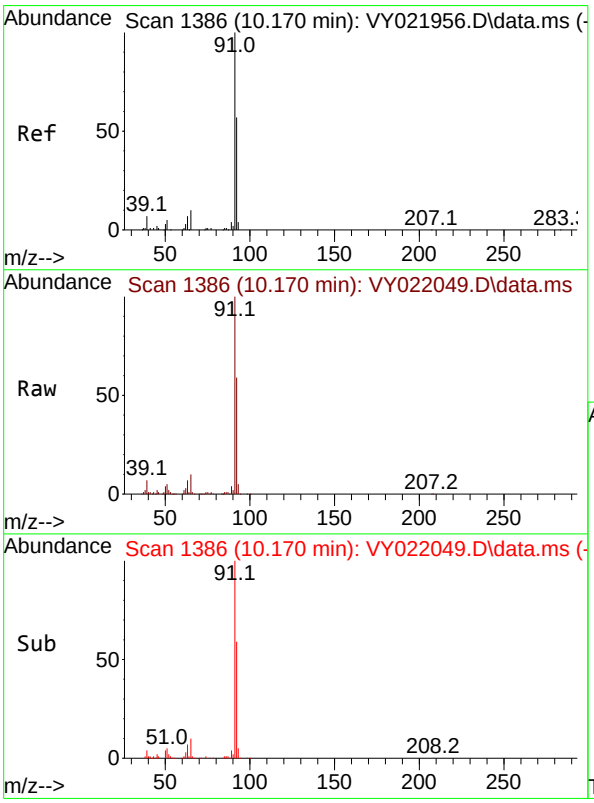
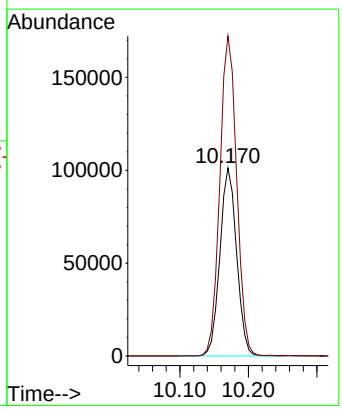


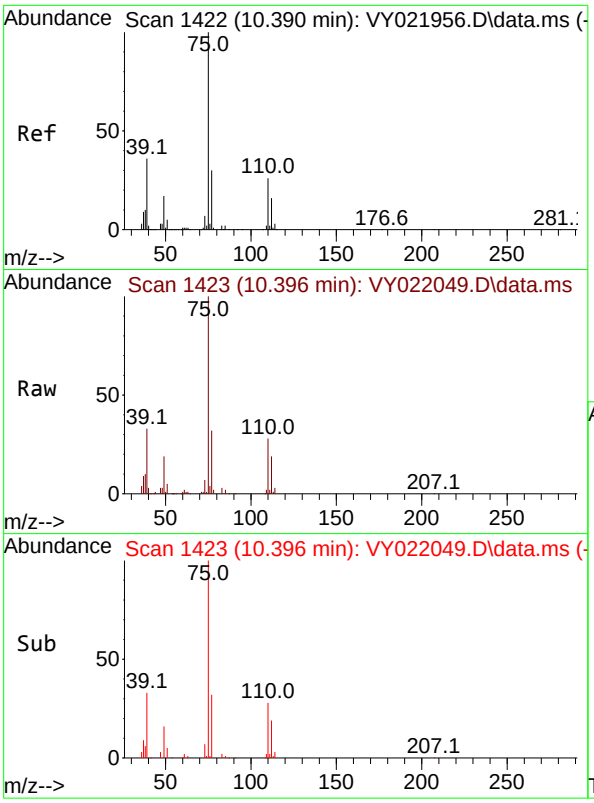


#52
Toluene
Concen: 21.179 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 92 Resp: 170433

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.6	207.8





#53
t-1,3-Dichloropropene
Concen: 20.246 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 7465

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.0	36.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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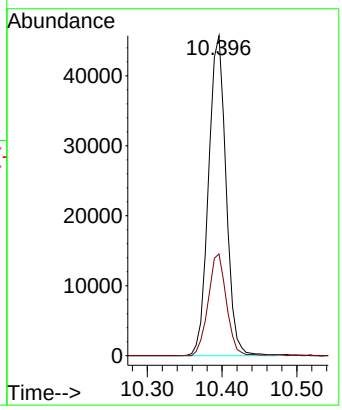
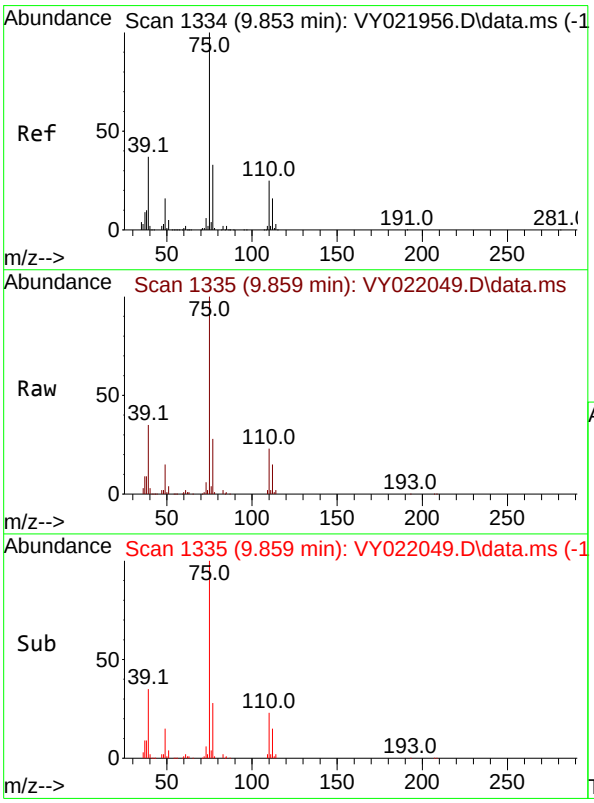
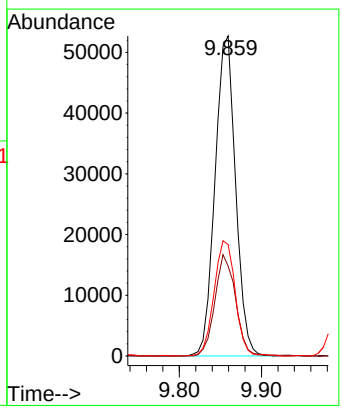


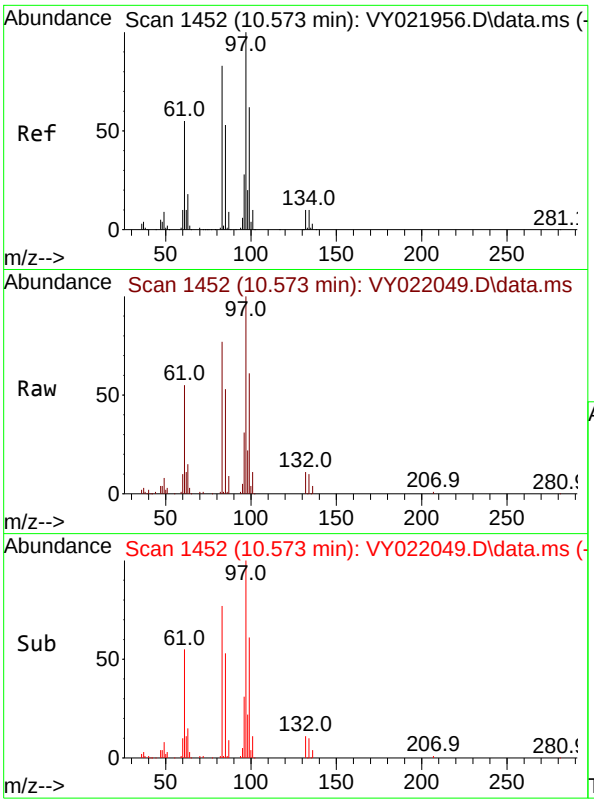


#54
cis-1,3-Dichloropropene
Concen: 20.894 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 91589

Ion	Ratio	Lower	Upper
75	100		
77	28.1	26.6	40.0
39	34.7	29.6	44.4

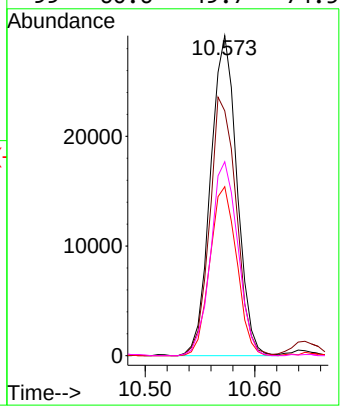




#55
1,1,2-Trichloroethane
Concen: 21.310 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 97 Resp: 4898

Ion	Ratio	Lower	Upper
97	100		
83	76.5	66.7	100.1
85	52.8	42.6	64.0
99	60.6	49.7	74.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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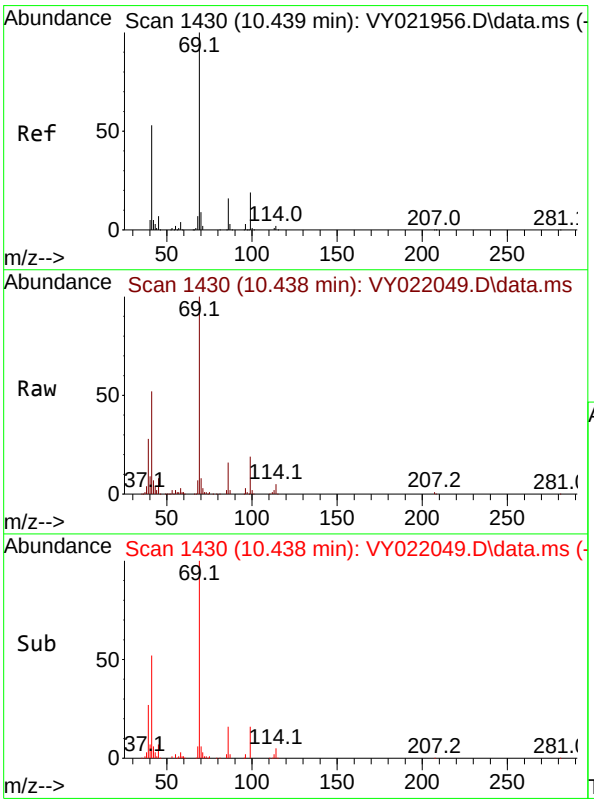
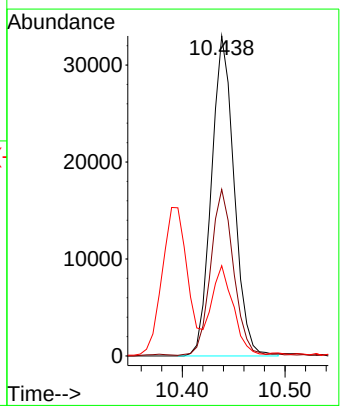
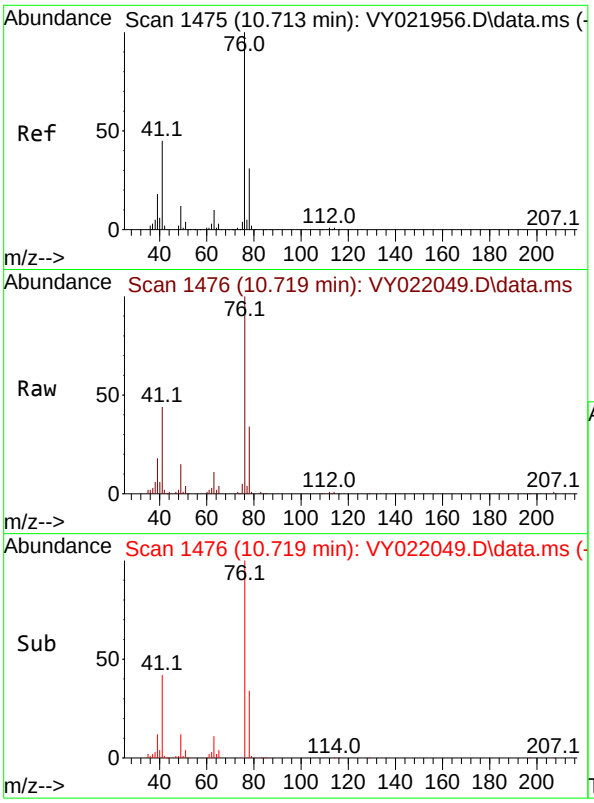


#56
Ethyl methacrylate
Concen: 19.251 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 69 Resp: 50609

Ion	Ratio	Lower	Upper
69	100		
41	52.2	40.7	61.1
39	25.8	23.3	34.9





#57
1,3-Dichloropropane
Concen: 20.630 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 76 Resp: 7602

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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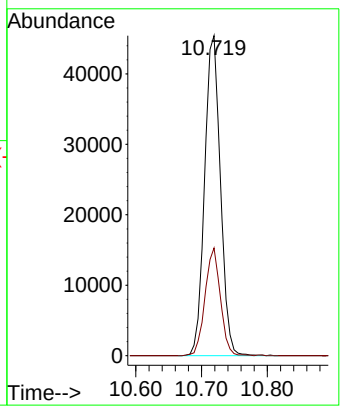
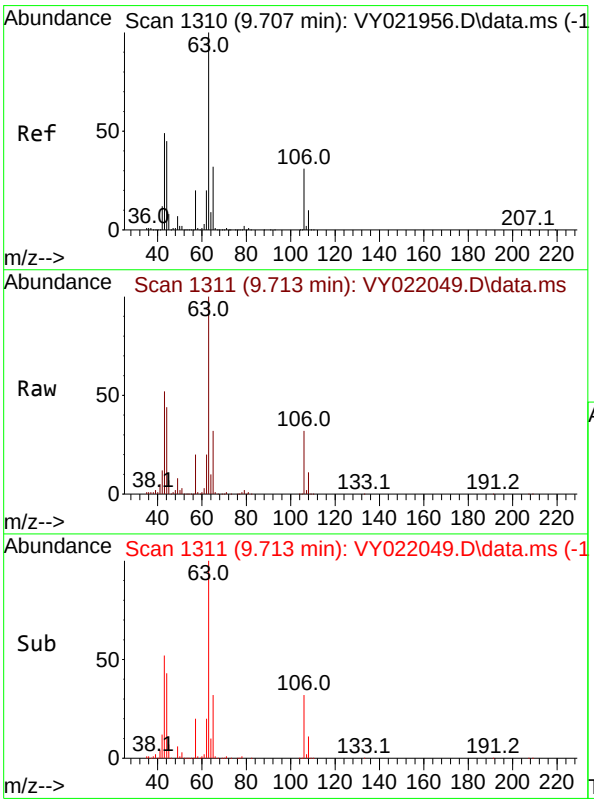
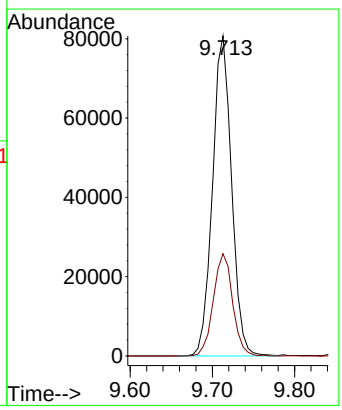


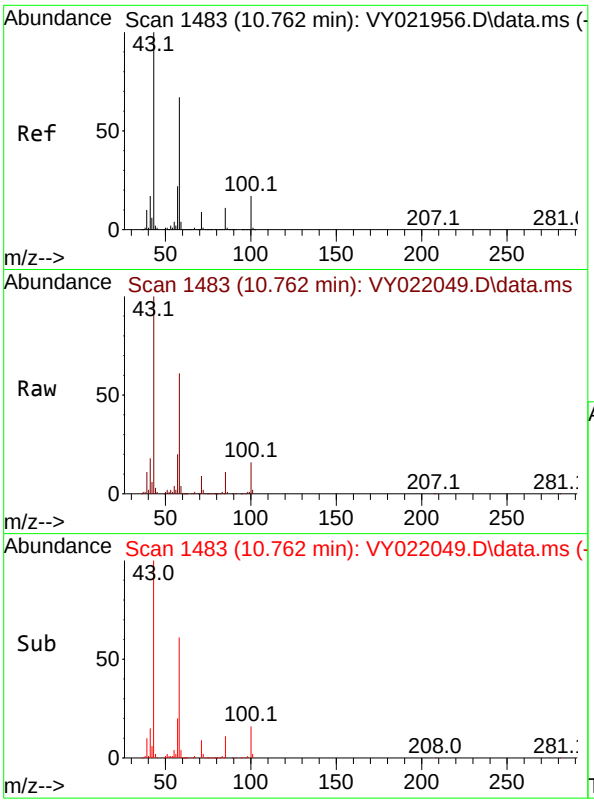


#58
2-Chloroethyl Vinyl ether
Concen: 101.254 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 63 Resp: 130145

Ion	Ratio	Lower	Upper
63	100		
106	32.3	25.3	37.9





#59
2-Hexanone
Concen: 97.370 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 9234

Ion	Ratio	Lower	Upper
43	100		
58	61.6	32.0	96.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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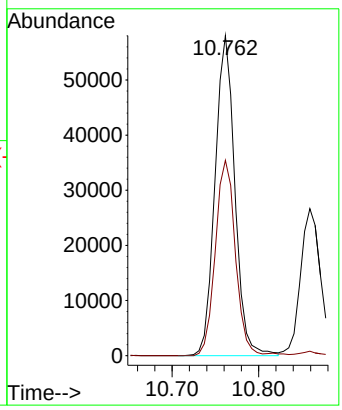
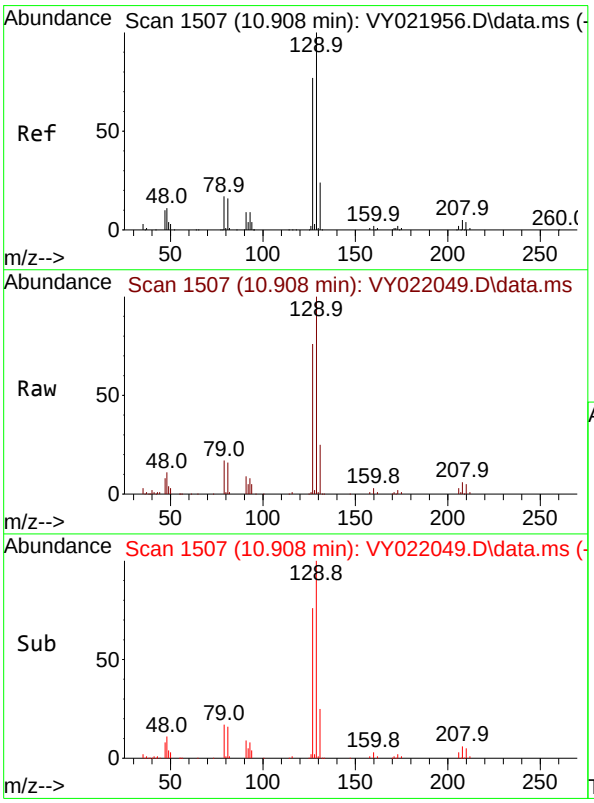
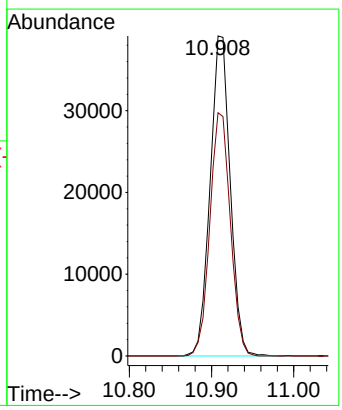


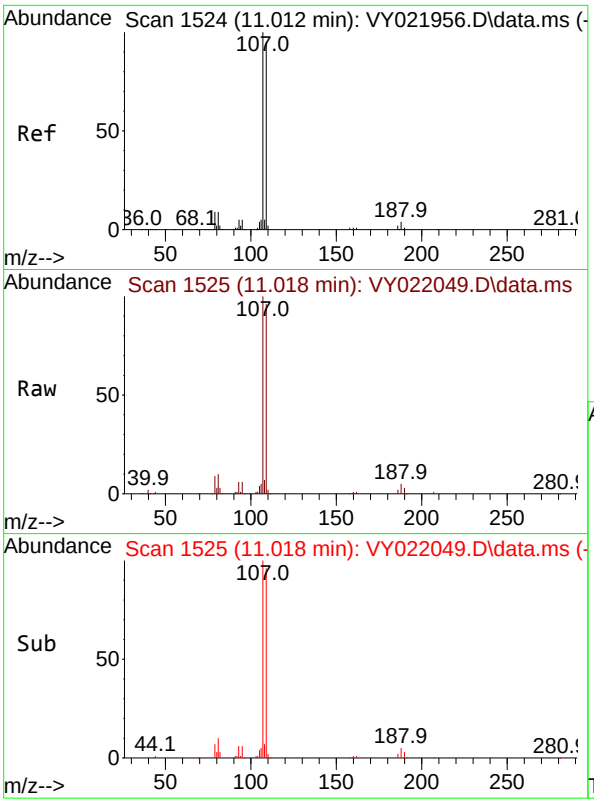


#60
Dibromochloromethane
Concen: 20.913 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:129 Resp: 66559

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.3





#61
1,2-Dibromoethane
Concen: 20.737 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:107 Resp: 4500

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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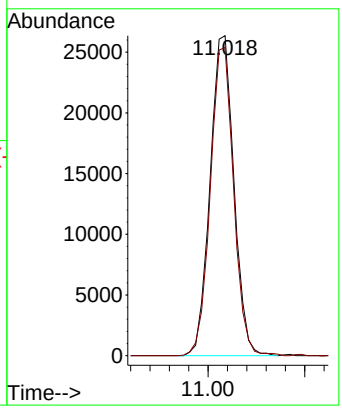
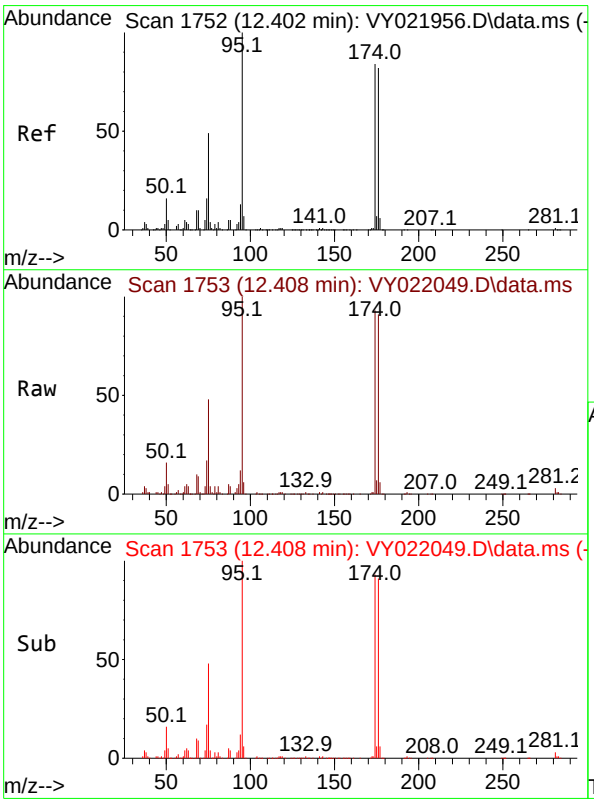
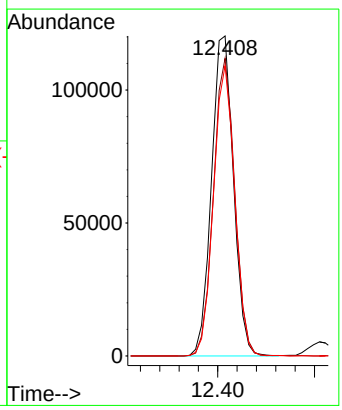


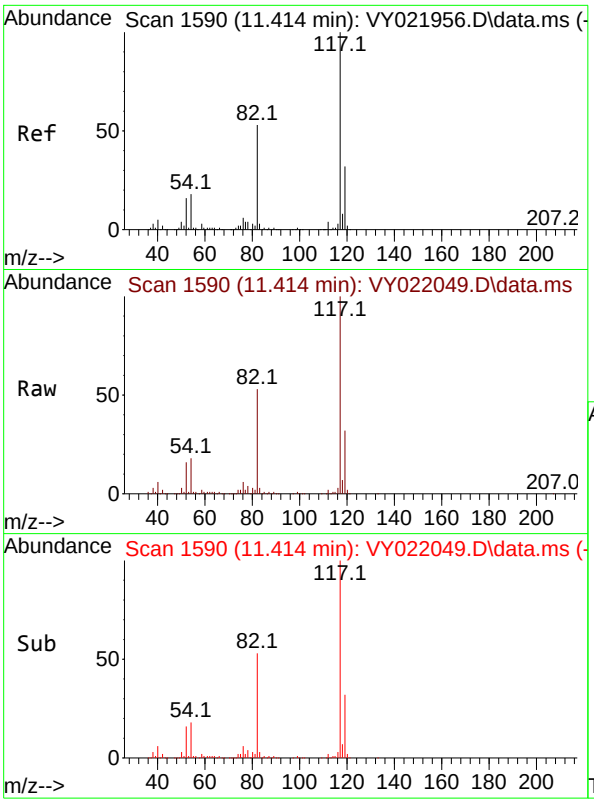


#62
4-Bromofluorobenzene
Concen: 50.506 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 95 Resp: 189774

Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	179.0
176	87.7	0.0	171.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:117 Resp: 40994

Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.1	63.1
119	32.4	25.7	38.5

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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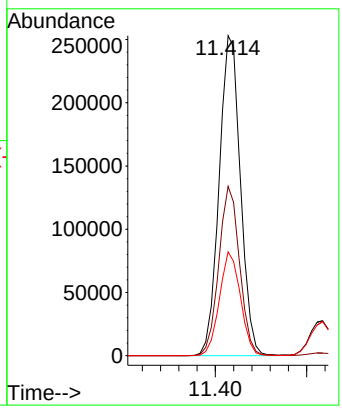
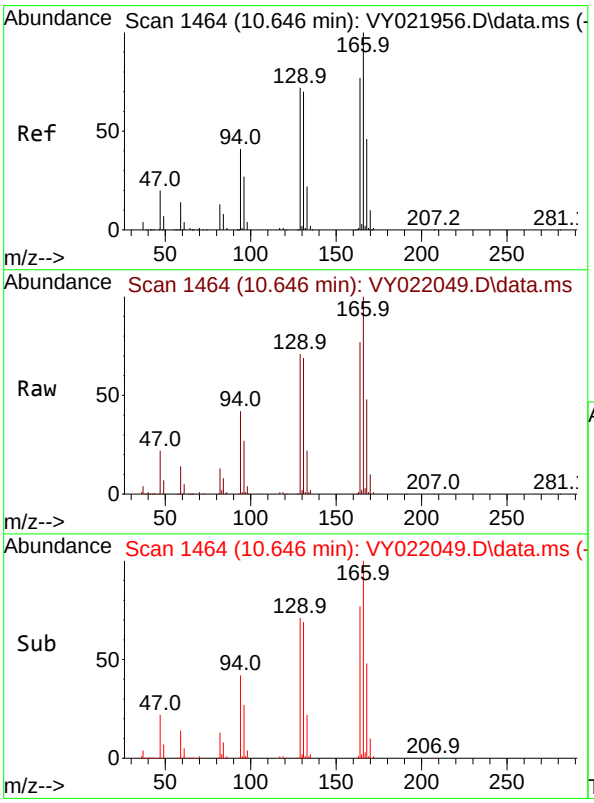
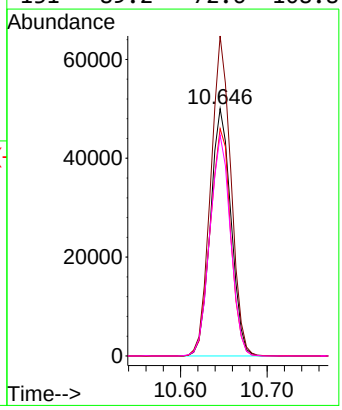


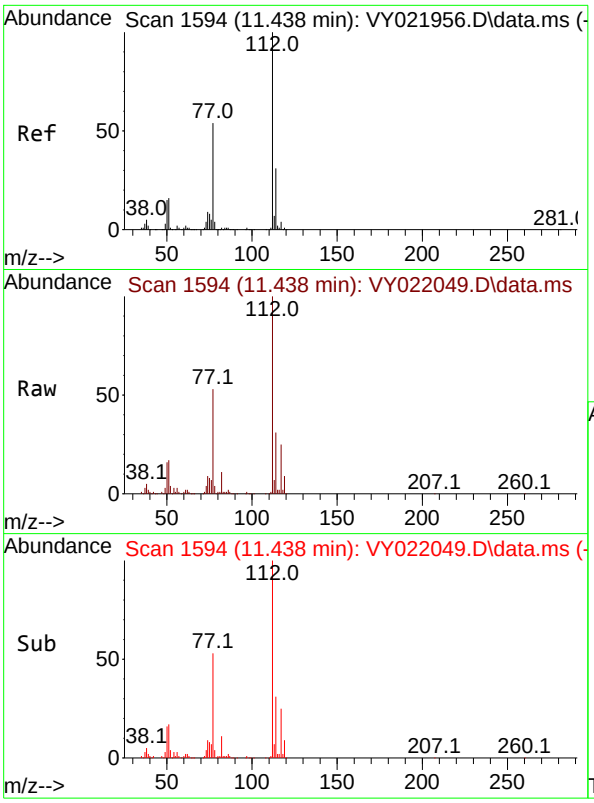


#64
Tetrachloroethene
Concen: 21.341 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:164 Resp: 82533

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.6	155.4
129	91.9	74.2	111.4
131	89.2	72.6	108.8





#65
Chlorobenzene
Concen: 20.626 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:112 Resp: 18908

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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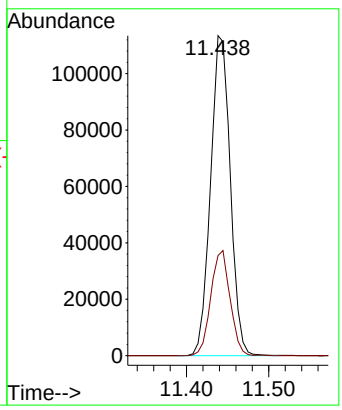
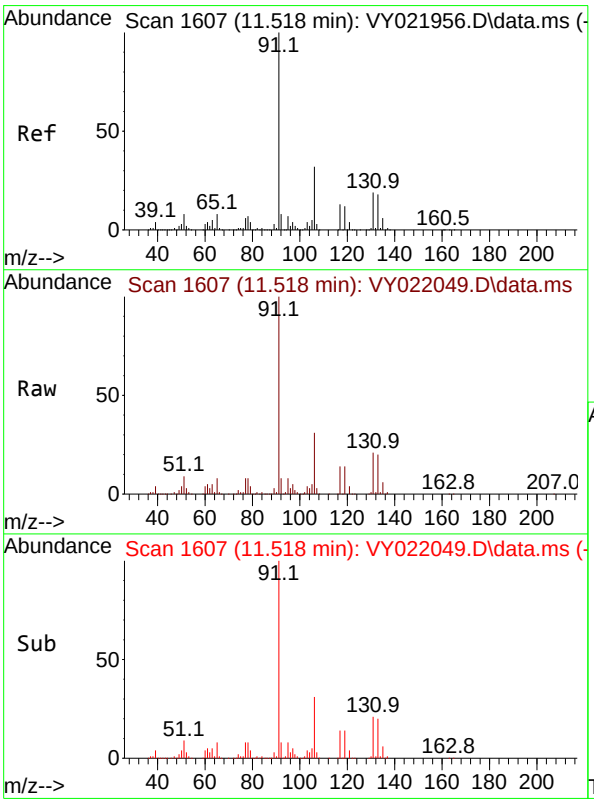
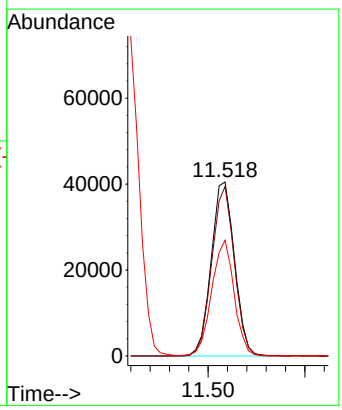


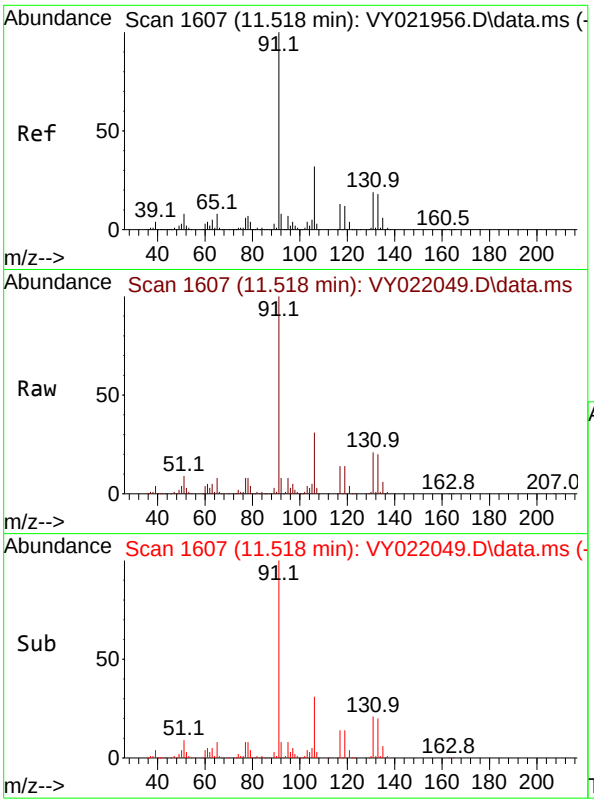


#66
1,1,1,2-Tetrachloroethane
Concen: 20.976 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:131 Resp: 67699

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.8	143.3
119	64.1	32.4	97.0





#67
Ethyl Benzene
Concen: 20.051 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 91 Resp: 30069

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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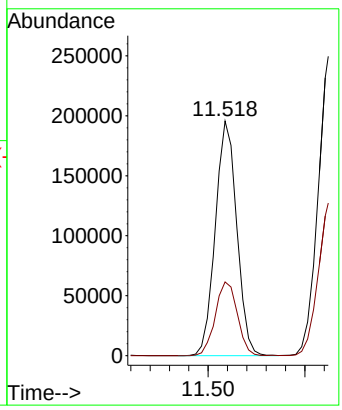
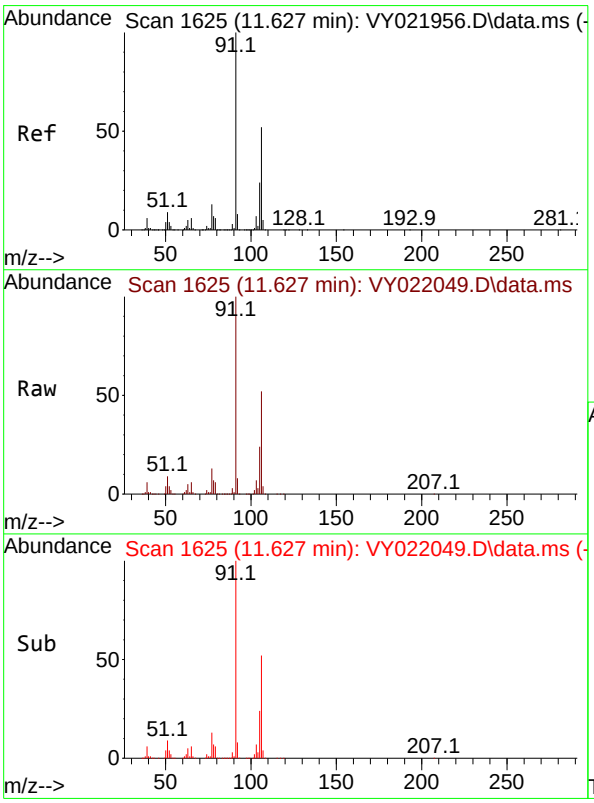
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

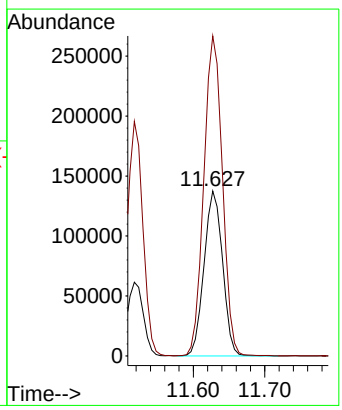


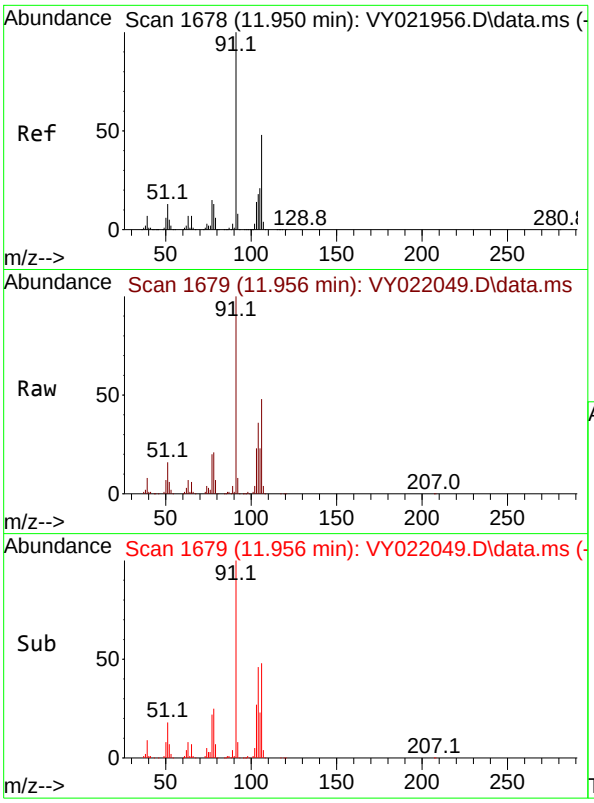


#68
m/p-Xylenes
Concen: 41.372 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:106 Resp: 246885

Ion	Ratio	Lower	Upper
106	100		
91	195.0	156.2	234.2





#69
o-Xylene
Concen: 20.384 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:106 Resp: 11211

Ion	Ratio	Lower	Upper
106	100		
91	205.7	103.0	308.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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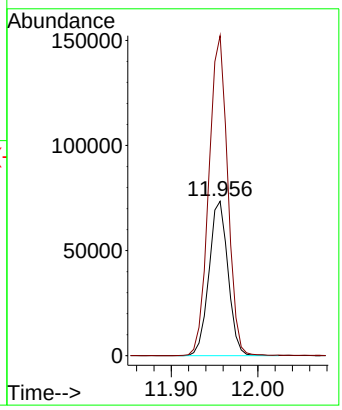
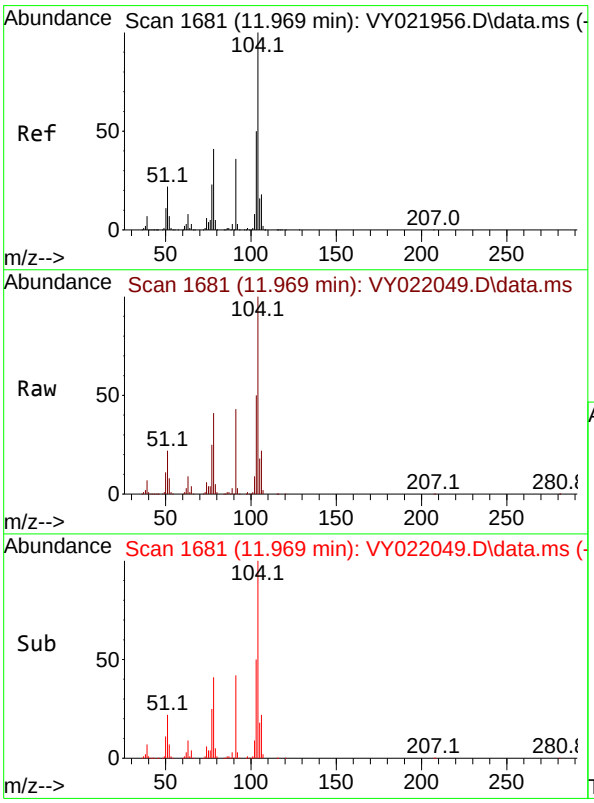
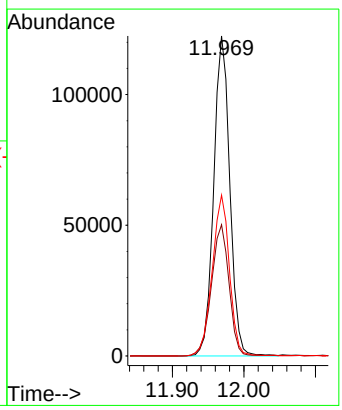


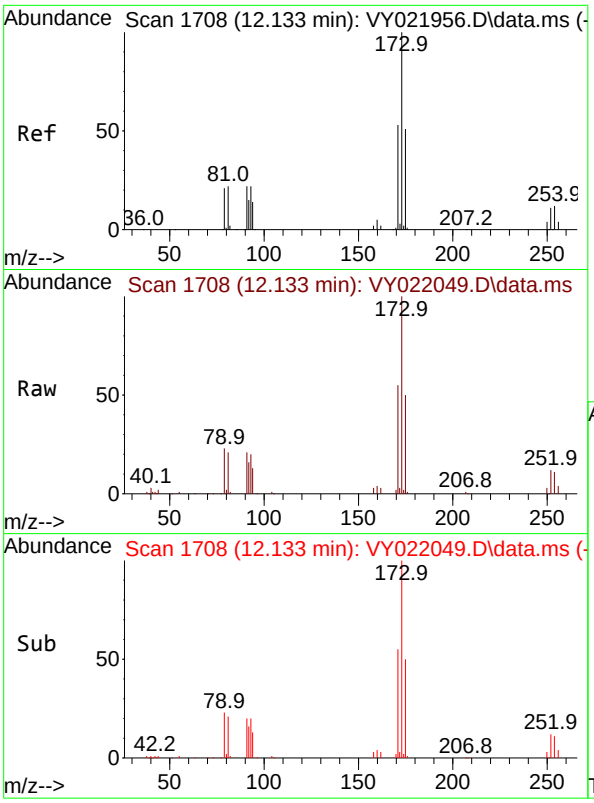


#70
Styrene
Concen: 20.688 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:104 Resp: 191054

Ion	Ratio	Lower	Upper
104	100		
78	44.9	36.6	54.8
103	53.8	43.8	65.8

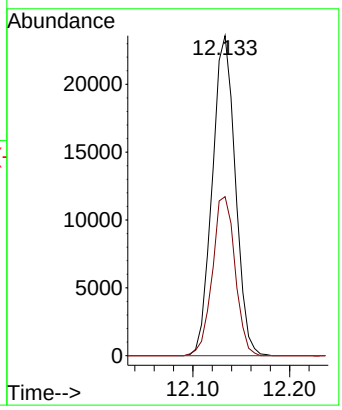




#71
Bromoform
Concen: 20.745 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:173 Resp: 3892

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.0	0.0	0.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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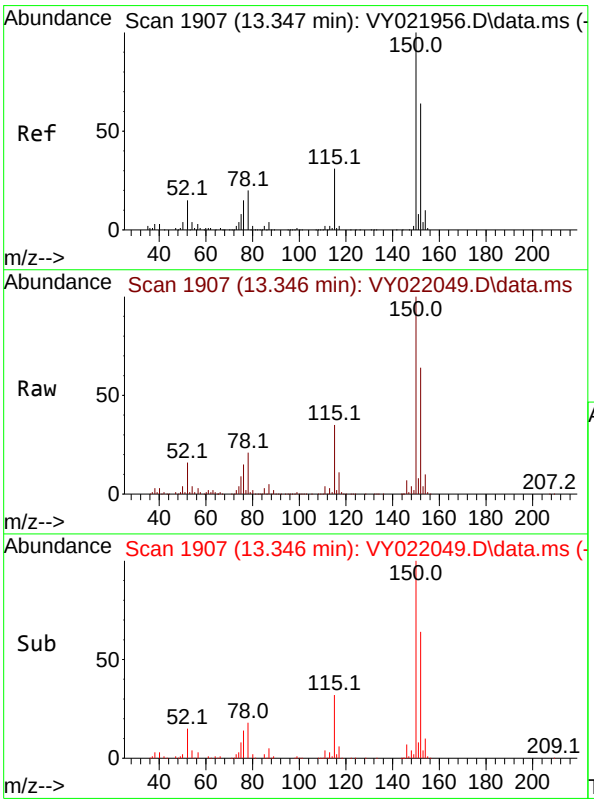
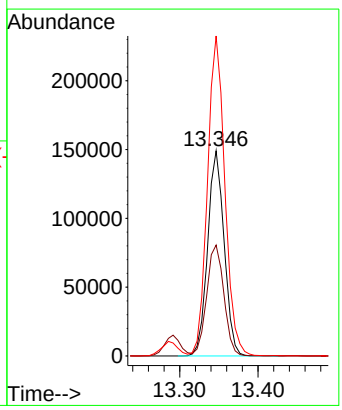
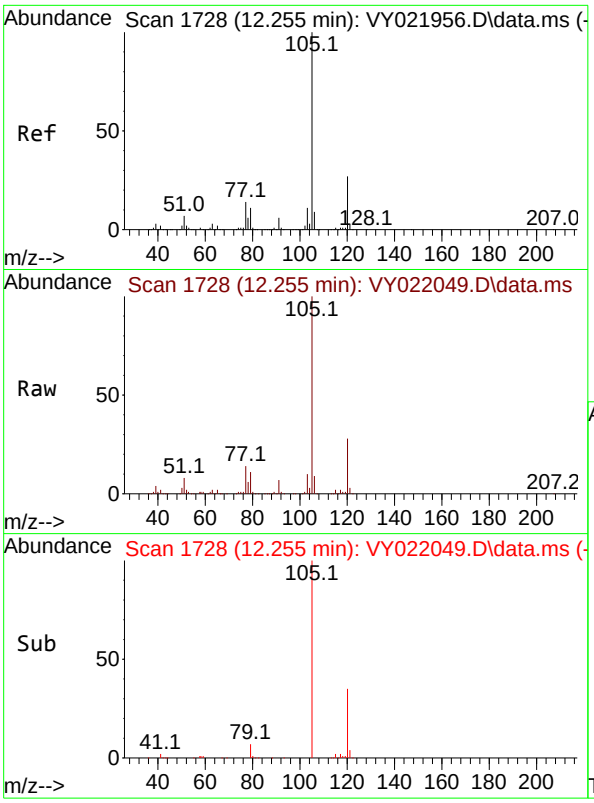


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:152 Resp: 218010

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.0	84.0
150	164.0	0.0	345.6

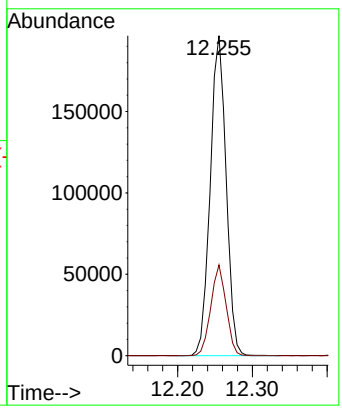




#73
Isopropylbenzene
Concen: 19.929 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:105 Resp: 29027

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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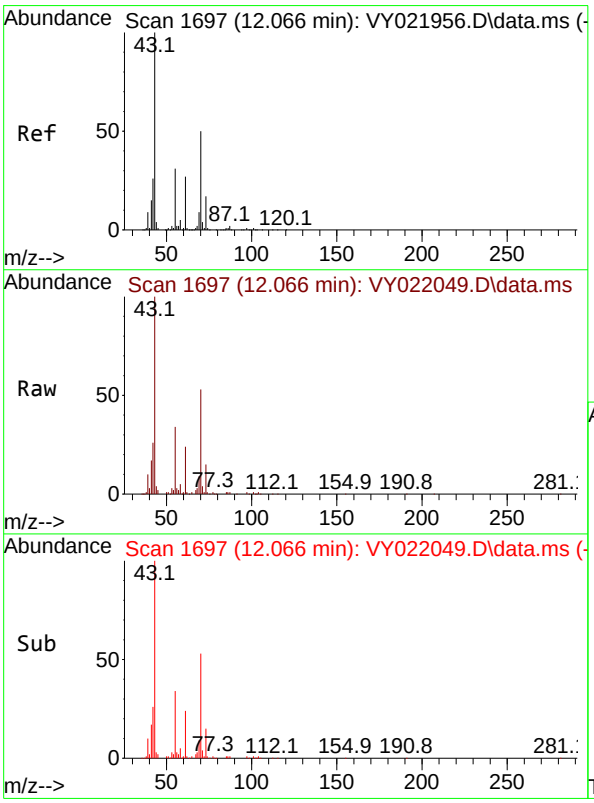
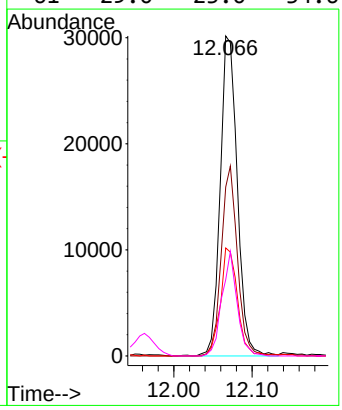
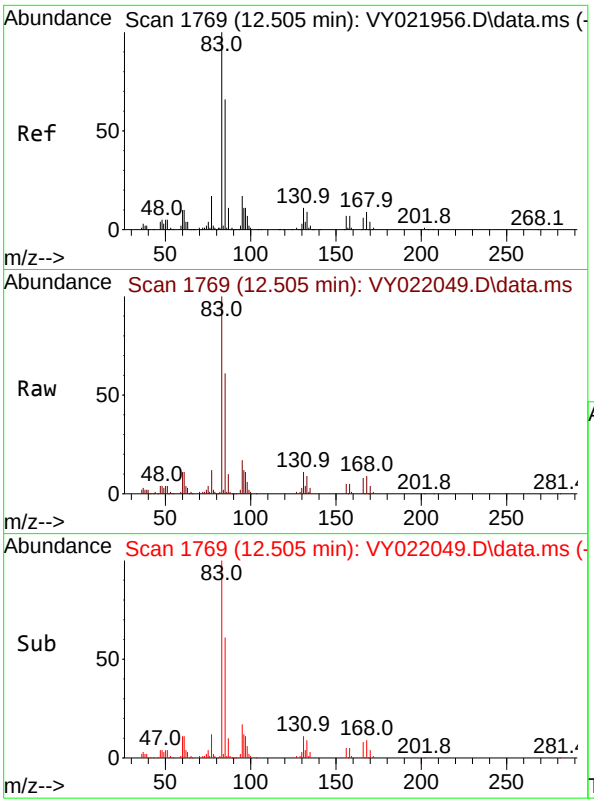


#74
N-amyl acetate
Concen: 18.331 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 45873

Ion	Ratio	Lower	Upper
43	100		
70	56.1	43.2	64.8
55	33.9	25.7	38.5
61	29.0	23.0	34.6





#75
1,1,2,2-Tetrachloroethane
Concen: 21.071 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 83 Resp: 5174

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	61.7	32.3	96.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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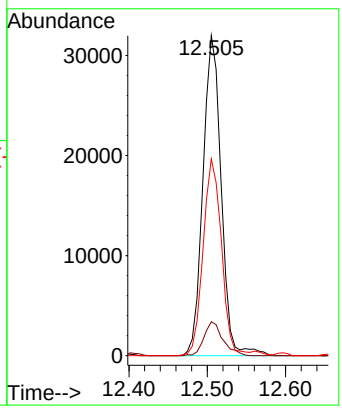
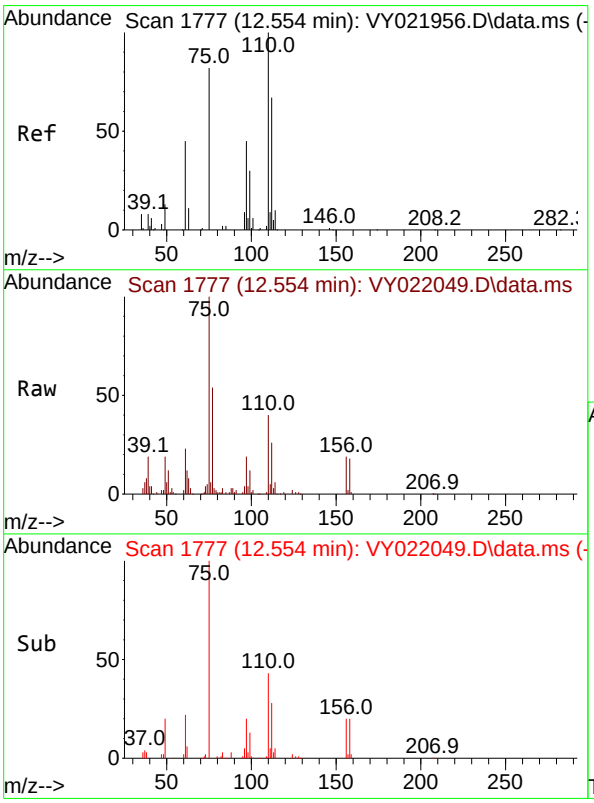
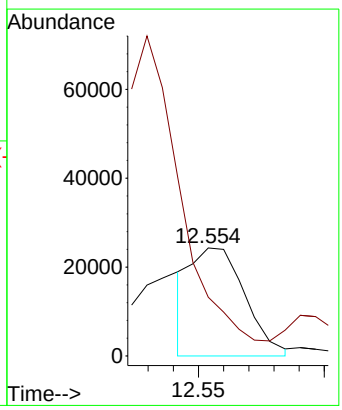


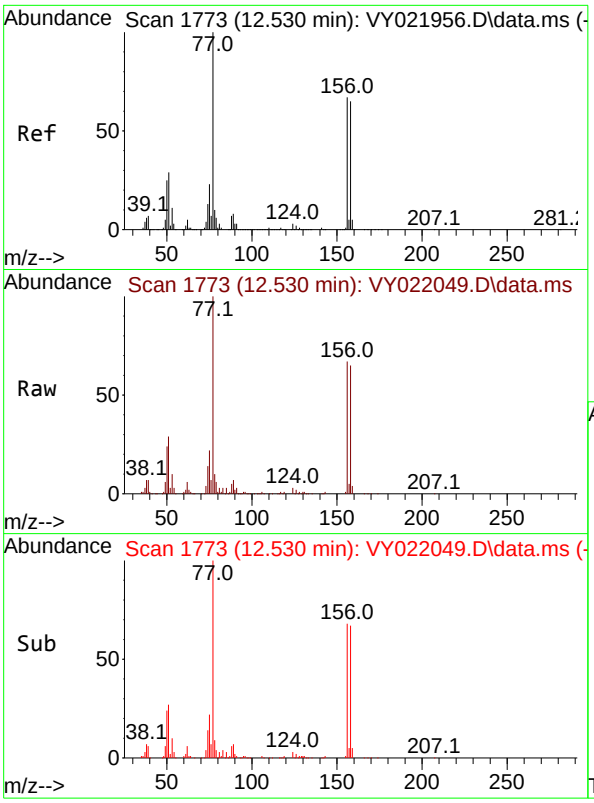


#76
1,2,3-Trichloropropane
Concen: 19.539 ug/l m
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 36486

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

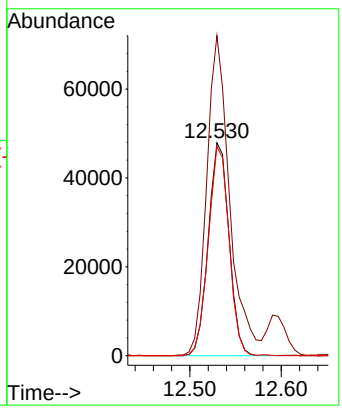




#77
Bromobenzene
Concen: 20.544 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:156 Resp: 7561

Ion	Ratio	Lower	Upper
156	100		
77	166.5	82.7	248.1
158	97.7	48.1	144.4



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/30/2025
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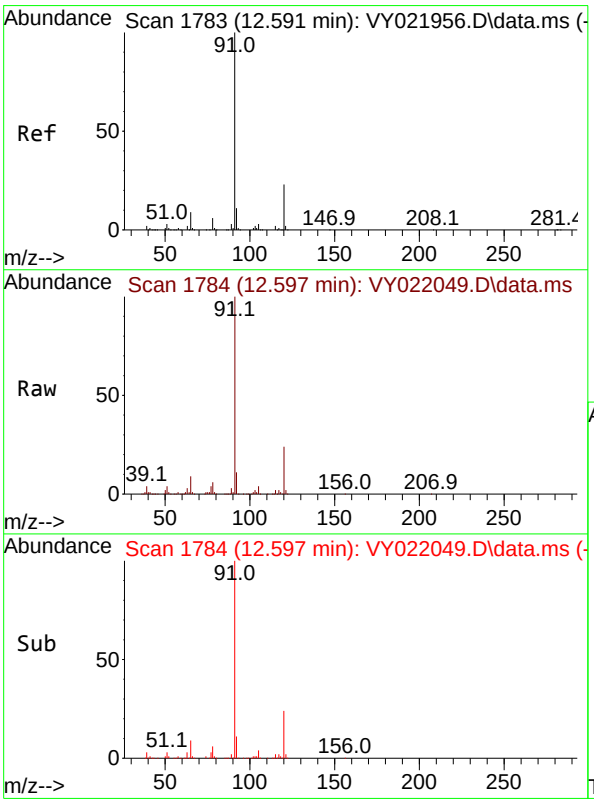
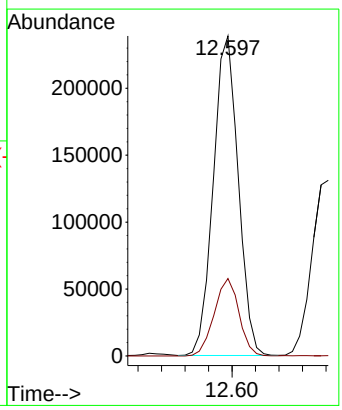
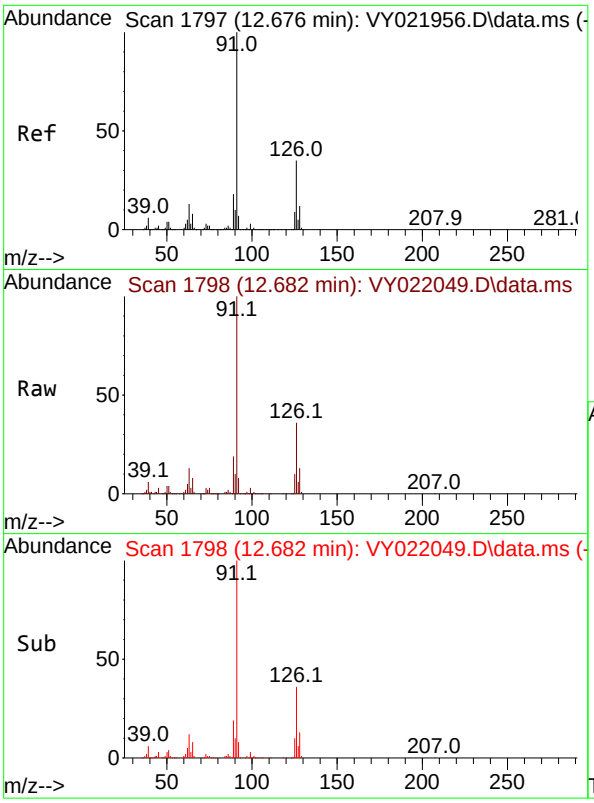


#78
n-propylbenzene
Concen: 20.274 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 91 Resp: 351661

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.5

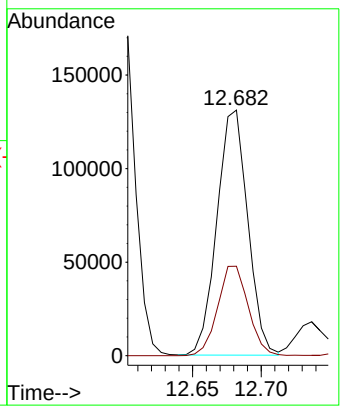




#79
2-Chlorotoluene
Concen: 20.322 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 91 Resp: 20499

Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.9	53.8



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

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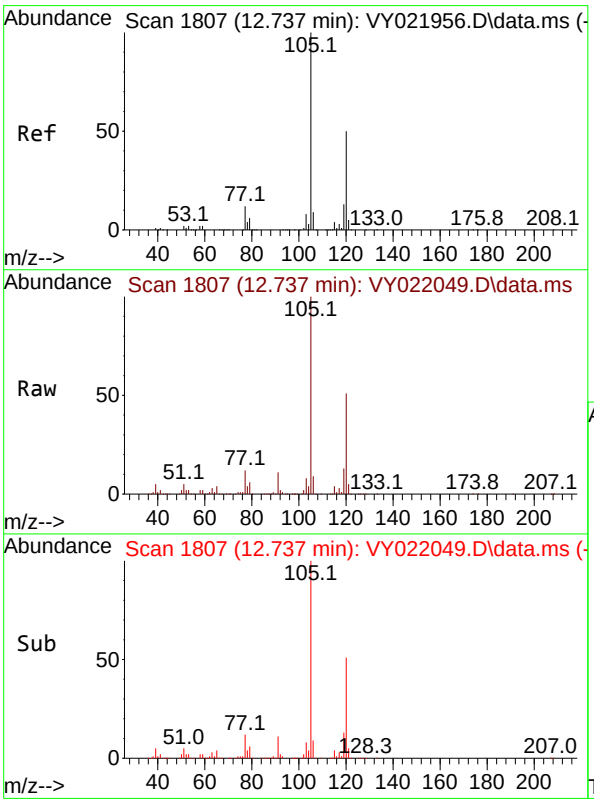
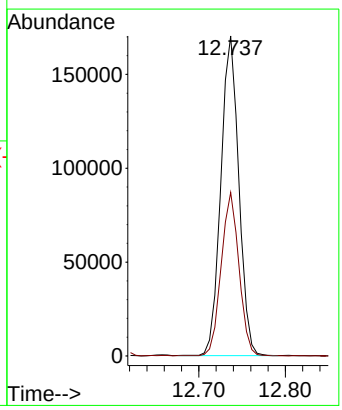
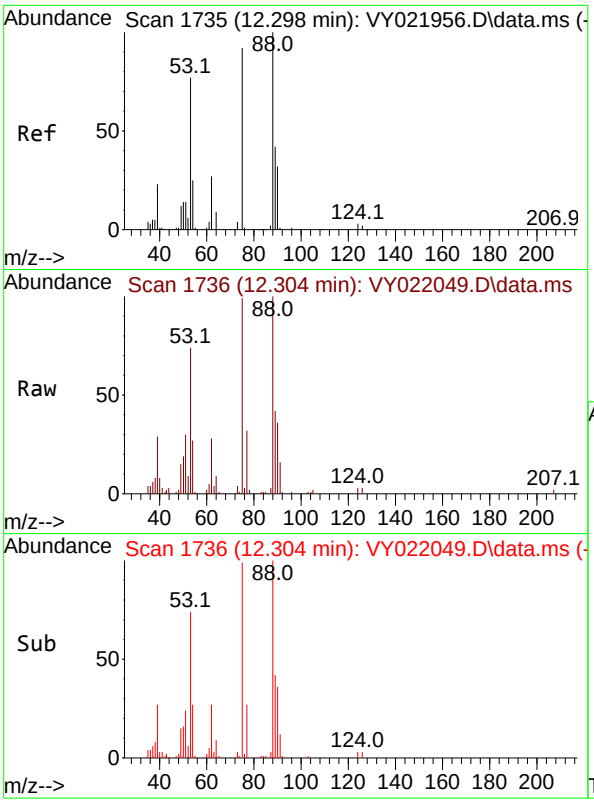


#80
1,3,5-Trimethylbenzene
Concen: 20.398 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:105 Resp: 244799

Ion	Ratio	Lower	Upper
105	100		
120	50.8	25.0	75.0





#81
trans-1,4-Dichloro-2-butene
Concen: 19.399 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 1504

Ion	Ratio	Lower	Upper
75	100		
53	84.8	66.0	99.0
89	48.2	37.2	55.8

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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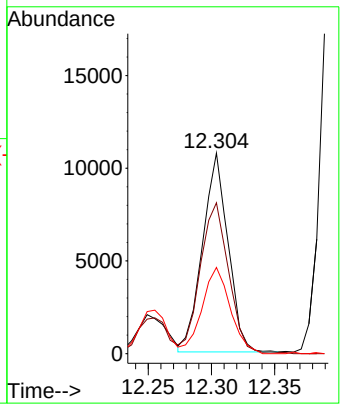
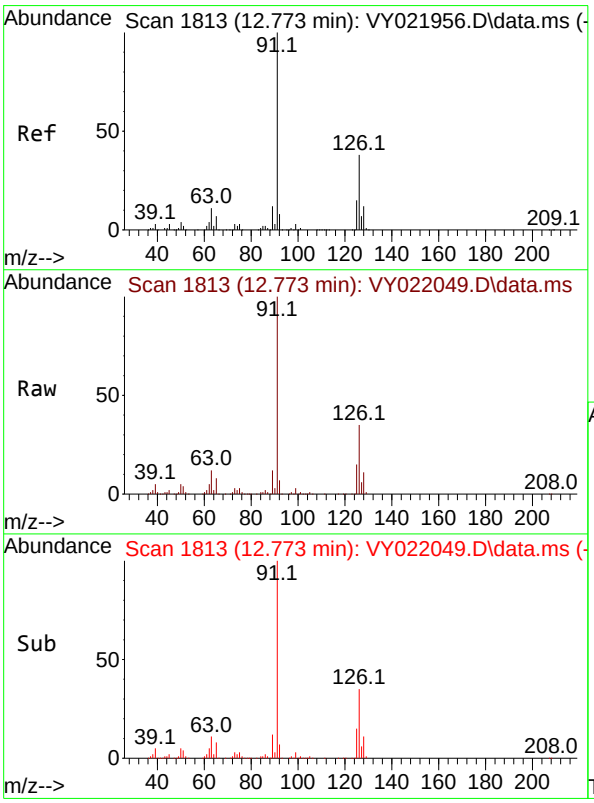
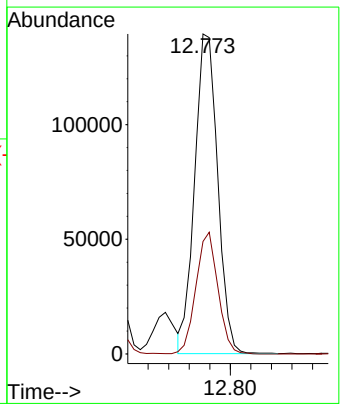


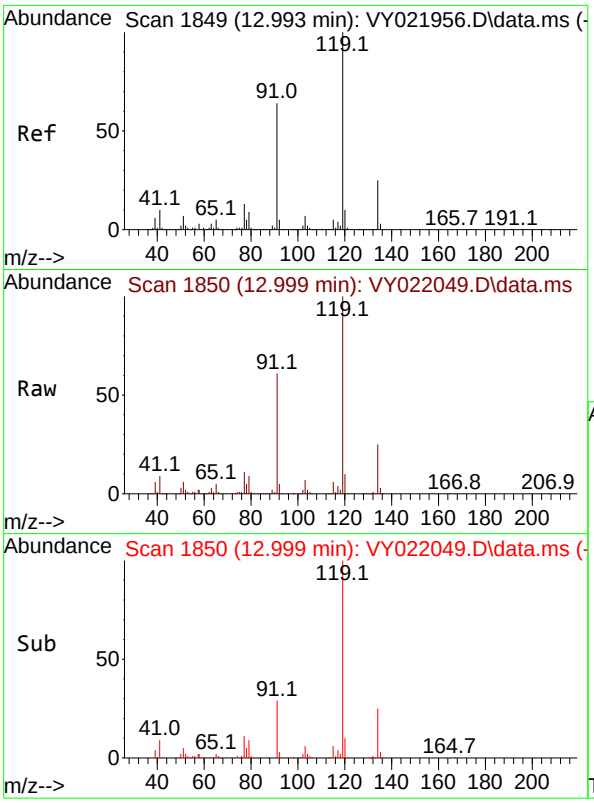


#82
4-Chlorotoluene
Concen: 20.674 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 91 Resp: 216790

Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8





#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:119 Resp: 21697

Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.3	90.9
134	26.6	12.9	38.7

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
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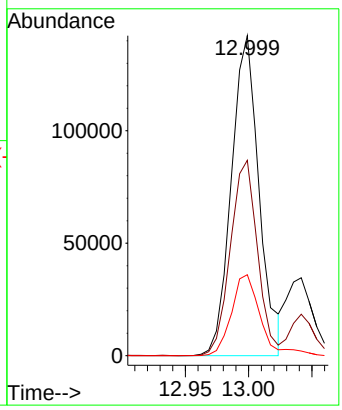
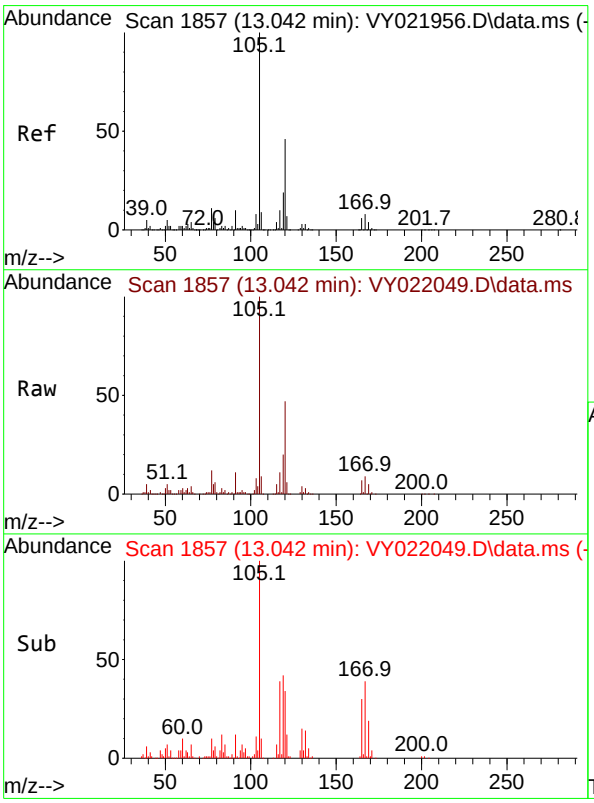
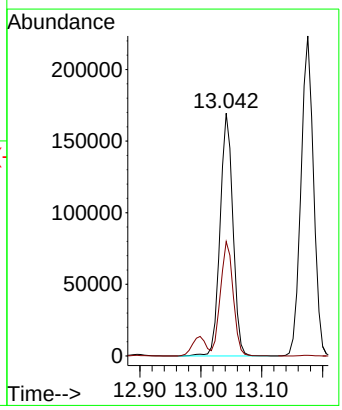


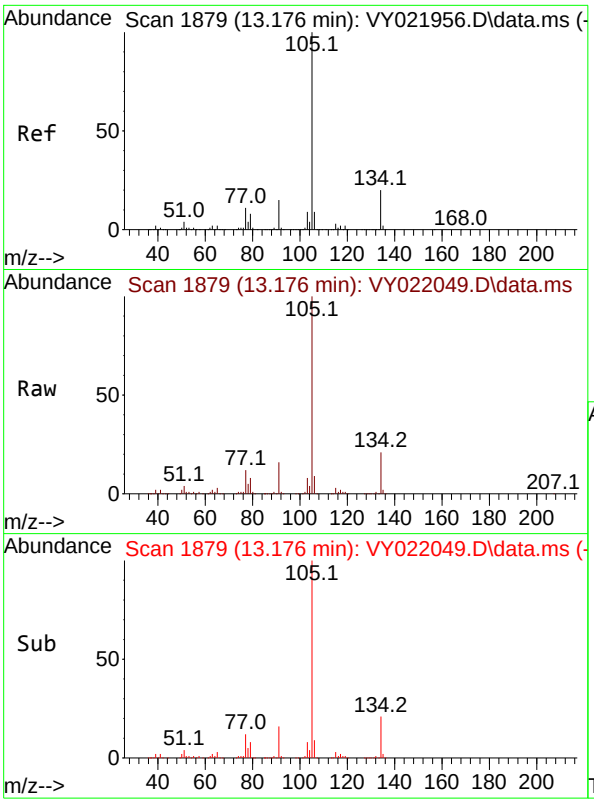


#84
1,2,4-Trimethylbenzene
Concen: 20.595 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:105 Resp: 247217

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.0





#85
sec-Butylbenzene
Concen: 20.253 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

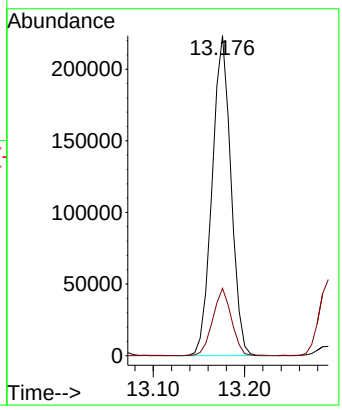
Tgt Ion:105 Resp: 31898

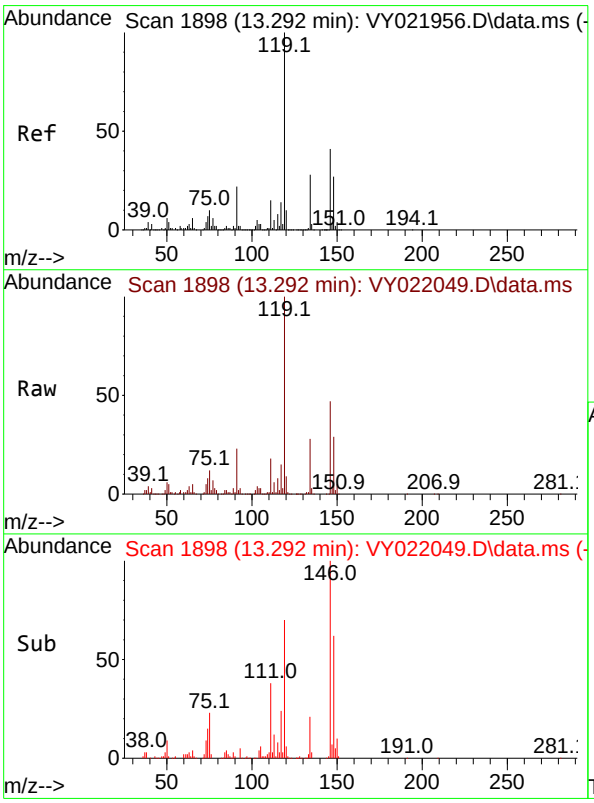
Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

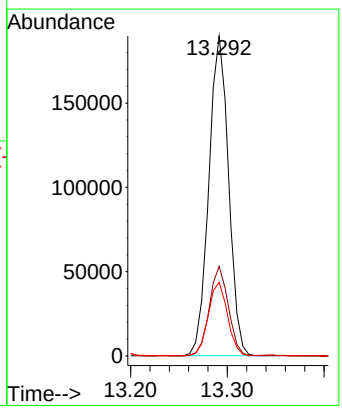


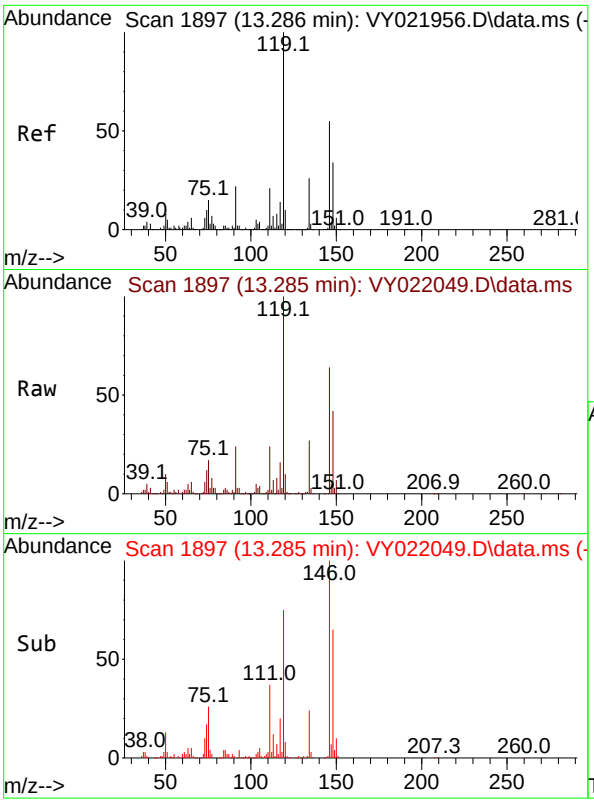


#86
p-Isopropyltoluene
Concen: 20.146 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:119 Resp: 269435

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.4	11.0	33.0





#87
1,3-Dichlorobenzene
Concen: 20.762 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

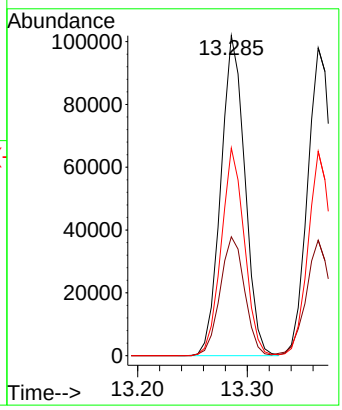
Tgt Ion:146 Resp: 15520

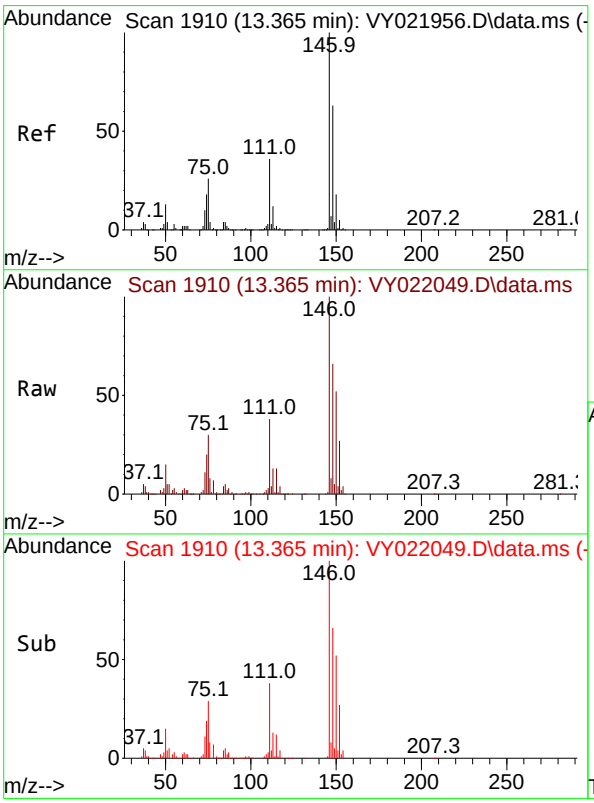
Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	62.5	32.0	96.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

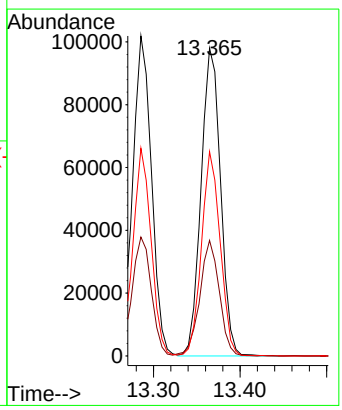


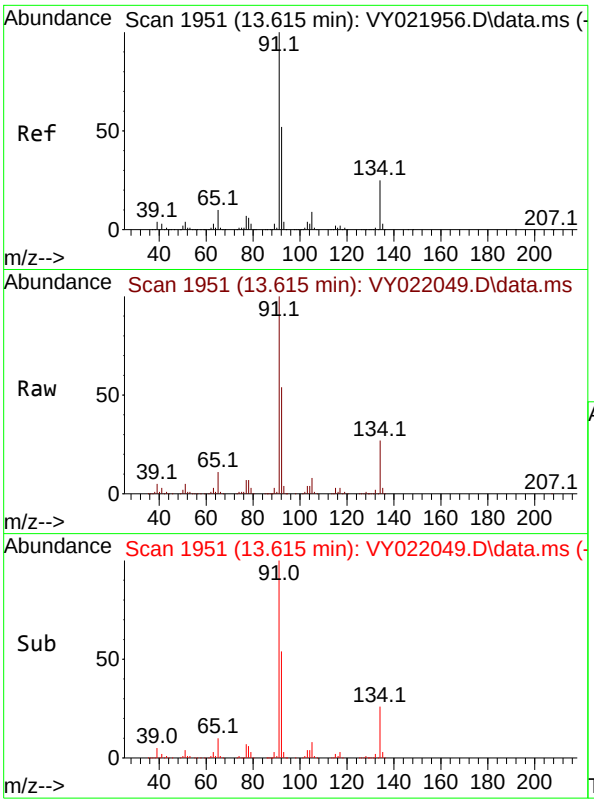


#88
1,4-Dichlorobenzene
Concen: 20.735 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:146 Resp: 153508

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.2	57.6
148	63.7	32.0	96.0

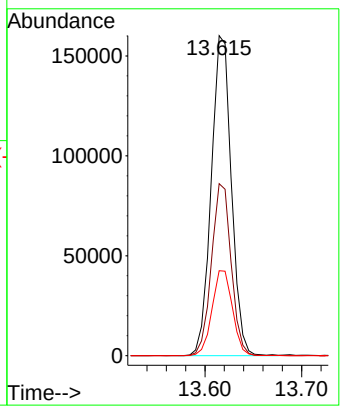




#89
n-Butylbenzene
Concen: 19.355 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 91 Resp: 23137

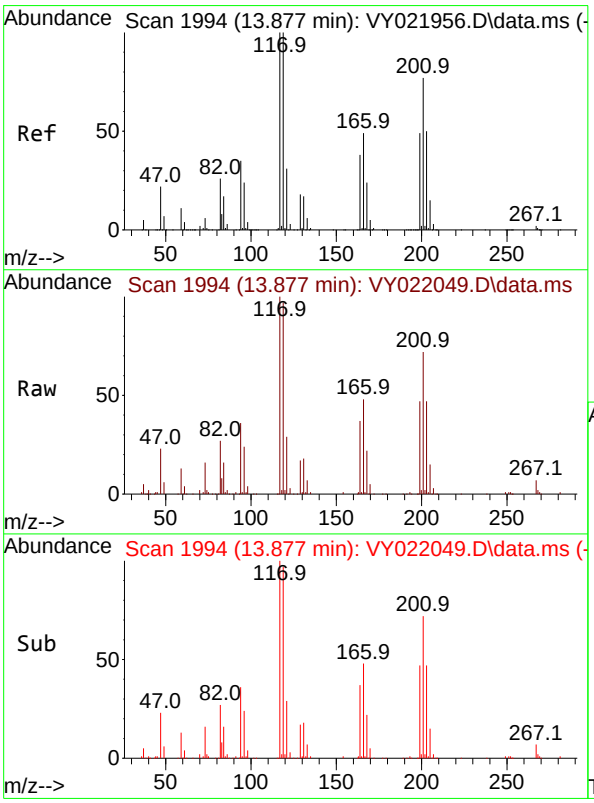
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.0	13.4	40.1



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

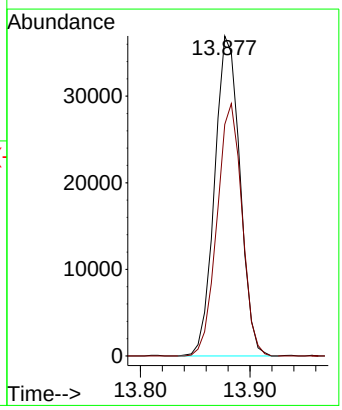
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

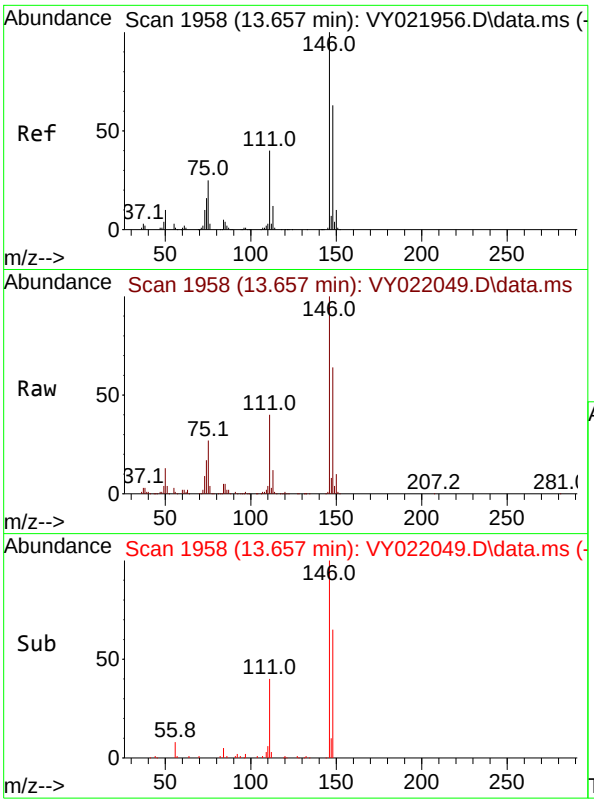


#90
Hexachloroethane
Concen: 20.159 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:117 Resp: 59236

Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.7	116.1

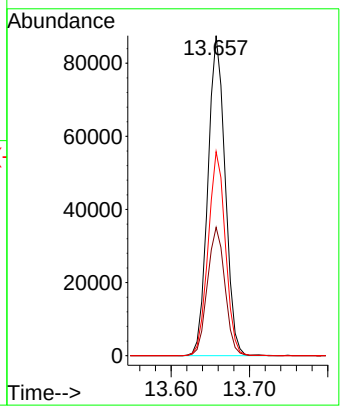




#91
1,2-Dichlorobenzene
Concen: 20.496 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:146 Resp: 13362

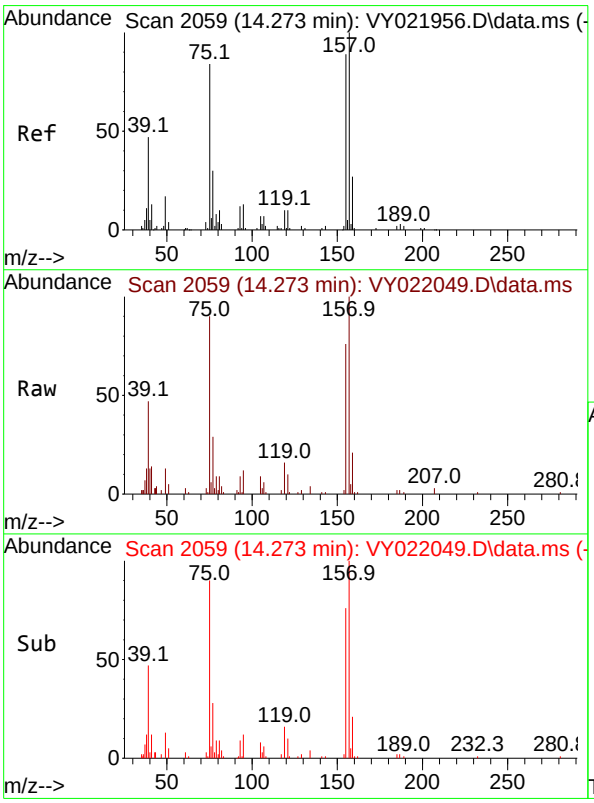
Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.7	59.1
148	63.8	32.1	96.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

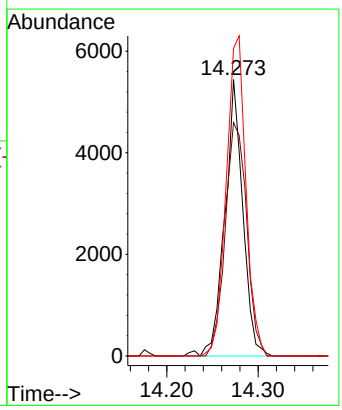
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

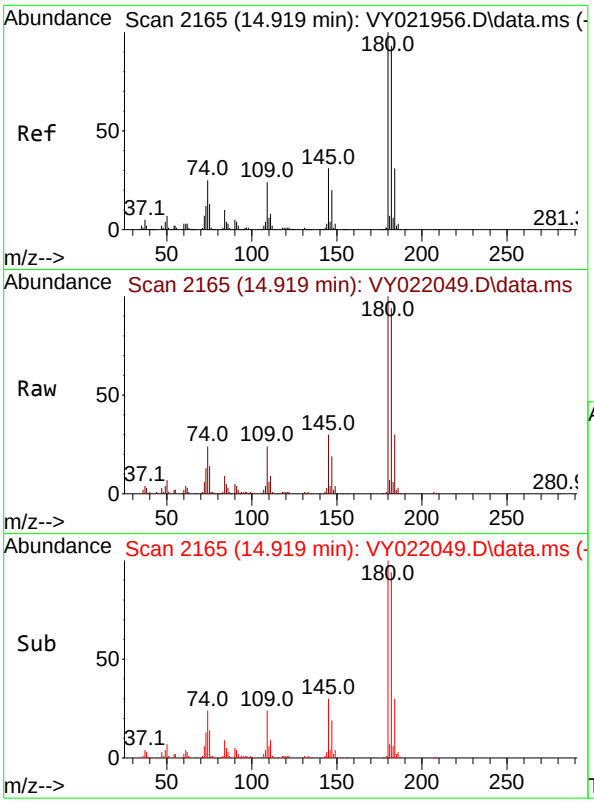


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.035 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 7437

Ion	Ratio	Lower	Upper
75	100		
155	100.7	50.7	152.3
157	126.6	62.6	187.8

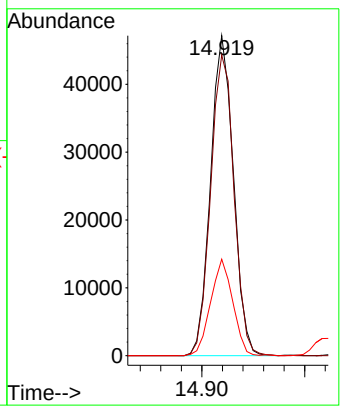




#93
1,2,4-Trichlorobenzene
Concen: 19.645 ug/l
RT: 14.919 min Scan# 2
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:180 Resp: 7258

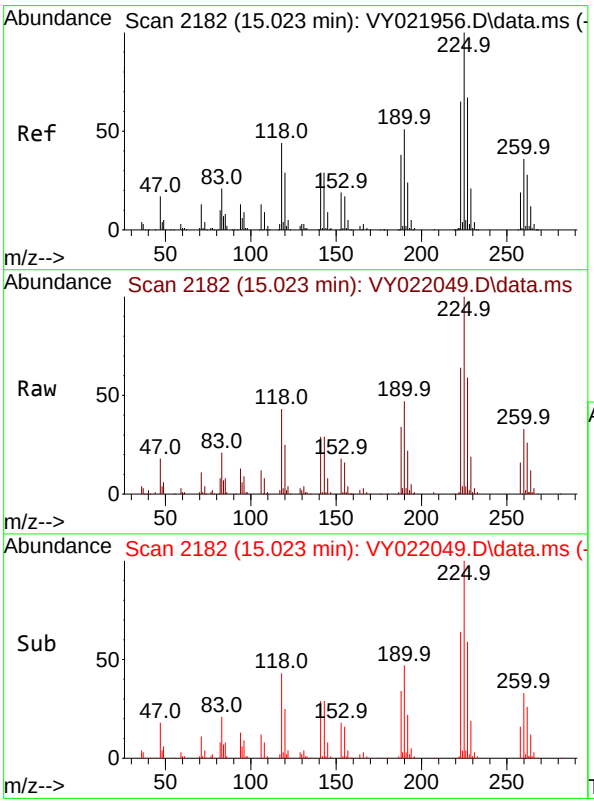
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.1	141.4
145	29.3	15.0	45.0



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

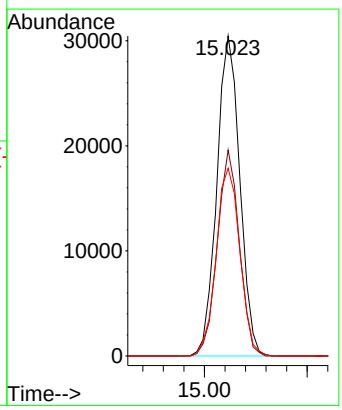
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025

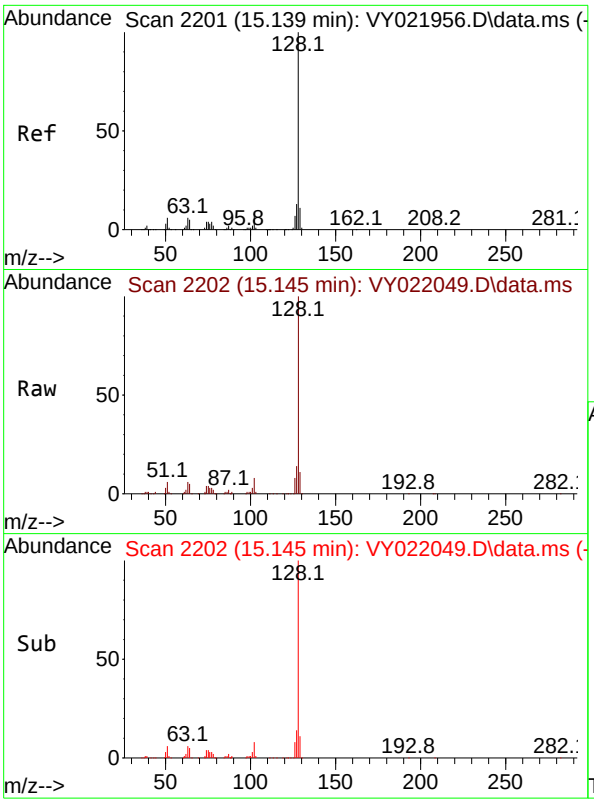


#94
Hexachlorobutadiene
Concen: 20.788 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:225 Resp: 47255

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.5
227	60.5	32.3	96.9

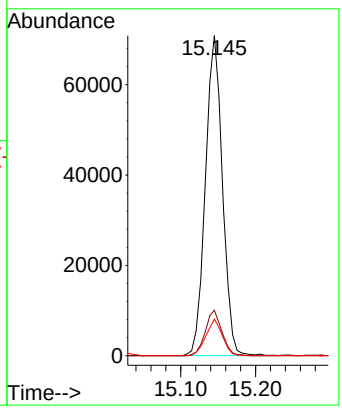




#95
Naphthalene
Concen: 18.277 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:128 Resp: 11217

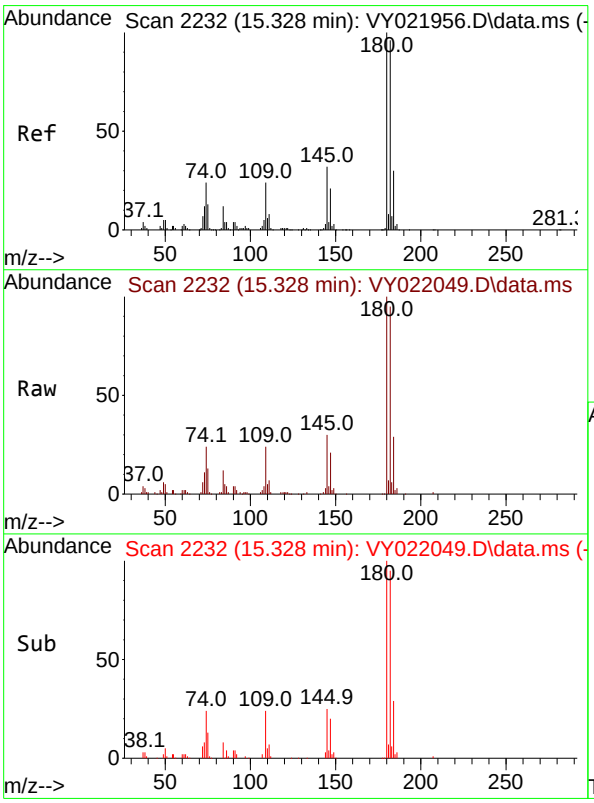
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	11.0	8.9	13.3



Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Manual Integrations
APPROVED

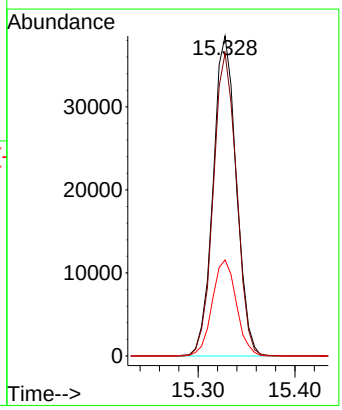
Reviewed By :Semsettin Yesilyurt 04/30/2025
Supervised By :Mahesh Dadoda 04/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.092 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:180 Resp: 64078

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.4
145	31.2	16.0	48.0



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

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	VY042925	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022046.D	1,2,3-Trichloropropane	Sam	4/30/2025 2:22:31 PM	MMDadoda	4/30/2025 2:25:41 PM	Peak Integrated by Software
VY0429SBS01	VY022048.D	1,2,3-Trichloropropane	Sam	4/30/2025 2:22:33 PM	MMDadoda	4/30/2025 2:25:44 PM	Peak Integrated by Software
VY0429SBS01	VY022048.D	Methacrylonitrile	Sam	4/30/2025 2:22:33 PM	MMDadoda	4/30/2025 2:25:44 PM	Peak Integrated by Software
VY0429SBSD01	VY022049.D	1,2,3-Trichloropropane	Sam	4/30/2025 2:22:35 PM	MMDadoda	4/30/2025 2:25:47 PM	Peak Integrated by Software
VSTDCCC050	VY022068.D	1,2,3-Trichloropropane	Sam	4/30/2025 2:22:42 PM	MMDadoda	4/30/2025 2:25:57 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY043025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022070.D	1,2,3-Trichloropropane	sam	5/5/2025 4:23:25 AM	MMDadoda	5/5/2025 2:54:38 PM	Peak Integrated by Software
VY0430SBS01	VY022072.D	1,2,3-Trichloropropane	sam	5/5/2025 4:23:30 AM	MMDadoda	5/5/2025 2:54:41 PM	Peak Integrated by Software
VSTDCCC050	VY022093.D	1,2,3-Trichloropropane	sam	5/5/2025 4:23:47 AM	MMDadoda	5/5/2025 2:54:48 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy050125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022095.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:05 PM	MMDadoda	5/5/2025 2:57:20 PM	Peak Integrated by Software
VY0501SBS01	VY022097.D	1,2,3-Trichloropropane	sam	5/5/2025 4:29:49 AM	MMDadoda	5/5/2025 2:57:21 PM	Peak Integrated by Software
VSTDCCC050	VY022117.D	1,2,3-Trichloropropane	sam	5/5/2025 4:30:16 AM	MMDadoda	5/5/2025 2:57:56 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY050525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022145.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:34 PM	Sam	5/6/2025 12:44:33 PM	Peak Integrated by Software
VSTDCCC050	VY022145.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:34 PM	Sam	5/6/2025 12:44:33 PM	Peak Integrated by Software
VY0505SBS01	VY022147.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:36 PM	Sam	5/6/2025 12:44:35 PM	Peak Integrated by Software
VSTDCCC050	VY022168.D	1,2,3-Trichloropropane	MMDadoda	5/6/2025 12:43:41 PM	Sam	5/6/2025 12:44:41 PM	Peak Integrated by Software
VSTDCCC050	VY022168.D	Methacrylonitrile	MMDadoda	5/6/2025 12:43:41 PM	Sam	5/6/2025 12:44:41 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM				
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM				
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDICC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDICC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDICC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDICCC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDICC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDICC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM				
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133781
Initial Calibration Stds	
CCC	VP133782,VP133783
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022045.D	29 Apr 2025 08:20	SY/MD	Ok
2	VSTDCCC050	VY022046.D	29 Apr 2025 09:28	SY/MD	Ok,M
3	VY0429SBL01	VY022047.D	29 Apr 2025 10:00	SY/MD	Ok
4	VY0429SBS01	VY022048.D	29 Apr 2025 10:31	SY/MD	Ok,M
5	VY0429SBSD01	VY022049.D	29 Apr 2025 10:53	SY/MD	Ok,M
6	IBLK	VY022050.D	29 Apr 2025 11:56	SY/MD	Ok
7	Q1872-23DL	VY022051.D	29 Apr 2025 12:22	SY/MD	Ok
8	Q1902-01RE	VY022052.D	29 Apr 2025 13:09	SY/MD	Confirms
9	Q1892-03	VY022053.D	29 Apr 2025 13:55	SY/MD	Ok
10	Q1892-07	VY022054.D	29 Apr 2025 14:19	SY/MD	Ok
11	Q1892-11	VY022055.D	29 Apr 2025 14:43	SY/MD	Ok
12	Q1906-03	VY022056.D	29 Apr 2025 15:06	SY/MD	Ok
13	Q1906-07	VY022057.D	29 Apr 2025 15:30	SY/MD	Ok
14	Q1906-11	VY022058.D	29 Apr 2025 15:53	SY/MD	Ok
15	Q1906-15	VY022059.D	29 Apr 2025 16:16	SY/MD	Ok
16	Q1905-03	VY022060.D	29 Apr 2025 16:40	SY/MD	Ok
17	Q1903-01	VY022061.D	29 Apr 2025 17:03	SY/MD	Ok
18	Q1903-02	VY022062.D	29 Apr 2025 17:27	SY/MD	Ok
19	Q1903-03	VY022063.D	29 Apr 2025 17:50	SY/MD	Ok
20	Q1883-01	VY022064.D	29 Apr 2025 18:14	SY/MD	Ok
21	Q1883-03	VY022065.D	29 Apr 2025 18:37	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM				
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133781
Initial Calibration Stds	
CCC	VP133782,VP133783
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VY022066.D	29 Apr 2025 19:00	SY/MD	Ok,M
23	IBLK	VY022067.D	29 Apr 2025 19:23	SY/MD	Ok,M
24	VSTDCCC050	VY022068.D	29 Apr 2025 19:45	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY043025

Review By	Semsettin Yesilyurt	Review On	5/5/2025 4:24:20 AM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:55:11 PM				
SubDirectory	VY043025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133787
Initial Calibration Stds	
CCC	VP133788,VP133789
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022069.D	30 Apr 2025 08:50	SY/MD	Ok
2	VSTDCCC050	VY022070.D	30 Apr 2025 09:20	SY/MD	Ok,M
3	VY0430SBL01	VY022071.D	30 Apr 2025 09:57	SY/MD	Ok
4	VY0430SBS01	VY022072.D	30 Apr 2025 10:30	SY/MD	Ok,M
5	VY0430SBSD01	VY022073.D	30 Apr 2025 10:52	SY/MD	Ok,M
6	Q1911-01	VY022074.D	30 Apr 2025 11:37	SY/MD	ReRun
7	Q1905-07	VY022075.D	30 Apr 2025 12:00	SY/MD	Ok
8	Q1910-01	VY022076.D	30 Apr 2025 12:24	SY/MD	Ok
9	Q1912-03	VY022077.D	30 Apr 2025 12:47	SY/MD	Ok
10	Q1912-07	VY022078.D	30 Apr 2025 13:11	SY/MD	Ok
11	Q1883-05	VY022079.D	30 Apr 2025 13:34	SY/MD	Ok
12	Q1883-07	VY022080.D	30 Apr 2025 13:58	SY/MD	Ok
13	Q1883-09	VY022081.D	30 Apr 2025 14:21	SY/MD	Ok
14	Q1883-11	VY022082.D	30 Apr 2025 14:44	SY/MD	ReRun
15	Q1883-13	VY022083.D	30 Apr 2025 15:11	SY/MD	Not Ok
16	Q1883-15	VY022084.D	30 Apr 2025 15:55	SY/MD	Ok
17	Q1907-01	VY022085.D	30 Apr 2025 16:18	SY/MD	Ok
18	Q1901-01	VY022086.D	30 Apr 2025 16:42	SY/MD	Ok
19	Q1901-02	VY022087.D	30 Apr 2025 17:05	SY/MD	Ok
20	Q1901-03	VY022088.D	30 Apr 2025 17:29	SY/MD	Ok
21	Q1901-04	VY022089.D	30 Apr 2025 17:52	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY043025

Review By	Semsettin Yesilyurt	Review On	5/5/2025 4:24:20 AM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:55:11 PM				
SubDirectory	VY043025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133787
Initial Calibration Stds	
CCC	VP133788,VP133789
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1901-05	VY022090.D	30 Apr 2025 18:16	SY/MD	Ok
23	Q1916-03	VY022091.D	30 Apr 2025 18:39	SY/MD	ReRun
24	Q1917-03	VY022092.D	30 Apr 2025 19:03	SY/MD	Ok
25	VSTDCCC050	VY022093.D	30 Apr 2025 19:25	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050125

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:02 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:57:16 PM				
SubDirectory	VY050125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133796
Initial Calibration Stds	
CCC	VP133797,VP133798
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022094.D	01 May 2025 08:20	SY/MD	Ok
2	VSTDCCC050	VY022095.D	01 May 2025 08:50	SY/MD	Ok,M
3	VY0501SBL01	VY022096.D	01 May 2025 10:11	SY/MD	Ok
4	VY0501SBS01	VY022097.D	01 May 2025 10:42	SY/MD	Ok,M
5	VY0501SBSD01	VY022098.D	01 May 2025 11:04	SY/MD	Ok,M
6	Q1920-01	VY022099.D	01 May 2025 11:54	SY/MD	Ok
7	Q1911-01RE	VY022100.D	01 May 2025 12:17	SY/MD	Confirms
8	Q1916-03	VY022101.D	01 May 2025 12:41	SY/MD	Ok
9	Q1923-01	VY022102.D	01 May 2025 13:04	SY/MD	ReRun
10	Q1922-03	VY022103.D	01 May 2025 13:28	SY/MD	Ok
11	Q1922-07	VY022104.D	01 May 2025 13:51	SY/MD	Ok
12	Q1883-11	VY022105.D	01 May 2025 14:15	SY/MD	Ok
13	Q1883-13	VY022106.D	01 May 2025 14:38	SY/MD	Ok
14	Q1914-01	VY022107.D	01 May 2025 15:02	SY/MD	Ok
15	Q1914-02	VY022108.D	01 May 2025 15:28	SY/MD	Ok
16	Q1914-03	VY022109.D	01 May 2025 16:04	SY/MD	Ok
17	Q1914-04	VY022110.D	01 May 2025 16:27	SY/MD	Ok
18	Q1914-05	VY022111.D	01 May 2025 16:49	SY/MD	Ok
19	Q1914-06	VY022112.D	01 May 2025 17:16	SY/MD	Dilution
20	Q1914-07	VY022113.D	01 May 2025 17:37	SY/MD	Dilution
21	Q1914-09	VY022114.D	01 May 2025 18:00	SY/MD	Dilution

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050125

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:02 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:57:16 PM				
SubDirectory	VY050125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133796
Initial Calibration Stds	
CCC	VP133797,VP133798
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1914-10MS	VY022115.D	01 May 2025 18:23	SY/MD	Ok
23	Q1914-11MSD	VY022116.D	01 May 2025 18:46	SY/MD	Ok,M
24	VSTDCCC050	VY022117.D	01 May 2025 19:08	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM				
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022144.D	05 May 2025 08:15	SY/MD	Ok
2	VSTDCCC050	VY022145.D	05 May 2025 08:46	SY/MD	Ok,M
3	VY0505SBL01	VY022146.D	05 May 2025 09:24	SY/MD	Ok
4	VY0505SBS01	VY022147.D	05 May 2025 09:55	SY/MD	Ok,M
5	VY0505SBSD01	VY022148.D	05 May 2025 10:17	SY/MD	Ok,M
6	Q1933-01RE	VY022149.D	05 May 2025 11:14	SY/MD	Confirms
7	Q1946-01	VY022150.D	05 May 2025 11:37	SY/MD	Ok
8	Q1952-01	VY022151.D	05 May 2025 12:01	SY/MD	ReRun
9	Q1951-03	VY022152.D	05 May 2025 12:24	SY/MD	Ok
10	Q1947-03	VY022153.D	05 May 2025 12:47	SY/MD	Ok
11	Q1947-07	VY022154.D	05 May 2025 13:11	SY/MD	Ok
12	Q1938-02	VY022155.D	05 May 2025 13:34	SY/MD	Ok
13	Q1938-04	VY022156.D	05 May 2025 13:58	SY/MD	Ok
14	Q1938-06	VY022157.D	05 May 2025 14:21	SY/MD	Ok
15	Q1938-08	VY022158.D	05 May 2025 14:45	SY/MD	Ok
16	Q1936-04	VY022159.D	05 May 2025 15:08	SY/MD	Ok
17	Q1936-06	VY022160.D	05 May 2025 15:31	SY/MD	Ok
18	Q1936-08	VY022161.D	05 May 2025 15:55	SY/MD	Ok
19	Q1956-01	VY022162.D	05 May 2025 16:18	SY/MD	Ok
20	Q1956-02	VY022163.D	05 May 2025 16:42	SY/MD	Ok
21	Q1956-06	VY022164.D	05 May 2025 17:05	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM				
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1956-03MS	VY022165.D	05 May 2025 17:28	SY/MD	Ok,M
23	Q1956-04MSD	VY022166.D	05 May 2025 17:51	SY/MD	Ok,M
24	Q1883-17	VY022167.D	05 May 2025 18:14	SY/MD	Ok
25	VSTDCCC050	VY022168.D	05 May 2025 18:37	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133718
Initial Calibration Stds	VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133725
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM		
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133781
Initial Calibration Stds	
CCC	VP133782,VP133783
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022045.D	29 Apr 2025 08:20		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022046.D	29 Apr 2025 09:28		SY/MD	Ok,M
3	VY0429SBL01	VY0429SBL01	VY022047.D	29 Apr 2025 10:00		SY/MD	Ok
4	VY0429SBS01	VY0429SBS01	VY022048.D	29 Apr 2025 10:31		SY/MD	Ok,M
5	VY0429SBSD01	VY0429SBSD01	VY022049.D	29 Apr 2025 10:53		SY/MD	Ok,M
6	IBLK	IBLK	VY022050.D	29 Apr 2025 11:56		SY/MD	Ok
7	Q1872-23DL	HW0425-PT-VOA-SOIL	VY022051.D	29 Apr 2025 12:22		SY/MD	Ok
8	Q1902-01RE	343RE	VY022052.D	29 Apr 2025 13:09	vial-B Internal Standard Fail	SY/MD	Confirms
9	Q1892-03	MH-G-VOC	VY022053.D	29 Apr 2025 13:55	vial-A	SY/MD	Ok
10	Q1892-07	MH-H-VOC	VY022054.D	29 Apr 2025 14:19	vial-A	SY/MD	Ok
11	Q1892-11	MH-U2-VOC	VY022055.D	29 Apr 2025 14:43	vial-A	SY/MD	Ok
12	Q1906-03	WC-4-VOC	VY022056.D	29 Apr 2025 15:06	vial-A	SY/MD	Ok
13	Q1906-07	WC-5-VOC	VY022057.D	29 Apr 2025 15:30	vial-A	SY/MD	Ok
14	Q1906-11	WC-6-VOC	VY022058.D	29 Apr 2025 15:53	vial-A	SY/MD	Ok
15	Q1906-15	WC-7-VOC	VY022059.D	29 Apr 2025 16:16	vial-A	SY/MD	Ok
16	Q1905-03	MH-G-VOC	VY022060.D	29 Apr 2025 16:40	vial-A	SY/MD	Ok
17	Q1903-01	COMP-4	VY022061.D	29 Apr 2025 17:03	vial-A	SY/MD	Ok
18	Q1903-02	COMP-5	VY022062.D	29 Apr 2025 17:27	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042925

Review By	Semsettin Yesilyurt	Review On	4/30/2025 2:23:51 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/30/2025 2:26:05 PM		
SubDirectory	VY042925	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133781
Initial Calibration Stds	
CCC	VP133782,VP133783
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1903-03	COMP-6	VY022063.D	29 Apr 2025 17:50	vial-A	SY/MD	Ok
20	Q1883-01	OU4-PCS-TC-27-04232	VY022064.D	29 Apr 2025 18:14	vial-B	SY/MD	Ok
21	Q1883-03	OU4-PCS-TC-28-04232	VY022065.D	29 Apr 2025 18:37	vial-B	SY/MD	Ok
22	IBLK	IBLK	VY022066.D	29 Apr 2025 19:00		SY/MD	Ok,M
23	IBLK	IBLK	VY022067.D	29 Apr 2025 19:23		SY/MD	Ok,M
24	VSTDCCC050	VSTDCCC050EC	VY022068.D	29 Apr 2025 19:45		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY043025

Review By	Semsettin Yesilyurt	Review On	5/5/2025 4:24:20 AM			
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:55:11 PM			
SubDirectory	VY043025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP133787
Initial Calibration Stds	
CCC	VP133788,VP133789
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022069.D	30 Apr 2025 08:50		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022070.D	30 Apr 2025 09:20		SY/MD	Ok,M
3	VY0430SBL01	VY0430SBL01	VY022071.D	30 Apr 2025 09:57		SY/MD	Ok
4	VY0430SBS01	VY0430SBS01	VY022072.D	30 Apr 2025 10:30		SY/MD	Ok,M
5	VY0430SBSD01	VY0430SBSD01	VY022073.D	30 Apr 2025 10:52		SY/MD	Ok,M
6	Q1911-01	EO-03-04292025	VY022074.D	30 Apr 2025 11:37	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q1905-07	MH-H-VOC	VY022075.D	30 Apr 2025 12:00	vial-A	SY/MD	Ok
8	Q1910-01	MOO-25-0123-27	VY022076.D	30 Apr 2025 12:24	vial-A	SY/MD	Ok
9	Q1912-03	MH-E-VOC	VY022077.D	30 Apr 2025 12:47	vial-A	SY/MD	Ok
10	Q1912-07	MH-F-VOC	VY022078.D	30 Apr 2025 13:11	vial-A	SY/MD	Ok
11	Q1883-05	OU4-PCS-TC-29-04232	VY022079.D	30 Apr 2025 13:34	vial-B	SY/MD	Ok
12	Q1883-07	OU4-PCS-TC-30-04232	VY022080.D	30 Apr 2025 13:58	vial-B	SY/MD	Ok
13	Q1883-09	OU4-PCS-TC-31-04232	VY022081.D	30 Apr 2025 14:21	vial-B	SY/MD	Ok
14	Q1883-11	OU4-PCS-TC-32-04232	VY022082.D	30 Apr 2025 14:44	Internal Standard Fail; Surrogate fail	SY/MD	ReRun
15	Q1883-13	OU4-VSL-18-042325	VY022083.D	30 Apr 2025 15:11	NOT PURGE	SY/MD	Not Ok
16	Q1883-15	OU4-VSL-19-042325	VY022084.D	30 Apr 2025 15:55	vial-B	SY/MD	Ok
17	Q1907-01	CO-8R-WC	VY022085.D	30 Apr 2025 16:18	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY043025

Review By	Semsettin Yesilyurt	Review On	5/5/2025 4:24:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:55:11 PM		
SubDirectory	VY043025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133787
Initial Calibration Stds	
CCC	VP133788,VP133789
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1901-01	B-170-SB00	VY022086.D	30 Apr 2025 16:42	vial-A	SY/MD	Ok
19	Q1901-02	B-167-SB01	VY022087.D	30 Apr 2025 17:05	vial-A	SY/MD	Ok
20	Q1901-03	B-170-SB01	VY022088.D	30 Apr 2025 17:29	vial-A	SY/MD	Ok
21	Q1901-04	B-167-SB02	VY022089.D	30 Apr 2025 17:52	vial-A	SY/MD	Ok
22	Q1901-05	B-170-SB02	VY022090.D	30 Apr 2025 18:16	vial-A	SY/MD	Ok
23	Q1916-03	WC-12-VOC	VY022091.D	30 Apr 2025 18:39	vial-A Internal Standard Fail	SY/MD	ReRun
24	Q1917-03	MH-JJ-VOC	VY022092.D	30 Apr 2025 19:03	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022093.D	30 Apr 2025 19:25		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050125

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:02 PM			
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:57:16 PM			
SubDirectory	VY050125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP133796
Initial Calibration Stds	
CCC	VP133797,VP133798
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022094.D	01 May 2025 08:20		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022095.D	01 May 2025 08:50		SY/MD	Ok,M
3	VY0501SBL01	VY0501SBL01	VY022096.D	01 May 2025 10:11		SY/MD	Ok
4	VY0501SBS01	VY0501SBS01	VY022097.D	01 May 2025 10:42		SY/MD	Ok,M
5	VY0501SBSD01	VY0501SBSD01	VY022098.D	01 May 2025 11:04		SY/MD	Ok,M
6	Q1920-01	291	VY022099.D	01 May 2025 11:54	vial-A	SY/MD	Ok
7	Q1911-01RE	EO-03-04292025RE	VY022100.D	01 May 2025 12:17	vial-B Internal Standard Fail	SY/MD	Confirms
8	Q1916-03	WC-12-VOC	VY022101.D	01 May 2025 12:41	vial-B	SY/MD	Ok
9	Q1923-01	TR-05-04302025	VY022102.D	01 May 2025 13:04	vial-A Internal Standard Fail	SY/MD	ReRun
10	Q1922-03	MH-R-VOC	VY022103.D	01 May 2025 13:28	vial-A	SY/MD	Ok
11	Q1922-07	MH-2-VOC	VY022104.D	01 May 2025 13:51	vial-A	SY/MD	Ok
12	Q1883-11	OU4-PCS-TC-32-04232	VY022105.D	01 May 2025 14:15	vial-B	SY/MD	Ok
13	Q1883-13	OU4-VSL-18-042325	VY022106.D	01 May 2025 14:38	vial-B	SY/MD	Ok
14	Q1914-01	SS-1	VY022107.D	01 May 2025 15:02	vial-A	SY/MD	Ok
15	Q1914-02	SS-91	VY022108.D	01 May 2025 15:28	vial-A	SY/MD	Ok
16	Q1914-03	SS-2	VY022109.D	01 May 2025 16:04	vial-A	SY/MD	Ok
17	Q1914-04	SS-3	VY022110.D	01 May 2025 16:27	vial-A	SY/MD	Ok
18	Q1914-05	SS-4	VY022111.D	01 May 2025 16:49	vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050125

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:57:16 PM		
SubDirectory	VY050125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133796
Initial Calibration Stds	
CCC	VP133797,VP133798
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1914-06	SS-5	VY022112.D	01 May 2025 17:16	vial-A Need MeoH	SY/MD	Dilution
20	Q1914-07	SS-6	VY022113.D	01 May 2025 17:37	vial-A Internal Standard Fail;Need MeOH	SY/MD	Dilution
21	Q1914-09	SS-8	VY022114.D	01 May 2025 18:00	vial-A Internal Standard Fail; Surrogate Fail;Need MeOH	SY/MD	Dilution
22	Q1914-10MS	SS-8MS	VY022115.D	01 May 2025 18:23	vial-A Surrogate fail	SY/MD	Ok
23	Q1914-11MSD	SS-8MSD	VY022116.D	01 May 2025 18:46	vial-A Surrogate faill	SY/MD	Ok,M
24	VSTDCCC050	VSTDCCC050EC	VY022117.D	01 May 2025 19:08		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022144.D	05 May 2025 08:15		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022145.D	05 May 2025 08:46		SY/MD	Ok,M
3	VY0505SBL01	VY0505SBL01	VY022146.D	05 May 2025 09:24		SY/MD	Ok
4	VY0505SBS01	VY0505SBS01	VY022147.D	05 May 2025 09:55		SY/MD	Ok,M
5	VY0505SBSD01	VY0505SBSD01	VY022148.D	05 May 2025 10:17		SY/MD	Ok,M
6	Q1933-01RE	OK-01-050125RE	VY022149.D	05 May 2025 11:14	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1946-01	BB-CONCRETE	VY022150.D	05 May 2025 11:37	vial-A	SY/MD	Ok
8	Q1952-01	CLEAN-FILL	VY022151.D	05 May 2025 12:01	vial-A Internal Standard Fail	SY/MD	ReRun
9	Q1951-03	MH-KK-VOC	VY022152.D	05 May 2025 12:24	vial-A	SY/MD	Ok
10	Q1947-03	MH-P-VOC	VY022153.D	05 May 2025 12:47	vial-A	SY/MD	Ok
11	Q1947-07	MH-O-VOC	VY022154.D	05 May 2025 13:11	vial-A	SY/MD	Ok
12	Q1938-02	LOWER-WALL-PILE-A	VY022155.D	05 May 2025 13:34	vial-A	SY/MD	Ok
13	Q1938-04	LOWER-WALL-PILE-B	VY022156.D	05 May 2025 13:58	vial-A	SY/MD	Ok
14	Q1938-06	LOWER-WALL-PILE-C	VY022157.D	05 May 2025 14:21	vial-A	SY/MD	Ok
15	Q1938-08	LOWER-WALL-PILE-D	VY022158.D	05 May 2025 14:45	vial-A	SY/MD	Ok
16	Q1936-04	SMALL-PILE-B	VY022159.D	05 May 2025 15:08	vial-A	SY/MD	Ok
17	Q1936-06	SMALL-PILE-C	VY022160.D	05 May 2025 15:31	vial-A	SY/MD	Ok
18	Q1936-08	SMALL-PILE-D	VY022161.D	05 May 2025 15:55	vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050525

Review By	Mahesh Dadoda	Review On	5/6/2025 12:40:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/6/2025 12:45:00 PM		
SubDirectory	VY050525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133812
Initial Calibration Stds	
CCC	VP133813,VP133814
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1956-01	SB1-3-4	VY022162.D	05 May 2025 16:18	vial-A	SY/MD	Ok
20	Q1956-02	SB2-4-5	VY022163.D	05 May 2025 16:42	vial-A	SY/MD	Ok
21	Q1956-06	SB91-3-4	VY022164.D	05 May 2025 17:05	vial-A	SY/MD	Ok
22	Q1956-03MS	SB2-4-5MS	VY022165.D	05 May 2025 17:28	vial-A	SY/MD	Ok,M
23	Q1956-04MSD	SB2-4-5MSD	VY022166.D	05 May 2025 17:51	vial-A	SY/MD	Ok,M
24	Q1883-17	SO-TB-01-042325	VY022167.D	05 May 2025 18:14	vial-A	SY/MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VY022168.D	05 May 2025 18:37		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

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
Q1883-01	OU4-PCS-TC-27-042325	1	1.18	10.04	11.22	10.67	94.5	
Q1883-03	OU4-PCS-TC-28-042325	2	1.14	9.97	11.11	10.56	94.5	
Q1883-05	OU4-PCS-TC-29-042325	3	1.19	10.54	11.73	11.28	95.7	
Q1883-07	OU4-PCS-TC-30-042325	4	1.17	10.15	11.32	10.96	96.5	
Q1883-09	OU4-PCS-TC-31-042325	5	1.18	10.48	11.66	11.34	96.9	
Q1883-11	OU4-PCS-TC-32-042325	6	1.18	9.96	11.14	10.87	97.3	
Q1883-13	OU4-PCS-18-042325	7	1.15	10.25	11.4	10.86	94.7	
Q1883-15	OU4-PCS-19-042325	8	1.19	10.54	11.73	11.29	95.8	
Q1884-01	P001-SS037-01	9	1.17	10.30	11.47	10.87	94.2	
Q1884-02	P001-SS038-01	10	1.17	10.32	11.49	11.22	97.4	
Q1888-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1888-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1888-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1888-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q1888-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q1888-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q1888-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q1888-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q1888-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q1888-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q1889-01	COMP-1	21	1.19	10.07	11.26	9.5	82.5	
Q1889-02	COMP-2	22	1.16	10.50	11.66	9.61	80.5	
Q1889-03	COMP-3	23	1.11	10.73	11.84	9.77	80.7	
Q1891-01	MH-C	24	1.15	9.48	10.63	9.8	91.2	
Q1891-02	MH-C-EPH	25	1.16	9.82	10.98	10.15	91.5	
Q1891-03	MH-C-VOC	26	1.19	9.94	11.13	10.2	90.6	
Q1891-05	MH-D	27	1.15	10.17	11.32	9.64	83.5	
Q1891-06	MH-D-EPH	28	1.15	9.97	11.12	8.74	76.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

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
Q1891-07	MH-D-VOC	29	1.18	9.46	10.64	8.83	80.9	
Q1892-01	MH-G	30	1.13	9.61	10.74	9.35	85.5	
Q1892-02	MH-G-EPH	31	1.15	10.29	11.44	9.98	85.8	
Q1892-03	MH-G-VOC	32	1.18	10.45	11.63	9.82	82.7	
Q1892-05	MH-H	33	1.14	9.66	10.8	9.92	90.9	
Q1892-06	MH-H-EPH	34	1.12	10.66	11.78	10.68	89.7	
Q1892-07	MH-H-VOC	35	1.18	10.19	11.37	10.28	89.3	
Q1892-09	MH-U2	36	1.18	10.04	11.22	9.96	87.5	
Q1892-10	MH-U2-EPH	37	1.19	10.34	11.53	10.04	85.6	
Q1892-11	MH-U2-VOC	38	1.18	10.22	11.4	10.14	87.7	
Q1893-01	UGGP-1	39	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-02	UGGP-2	40	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-03	INTERIOR-1	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-04	INTERIOR-2	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-05	INTERIOR-3	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-06	INTERIOR-4	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-07	EXTERIOR-1	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1895-01	COMP-1	55	1.14	10.58	11.72	10.97	92.9	
Q1895-03	COMP-2	56	1.14	10.77	11.91	10.96	91.2	
Q1895-05	COMP-3	57	1.18	10.06	11.24	10.56	93.2	
Q1896-01	295-BERGEN-RO	58	1.14	11.31	12.45	10.91	86.4	
Q1896-02	295-BERGEN-RO	59	1.18	10.01	11.19	9.9	87.1	
Q1898-01	41525A	60	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-02	41525B	61	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-03	42525A	62	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-04	42525B	63	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1900-01	WC-1	46	1.14	9.98	11.12	9.56	84.4	
Q1900-02	WC-1-EPH	47	1.14	10.35	11.49	10.19	87.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

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
Q1900-03	WC-1-VOC	48	1.14	10.01	11.15	9.73	85.8	
Q1900-05	WC-2	49	1.19	8.82	10.01	8.76	85.8	
Q1900-06	WC-2-EPH	50	1.19	10.08	11.27	9.76	85.0	
Q1900-07	WC-2-VOC	51	1.17	10.79	11.96	10.33	84.9	
Q1900-09	WC-3	52	1.14	9.61	10.75	9.32	85.1	
Q1900-10	WC-3-EPH	53	1.12	10.38	11.5	9.11	77.0	
Q1900-11	WC-3-VOC	54	1.19	10.71	11.9	10.39	85.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-03	OU4-PCS-TC-28-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-05	OU4-PCS-TC-29-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-07	OU4-PCS-TC-30-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-09	OU4-PCS-TC-31-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-11	OU4-PCS-TC-32-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-13	OU4-PCS-18-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-15	OU4-PCS-19-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1884-01	P001-SS037-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1884-02	P001-SS038-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1888-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1889-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO

Date/Time 04/25/25 15:20

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: JD (SM)

Date/Time 04/25/25 17:30

Raw Sample Received by: JD (SM)

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

UB 135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1889-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1889-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1891-01	MH-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-02	MH-C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-03	MH-C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-05	MH-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-06	MH-D-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-07	MH-D-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-09	MH-U2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-10	MH-U2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1892-11	MH-U2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1893-01	UGGP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1893-02	UGGP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-03	INTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-04	INTERIOR-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time 04/25/25 1520

Raw Sample Received by: JD (wl U)

Raw Sample Relinquished by: JD CSM

Date/Time 04/25/25 17:30

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD (wl C)

WORKLIST(Hardcopy Internal Chain)

VP 135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1893-05	INTERIOR-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-06	INTERIOR-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-07	EXTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-03	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-05	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-01	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-02	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-01	41525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-02	41525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-03	42525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-04	42525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-05	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-06	WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-07	WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-09	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-10	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-11	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time 04/25/25 13:20

Raw Sample Received by: JD WEC

Raw Sample Relinquished by: JD CSM

Date/Time 04/25/25 17:30

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD WEC

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Prep Standard - Chemical Standard Summary

Order ID : Q1883

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: VY042925,VY043025,vy050125,vy050525,

Standard ID :
VP131767,VP131783,VP132035,VP132036,VP132098,VP133175,VP133544,VP133545,VP133758,VP133759,VP133781,VP133782,VP133783,VP133787,VP133788,VP133789,VP133796,VP133797,VP133798,VP133812,VP133813,VP133814,

Chemical ID :
V13391,V13466,V13706,V14154,V14289,V14431,V14435,V14501,V14502,V14523,V14524,V14613,V14614,V14615,V14630,V14631,V14632,V14633,V14719,V14720,V14726,V14744,V14753,V14804,V14805,V14842,V14915,V14916,V14917,V14918,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP131783	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.02000ml of V14289 + 9.98000ml of V14154 = Final Quantity: 10.000 ml

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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
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

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
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133544	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 0.40000ml of V14842 + 1.00000ml of V14431 + 1.00000ml of V14435 + 1.00000ml of V14501 + 1.00000ml of V14502 + 1.00000ml of V14523 + 1.00000ml of V14524 + 1.00000ml of V14726 + 1.00000ml of V14744 + 1.00000ml of V14753 + 1.00000ml of V14804 + 1.00000ml of V14805 + 1.50000ml of V14719 + 1.50000ml of V14720 + 10.60000ml of V14615 = 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	VP133545	04/01/2025	05/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 5.62500ml of V14615 + 9.37500ml of VP133544 = 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
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
732	BFB TUNE CHECK - SOIL	VP133781	04/29/2025	04/30/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = 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	VP133782	04/29/2025	04/30/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = 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	VP133783	04/29/2025	04/30/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133787	04/30/2025	05/01/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = 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	VP133788	04/30/2025	05/01/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = 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	VP133789	04/30/2025	05/01/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = 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
732	BFB TUNE CHECK - SOIL	VP133796	05/01/2025	05/02/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = 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	VP133797	05/01/2025	05/02/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = 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	VP133798	05/01/2025	05/02/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
732	BFB TUNE CHECK - SOIL	VP133812	05/05/2025	05/06/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.99800ml of W3112 + 0.00200ml of VP131767 = 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	VP133813	05/05/2025	05/06/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = 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	VP133814	05/05/2025	05/06/2025	Amit Patel	None	None	Mahesh Dadoda 05/07/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133545 + 0.00250ml of VP133759 + 0.00500ml of VP131783 = Final Quantity: 5.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14431

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14501

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	09/20/2025	03/20/2025 / SAM	09/17/2024 / SAM	V14502

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	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14523

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	09/20/2025	03/20/2025 / SAM	09/18/2024 / SAM	V14524

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	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 #
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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14719

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	09/20/2025	03/20/2025 / SAM	12/17/2024 / SAM	V14720

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	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14726

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	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

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	07/30/2025	01/30/2025 / SAM	12/17/2024 / SAM	V14753

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	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14804

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	09/20/2025	03/20/2025 / SAM	01/08/2025 / SAM	V14805

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	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

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

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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 #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 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

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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

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(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	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (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	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

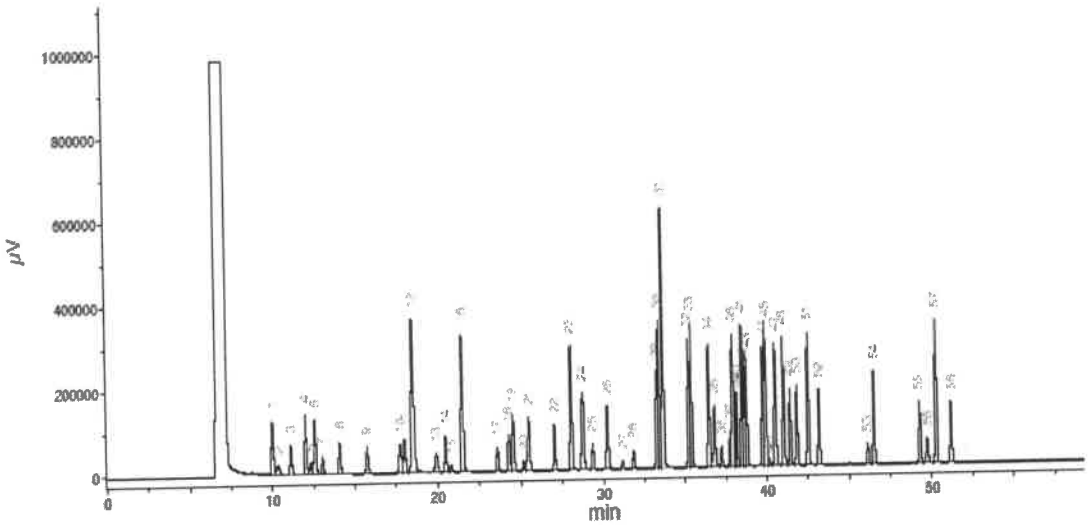
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(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	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (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	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

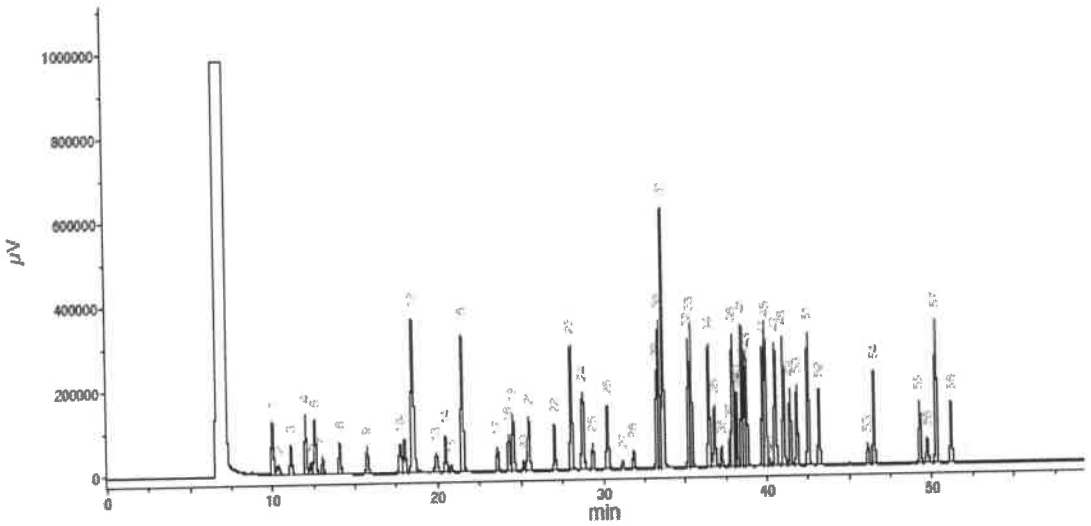
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening 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

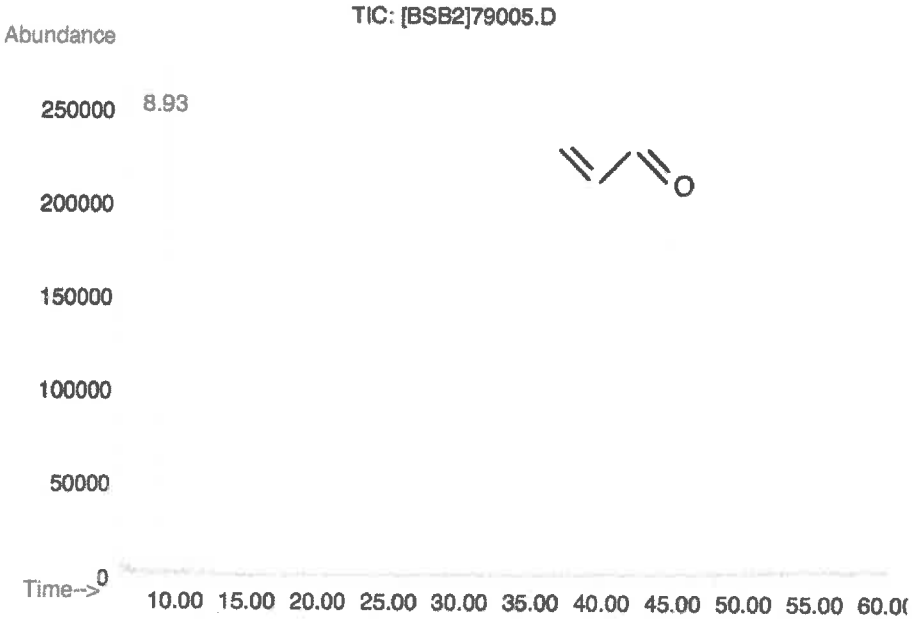
V14914 10
V14918

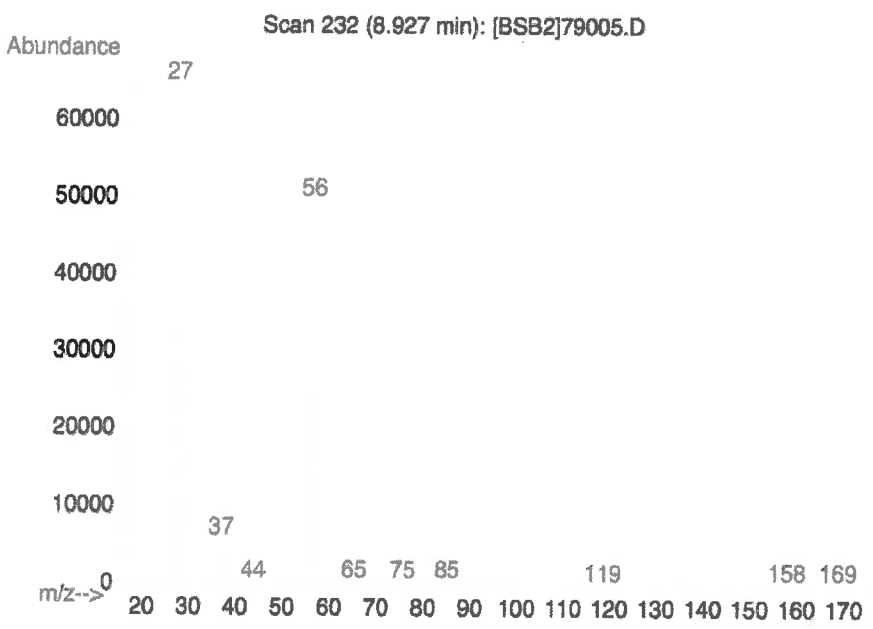
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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

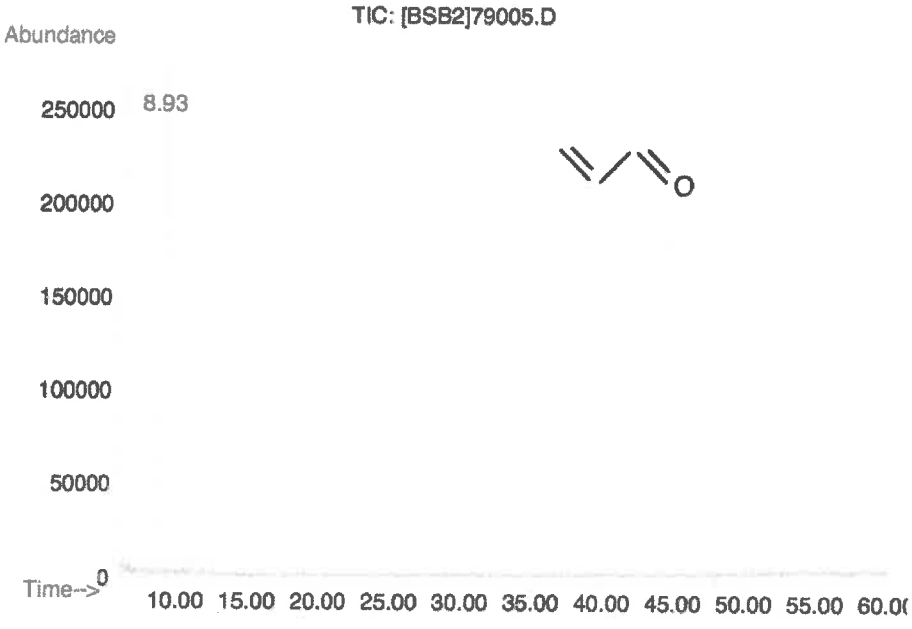
V14914 10
V14918

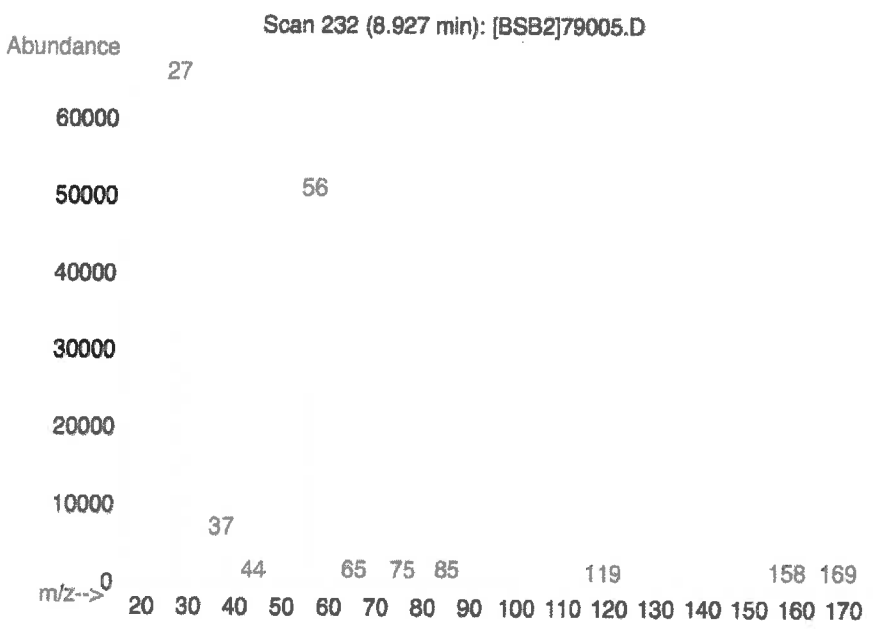
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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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Rev 1.0, 2/25/2025

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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 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

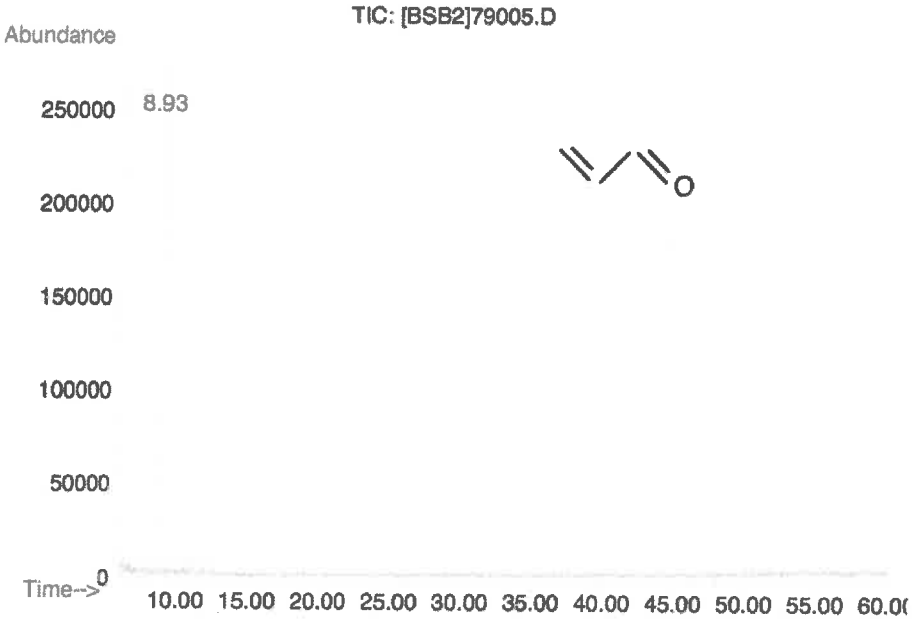
V14914 10
V14918

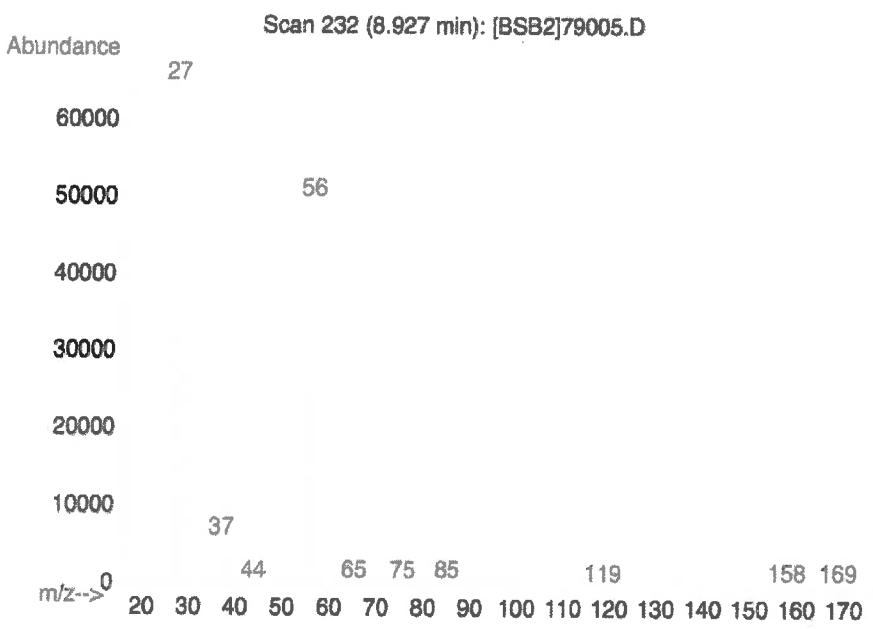
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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

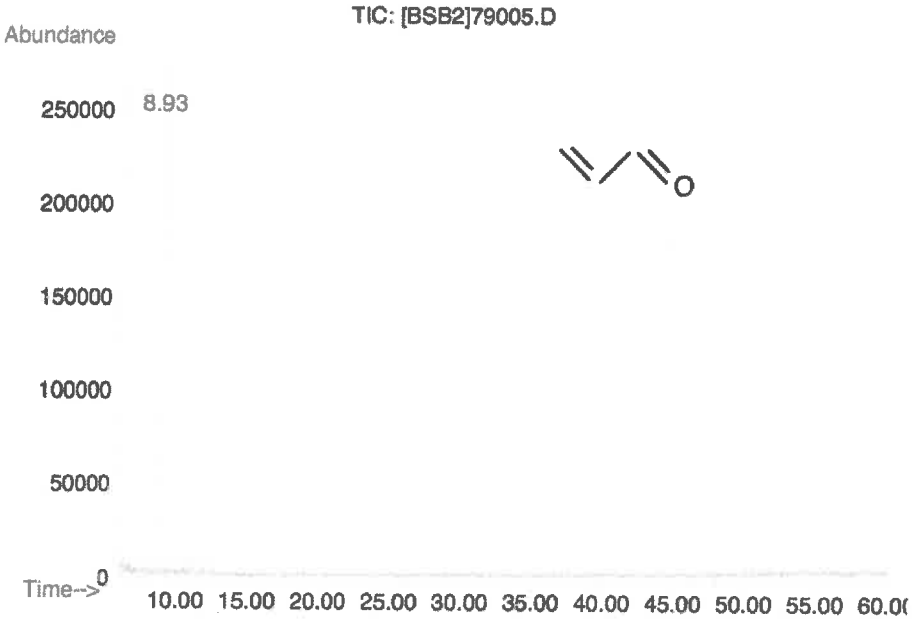
V14914 10
V14918

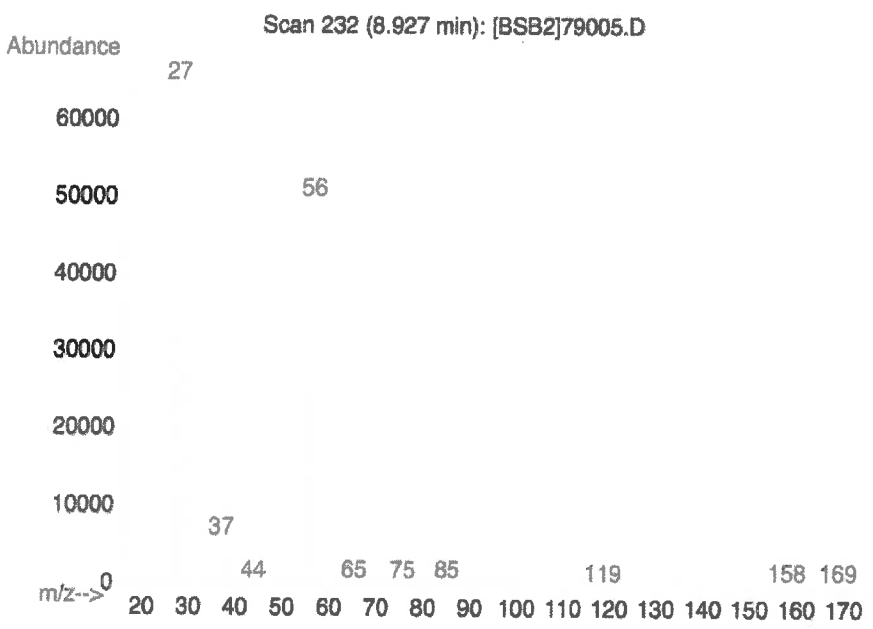
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

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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Rev 1.0, 2/25/2025

Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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.
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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

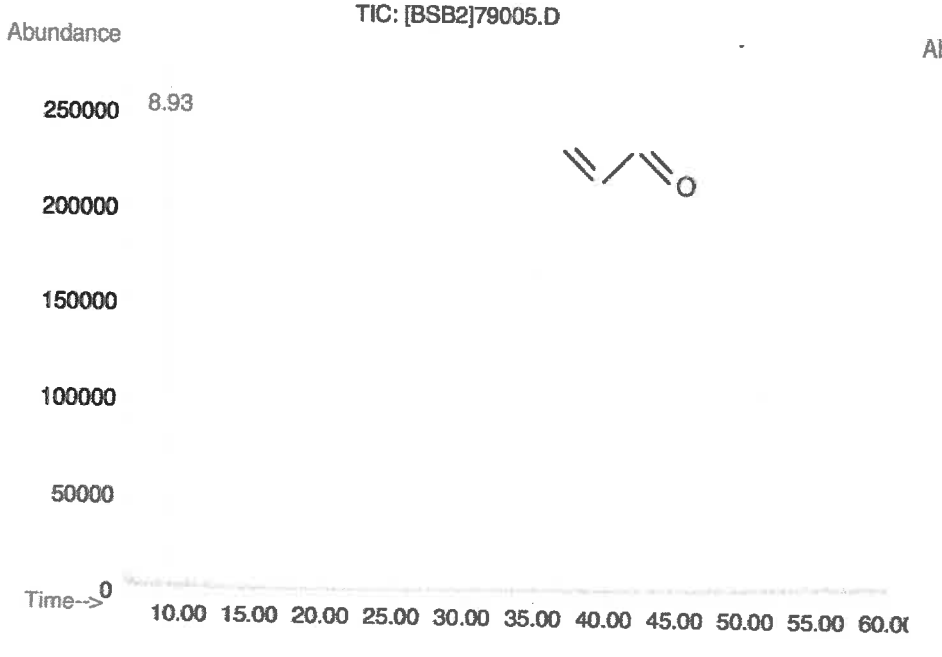
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

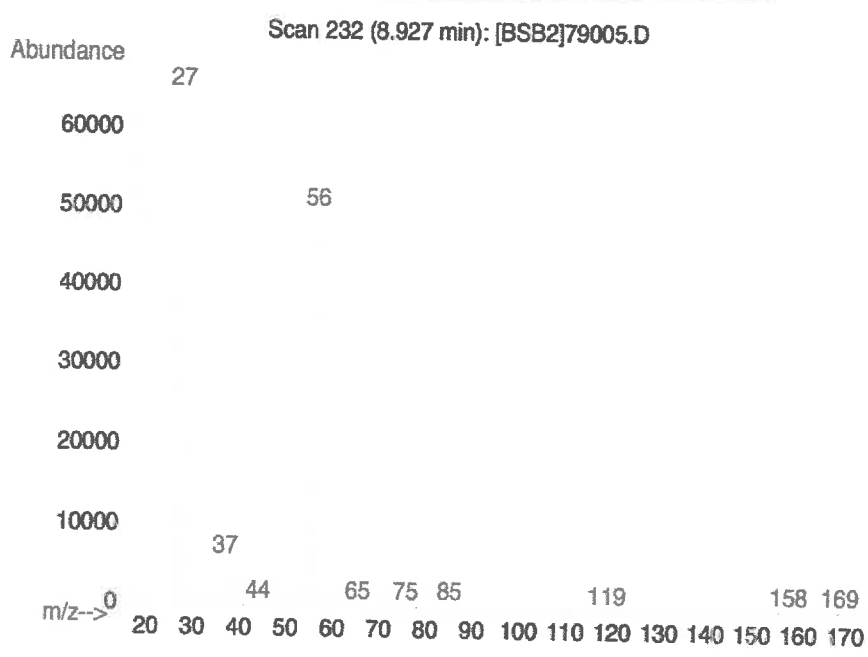
Formulated By: Justin Dippold 091424 DATE

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
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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

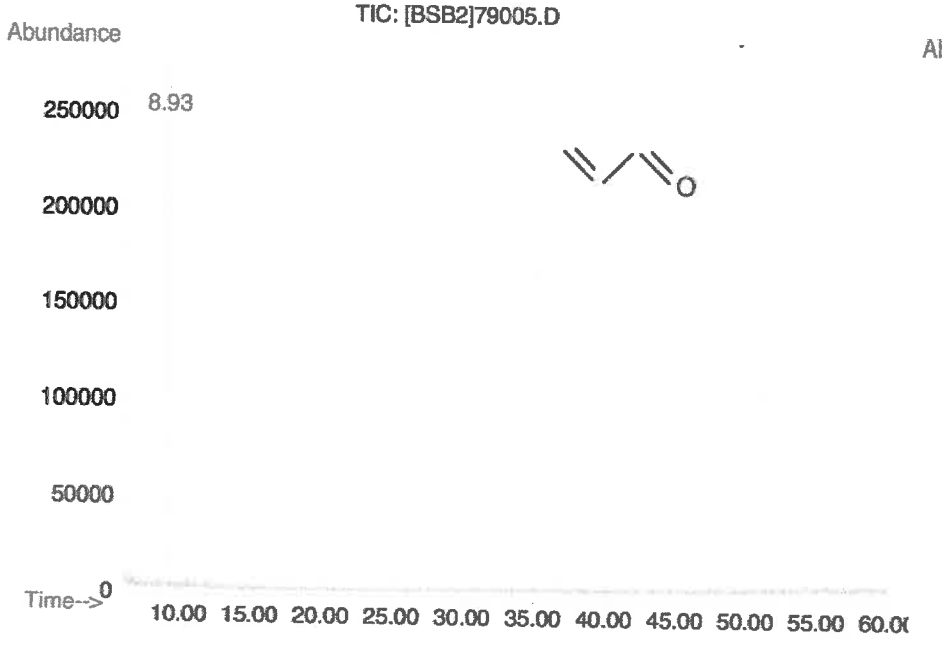
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

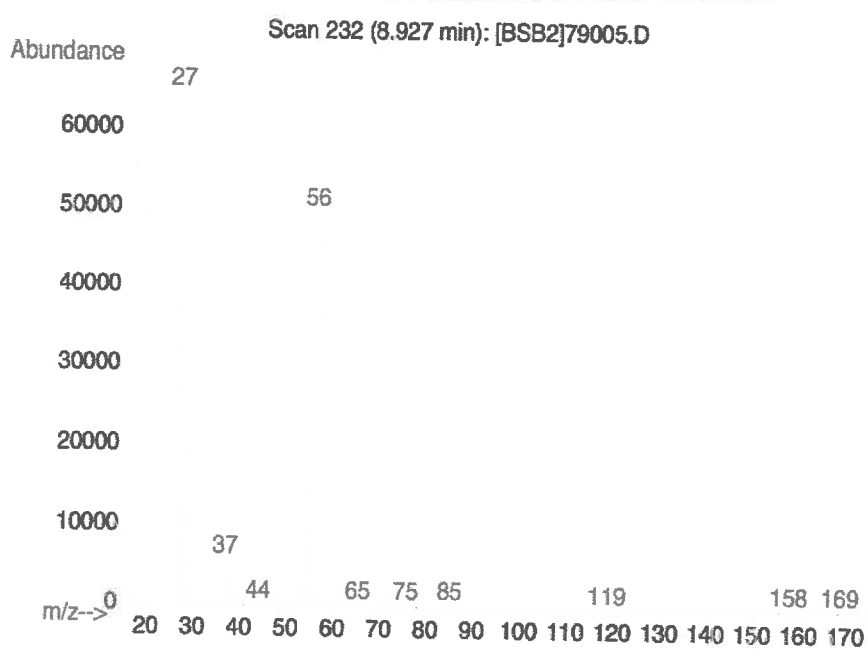
Formulated By: Justin Dippold 091424 DATE

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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- 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).

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

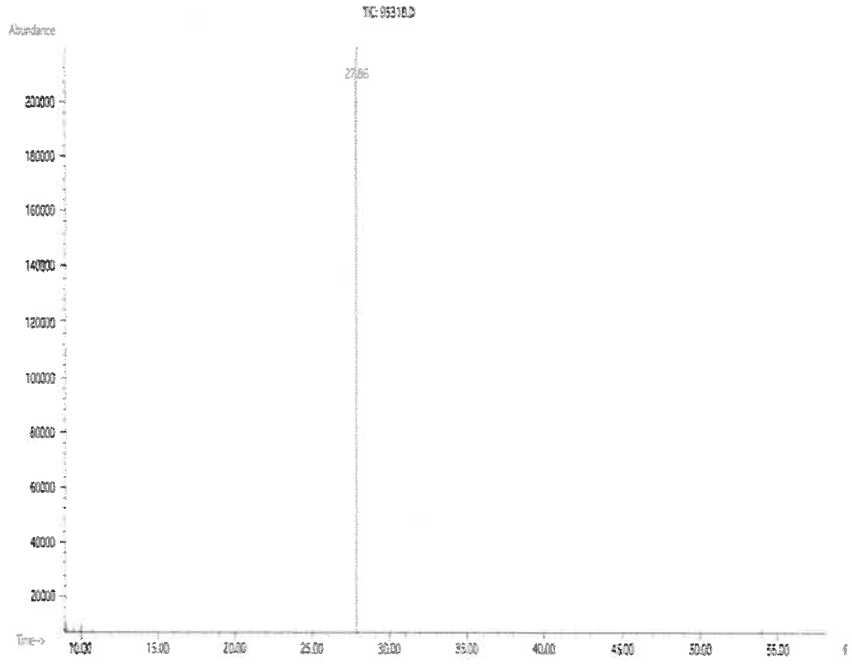
V14630 to V14649

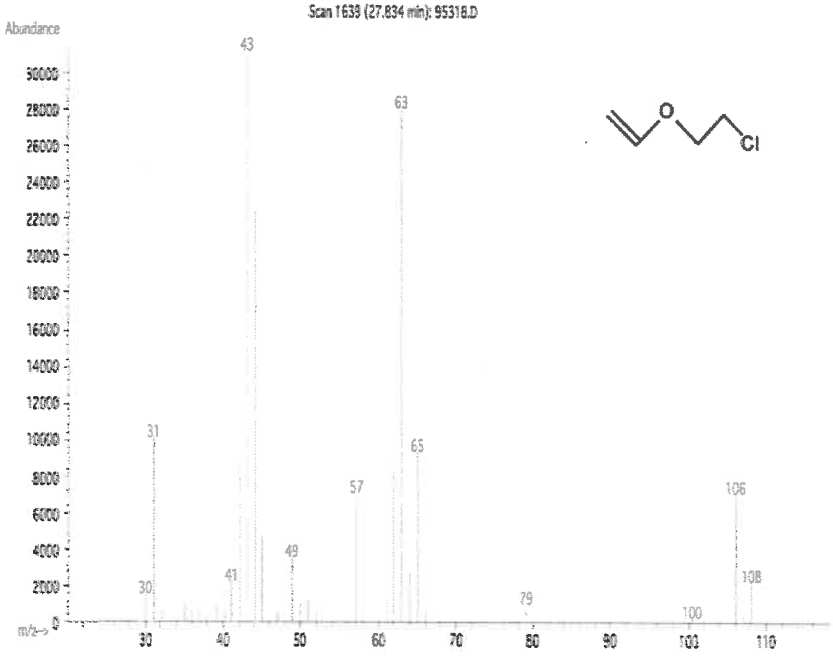
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

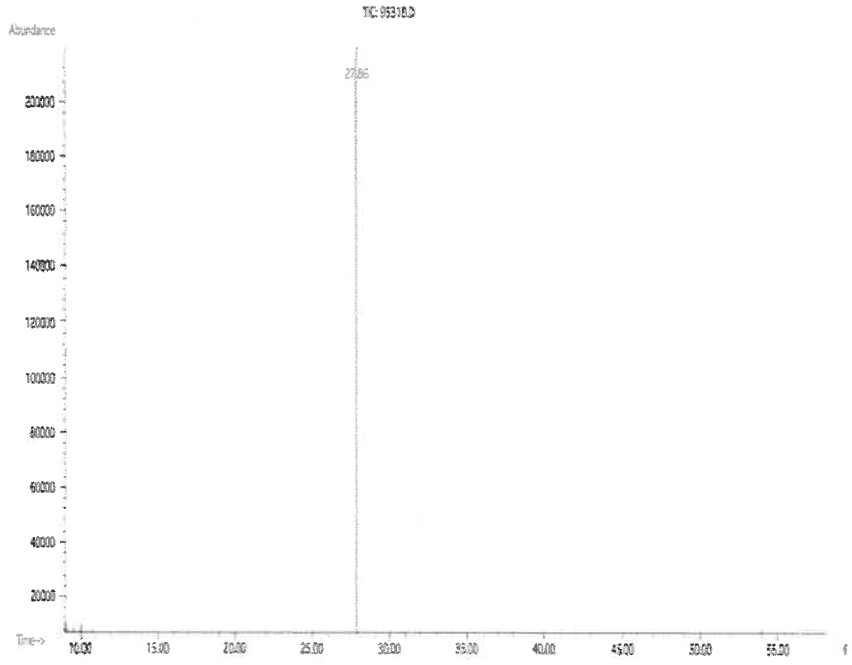
V14630 to V14649

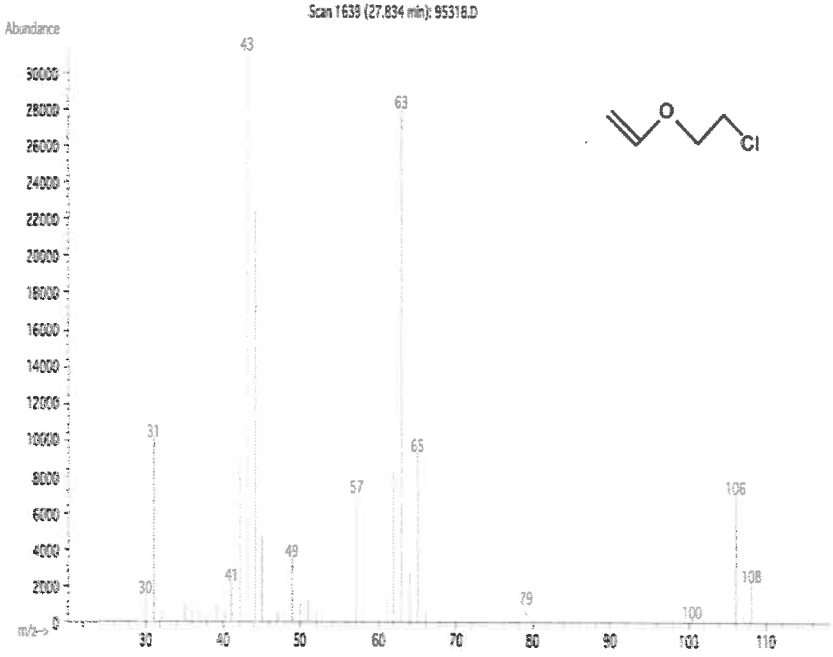
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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.
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LD50 Oral - rat - 5,628 mg/kg
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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.

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The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

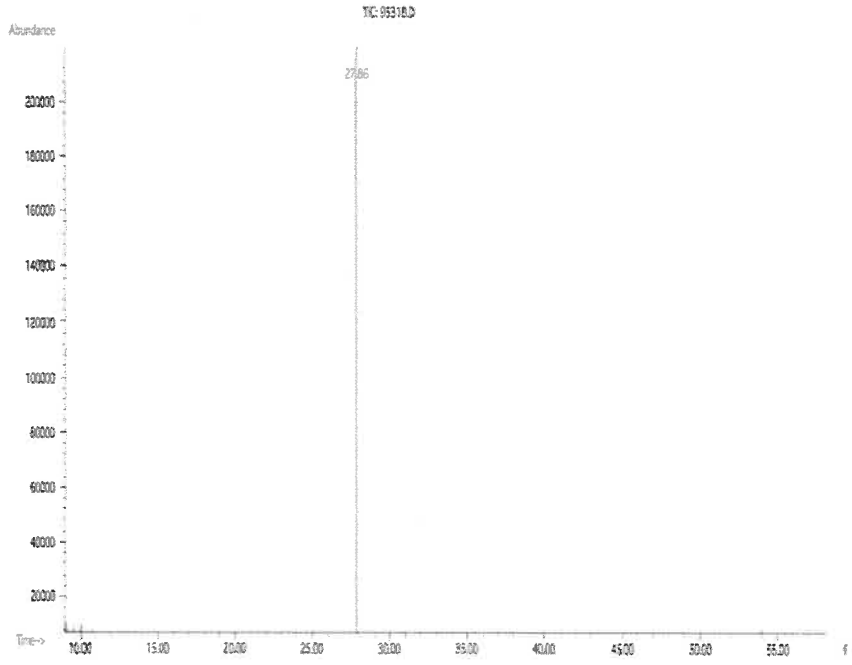
V14630 to V14649

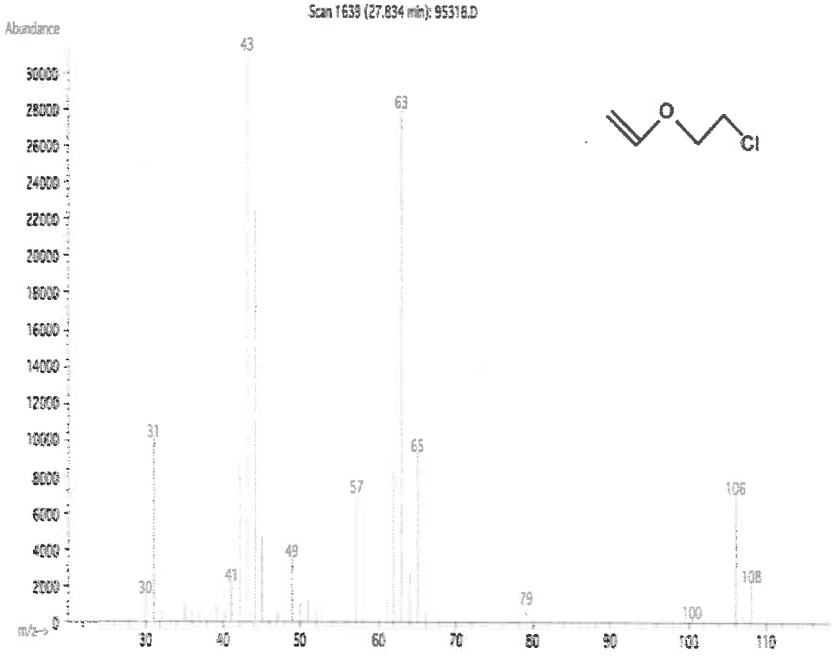
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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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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)

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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.

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General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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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.
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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

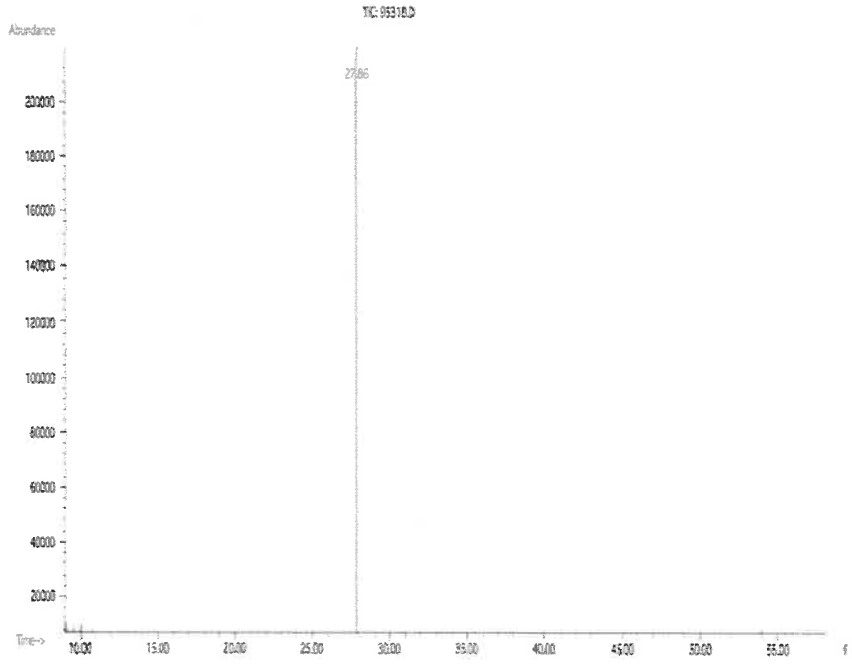
V14630 to V14649

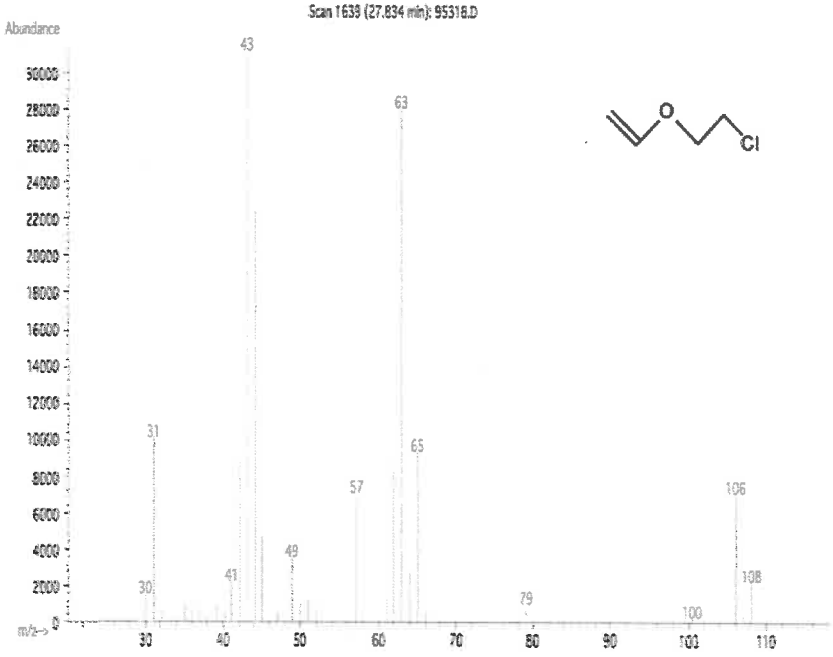
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

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Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
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UN number: 1230 Class: 3 Packing group: II
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IATA
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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. : 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.)

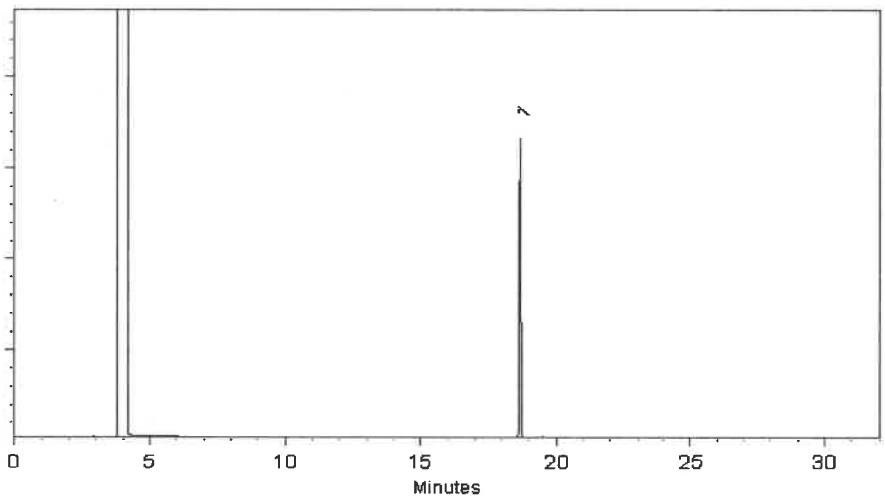
Inj. Temp:
200°C

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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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

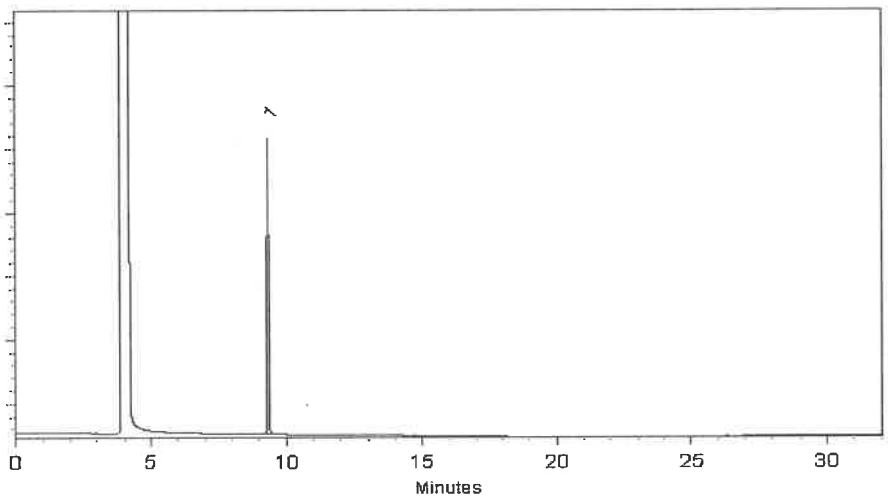
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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:

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Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

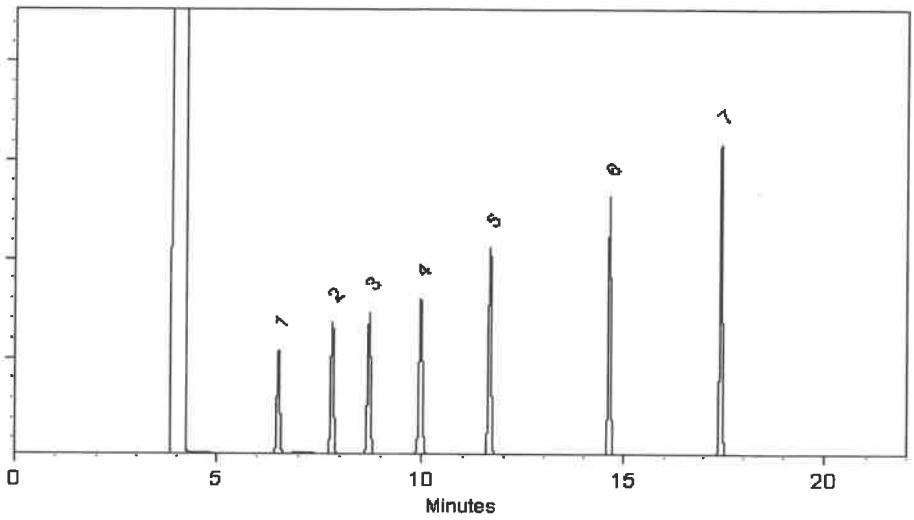
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

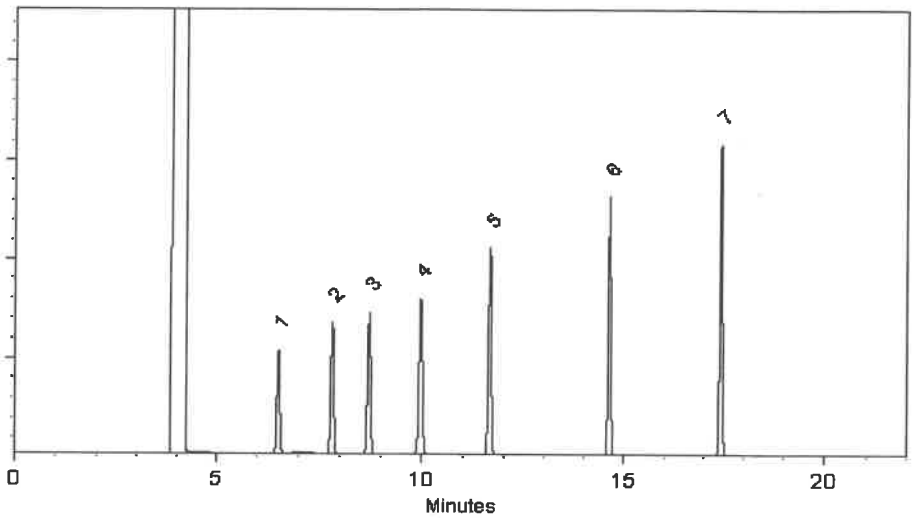
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

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. : 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.)

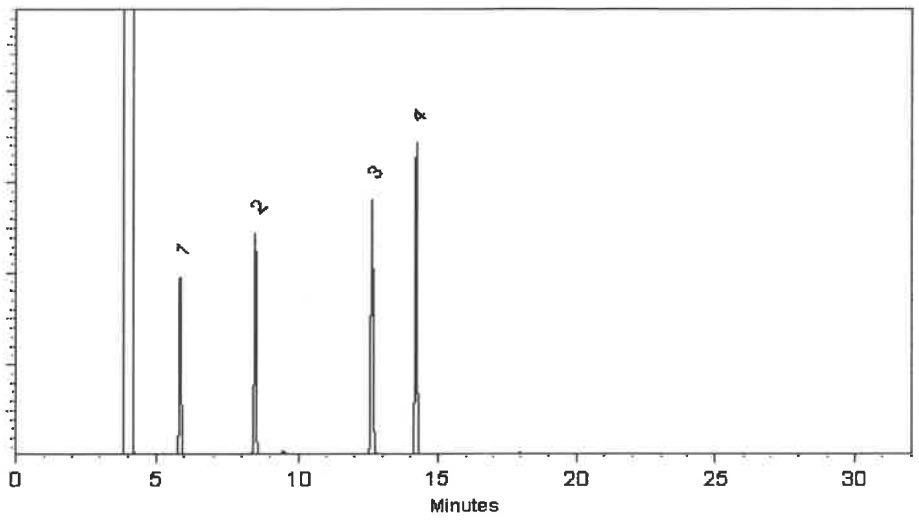
Inj. Temp:
200°C

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.
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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.)

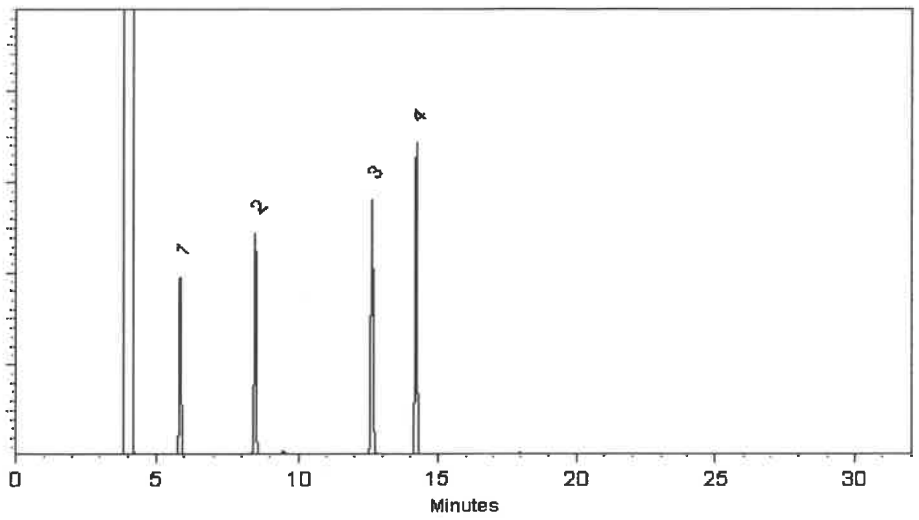
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
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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.)

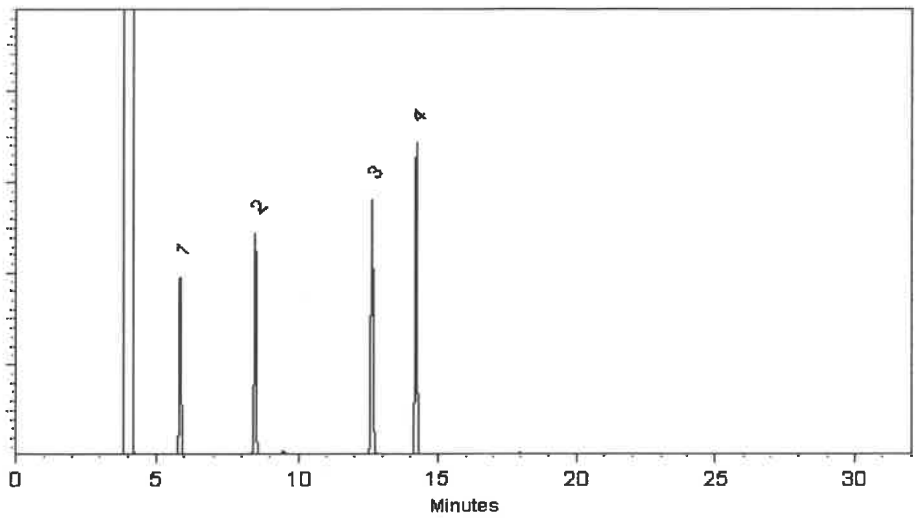
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

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V14727 to
V14756

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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. : 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.

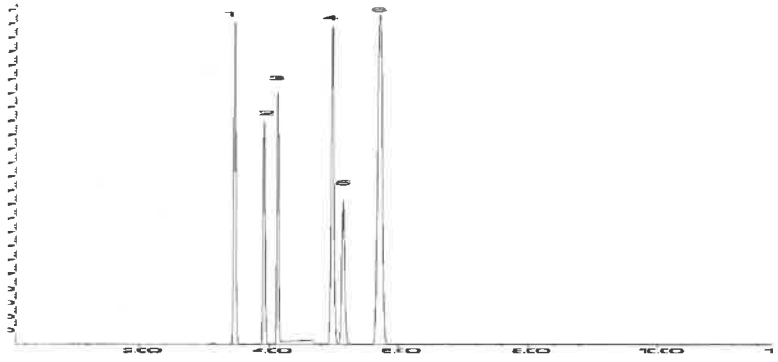
Inj. Temp:
200°C

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.
- 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 Vial

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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
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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.

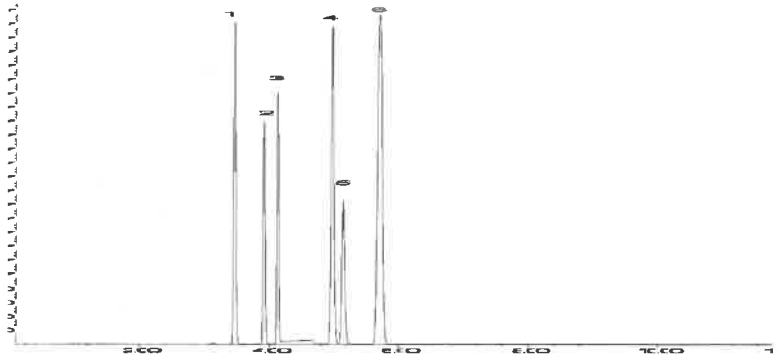
Inj. Temp:
200°C

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

ISO 17034 Accredited
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.)

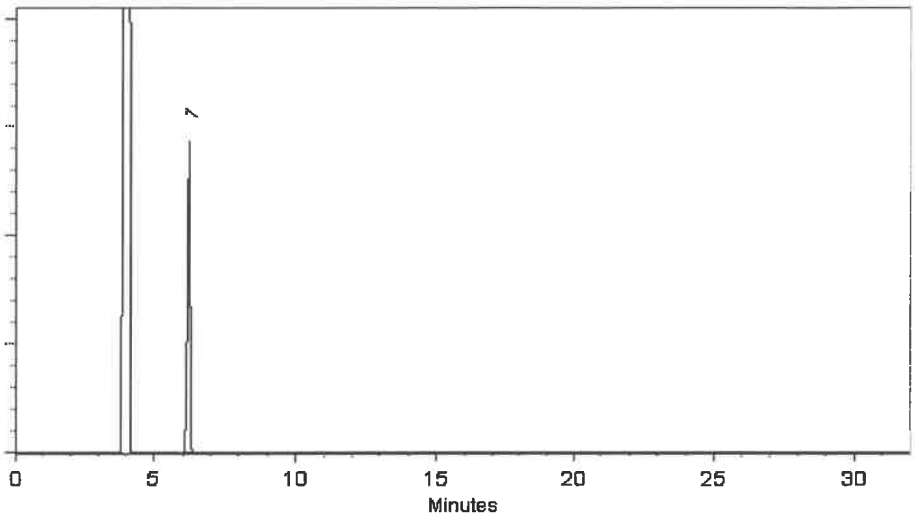
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.)

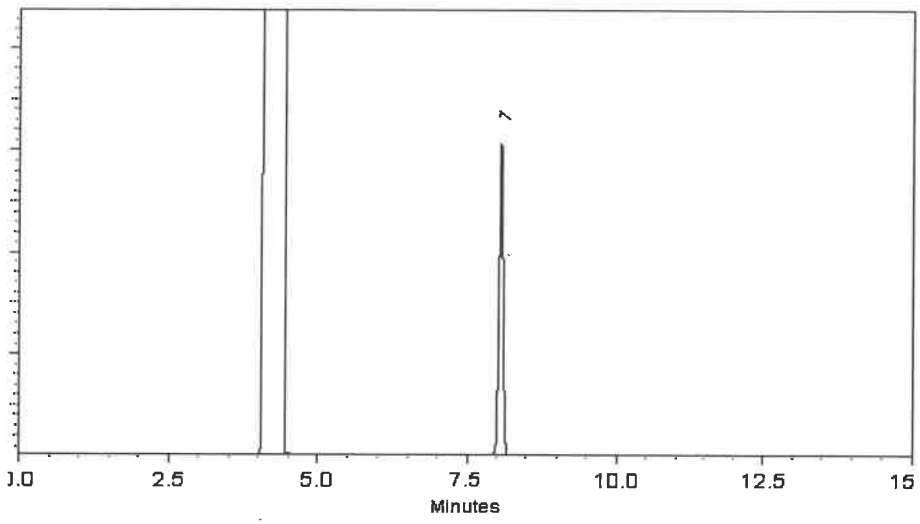
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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%.
- 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:

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Handling Notes:

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Zoviny Rec 01/08/21

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

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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. : 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.)

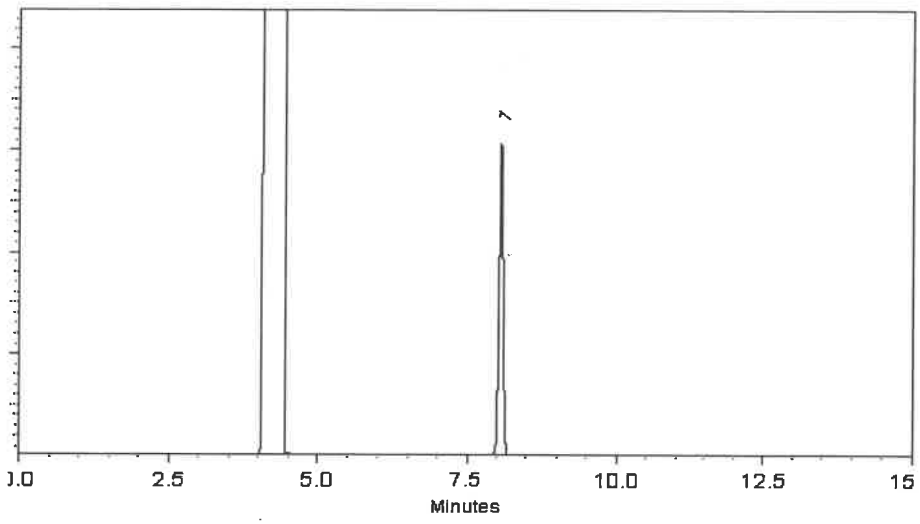
Inj. Temp:
200°C

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

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

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

Preservation Log

BalanceID: VOA-SC-2

Review By: MMdadoda

Supervise By: Amit

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	Q1883-01	42.44-32.62=9.82	12:00	44.32-32.68=11.64	12:01	34.45-30.08=4.37	12:02	V14143	04/25/2025	8260 TERRACORE
2	Q1883-03	47.51-33.23=14.28	12:03	48.71-33.16=15.55	12:04	34.24-30.67=3.57	12:06	V14143	04/25/2025	
3	Q1883-05	43.41-33.28=10.13	12:07	47.04-33.18=13.86	12:08	35.14-30.71=4.43	12:09	V14143	04/25/2025	
4	Q1883-07	44.75-33.24=11.51	12:10	46.81-33.08=13.73	12:10	34.21-30.66=3.55	12:11	V14143	04/25/2025	
5	Q1883-09	45.36-33.21=12.15	12:13	44.39-33.21=11.18	12:13	33.96-30.68=3.28	12:15	V14143	04/25/2025	
6	Q1883-11	47.51-33.29=14.22	12:15	47.53-33.10=14.43	12:17	34.69-30.68=4.01	12:17	V14143	04/25/2025	
7	Q1883-13	47.71-32.63=15.08	12:18	46.82-32.53=14.29	12:19	34.55-29.88=4.67	12:20	V14143	04/25/2025	
8	Q1883-15	47.36-32.35=15.01	12:21	46.37-32.21=14.16	12:22	34.85-30.13=4.72	12:23	V14143	04/25/2025	
9	Q1883-17	5-0=5	12:24	0-0=0		0-0=0		V14143	04/25/2025	5ml water in 40ml vial

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

Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Q1883

Page 1 of 1

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	S. Stone

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other: Equis edd
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020	
	OU4-PCS-TC-27-042325	4/23/25	12:45	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-28-042326	4/23/25	12:50	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-29-042327	4/23/25	13:00	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-30-042328	4/23/25	13:15	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-31-042329	4/23/25	13:20	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-PCS-TC-32-042330	4/23/25	13:30	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-VSL-18-042325	4/23/25	11:20	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	OU4-VSL-19-042326	4/23/25	11:50	C	SO		3	2	1				X	X	X	X	X	X	X	X	X	
	SO-TB-01-042325	4/23/25	800		SO		3						X									

Relinquished by: (signature) Date/Time: 4/24/25 1310
Received by: (signature) Date/Time: 4/25/25 0930
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:
Relinquished by: (signature) Date/Time:
Received by: (signature) Date/Time:

Client Comments: Other preservative is DI water. DI preserved VOCs were frozen on 4/24/25 @ 0600. Freeze upon receiving.

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 3.6°C Adjust Factor +1 IR Run #1

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

[2] Preservation Code
Cooler ID Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

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 : Q1883 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 4/25/2025 10:10:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 4/25/2025 9:30:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
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
Q1883-01	OU4-PCS-TC-27-042325	Solid	04/23/2025	12:45					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-03	OU4-PCS-TC-28-042325	Solid	04/23/2025	12:50					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-05	OU4-PCS-TC-29-042325	Solid	04/23/2025	13:00					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-07	OU4-PCS-TC-30-042325	Solid	04/23/2025	13:15					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-09	OU4-PCS-TC-31-042325	Solid	04/23/2025	13:20					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-11	OU4-PCS-TC-32-042325	Solid	04/23/2025	13:30					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-13	OU4-PCS-18-042325 VSL	Solid	04/23/2025	11:20					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-15	OU4-PCS-19-042325 VSL	Solid	04/23/2025	11:50					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1883 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 4/25/2025 10:10:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 4/25/2025 9:30:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D		10 Bus. Days
Q1883-17	SO-TB-01-042325	Solid	04/23/2025	08:00					
					VOCMS Group3		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 4/25/25 1120

Received By : Sam
Date / Time : 04/25/25 11:20
Storage Area : VOA Refridgerator Room

02 46
F22

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.360%#		
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.140%#		
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.800%#		
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.740%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3645	25.615	ug/l #	70
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	6265	4.303	ug/l #	93
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	2540	3.148	ug/l	#	59
42) 1,2-Dichloroethane	8.158	62	16046	5.046	ug/l		96
43) Isopropyl Acetate	8.195	43	13940	4.919	ug/l	#	86
44) Trichloroethene	8.865	130	18611	5.231	ug/l		96
45) 1,2-Dichloropropane	9.146	63	14827	5.220	ug/l		99
46) Dibromomethane	9.231	93	9367	5.268	ug/l		96
47) Bromodichloromethane	9.420	83	22170	4.991	ug/l	#	96
48) Methyl methacrylate	9.225	41	5570	4.252	ug/l		94
49) 1,4-Dioxane	9.231	88	1703	89.863	ug/l	#	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414	ug/l		98
52) Toluene	10.170	92	38784	4.665	ug/l		97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649	ug/l	#	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765	ug/l		92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877	ug/l		94
56) Ethyl methacrylate	10.444	69	10816	3.982	ug/l		96
57) 1,3-Dichloropropane	10.719	76	19113	5.020	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606	ug/l		100
59) 2-Hexanone	10.761	43	21558	22.001	ug/l		92
60) Dibromochloromethane	10.914	129	15992	4.863	ug/l		97
61) 1,2-Dibromoethane	11.017	107	11020	4.915	ug/l		98
64) Tetrachloroethene	10.646	164	20545	5.302	ug/l		91
65) Chlorobenzene	11.444	112	48805	5.314	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097	ug/l		98
67) Ethyl Benzene	11.517	91	69548	4.629	ug/l		97
68) m/p-Xylenes	11.627	106	54518	9.119	ug/l		100
69) o-Xylene	11.956	106	24611	4.466	ug/l		98
70) Styrene	11.969	104	39016	4.217	ug/l		97
71) Bromoform	12.133	173	9608	5.111	ug/l	#	98
73) Isopropylbenzene	12.255	105	62917	4.582	ug/l		97
74) N-amyl acetate	12.072	43	10843	4.596	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	15766	8.706	ug/l	#	100
77) Bromobenzene	12.535	156	17570	5.064	ug/l		100
78) n-propylbenzene	12.596	91	76210	4.660	ug/l		100
79) 2-Chlorotoluene	12.682	91	46298	4.868	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191	ug/l		98
82) 4-Chlorotoluene	12.779	91	47541	4.809	ug/l		98
83) tert-Butylbenzene	12.999	119	46171	4.550	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387	ug/l		99
85) sec-Butylbenzene	13.176	105	66872	4.504	ug/l		99
86) p-Isopropyltoluene	13.291	119	55850	4.430	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362	ug/l		95
89) n-Butylbenzene	13.621	91	50918	4.518	ug/l		99
90) Hexachloroethane	13.883	117	14703	5.308	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430	ug/l		86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406	ug/l		94
94) Hexachlorobutadiene	15.023	225	10723	5.004	ug/l		98
95) Naphthalene	15.145	128	24368	4.212	ug/l		97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

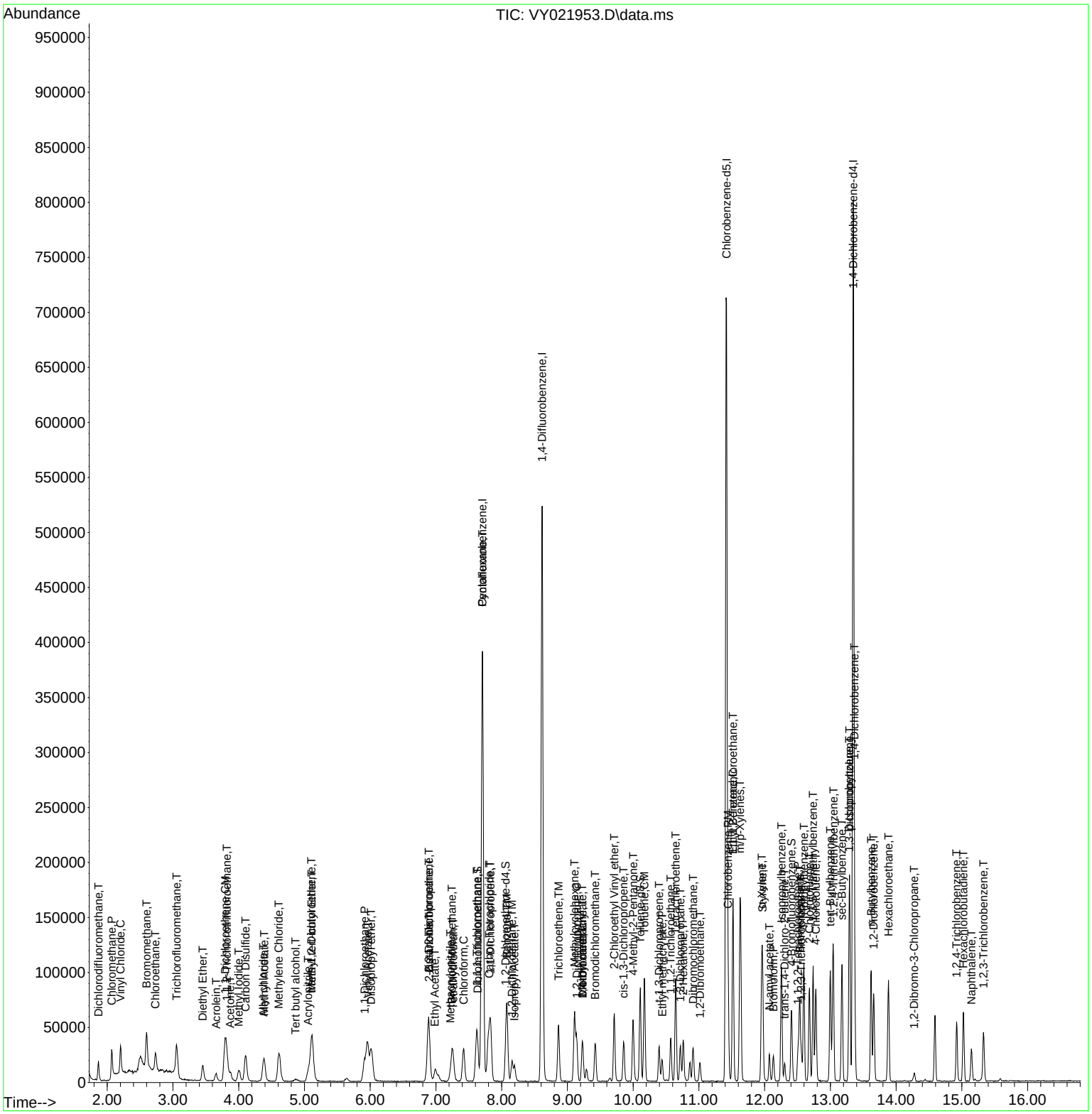
(#) = qualifier out of range (m) = manual integration (+) = signals summed

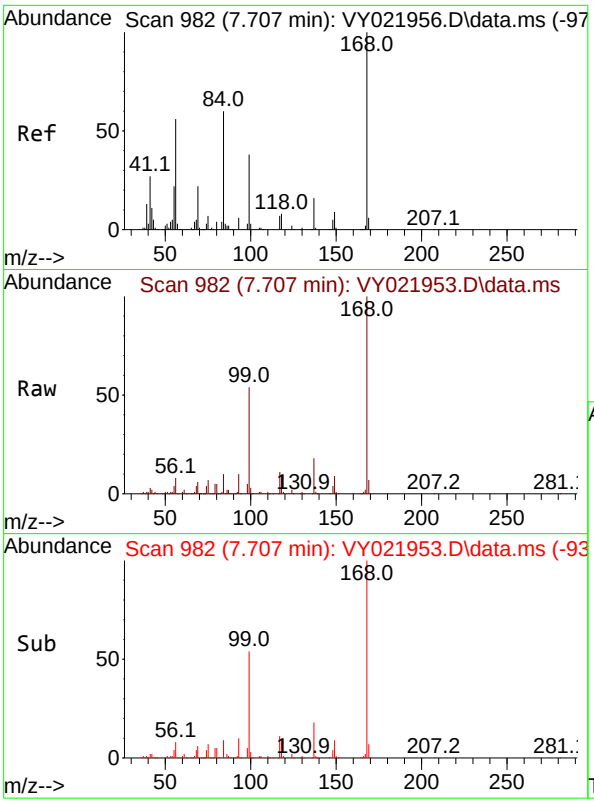
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



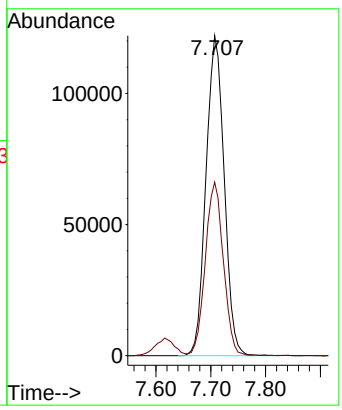


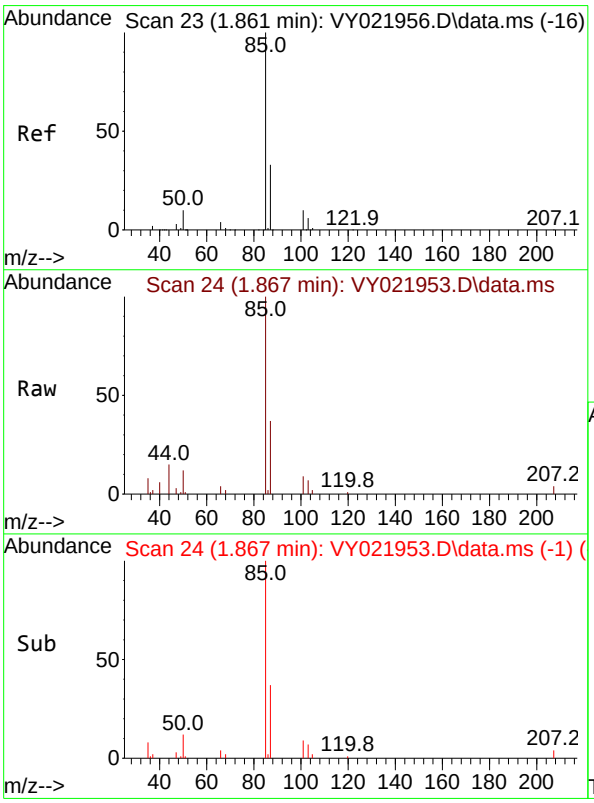
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 280613

Ion	Ratio	Lower	Upper
168	100		
99	54.2	43.1	64.7

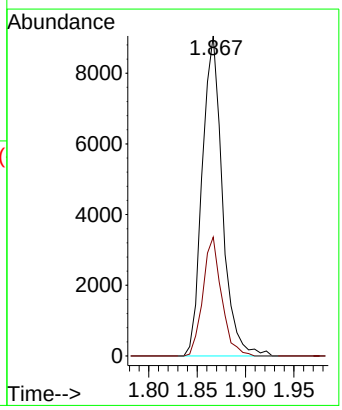


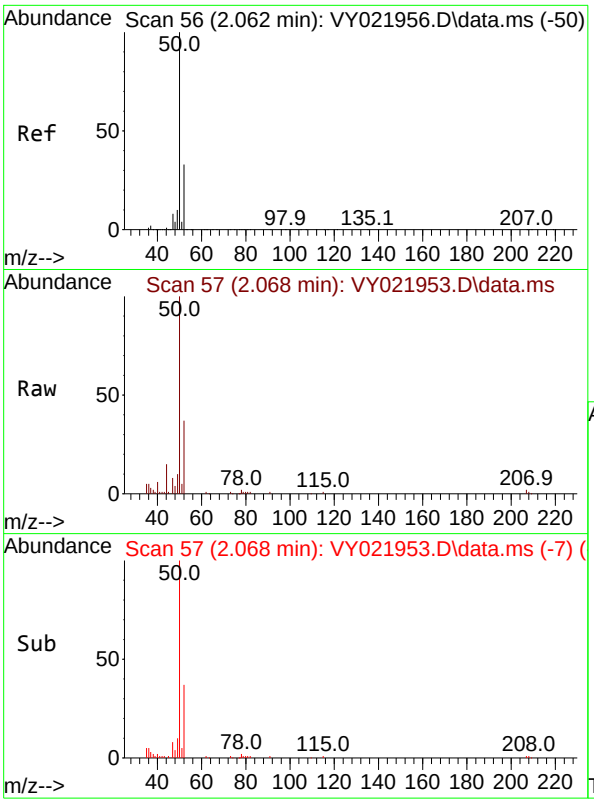


#2
Dichlorodifluoromethane
Concen: 5.503 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 85 Resp: 13157

Ion	Ratio	Lower	Upper
85	100		
87	37.1	16.6	49.7



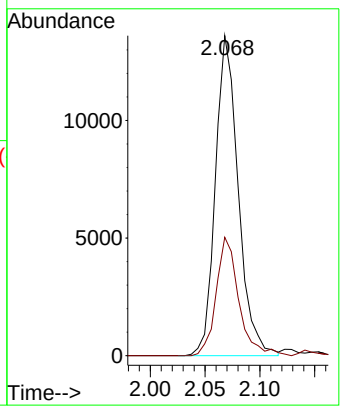


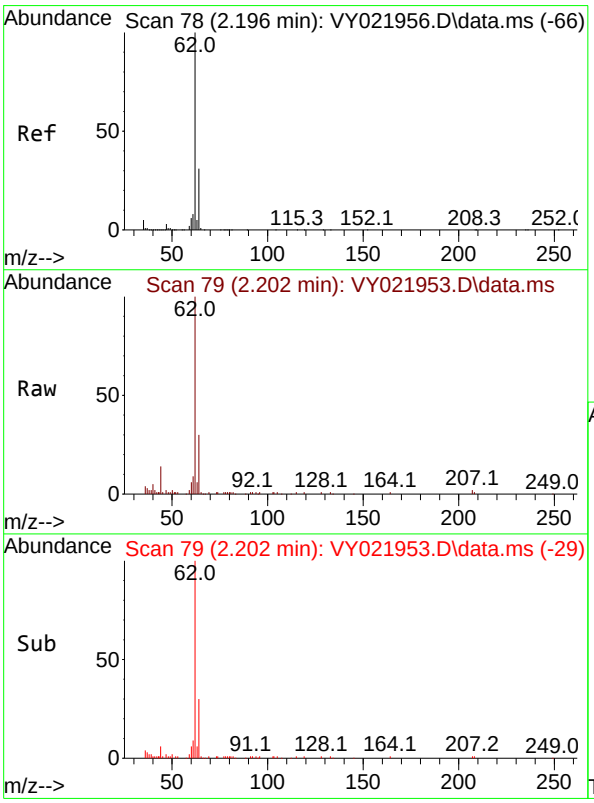
#3
Chloromethane
Concen: 5.803 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 19759

Ion	Ratio	Lower	Upper
50	100		
52	37.0	26.1	39.1

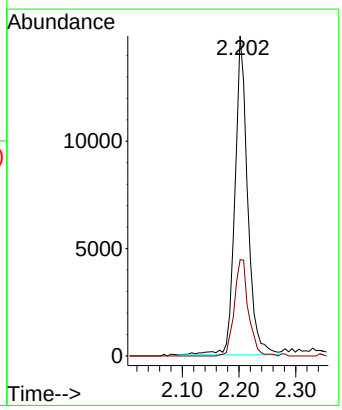


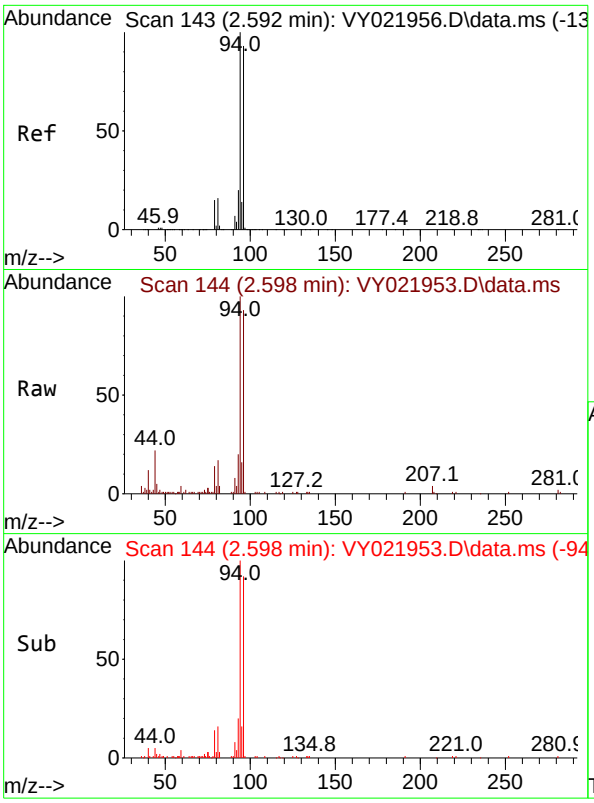


#4
Vinyl Chloride
Concen: 5.560 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 62 Resp: 23262

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.1	37.7



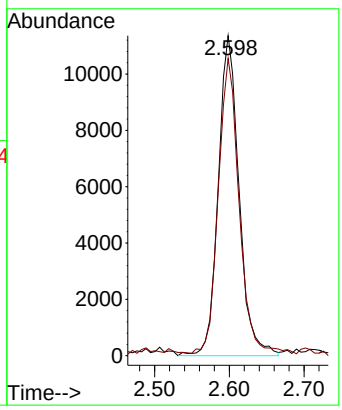


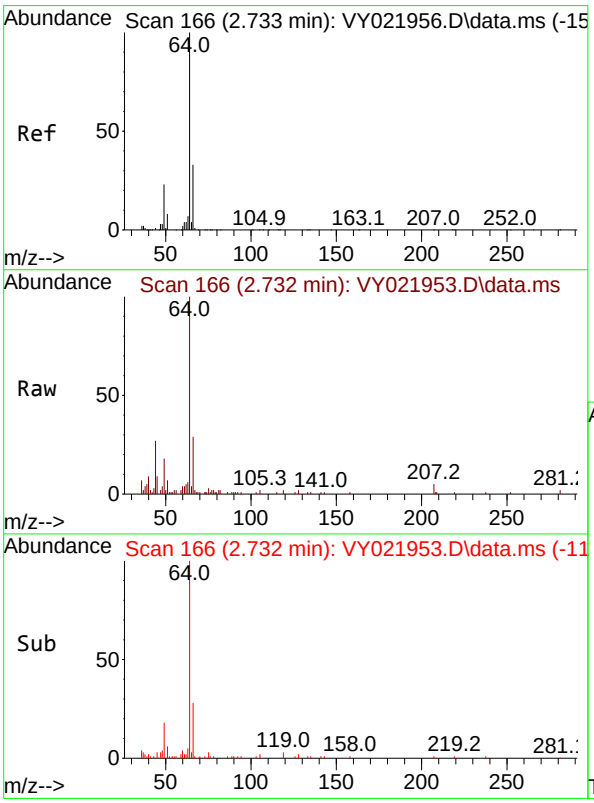
#5
Bromomethane
Concen: 6.091 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 21956

Ion	Ratio	Lower	Upper
94	100		
96	91.9	74.6	111.8

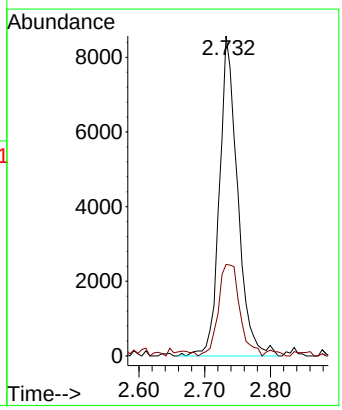


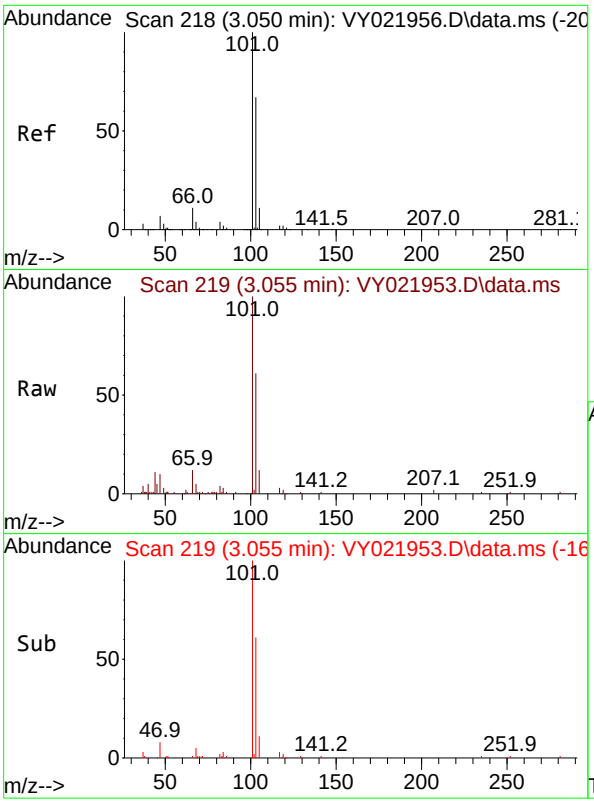


#6
Chloroethane
Concen: 5.800 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 64 Resp: 16527

Ion	Ratio	Lower	Upper
64	100		
66	27.3	26.2	39.4



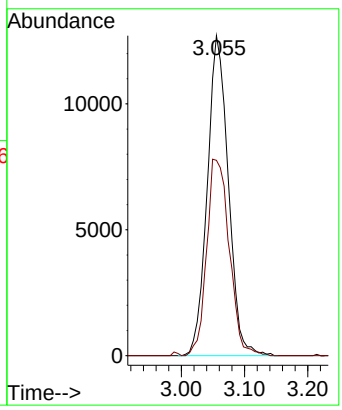


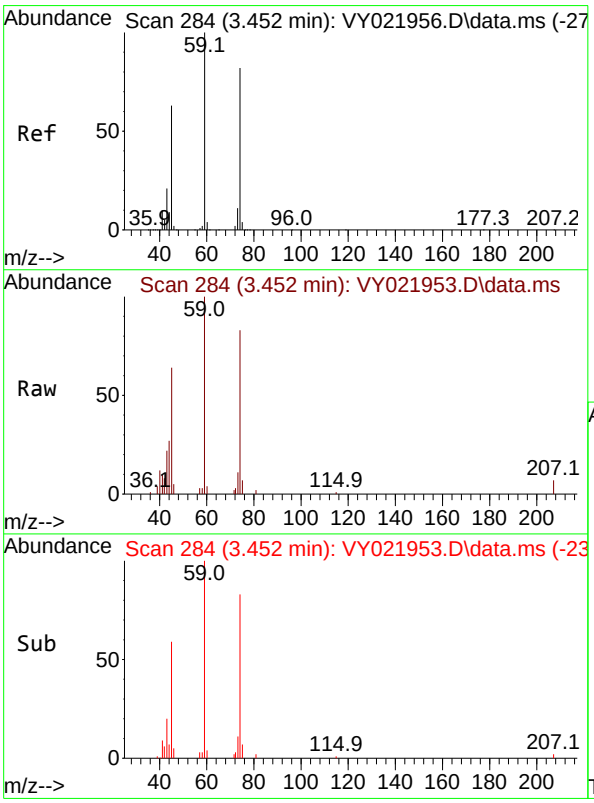
#7
Trichlorofluoromethane
Concen: 5.329 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 29399

Ion	Ratio	Lower	Upper
101	100		
103	61.1	53.6	80.4

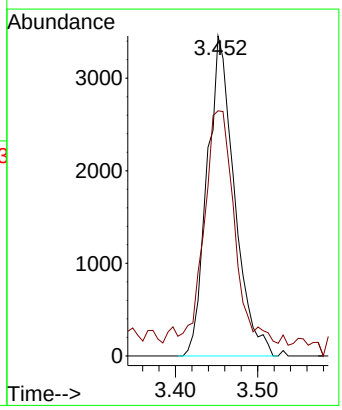


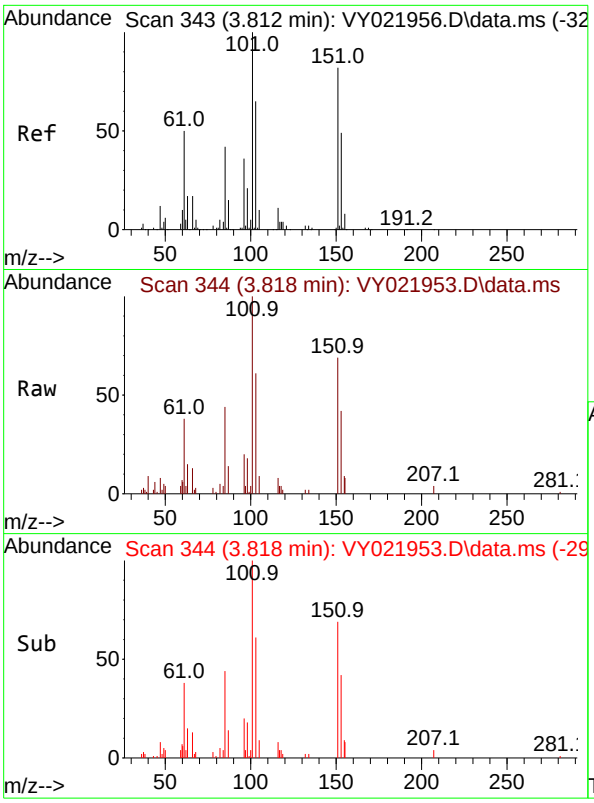


#8
Diethyl Ether
Concen: 5.536 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 74 Resp: 7949

Ion	Ratio	Lower	Upper
74	100		
45	83.9	39.1	117.5



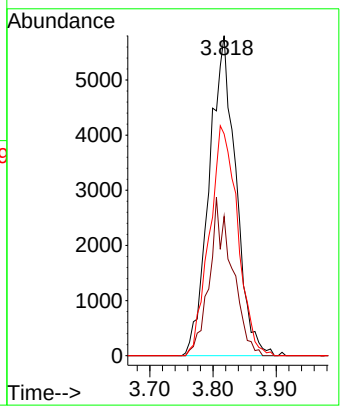


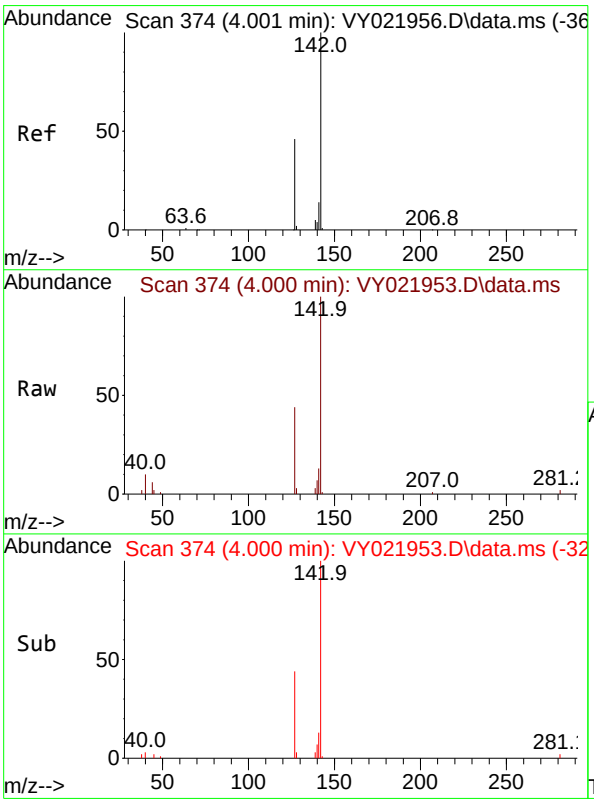
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.667 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 16959

Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.6	51.8
151	75.9	63.7	95.5

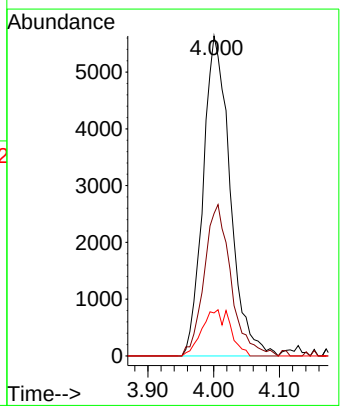


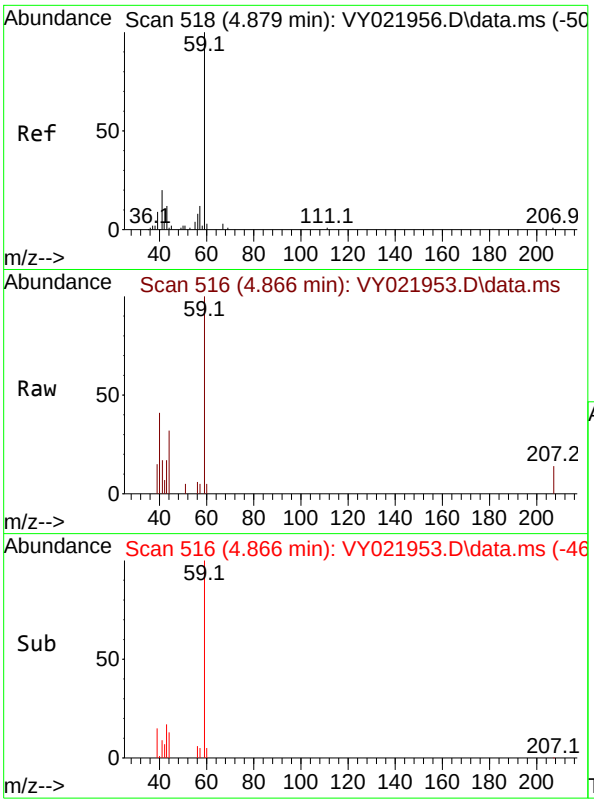


#10
Methyl Iodide
Concen: 4.638 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:142 Resp: 16072

Ion	Ratio	Lower	Upper
142	100		
127	47.1	36.2	54.2
141	15.3	11.7	17.5



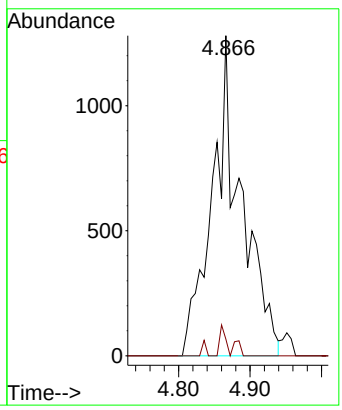


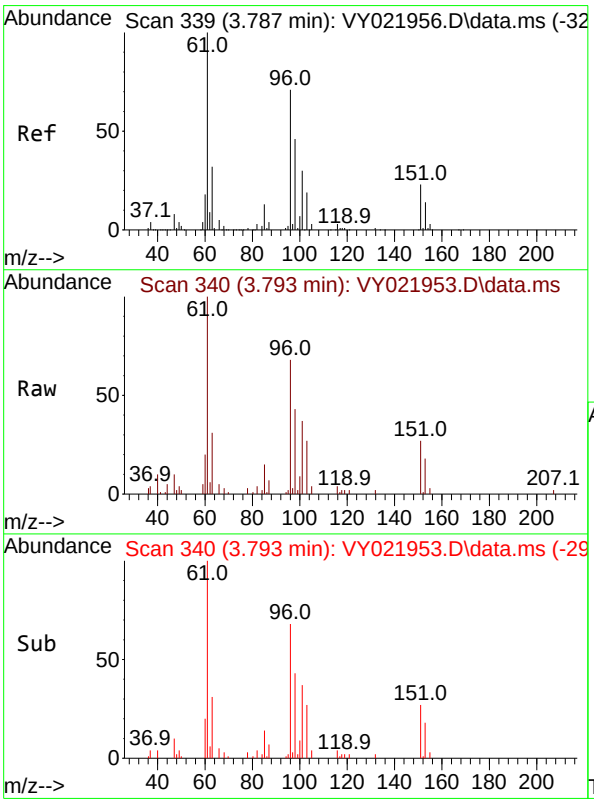
#11
Tert butyl alcohol
Concen: 25.615 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 3645

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

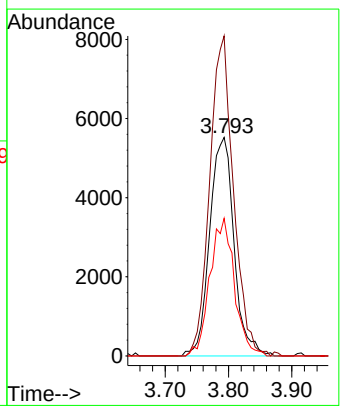


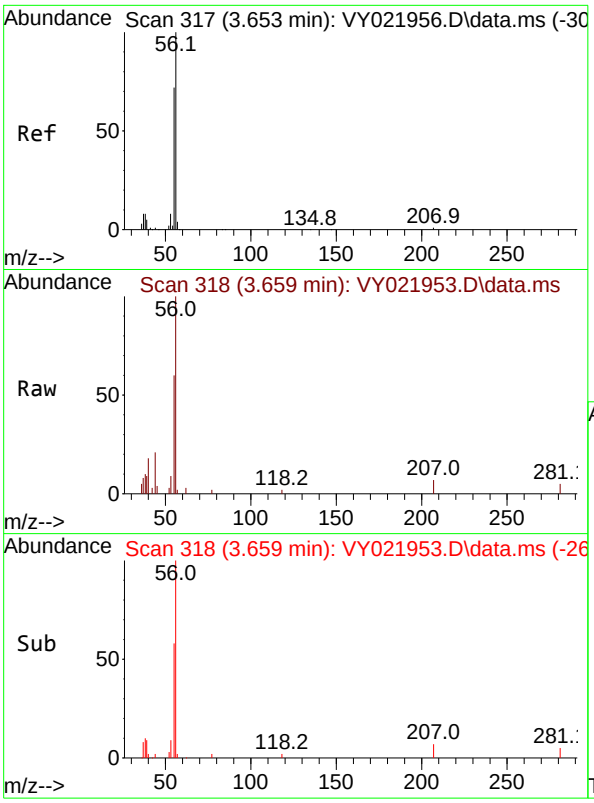


#12
1,1-Dichloroethene
Concen: 5.285 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 96 Resp: 14742

Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.0	169.4
98	63.0	51.4	77.2



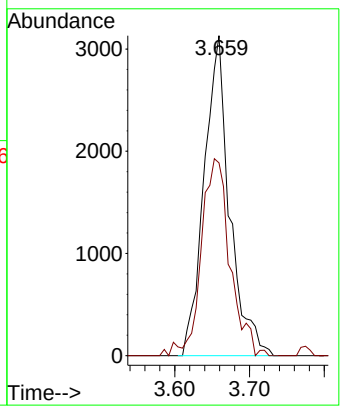


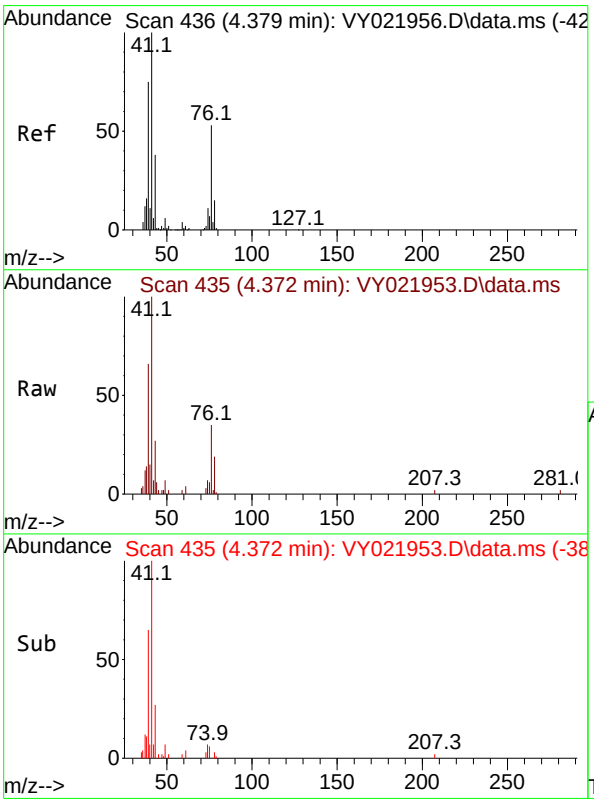
#13
Acrolein
Concen: 29.049 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7419

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.4	86.0

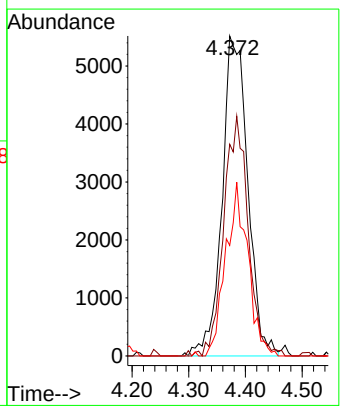


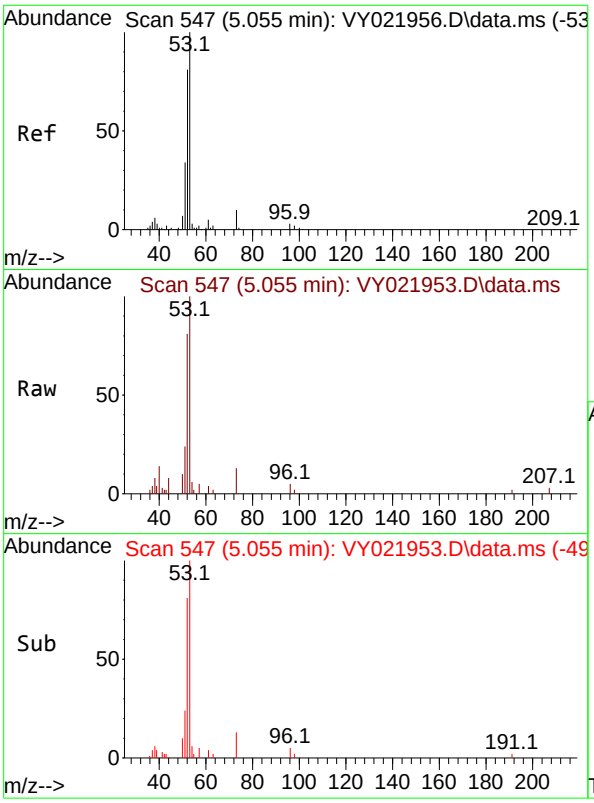


#14
Allyl chloride
Concen: 5.352 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 41 Resp: 17385

Ion	Ratio	Lower	Upper
41	100		
39	71.1	57.2	85.8
76	46.9	39.7	59.5



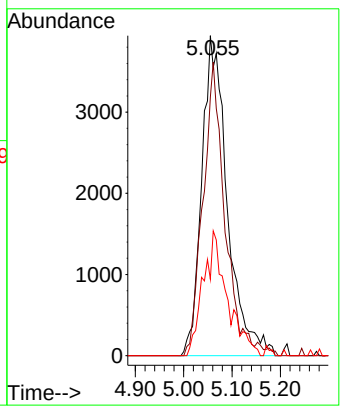


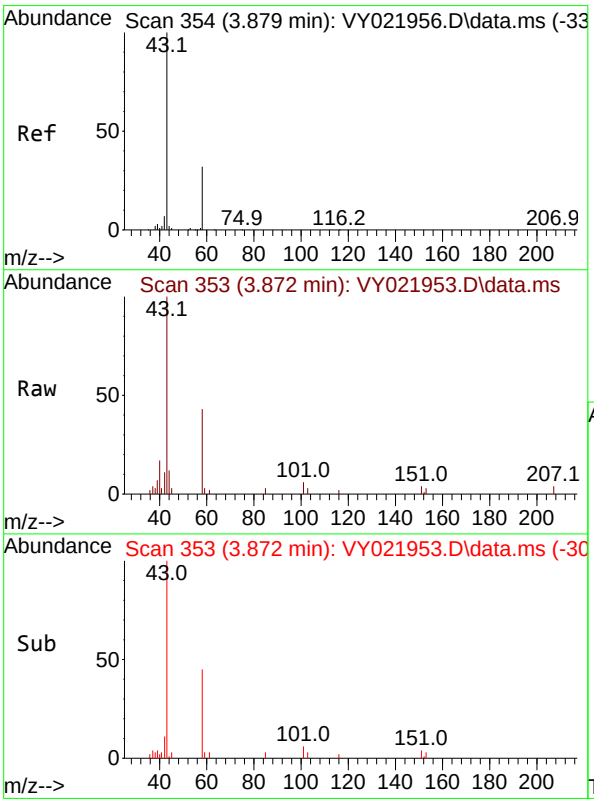
#15
Acrylonitrile
Concen: 27.514 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 14464

Ion	Ratio	Lower	Upper
53	100		
52	77.8	65.0	97.6
51	36.6	28.9	43.3

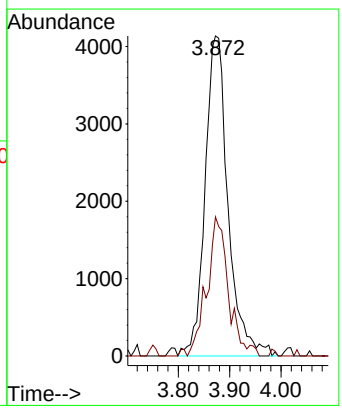


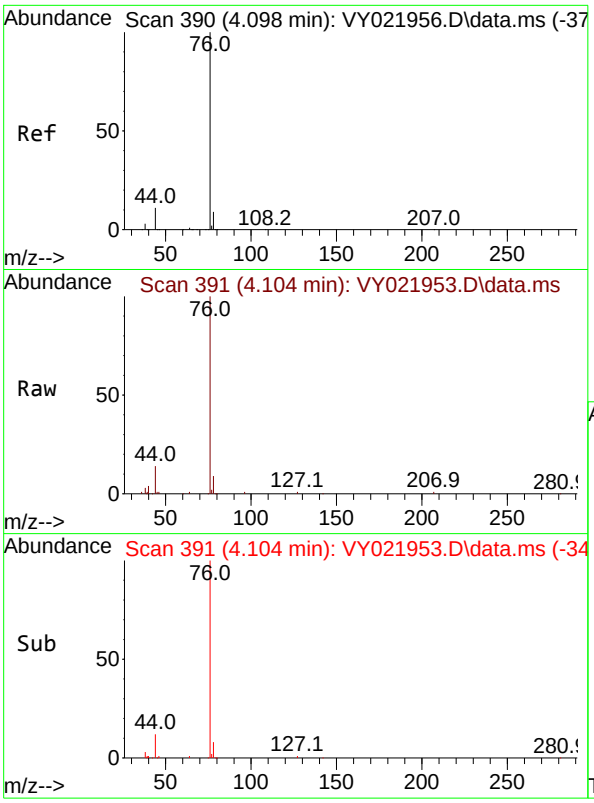


#16
Acetone
Concen: 18.039 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 12844

Ion	Ratio	Lower	Upper
43	100		
58	43.5	27.0	40.4#



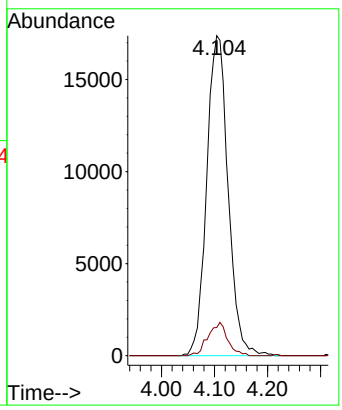


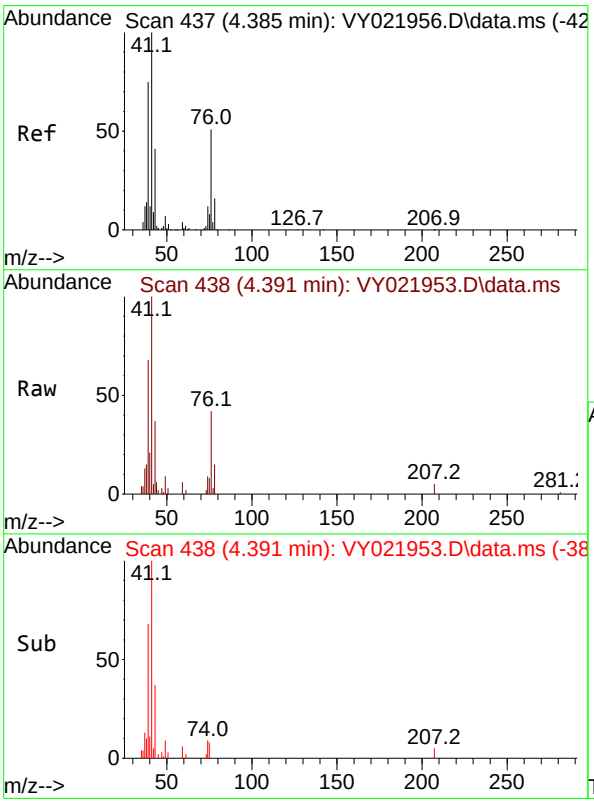
#17
Carbon Disulfide
Concen: 5.475 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 48701

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

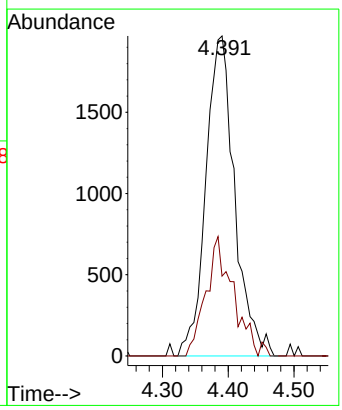


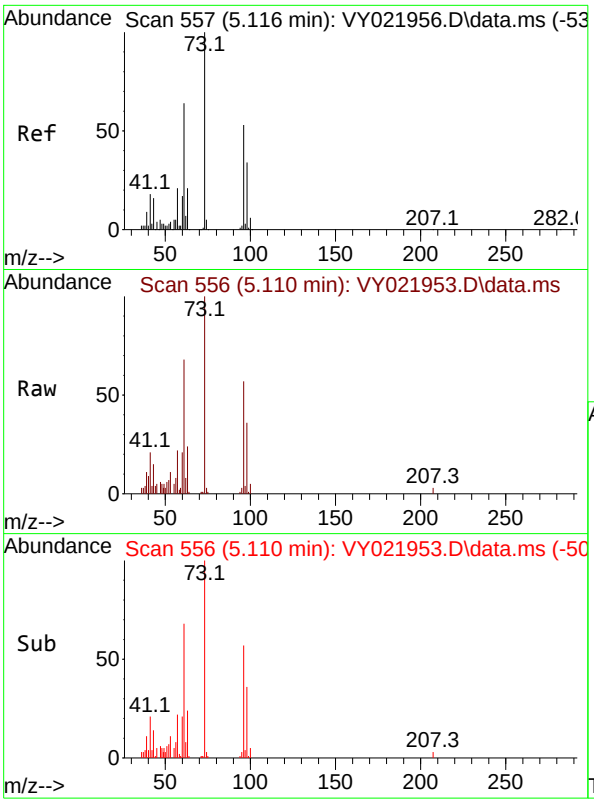


#18
Methyl Acetate
Concen: 4.951 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 5994

Ion	Ratio	Lower	Upper
43	100		
74	34.8	24.2	36.4



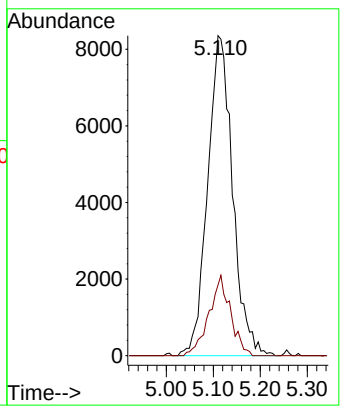


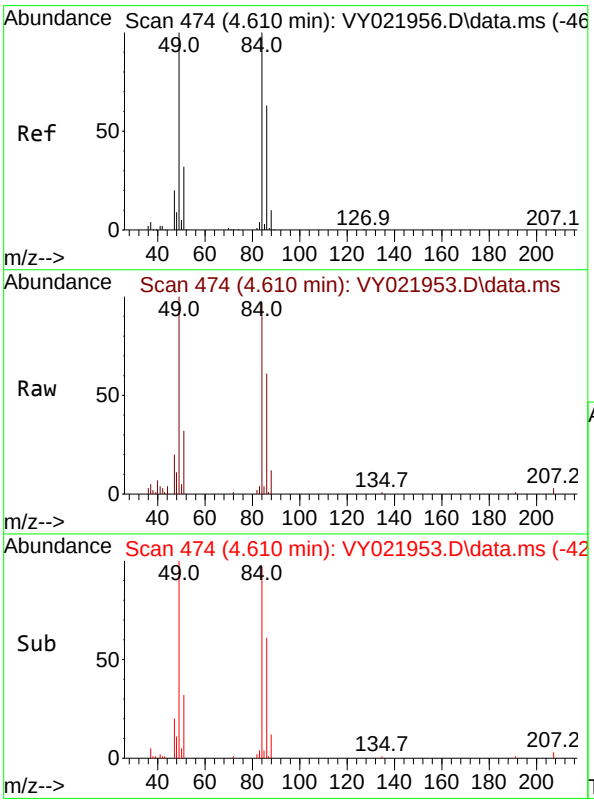
#19
Methyl tert-butyl Ether
Concen: 4.936 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 30819

Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.9	25.3

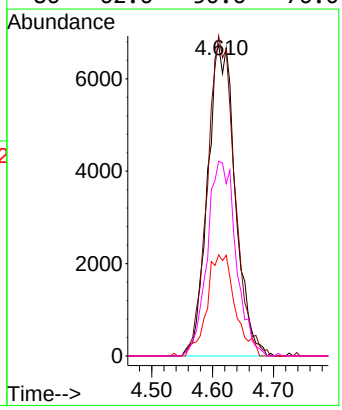


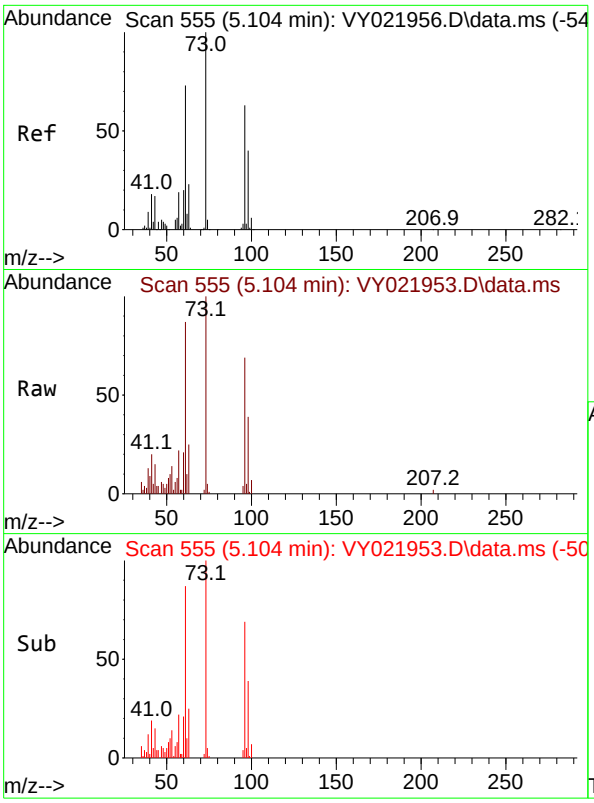


#20
Methylene Chloride
Concen: 6.502 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 84 Resp: 21309

Ion	Ratio	Lower	Upper
84	100		
49	102.8	79.9	119.9
51	32.5	25.4	38.0
86	62.6	50.6	76.0



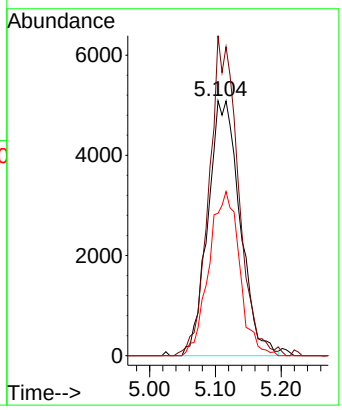


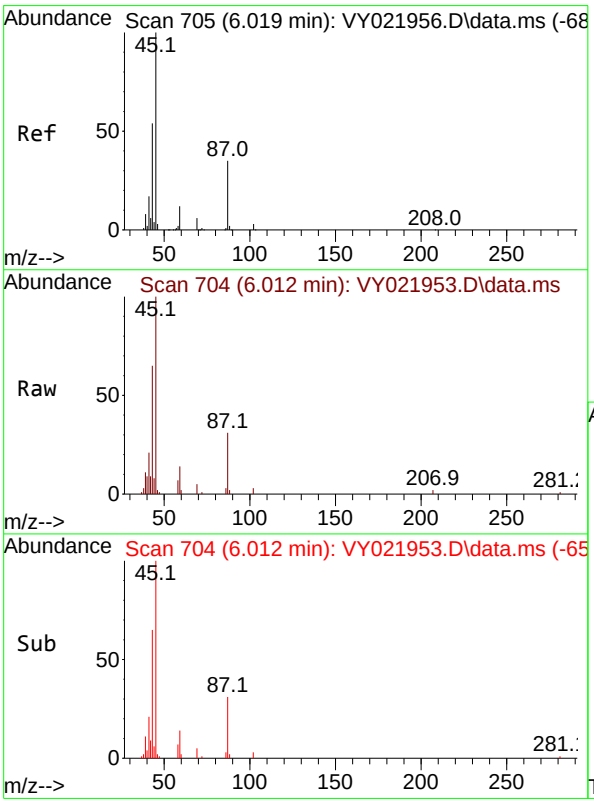
#21
trans-1,2-Dichloroethene
Concen: 5.556 ug/l
RT: 5.104 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 17357

Ion	Ratio	Lower	Upper
96	100		
61	124.5	92.6	138.8
98	55.8	50.2	75.4

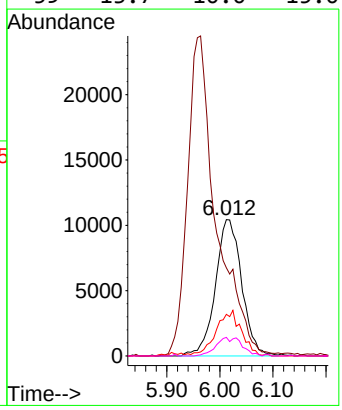


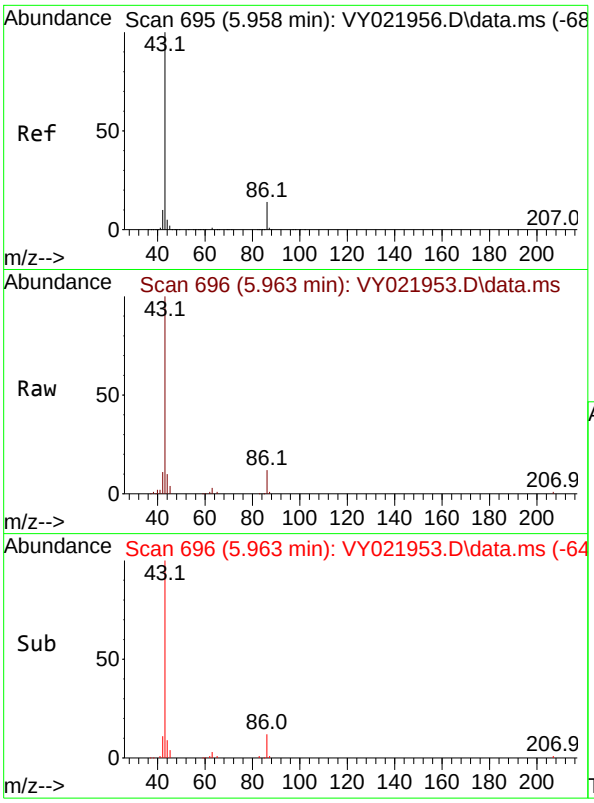


#22
Diisopropyl ether
Concen: 4.975 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 45 Resp: 35963

Ion	Ratio	Lower	Upper
45	100		
43	62.5	43.6	65.4
87	30.5	28.2	42.4
59	13.7	10.0	15.0



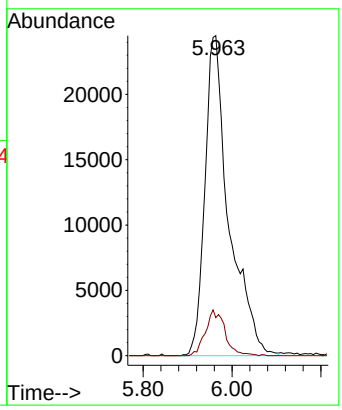


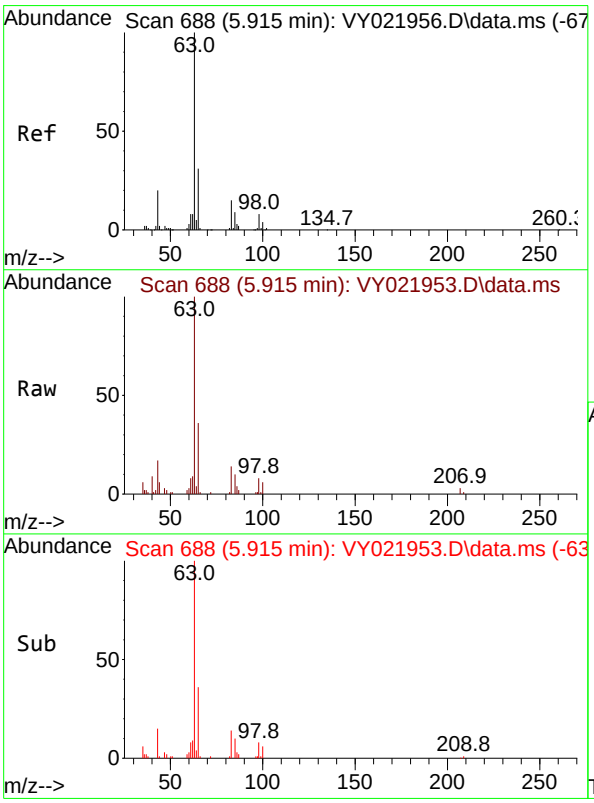
#23
Vinyl Acetate
Concen: 23.655 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 92152

Ion	Ratio	Lower	Upper
43	100		
86	11.9	11.1	16.7

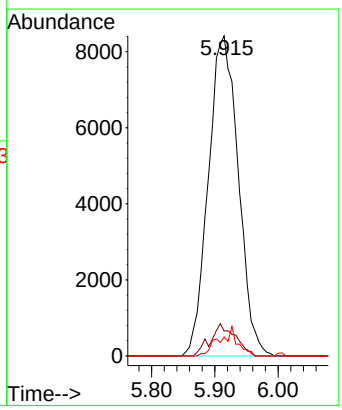


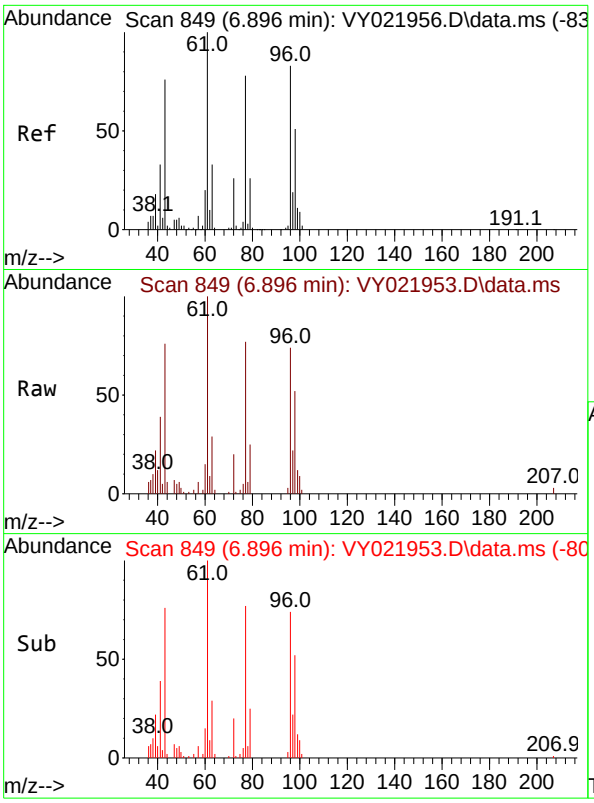


#24
1,1-Dichloroethane
Concen: 5.529 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 63 Resp: 27705

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	5.9	2.0	6.0



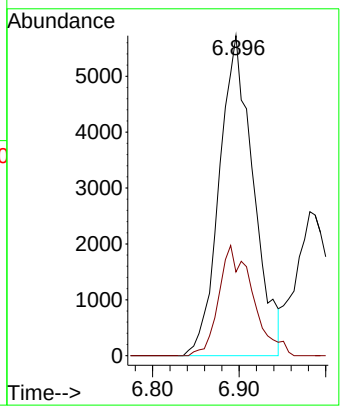


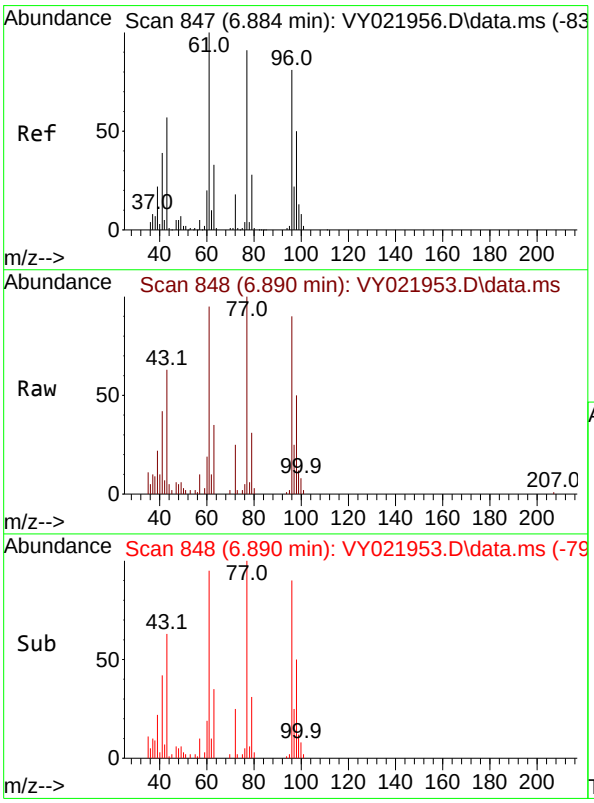
#25
2-Butanone
Concen: 26.449 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 15627

Ion	Ratio	Lower	Upper
43	100		
72	26.2	27.0	40.4#

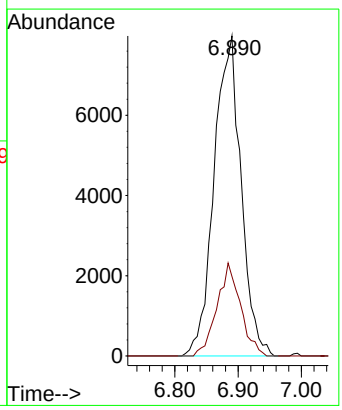


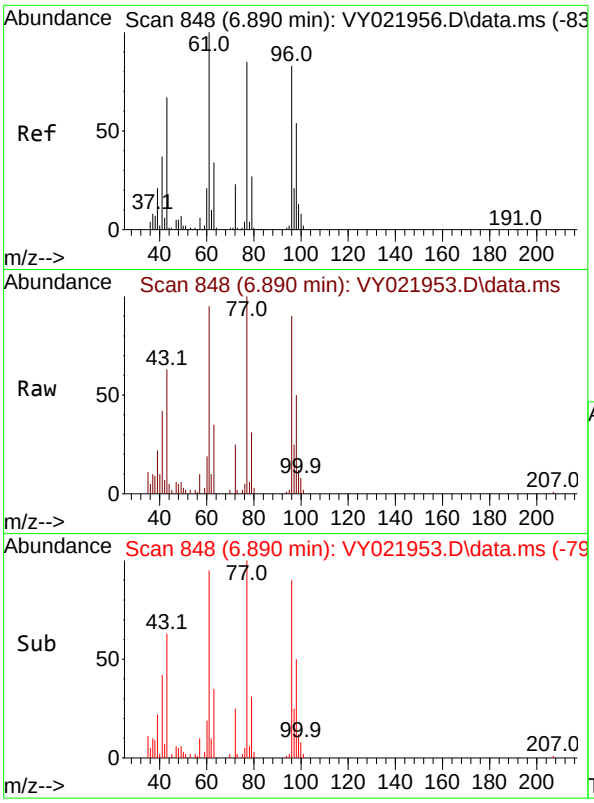


#26
2,2-Dichloropropane
Concen: 5.373 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 77 Resp: 23594

Ion	Ratio	Lower	Upper
77	100		
97	25.3	12.4	37.4



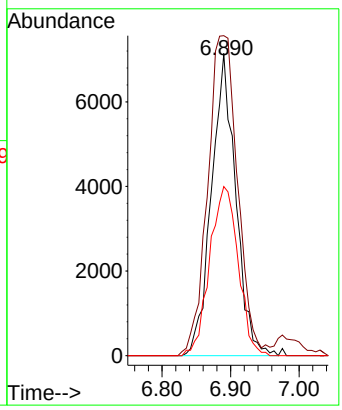


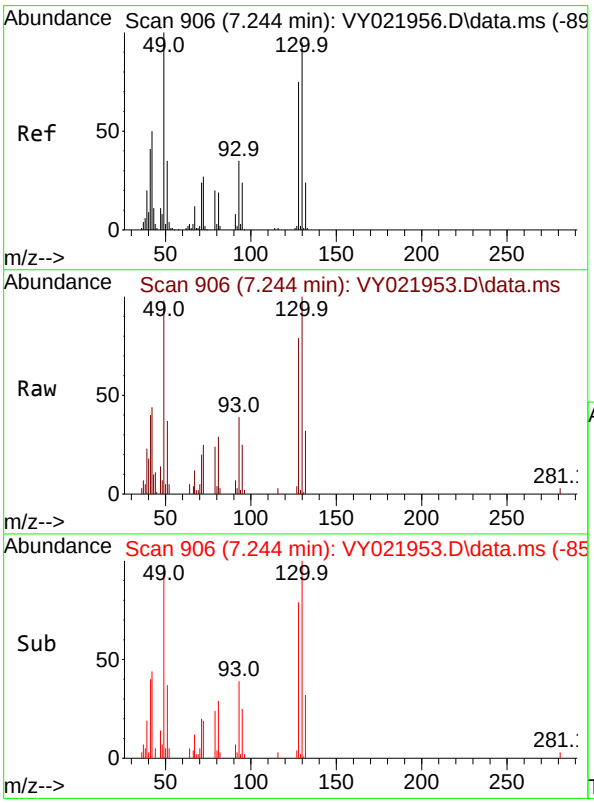
#27
cis-1,2-Dichloroethene
Concen: 5.029 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 17569

Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	251.4
98	65.6	0.0	128.4

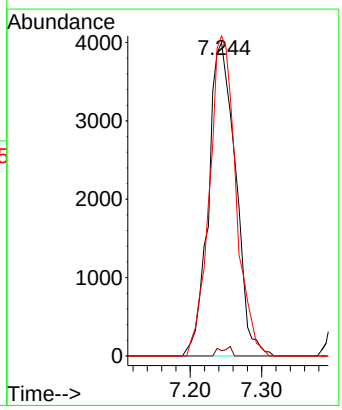


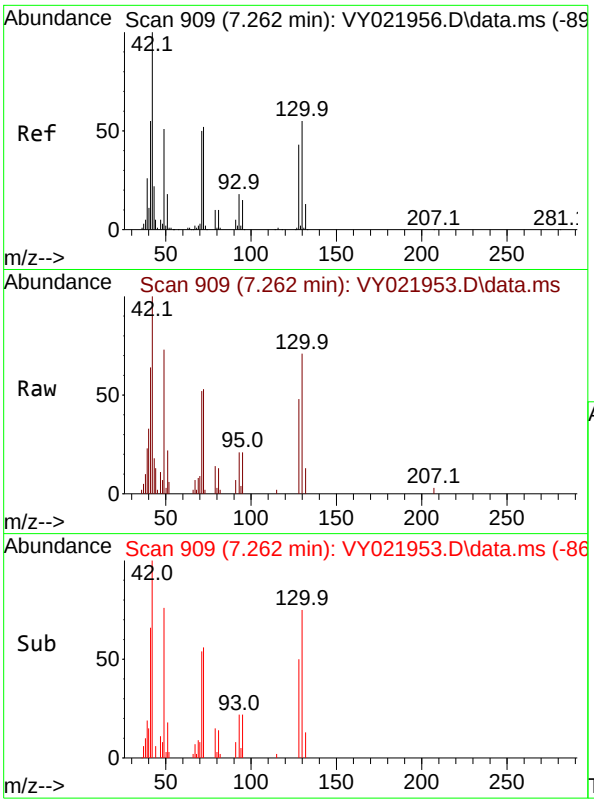


#28
Bromochloromethane
Concen: 5.416 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 49 Resp: 10541

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.0
130	99.5	78.2	117.4



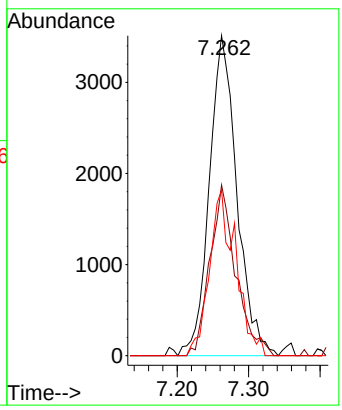


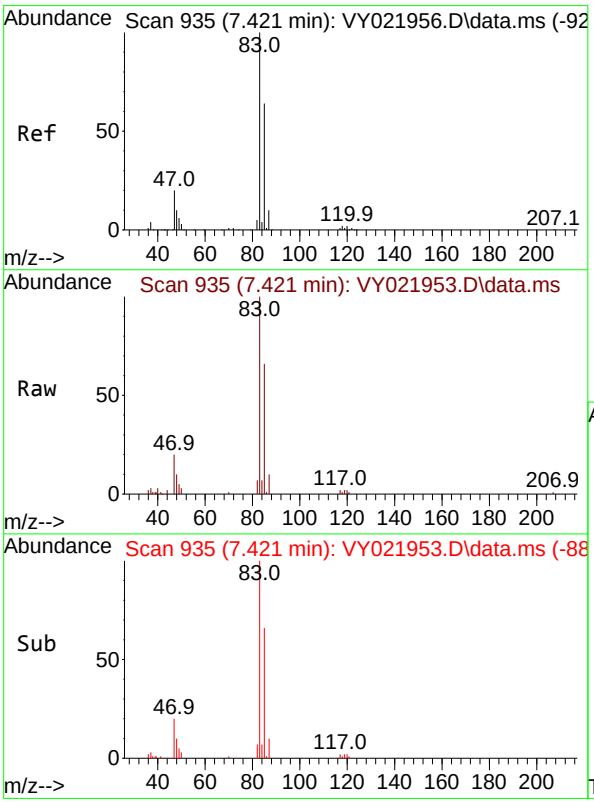
#29
Tetrahydrofuran
Concen: 24.559 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 9424

Ion	Ratio	Lower	Upper
42	100		
72	50.4	42.6	63.8
71	49.4	40.6	61.0

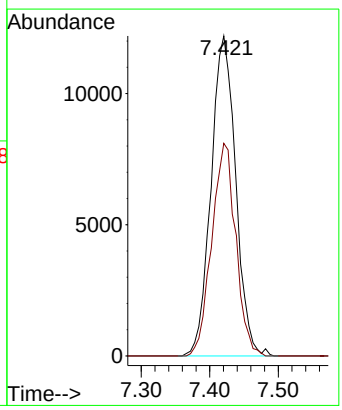


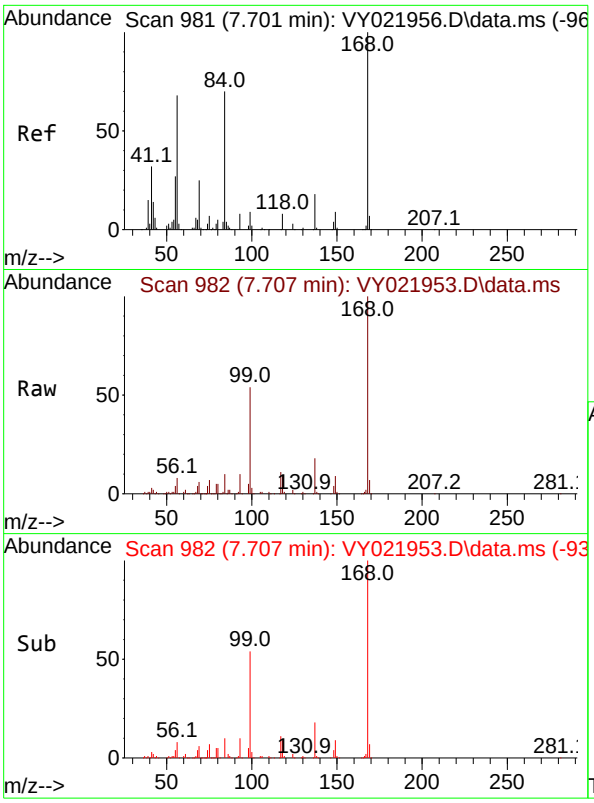


#30
Chloroform
Concen: 5.473 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 83 Resp: 30418

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9



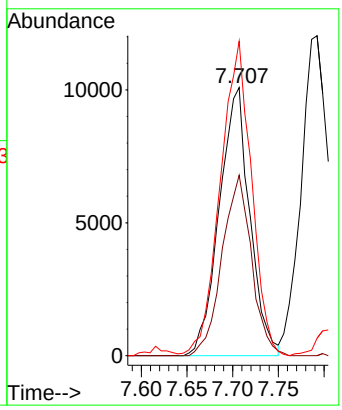


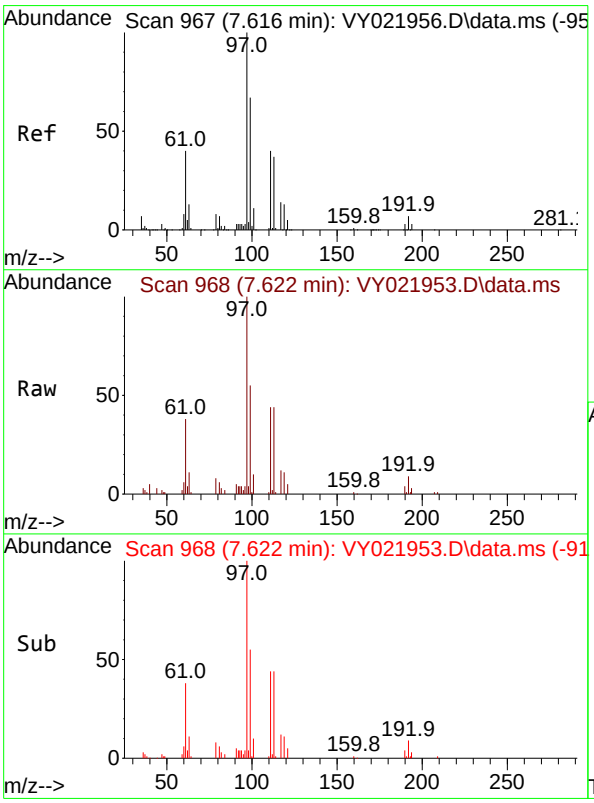
#31
Cyclohexane
Concen: 5.472 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 23446

Ion	Ratio	Lower	Upper
56	100		
69	67.3	29.4	44.2#
84	116.5	82.2	123.4

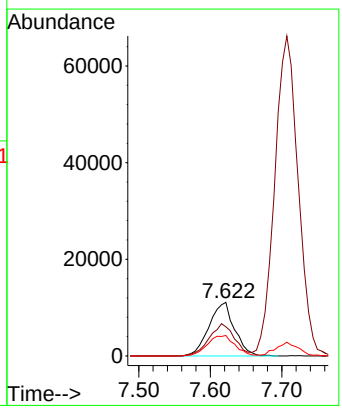


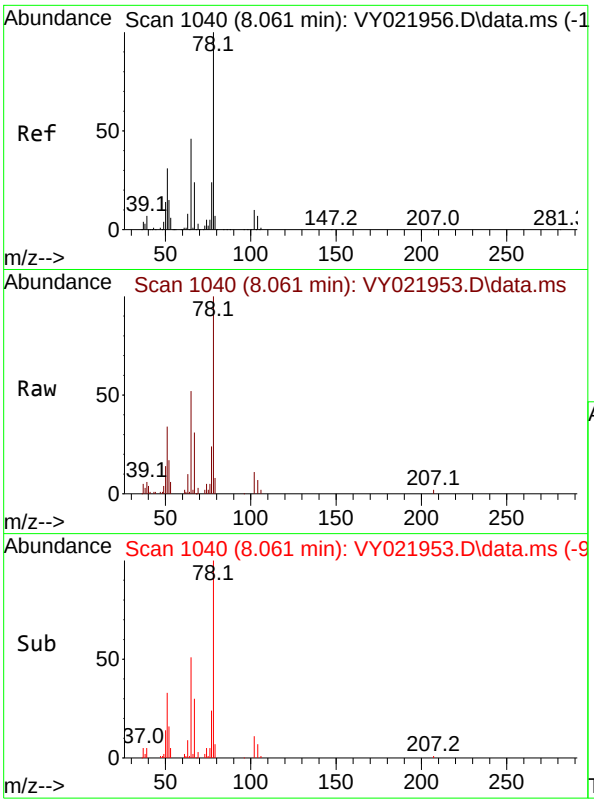


#32
1,1,1-Trichloroethane
Concen: 5.424 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 97 Resp: 27271

Ion	Ratio	Lower	Upper
97	100		
99	61.0	51.4	77.2
61	41.6	31.4	47.2



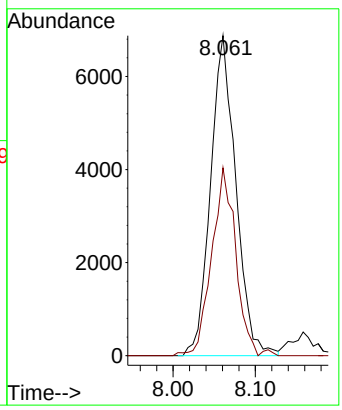


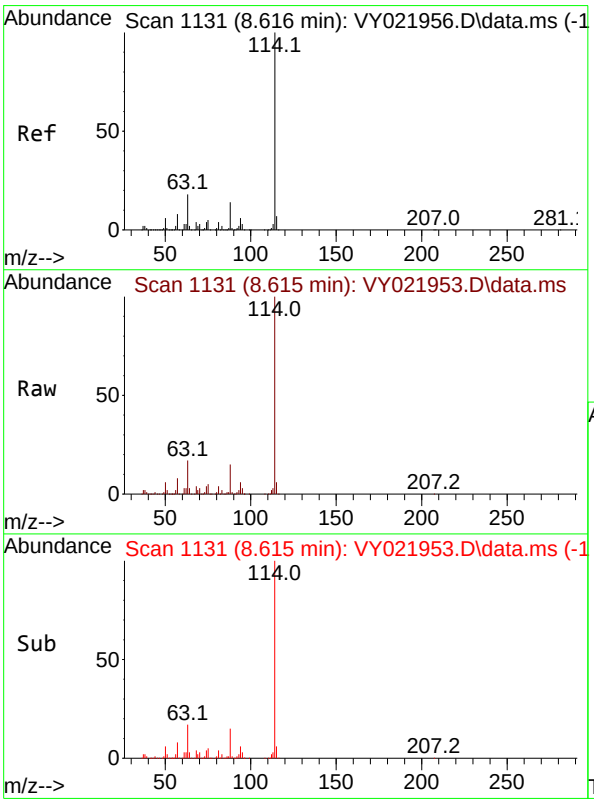
#33
1,2-Dichloroethane-d4
Concen: 5.679 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 14719

Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	105.8

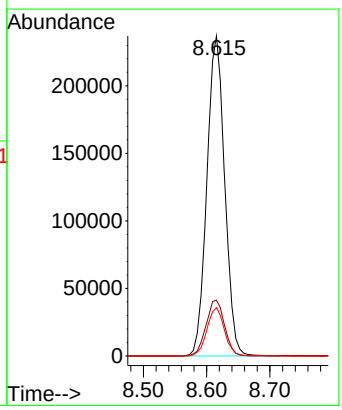


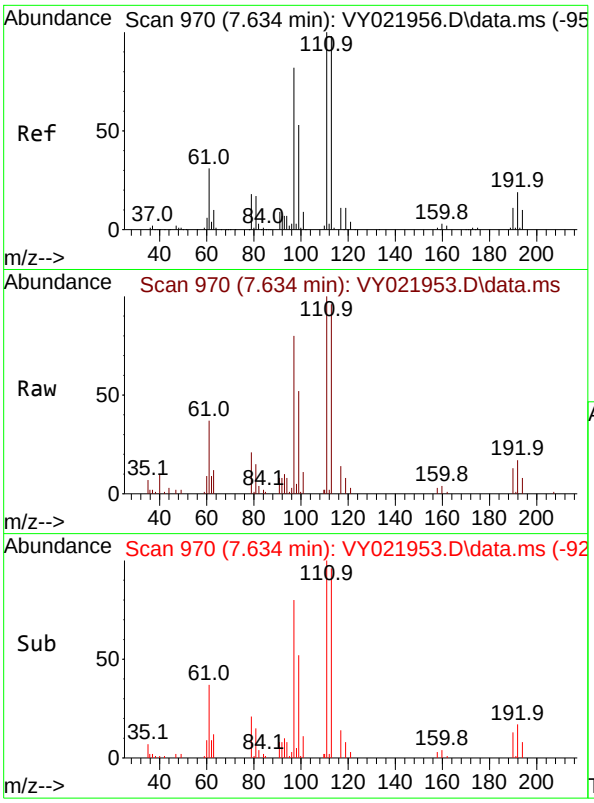


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:114 Resp: 462995

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	35.4
88	15.1	0.0	28.2



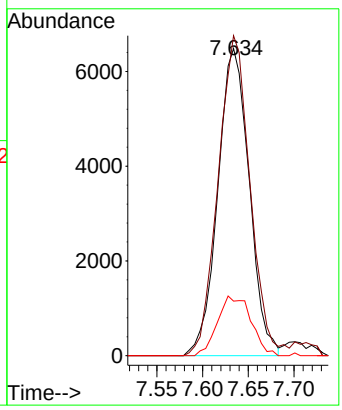


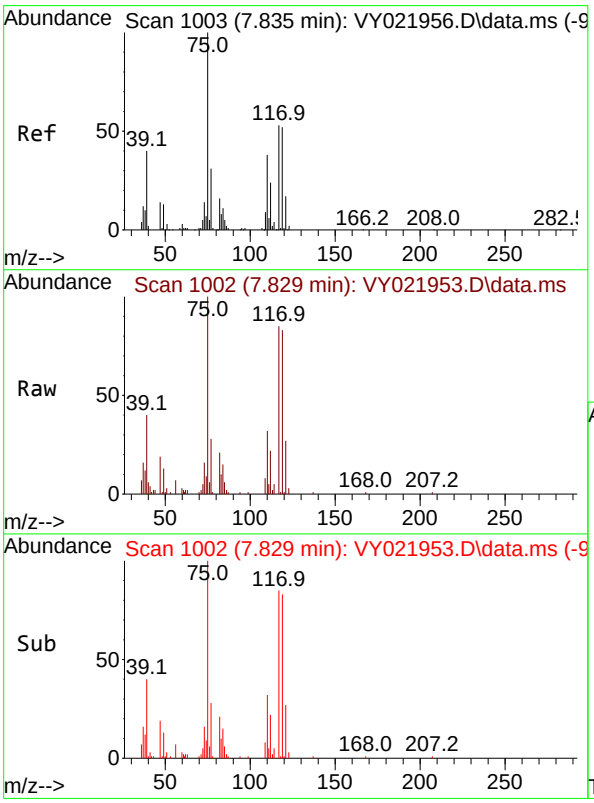
#35
Dibromofluoromethane
Concen: 5.073 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 15517

Ion	Ratio	Lower	Upper
113	100		
111	105.8	81.8	122.8
192	20.6	15.6	23.4

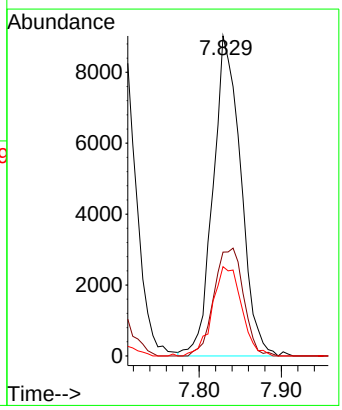


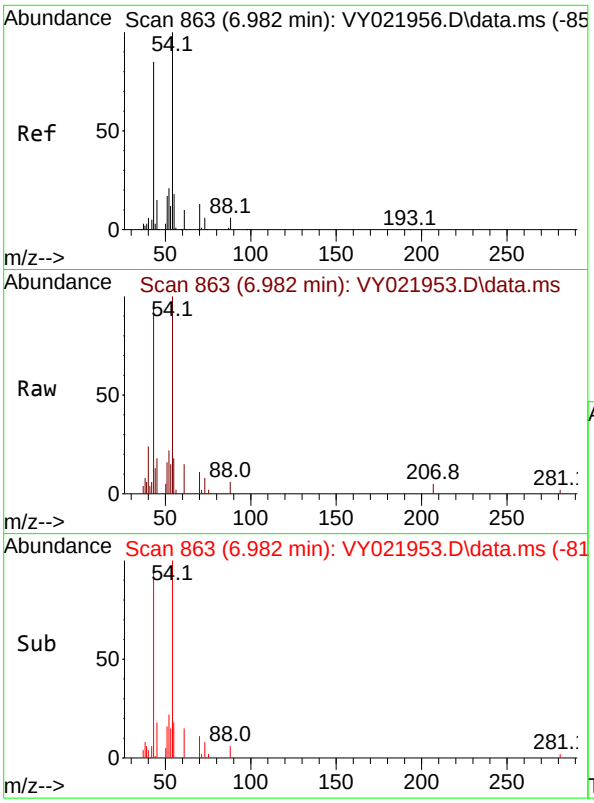


#36
1,1-Dichloropropene
Concen: 5.130 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 21076

Ion	Ratio	Lower	Upper
75	100		
110	36.0	19.1	57.3
77	29.4	25.5	38.3



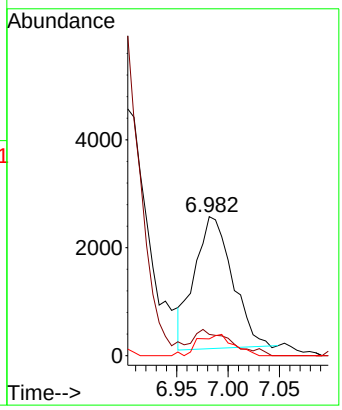


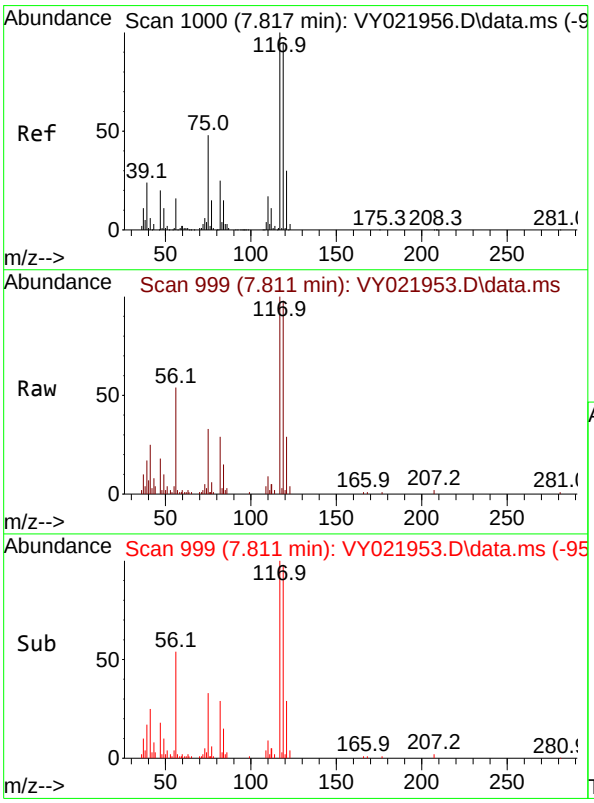
#37
Ethyl Acetate
Concen: 4.303 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 6265

Ion	Ratio	Lower	Upper
43	100		
61	19.4	13.8	20.6
70	15.1	9.2	13.8#

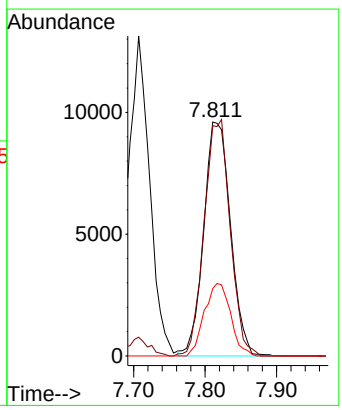


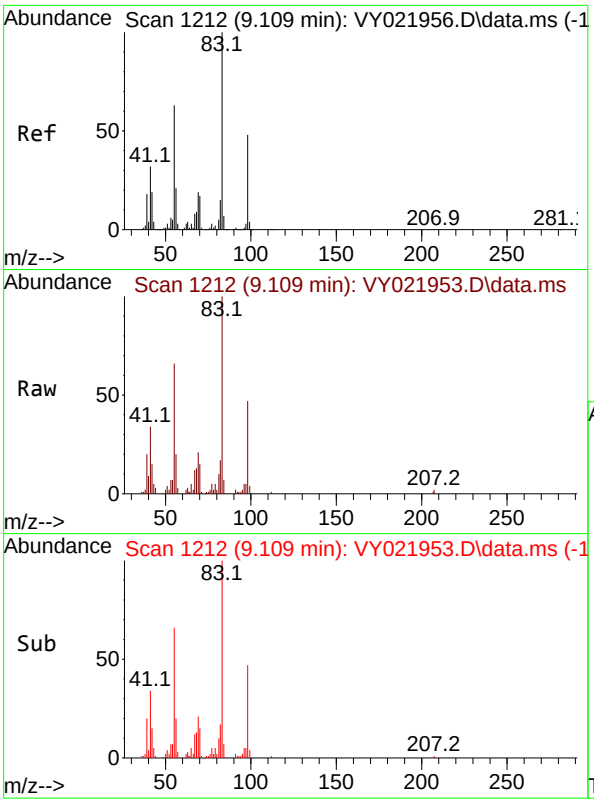


#38
Carbon Tetrachloride
Concen: 5.095 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:117 Resp: 25016

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.4
121	28.9	24.0	36.0



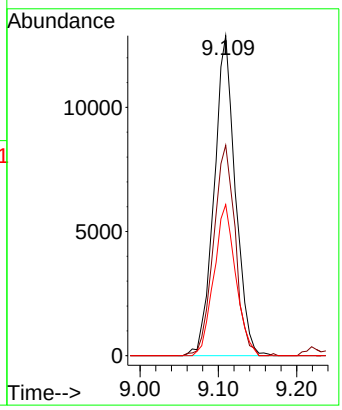


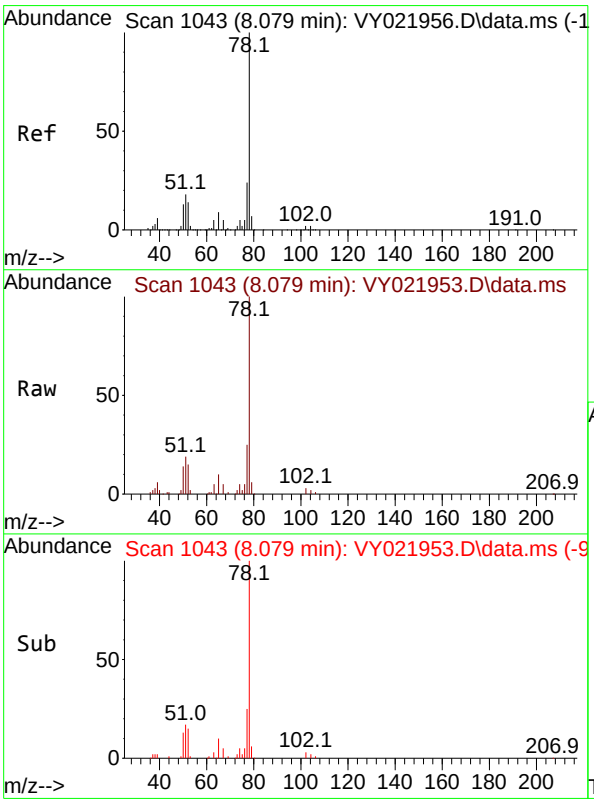
#39
Methylcyclohexane
Concen: 4.700 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 24303

Ion	Ratio	Lower	Upper
83	100		
55	65.8	50.6	75.8
98	47.2	38.6	58.0

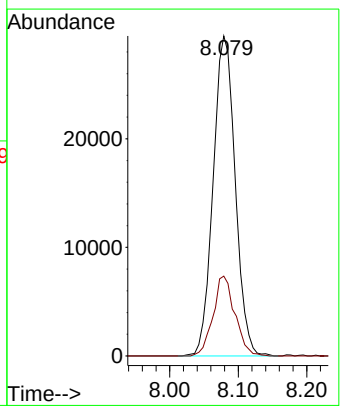


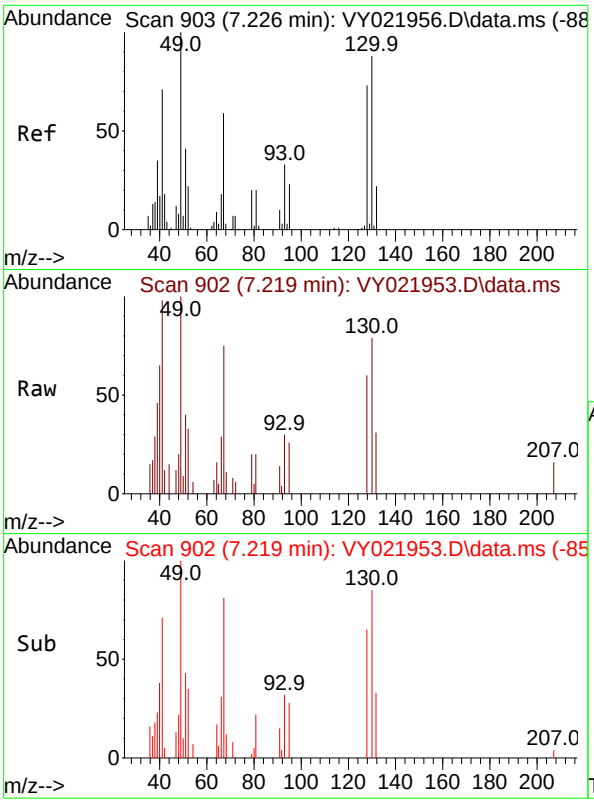


#40
Benzene
Concen: 5.129 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 78 Resp: 65878

Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.3	28.9



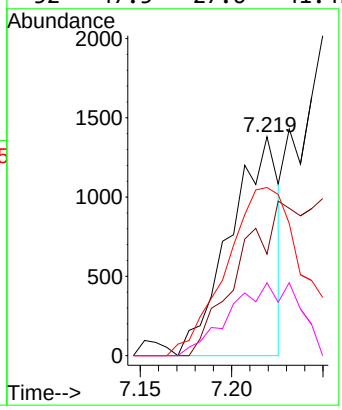


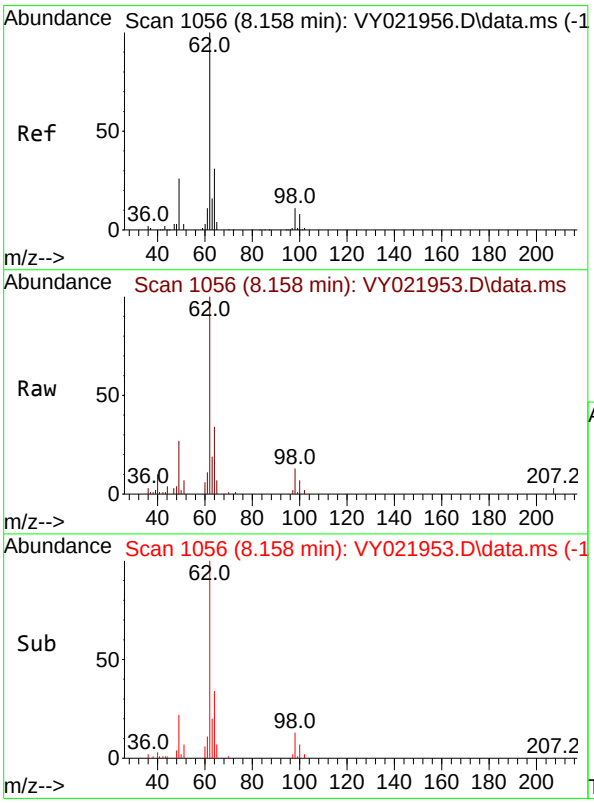
#41
Methacrylonitrile
Concen: 3.148 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 2540

Ion	Ratio	Lower	Upper
41	100		
39	88.2	36.6	55.0#
67	124.0	72.2	108.4#
52	47.5	27.6	41.4#

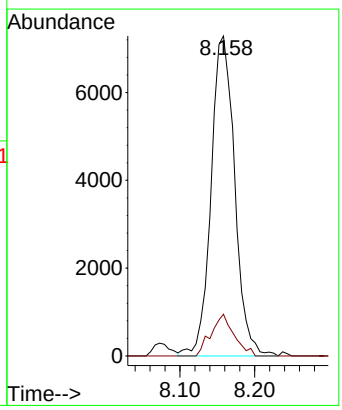


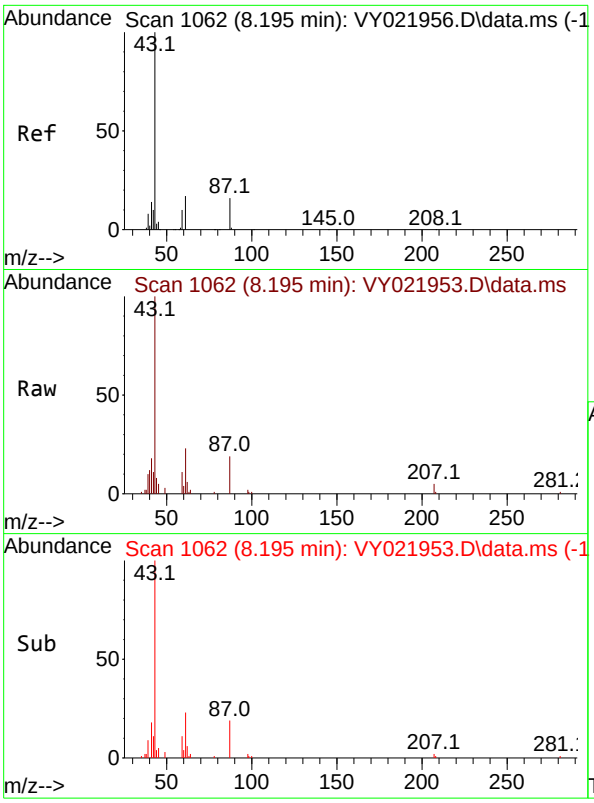


#42
1,2-Dichloroethane
Concen: 5.046 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 62 Resp: 16046

Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	22.0



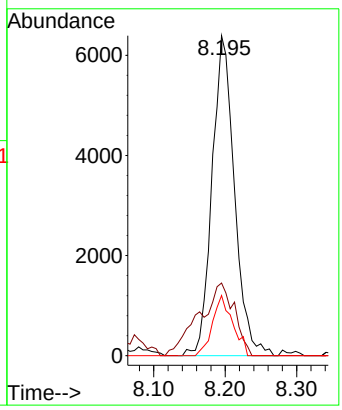


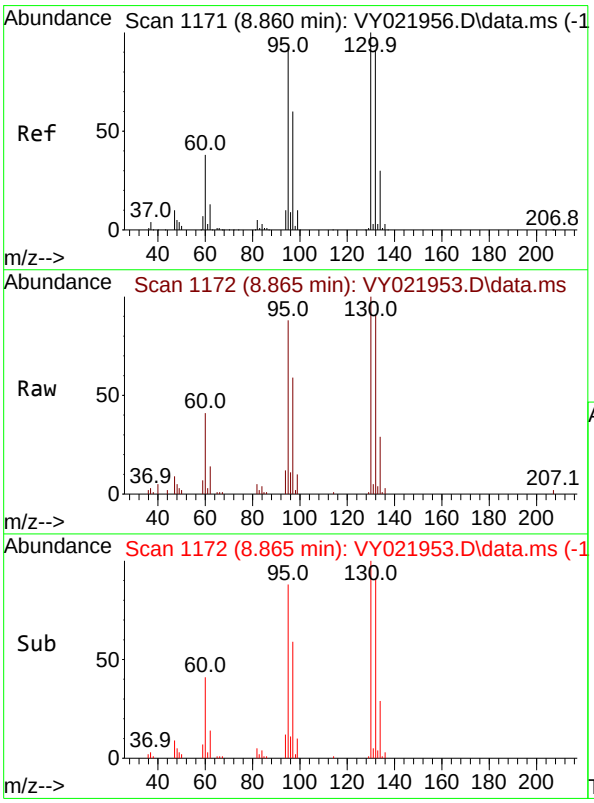
#43
Isopropyl Acetate
Concen: 4.919 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13940

Ion	Ratio	Lower	Upper
43	100		
61	35.6	18.9	28.3#
87	16.8	13.7	20.5

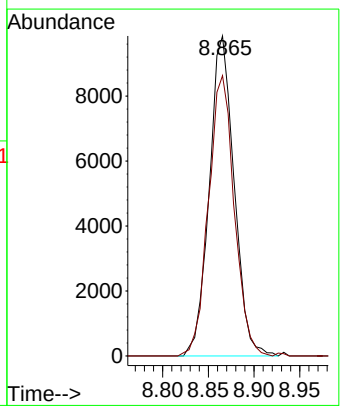


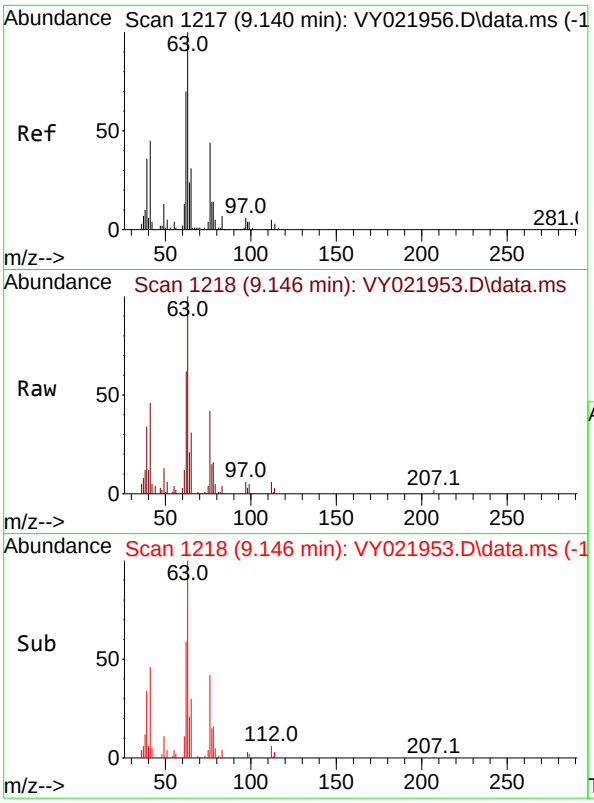


#44
Trichloroethene
Concen: 5.231 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:130 Resp: 18611

Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	183.2



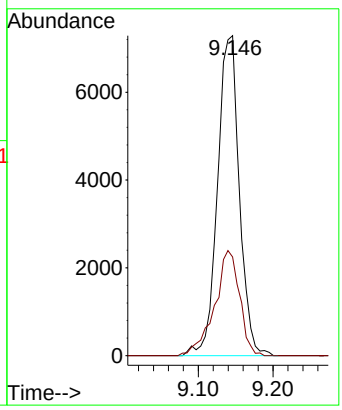


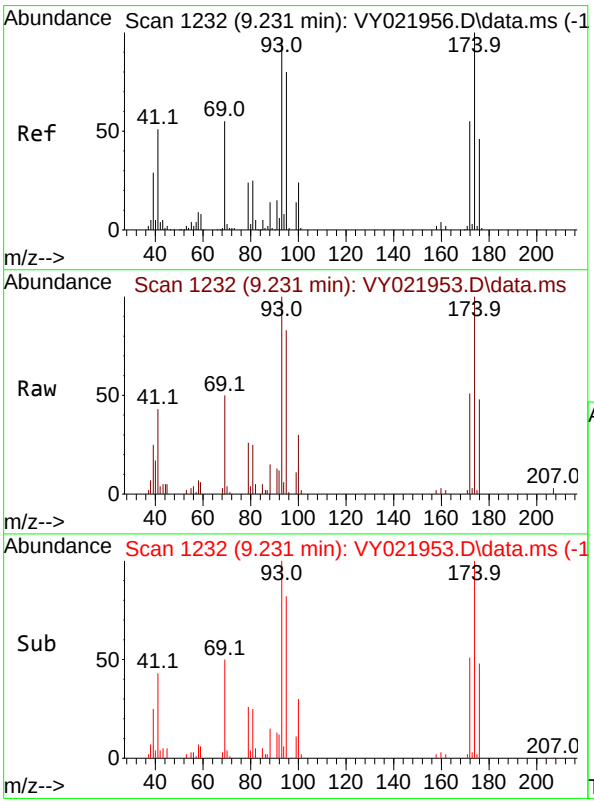
#45
1,2-Dichloropropane
Concen: 5.220 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 14827

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8

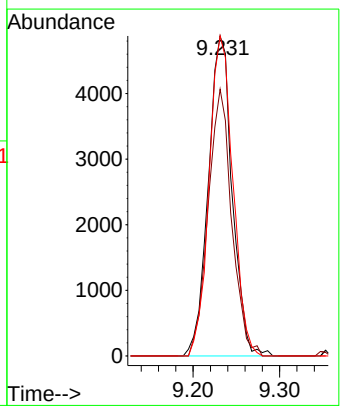


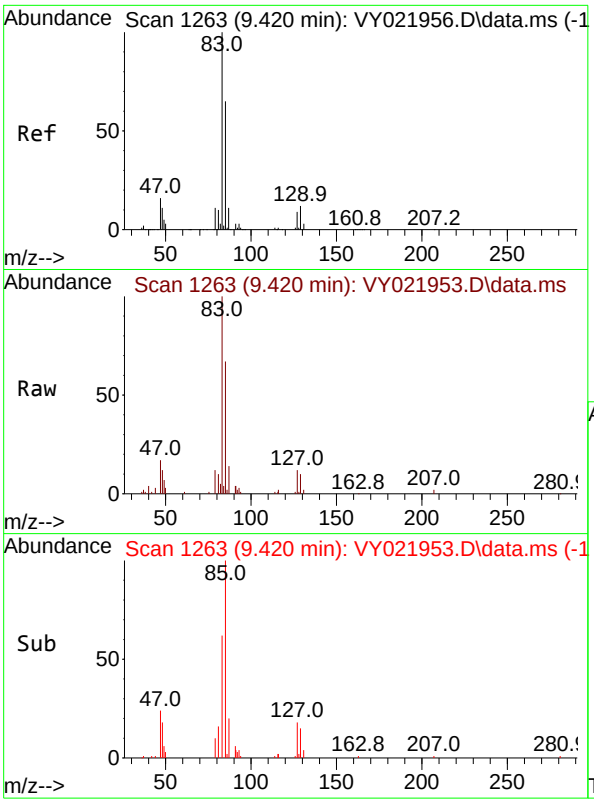


#46
Dibromomethane
Concen: 5.268 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 93 Resp: 9367

Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.7	100.1
174	99.2	84.6	127.0



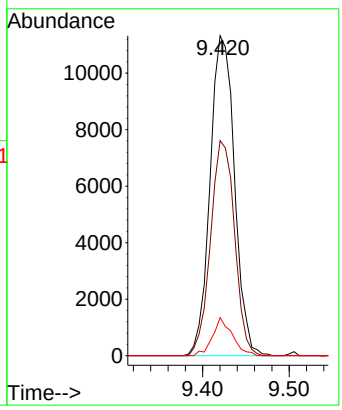


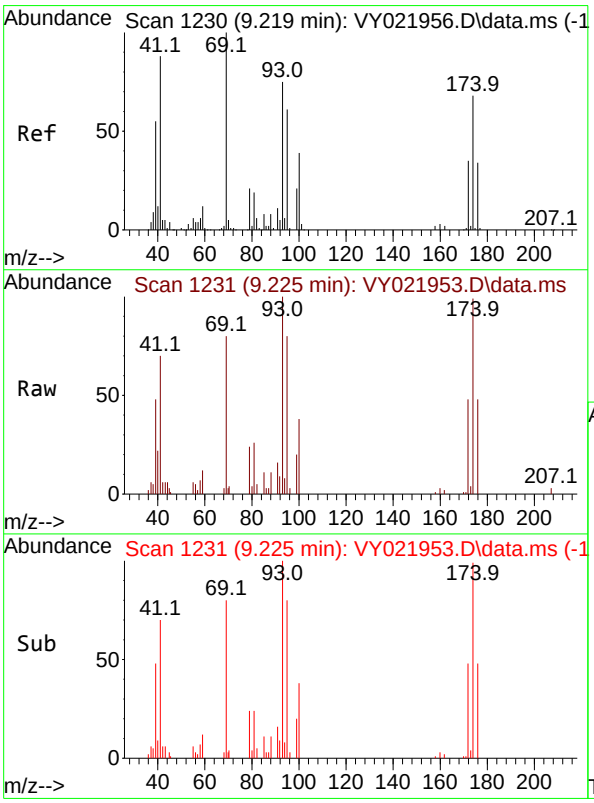
#47
Bromodichloromethane
Concen: 4.991 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 22170

Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.8	77.8
127	11.9	7.0	10.6#

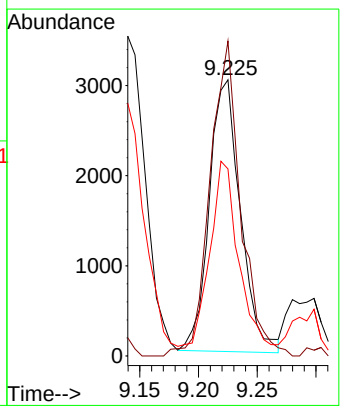


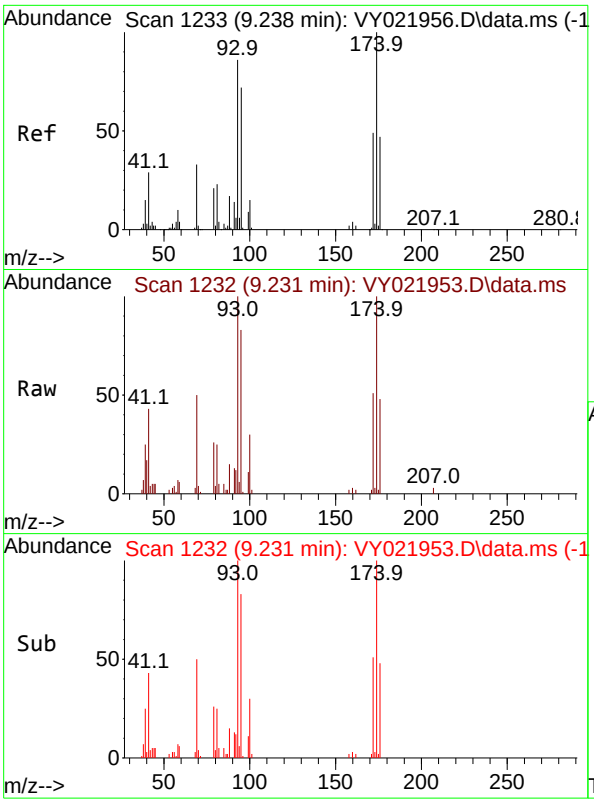


#48
Methyl methacrylate
Concen: 4.252 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 41 Resp: 5570

Ion	Ratio	Lower	Upper
41	100		
69	113.8	85.5	128.3
39	61.6	46.2	69.4



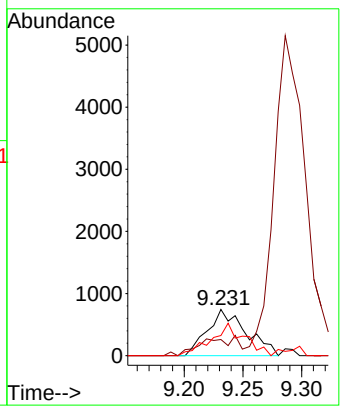


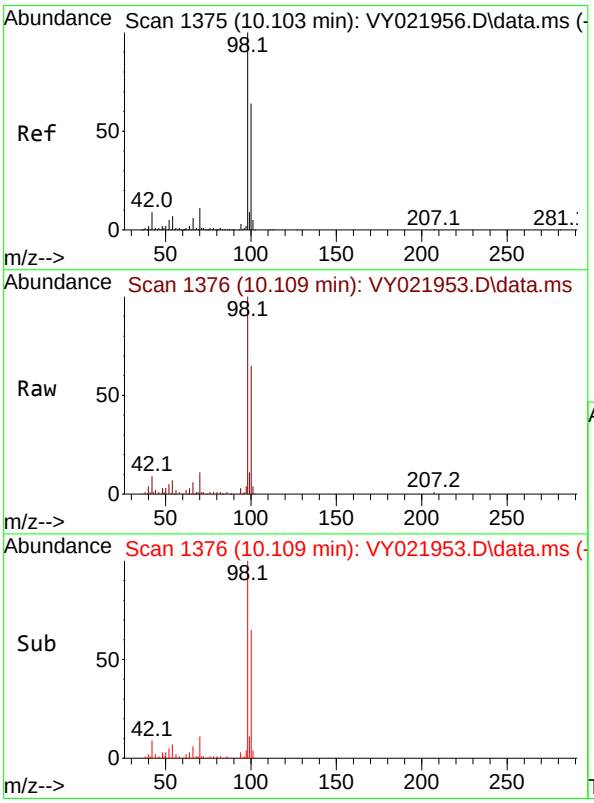
#49
1,4-Dioxane
Concen: 89.863 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 1703

Ion	Ratio	Lower	Upper
88	100		
43	38.6	21.3	31.9#
58	60.0	50.5	75.7

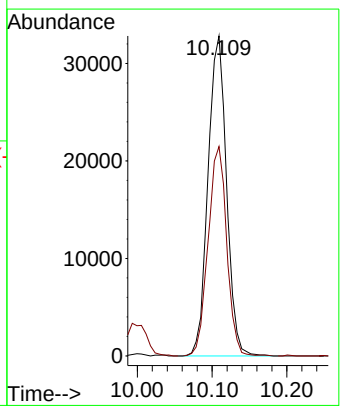


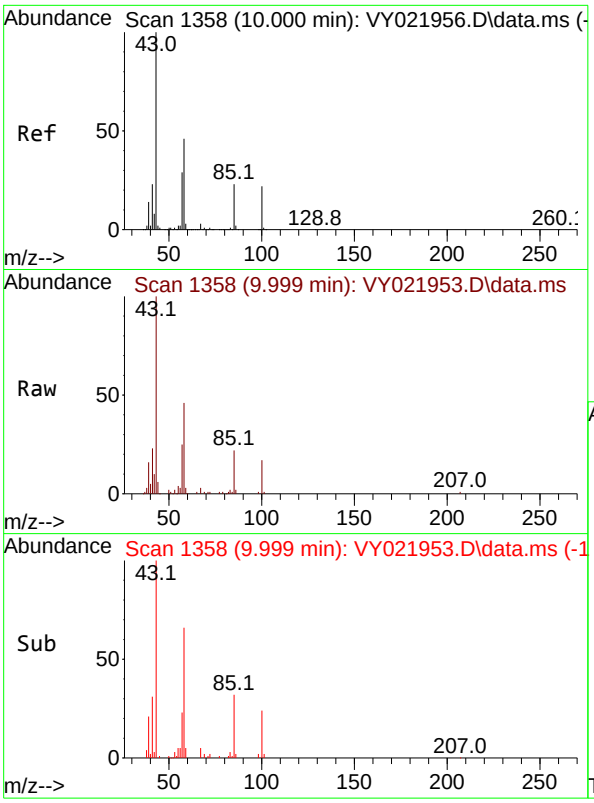


#50
Toluene-d8
Concen: 4.900 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 98 Resp: 56501

Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.6	77.4



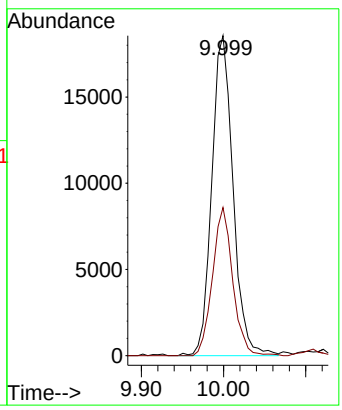


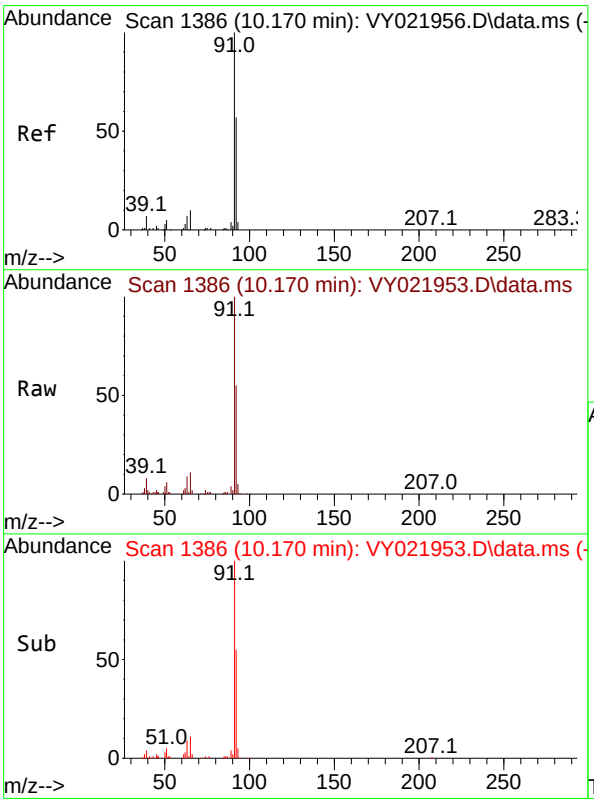
#51
4-Methyl-2-Pentanone
Concen: 22.414 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 33298

Ion	Ratio	Lower	Upper
43	100		
58	44.2	36.6	55.0

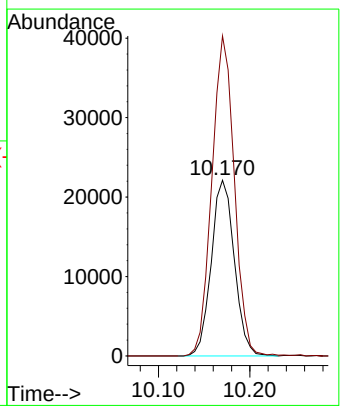


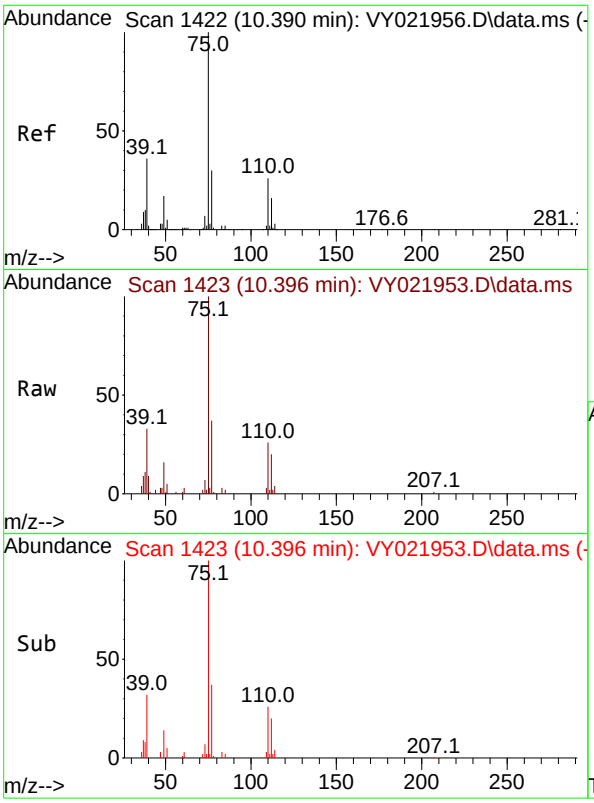


#52
Toluene
Concen: 4.665 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 92 Resp: 38784

Ion	Ratio	Lower	Upper
92	100		
91	177.9	138.6	207.8



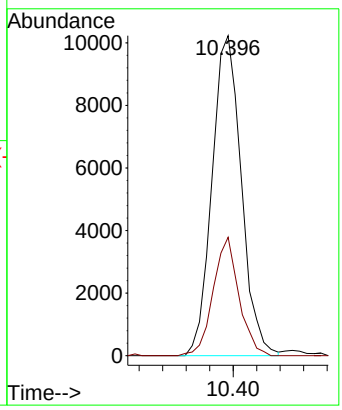


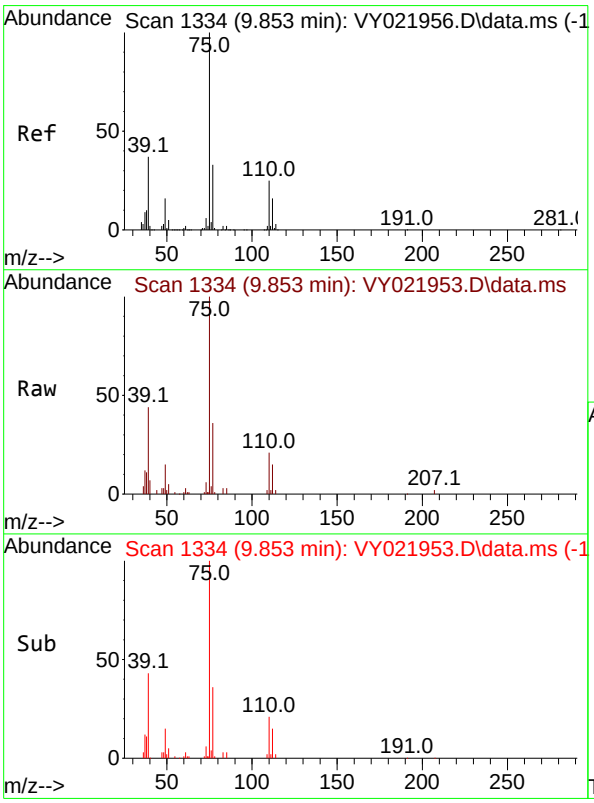
#53
t-1,3-Dichloropropene
Concen: 4.649 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 17712

Ion	Ratio	Lower	Upper
75	100		
77	37.0	24.0	36.0#

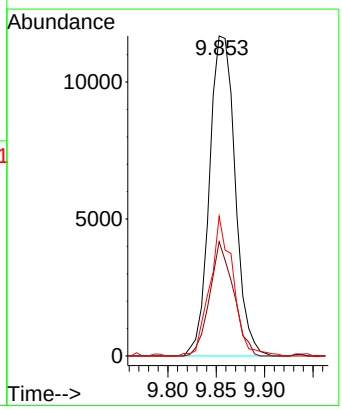


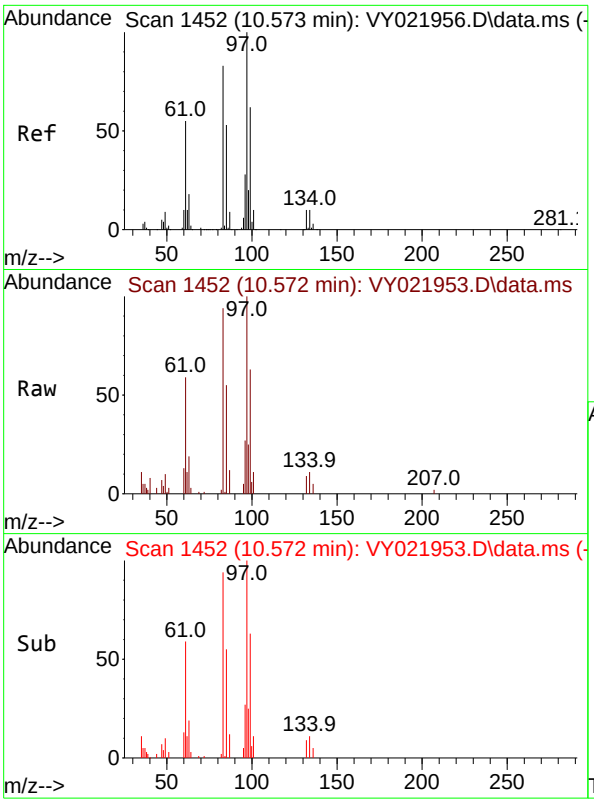


#54
cis-1,3-Dichloropropene
Concen: 4.765 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 21582

Ion	Ratio	Lower	Upper
75	100		
77	35.7	26.6	40.0
39	43.6	29.6	44.4



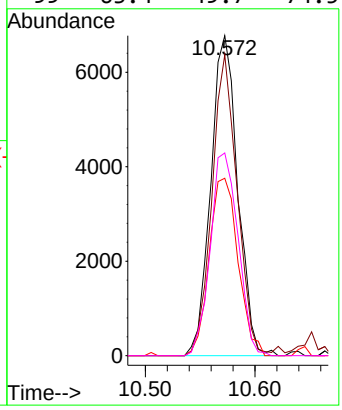


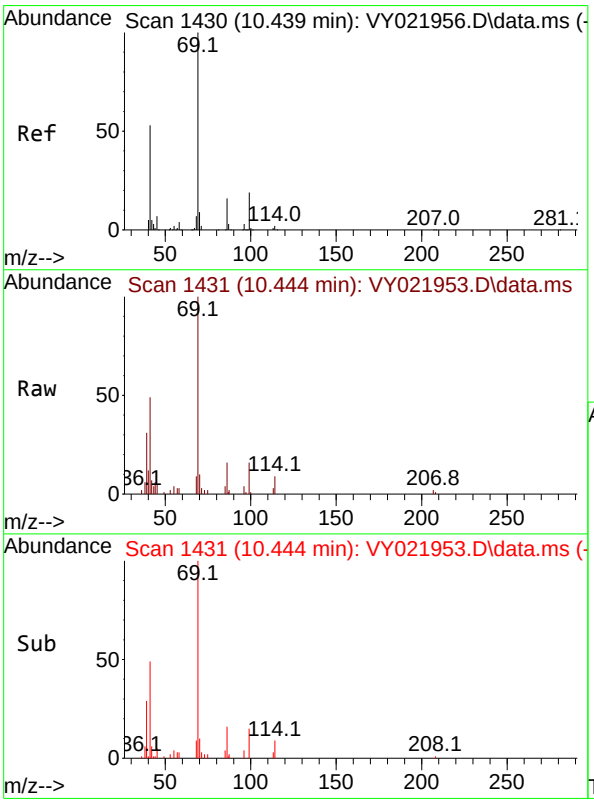
#55
1,1,2-Trichloroethane
Concen: 4.877 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 11582

Ion	Ratio	Lower	Upper
97	100		
83	94.0	66.7	100.1
85	55.5	42.6	64.0
99	63.4	49.7	74.5

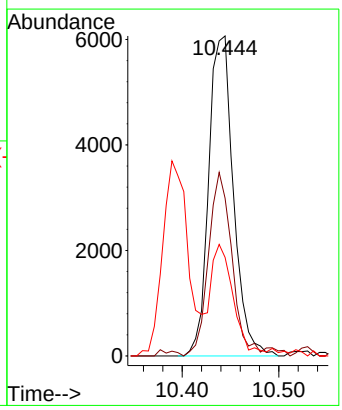


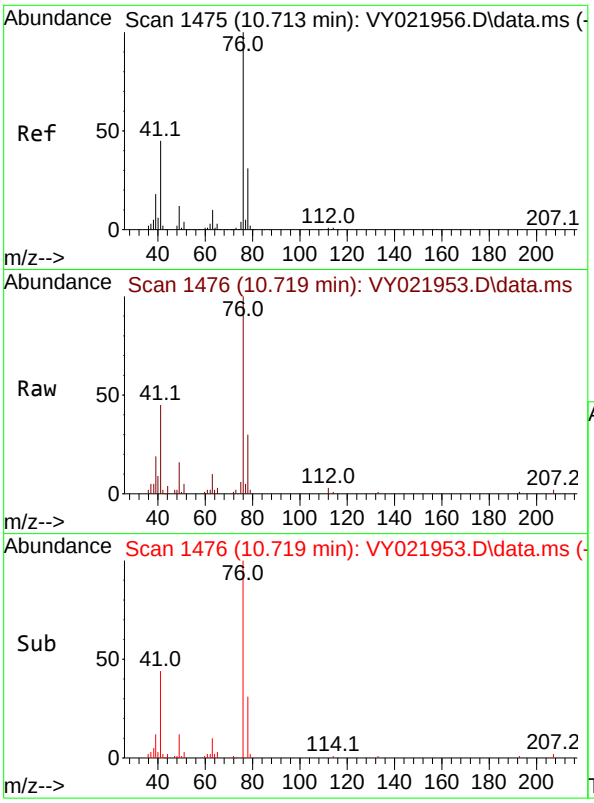


#56
Ethyl methacrylate
Concen: 3.982 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 69 Resp: 10816

Ion	Ratio	Lower	Upper
69	100		
41	54.5	40.7	61.1
39	30.0	23.3	34.9



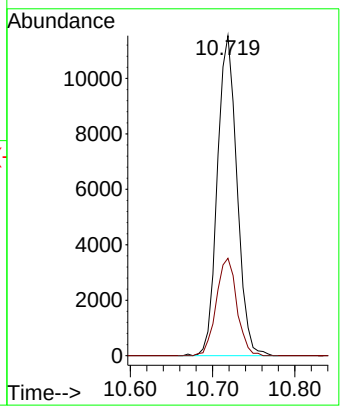


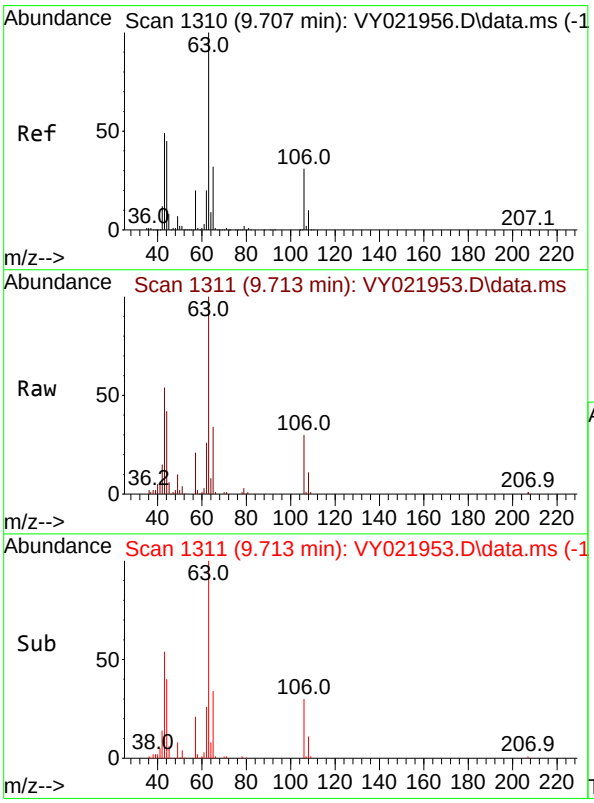
#57
1,3-Dichloropropane
Concen: 5.020 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 19113

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.6	39.8

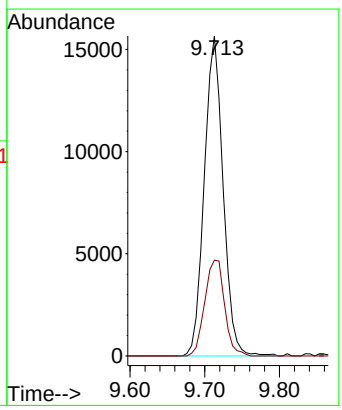


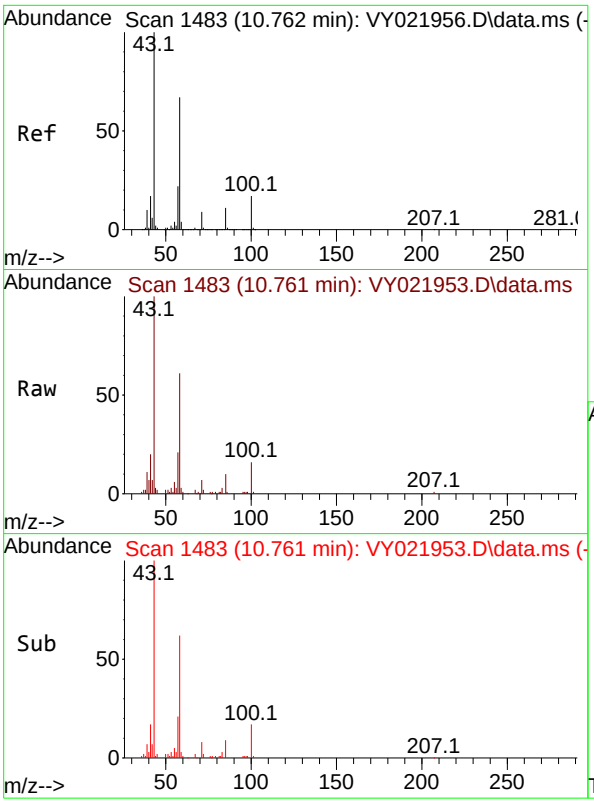


#58
2-Chloroethyl Vinyl ether
Concen: 20.606 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 63 Resp: 27363

Ion	Ratio	Lower	Upper
63	100		
106	31.5	25.3	37.9



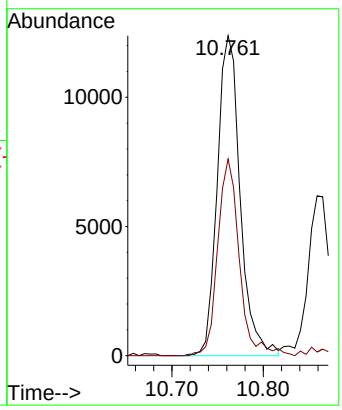


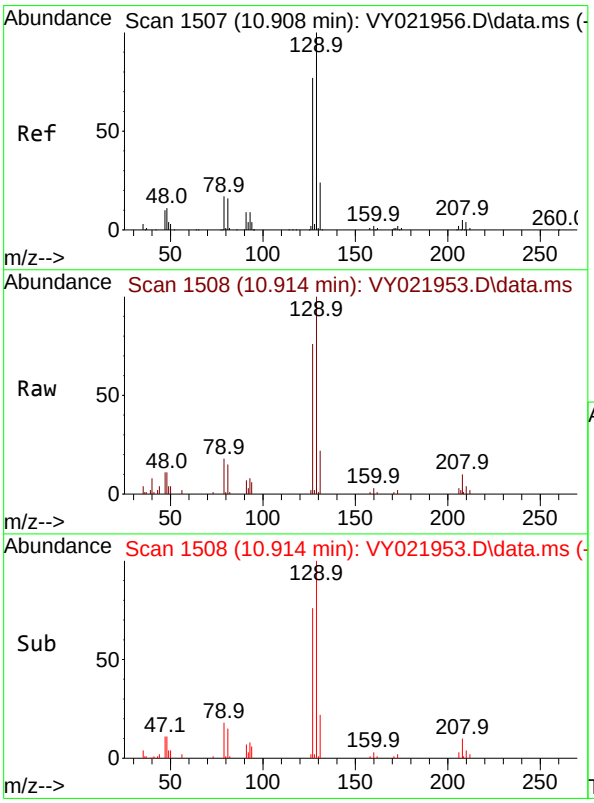
#59
2-Hexanone
Concen: 22.001 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 21558

Ion	Ratio	Lower	Upper
43	100		
58	58.1	32.0	96.0

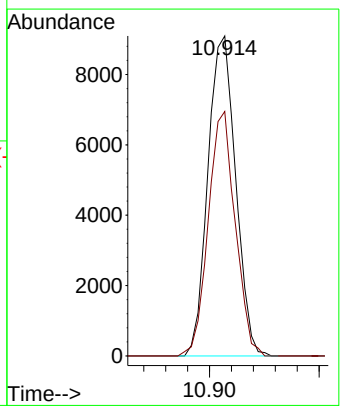


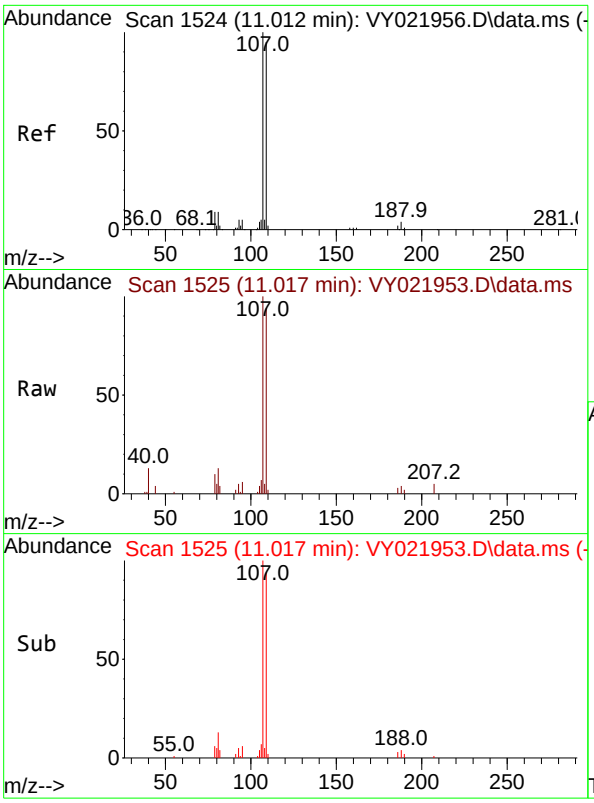


#60
Dibromochloromethane
Concen: 4.863 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:129 Resp: 15992

Ion	Ratio	Lower	Upper
129	100		
127	74.2	38.5	115.3



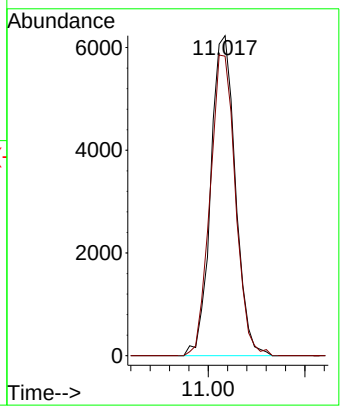


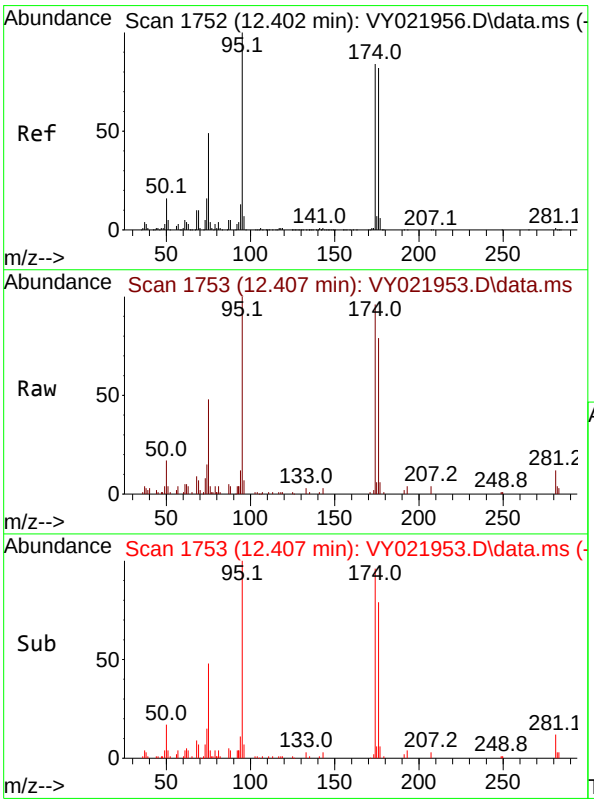
#61
1,2-Dibromoethane
Concen: 4.915 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 11020

Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.8	113.8

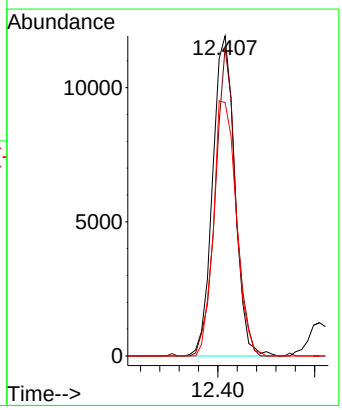


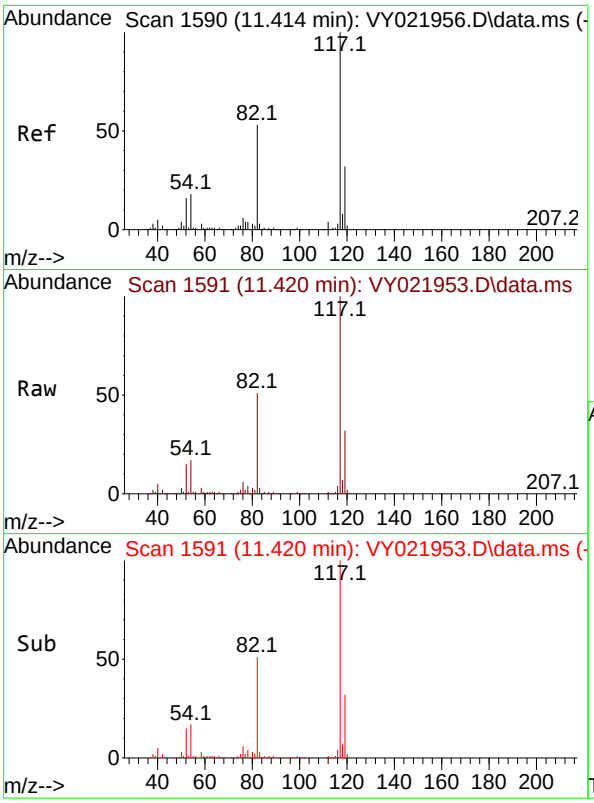


#62
4-Bromofluorobenzene
Concen: 4.869 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 95 Resp: 18902

Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	179.0
176	82.4	0.0	171.8



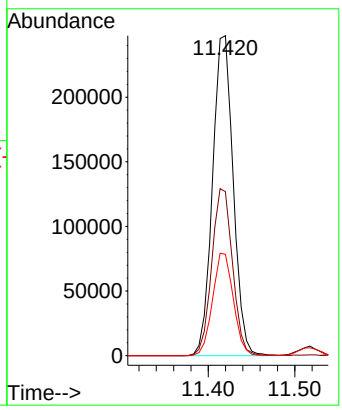


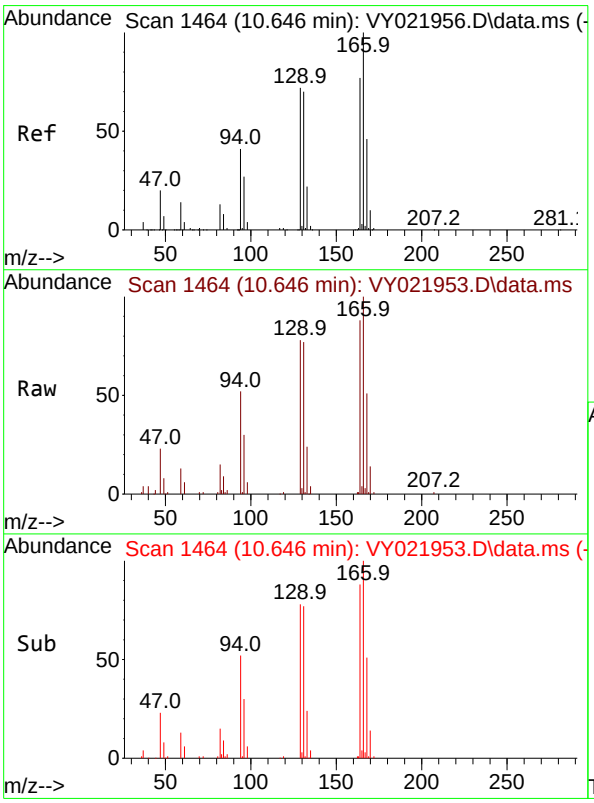
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 410723

Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.1	63.1
119	31.7	25.7	38.5

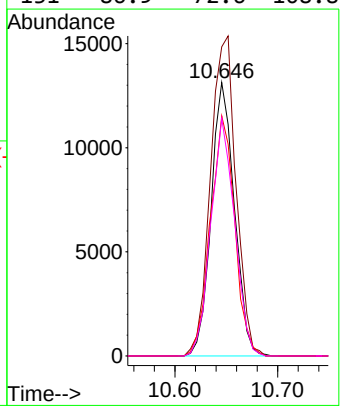


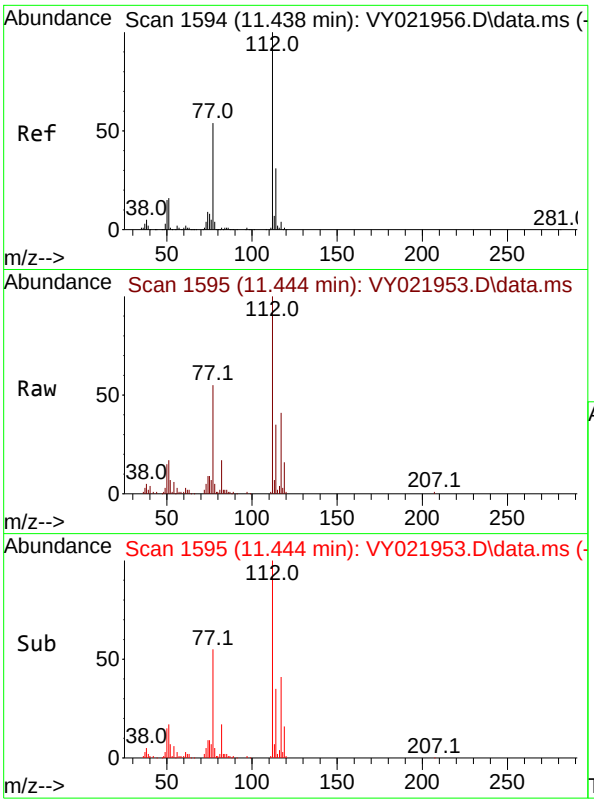


#64
Tetrachloroethene
Concen: 5.302 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:164 Resp: 20545

Ion	Ratio	Lower	Upper
164	100		
166	113.0	103.6	155.4
129	87.8	74.2	111.4
131	86.9	72.6	108.8



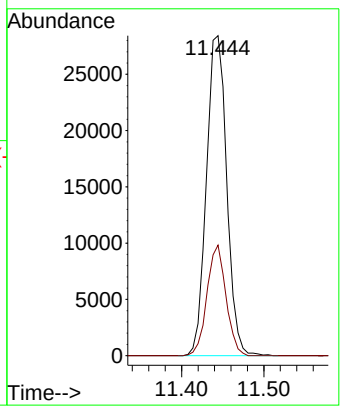


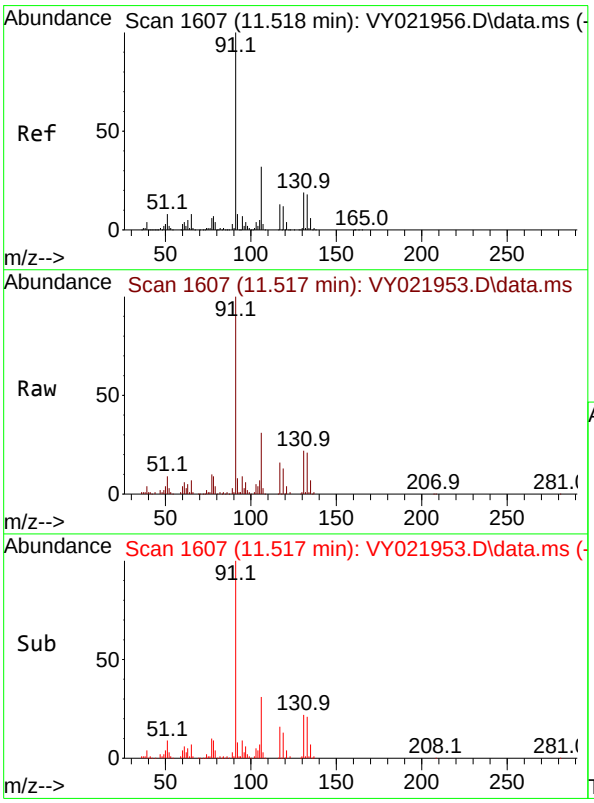
#65
Chlorobenzene
Concen: 5.314 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 48805

Ion	Ratio	Lower	Upper
112	100		
114	34.6	25.0	37.4

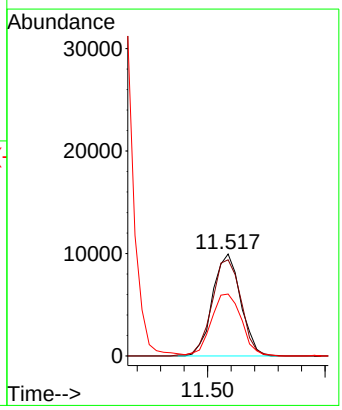


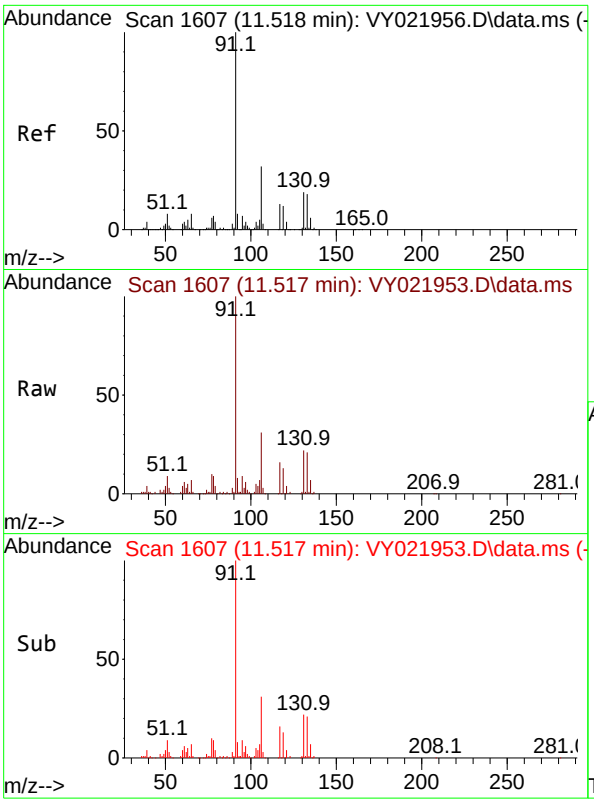


#66
1,1,1,2-Tetrachloroethane
Concen: 5.097 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:131 Resp: 16483

Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.8	143.3
119	65.6	32.4	97.0



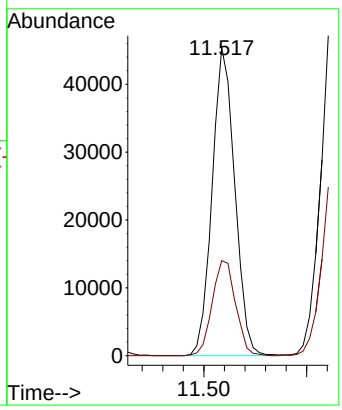


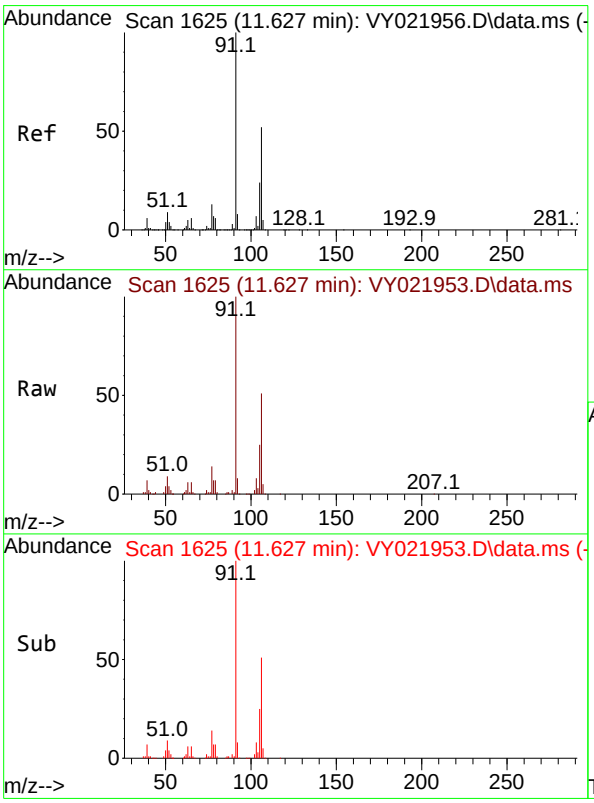
#67
Ethyl Benzene
Concen: 4.629 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 69548

Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.9	38.9

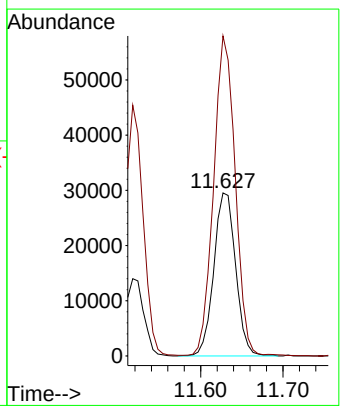


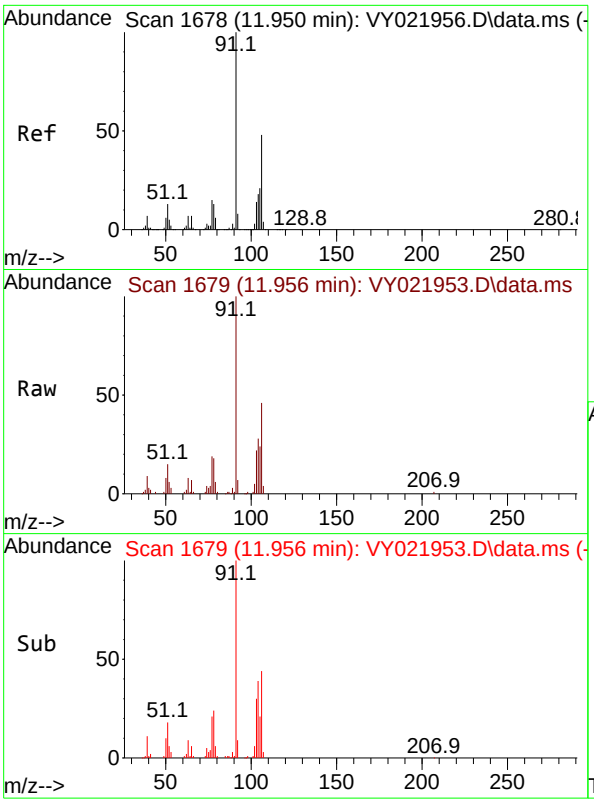


#68
m/p-Xylenes
Concen: 9.119 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:106 Resp: 54518

Ion	Ratio	Lower	Upper
106	100		
91	195.0	156.2	234.2



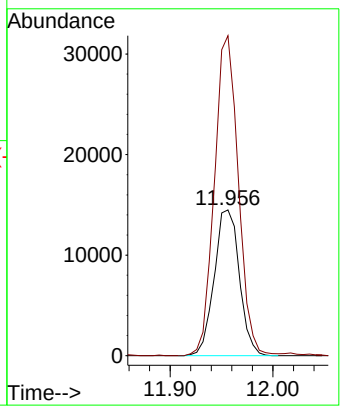


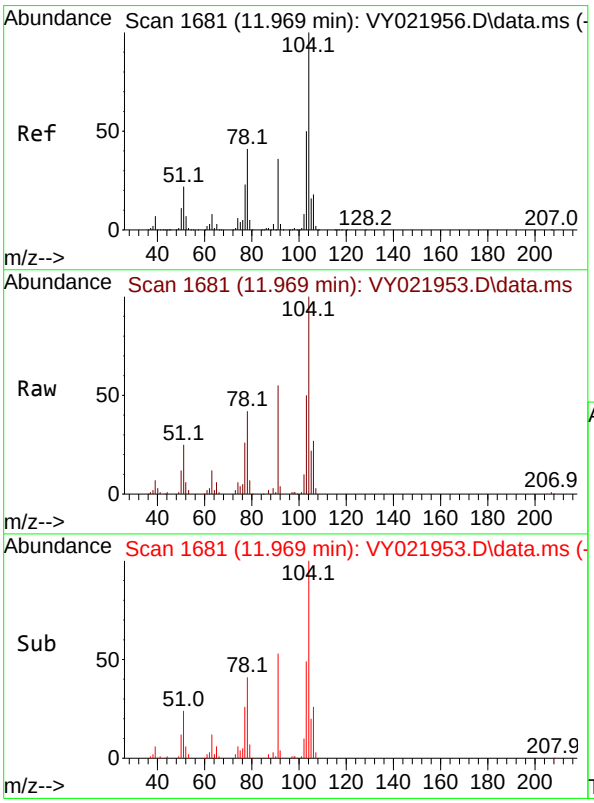
#69
o-Xylene
Concen: 4.466 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 24611

Ion	Ratio	Lower	Upper
106	100		
91	208.8	103.0	308.9

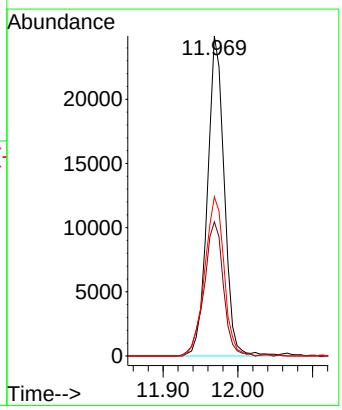


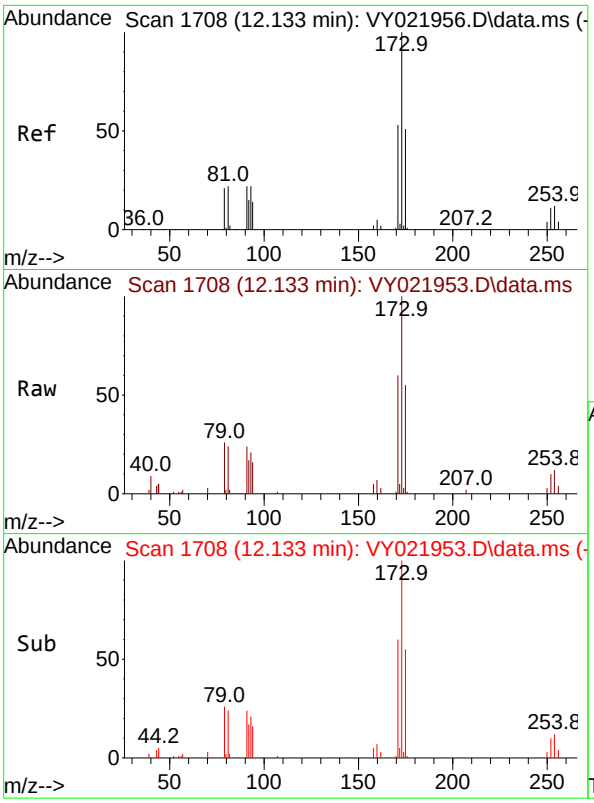


#70
Styrene
Concen: 4.217 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:104 Resp: 39016

Ion	Ratio	Lower	Upper
104	100		
78	48.0	36.6	54.8
103	57.1	43.8	65.8



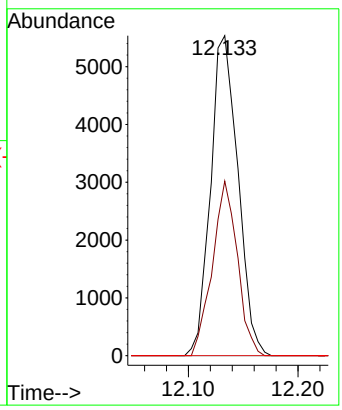


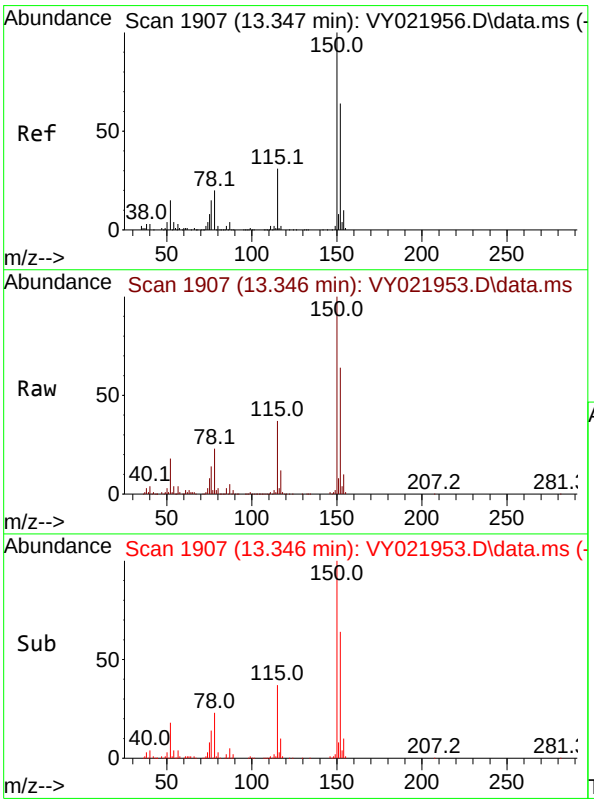
#71
Bromoform
Concen: 5.111 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9608

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.8
254	0.0	0.0	0.0

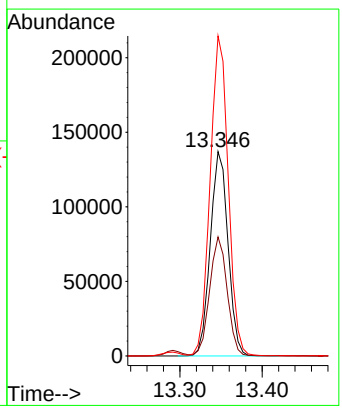


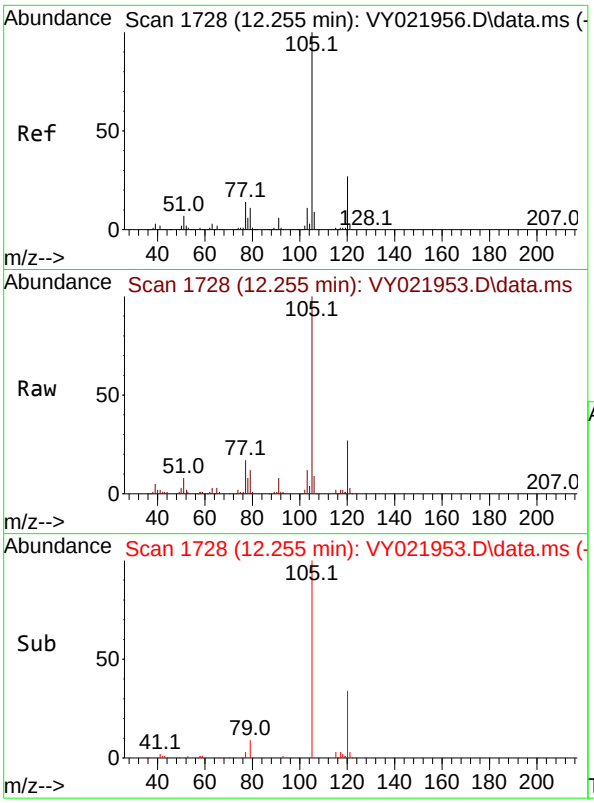


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:152 Resp: 205526

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.0	84.0
150	159.3	0.0	345.6



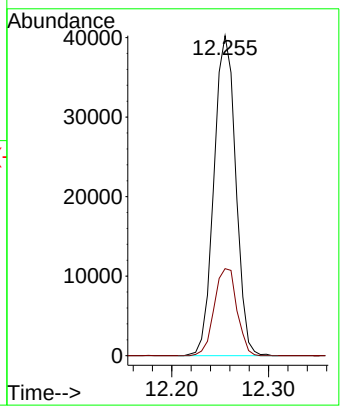


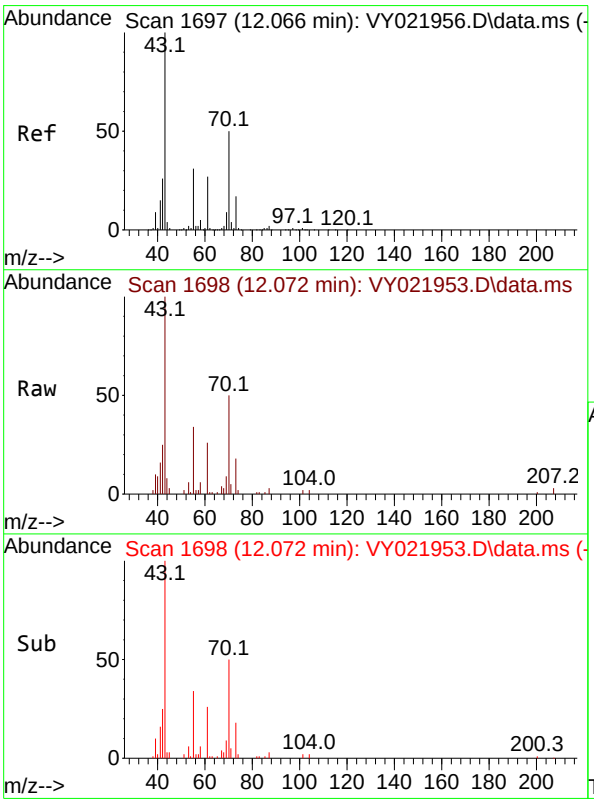
#73
Isopropylbenzene
Concen: 4.582 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62917

Ion	Ratio	Lower	Upper
105	100		
120	28.3	13.5	40.5

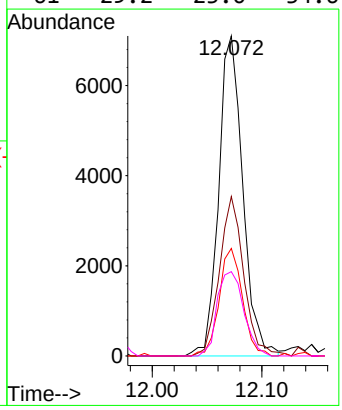


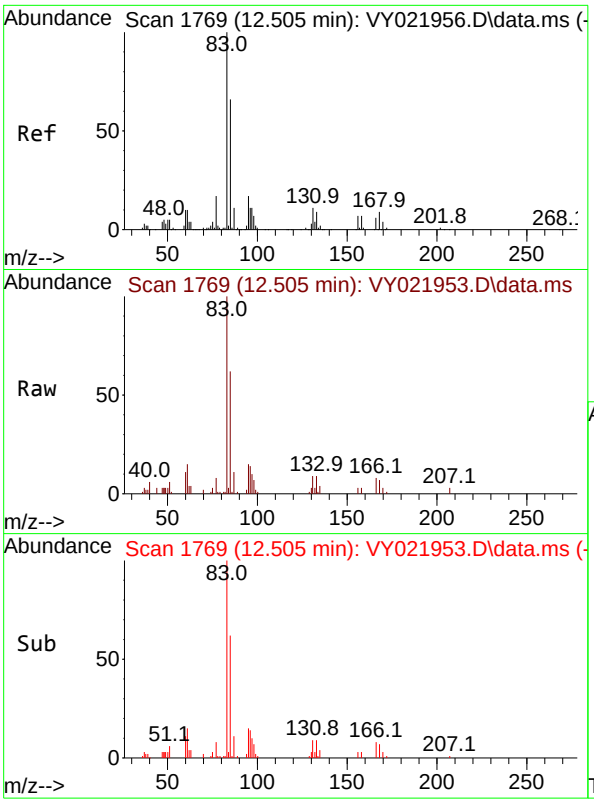


#74
N-amyl acetate
Concen: 4.596 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 43 Resp: 10843

Ion	Ratio	Lower	Upper
43	100		
70	50.3	43.2	64.8
55	32.5	25.7	38.5
61	29.2	23.0	34.6



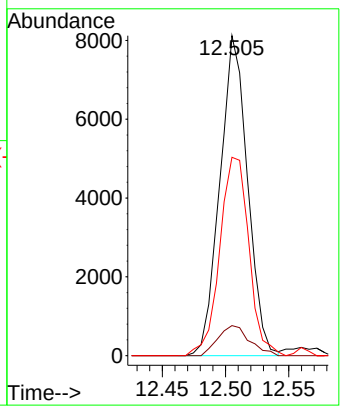


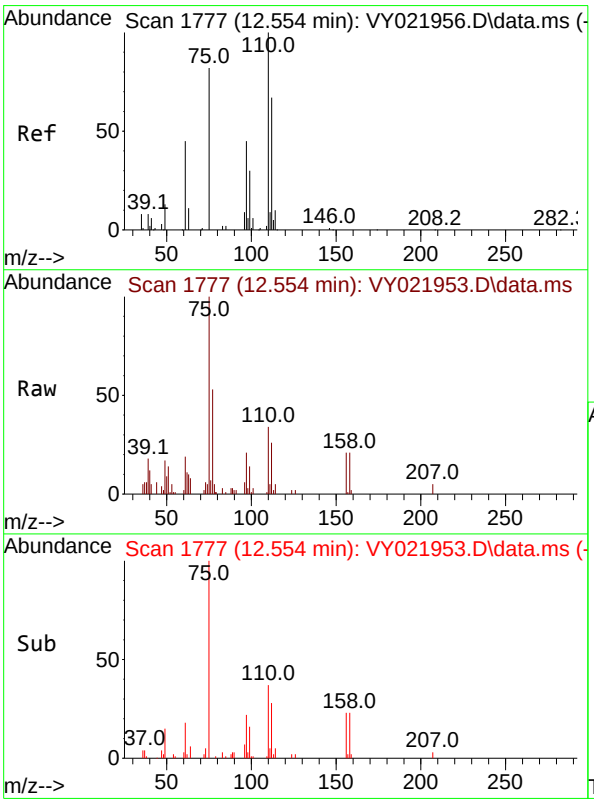
#75
1,1,2,2-Tetrachloroethane
Concen: 5.340 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 12362

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.5	16.4
85	65.3	32.3	96.8

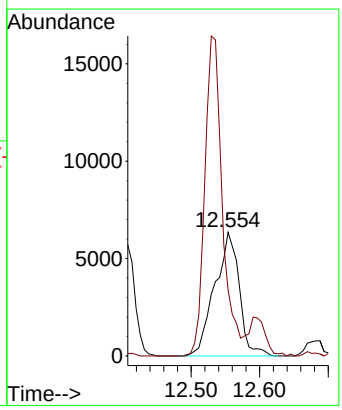


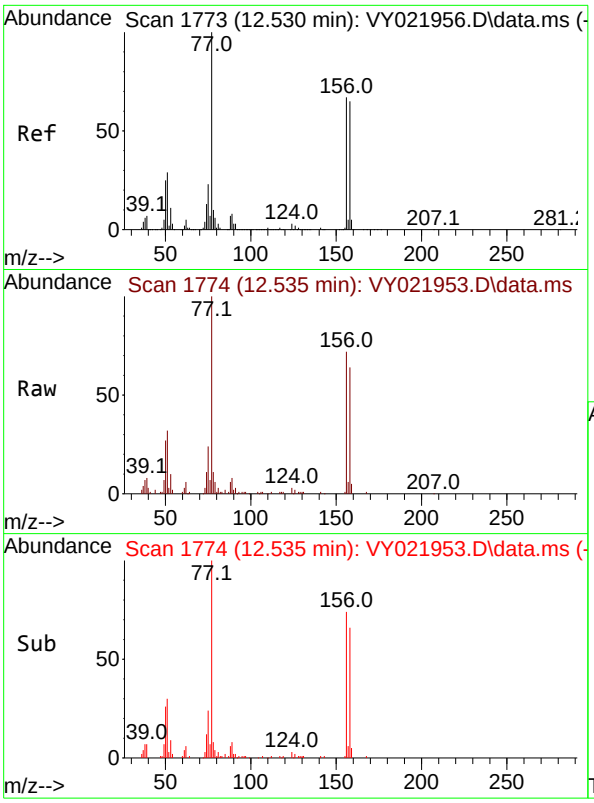


#76
1,2,3-Trichloropropane
Concen: 8.706 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 15766

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



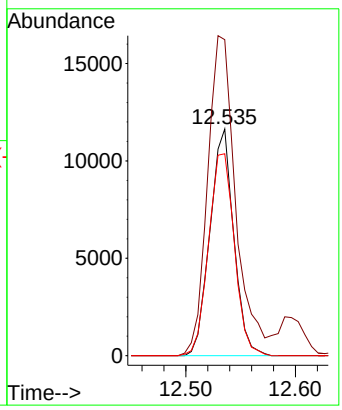


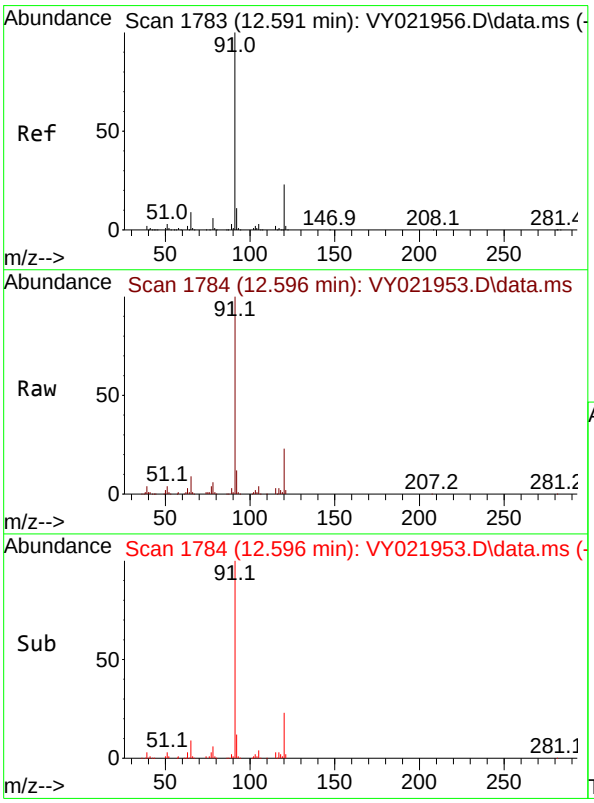
#77
Bromobenzene
Concen: 5.064 ug/l
RT: 12.535 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 17570

Ion	Ratio	Lower	Upper
156	100		
77	165.8	82.7	248.1
158	96.6	48.1	144.4

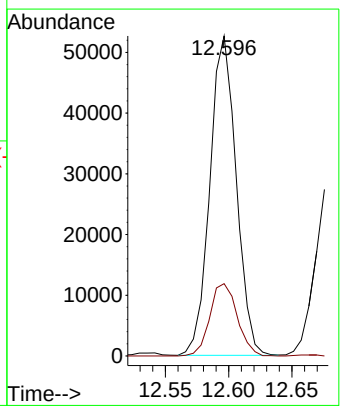


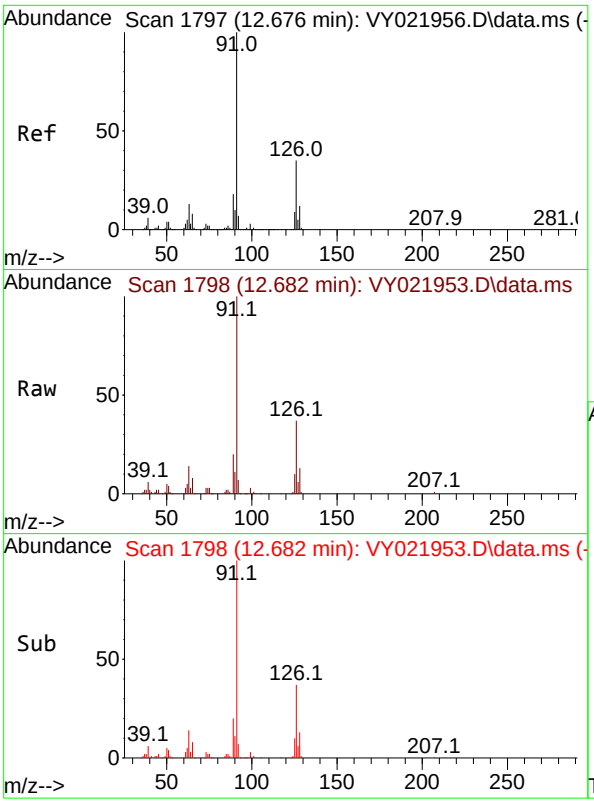


#78
n-propylbenzene
Concen: 4.660 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 76210

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5



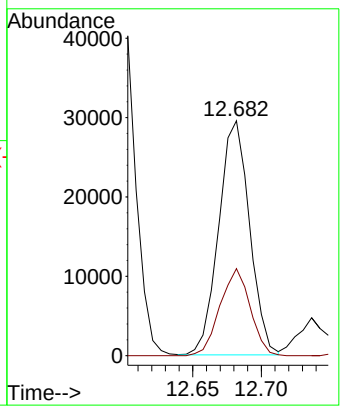


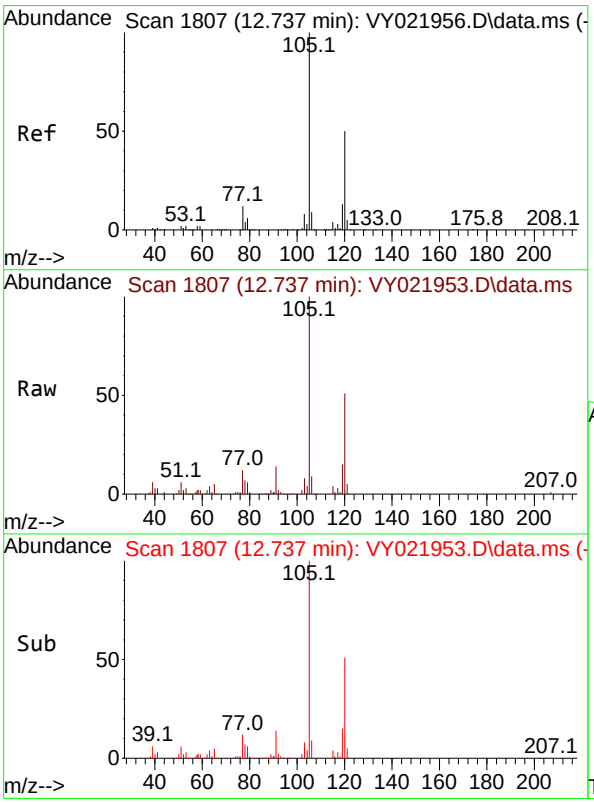
#79
2-Chlorotoluene
Concen: 4.868 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 46298

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8

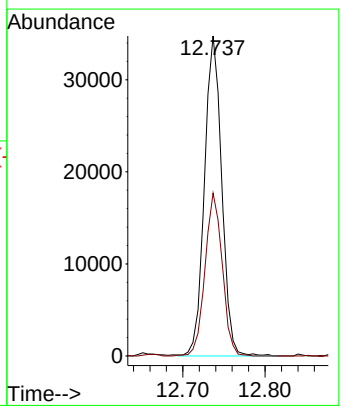


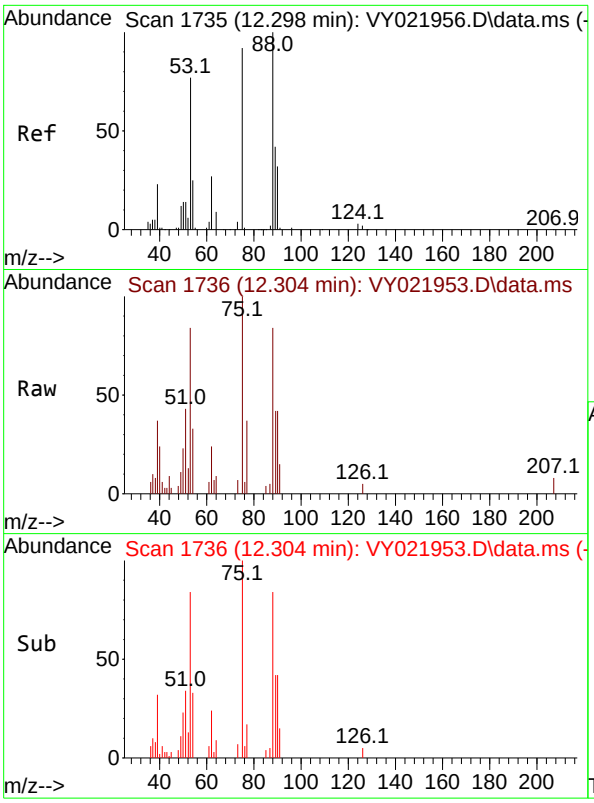


#80
1,3,5-Trimethylbenzene
Concen: 4.481 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:105 Resp: 50699

Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.0	75.0



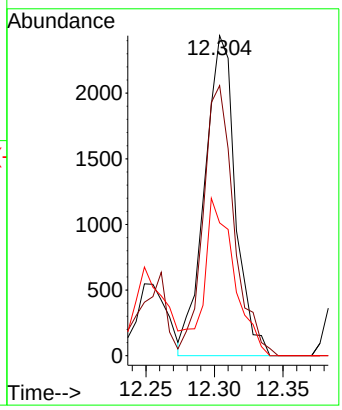


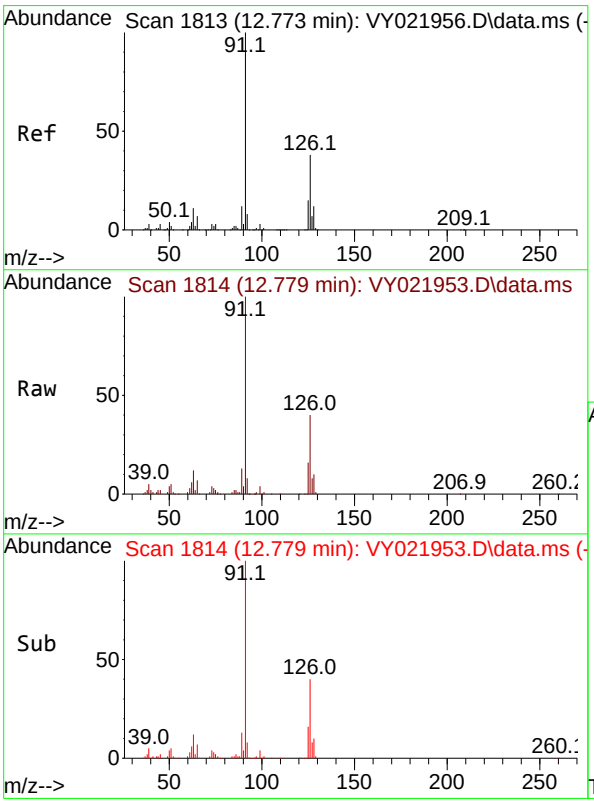
#81
trans-1,4-Dichloro-2-butene
Concen: 5.191 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3795

Ion	Ratio	Lower	Upper
75	100		
53	84.6	66.0	99.0
89	46.9	37.2	55.8

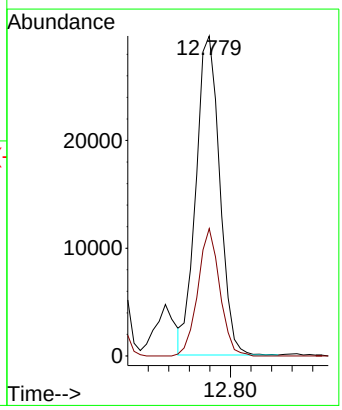


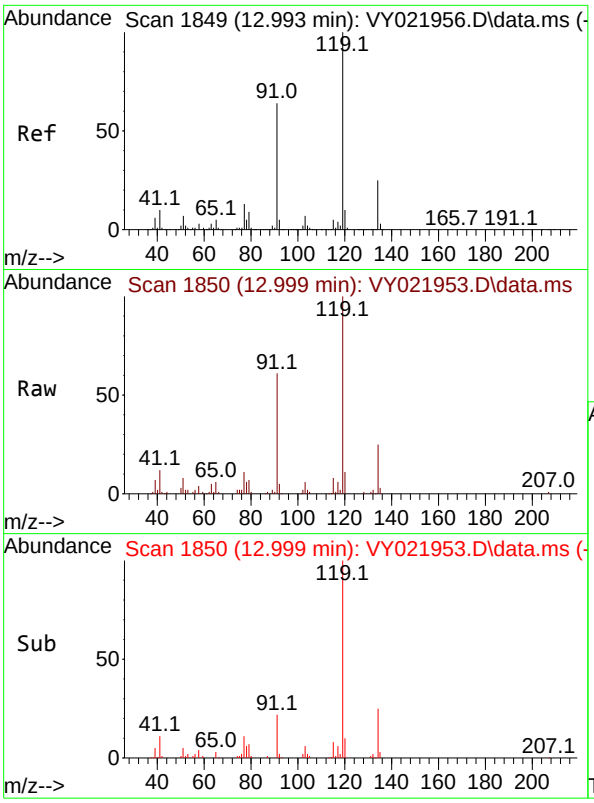


#82
4-Chlorotoluene
Concen: 4.809 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 91 Resp: 47541

Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.9	53.8



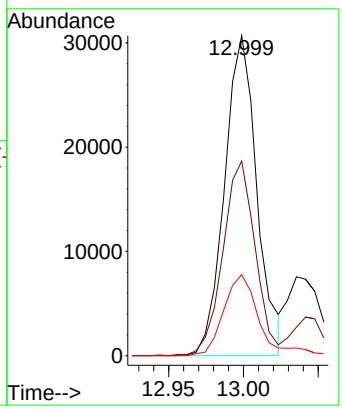


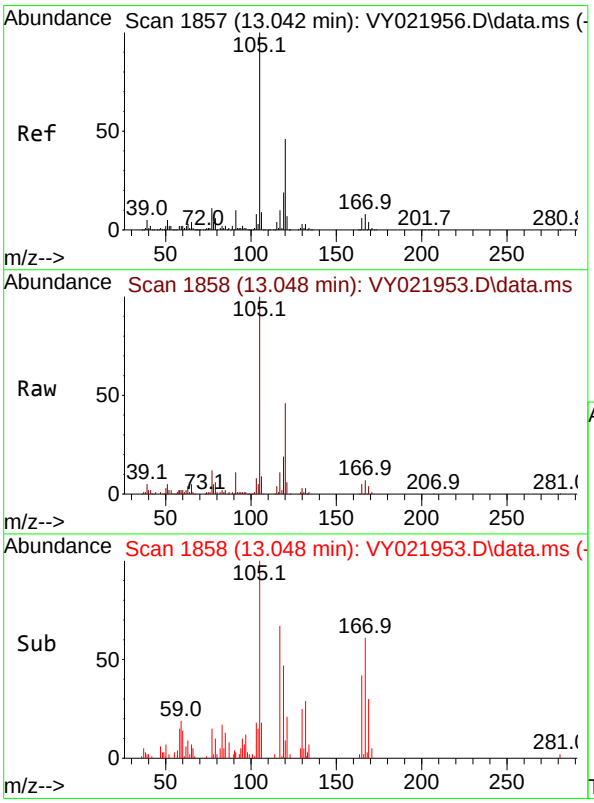
#83
tert-Butylbenzene
Concen: 4.550 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 46171

Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.3	90.9
134	27.5	12.9	38.7

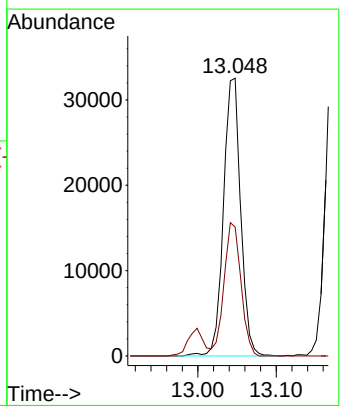


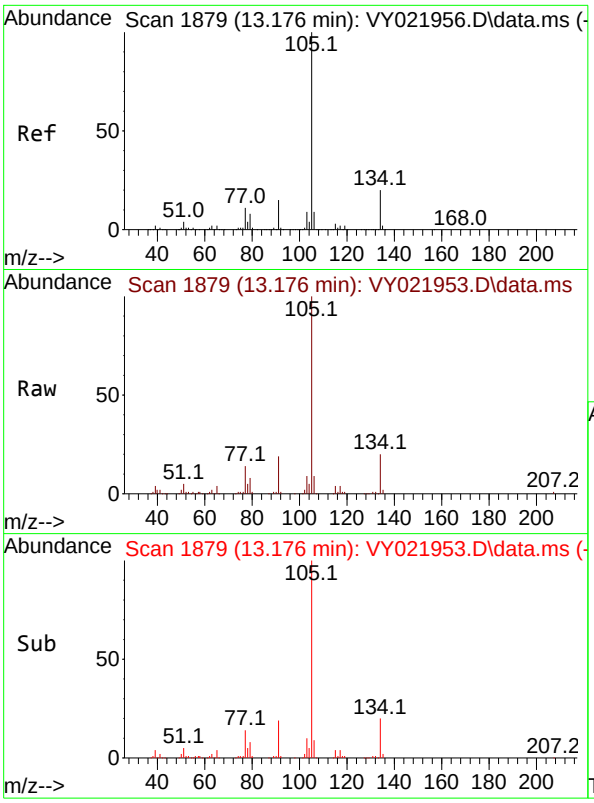


#84
1,2,4-Trimethylbenzene
Concen: 4.387 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:105 Resp: 49642

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.4	70.0



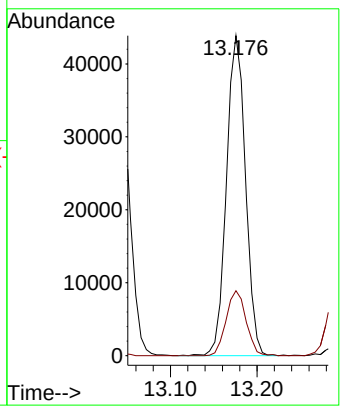


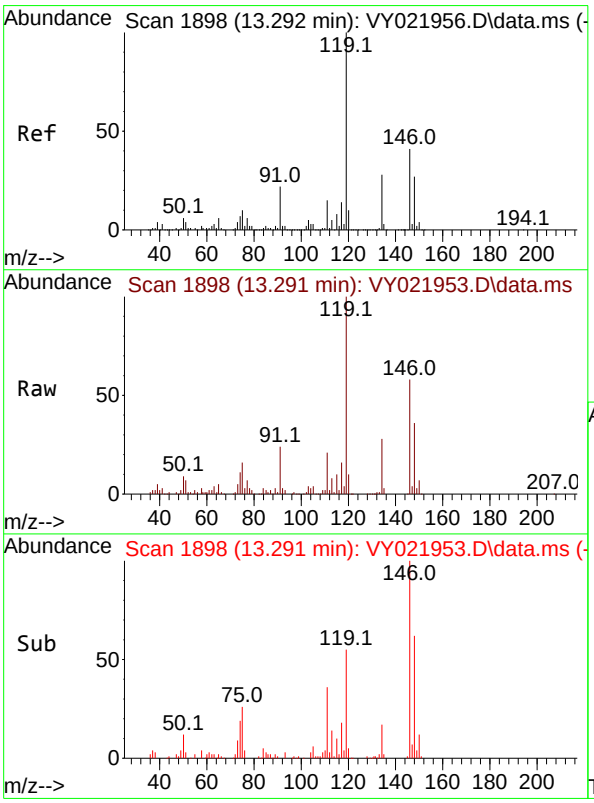
#85
sec-Butylbenzene
Concen: 4.504 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 66872

Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.3	30.9

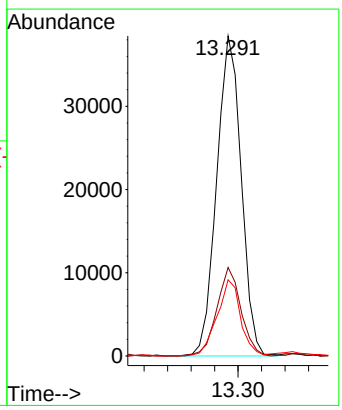


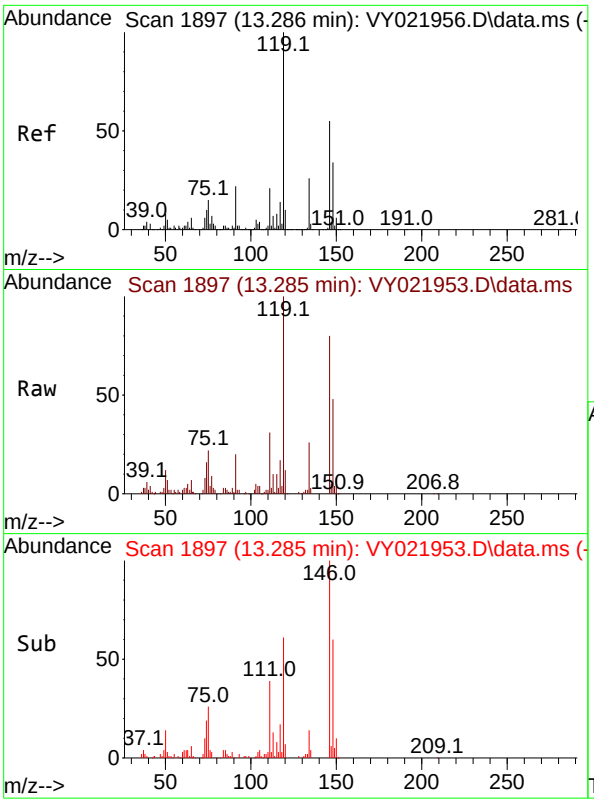


#86
p-Isopropyltoluene
Concen: 4.430 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:119 Resp: 55850

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.8	11.0	33.0



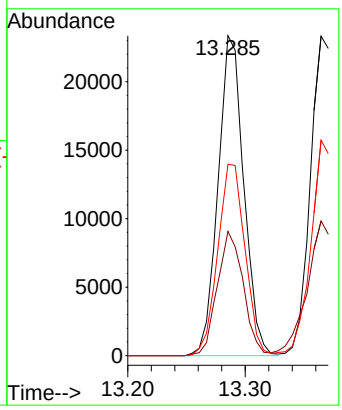


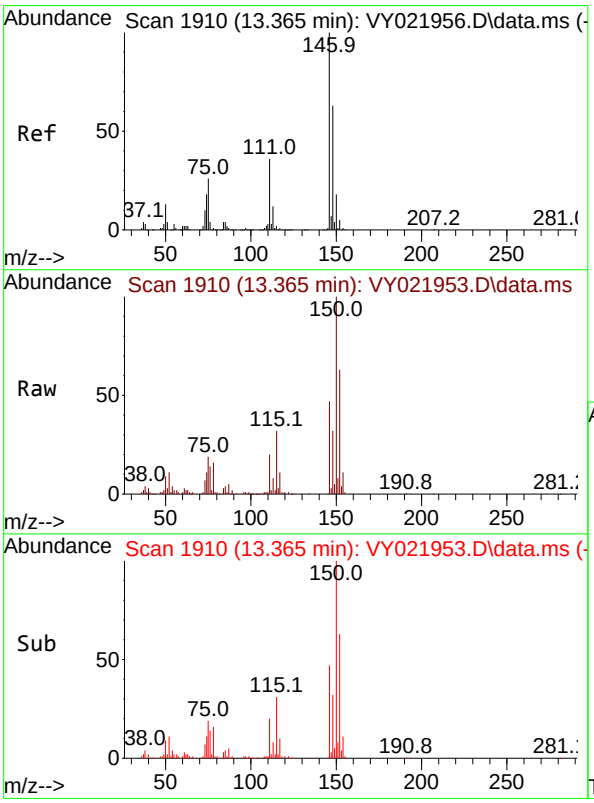
#87
1,3-Dichlorobenzene
Concen: 5.045 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 35553

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.5
148	63.4	32.0	96.2

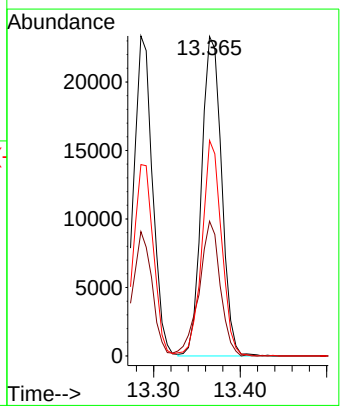


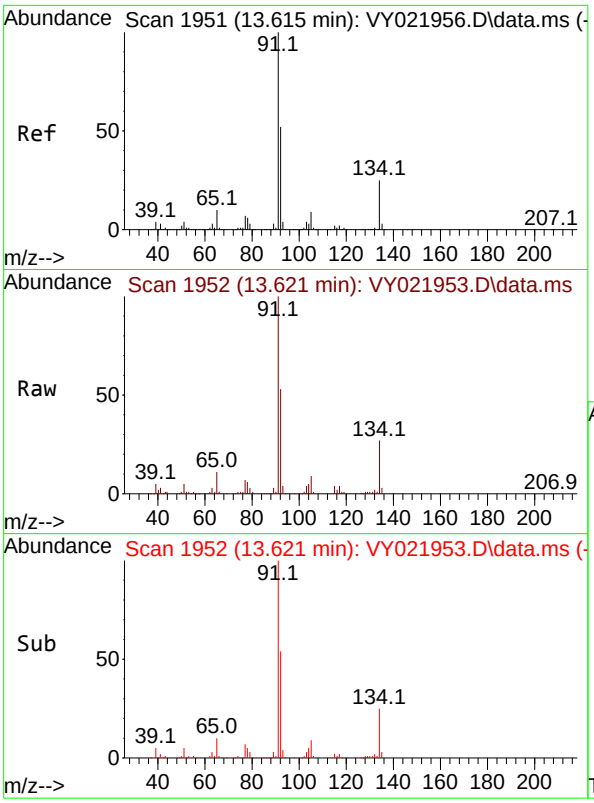


#88
1,4-Dichlorobenzene
Concen: 5.362 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:146 Resp: 37426

Ion	Ratio	Lower	Upper
146	100		
111	44.7	19.2	57.6
148	66.0	32.0	96.0



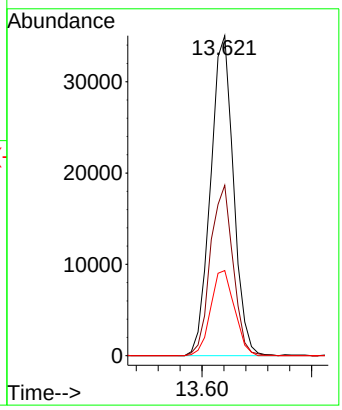


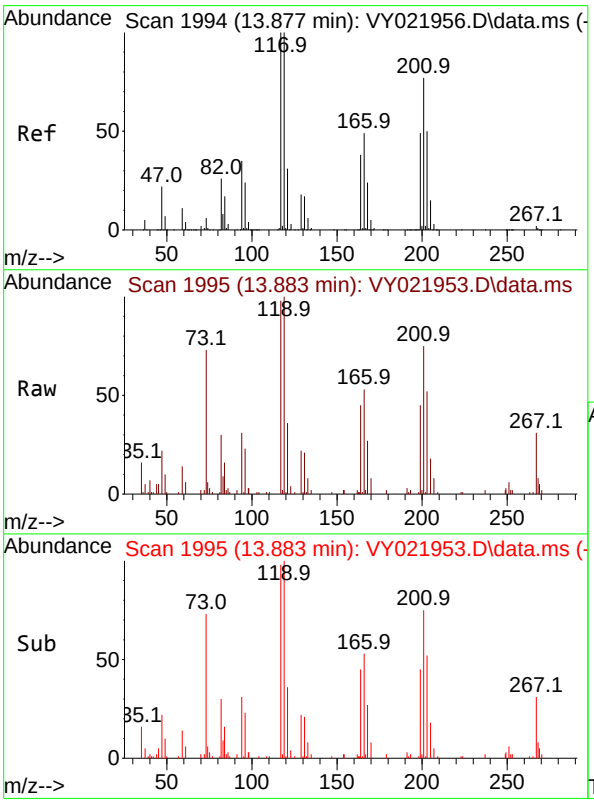
#89
n-Butylbenzene
Concen: 4.518 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 50918

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.7	13.4	40.1

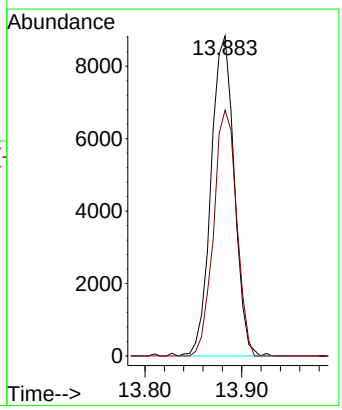


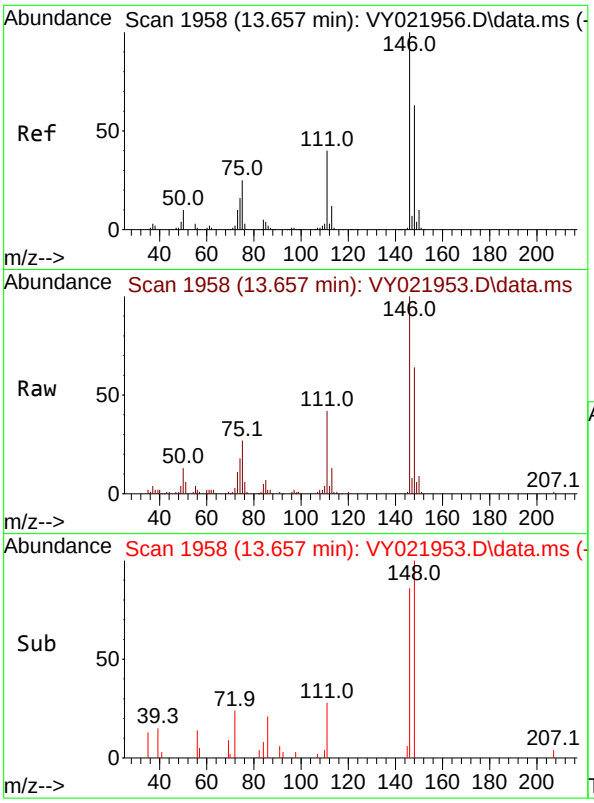


#90
Hexachloroethane
Concen: 5.308 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:117 Resp: 14703

Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.7	116.1



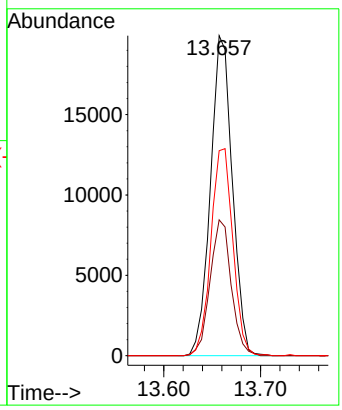


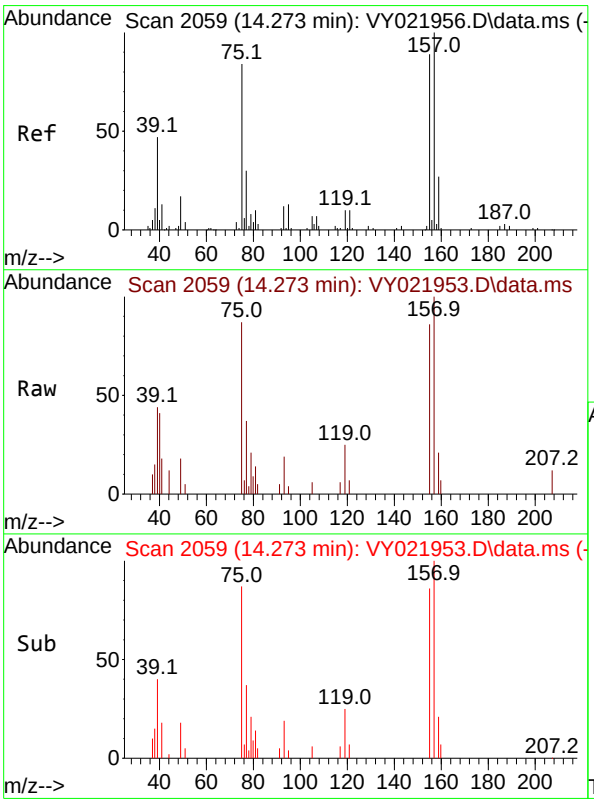
#91
1,2-Dichlorobenzene
Concen: 5.092 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 31298

Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.7	59.1
148	64.9	32.1	96.3

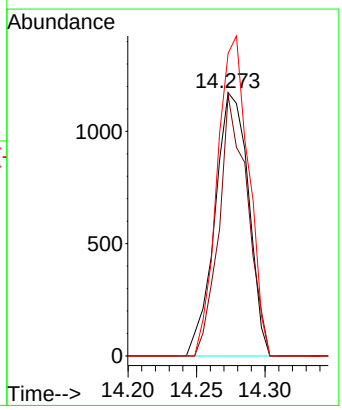


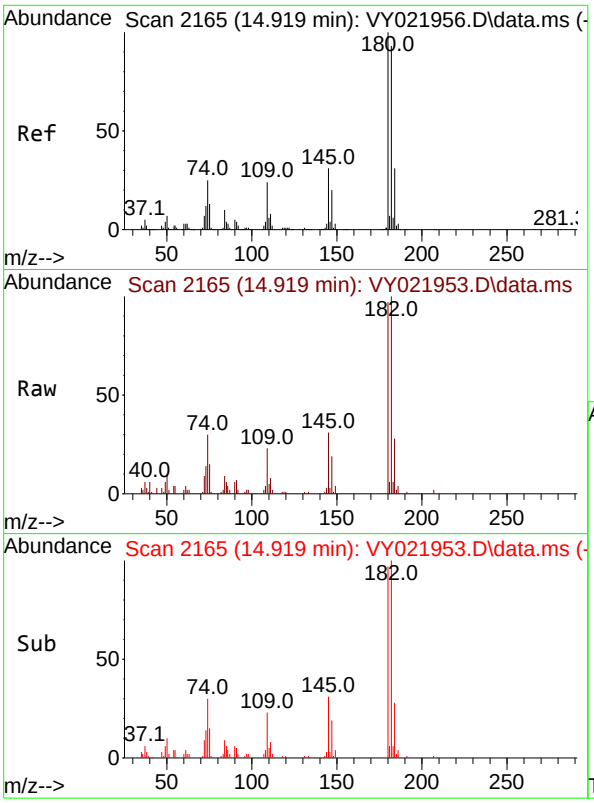


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.430 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion: 75 Resp: 2000

Ion	Ratio	Lower	Upper
75	100		
155	83.8	50.7	152.3
157	113.1	62.6	187.8



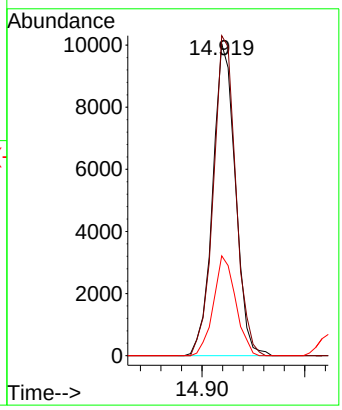


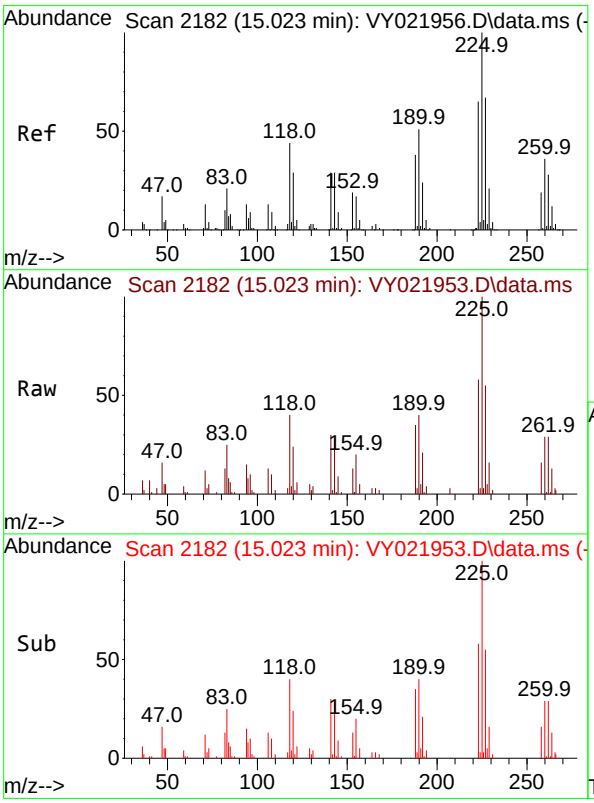
#93
1,2,4-Trichlorobenzene
Concen: 4.406 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 15346

Ion	Ratio	Lower	Upper
180	100		
182	101.1	47.1	141.4
145	31.3	15.0	45.0

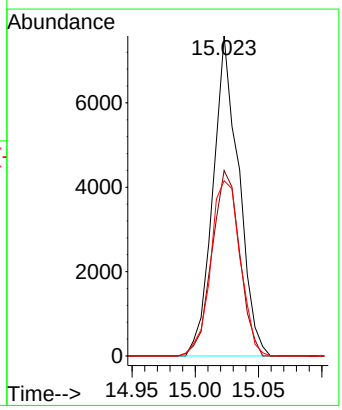


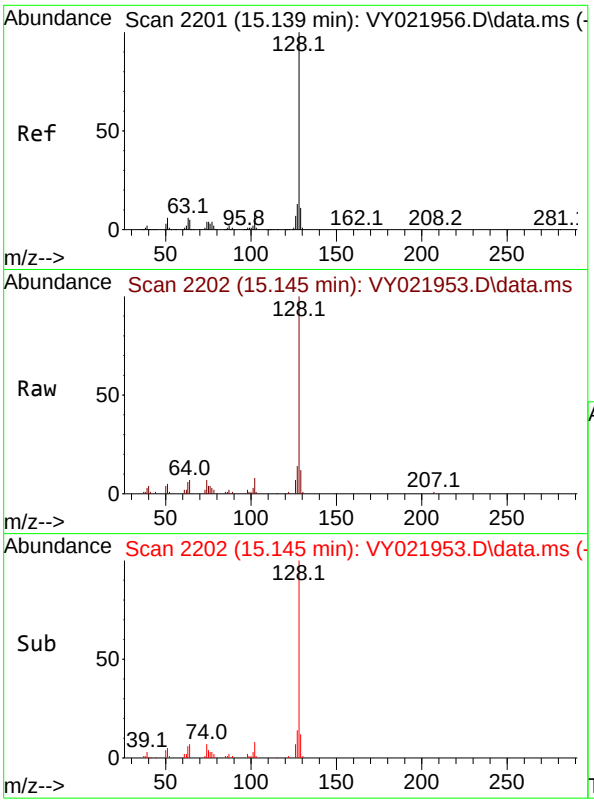


#94
Hexachlorobutadiene
Concen: 5.004 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:225 Resp: 10723

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	62.9	32.3	96.9



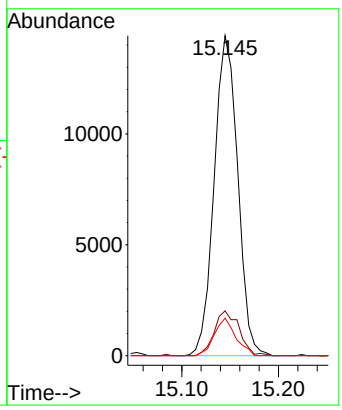


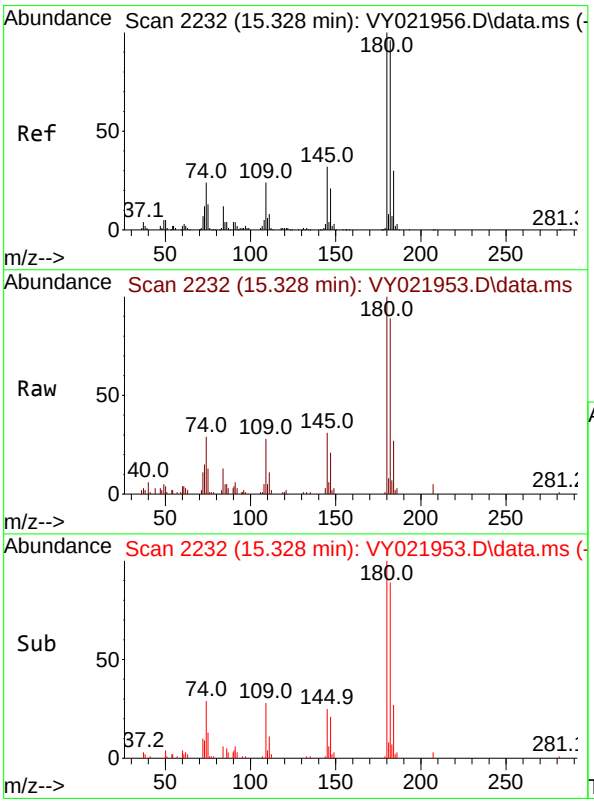
#95
Naphthalene
Concen: 4.212 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 24368

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.6	16.0
129	10.6	8.9	13.3

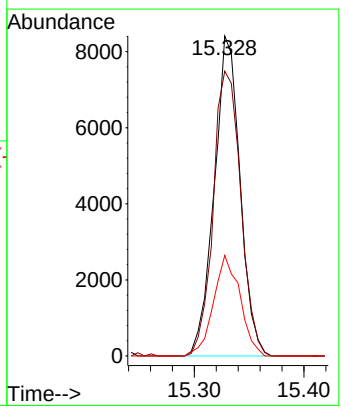




#96
1,2,3-Trichlorobenzene
Concen: 4.585 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021953.D
Acq: 22 Apr 2025 13:39

Tgt Ion:180 Resp: 13785

Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	32.3	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.640%#		
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.660%#		
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.240%#		
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14357	9.878	ug/l	96
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	4816	5.978	ug/l	#	55
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l		99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l		98
44) Trichloroethene	8.865	130	37414	10.534	ug/l		91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l		98
46) Dibromomethane	9.231	93	17848	10.055	ug/l		98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l		97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l		97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l	#	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l		98
52) Toluene	10.170	92	84571	10.189	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l		94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l		95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l		98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l		98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l		98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l		97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l		99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l		99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l		99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l		99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l		96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l		100
69) o-Xylene	11.956	106	53458	9.521	ug/l		98
70) Styrene	11.969	104	90382	9.588	ug/l		99
71) Bromoform	12.133	173	18480	9.648	ug/l	#	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l		100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	32006	16.711	ug/l	#	100
77) Bromobenzene	12.529	156	36127	9.845	ug/l		97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l		98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l		98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l		100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l		100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l		100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l		98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l		99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l		83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l		98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l		98
95) Naphthalene	15.145	128	48366	7.904	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

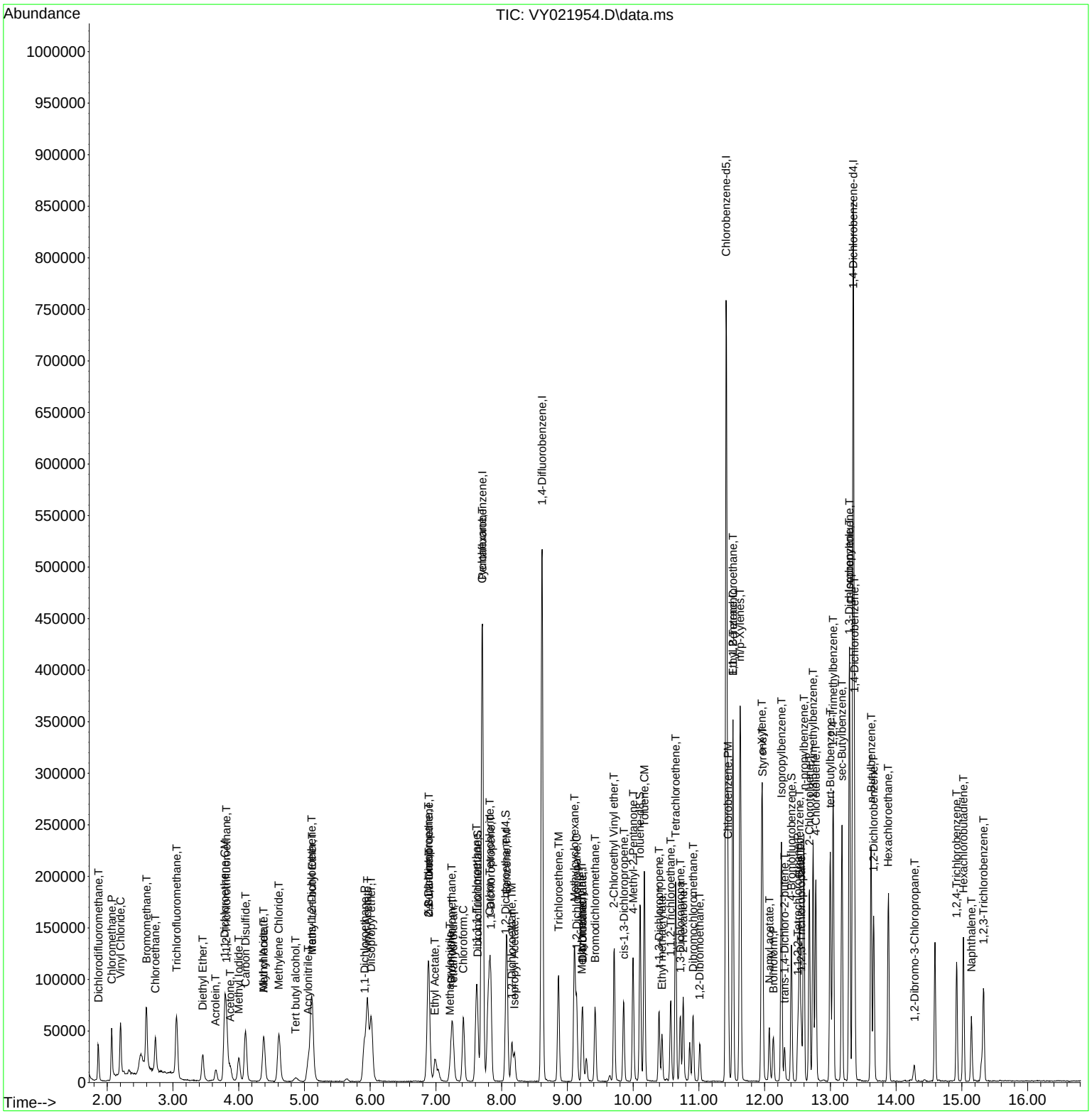
(#) = qualifier out of range (m) = manual integration (+) = signals summed

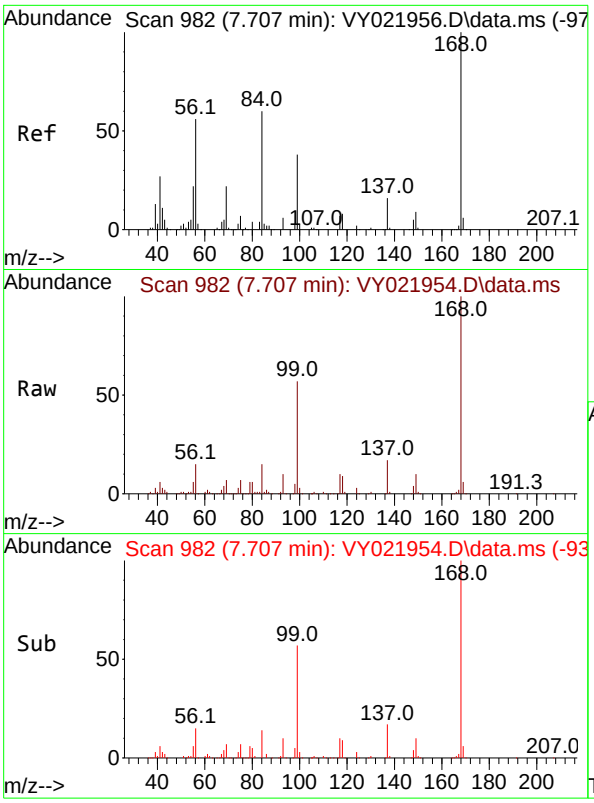
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



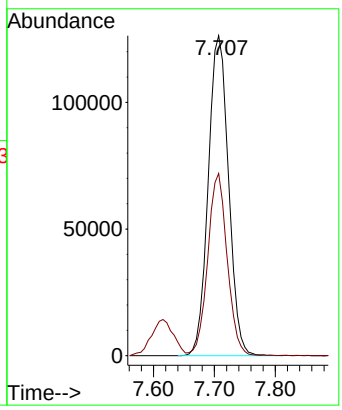


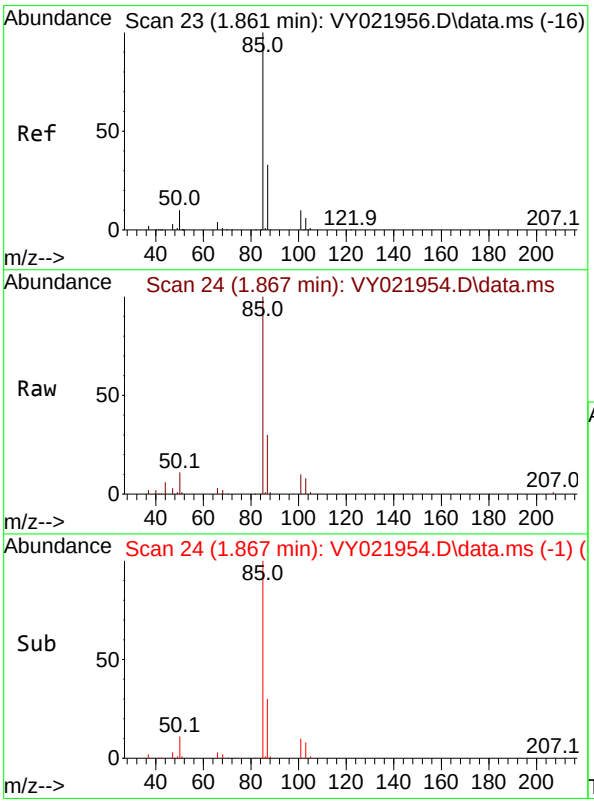
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 292096

Ion	Ratio	Lower	Upper
168	100		
99	56.9	43.1	64.7

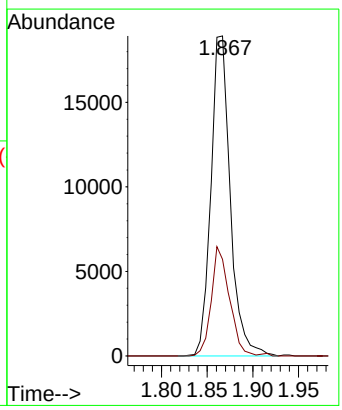


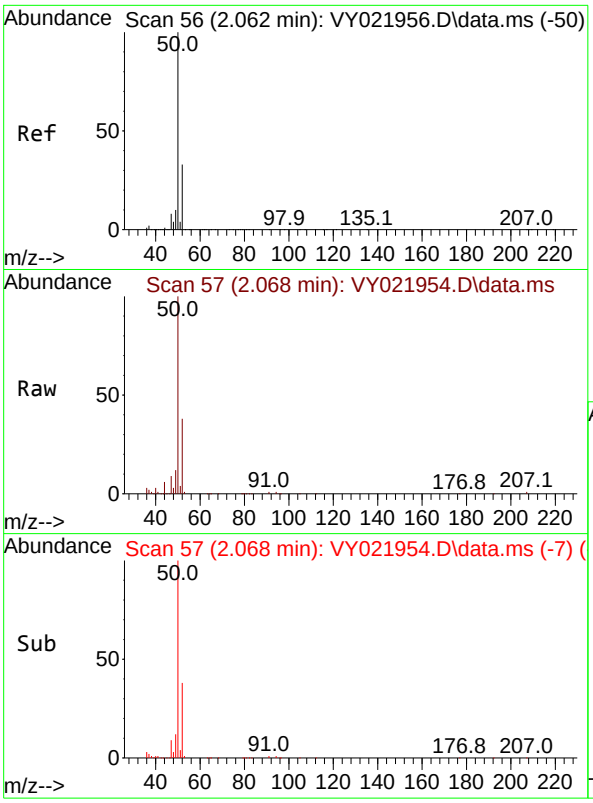


#2
Dichlorodifluoromethane
Concen: 11.202 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 85 Resp: 27882

Ion	Ratio	Lower	Upper
85	100		
87	30.2	16.6	49.7



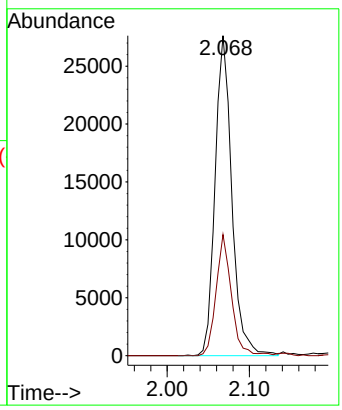


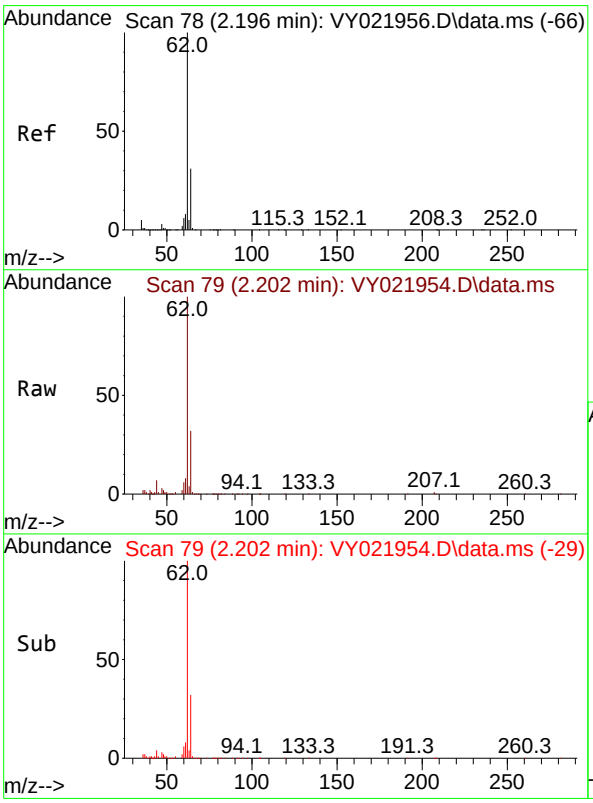
#3
Chloromethane
Concen: 11.052 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 39169

Ion	Ratio	Lower	Upper
50	100		
52	37.8	26.1	39.1

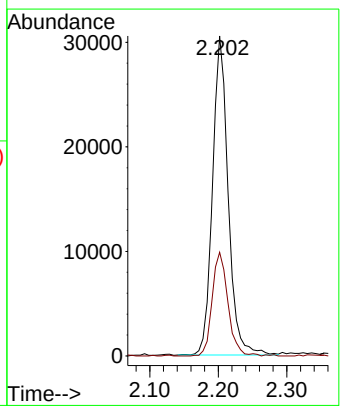


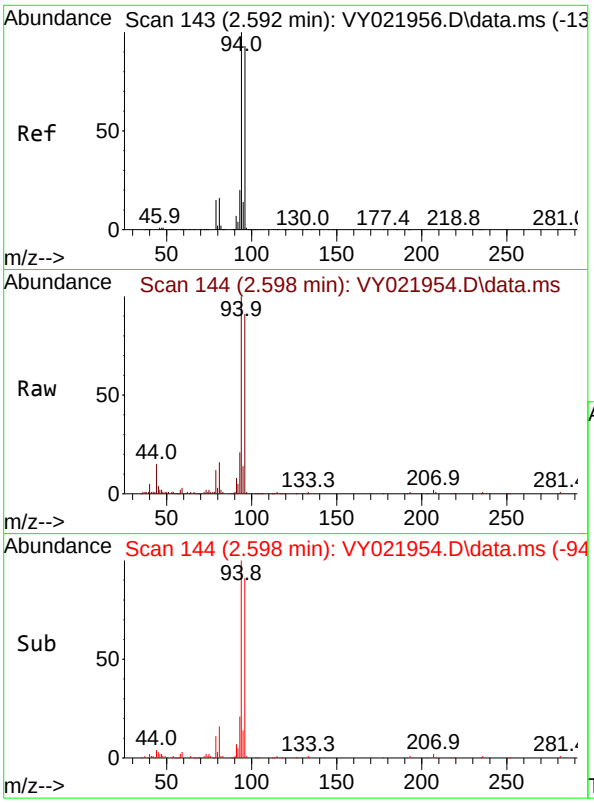


#4
Vinyl Chloride
Concen: 11.131 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 62 Resp: 48475

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.1	37.7



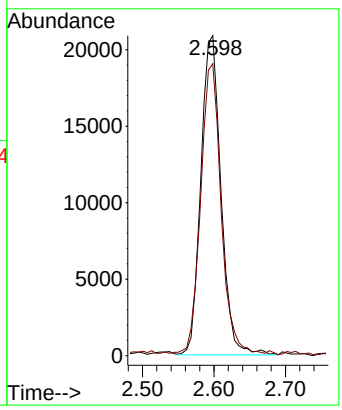


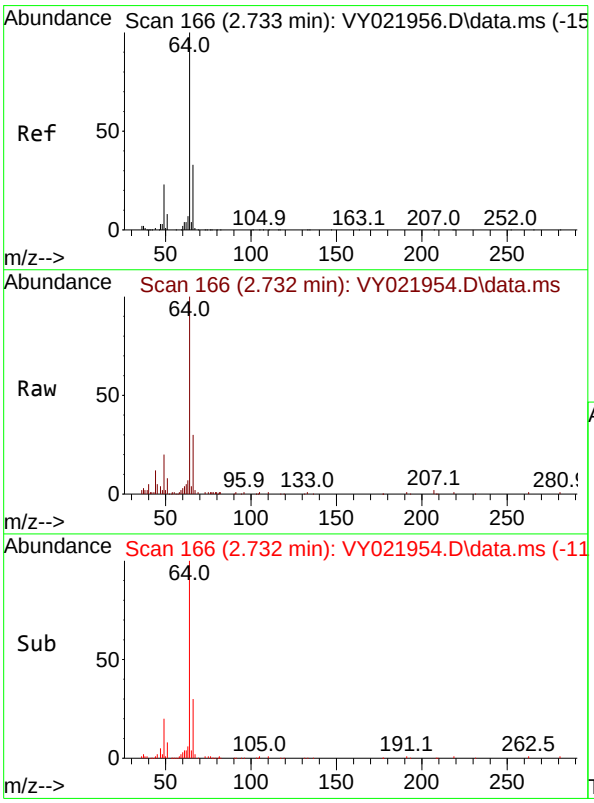
#5
Bromomethane
Concen: 10.859 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 40742

Ion	Ratio	Lower	Upper
94	100		
96	91.1	74.6	111.8

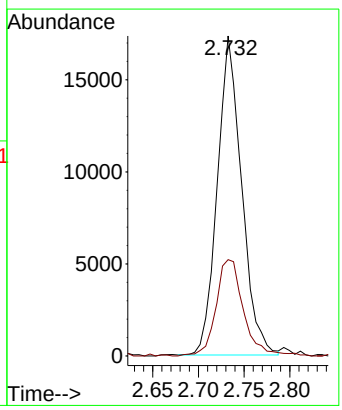


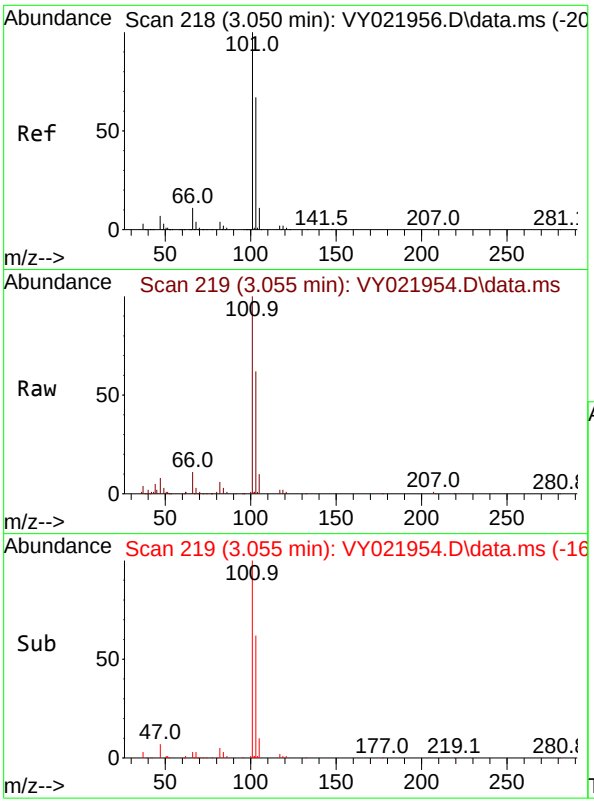


#6
Chloroethane
Concen: 10.830 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 64 Resp: 32122

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.2	39.4



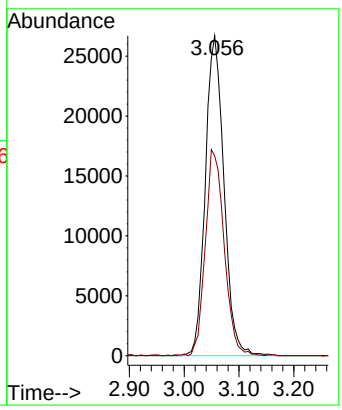


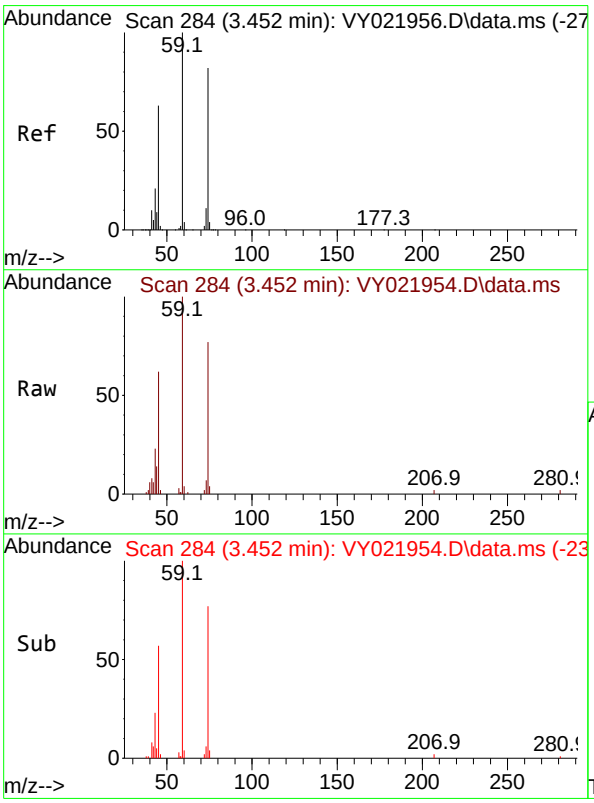
#7
Trichlorofluoromethane
Concen: 10.939 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 62819

Ion	Ratio	Lower	Upper
101	100		
103	62.4	53.6	80.4

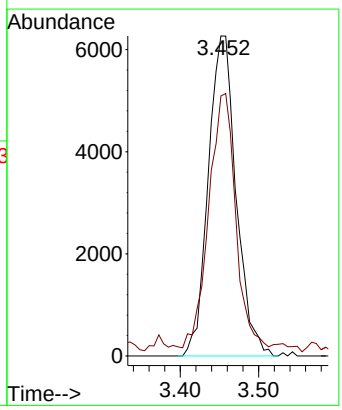


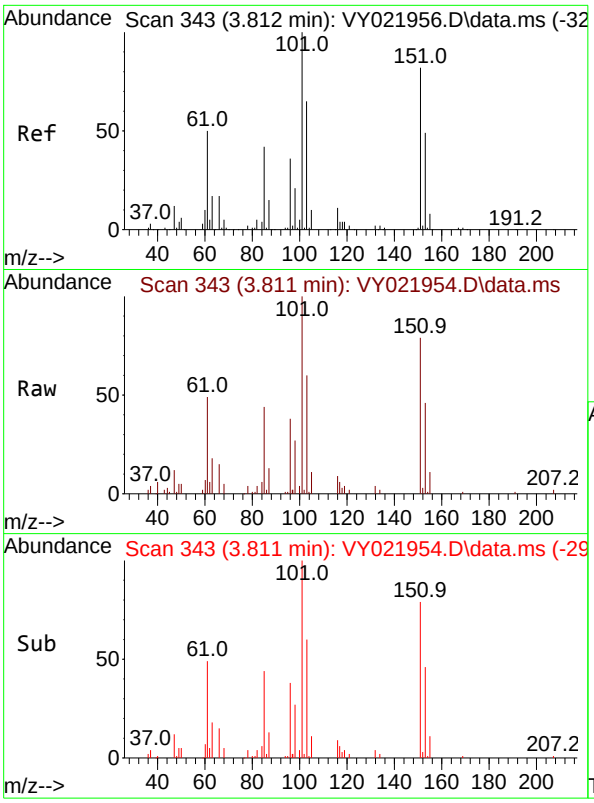


#8
Diethyl Ether
Concen: 10.381 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 74 Resp: 15517

Ion	Ratio	Lower	Upper
74	100		
45	76.1	39.1	117.5



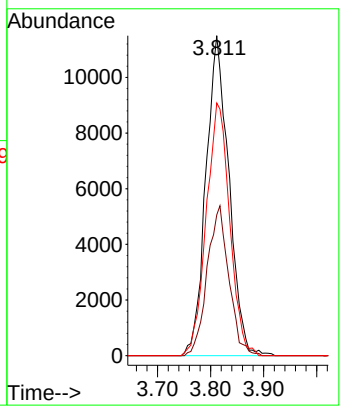


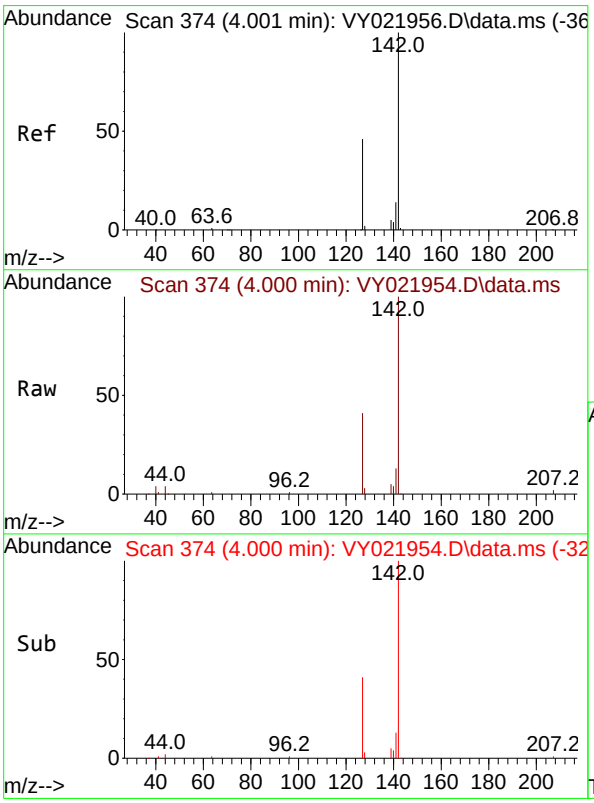
#9
1,1,2-Trichlorotrifluoroethane
Concen: 11.088 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 34542

Ion	Ratio	Lower	Upper
101	100		
85	44.3	34.6	51.8
151	80.6	63.7	95.5

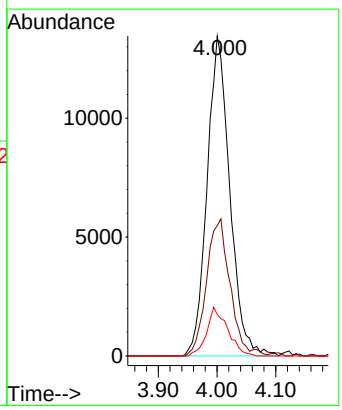


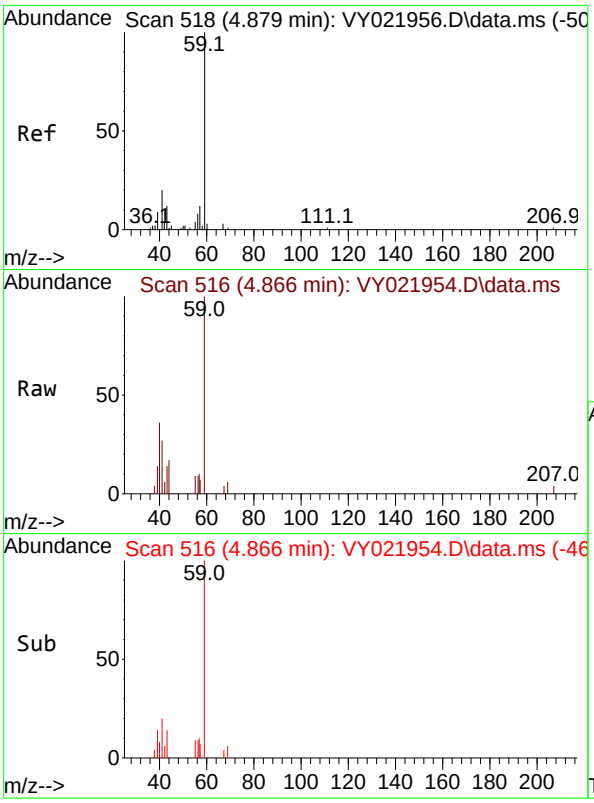


#10
Methyl Iodide
Concen: 10.021 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:142 Resp: 36146

Ion	Ratio	Lower	Upper
142	100		
127	44.3	36.2	54.2
141	14.0	11.7	17.5



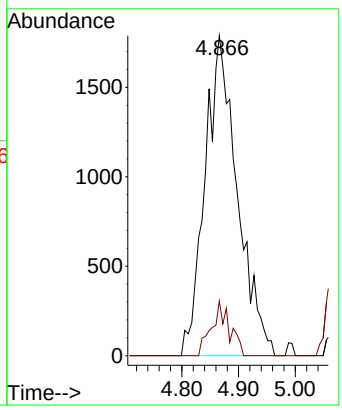


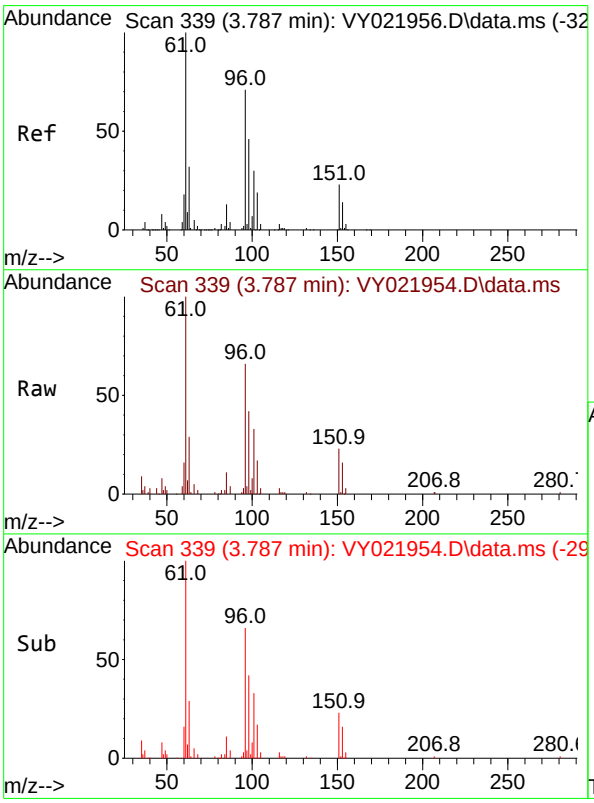
#11
Tert butyl alcohol
Concen: 47.846 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 7087

Ion	Ratio	Lower	Upper
59	100		
57	9.5	9.3	13.9

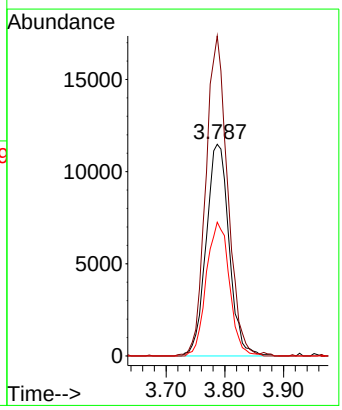


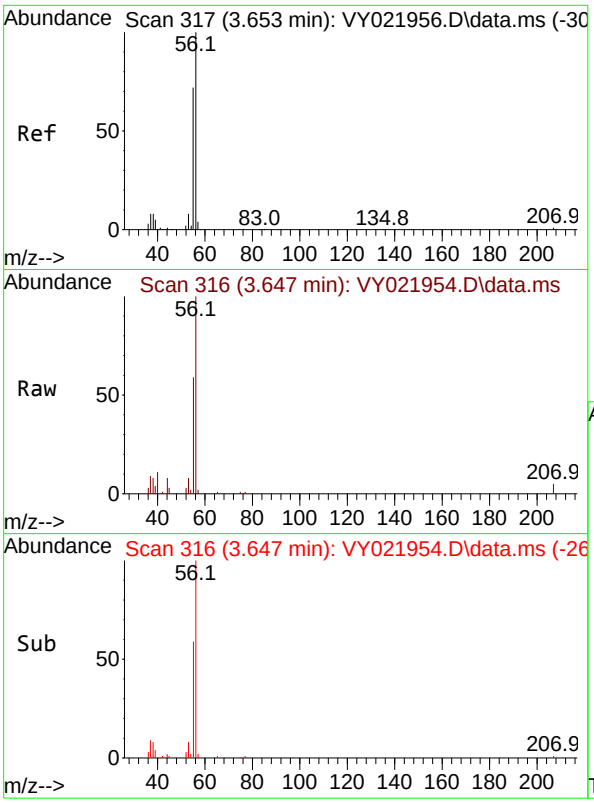


#12
1,1-Dichloroethene
Concen: 10.701 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 96 Resp: 31073

Ion	Ratio	Lower	Upper
96	100		
61	151.2	113.0	169.4
98	63.2	51.4	77.2



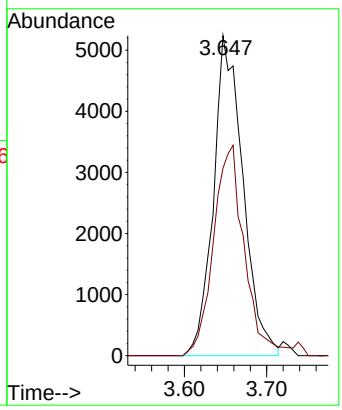


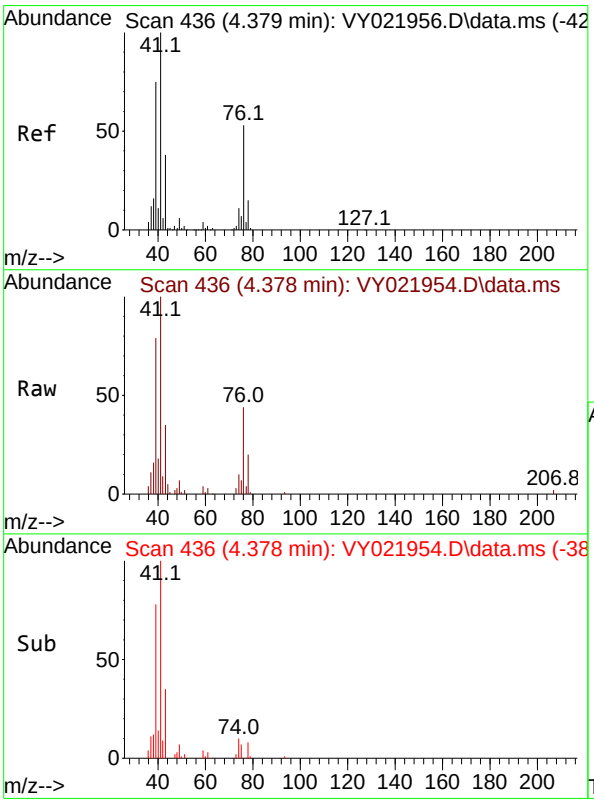
#13
Acrolein
Concen: 49.243 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 13091

Ion	Ratio	Lower	Upper
56	100		
55	68.5	57.4	86.0

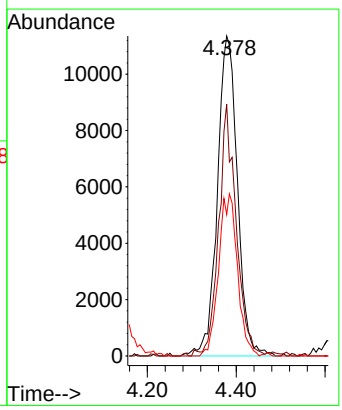


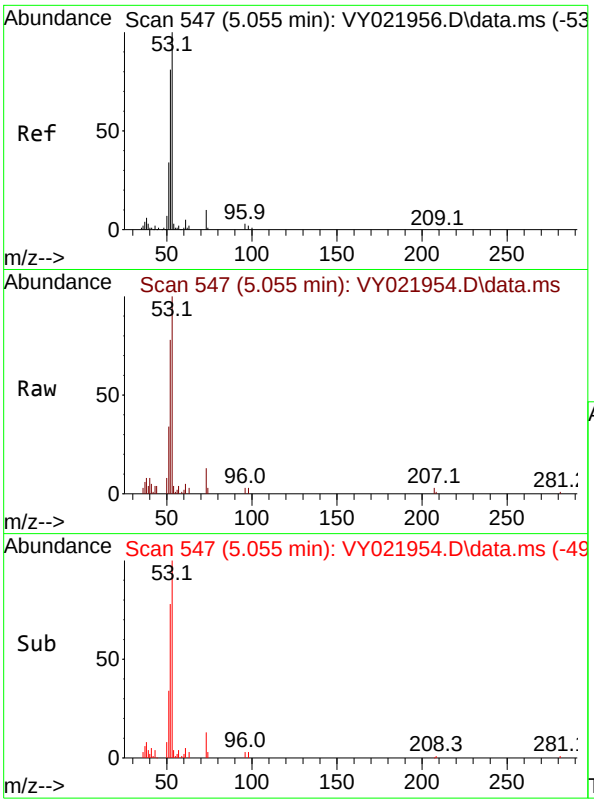


#14
Allyl chloride
Concen: 10.487 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 41 Resp: 35457

Ion	Ratio	Lower	Upper
41	100		
39	68.6	57.2	85.8
76	47.6	39.7	59.5



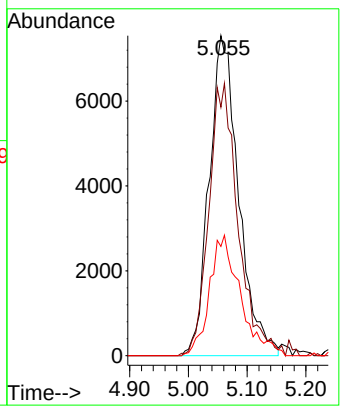


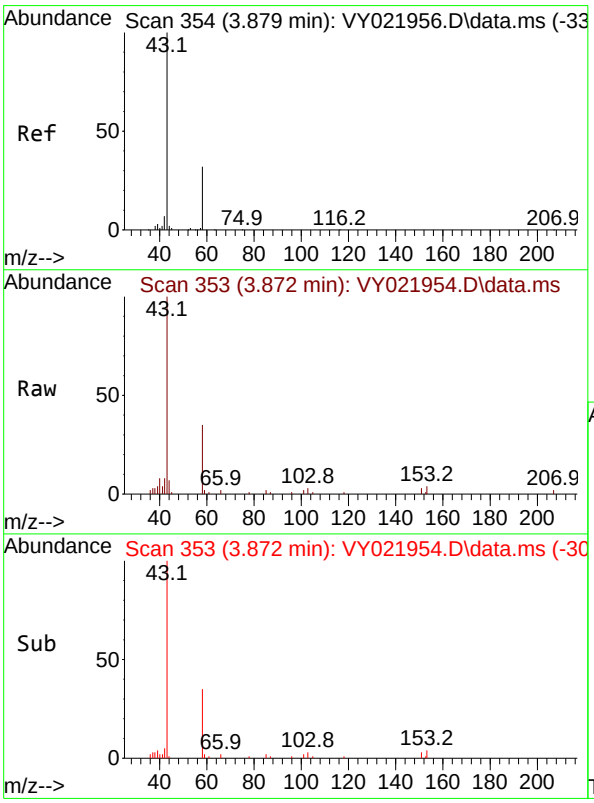
#15
Acrylonitrile
Concen: 48.088 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 26314

Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.0	97.6
51	39.3	28.9	43.3

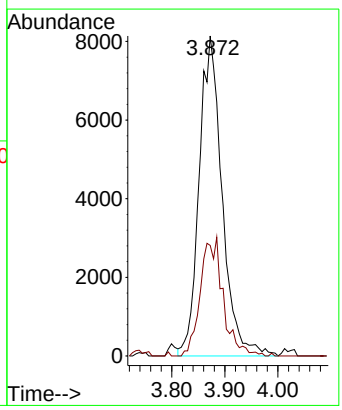


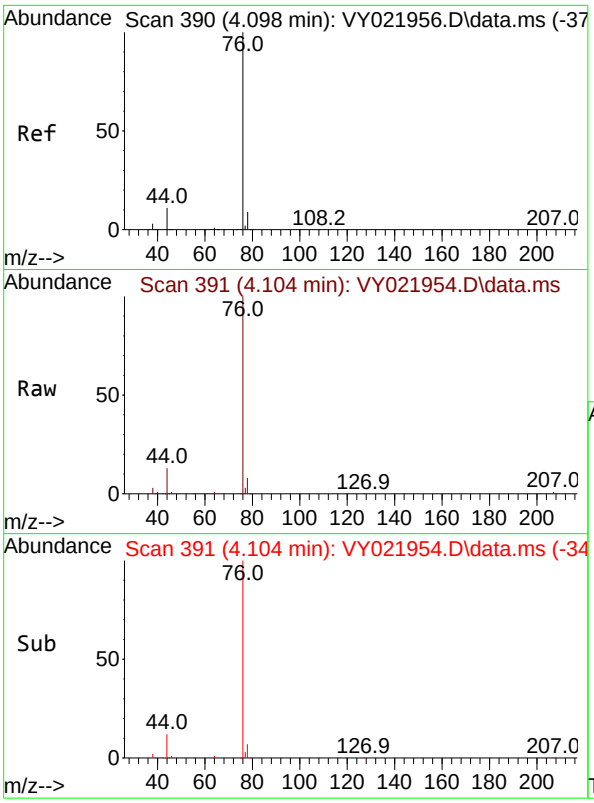


#16
Acetone
Concen: 52.492 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 24497

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4



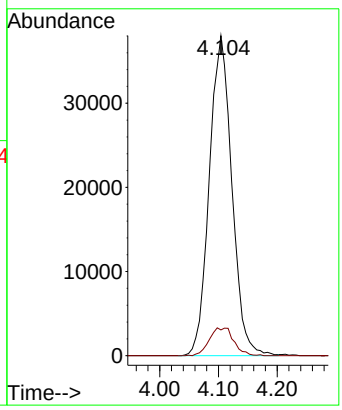


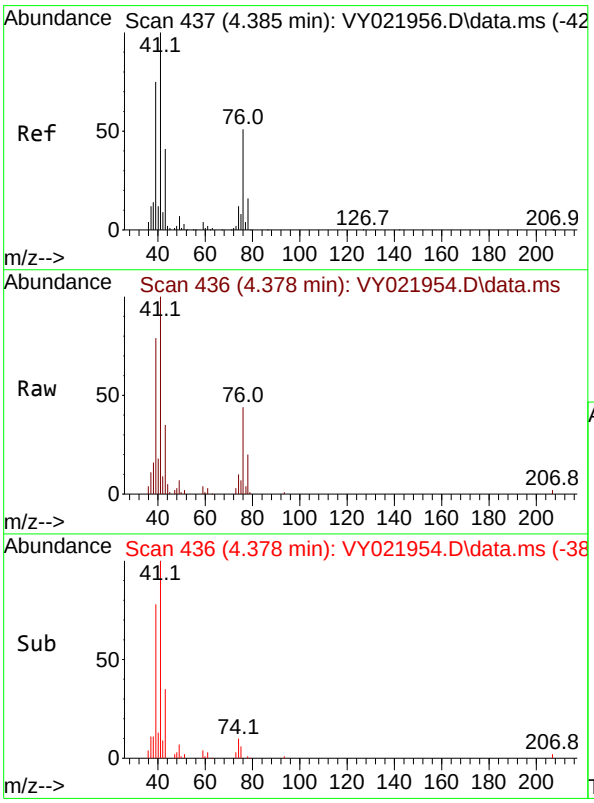
#17
Carbon Disulfide
Concen: 10.962 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 101496

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.6	11.4

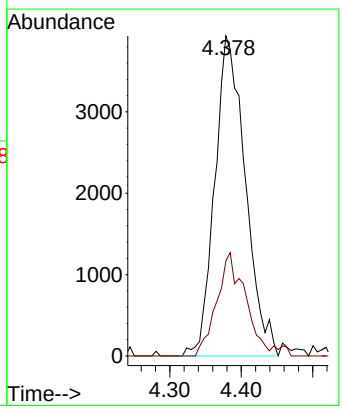


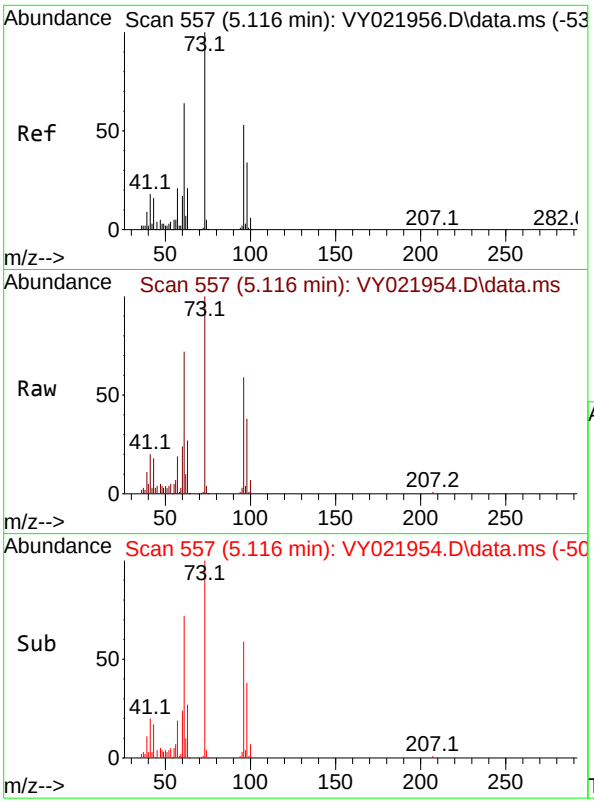


#18
Methyl Acetate
Concen: 9.273 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 11687

Ion	Ratio	Lower	Upper
43	100		
74	29.9	24.2	36.4



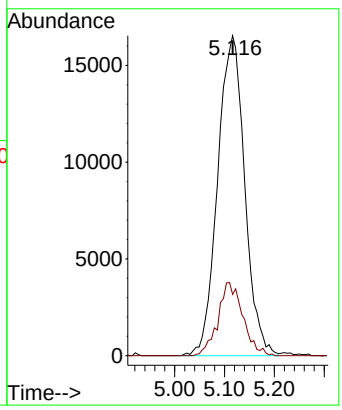


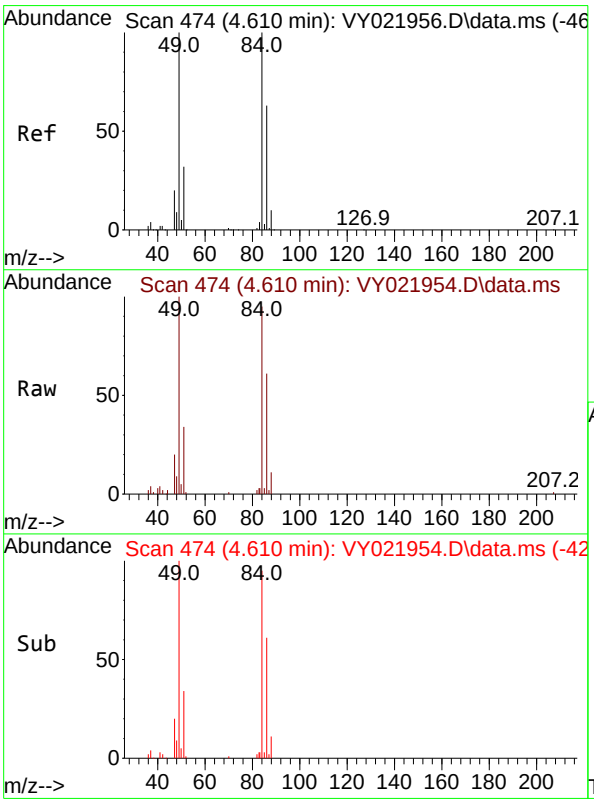
#19
Methyl tert-butyl Ether
Concen: 9.587 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 62306

Ion	Ratio	Lower	Upper
73	100		
57	19.2	16.9	25.3

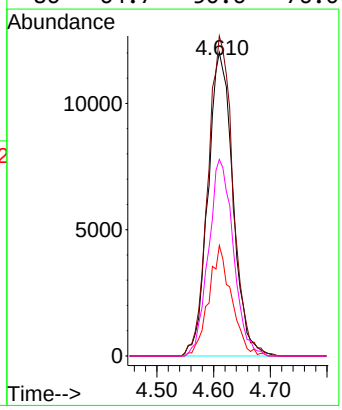


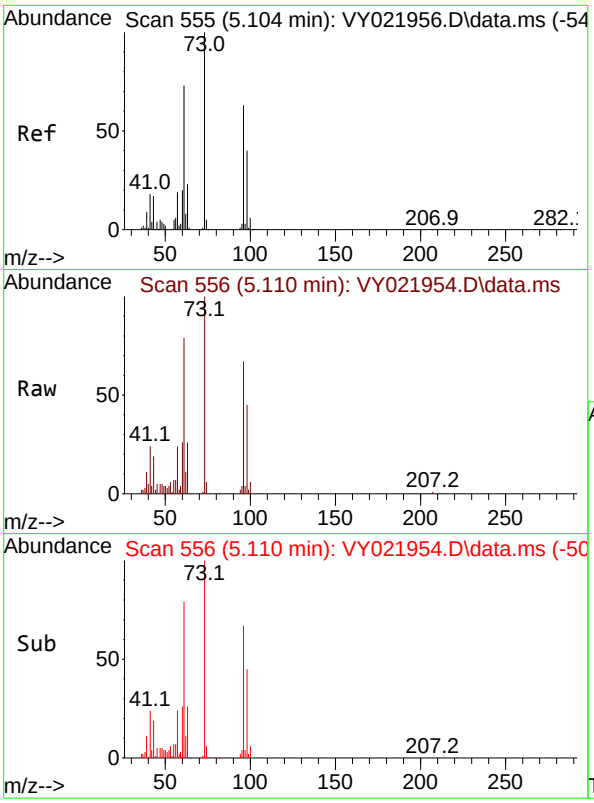


#20
Methylene Chloride
Concen: 10.710 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 84 Resp: 36539

Ion	Ratio	Lower	Upper
84	100		
49	105.4	79.9	119.9
51	36.3	25.4	38.0
86	64.7	50.6	76.0



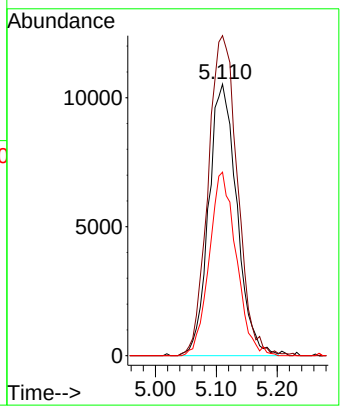


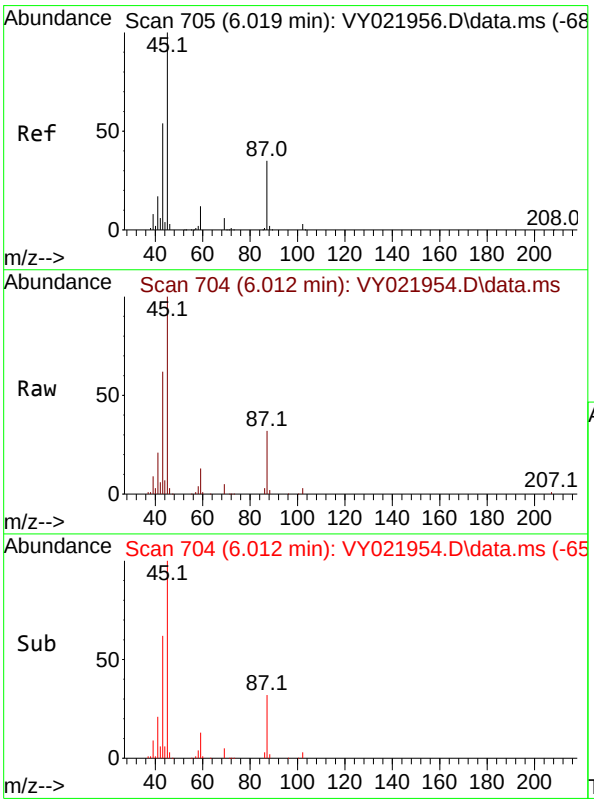
#21
trans-1,2-Dichloroethene
Concen: 10.379 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 33752

Ion	Ratio	Lower	Upper
96	100		
61	117.9	92.6	138.8
98	67.6	50.2	75.4

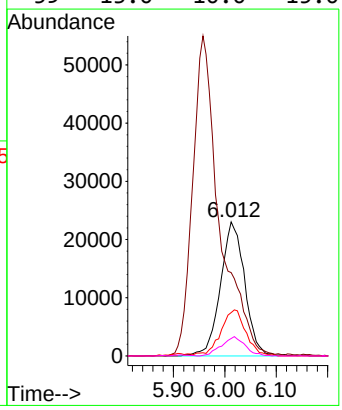


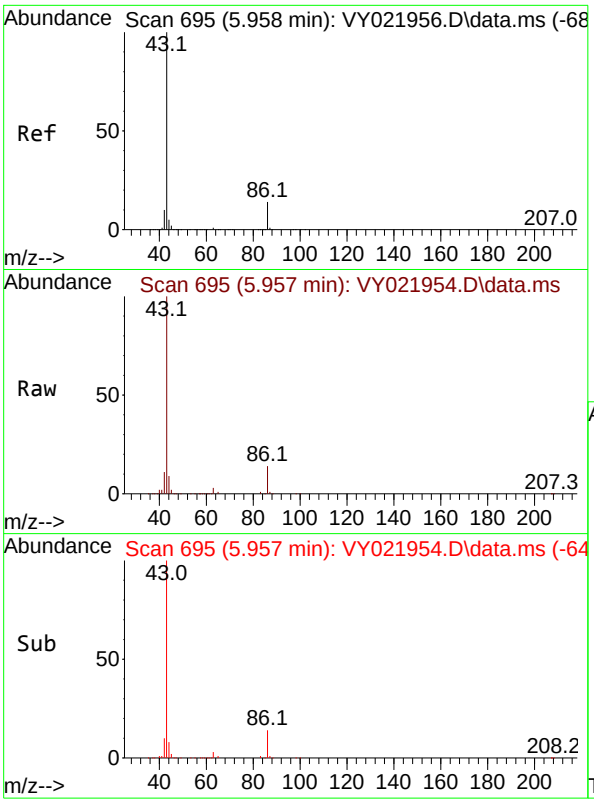


#22
Diisopropyl ether
Concen: 10.028 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 45 Resp: 75451

Ion	Ratio	Lower	Upper
45	100		
43	60.5	43.6	65.4
87	32.4	28.2	42.4
59	13.0	10.0	15.0



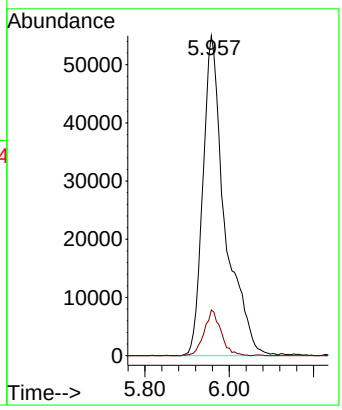


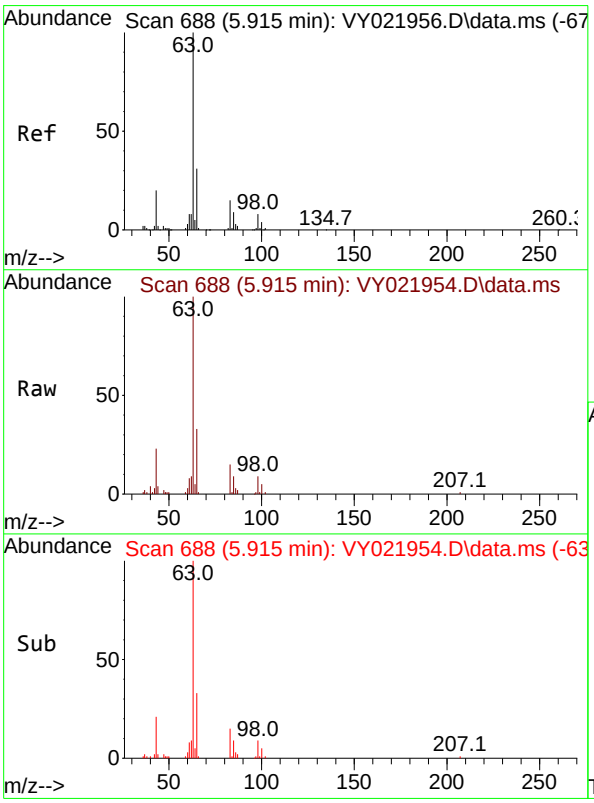
#23
Vinyl Acetate
Concen: 49.260 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 199753

Ion	Ratio	Lower	Upper
43	100		
86	14.3	11.1	16.7

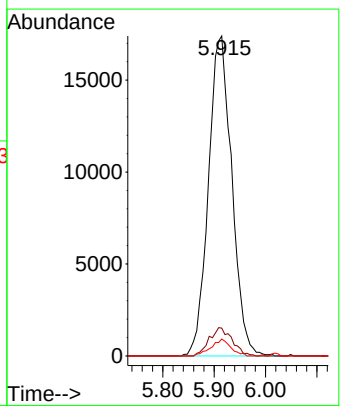


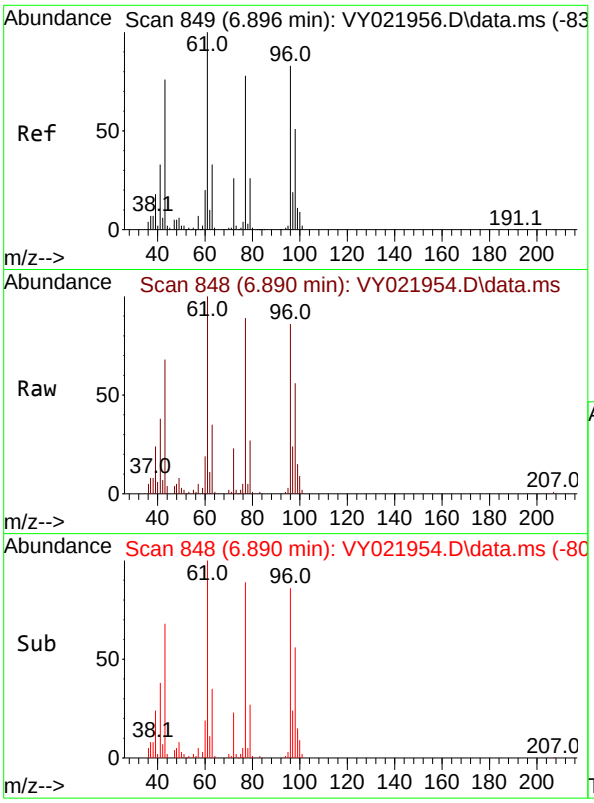


#24
1,1-Dichloroethane
Concen: 10.558 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 63 Resp: 55067

Ion	Ratio	Lower	Upper
63	100		
98	8.7	4.0	11.9
100	5.3	2.0	6.0



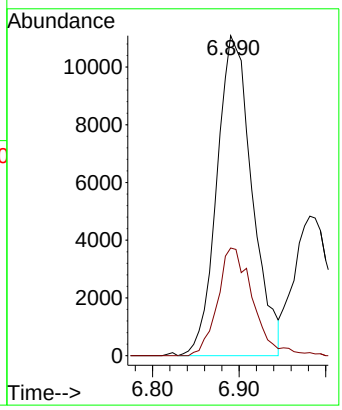


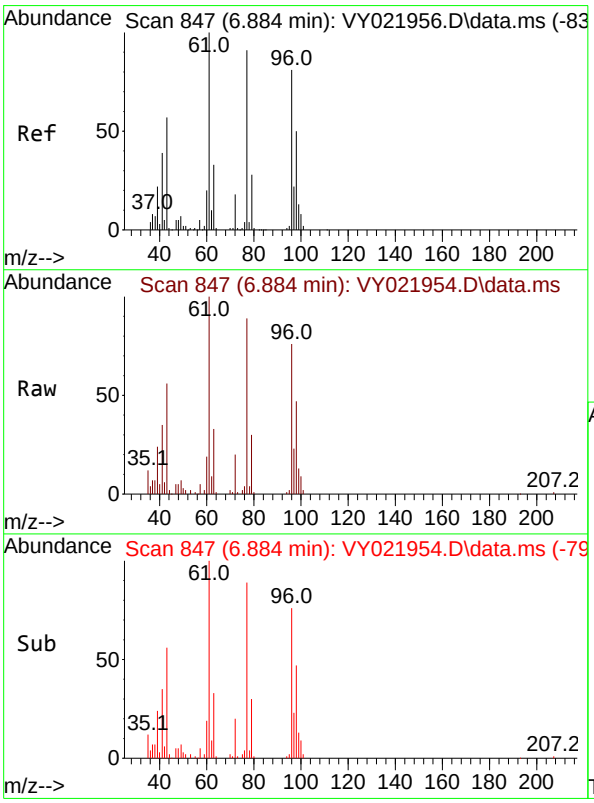
#25
2-Butanone
Concen: 50.973 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 31349

Ion	Ratio	Lower	Upper
43	100		
72	33.6	27.0	40.4

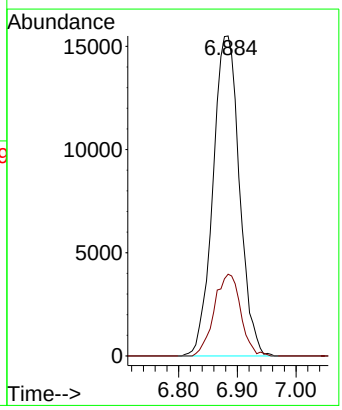


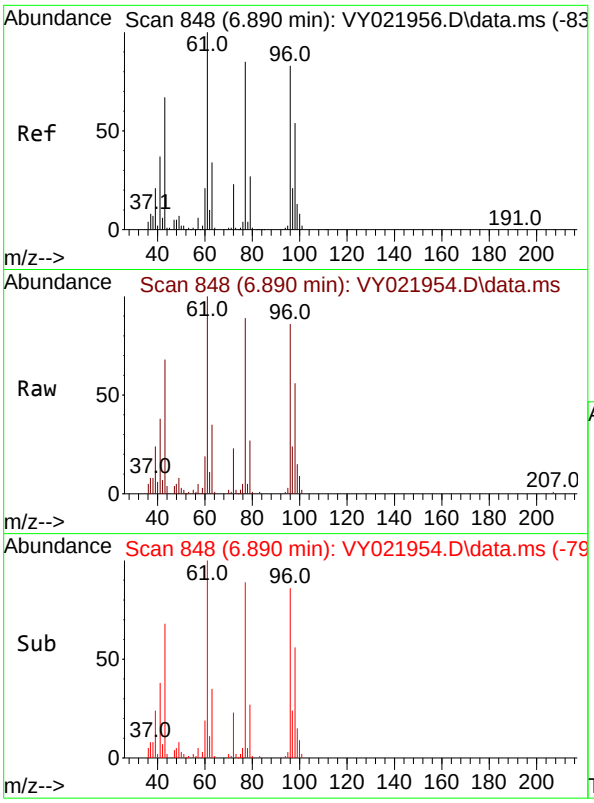


#26
2,2-Dichloropropane
Concen: 10.610 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 77 Resp: 48501

Ion	Ratio	Lower	Upper
77	100		
97	25.5	12.4	37.4



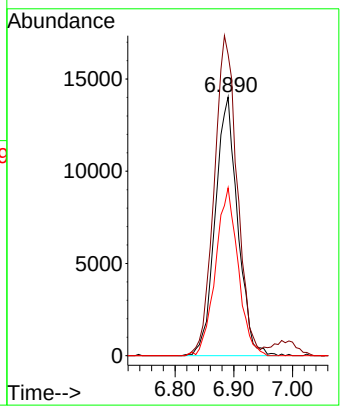


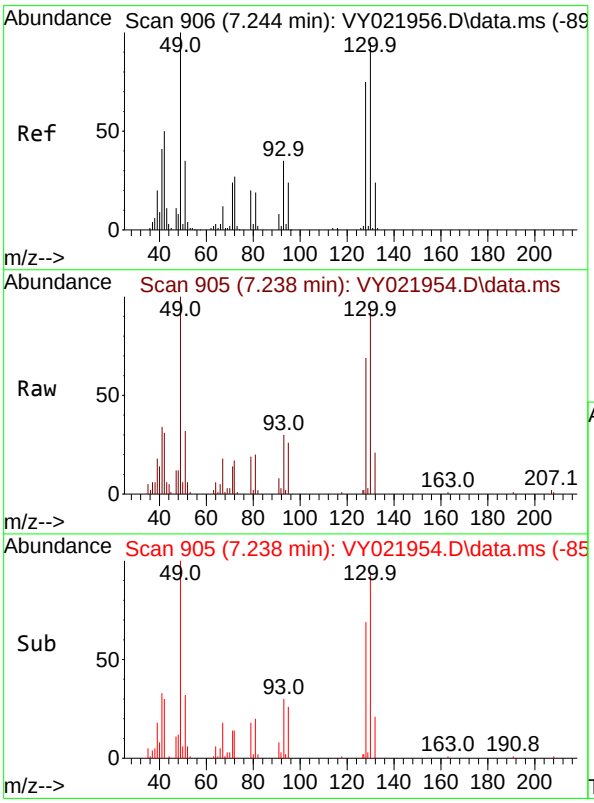
#27
cis-1,2-Dichloroethene
Concen: 10.253 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 37281

Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	251.4
98	65.1	0.0	128.4

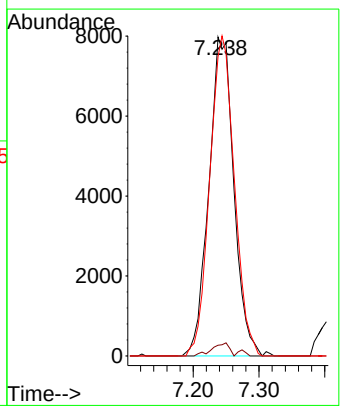


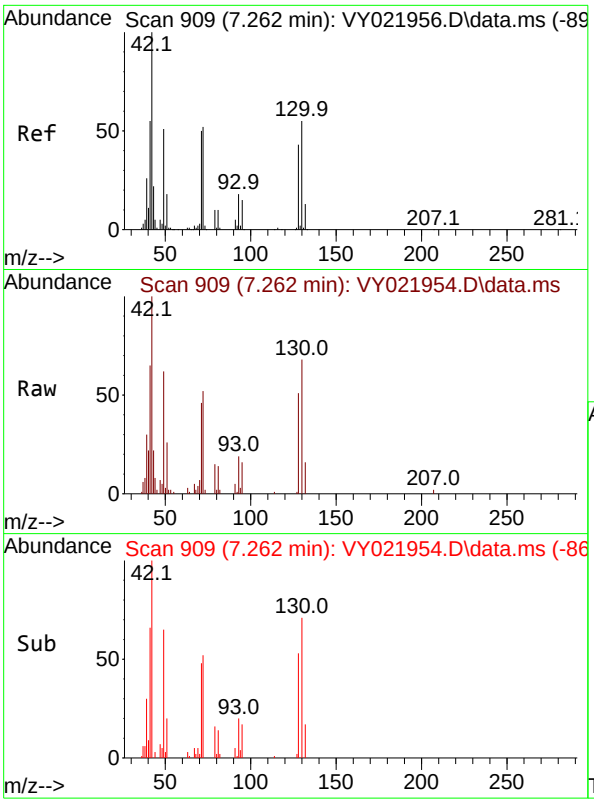


#28
Bromochloromethane
Concen: 10.426 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 49 Resp: 21122

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	98.7	78.2	117.4



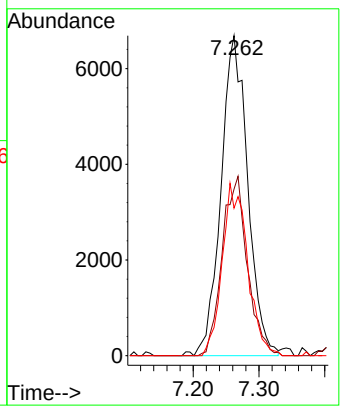


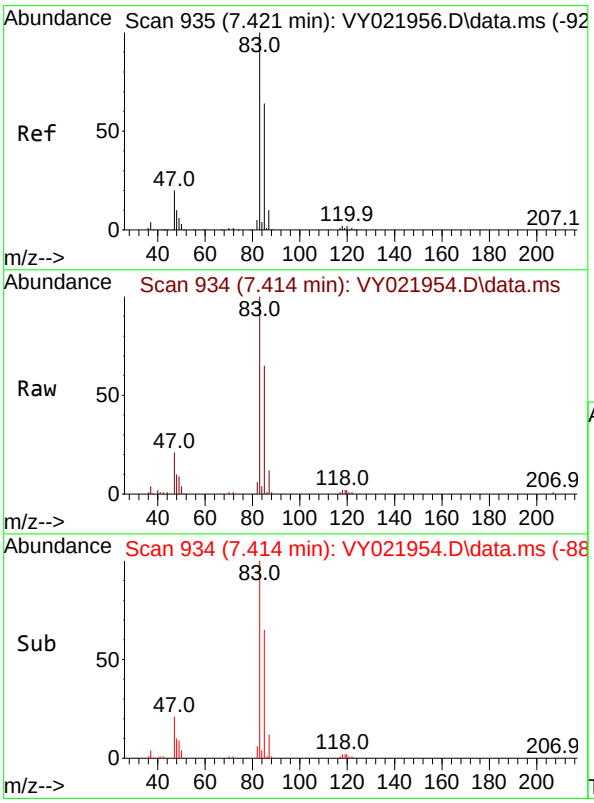
#29
Tetrahydrofuran
Concen: 47.274 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 18883

Ion	Ratio	Lower	Upper
42	100		
72	53.0	42.6	63.8
71	51.0	40.6	61.0

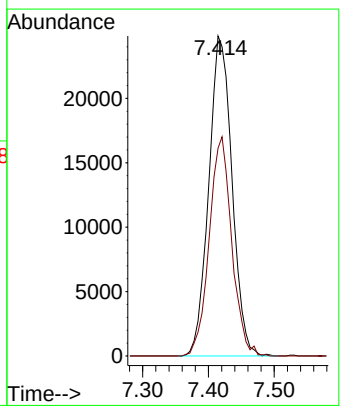


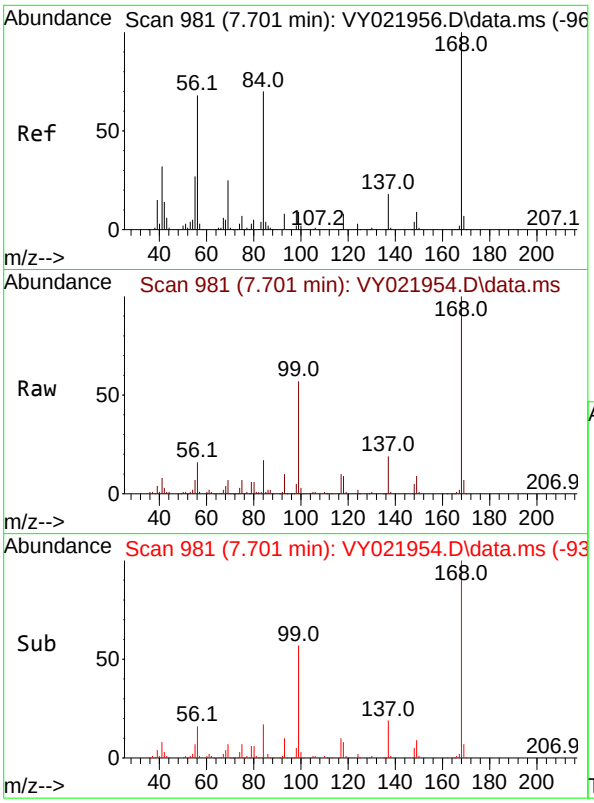


#30
Chloroform
Concen: 10.559 ug/l
RT: 7.414 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 83 Resp: 61088

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9



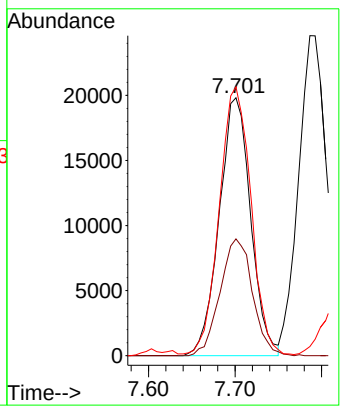


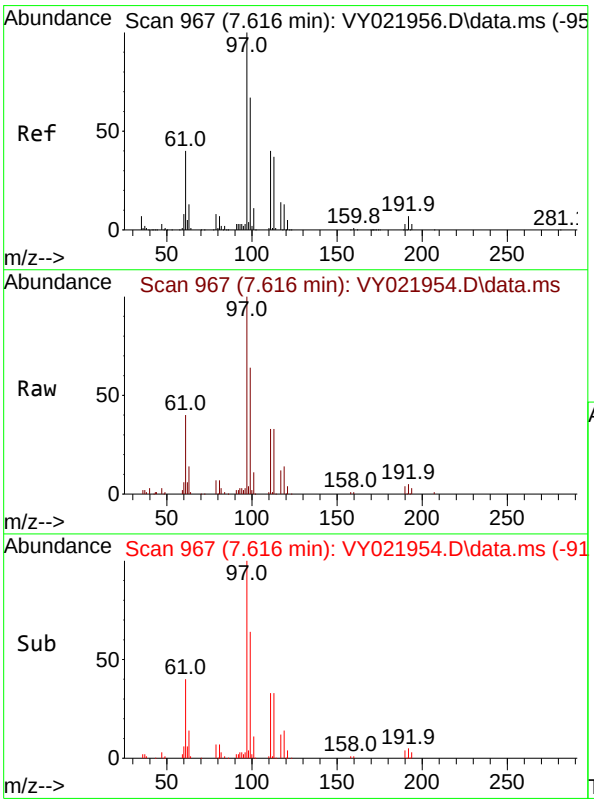
#31
Cyclohexane
Concen: 11.229 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 50083

Ion	Ratio	Lower	Upper
56	100		
69	45.3	29.4	44.2#
84	103.5	82.2	123.4

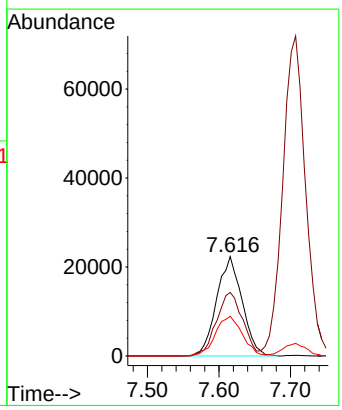


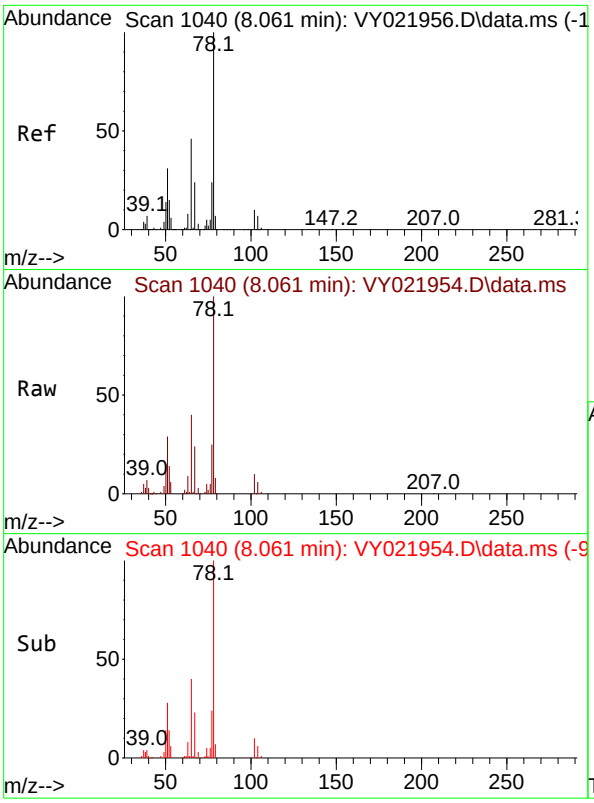


#32
1,1,1-Trichloroethane
Concen: 10.540 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 97 Resp: 55163

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.2
61	42.0	31.4	47.2



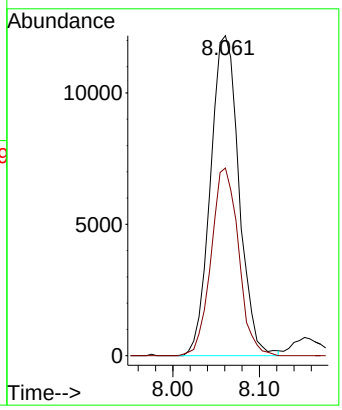


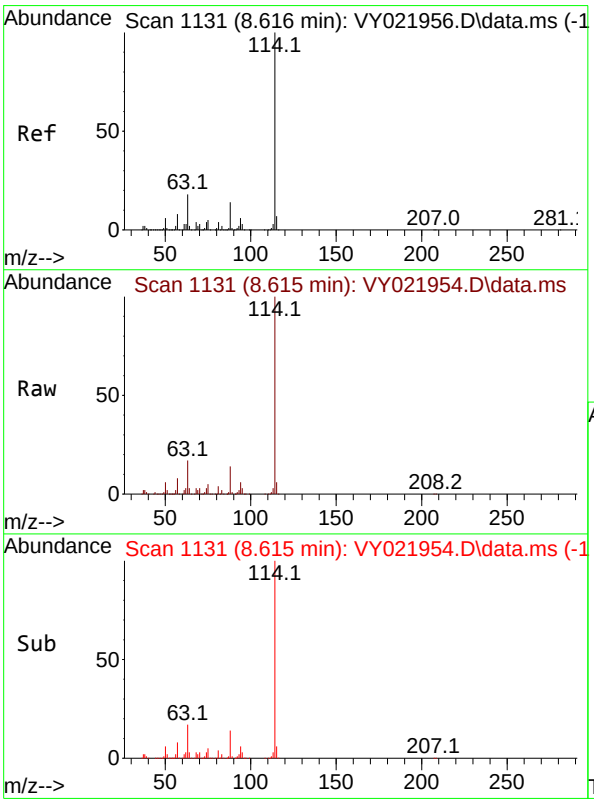
#33
1,2-Dichloroethane-d4
Concen: 10.325 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 27856

Ion	Ratio	Lower	Upper
65	100		
67	56.4	0.0	105.8

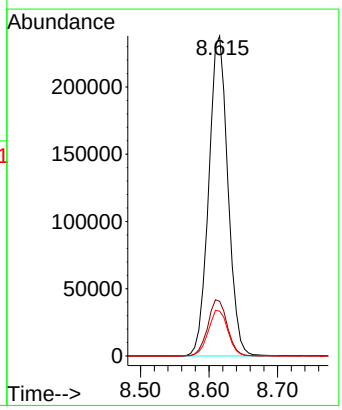


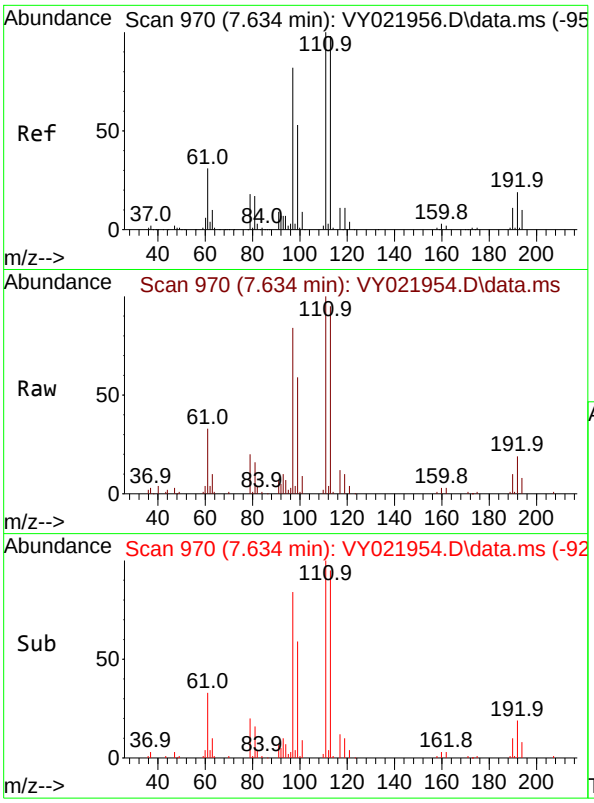


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:114 Resp: 462235

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	35.4
88	14.0	0.0	28.2



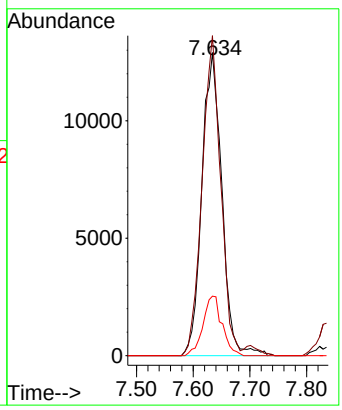


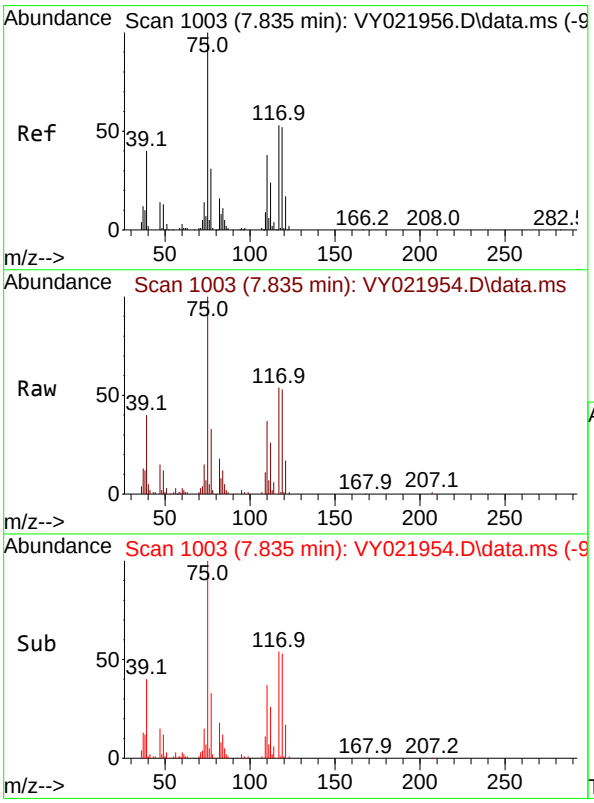
#35
Dibromofluoromethane
Concen: 10.335 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 31560

Ion	Ratio	Lower	Upper
113	100		
111	98.0	81.8	122.8
192	18.8	15.6	23.4

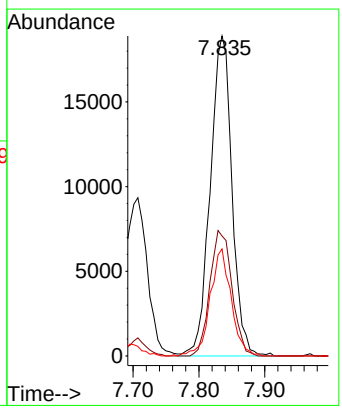


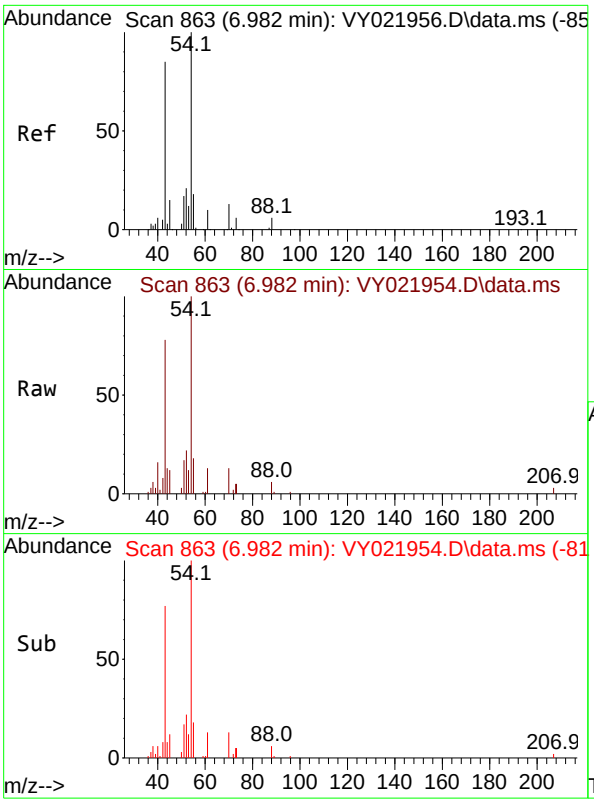


#36
1,1-Dichloropropene
Concen: 10.604 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 43496

Ion	Ratio	Lower	Upper
75	100		
110	39.7	19.1	57.3
77	32.3	25.5	38.3



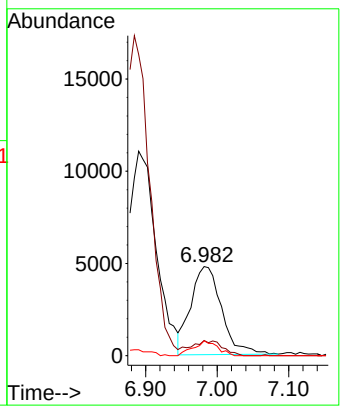


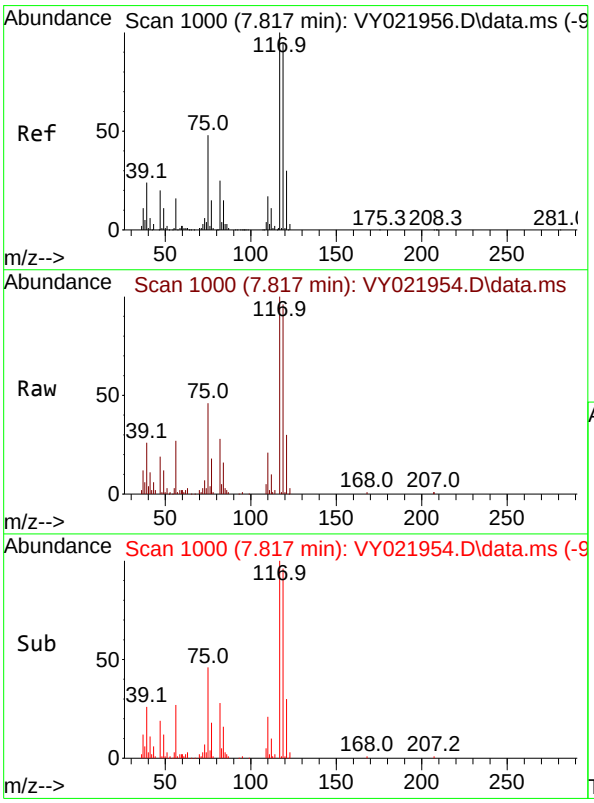
#37
Ethyl Acetate
Concen: 9.878 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 14357

Ion	Ratio	Lower	Upper
43	100		
61	15.3	13.8	20.6
70	13.1	9.2	13.8

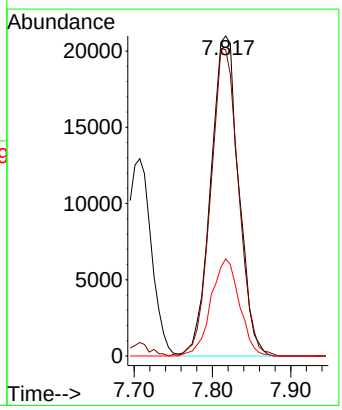


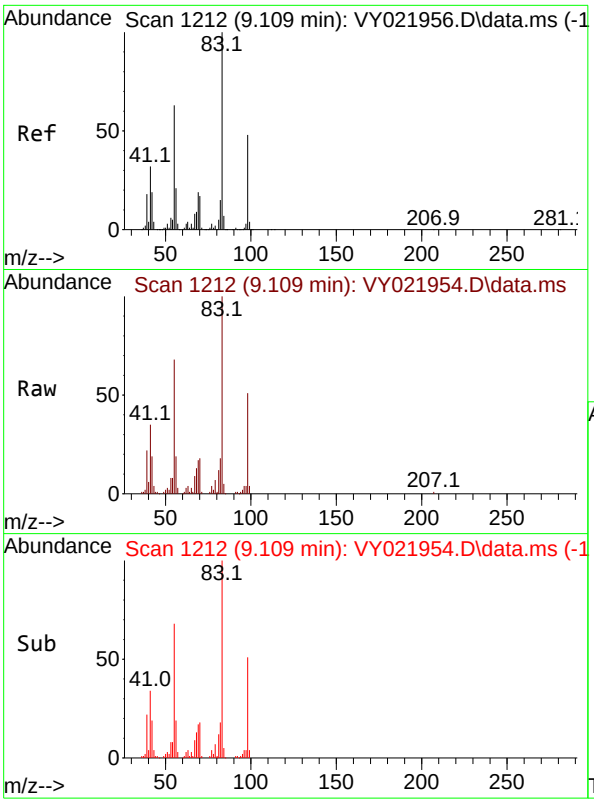


#38
Carbon Tetrachloride
Concen: 10.625 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:117 Resp: 52079

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.2	114.4
121	30.4	24.0	36.0



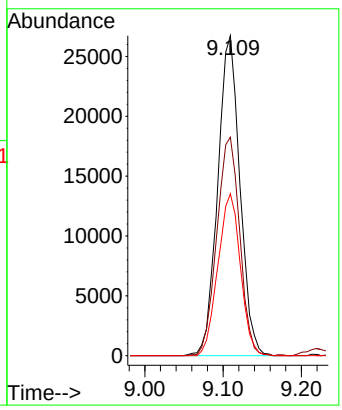


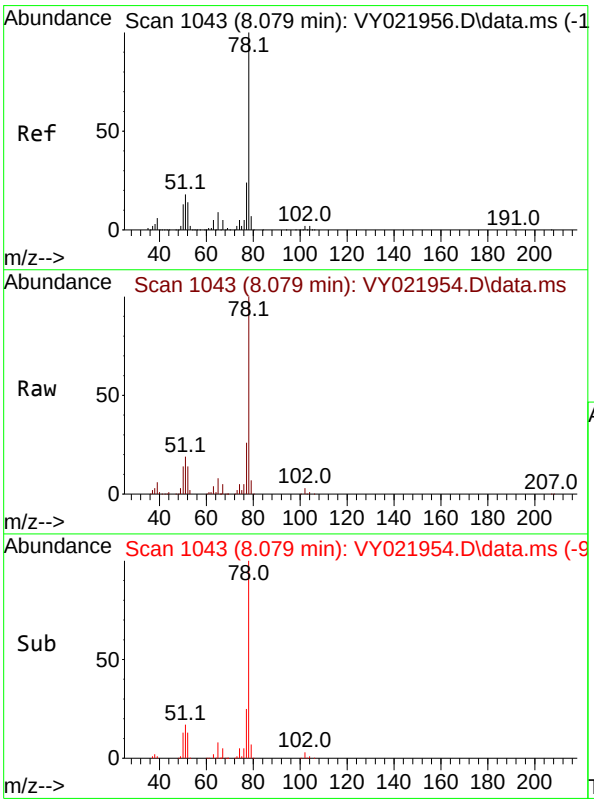
#39
Methylcyclohexane
Concen: 10.194 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 52625

Ion	Ratio	Lower	Upper
83	100		
55	68.3	50.6	75.8
98	50.6	38.6	58.0

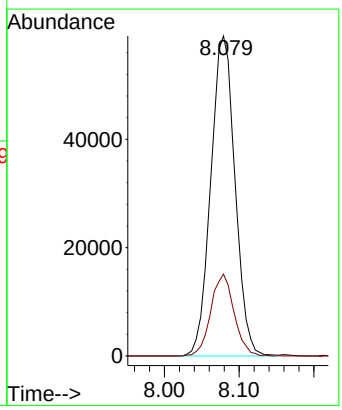


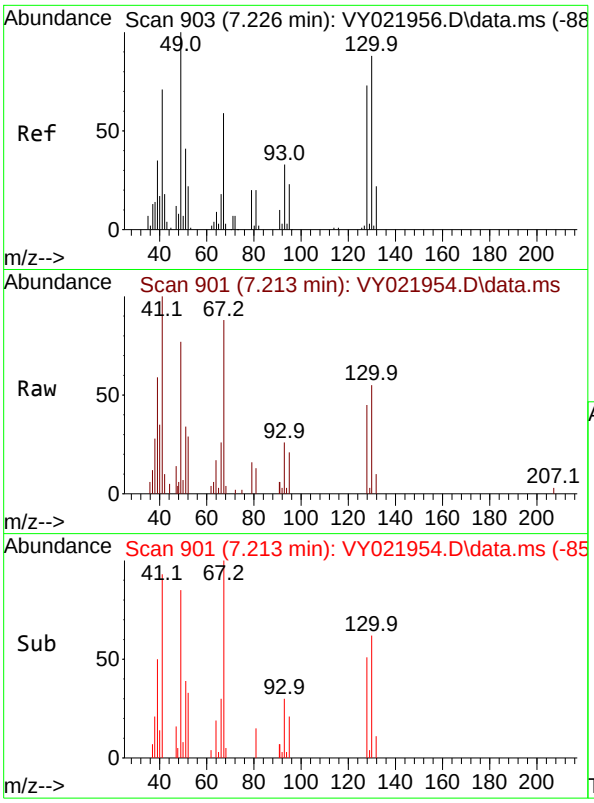


#40
Benzene
Concen: 10.373 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 78 Resp: 133010

Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.3	28.9



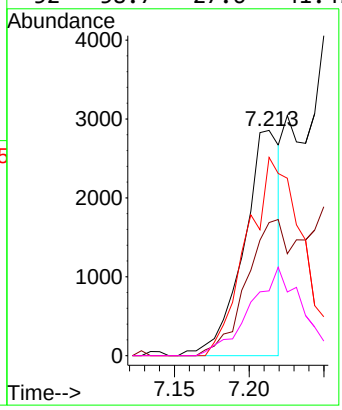


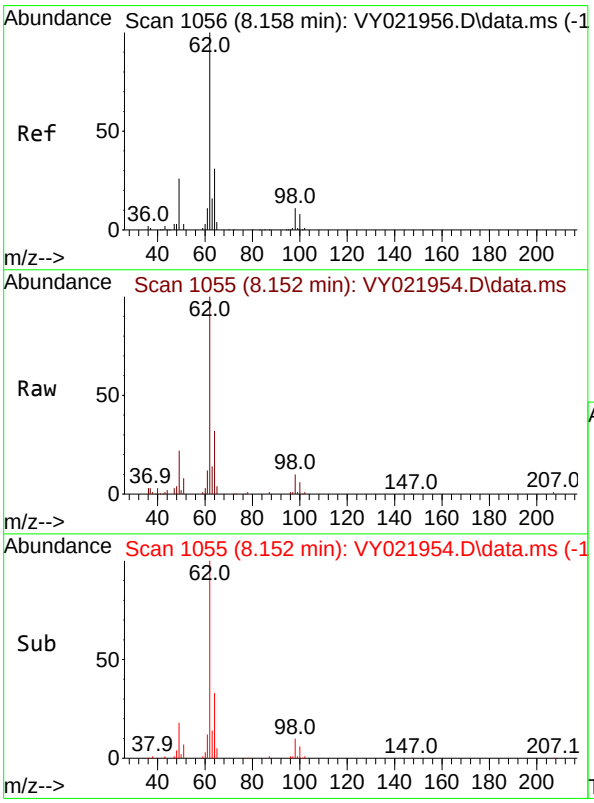
#41
Methacrylonitrile
Concen: 5.978 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 4816

Ion	Ratio	Lower	Upper
41	100		
39	67.2	36.6	55.0#
67	139.7	72.2	108.4#
52	58.7	27.6	41.4#

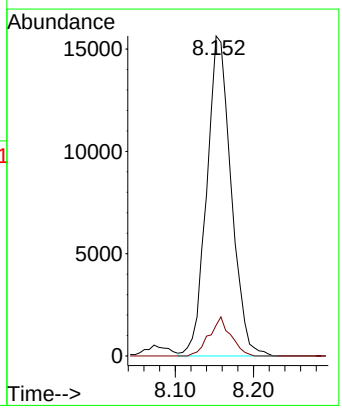


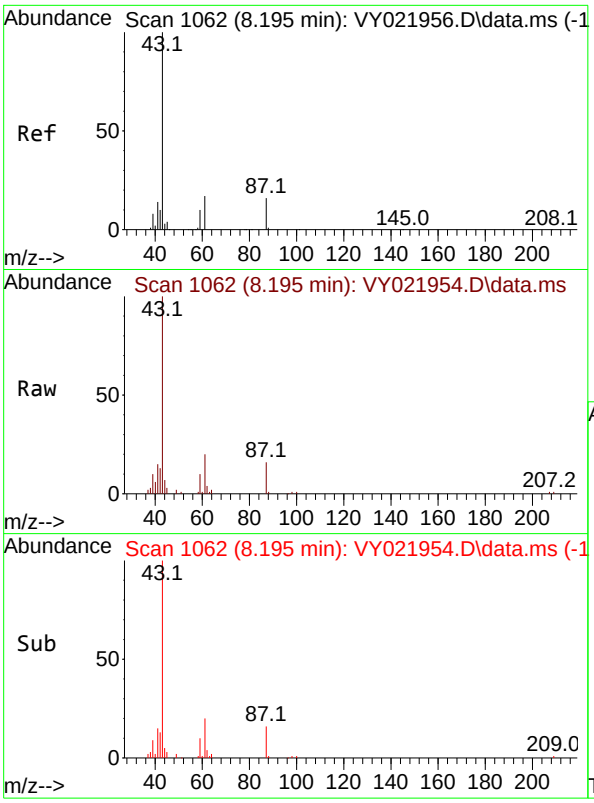


#42
1,2-Dichloroethane
Concen: 10.690 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 62 Resp: 33939

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0



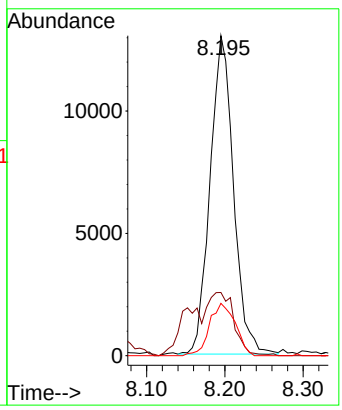


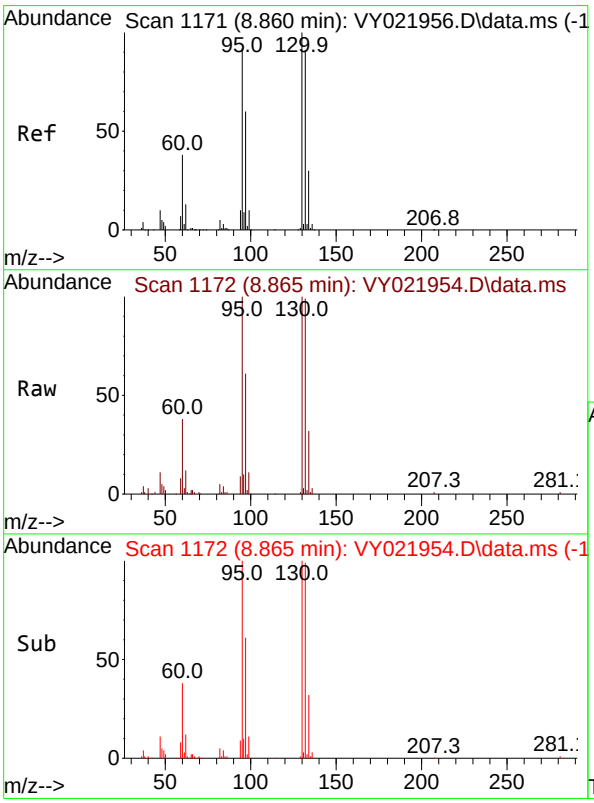
#43
Isopropyl Acetate
Concen: 9.574 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 27087

Ion	Ratio	Lower	Upper
43	100		
61	22.7	18.9	28.3
87	18.1	13.7	20.5

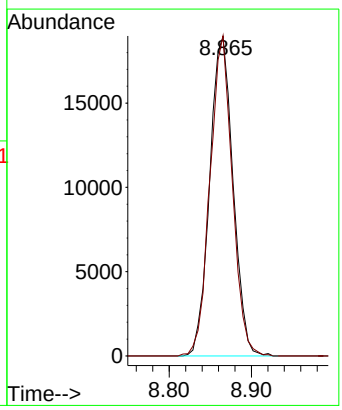


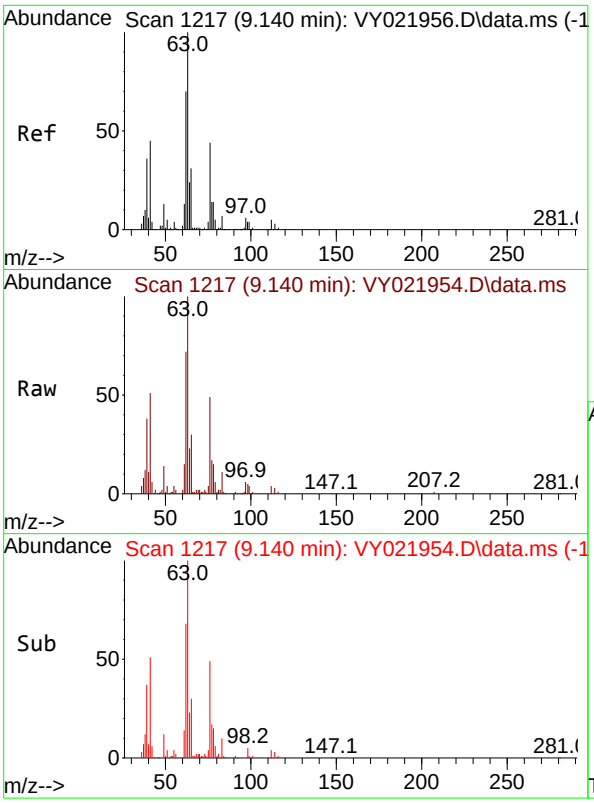


#44
Trichloroethene
Concen: 10.534 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:130 Resp: 37414

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	183.2



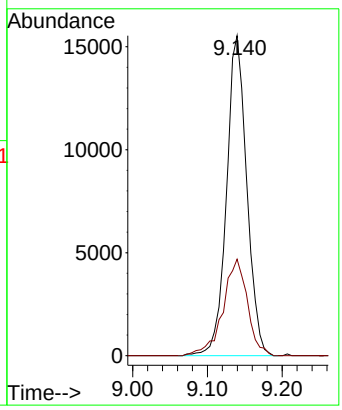


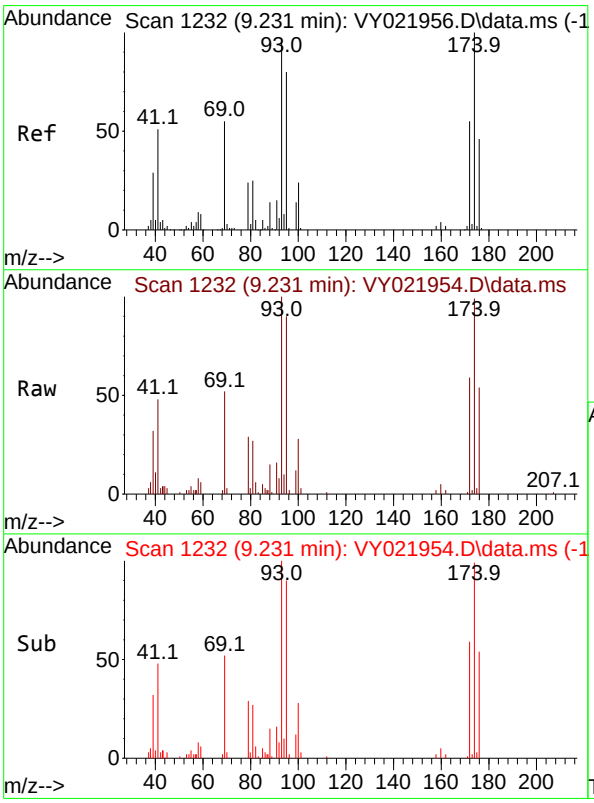
#45
1,2-Dichloropropane
Concen: 10.342 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 29327

Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.2	37.8

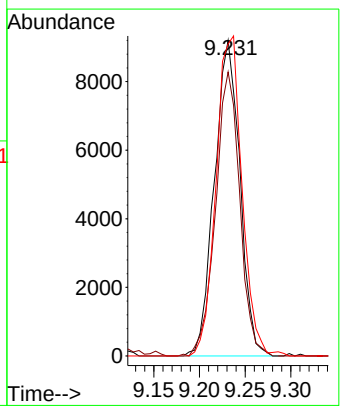


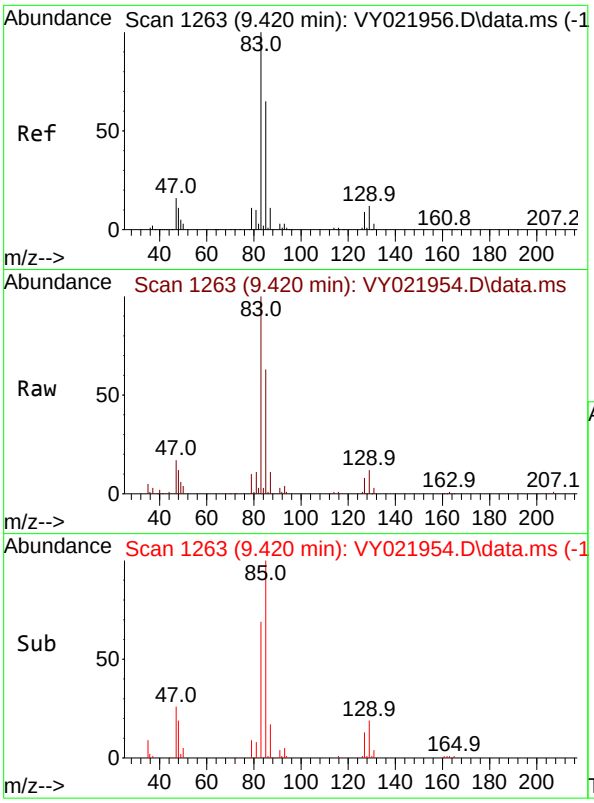


#46
Dibromomethane
Concen: 10.055 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 93 Resp: 17848

Ion	Ratio	Lower	Upper
93	100		
95	85.7	66.7	100.1
174	103.7	84.6	127.0



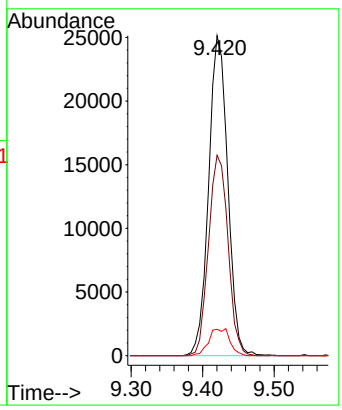


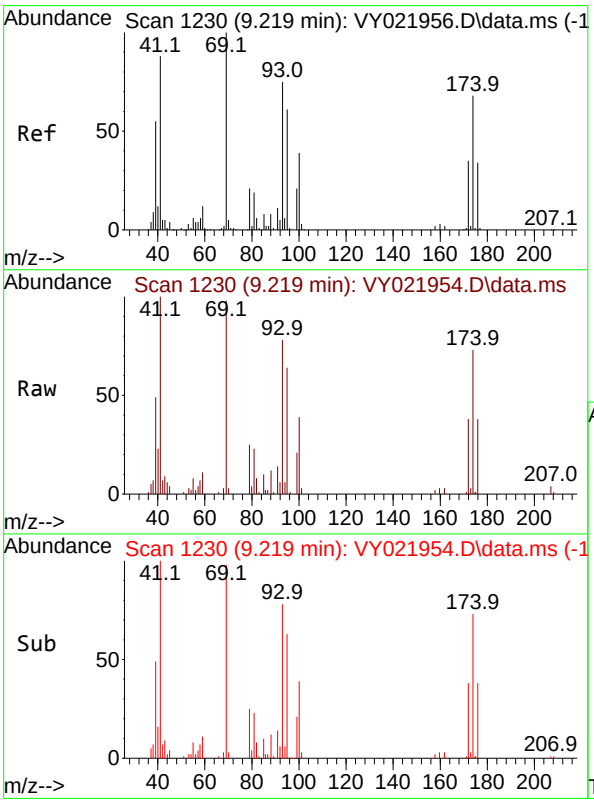
#47
Bromodichloromethane
Concen: 10.498 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 46552

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.8	77.8
127	8.2	7.0	10.6

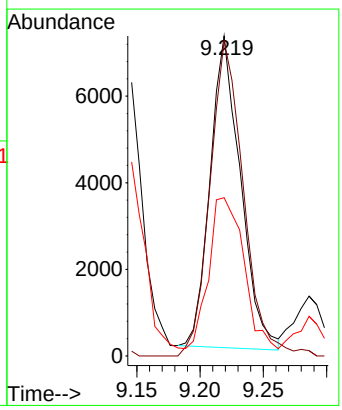


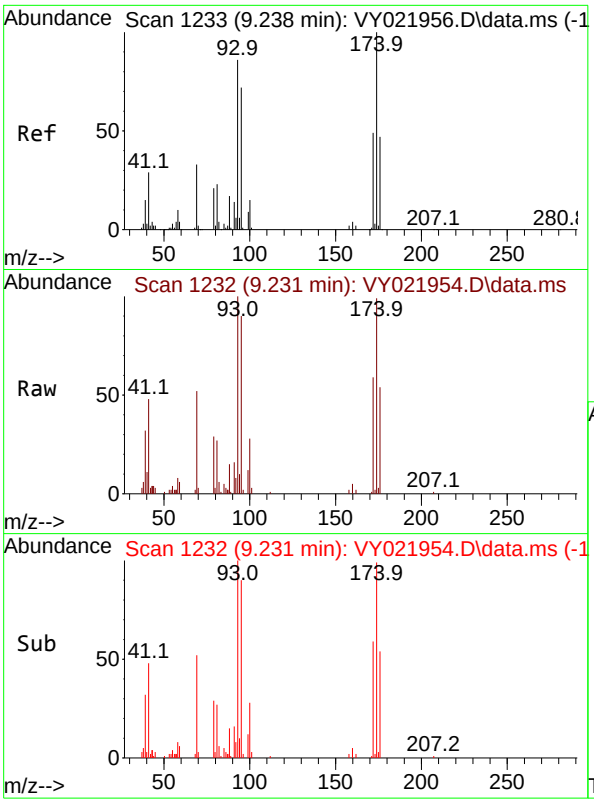


#48
Methyl methacrylate
Concen: 9.202 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 41 Resp: 12035

Ion	Ratio	Lower	Upper
41	100		
69	111.3	85.5	128.3
39	56.4	46.2	69.4



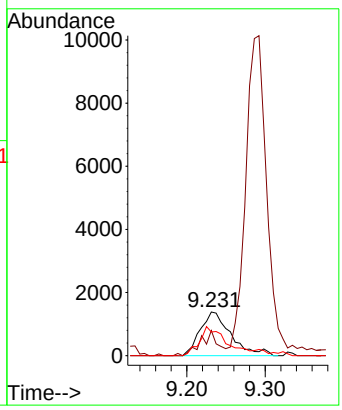


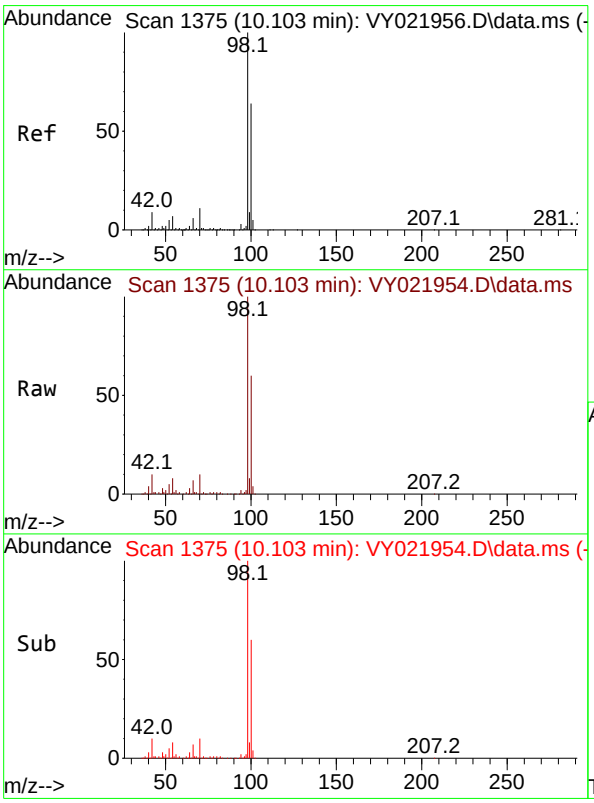
#49
1,4-Dioxane
Concen: 199.843 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 3781

Ion	Ratio	Lower	Upper
88	100		
43	32.0	21.3	31.9#
58	64.2	50.5	75.7

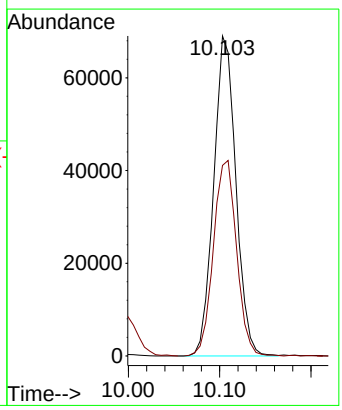


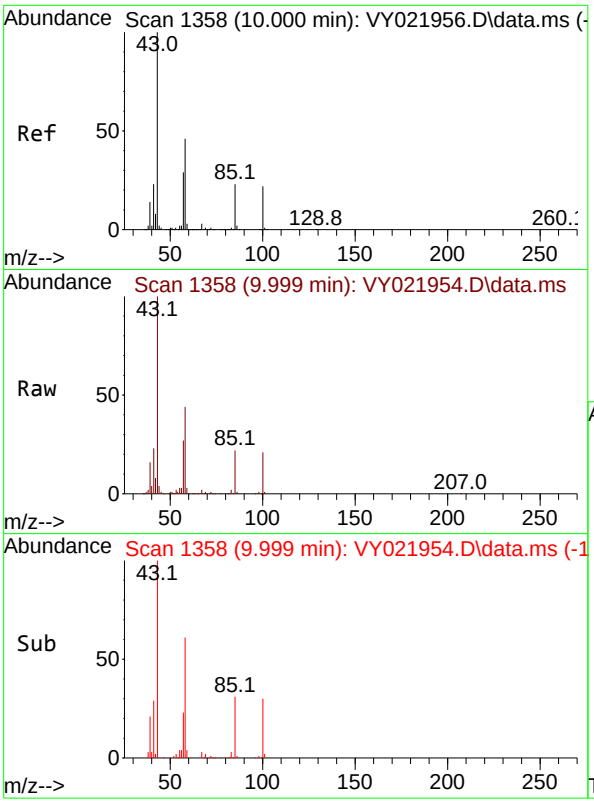


#50
Toluene-d8
Concen: 10.118 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 98 Resp: 116480

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4



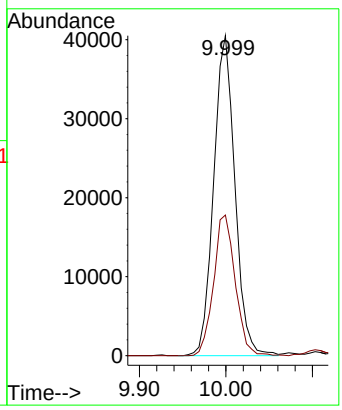


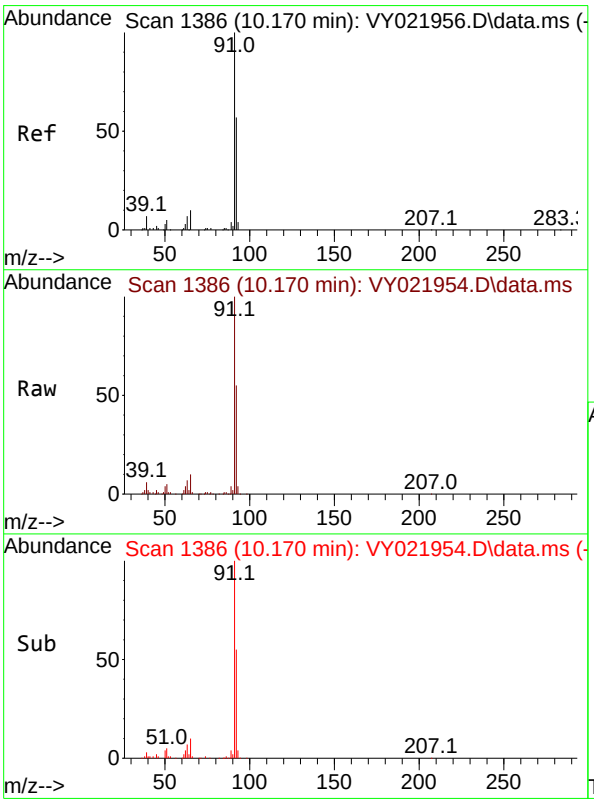
#51
4-Methyl-2-Pentanone
Concen: 46.490 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 68951

Ion	Ratio	Lower	Upper
43	100		
58	44.8	36.6	55.0

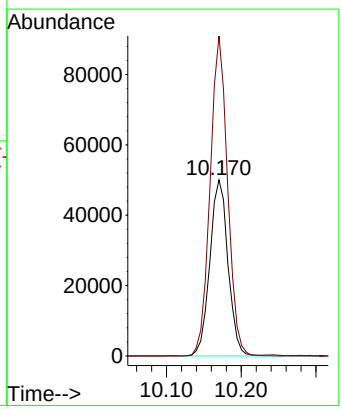


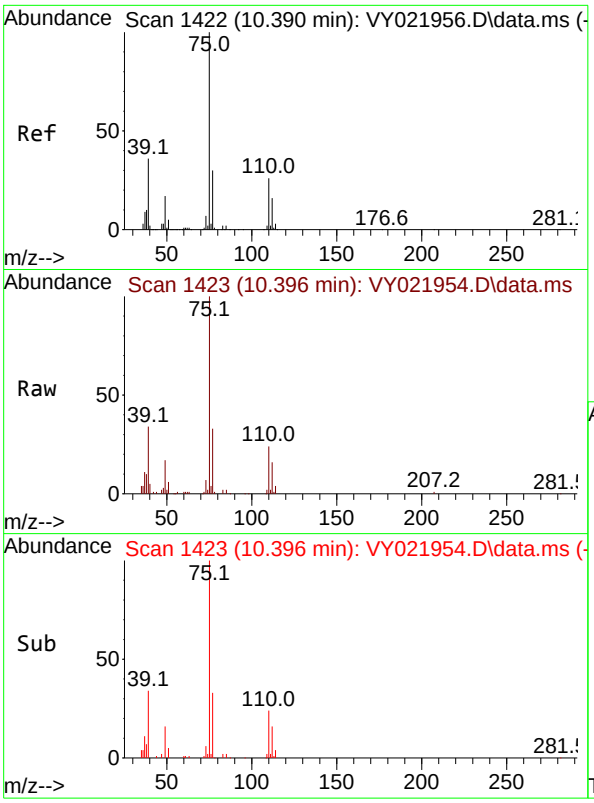


#52
Toluene
Concen: 10.189 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 92 Resp: 84571

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.6	207.8



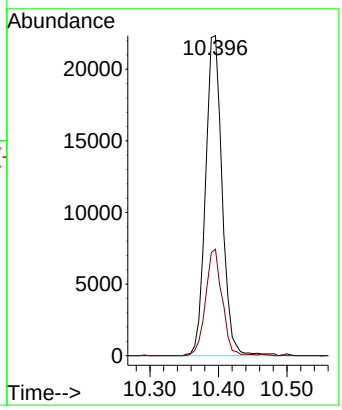


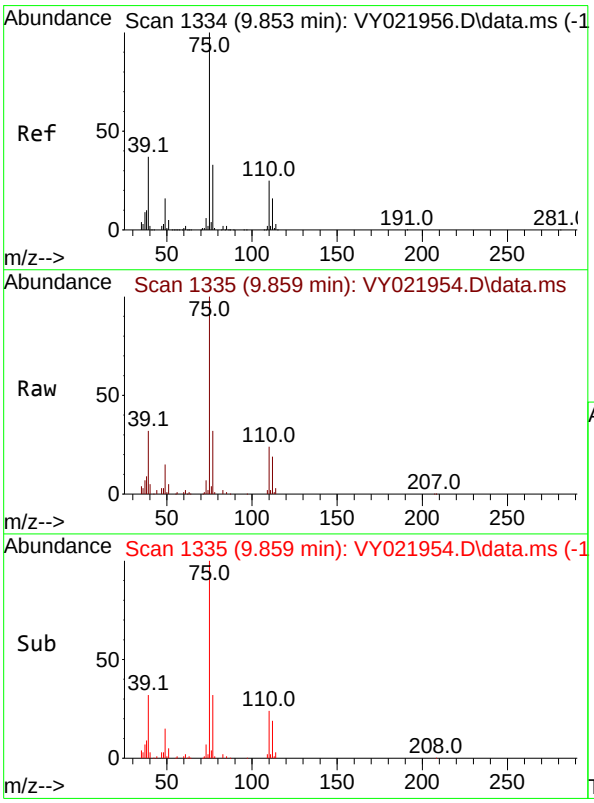
#53
t-1,3-Dichloropropene
Concen: 9.911 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 37699

Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.0	36.0

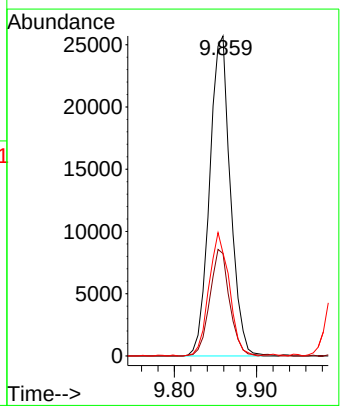


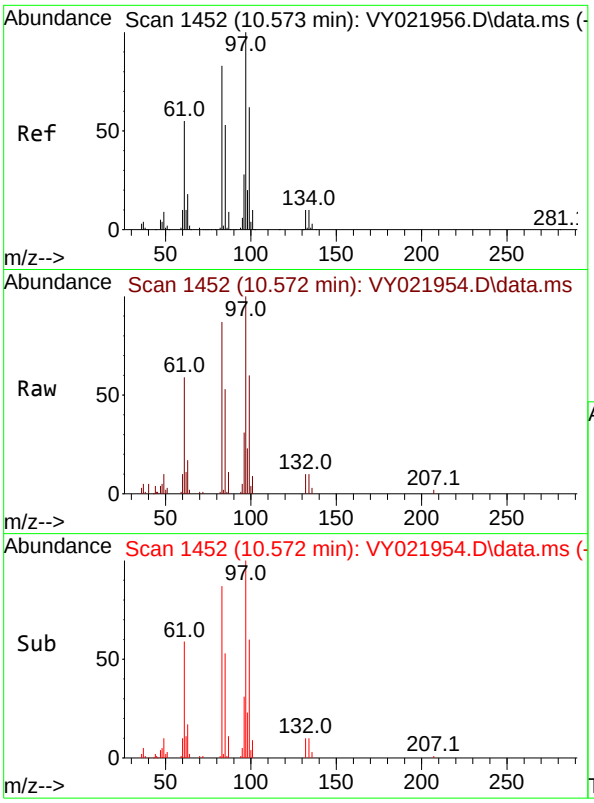


#54
cis-1,3-Dichloropropene
Concen: 9.982 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 45133

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.6	40.0
39	32.2	29.6	44.4



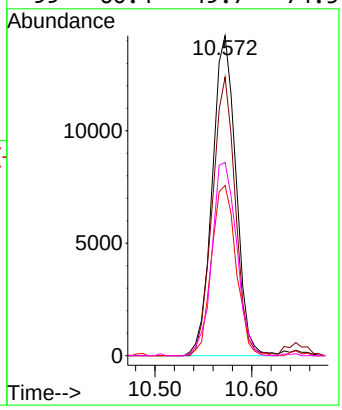


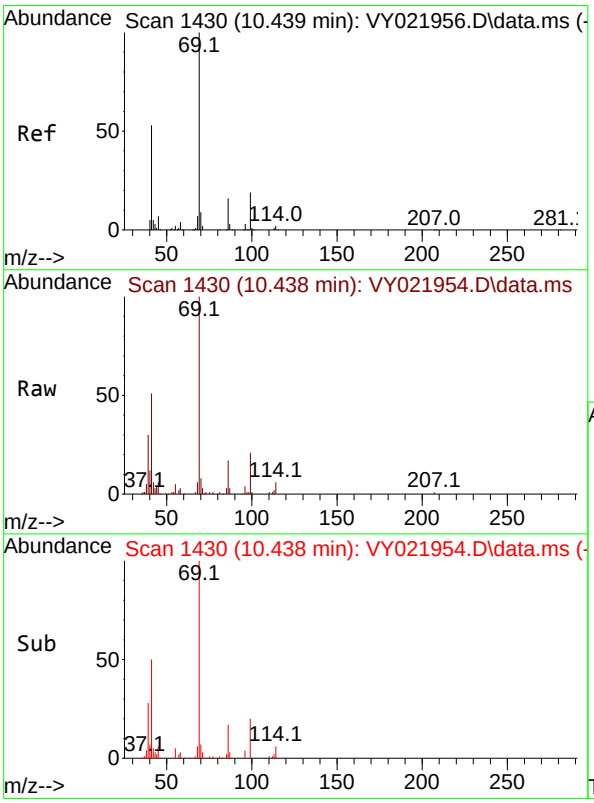
#55
1,1,2-Trichloroethane
Concen: 10.192 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 24166

Ion	Ratio	Lower	Upper
97	100		
83	87.1	66.7	100.1
85	53.2	42.6	64.0
99	60.4	49.7	74.5

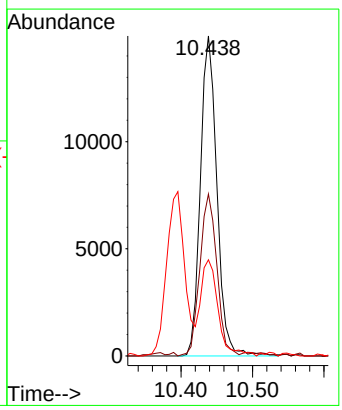


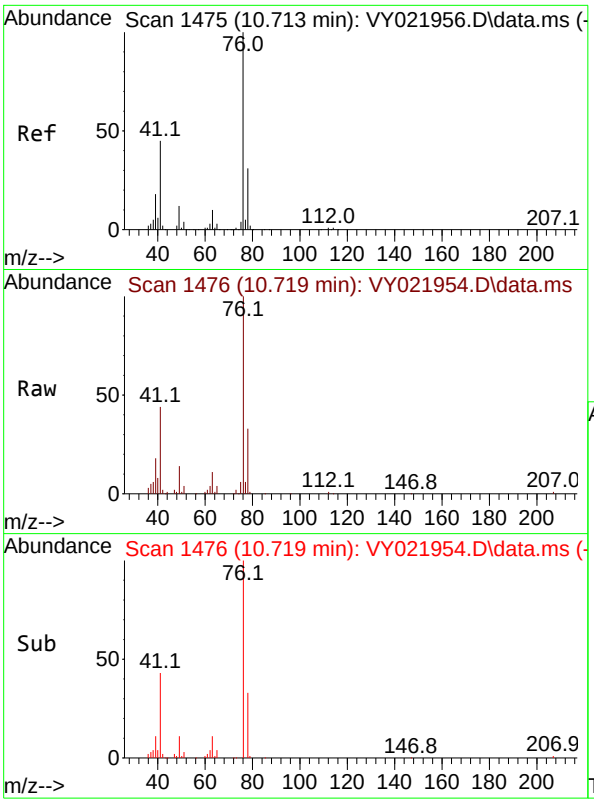


#56
Ethyl methacrylate
Concen: 8.823 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 69 Resp: 23924

Ion	Ratio	Lower	Upper
69	100		
41	52.1	40.7	61.1
39	31.1	23.3	34.9



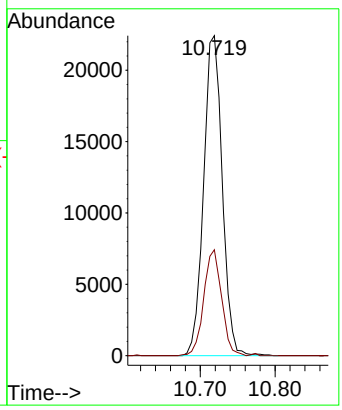


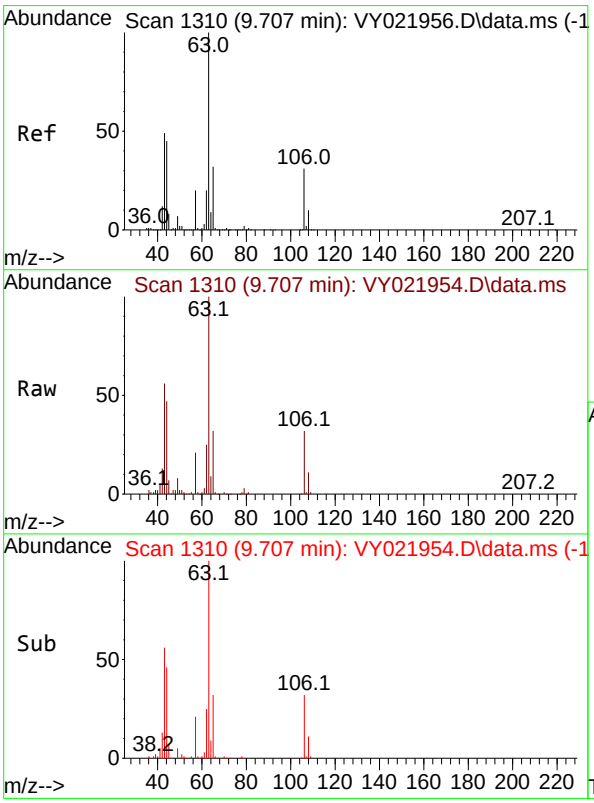
#57
1,3-Dichloropropane
Concen: 10.204 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 38787

Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.6	39.8

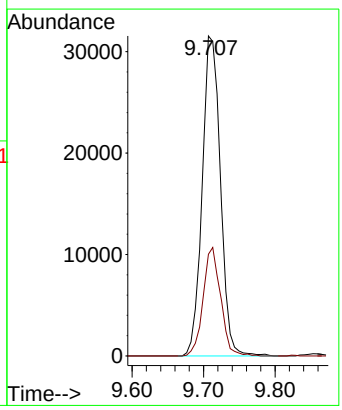


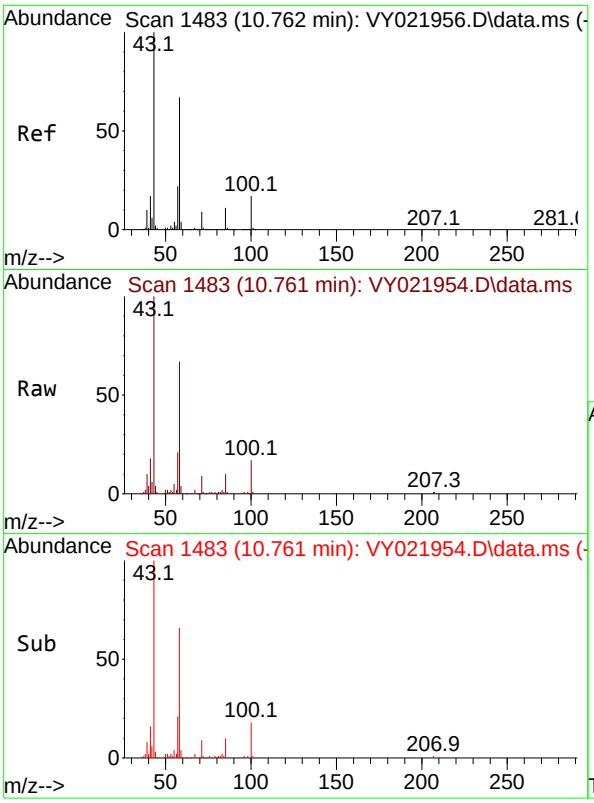


#58
2-Chloroethyl Vinyl ether
Concen: 42.164 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 63 Resp: 55900

Ion	Ratio	Lower	Upper
63	100		
106	32.5	25.3	37.9



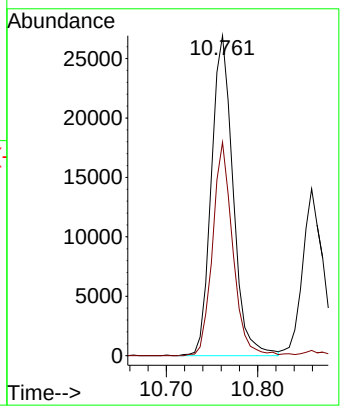


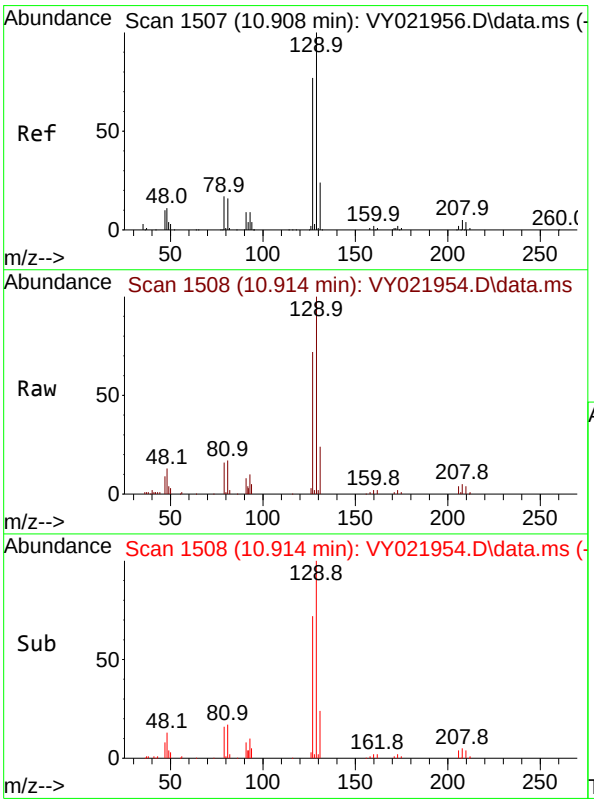
#59
2-Hexanone
Concen: 45.407 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 44419

Ion	Ratio	Lower	Upper
43	100		
58	61.8	32.0	96.0

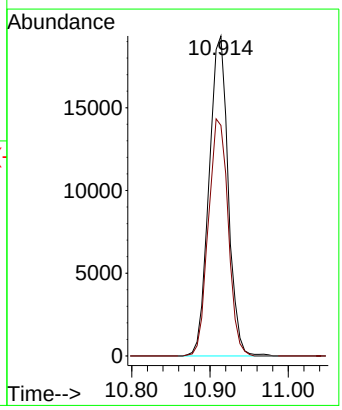


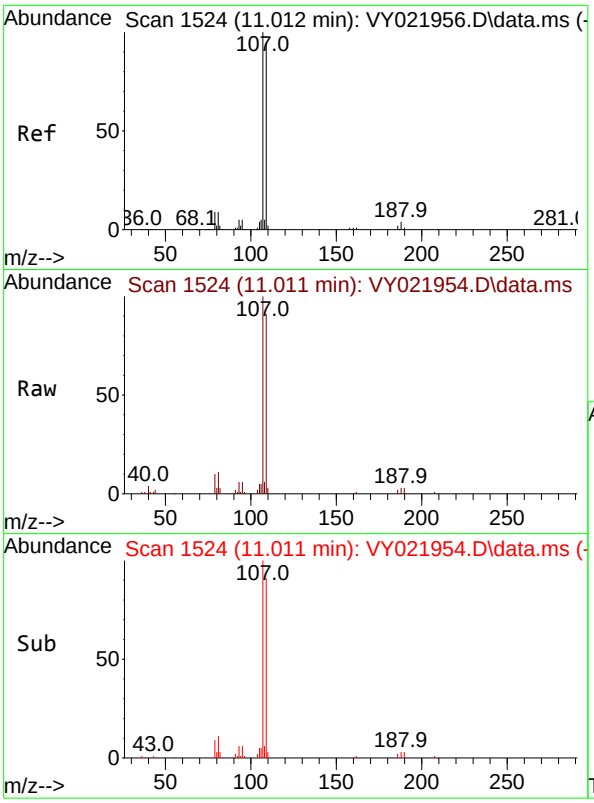


#60
Dibromochloromethane
Concen: 9.994 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:129 Resp: 32807

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.5	115.3



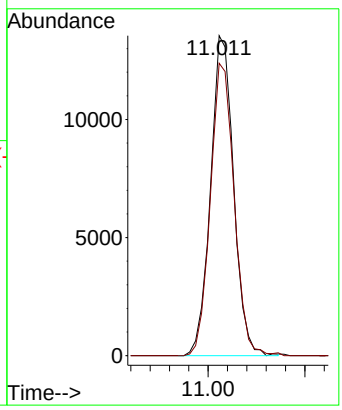


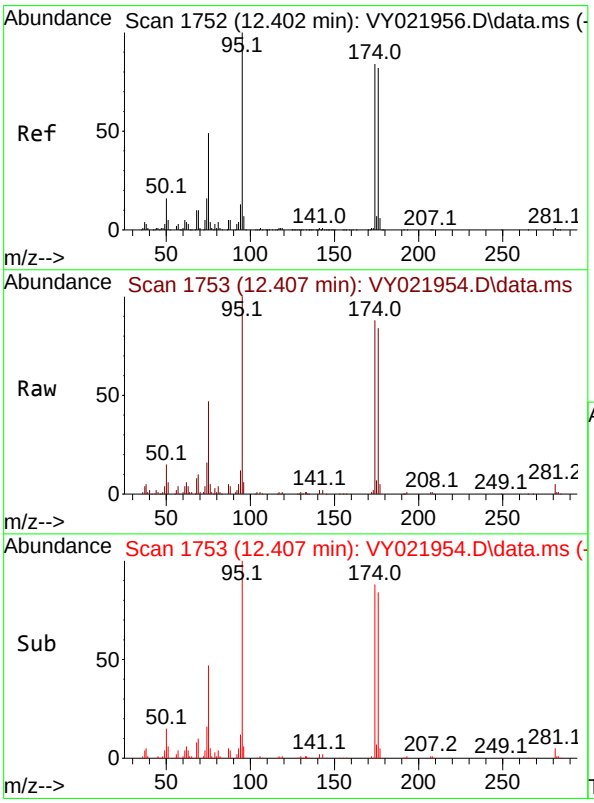
#61
1,2-Dibromoethane
Concen: 10.019 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 22427

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

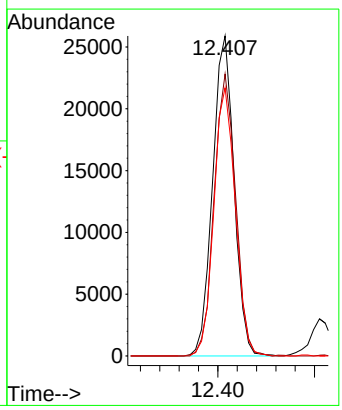


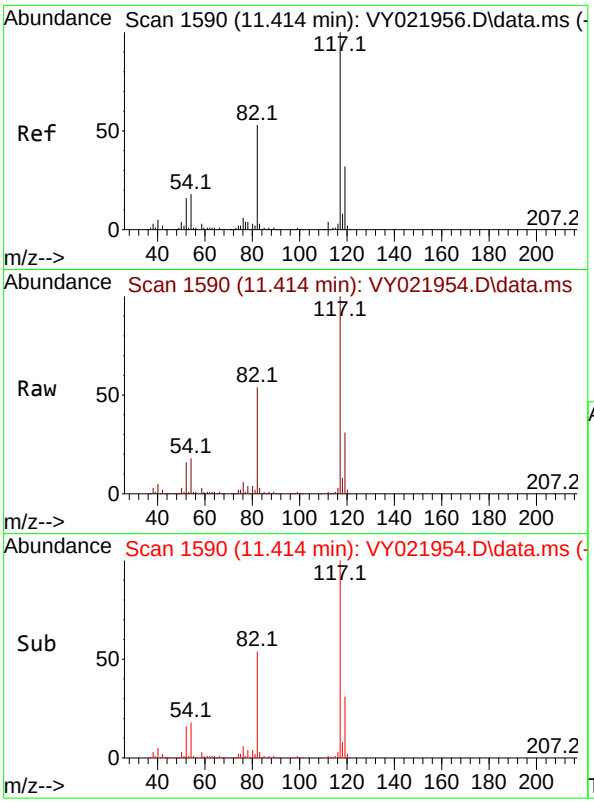


#62
4-Bromofluorobenzene
Concen: 10.244 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 95 Resp: 39704

Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	179.0
176	84.2	0.0	171.8



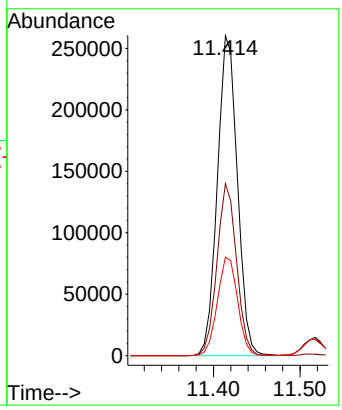


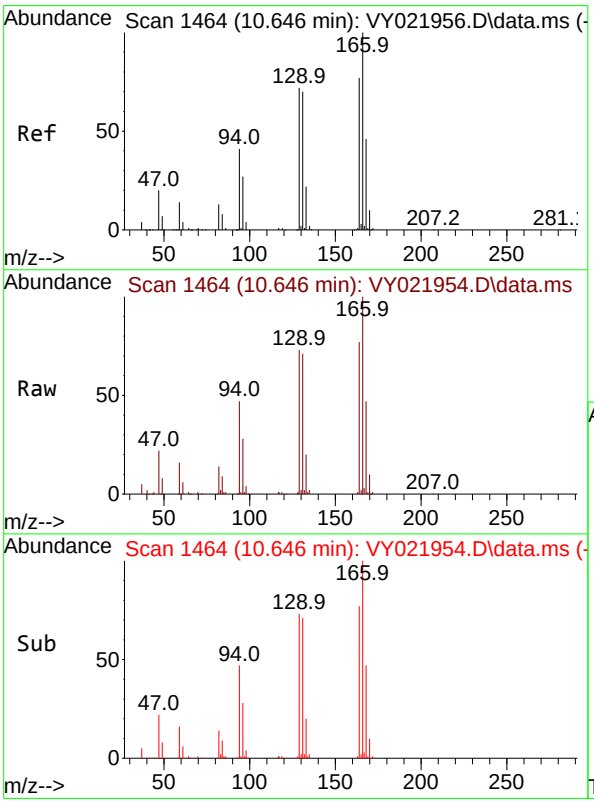
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 418471

Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.1	63.1
119	30.8	25.7	38.5

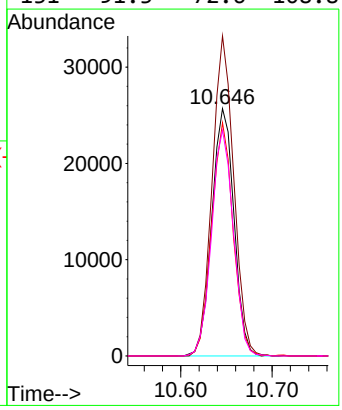


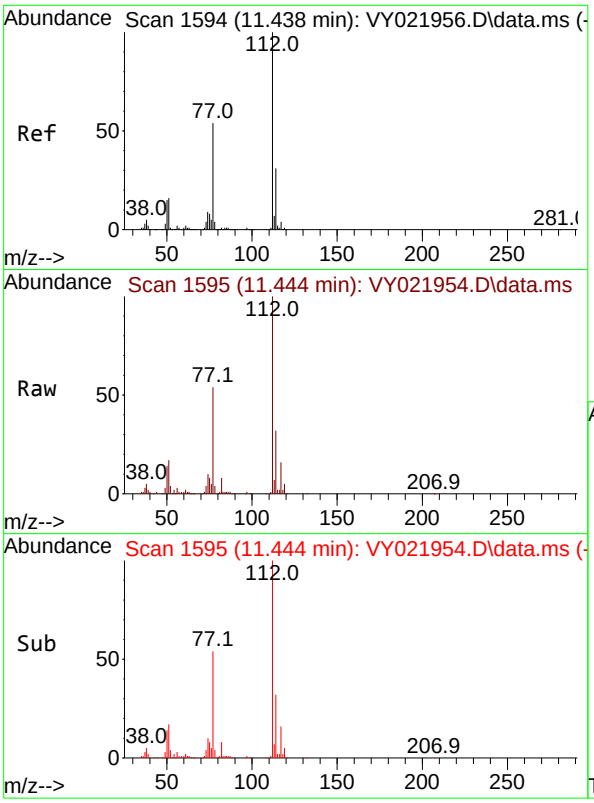


#64
Tetrachloroethene
Concen: 10.944 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:164 Resp: 43205

Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.6	155.4
129	94.2	74.2	111.4
131	91.3	72.6	108.8



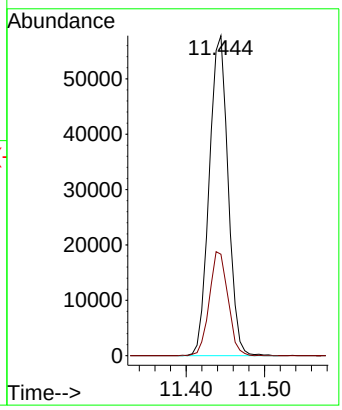


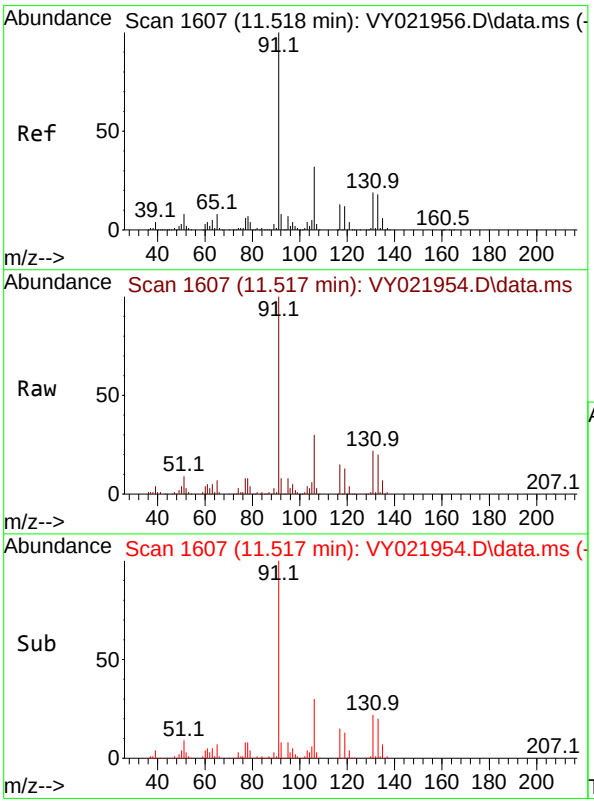
#65
Chlorobenzene
Concen: 10.306 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 96442

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.4

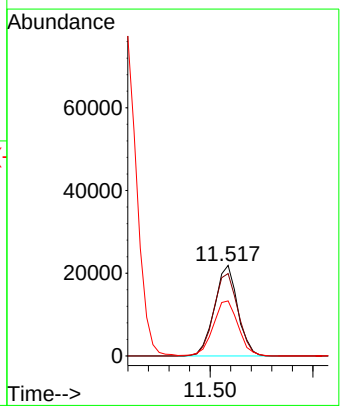


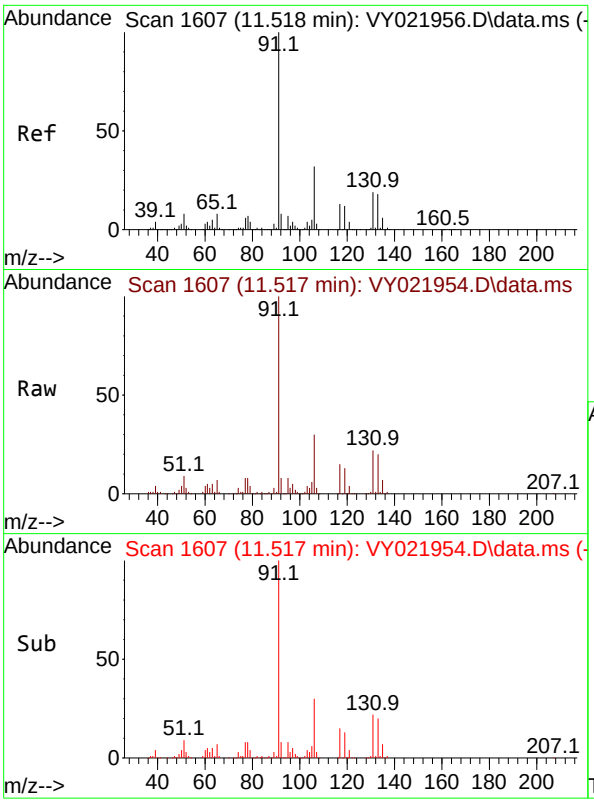


#66
1,1,1,2-Tetrachloroethane
Concen: 10.392 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:131 Resp: 34237

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.8	143.3
119	65.7	32.4	97.0



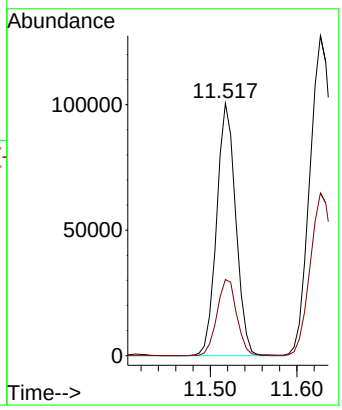


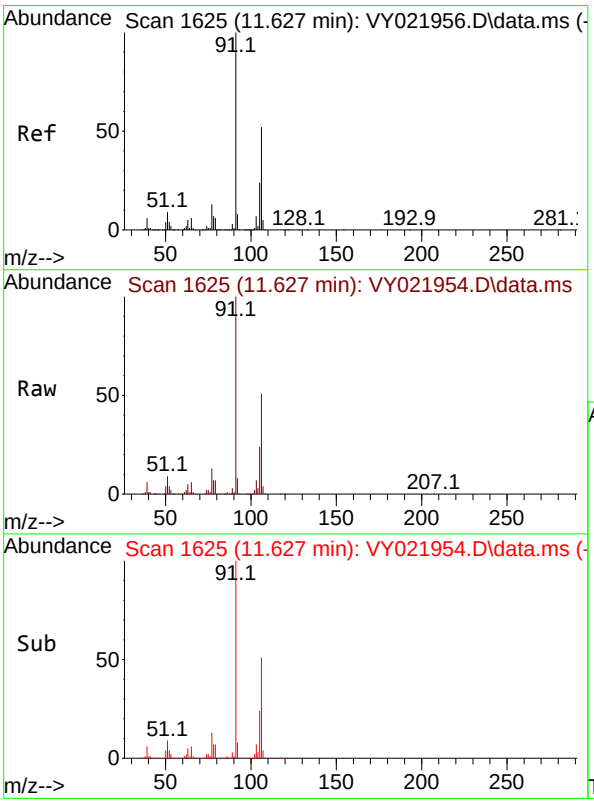
#67
Ethyl Benzene
Concen: 10.058 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 153977

Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.9	38.9

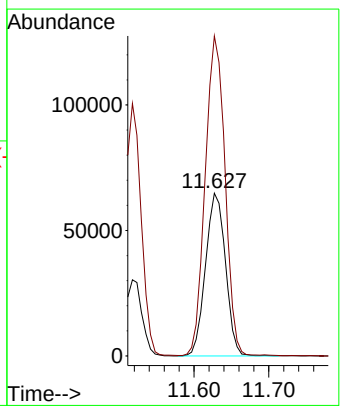


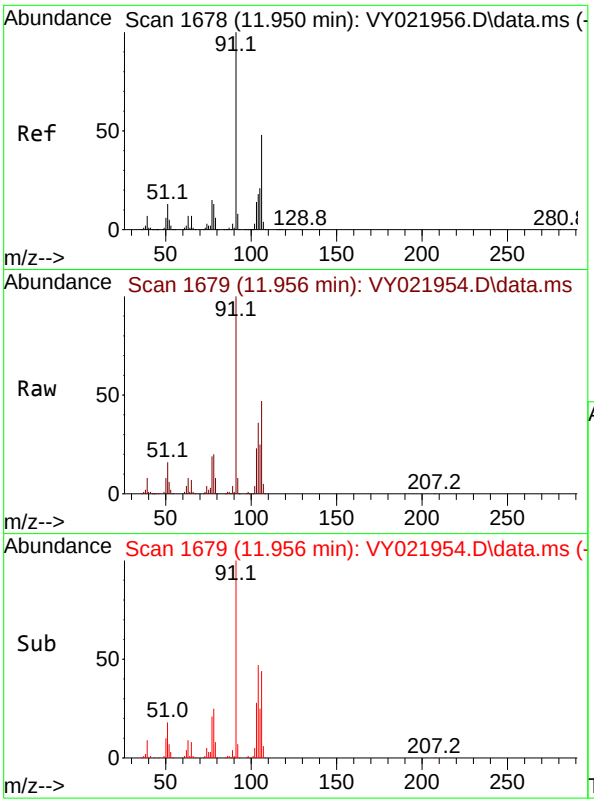


#68
m/p-Xylenes
Concen: 19.789 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:106 Resp: 120544

Ion	Ratio	Lower	Upper
106	100		
91	194.6	156.2	234.2



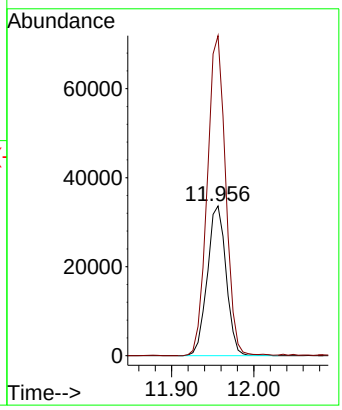


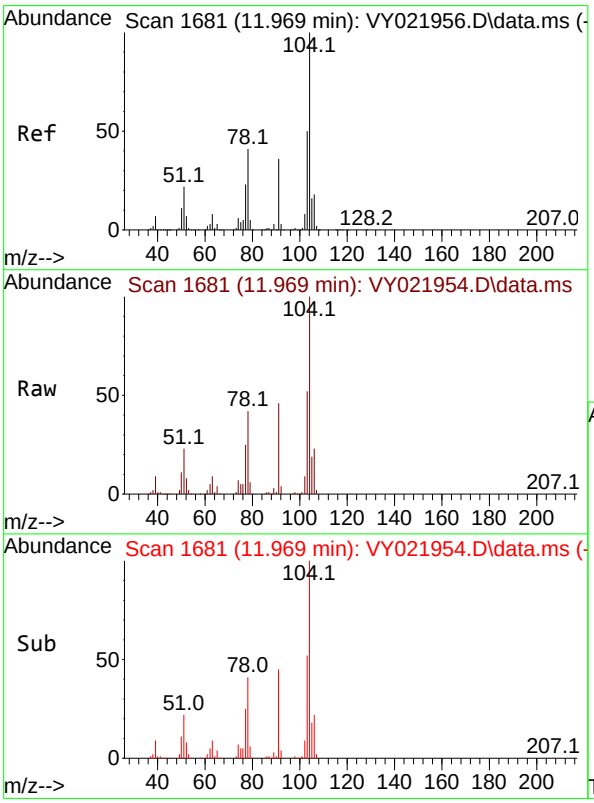
#69
o-Xylene
Concen: 9.521 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 53458

Ion	Ratio	Lower	Upper
106	100		
91	208.8	103.0	308.9

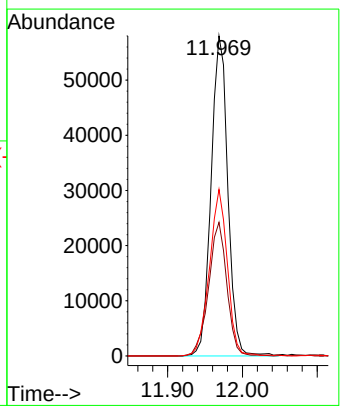


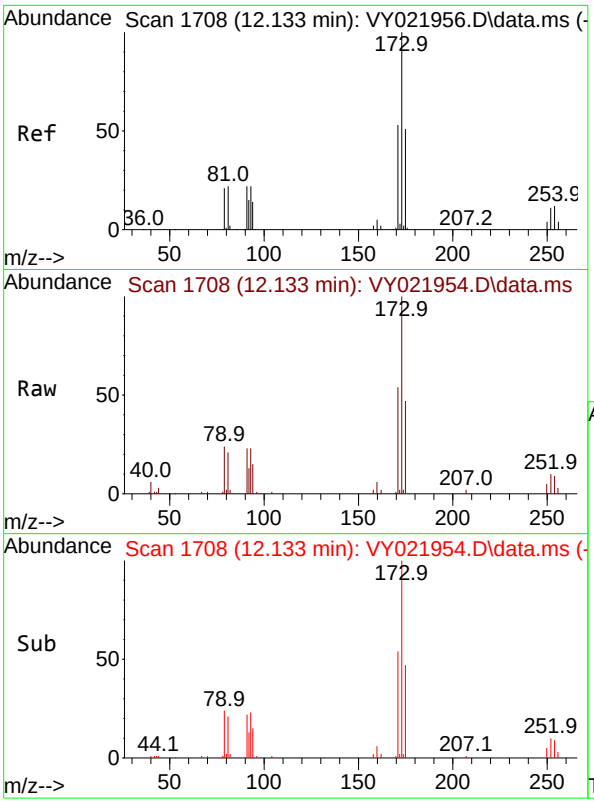


#70
Styrene
Concen: 9.588 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:104 Resp: 90382

Ion	Ratio	Lower	Upper
104	100		
78	45.5	36.6	54.8
103	55.7	43.8	65.8



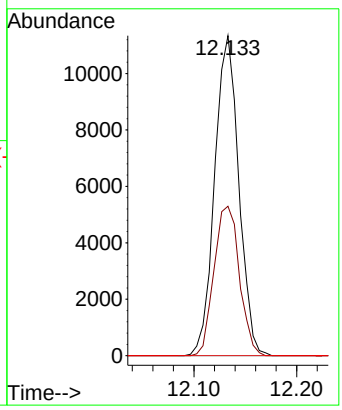


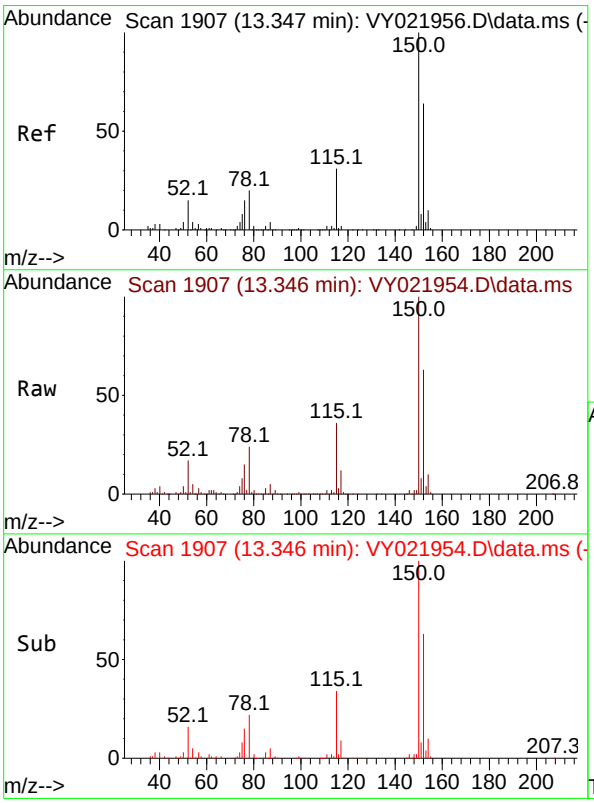
#71
Bromoform
Concen: 9.648 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 18480

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

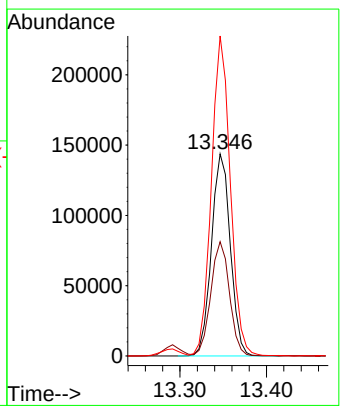


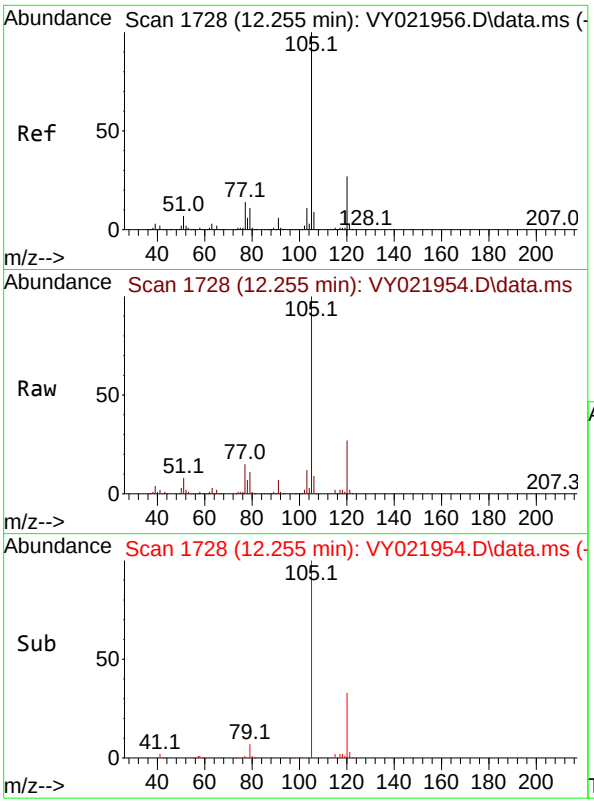


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:152 Resp: 217358

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	158.8	0.0	345.6



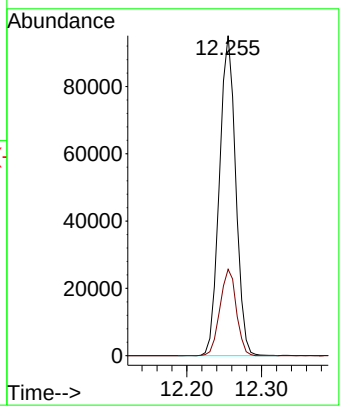


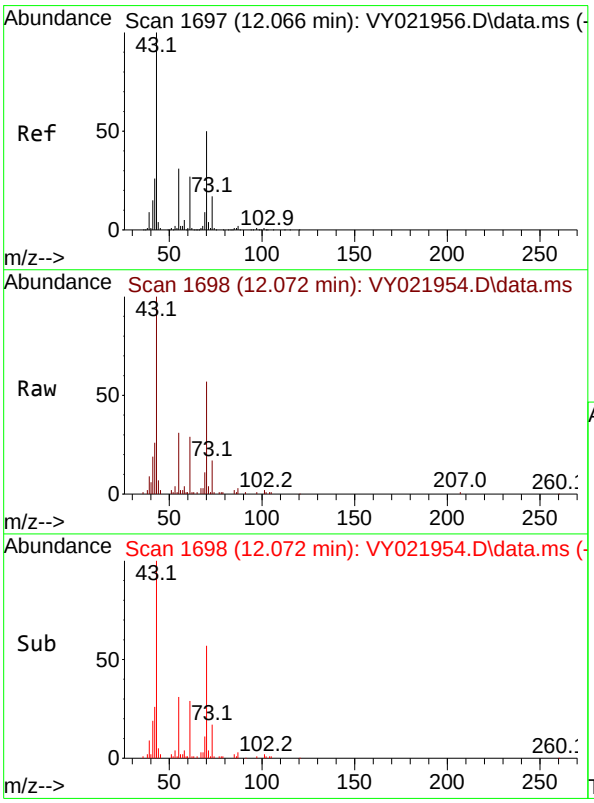
#73
Isopropylbenzene
Concen: 9.928 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 144167

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5

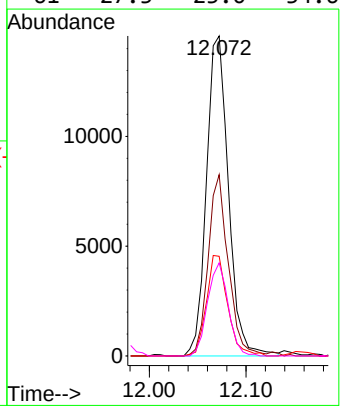


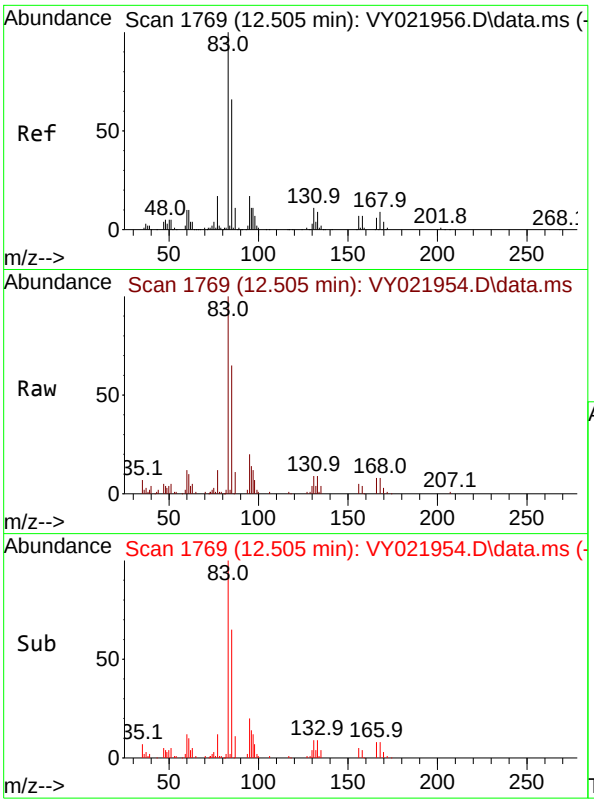


#74
N-amyl acetate
Concen: 9.242 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 43 Resp: 23058

Ion	Ratio	Lower	Upper
43	100		
70	51.9	43.2	64.8
55	30.4	25.7	38.5
61	27.3	23.0	34.6



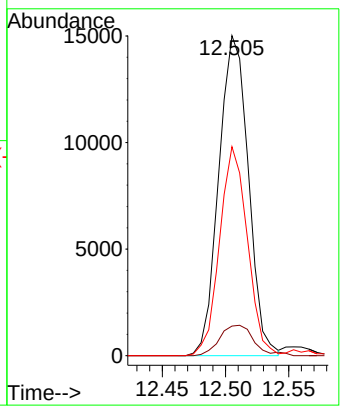


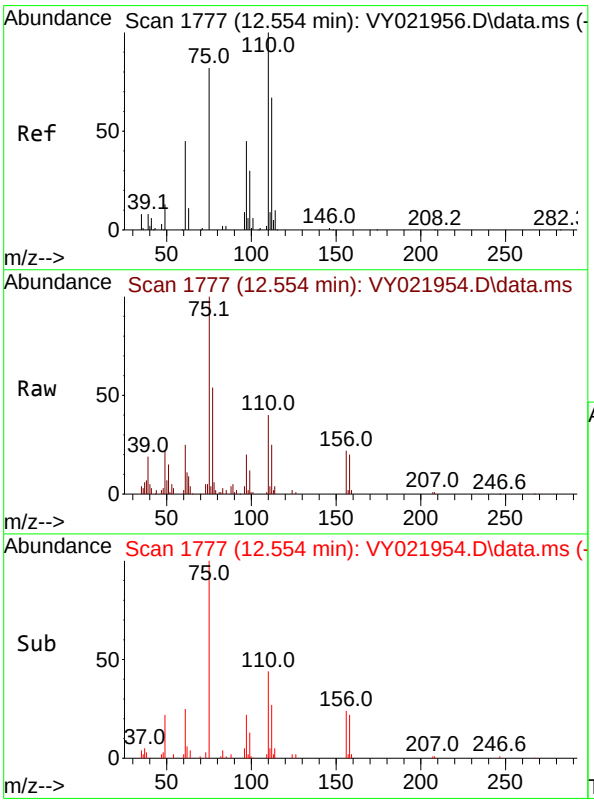
#75
1,1,2,2-Tetrachloroethane
Concen: 9.971 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 24413

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	61.5	32.3	96.8

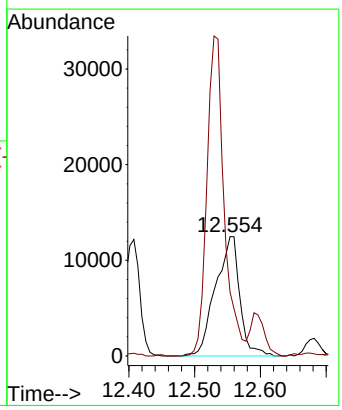


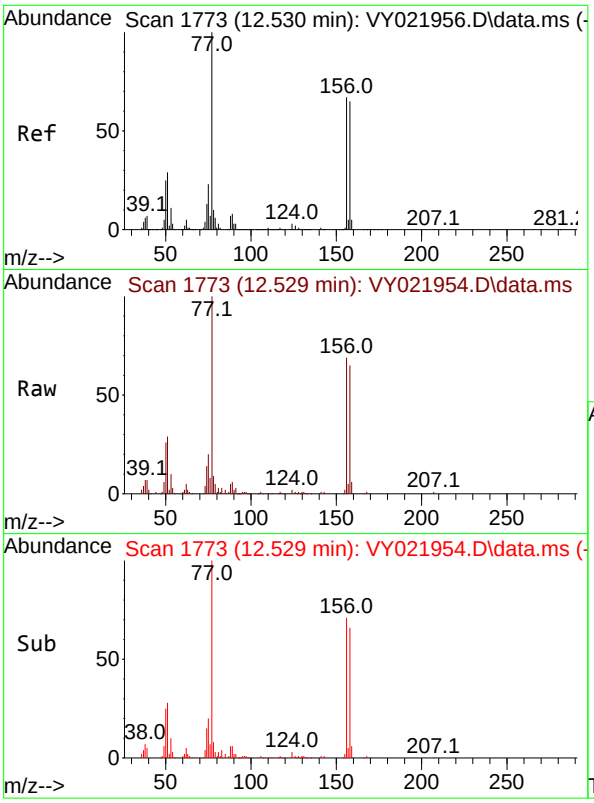


#76
1,2,3-Trichloropropane
Concen: 16.711 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 32006

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



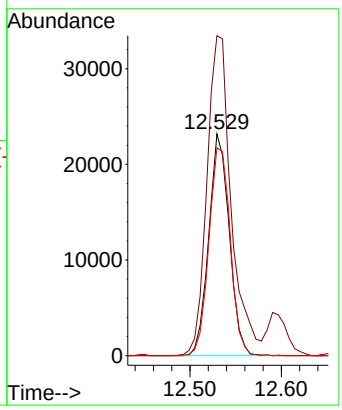


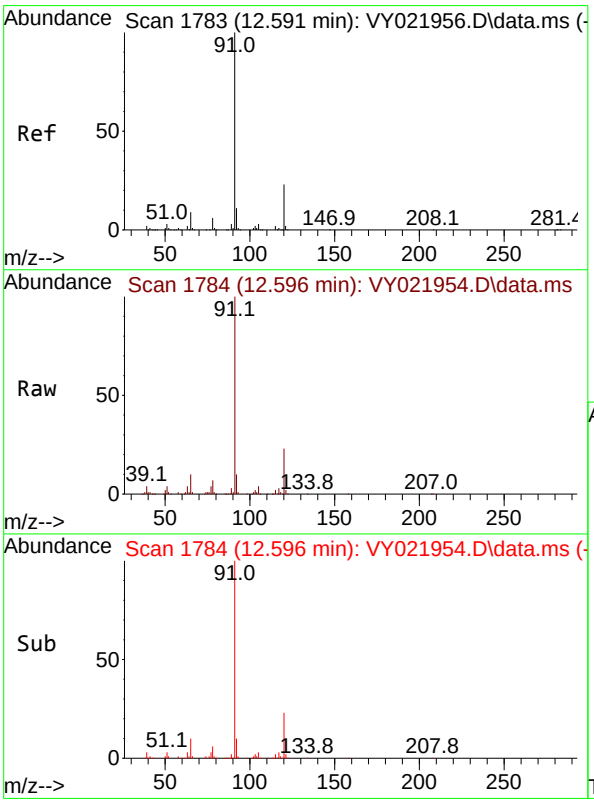
#77
Bromobenzene
Concen: 9.845 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 36127

Ion	Ratio	Lower	Upper
156	100		
77	170.7	82.7	248.1
158	97.5	48.1	144.4

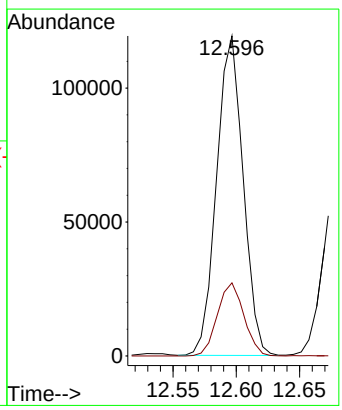


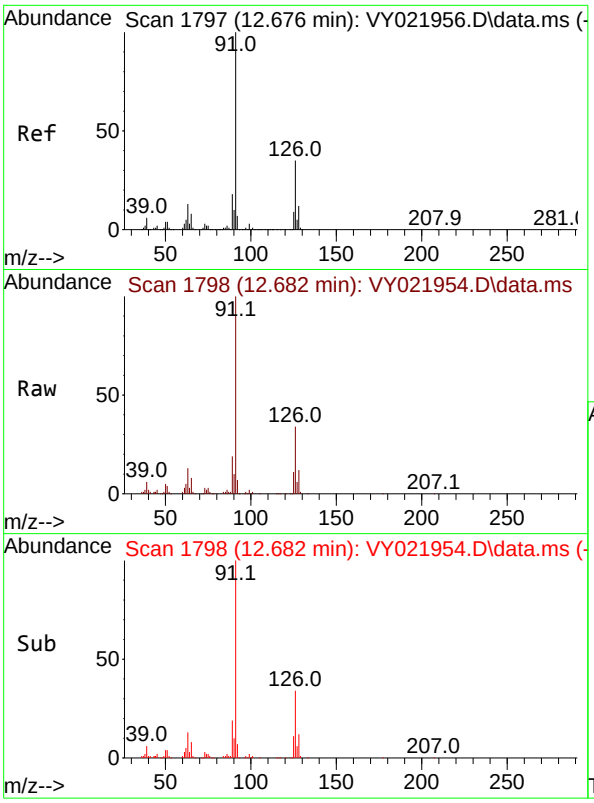


#78
n-propylbenzene
Concen: 10.045 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 173723

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.9	35.5



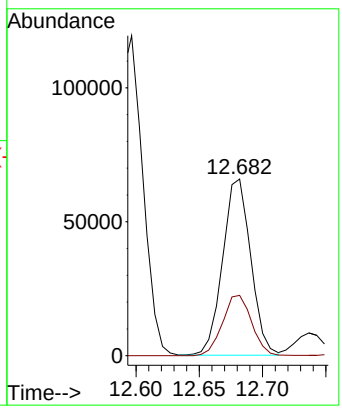


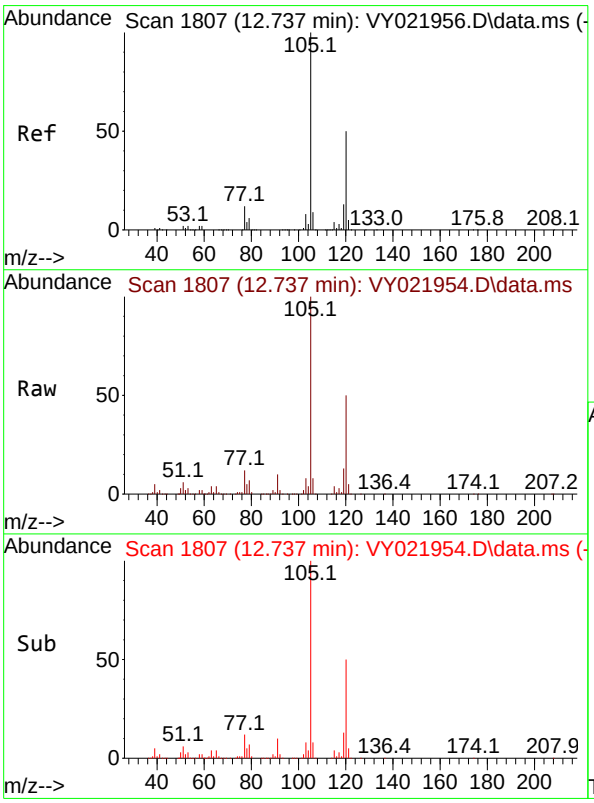
#79
2-Chlorotoluene
Concen: 10.127 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 101855

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.8

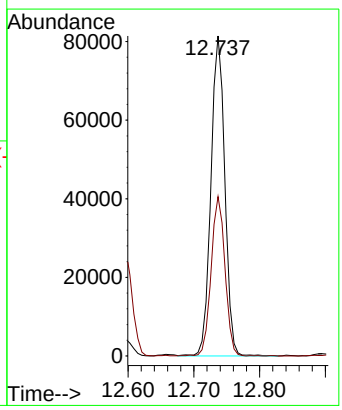


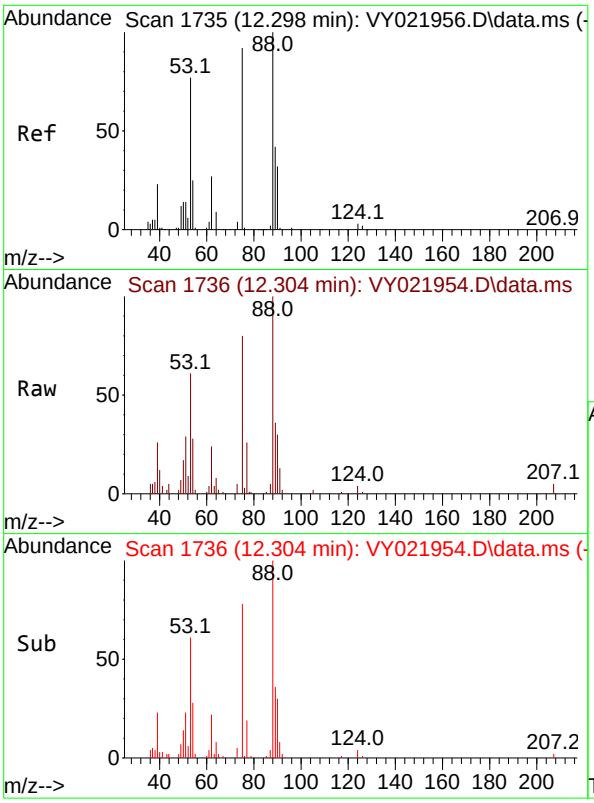


#80
1,3,5-Trimethylbenzene
Concen: 10.018 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 119871

Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.0	75.0



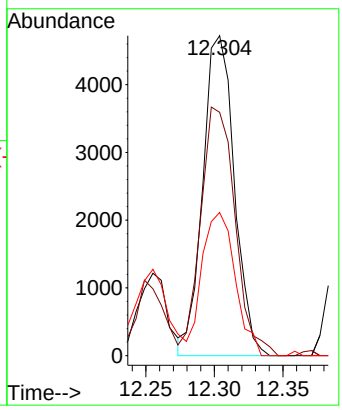


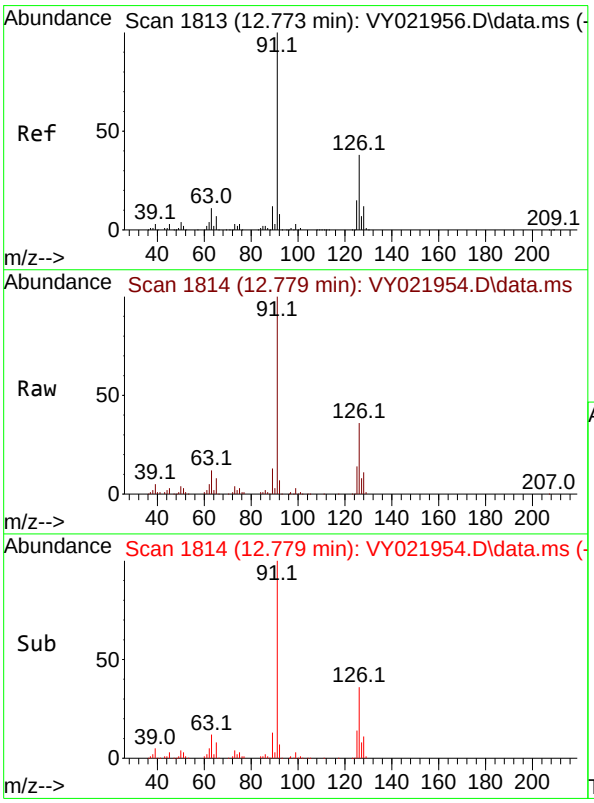
#81
trans-1,4-Dichloro-2-butene
Concen: 9.773 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 7556

Ion	Ratio	Lower	Upper
75	100		
53	84.6	66.0	99.0
89	47.0	37.2	55.8

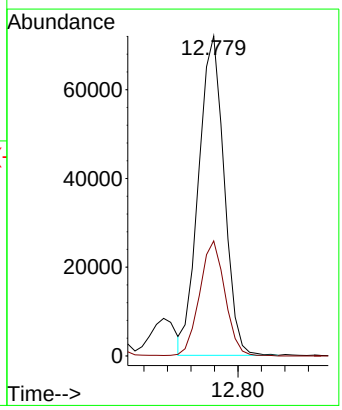


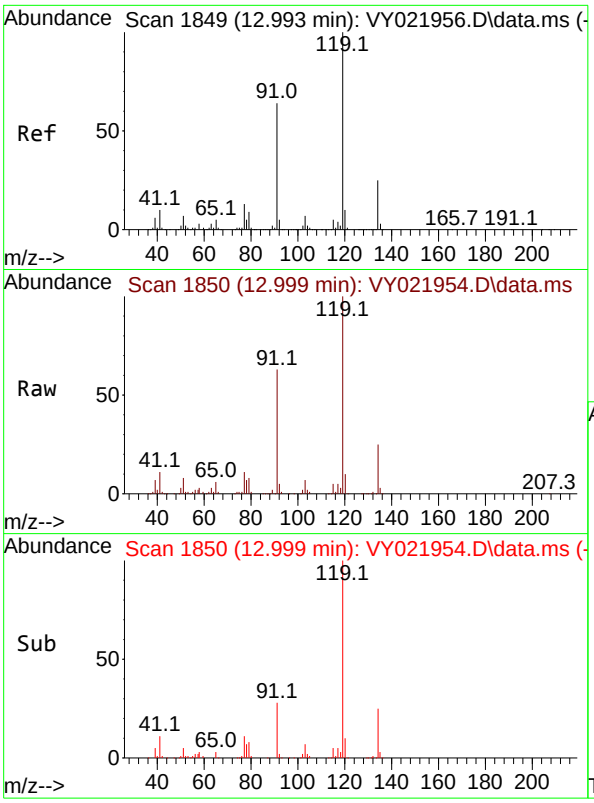


#82
4-Chlorotoluene
Concen: 10.400 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 91 Resp: 108734

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8



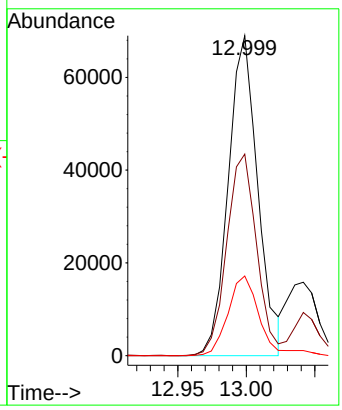


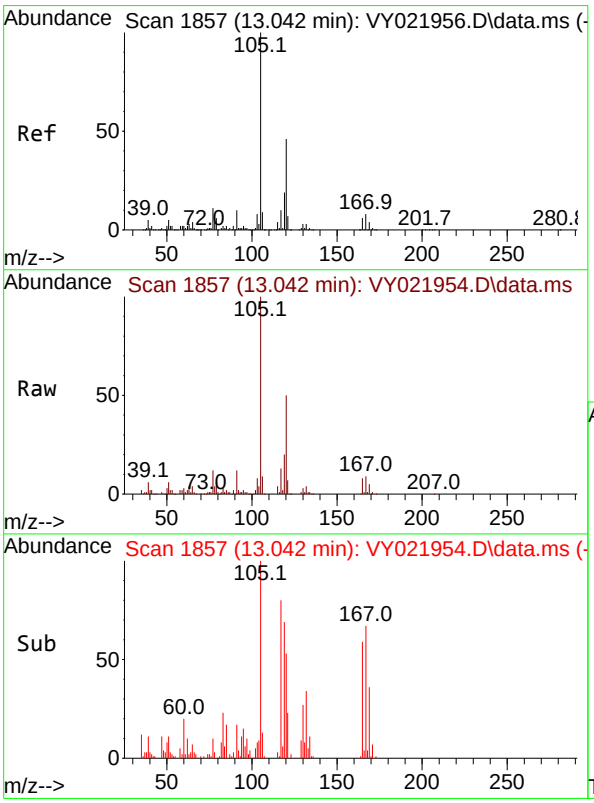
#83
tert-Butylbenzene
Concen: 9.649 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 103541

Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.3	90.9
134	26.8	12.9	38.7

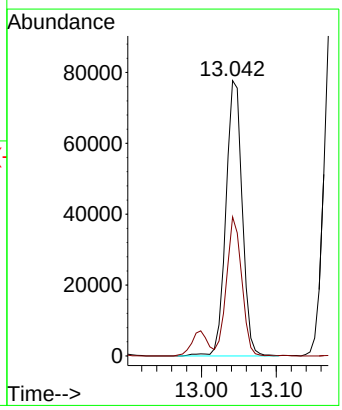


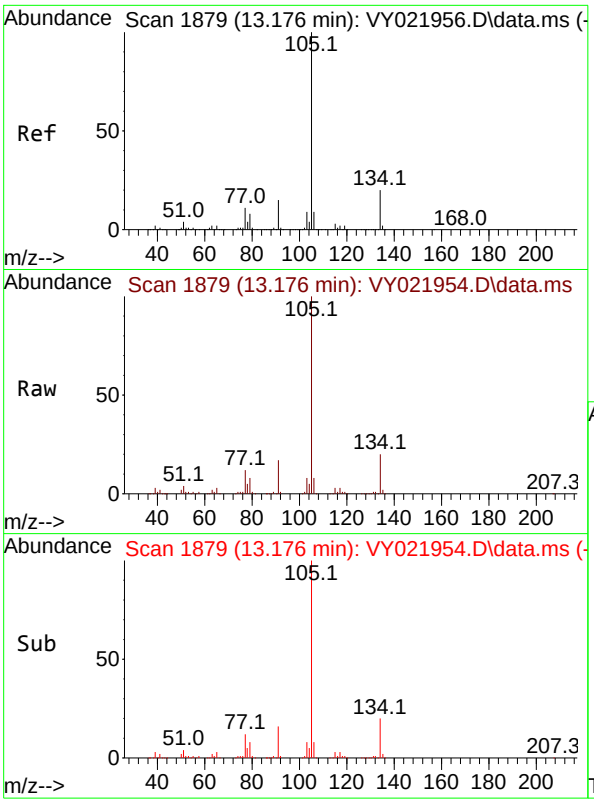


#84
1,2,4-Trimethylbenzene
Concen: 9.870 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 118119

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.0



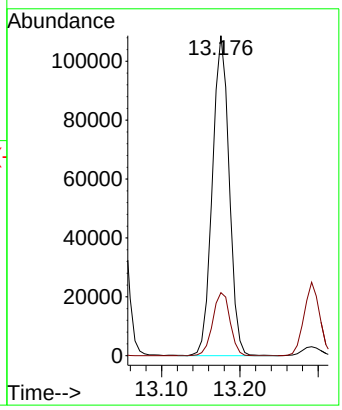


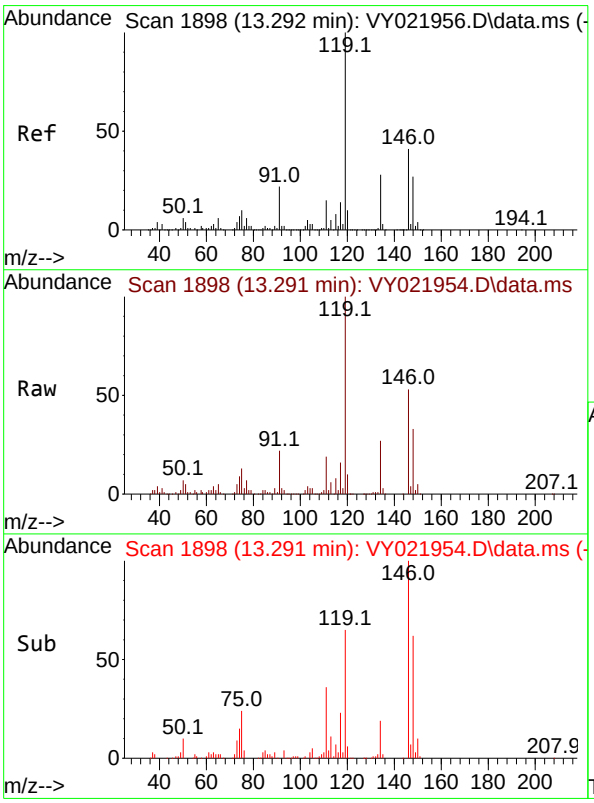
#85
sec-Butylbenzene
Concen: 10.311 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 161907

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.9

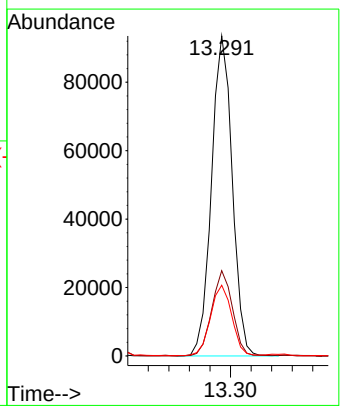


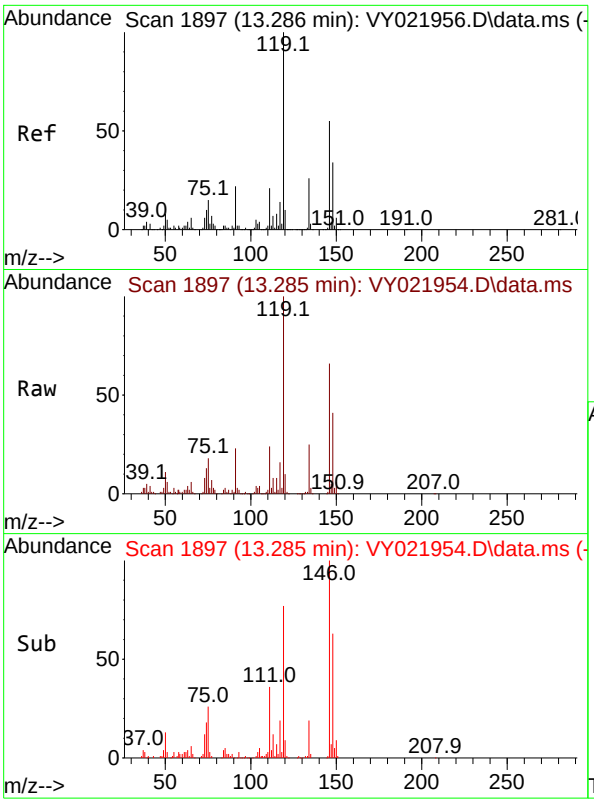


#86
p-Isopropyltoluene
Concen: 9.834 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:119 Resp: 131120

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	22.5	11.0	33.0



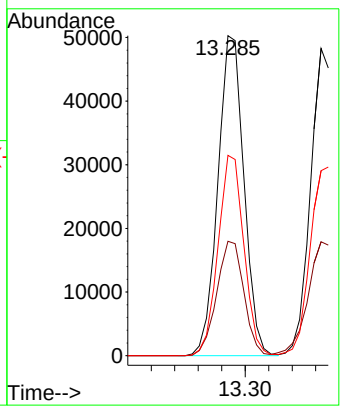


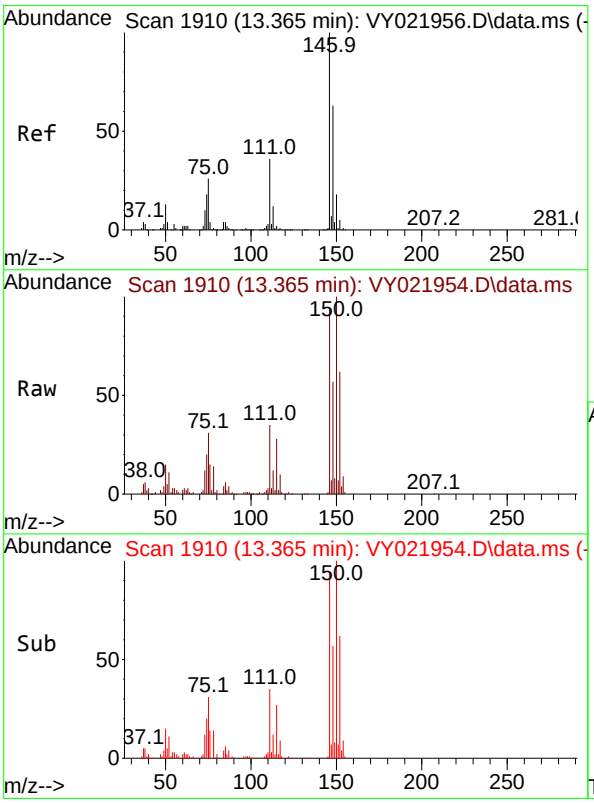
#87
1,3-Dichlorobenzene
Concen: 10.404 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 77538

Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.5
148	61.9	32.0	96.2

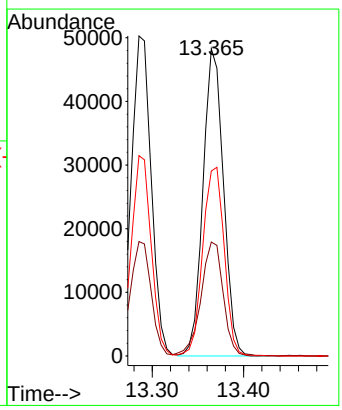


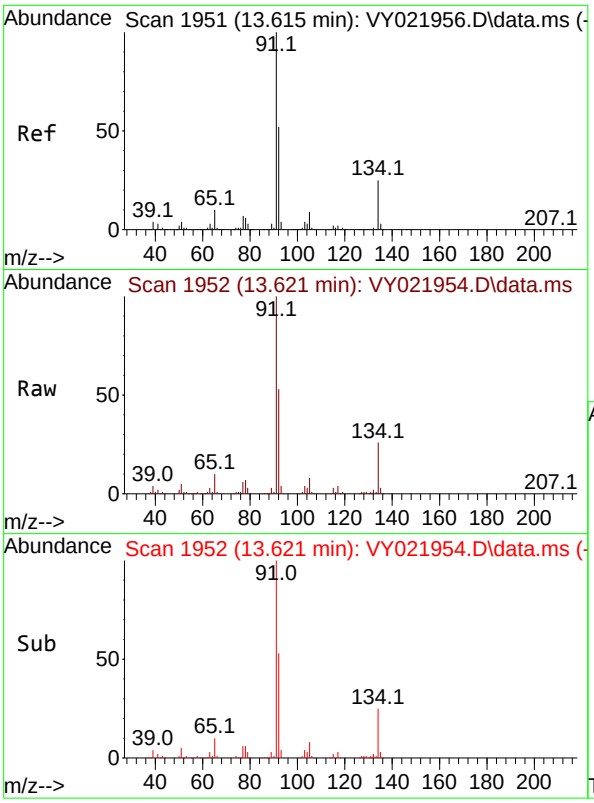


#88
1,4-Dichlorobenzene
Concen: 10.167 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:146 Resp: 75043

Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.2	57.6
148	64.6	32.0	96.0



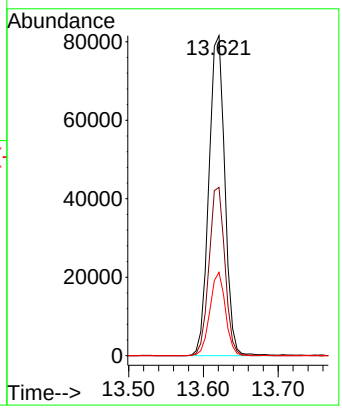


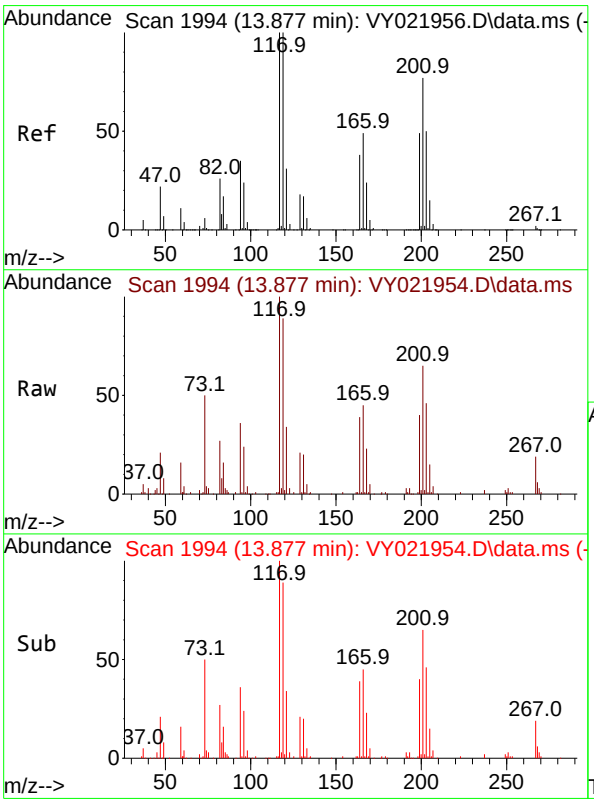
#89
n-Butylbenzene
Concen: 10.177 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 121297

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	25.3	13.4	40.1

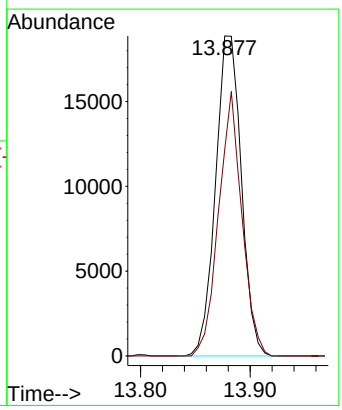


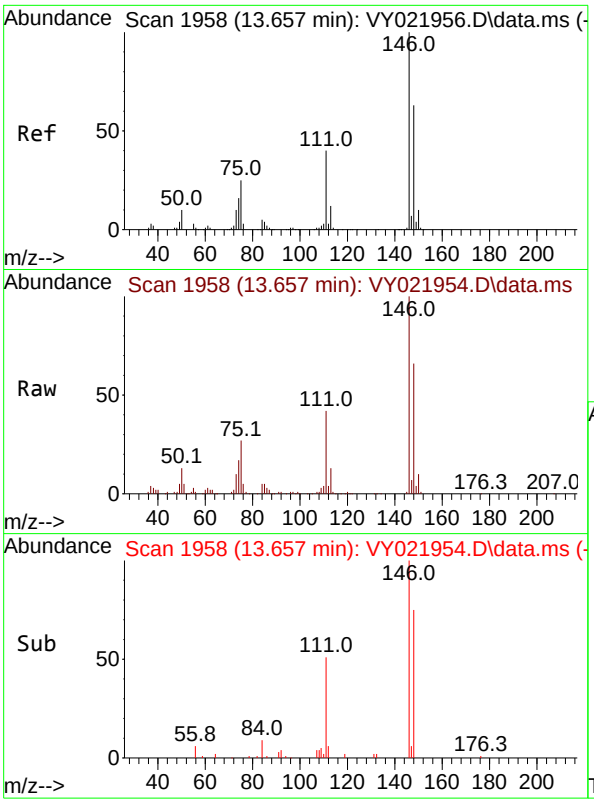


#90
Hexachloroethane
Concen: 10.541 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:117 Resp: 30881

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.7	116.1



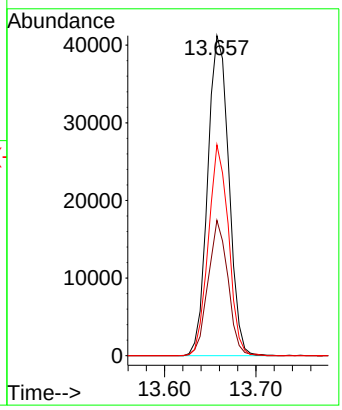


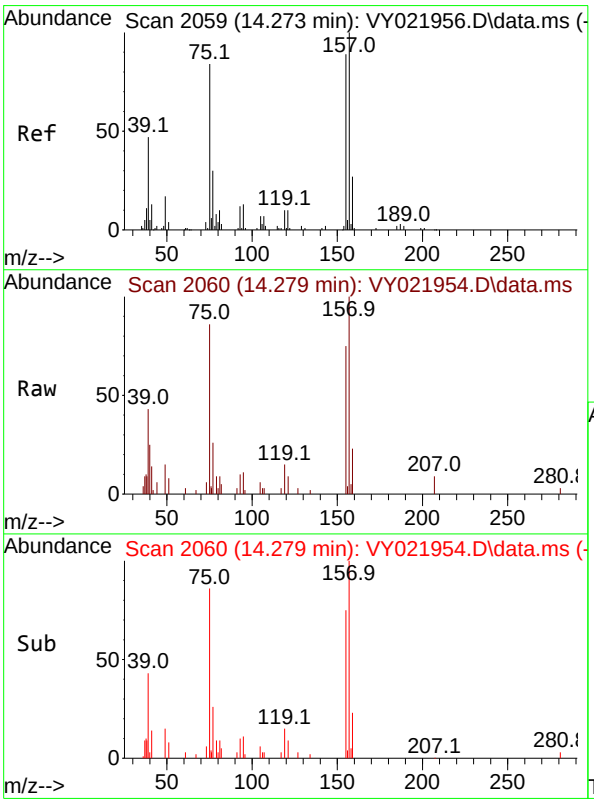
#91
1,2-Dichlorobenzene
Concen: 10.178 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 66159

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	62.9	32.1	96.3

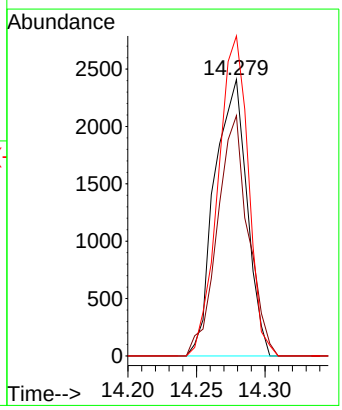


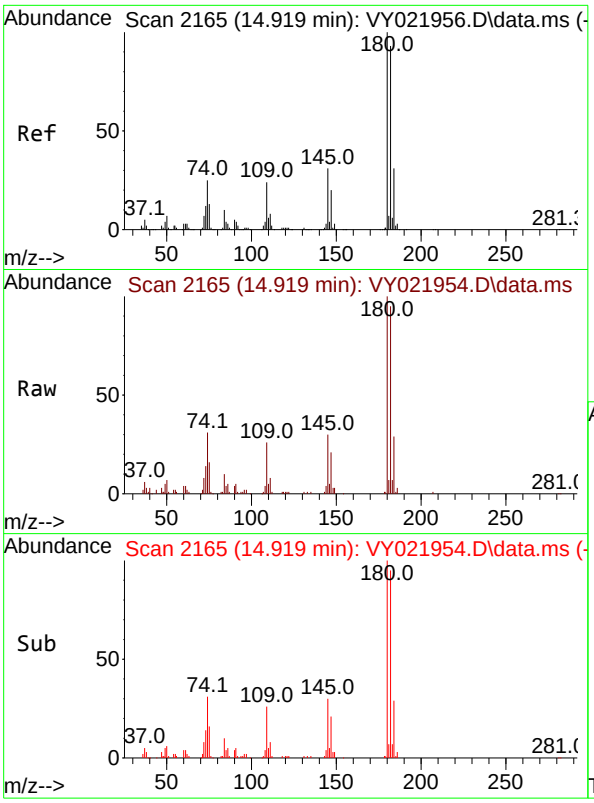


#92
1,2-Dibromo-3-Chloropropane
Concen: 10.153 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 75 Resp: 3955

Ion	Ratio	Lower	Upper
75	100		
155	82.8	50.7	152.3
157	108.3	62.6	187.8



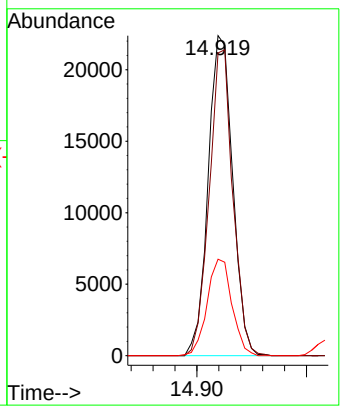


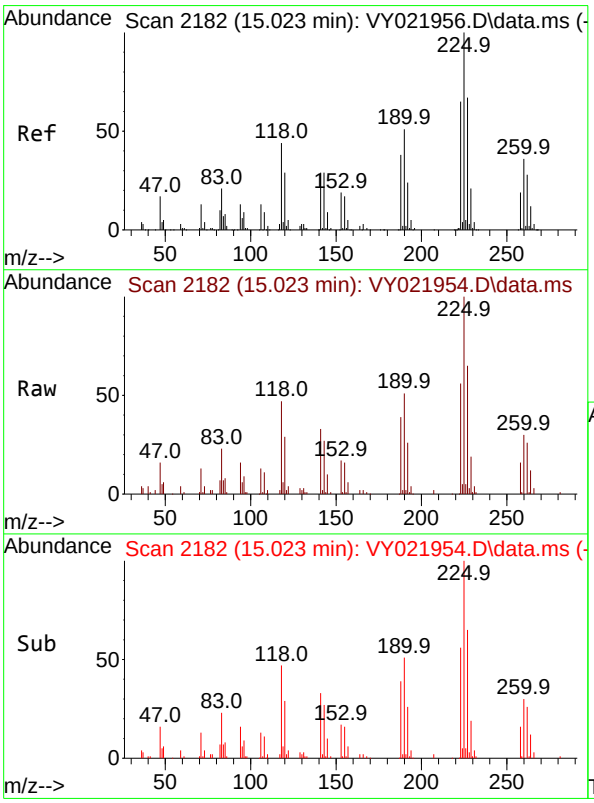
#93
1,2,4-Trichlorobenzene
Concen: 9.446 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 34793

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.1	141.4
145	30.5	15.0	45.0

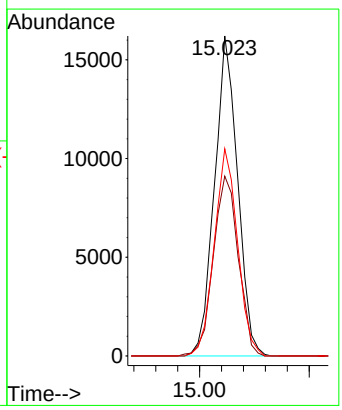


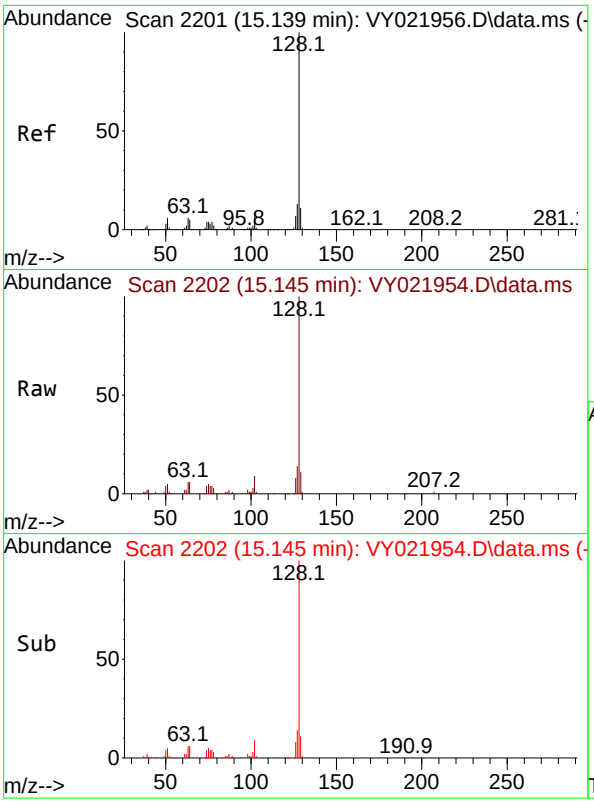


#94
Hexachlorobutadiene
Concen: 10.457 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:225 Resp: 23698

Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.9	95.5
227	65.5	32.3	96.9



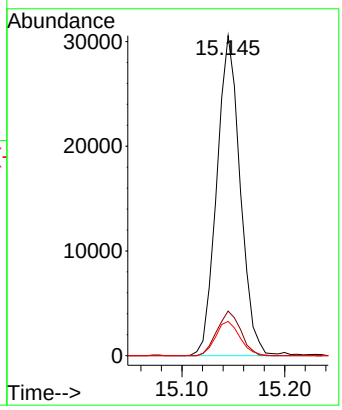


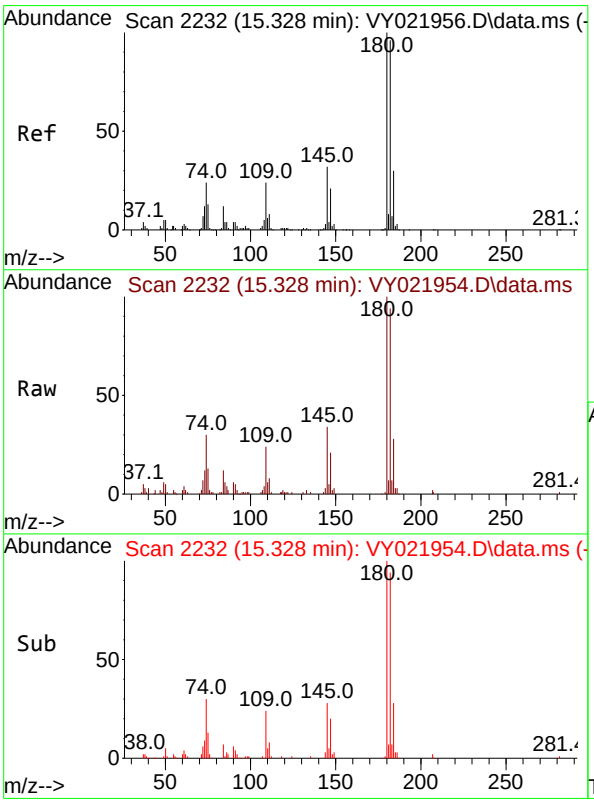
#95
Naphthalene
Concen: 7.904 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 48366

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	16.0
129	11.1	8.9	13.3

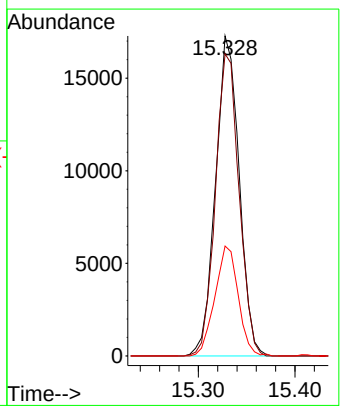




#96
1,2,3-Trichlorobenzene
Concen: 9.207 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021954.D
Acq: 22 Apr 2025 14:44

Tgt Ion:180 Resp: 29276

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.4
145	34.0	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 39.780%#			
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 40.000%#			
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 38.900%#			
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 38.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.256	41	42291	50.560	ug/l	#	29
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l		100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l	#	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l		96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l		98
46) Dibromomethane	9.225	93	36893	20.018	ug/l		97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l		99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l		97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l		99
52) Toluene	10.170	92	168035	19.499	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l		99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l		99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l		99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l		98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l		99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l		98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l		98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l		99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l		99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l		99
69) o-Xylene	11.956	106	112603	18.945	ug/l		100
70) Styrene	11.969	104	191106	19.149	ug/l		99
71) Bromoform	12.133	173	39690	19.573	ug/l	#	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l		100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	69448	33.319	ug/l	#	100
77) Bromobenzene	12.530	156	73838	18.490	ug/l		97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l		99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l		96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l		100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l		99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l		100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l		99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l		98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l		99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l		98
95) Naphthalene	15.145	128	121454	18.238	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

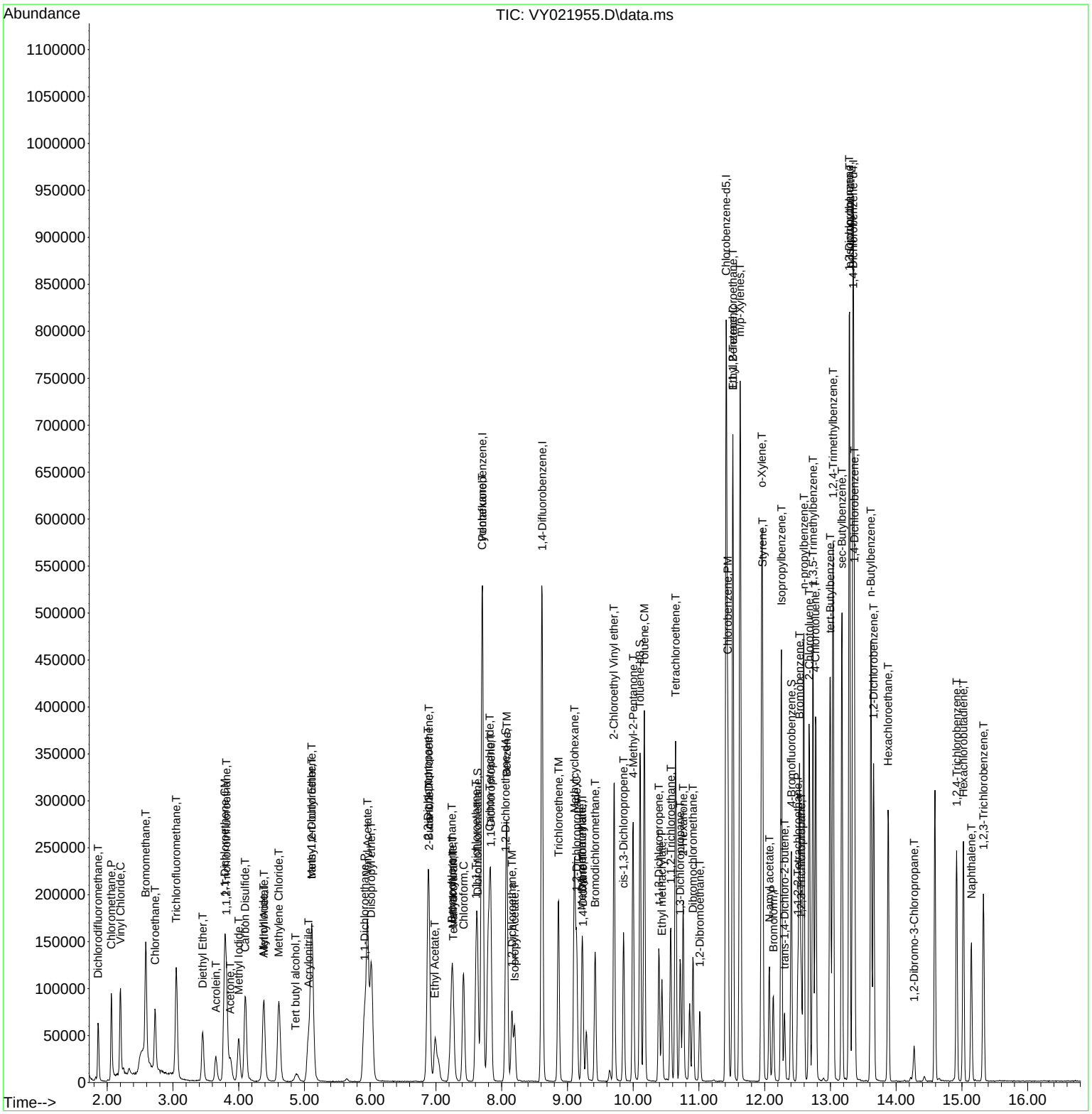
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

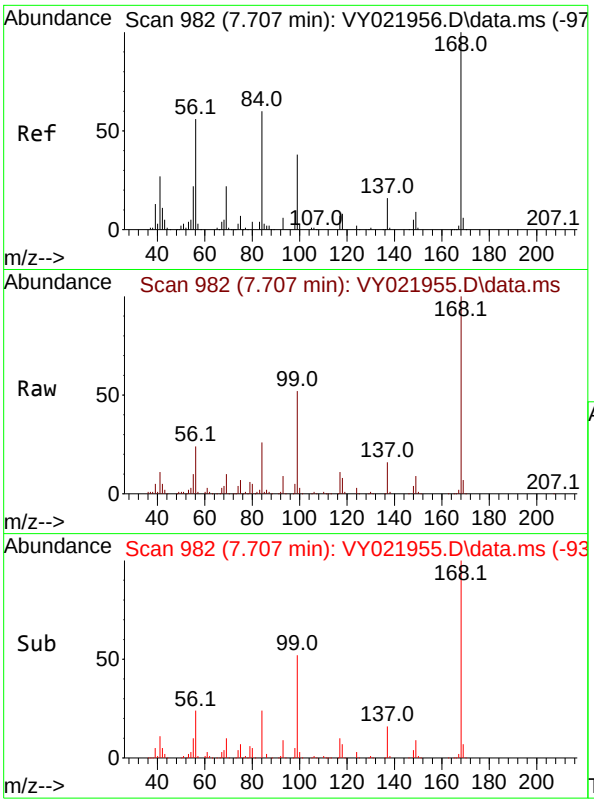
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



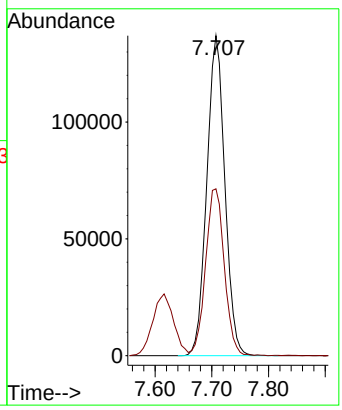


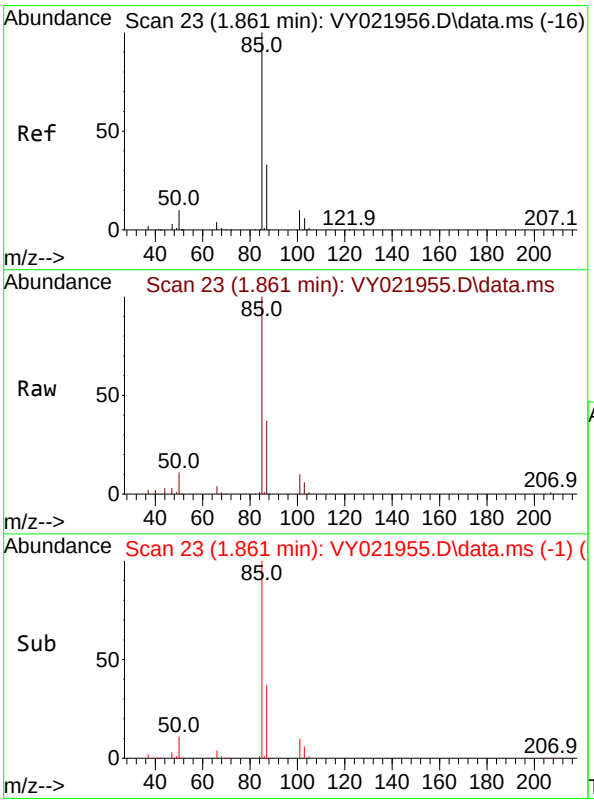
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 302781

Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7

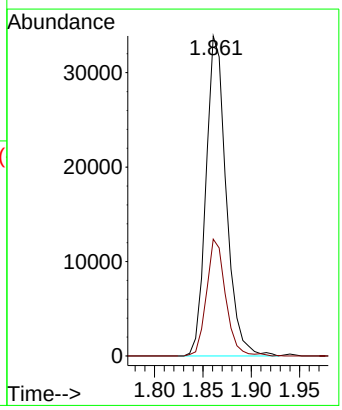


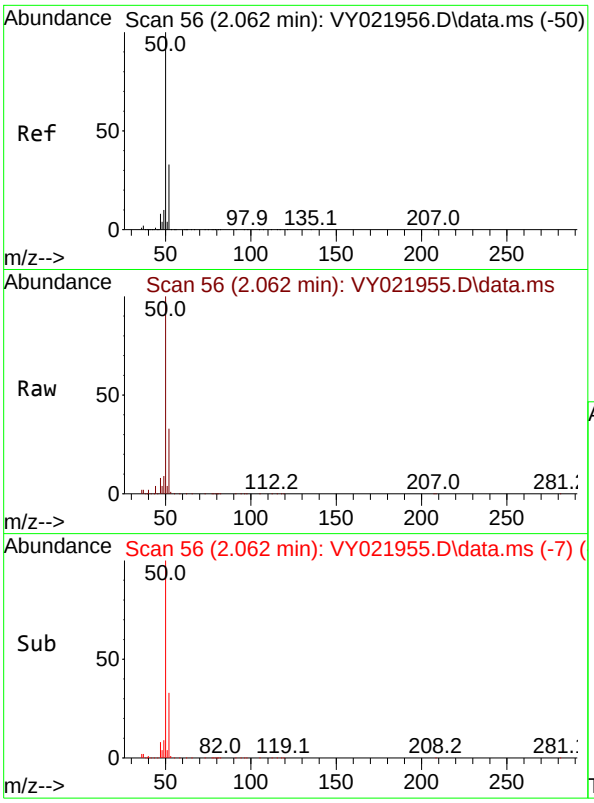


#2
Dichlorodifluoromethane
Concen: 19.018 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 85 Resp: 49065

Ion	Ratio	Lower	Upper
85	100		
87	36.5	16.6	49.7



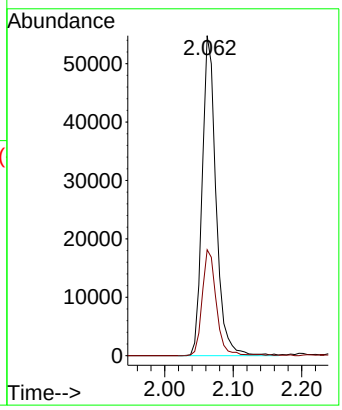


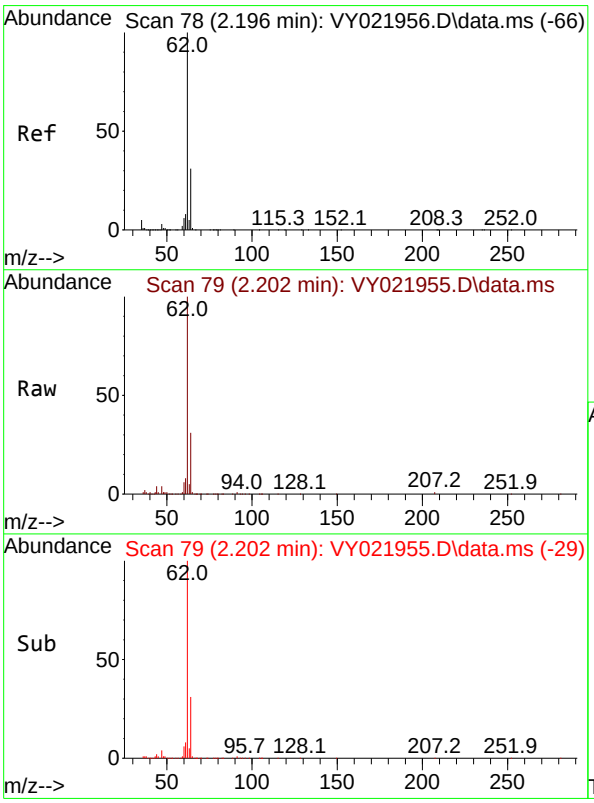
#3
Chloromethane
Concen: 20.957 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 76990

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1

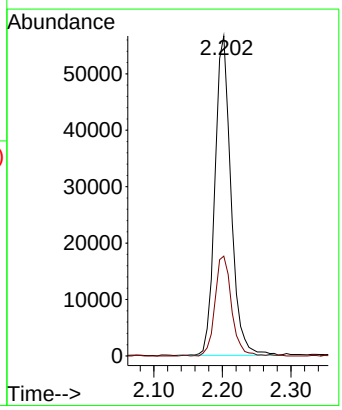


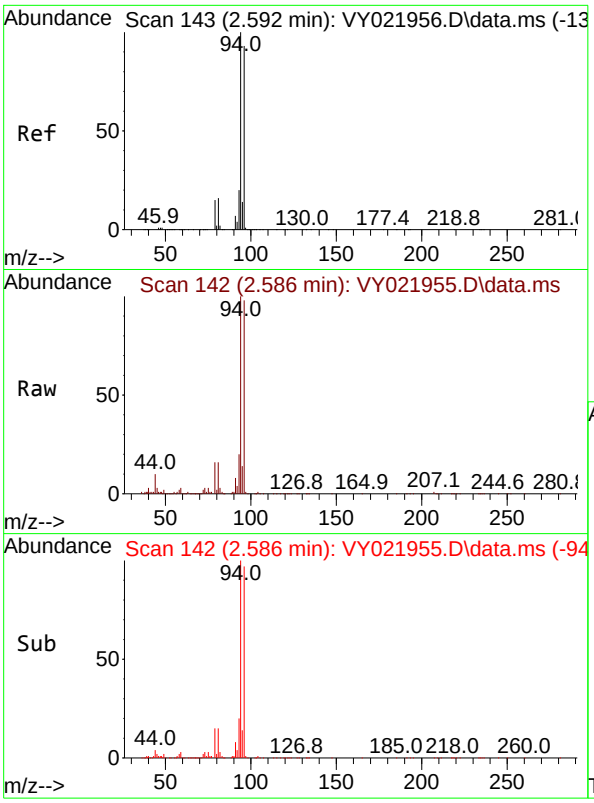


#4
Vinyl Chloride
Concen: 20.326 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 62 Resp: 91757

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.1	37.7



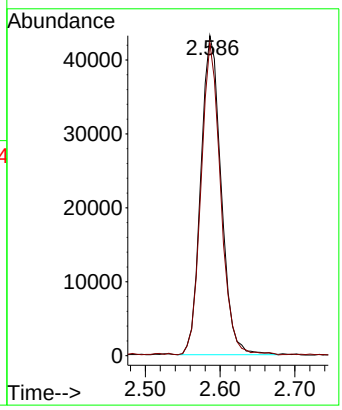


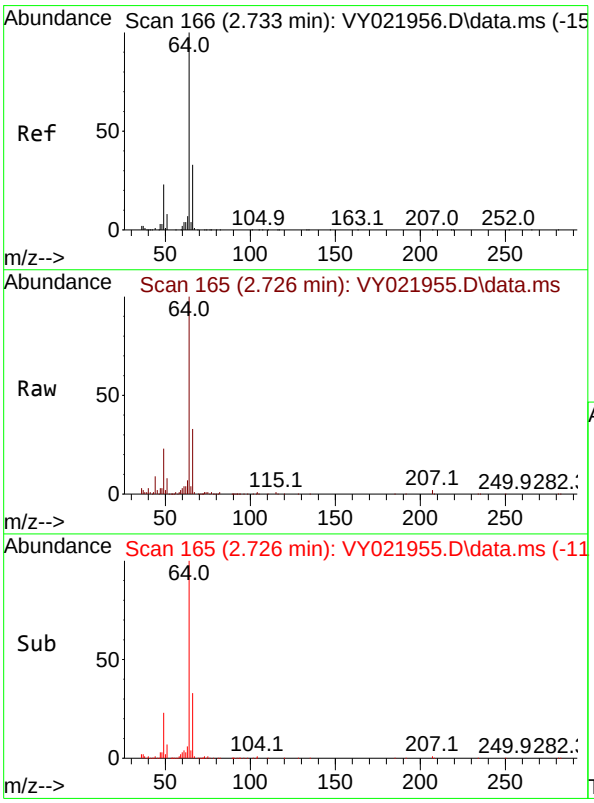
#5
Bromomethane
Concen: 20.981 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 81602

Ion	Ratio	Lower	Upper
94	100		
96	97.7	74.6	111.8

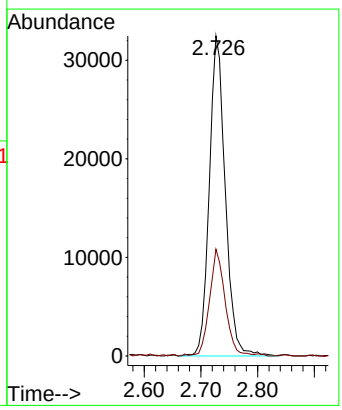


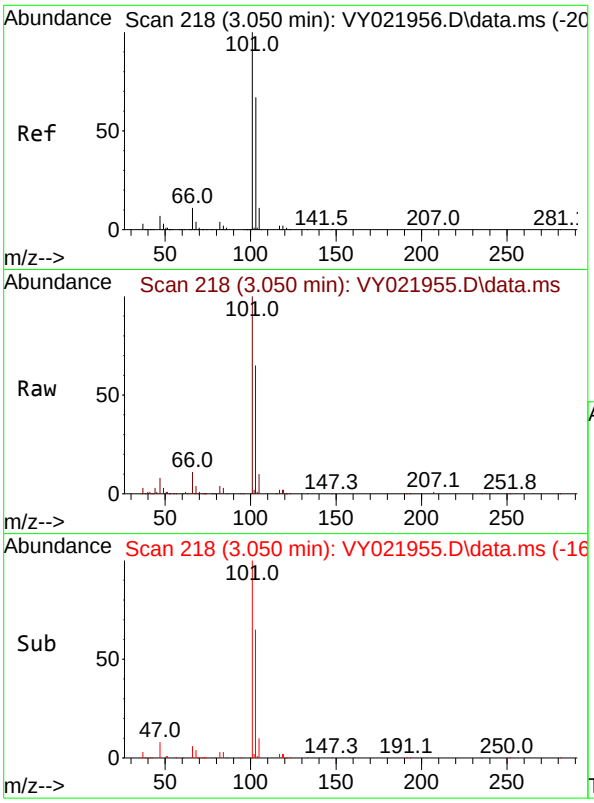


#6
Chloroethane
Concen: 20.654 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 64 Resp: 63501

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.2	39.4



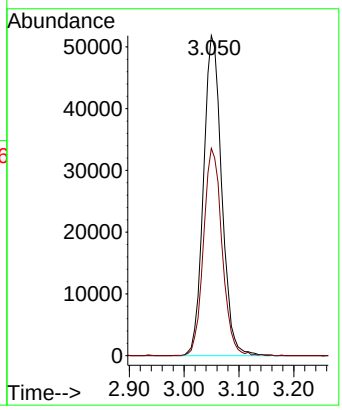


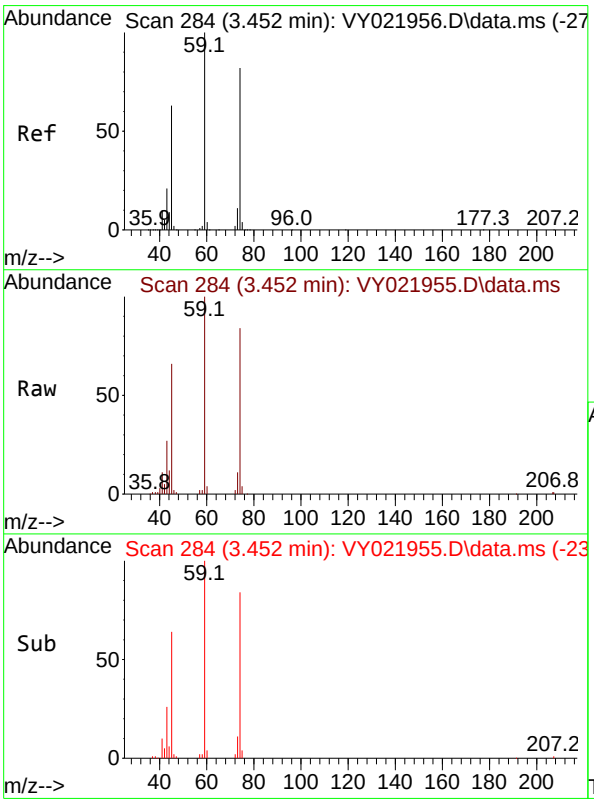
#7
Trichlorofluoromethane
Concen: 20.079 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 119529

Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.6	80.4

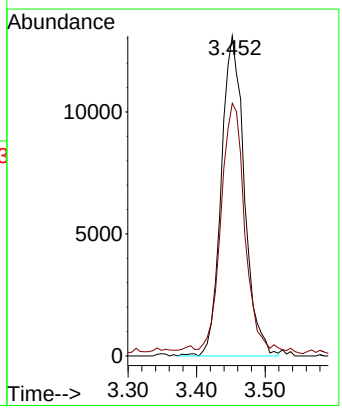


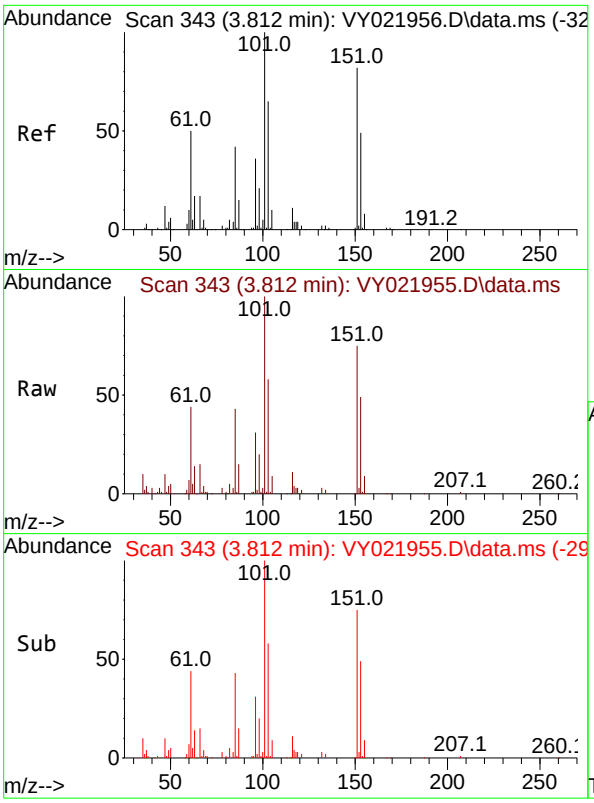


#8
Diethyl Ether
Concen: 19.755 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 74 Resp: 30609

Ion	Ratio	Lower	Upper
74	100		
45	81.9	39.1	117.5



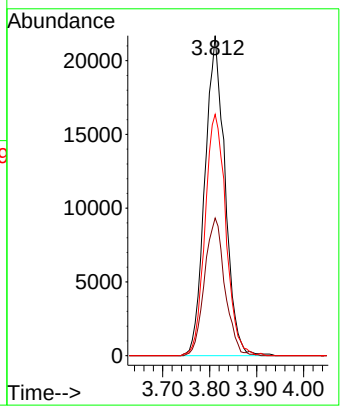


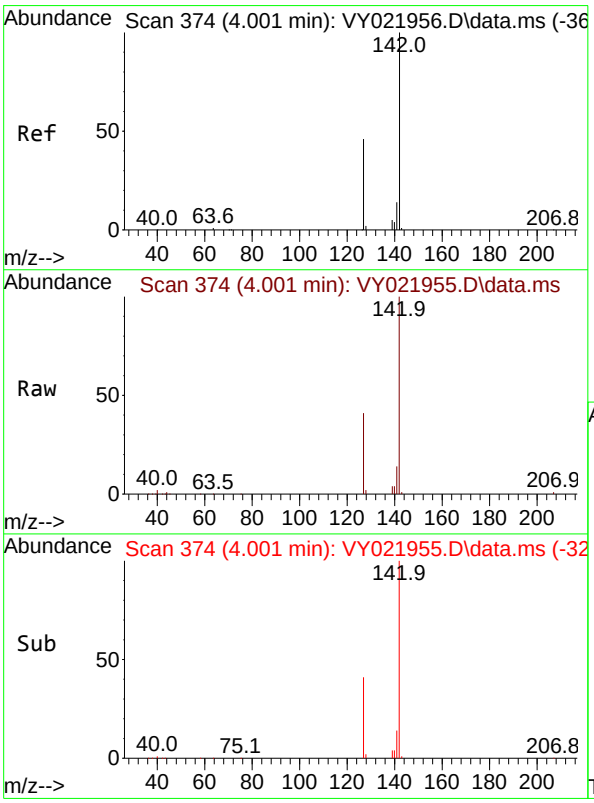
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.872 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 64172

Ion	Ratio	Lower	Upper
101	100		
85	43.7	34.6	51.8
151	78.5	63.7	95.5

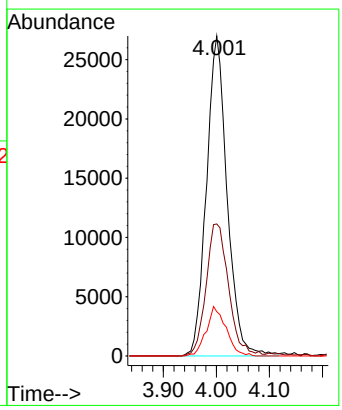


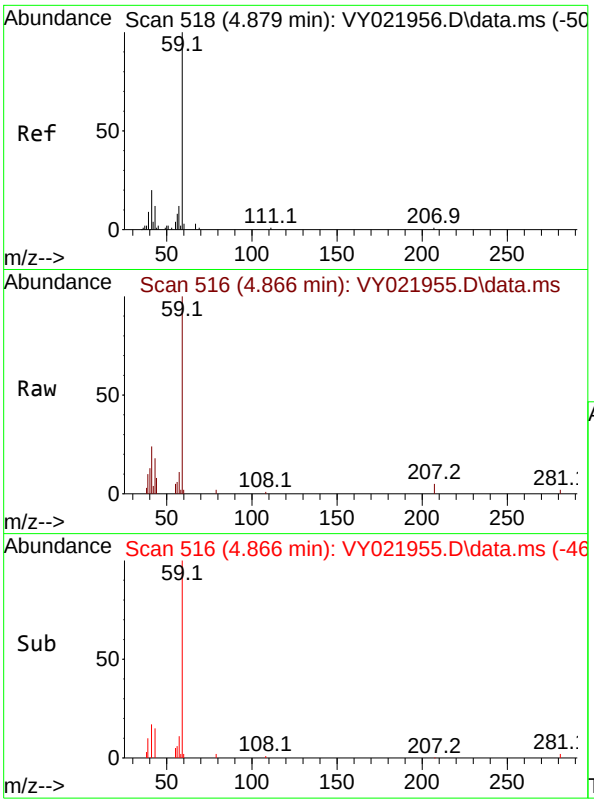


#10
Methyl Iodide
Concen: 19.575 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:142 Resp: 73189

Ion	Ratio	Lower	Upper
142	100		
127	44.9	36.2	54.2
141	14.8	11.7	17.5



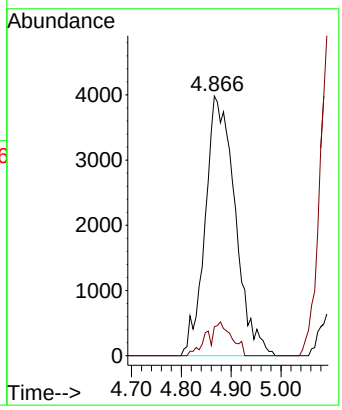


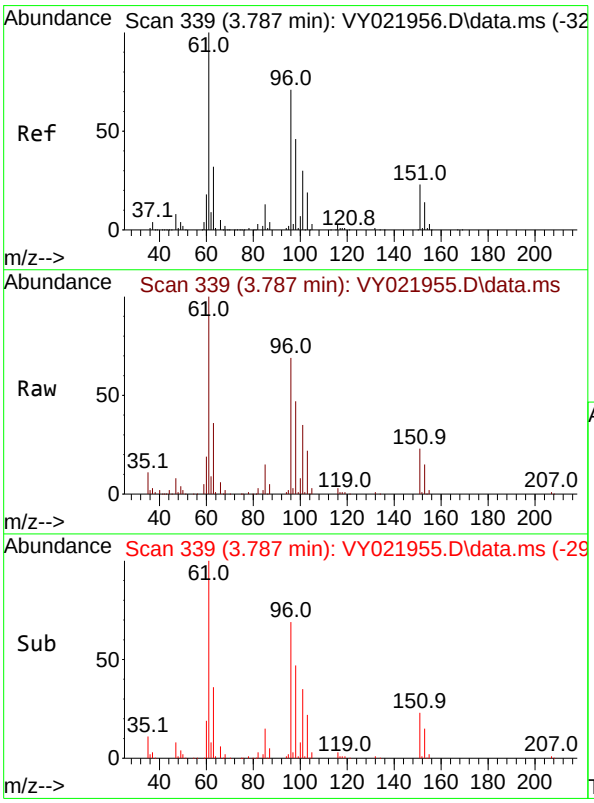
#11
Tert butyl alcohol
Concen: 108.012 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 16584

Ion	Ratio	Lower	Upper
59	100		
57	7.5	9.3	13.9#

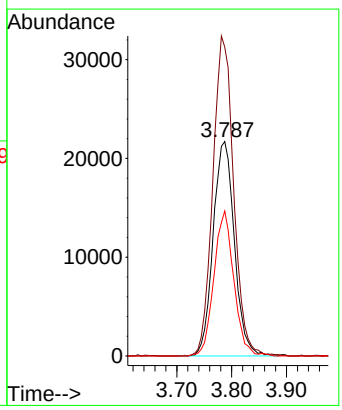


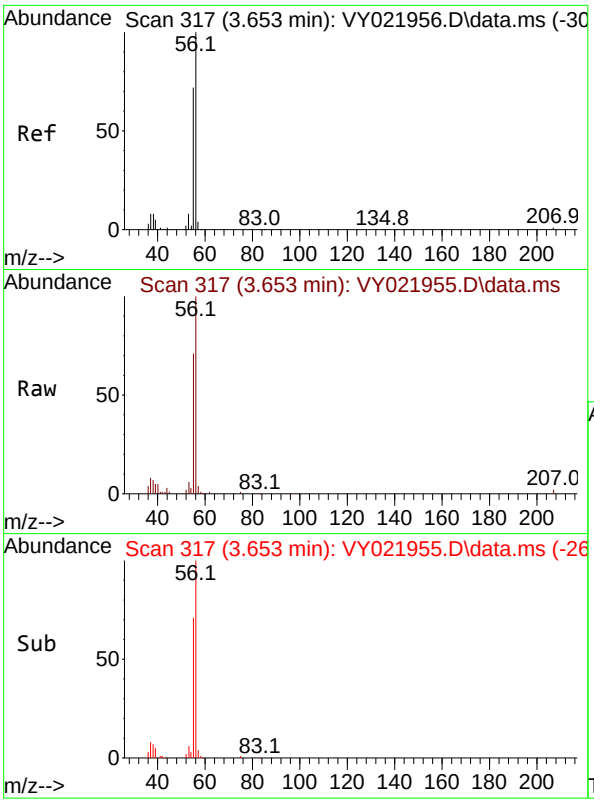


#12
1,1-Dichloroethene
Concen: 19.437 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 96 Resp: 58505

Ion	Ratio	Lower	Upper
96	100		
61	144.0	113.0	169.4
98	67.6	51.4	77.2



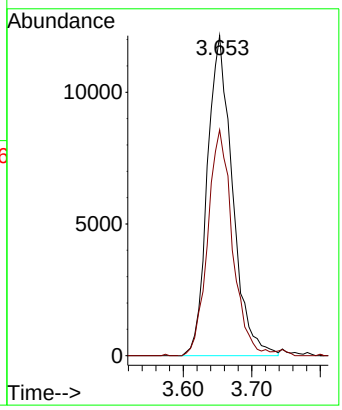


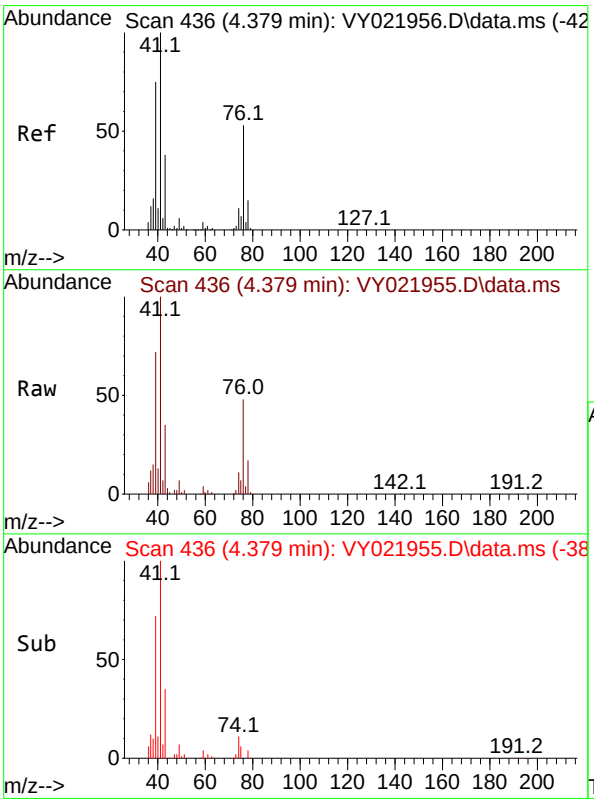
#13
Acrolein
Concen: 112.069 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 30883

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.4	86.0

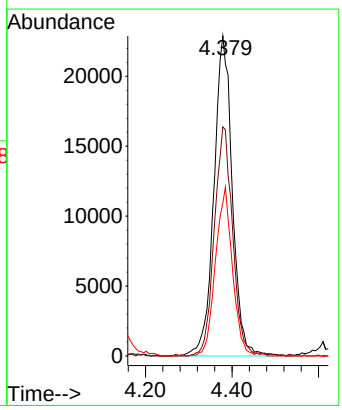


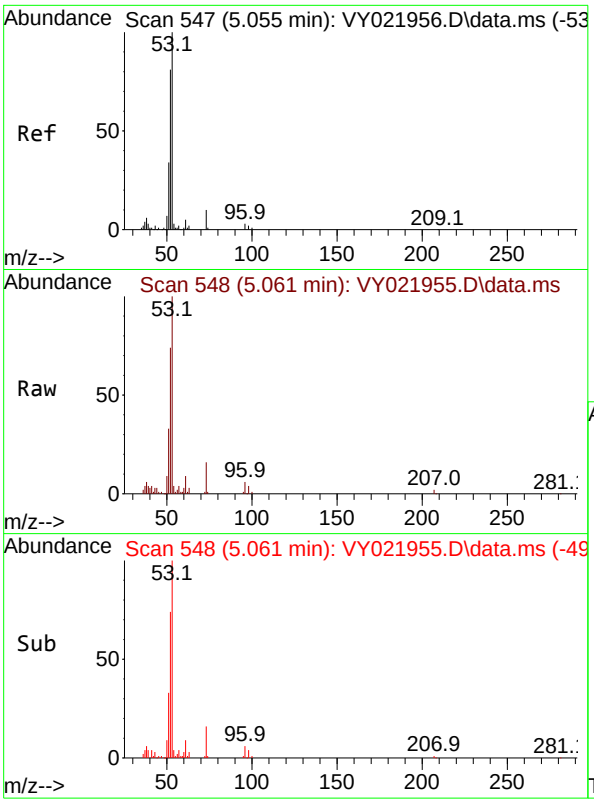


#14
Allyl chloride
Concen: 19.294 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 41 Resp: 67622

Ion	Ratio	Lower	Upper
41	100		
39	71.5	57.2	85.8
76	48.5	39.7	59.5



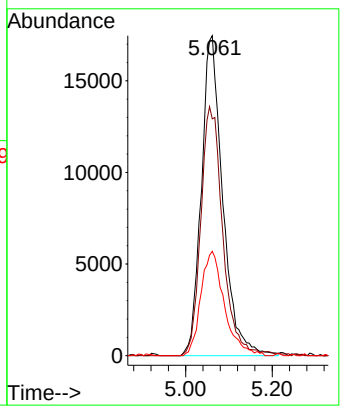


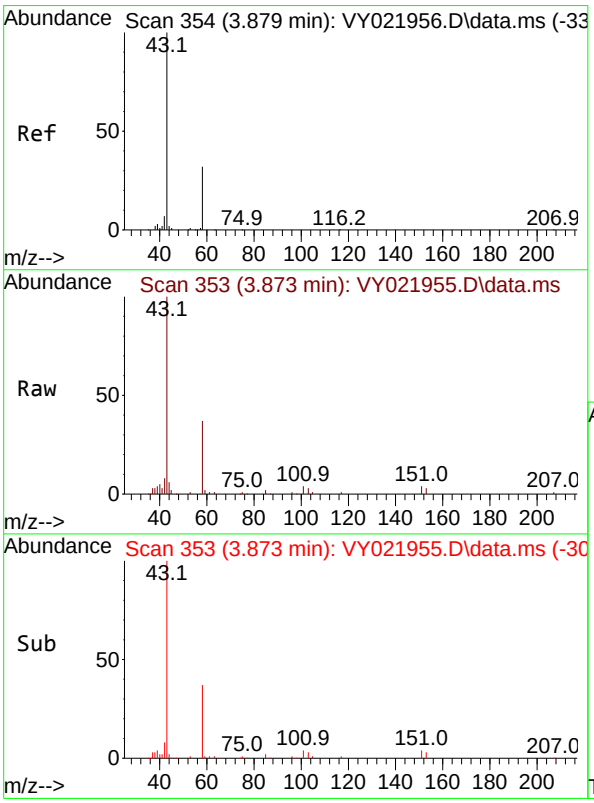
#15
Acrylonitrile
Concen: 105.648 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 59926

Ion	Ratio	Lower	Upper
53	100		
52	79.4	65.0	97.6
51	36.0	28.9	43.3

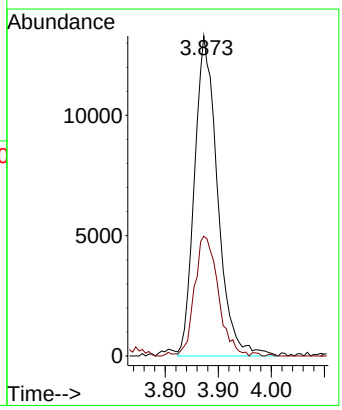


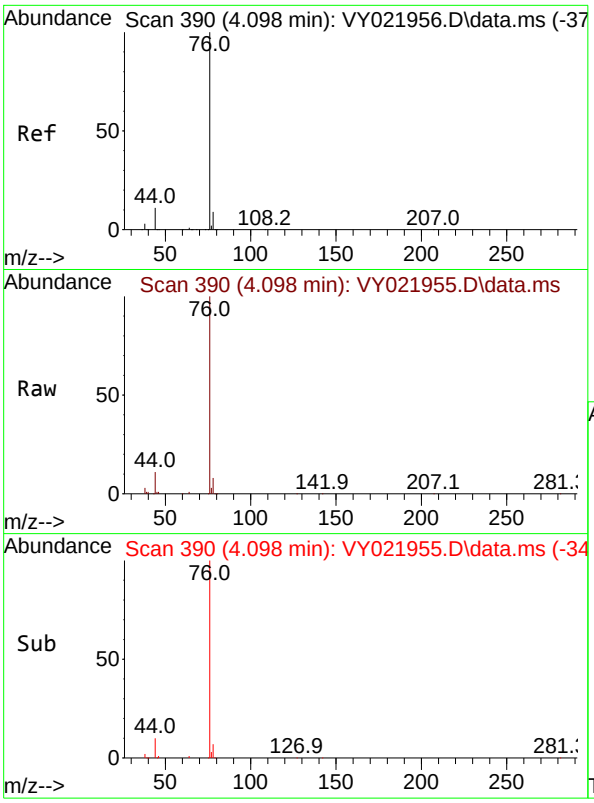


#16
Acetone
Concen: 96.689 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 40190

Ion	Ratio	Lower	Upper
43	100		
58	37.4	27.0	40.4



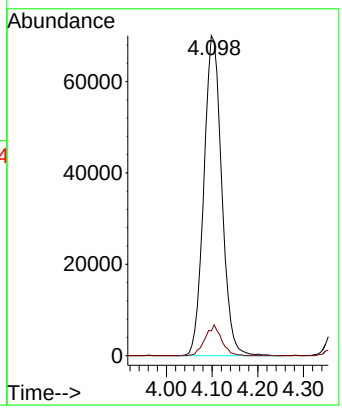


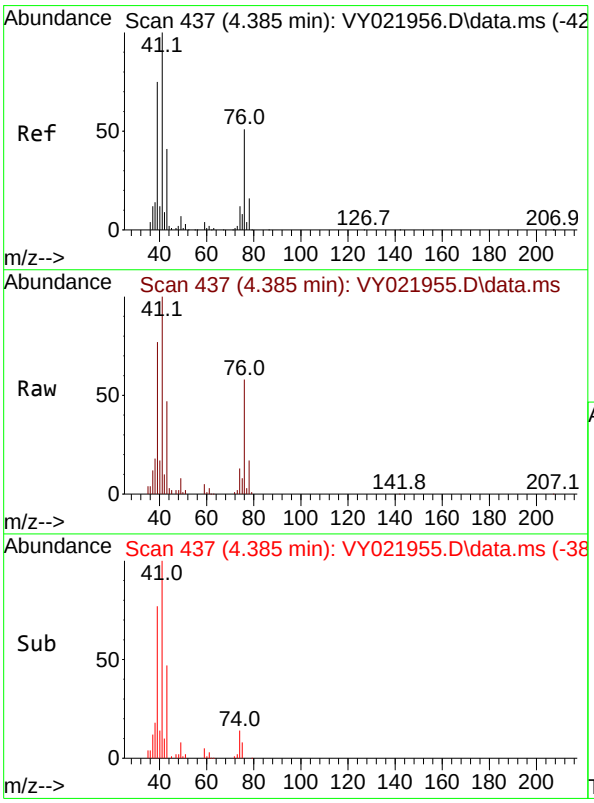
#17
Carbon Disulfide
Concen: 19.796 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 189988

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.6	11.4

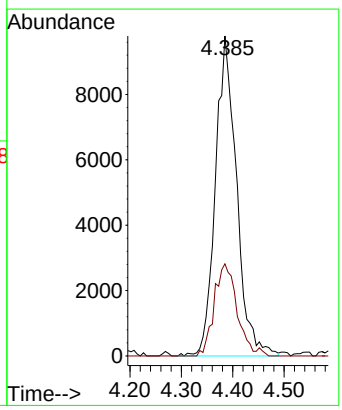


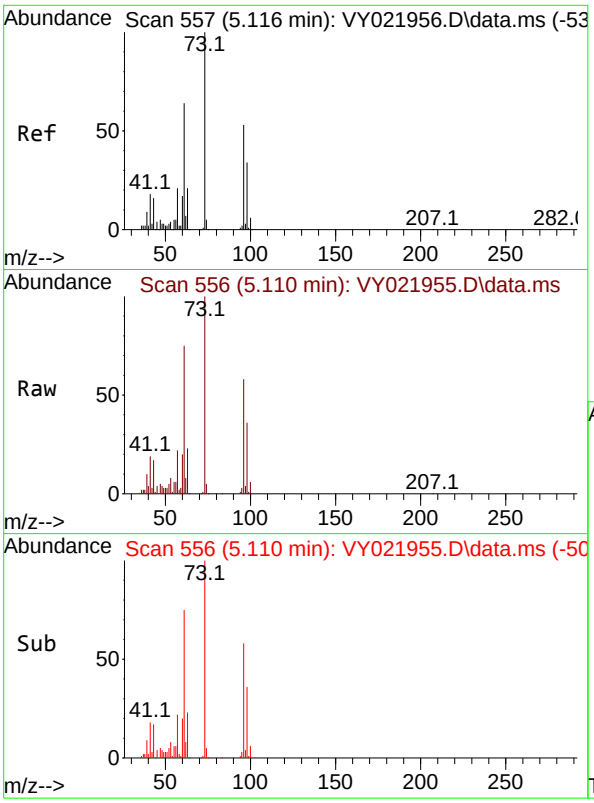


#18
Methyl Acetate
Concen: 21.423 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 27988

Ion	Ratio	Lower	Upper
43	100		
74	30.7	24.2	36.4



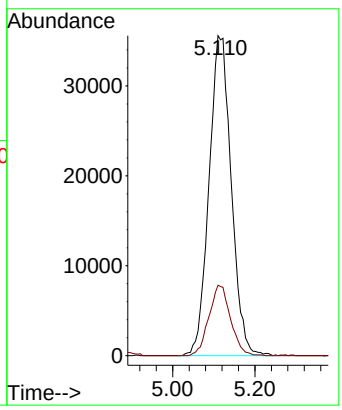


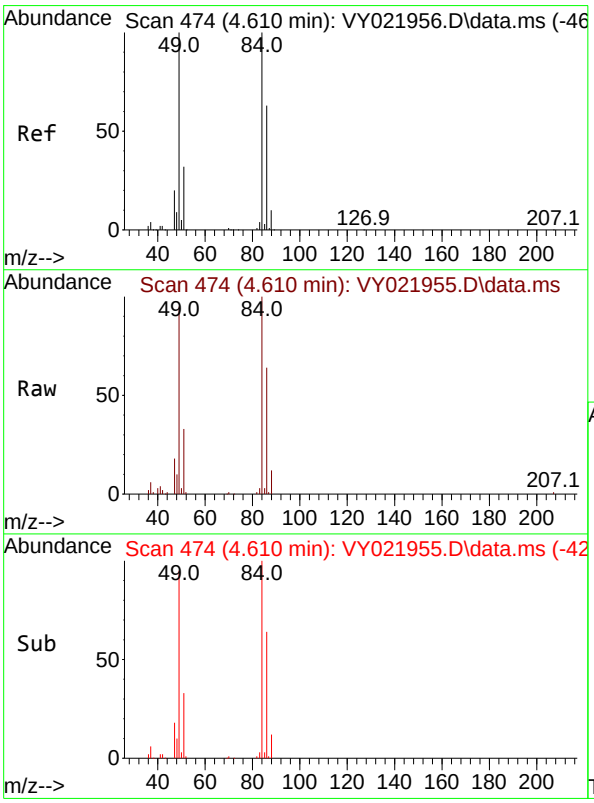
#19
Methyl tert-butyl Ether
Concen: 19.820 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 133523

Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.9	25.3

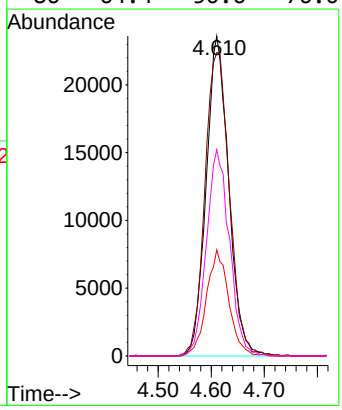


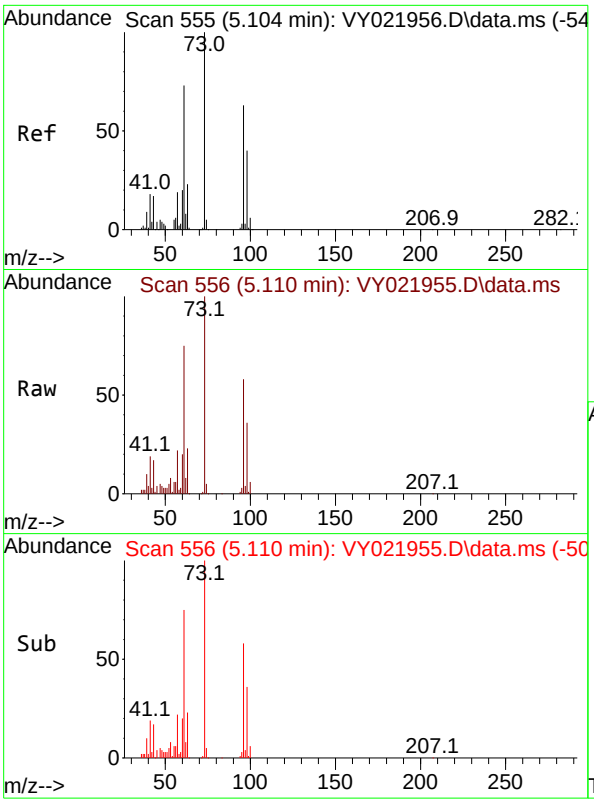


#20
Methylene Chloride
Concen: 19.673 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 84 Resp: 69571

Ion	Ratio	Lower	Upper
84	100		
49	94.8	79.9	119.9
51	33.2	25.4	38.0
86	64.4	50.6	76.0



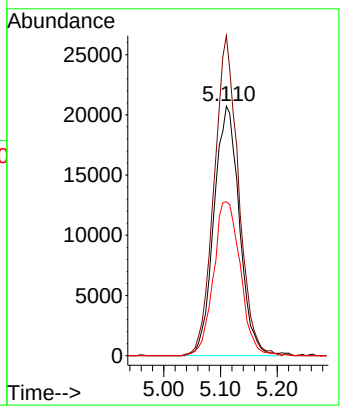


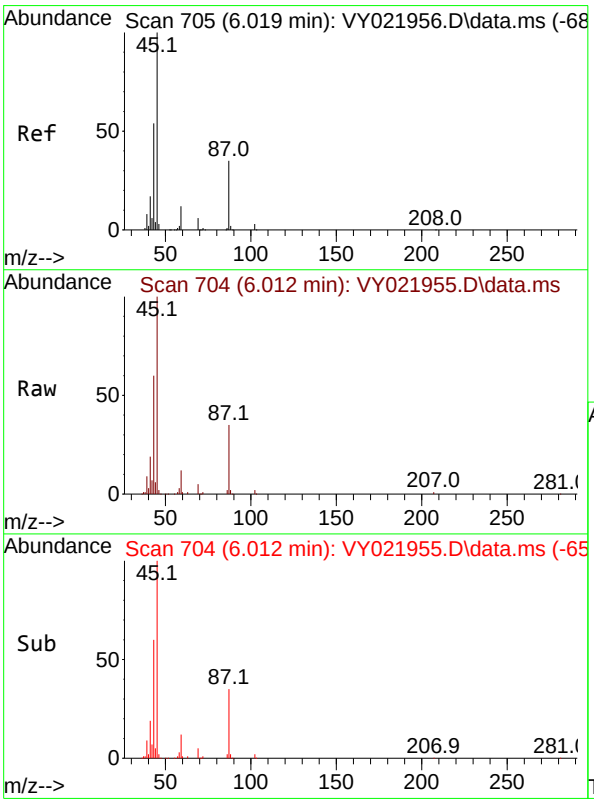
#21
trans-1,2-Dichloroethene
Concen: 19.148 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 64547

Ion	Ratio	Lower	Upper
96	100		
61	128.2	92.6	138.8
98	61.7	50.2	75.4

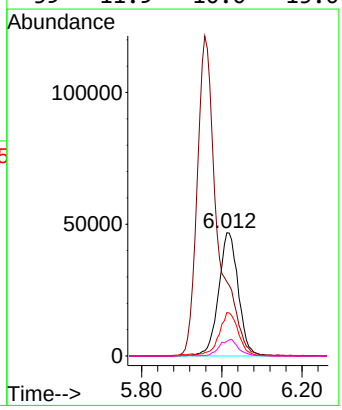


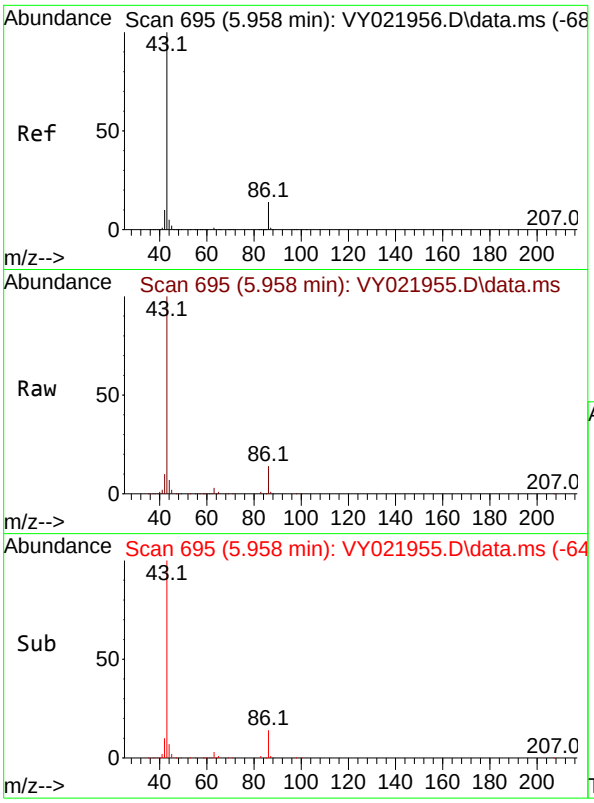


#22
Diisopropyl ether
Concen: 20.439 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 45 Resp: 159414

Ion	Ratio	Lower	Upper
45	100		
43	59.8	43.6	65.4
87	35.2	28.2	42.4
59	11.9	10.0	15.0



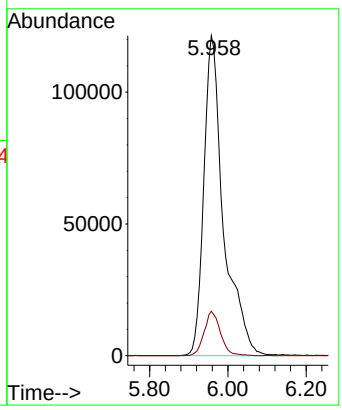


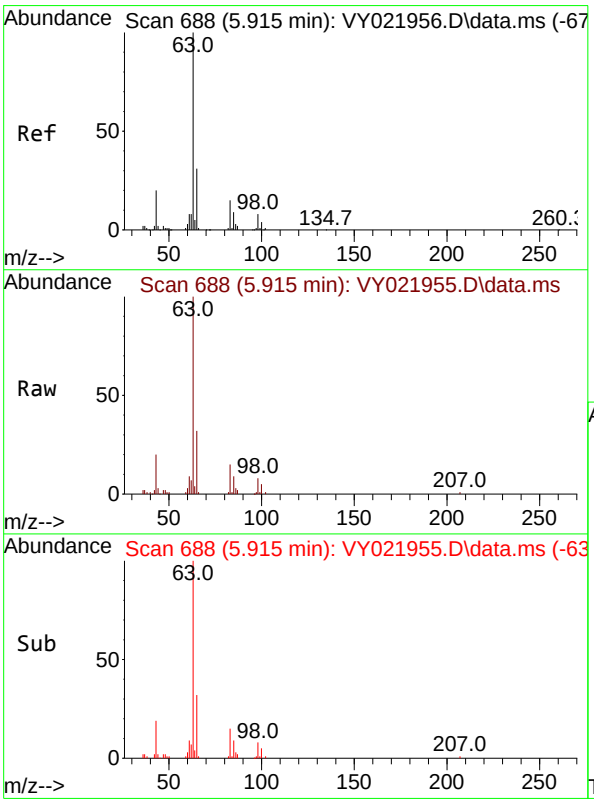
#23
Vinyl Acetate
Concen: 100.901 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 424128

Ion	Ratio	Lower	Upper
43	100		
86	13.9	11.1	16.7

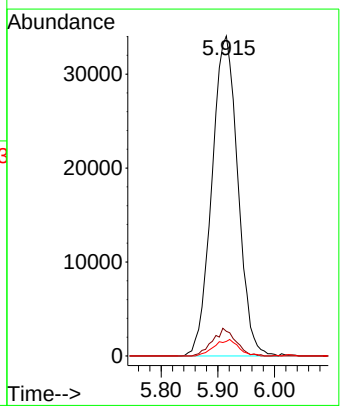


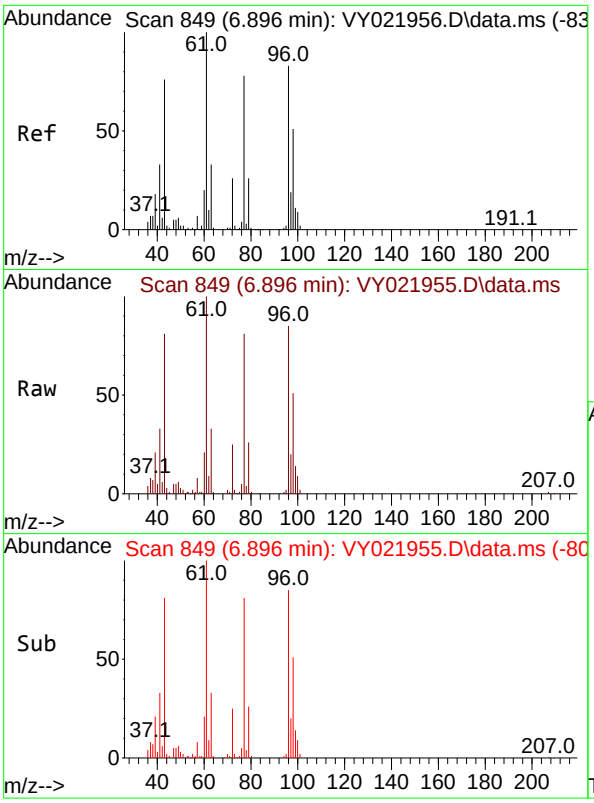


#24
1,1-Dichloroethane
Concen: 20.006 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 63 Resp: 108156

Ion	Ratio	Lower	Upper
63	100		
98	7.7	4.0	11.9
100	4.5	2.0	6.0



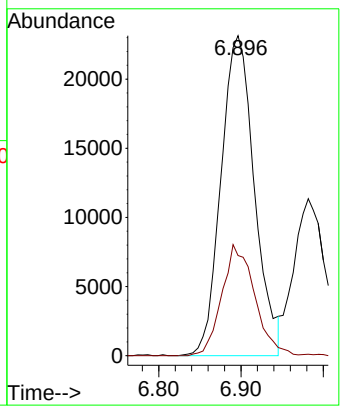


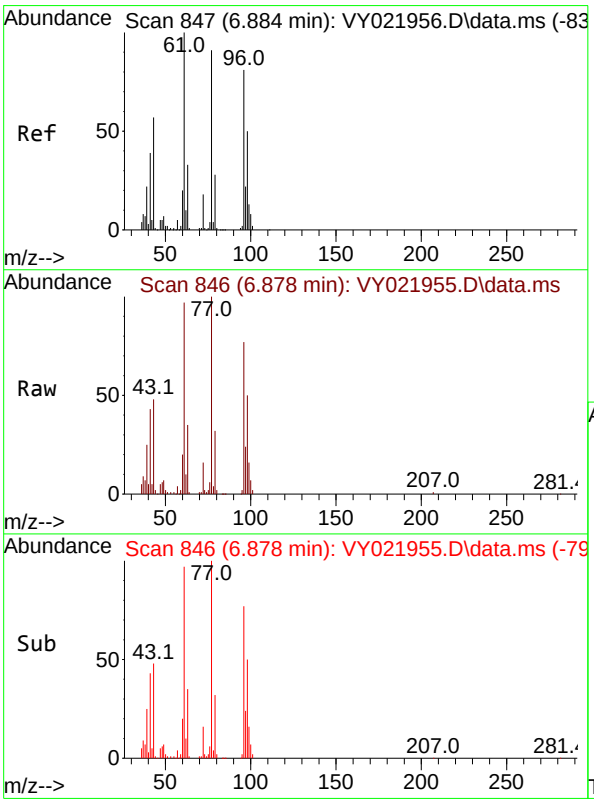
#25
2-Butanone
Concen: 102.688 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 65464

Ion	Ratio	Lower	Upper
43	100		
72	31.3	27.0	40.4

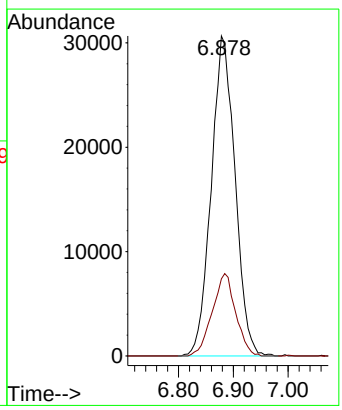


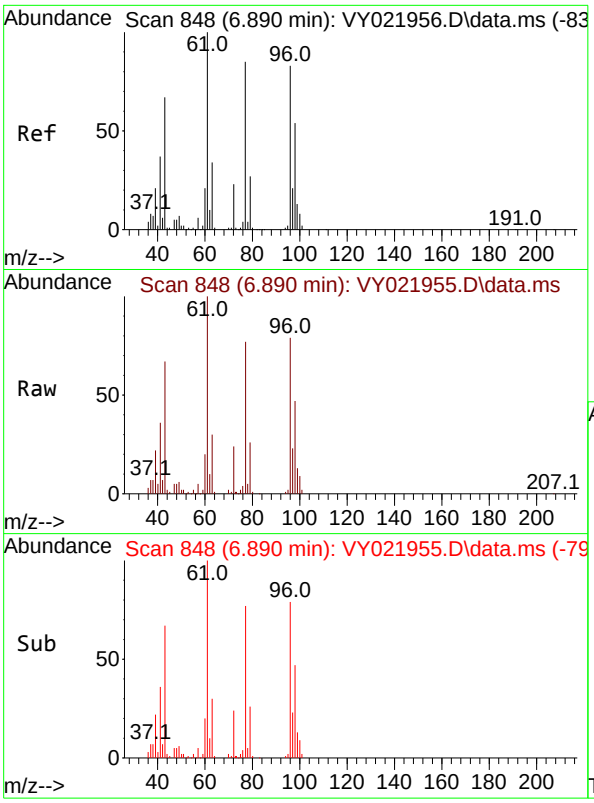


#26
2,2-Dichloropropane
Concen: 19.503 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 77 Resp: 92415

Ion	Ratio	Lower	Upper
77	100		
97	25.3	12.4	37.4



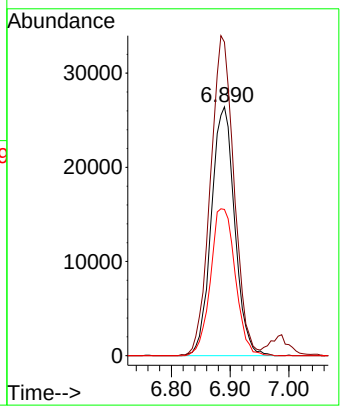


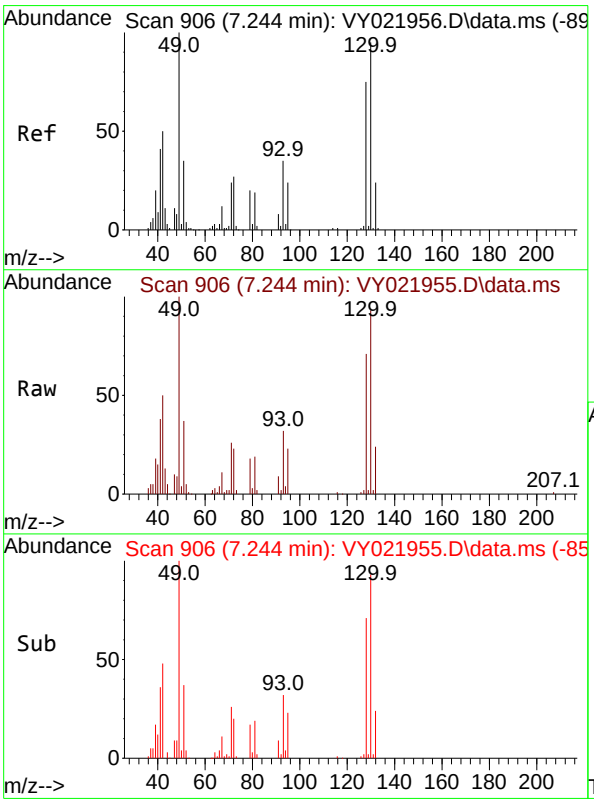
#27
cis-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 73114

Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	251.4
98	62.5	0.0	128.4

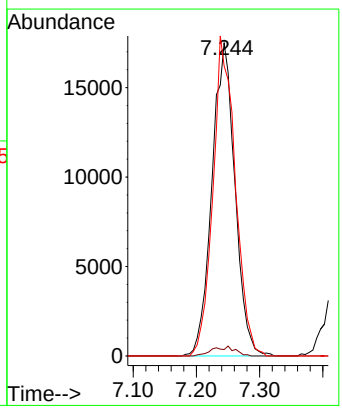


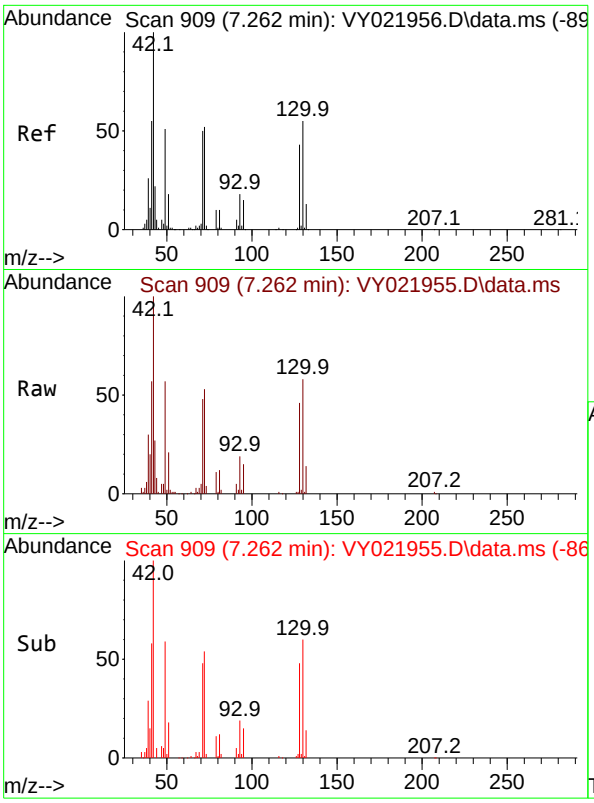


#28
Bromochloromethane
Concen: 21.027 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 49 Resp: 44154

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	5.0
130	99.1	78.2	117.4



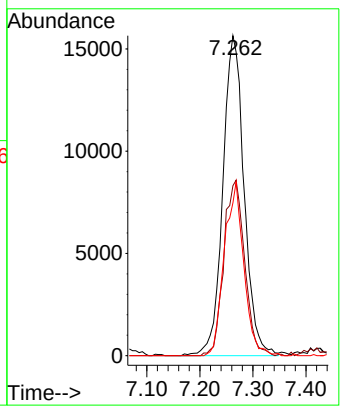


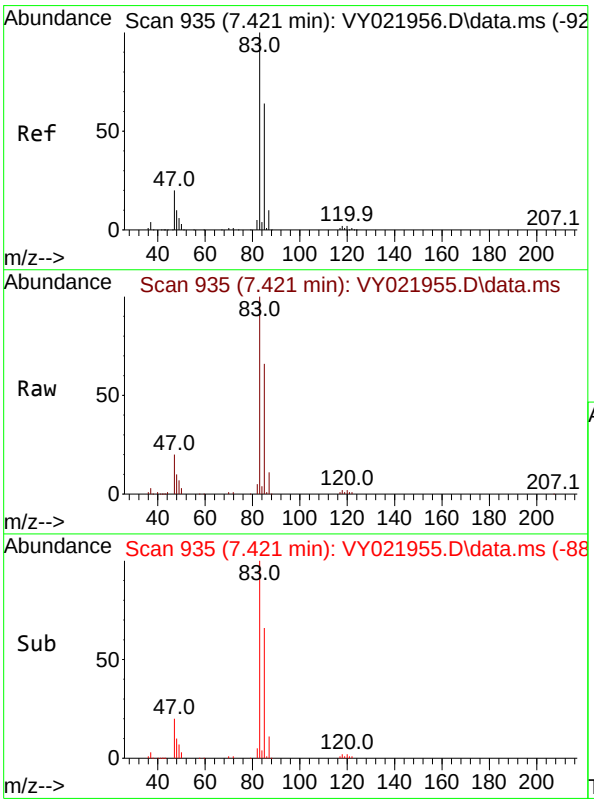
#29
Tetrahydrofuran
Concen: 105.459 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 43665

Ion	Ratio	Lower	Upper
42	100		
72	53.6	42.6	63.8
71	50.0	40.6	61.0

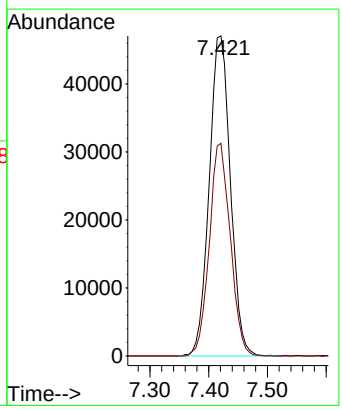


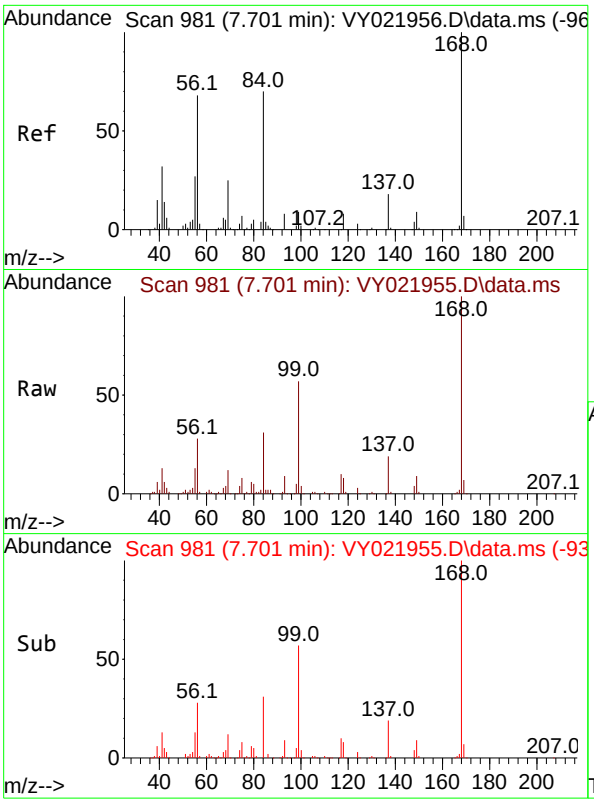


#30
Chloroform
Concen: 19.666 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 83 Resp: 117934

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.3	76.9



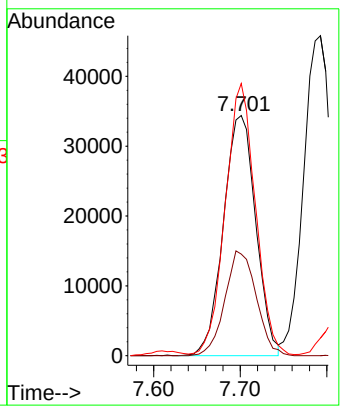


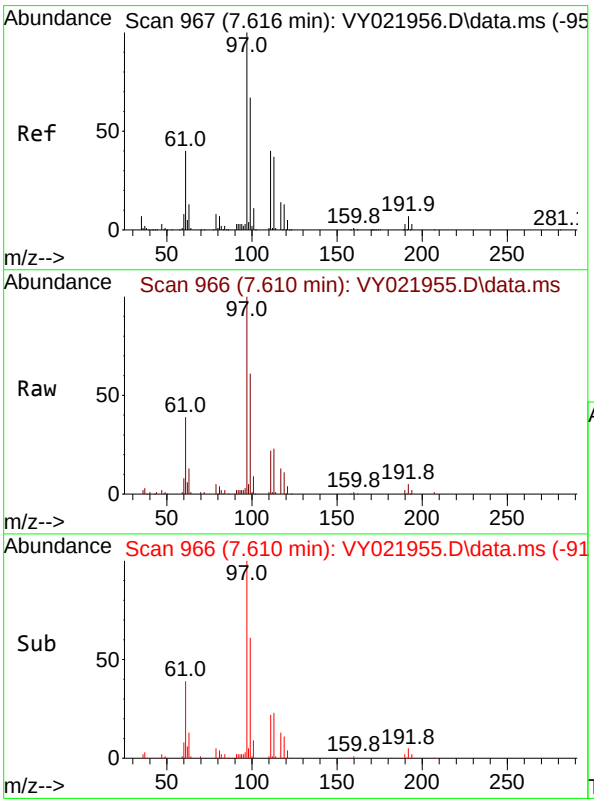
#31
Cyclohexane
Concen: 19.333 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 89380

Ion	Ratio	Lower	Upper
56	100		
69	42.3	29.4	44.2
84	112.0	82.2	123.4

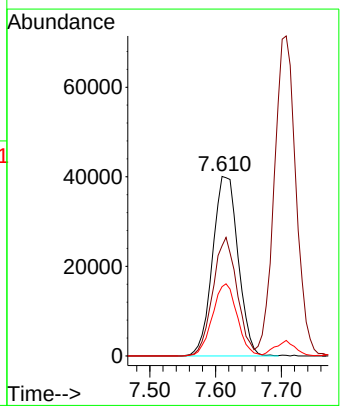


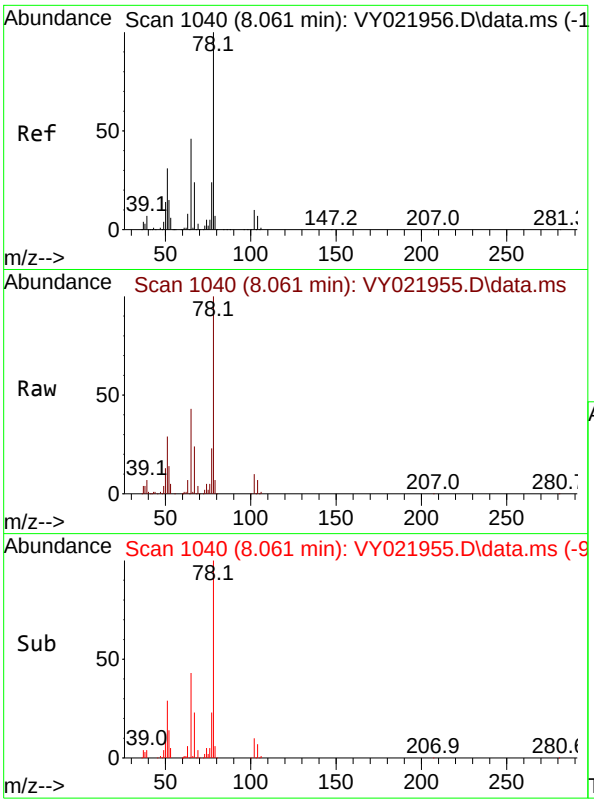


#32
1,1,1-Trichloroethane
Concen: 19.993 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 97 Resp: 108468

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.4	77.2
61	39.0	31.4	47.2



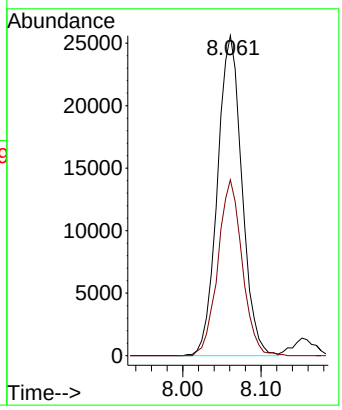


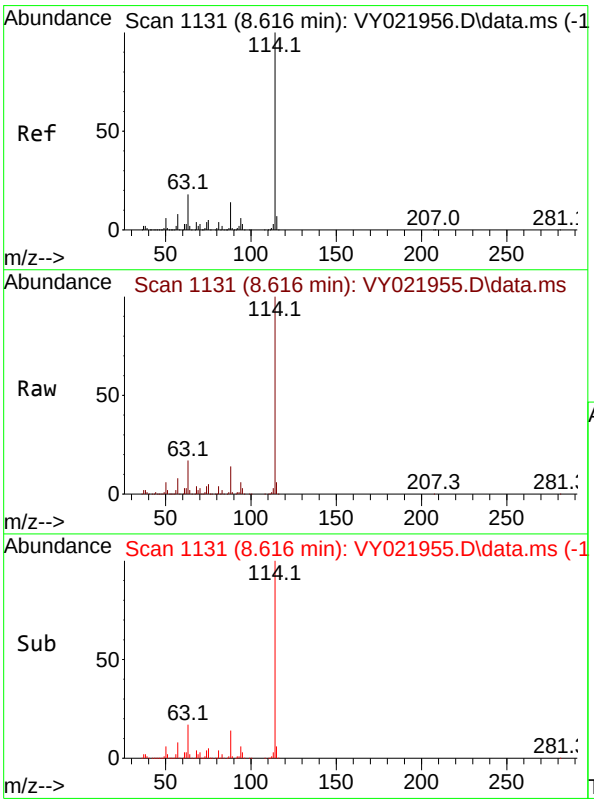
#33
1,2-Dichloroethane-d4
Concen: 19.891 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 55629

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.8

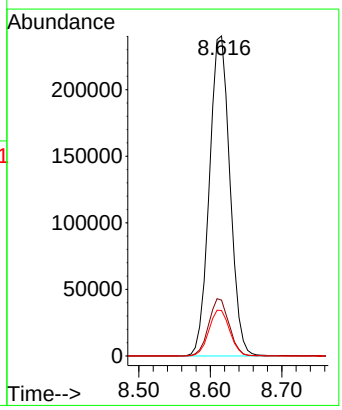


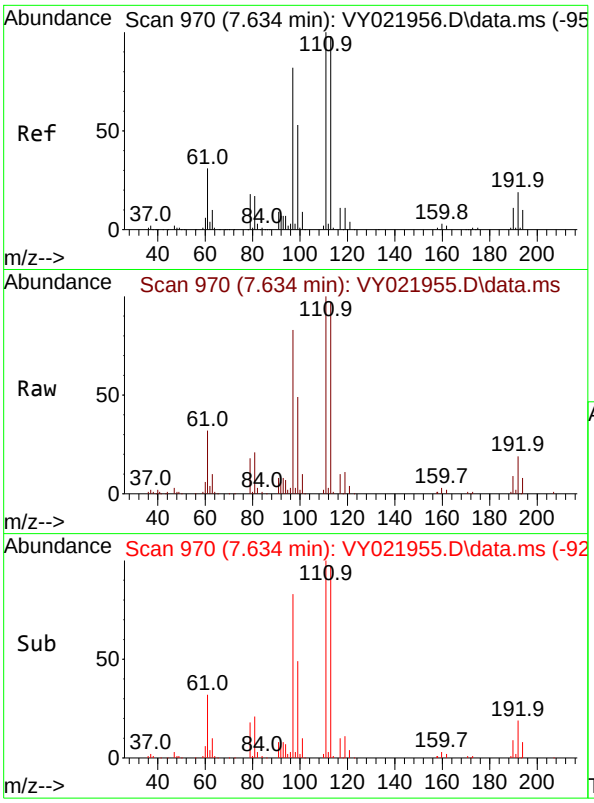


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:114 Resp: 479908

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.4
88	14.2	0.0	28.2



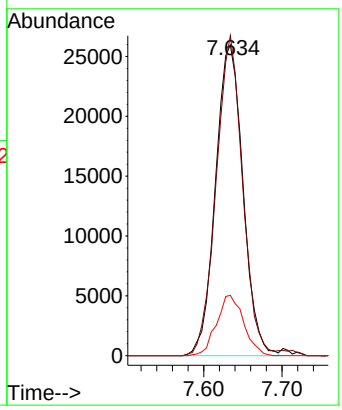


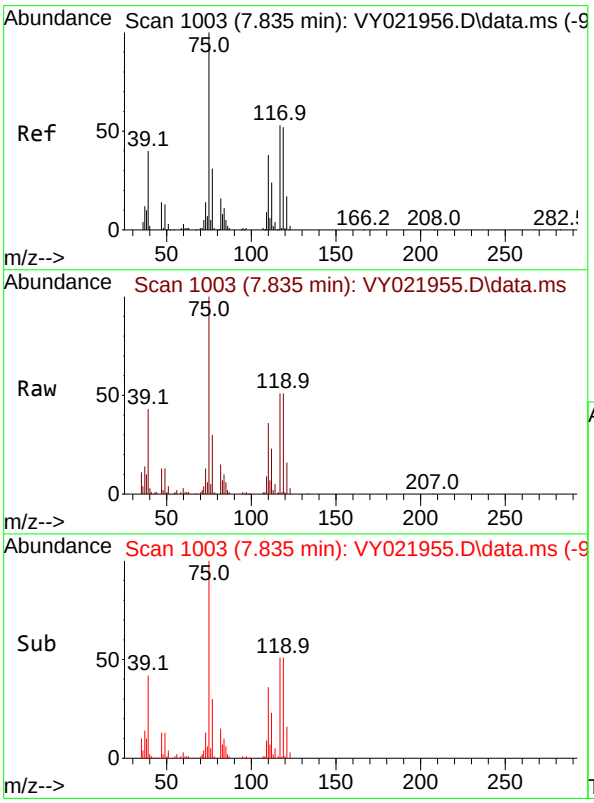
#35
Dibromofluoromethane
Concen: 20.003 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 63419

Ion	Ratio	Lower	Upper
113	100		
111	98.7	81.8	122.8
192	19.1	15.6	23.4

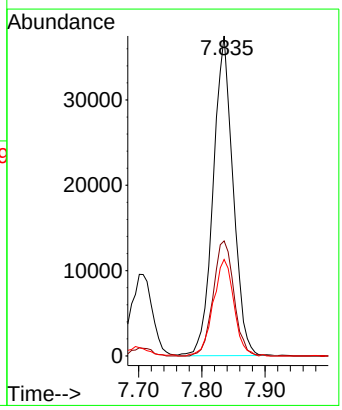


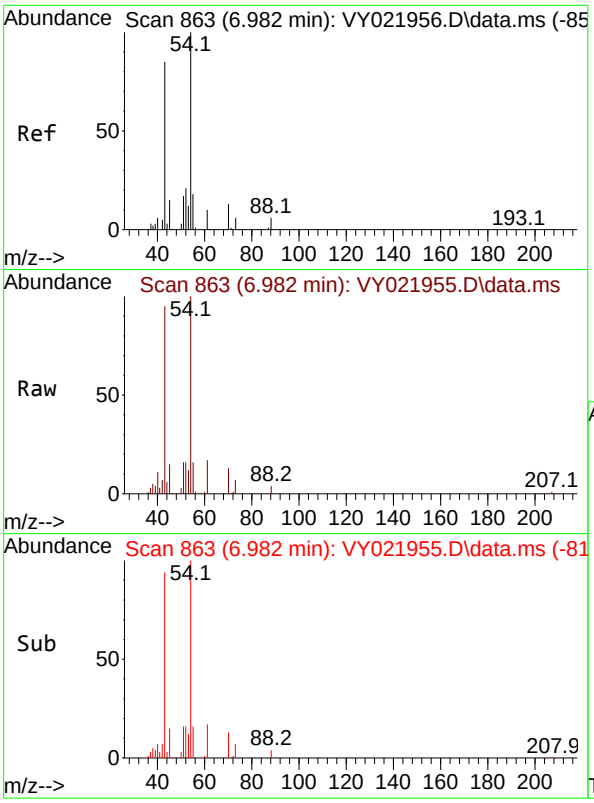


#36
1,1-Dichloropropene
Concen: 19.127 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 81459

Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.1	57.3
77	31.6	25.5	38.3



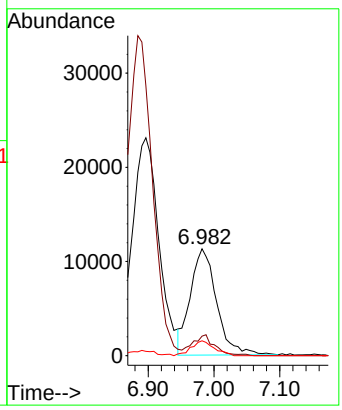


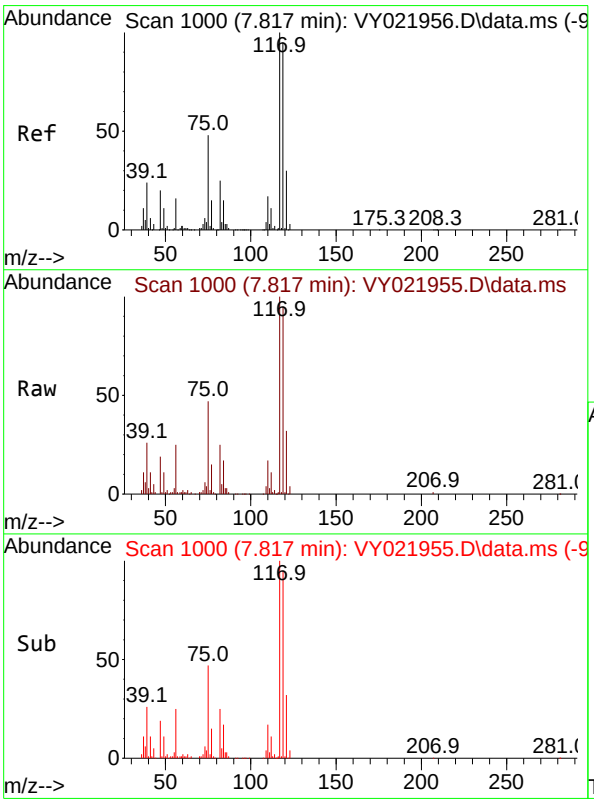
#37
Ethyl Acetate
Concen: 20.755 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 31319

Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.6
70	12.2	9.2	13.8

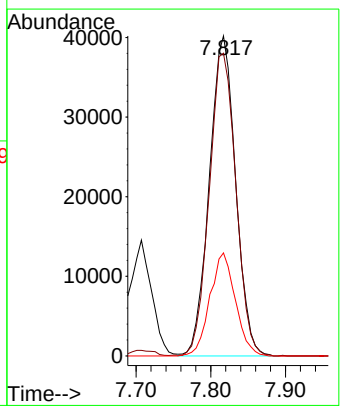


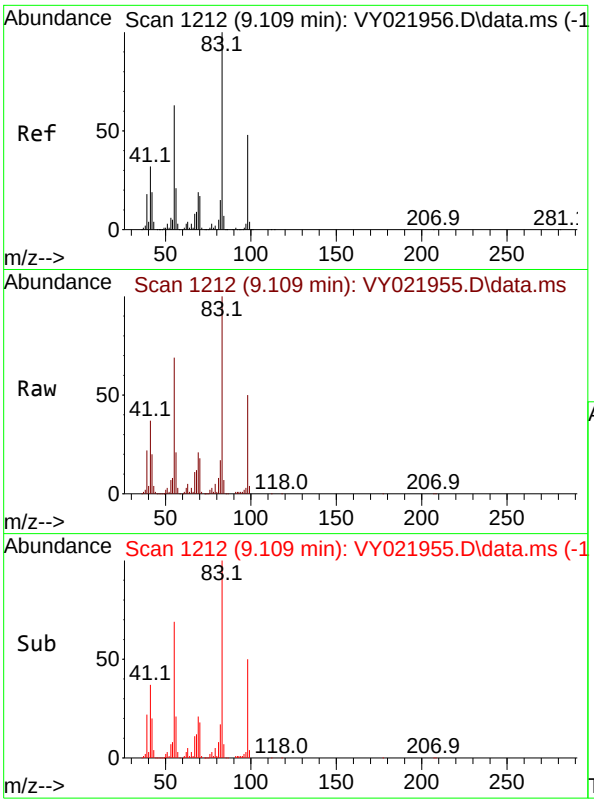


#38
Carbon Tetrachloride
Concen: 19.318 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:117 Resp: 98308

Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.2	114.4
121	32.2	24.0	36.0



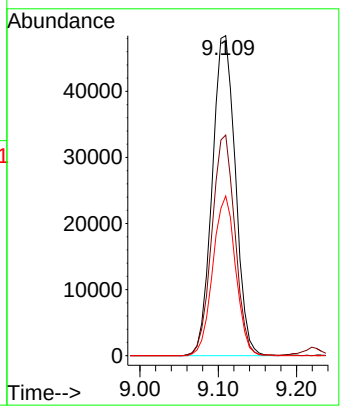


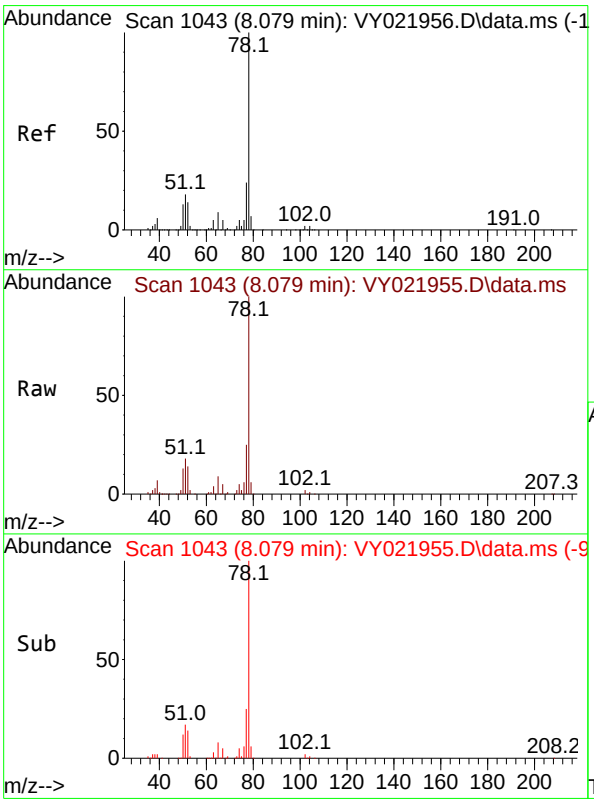
#39
Methylcyclohexane
Concen: 18.578 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 99570

Ion	Ratio	Lower	Upper
83	100		
55	69.0	50.6	75.8
98	49.9	38.6	58.0

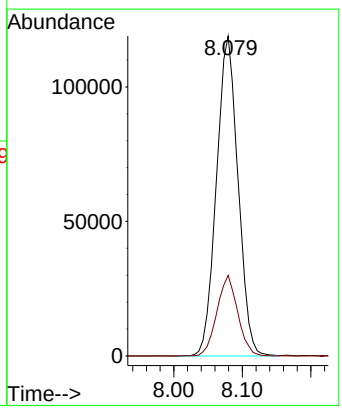


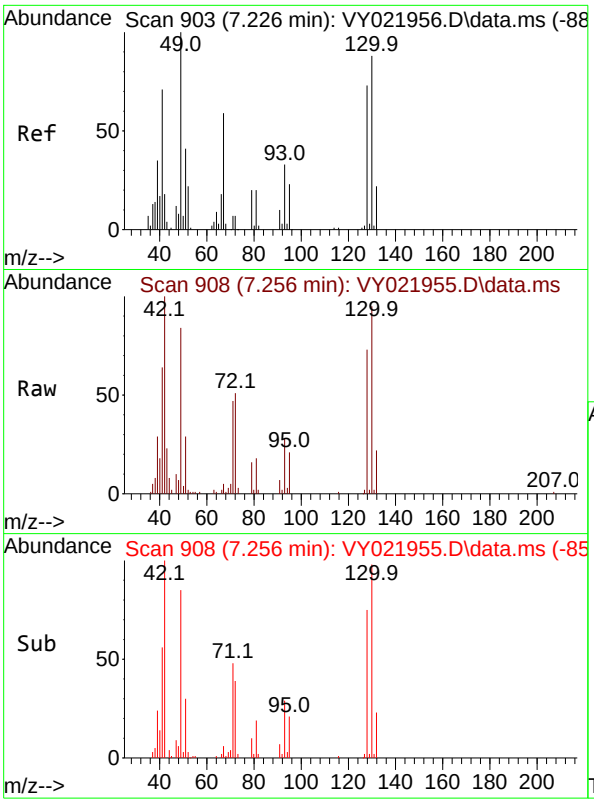


#40
Benzene
Concen: 19.482 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 78 Resp: 259371

Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.3	28.9



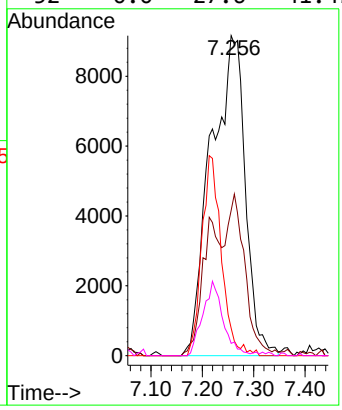


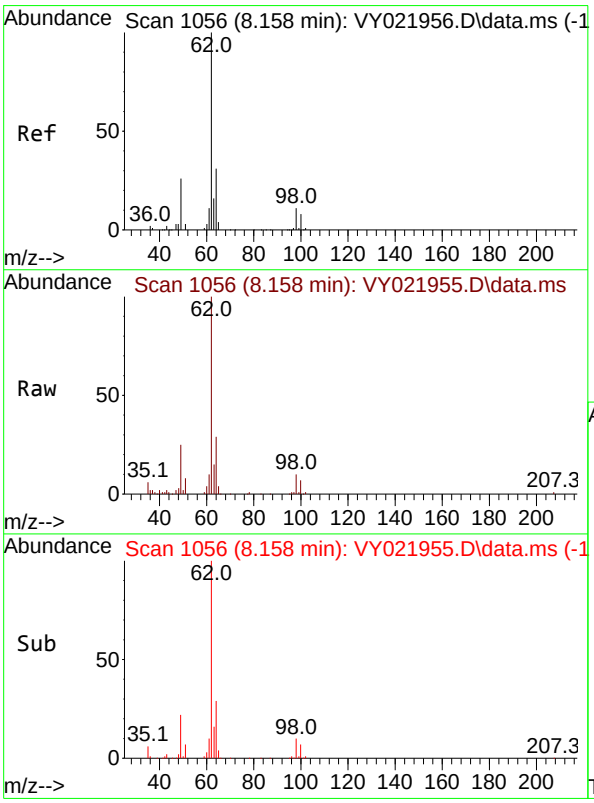
#41
Methacrylonitrile
Concen: 50.560 ug/l
RT: 7.256 min Scan# 9
Delta R.T. 0.030 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 42291

Ion	Ratio	Lower	Upper
41	100		
39	25.1	36.6	55.0#
67	0.0	72.2	108.4#
52	0.0	27.6	41.4#

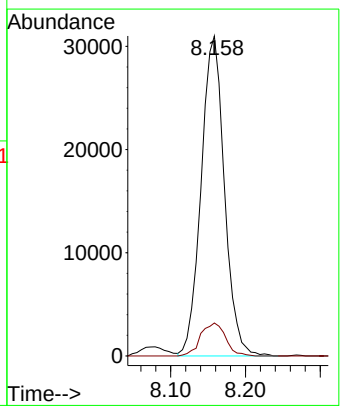


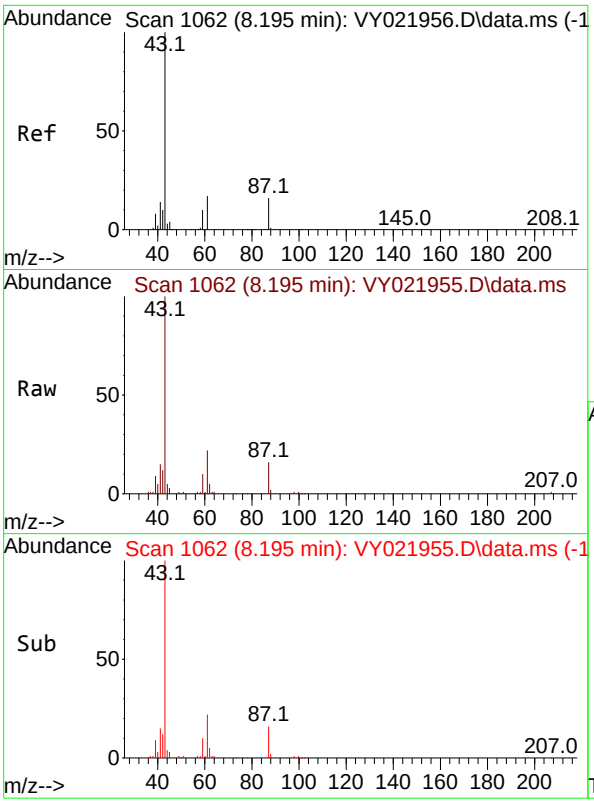


#42
1,2-Dichloroethane
Concen: 20.398 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 62 Resp: 67235

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0



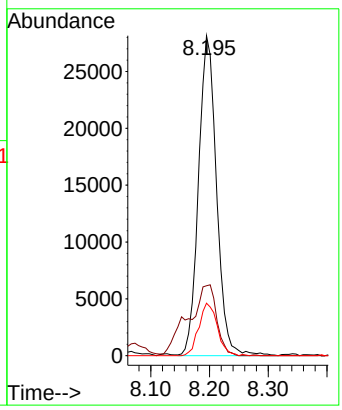


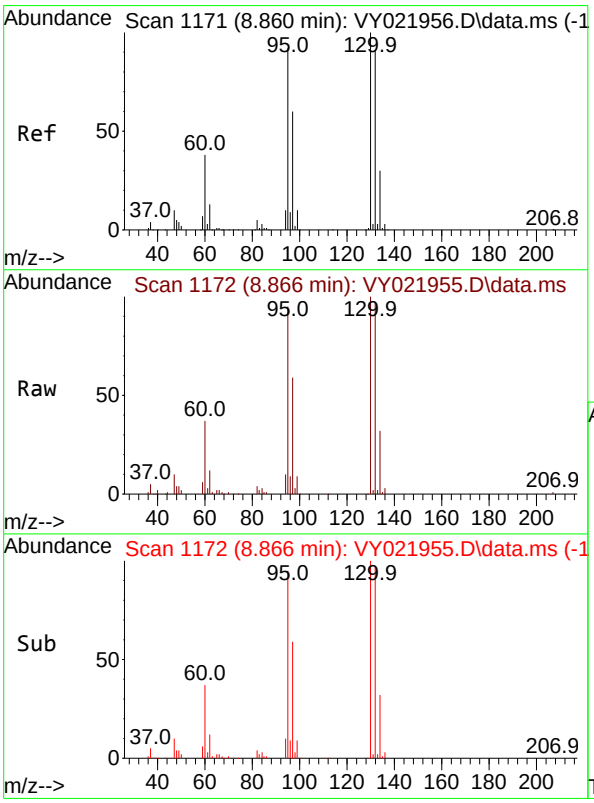
#43
Isopropyl Acetate
Concen: 20.495 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 60204

Ion	Ratio	Lower	Upper
43	100		
61	34.7	18.9	28.3#
87	16.8	13.7	20.5

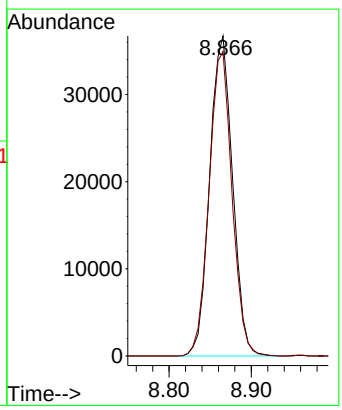


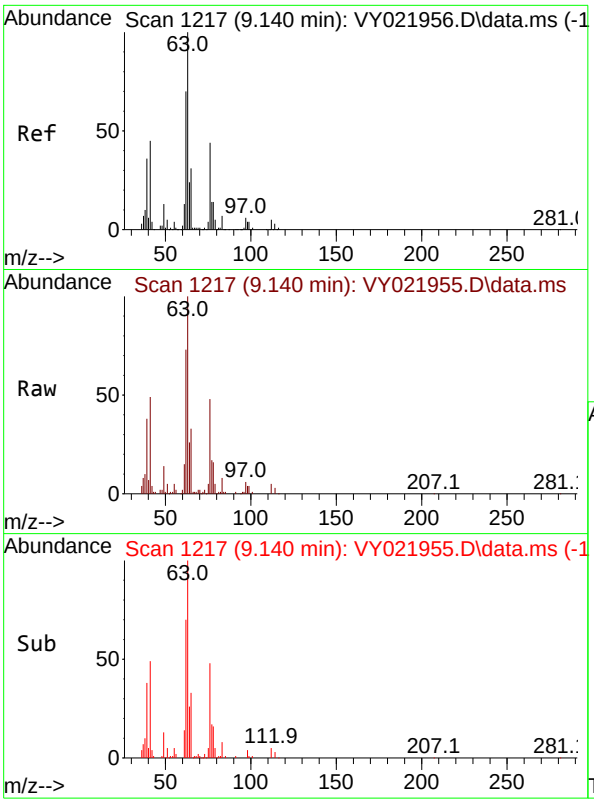


#44
Trichloroethene
Concen: 19.226 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:130 Resp: 70896

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	183.2



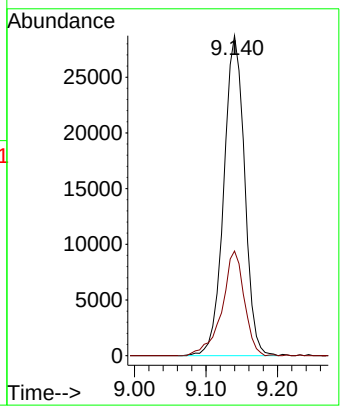


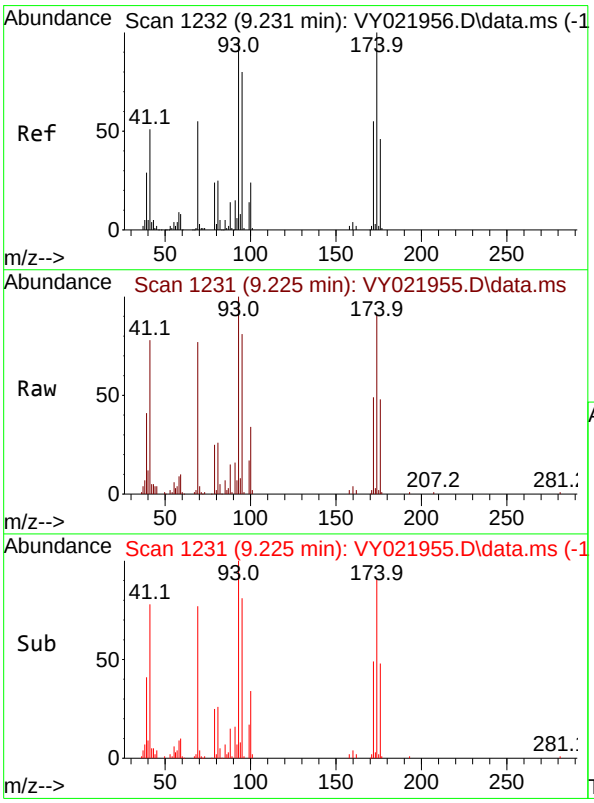
#45
1,2-Dichloropropane
Concen: 19.678 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 57934

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.2	37.8

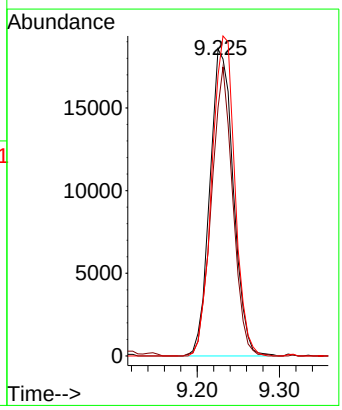


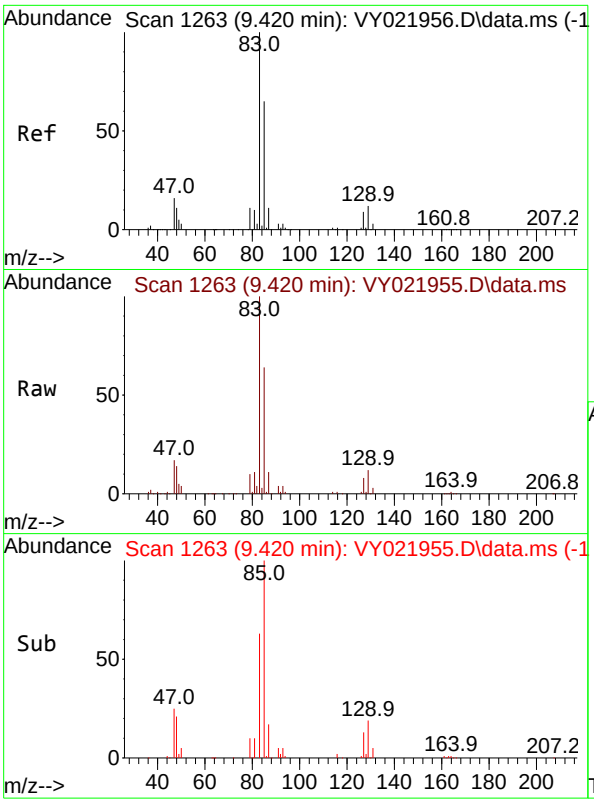


#46
Dibromomethane
Concen: 20.018 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 93 Resp: 36893

Ion	Ratio	Lower	Upper
93	100		
95	85.2	66.7	100.1
174	102.1	84.6	127.0



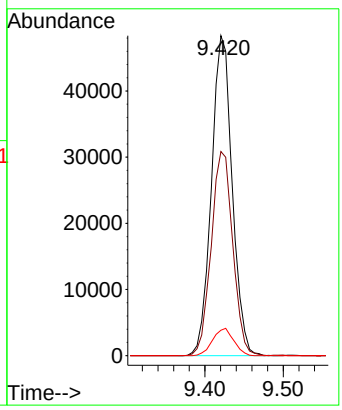


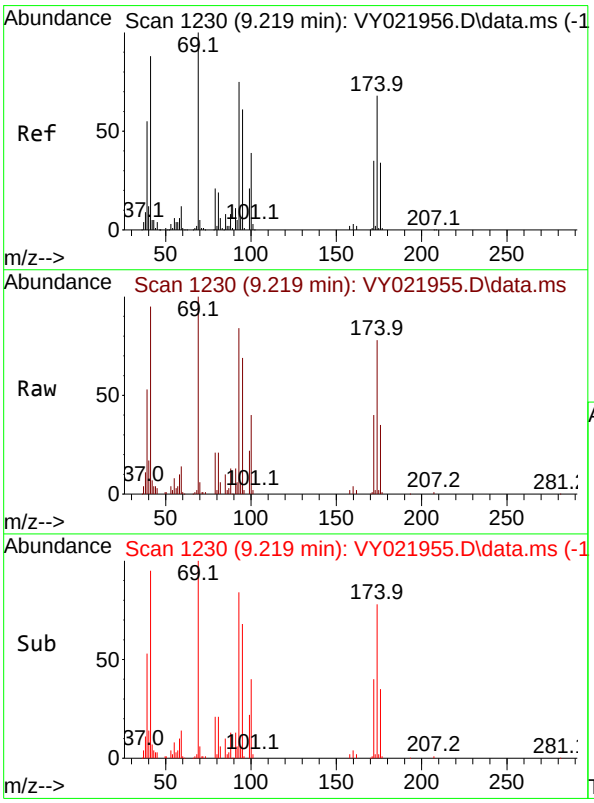
#47
Bromodichloromethane
Concen: 19.341 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 89049

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.8
127	8.0	7.0	10.6

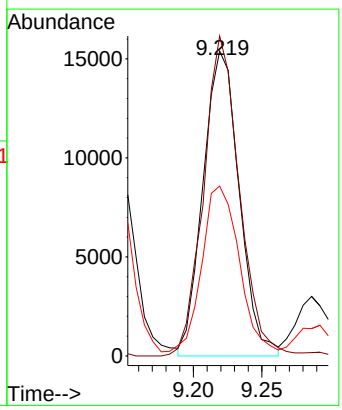


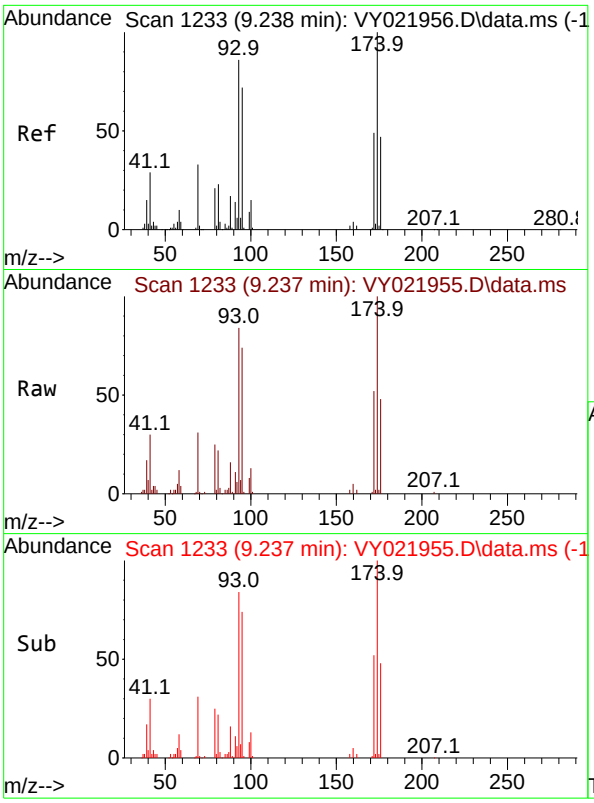


#48
Methyl methacrylate
Concen: 20.775 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 41 Resp: 28211

Ion	Ratio	Lower	Upper
41	100		
69	104.1	85.5	128.3
39	55.5	46.2	69.4



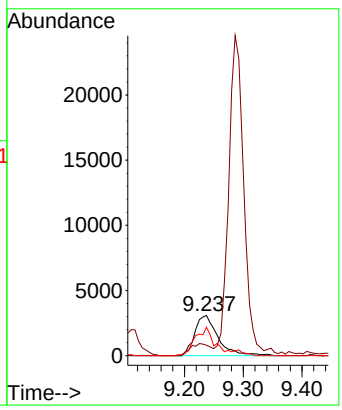


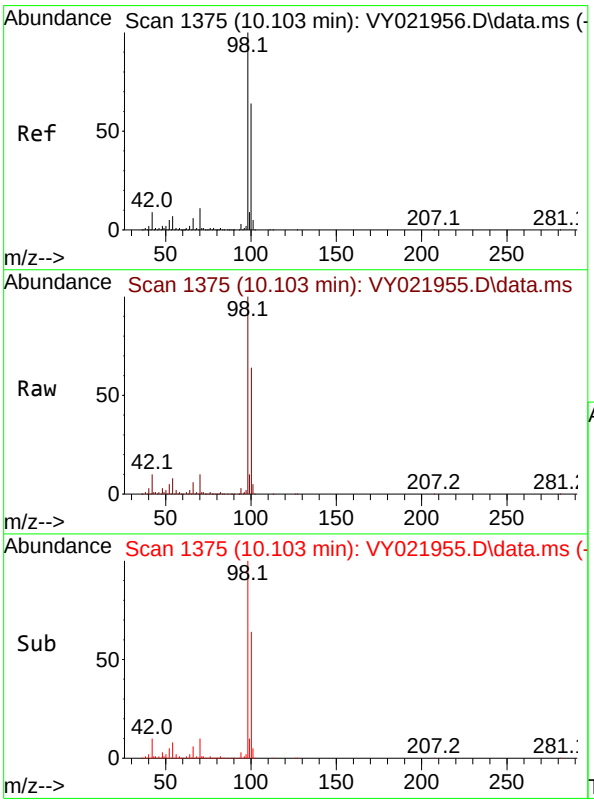
#49
1,4-Dioxane
Concen: 432.566 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 8497

Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.3	31.9
58	59.2	50.5	75.7

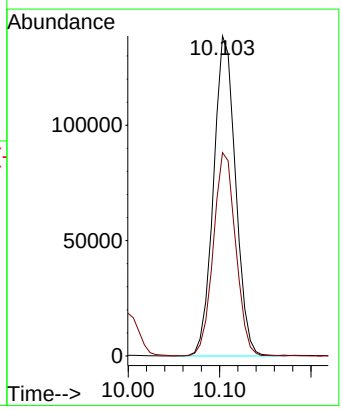


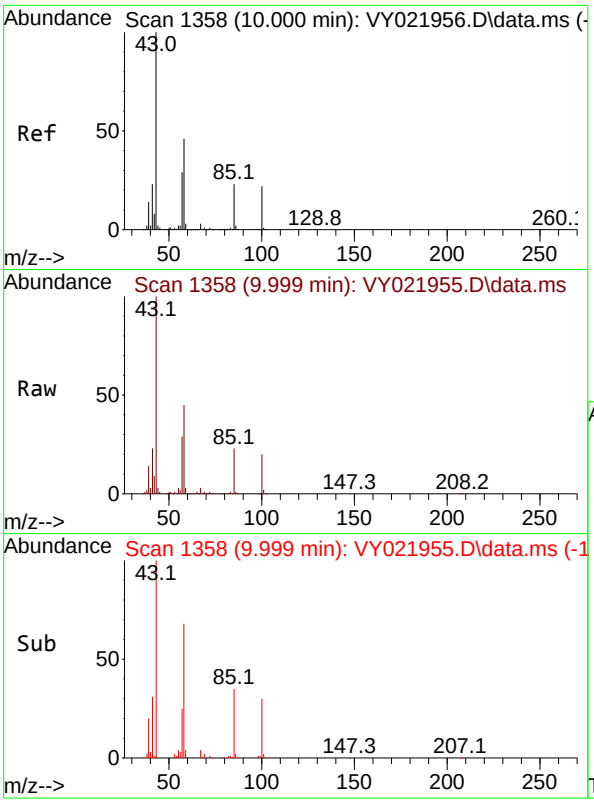


#50
Toluene-d8
Concen: 19.446 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 98 Resp: 232431

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4



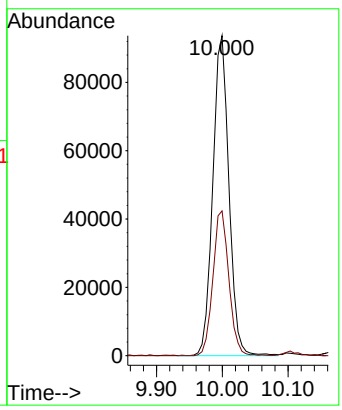


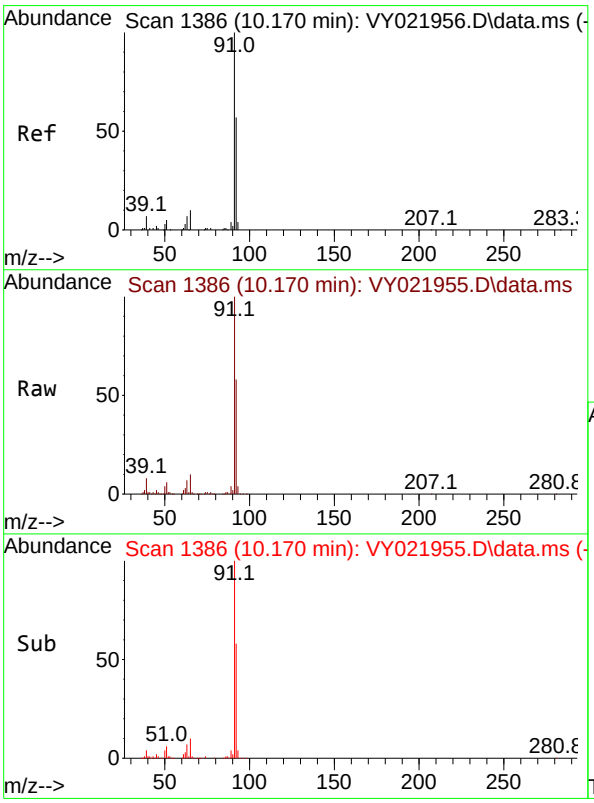
#51
4-Methyl-2-Pentanone
Concen: 103.844 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 159902

Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.6	55.0

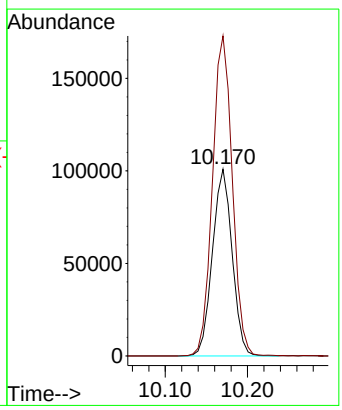


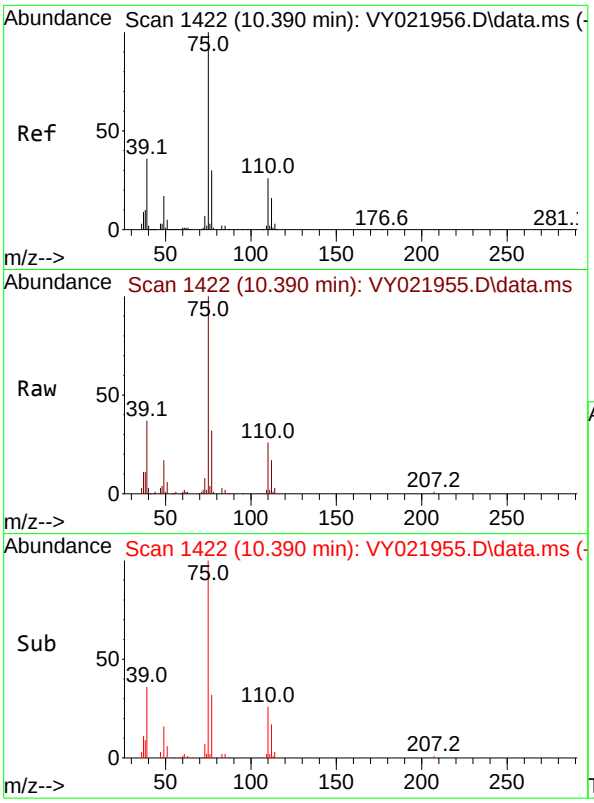


#52
Toluene
Concen: 19.499 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 92 Resp: 168035

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.6	207.8



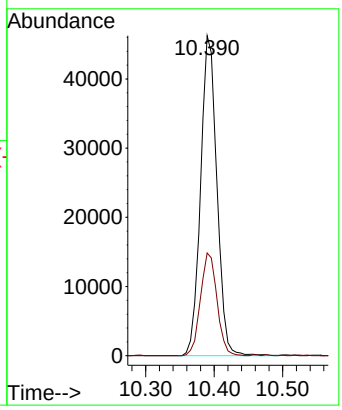


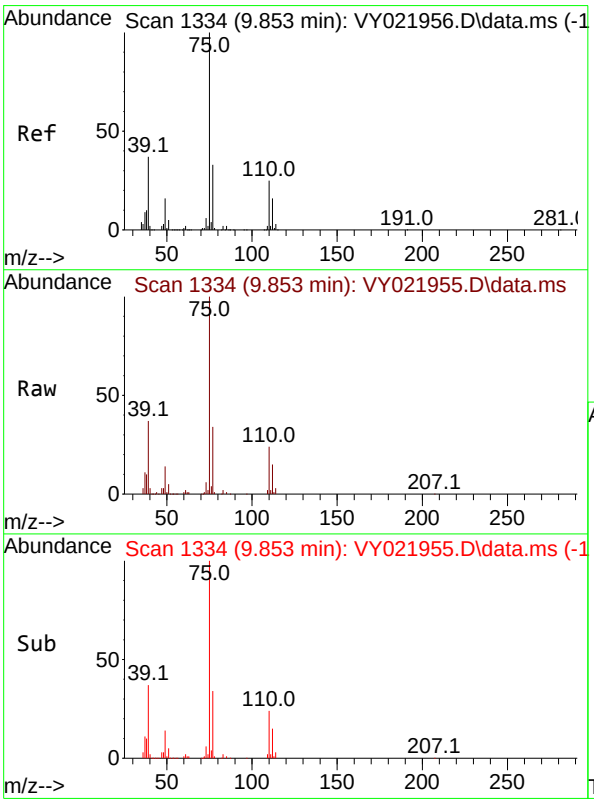
#53
t-1,3-Dichloropropene
Concen: 19.404 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 76629

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.0	36.0

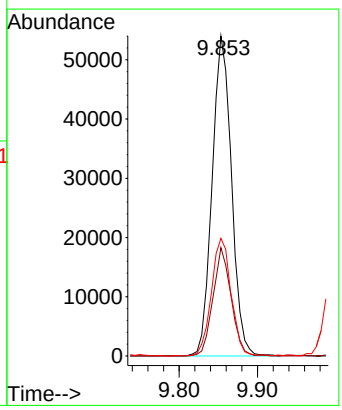


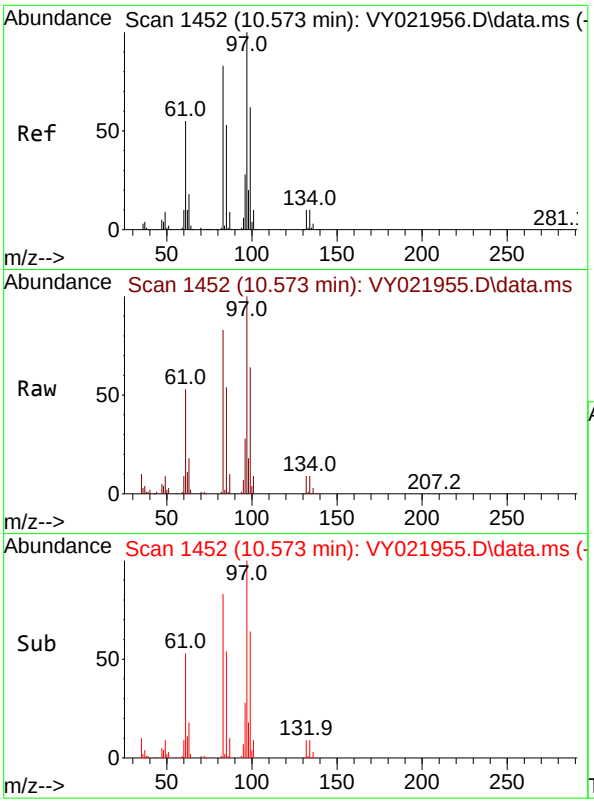


#54
cis-1,3-Dichloropropene
Concen: 19.753 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 92726

Ion	Ratio	Lower	Upper
75	100		
77	33.8	26.6	40.0
39	36.6	29.6	44.4



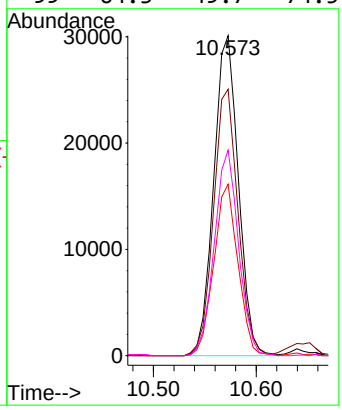


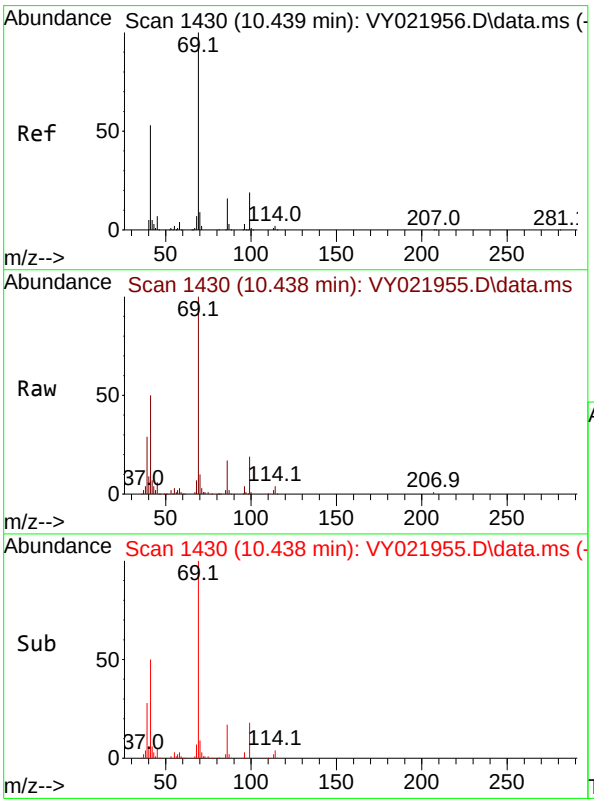
#55
1,1,2-Trichloroethane
Concen: 20.353 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 50105

Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.7	100.1
85	53.6	42.6	64.0
99	64.3	49.7	74.5

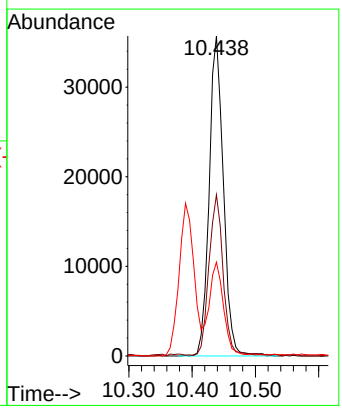


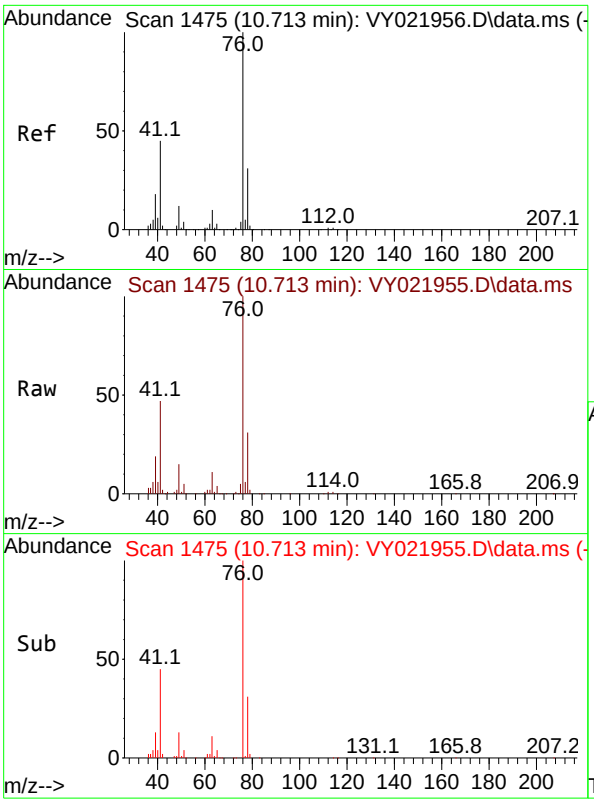


#56
Ethyl methacrylate
Concen: 19.786 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 69 Resp: 55703

Ion	Ratio	Lower	Upper
69	100		
41	49.8	40.7	61.1
39	29.3	23.3	34.9



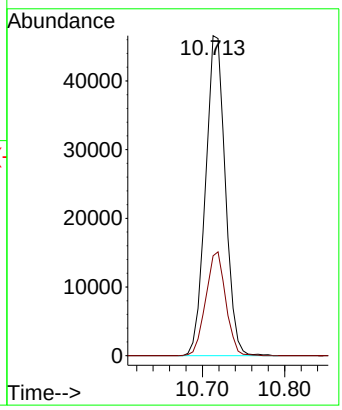


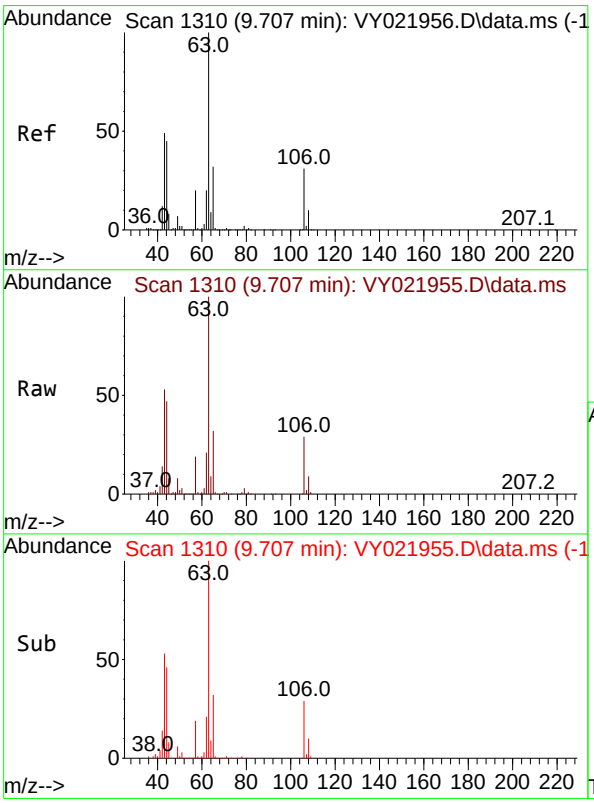
#57
1,3-Dichloropropane
Concen: 19.676 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 77652

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	39.8

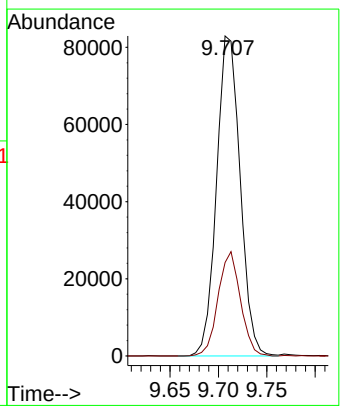


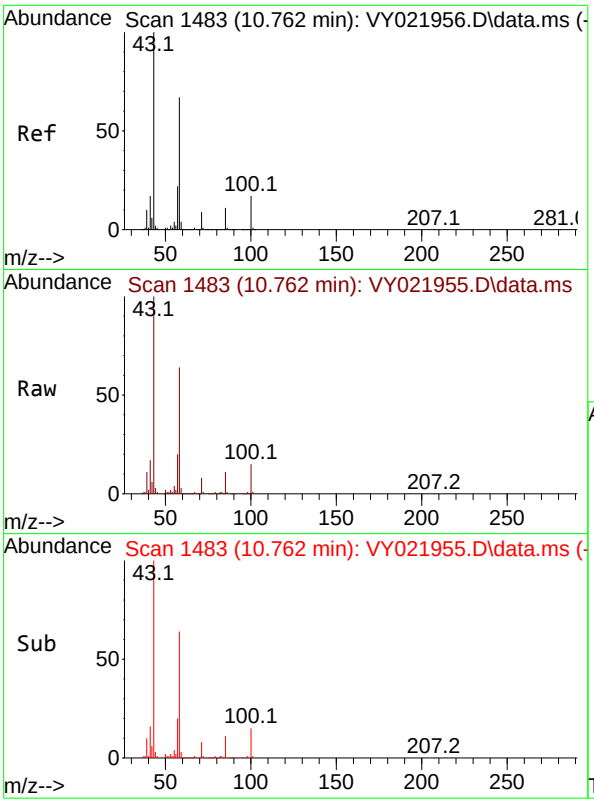


#58
2-Chloroethyl Vinyl ether
Concen: 102.027 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 63 Resp: 140435

Ion	Ratio	Lower	Upper
63	100		
106	30.9	25.3	37.9



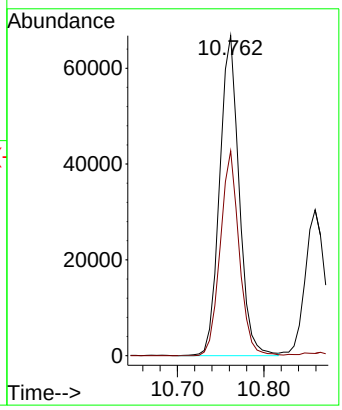


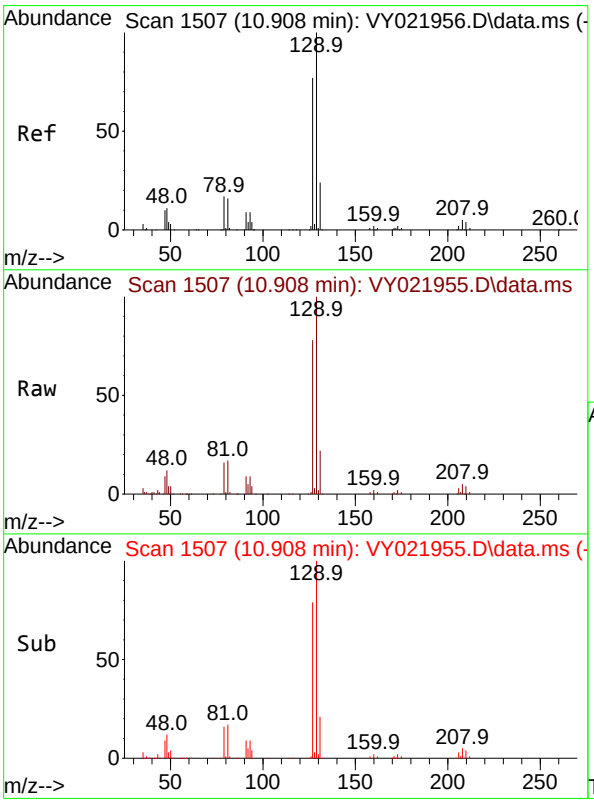
#59
2-Hexanone
Concen: 102.714 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 104321

Ion	Ratio	Lower	Upper
43	100		
58	62.1	32.0	96.0

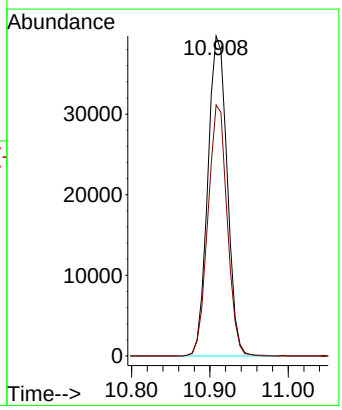


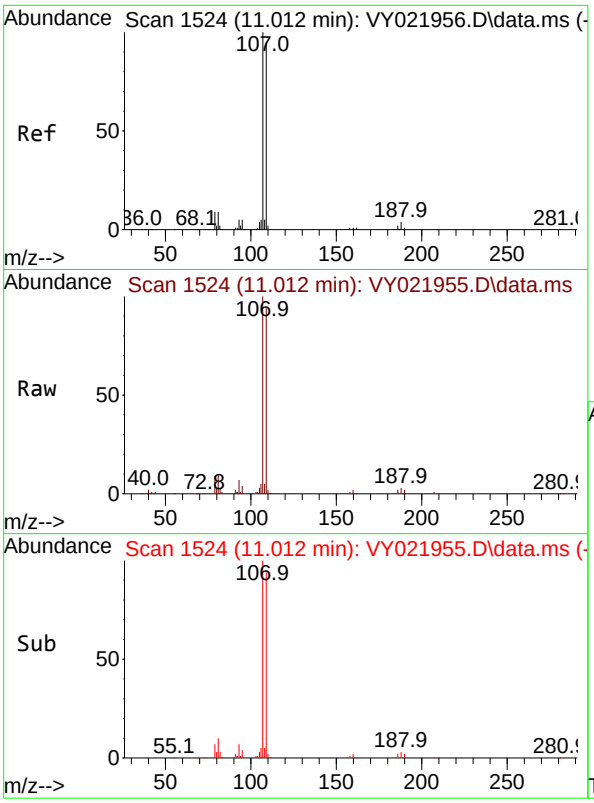


#60
Dibromochloromethane
Concen: 19.948 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:129 Resp: 67988

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.3



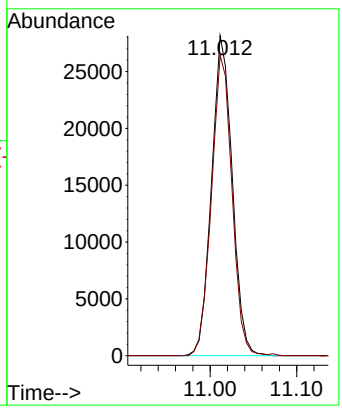


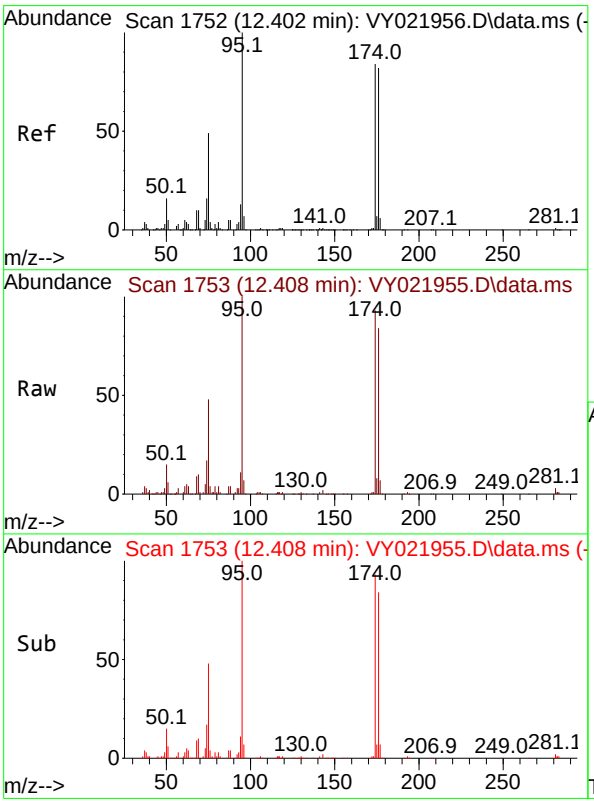
#61
1,2-Dibromoethane
Concen: 20.093 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 46699

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

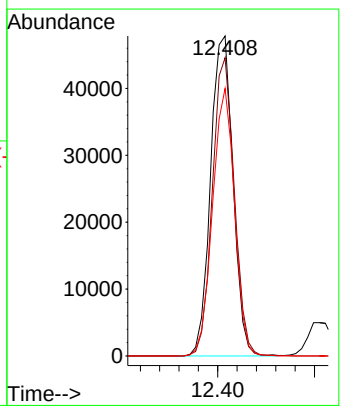


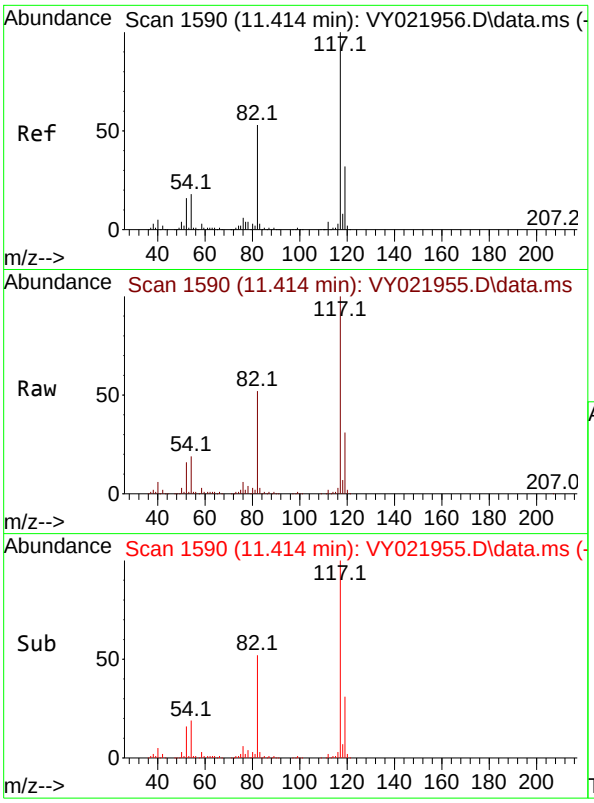


#62
4-Bromofluorobenzene
Concen: 19.144 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 95 Resp: 77034

Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	179.0
176	81.8	0.0	171.8



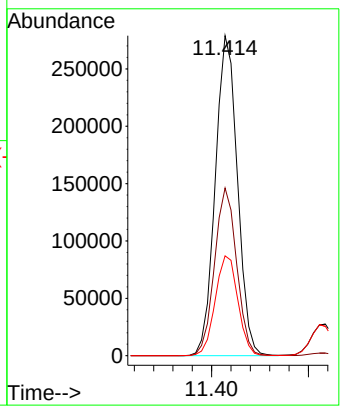


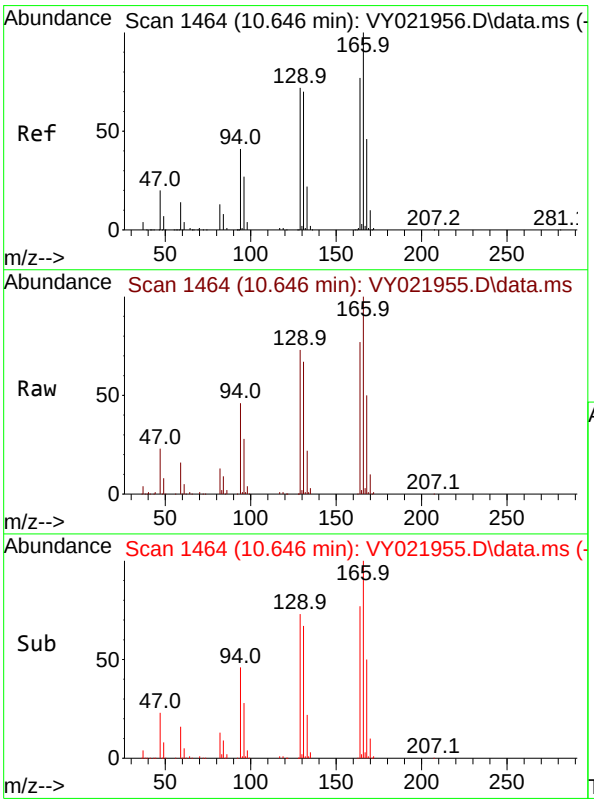
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 443014

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.1	63.1
119	31.2	25.7	38.5

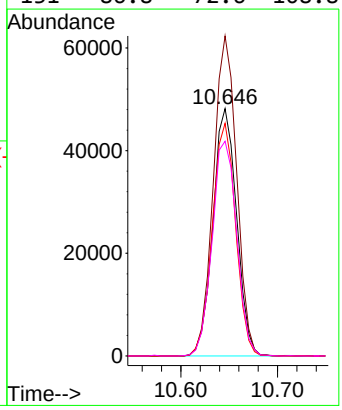


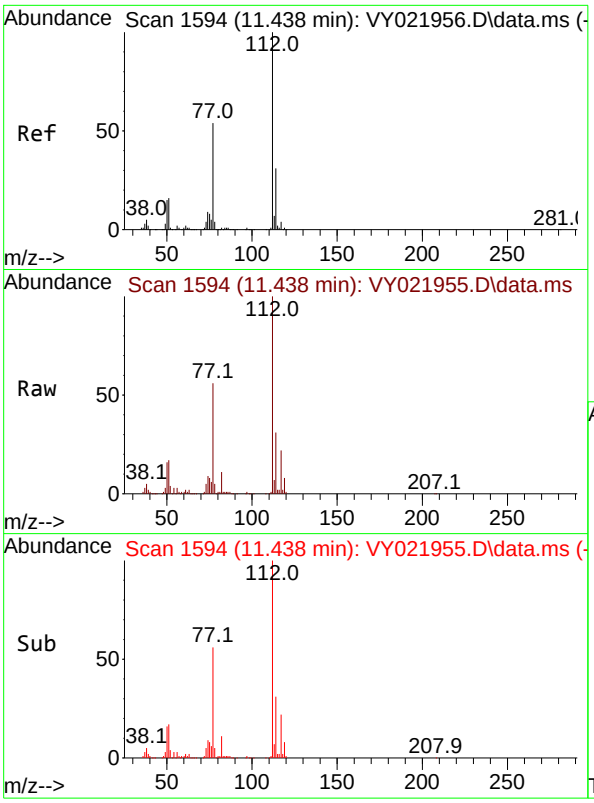


#64
Tetrachloroethene
Concen: 19.600 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:164 Resp: 81915

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.6	155.4
129	94.0	74.2	111.4
131	86.8	72.6	108.8



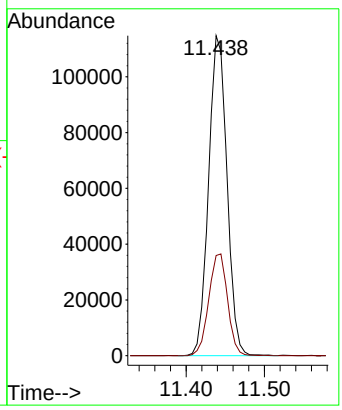


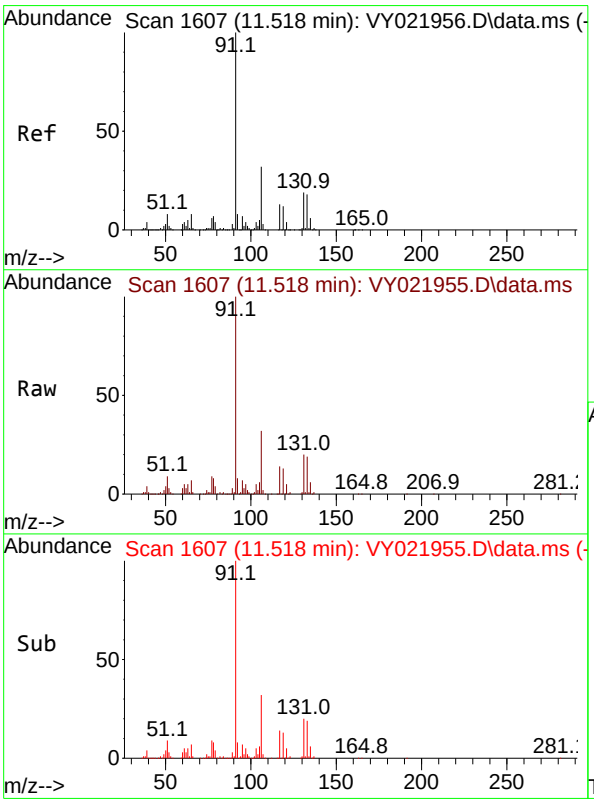
#65
Chlorobenzene
Concen: 18.866 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 186901

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.4

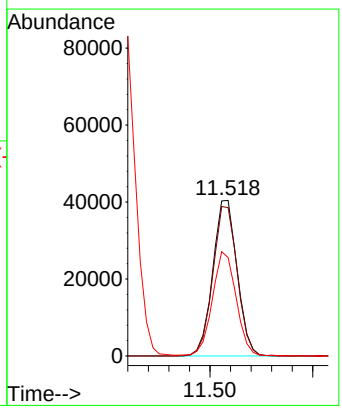


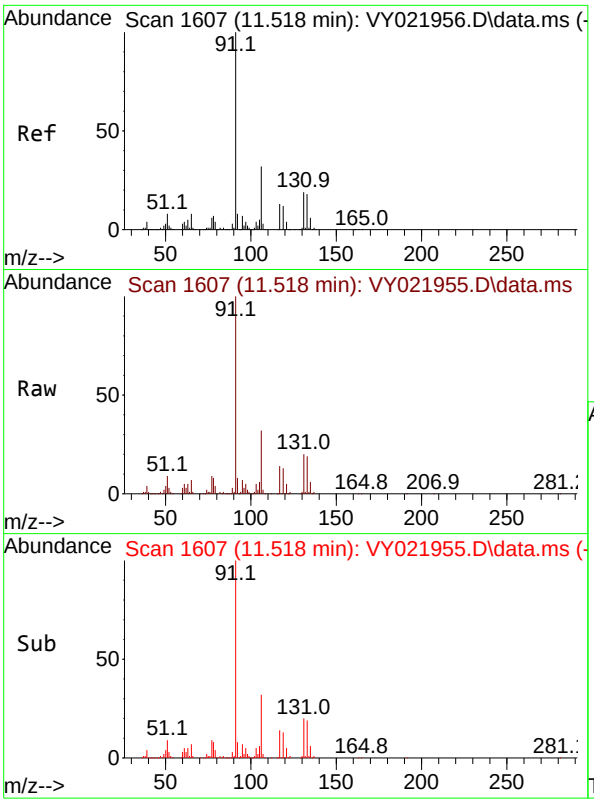


#66
1,1,1,2-Tetrachloroethane
Concen: 19.091 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:131 Resp: 66586

Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.8	143.3
119	65.6	32.4	97.0



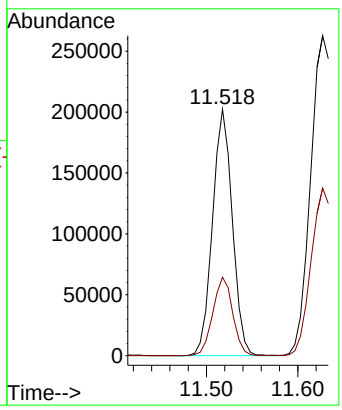


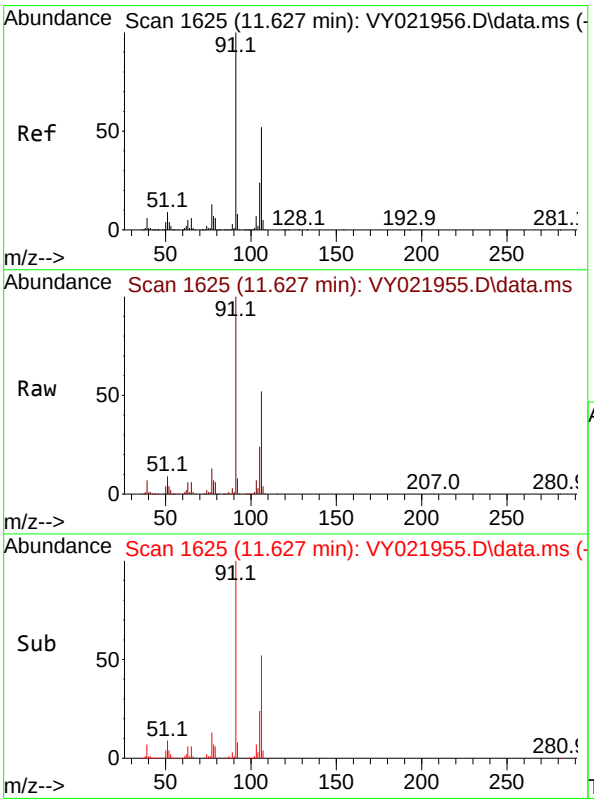
#67
Ethyl Benzene
Concen: 18.789 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 304501

Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.9	38.9

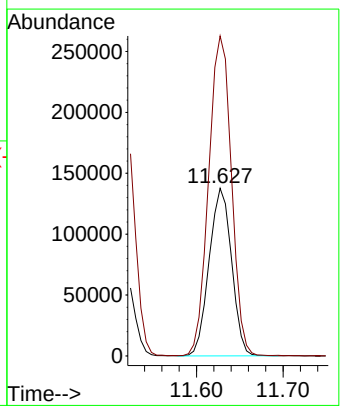


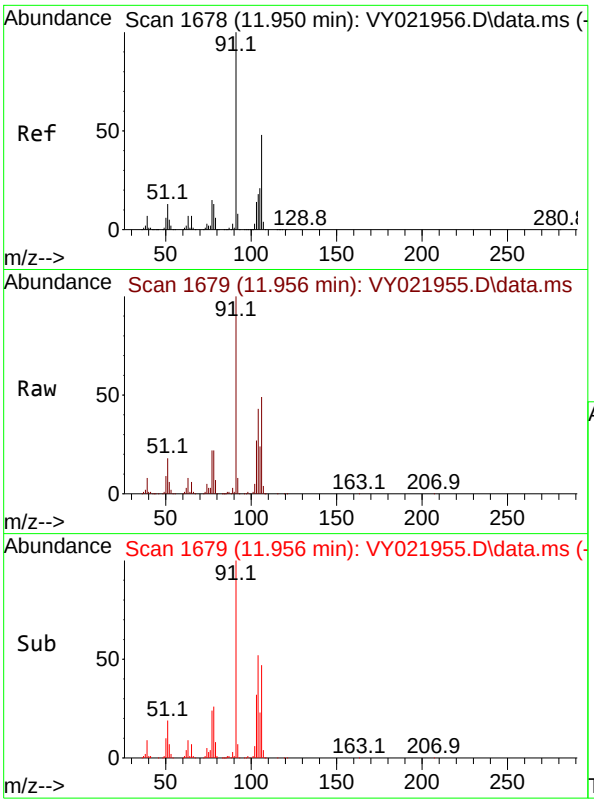


#68
m/p-Xylenes
Concen: 38.407 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:106 Resp: 247677

Ion	Ratio	Lower	Upper
106	100		
91	194.2	156.2	234.2



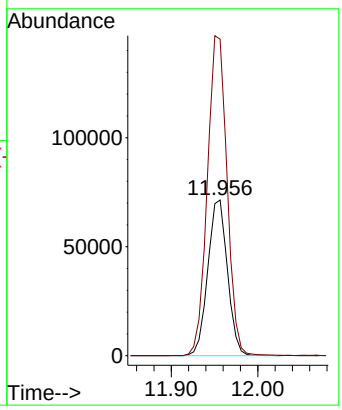


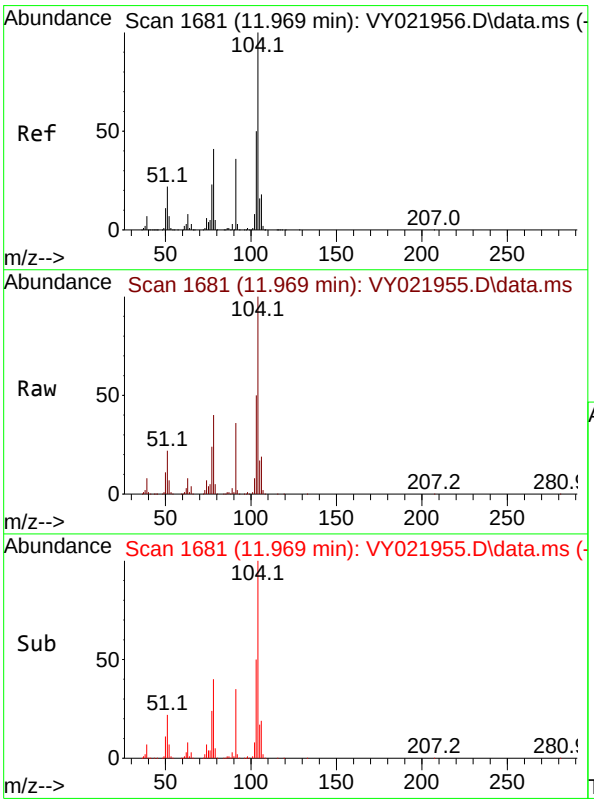
#69
o-Xylene
Concen: 18.945 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 112603

Ion	Ratio	Lower	Upper
106	100		
91	206.1	103.0	308.9

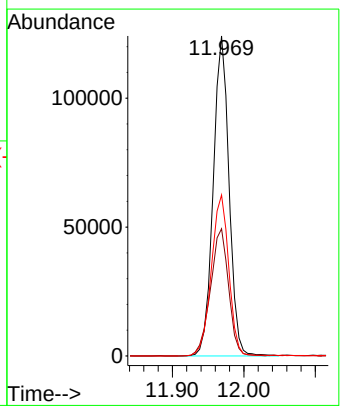


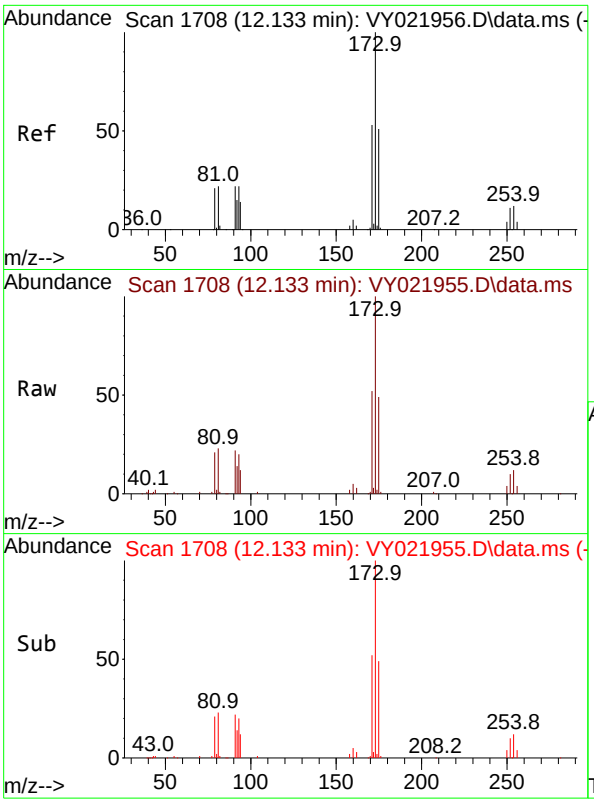


#70
Styrene
Concen: 19.149 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:104 Resp: 191106

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.6	54.8
103	55.3	43.8	65.8



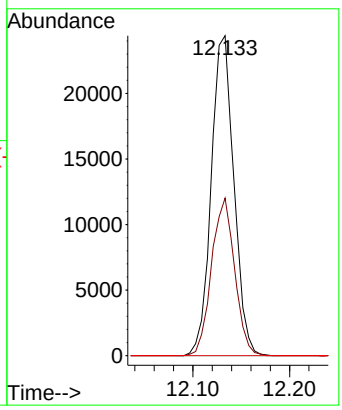


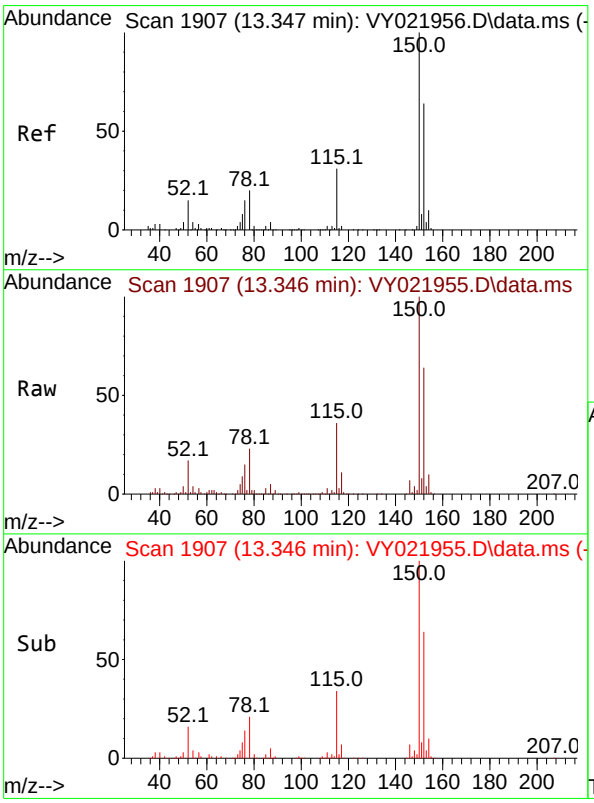
#71
Bromoform
Concen: 19.573 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 39690

Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.3	72.8
254	0.0	0.0	0.0

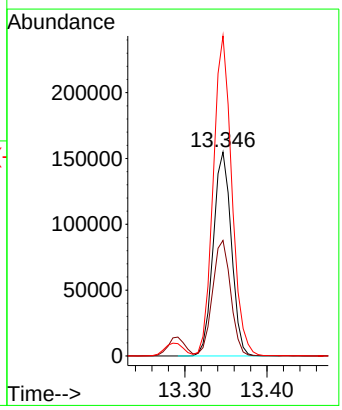


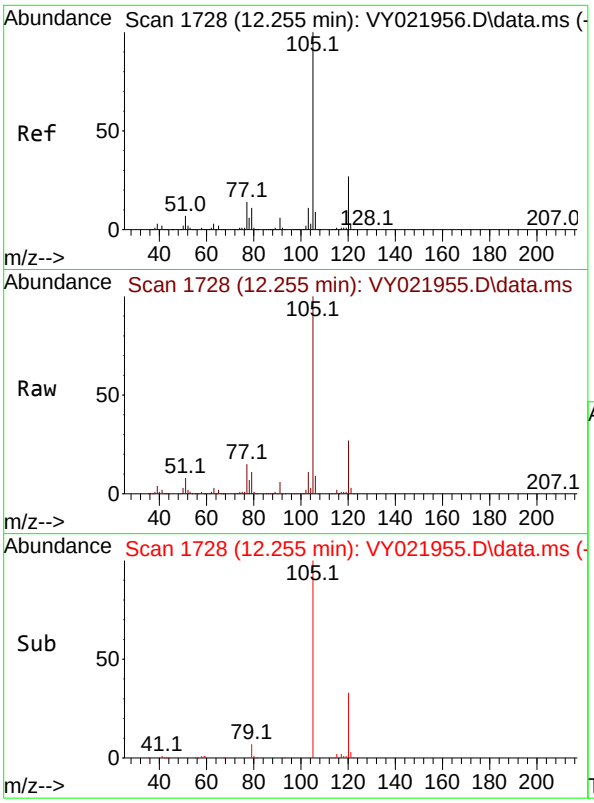


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:152 Resp: 236548

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	161.0	0.0	345.6



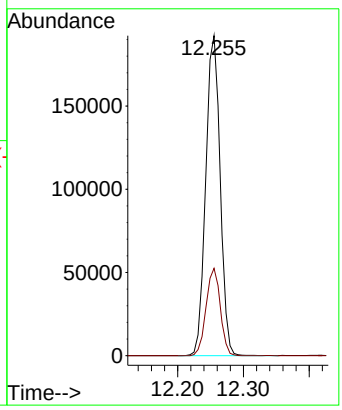


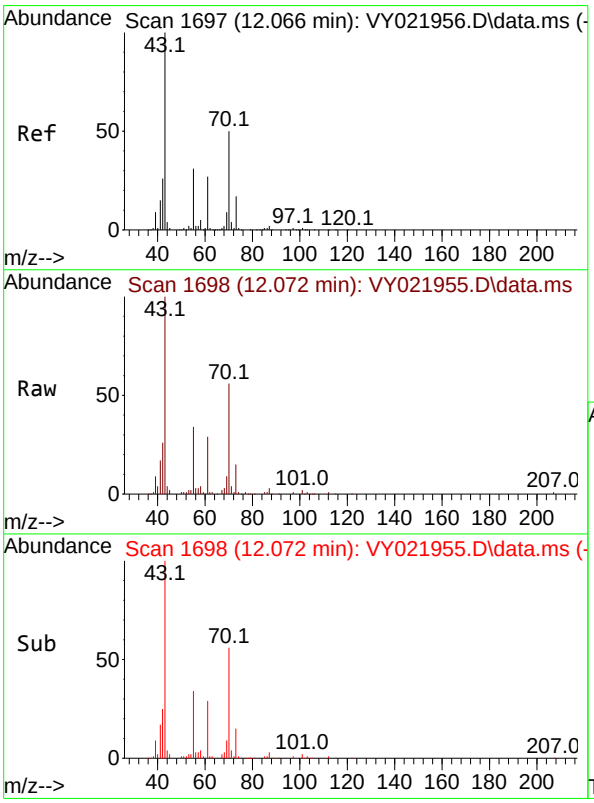
#73
Isopropylbenzene
Concen: 18.570 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 293481

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5

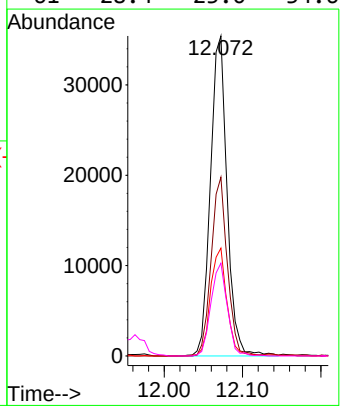


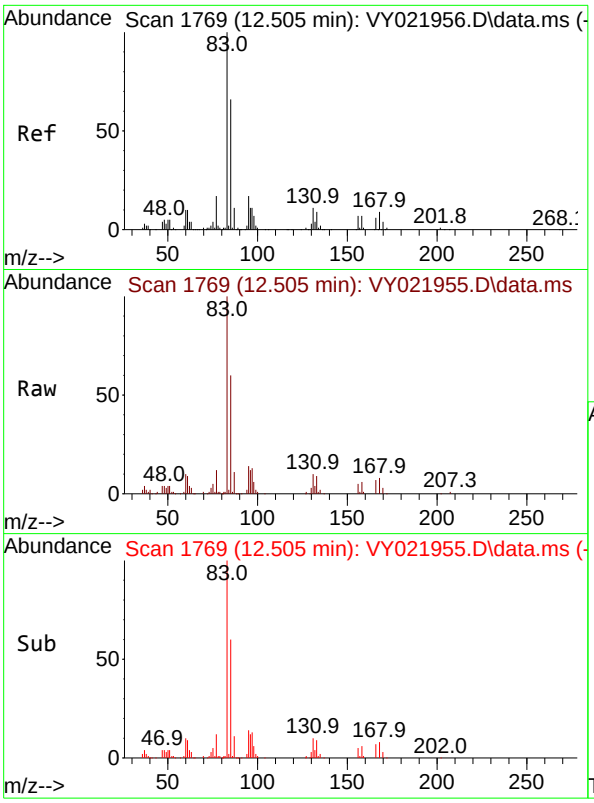


#74
N-amyl acetate
Concen: 19.271 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 43 Resp: 52325

Ion	Ratio	Lower	Upper
43	100		
70	54.1	43.2	64.8
55	33.2	25.7	38.5
61	28.4	23.0	34.6



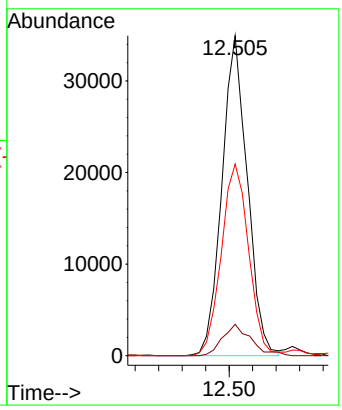


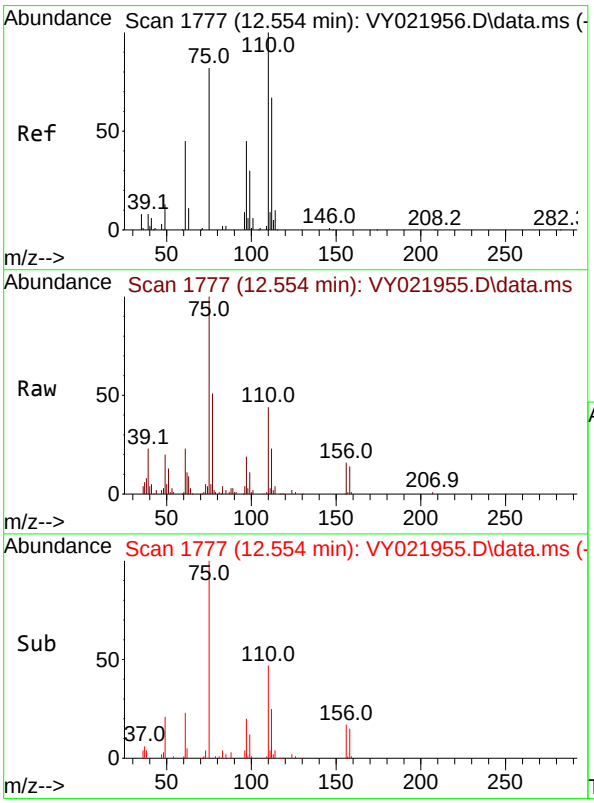
#75
1,1,2,2-Tetrachloroethane
Concen: 19.713 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 52524

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.5	32.3	96.8

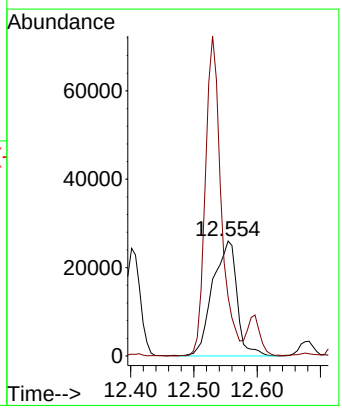


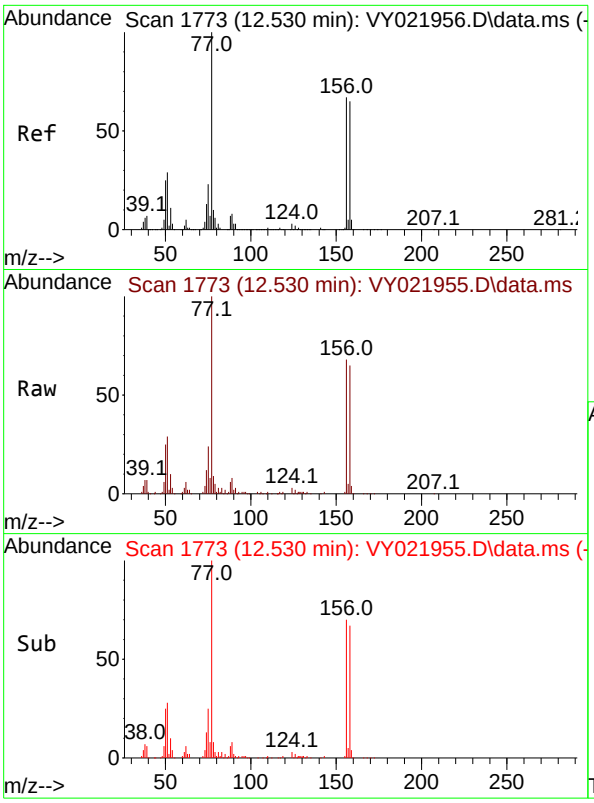


#76
1,2,3-Trichloropropane
Concen: 33.319 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 69448

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



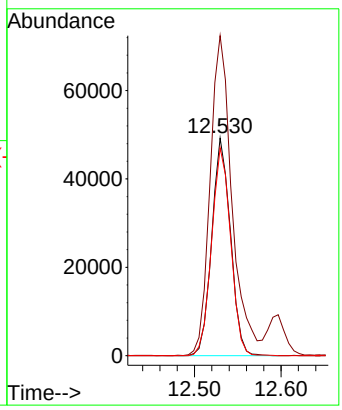


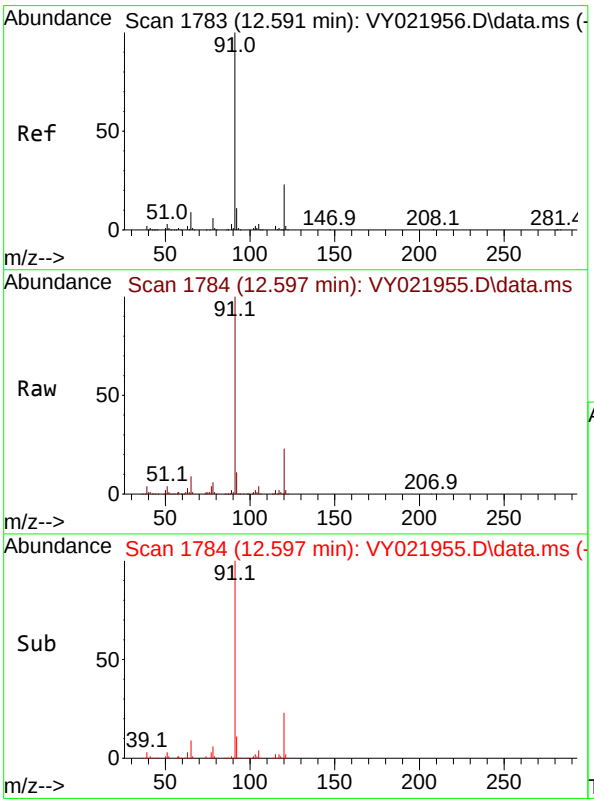
#77
Bromobenzene
Concen: 18.490 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 73838

Ion	Ratio	Lower	Upper
156	100		
77	171.2	82.7	248.1
158	97.3	48.1	144.4

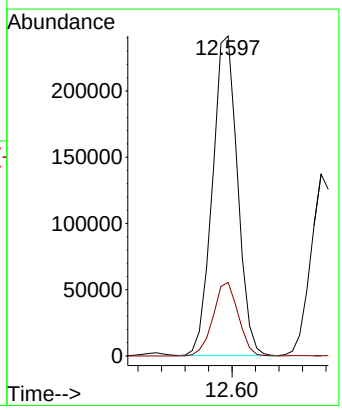


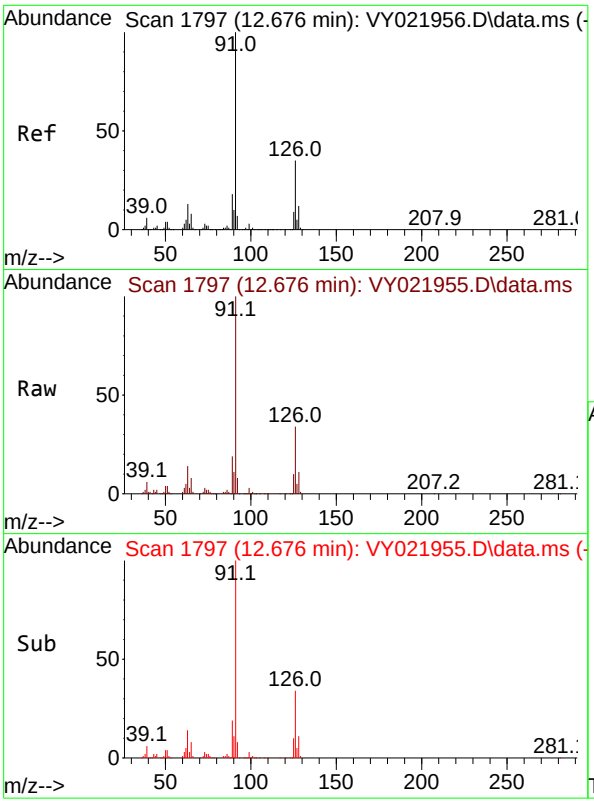


#78
n-propylbenzene
Concen: 18.992 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 357438

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.9	35.5



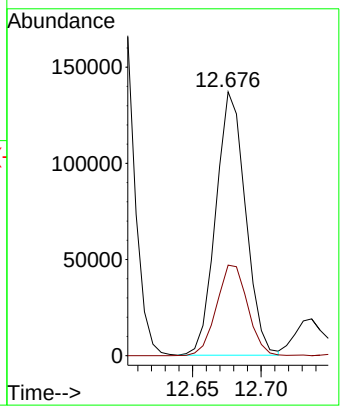


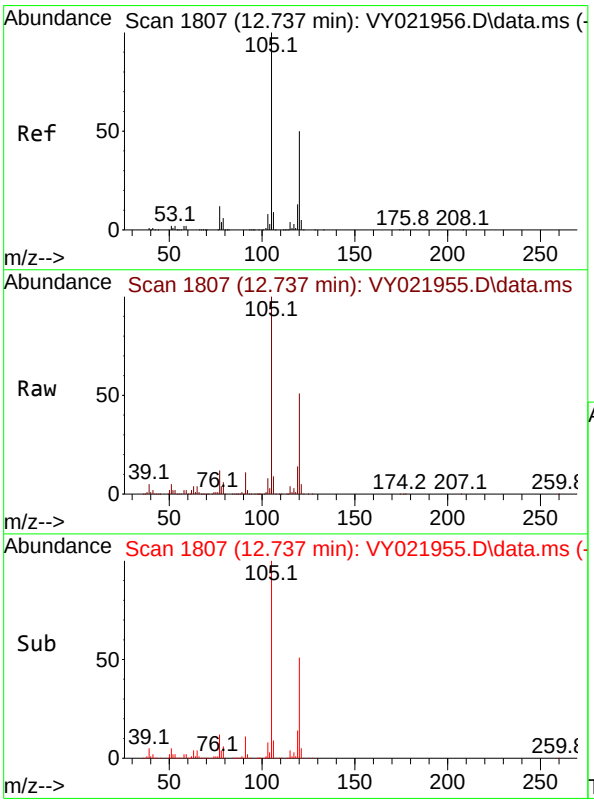
#79
2-Chlorotoluene
Concen: 18.840 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 206212

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8

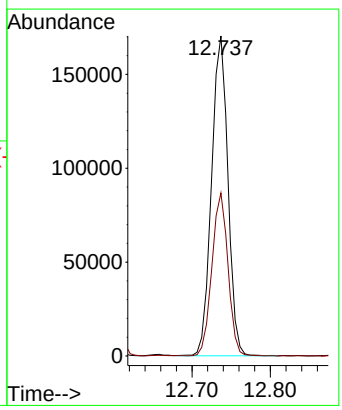


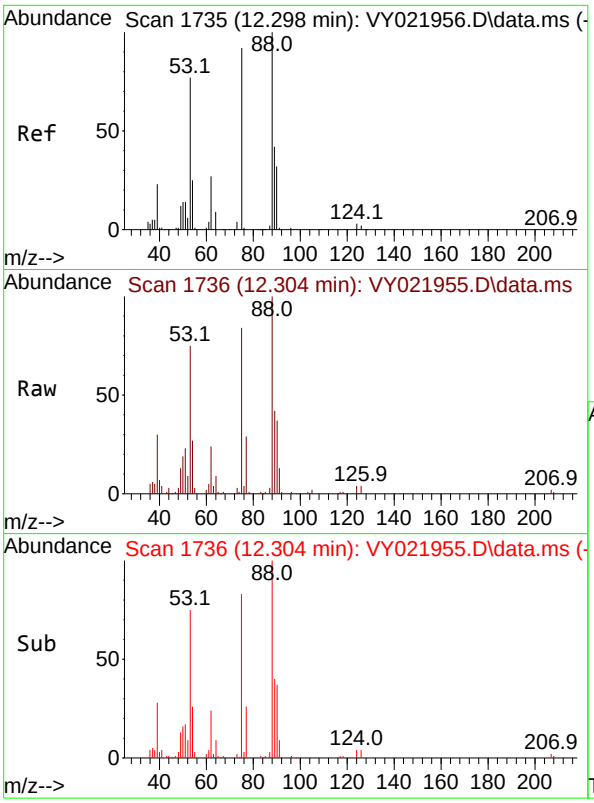


#80
1,3,5-Trimethylbenzene
Concen: 18.997 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:105 Resp: 247372

Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.0	75.0



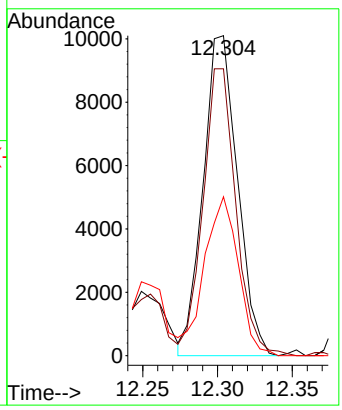


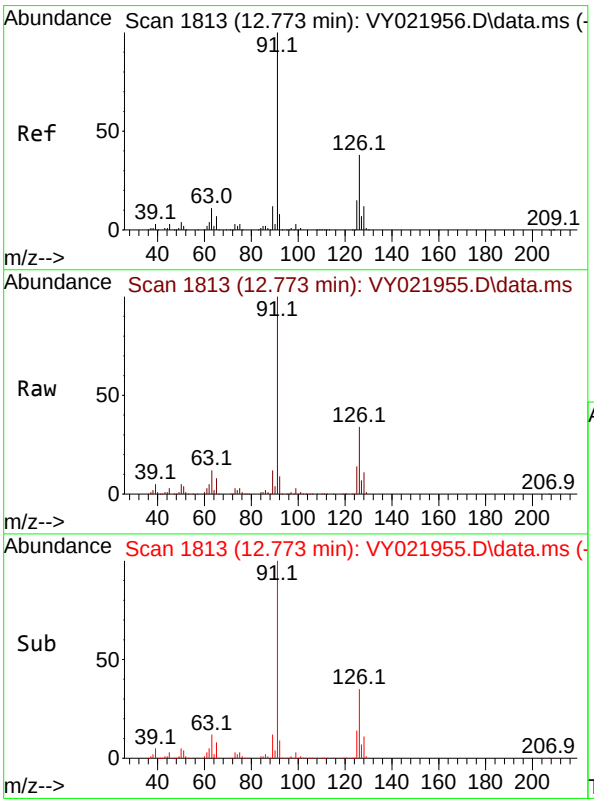
#81
trans-1,4-Dichloro-2-butene
Concen: 19.163 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 16123

Ion	Ratio	Lower	Upper
75	100		
53	85.8	66.0	99.0
89	49.1	37.2	55.8

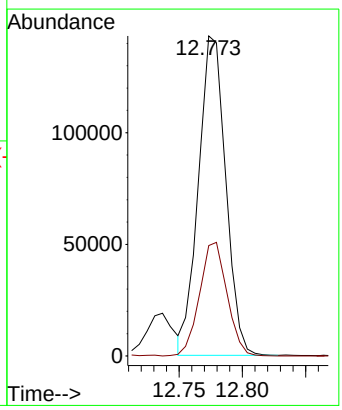


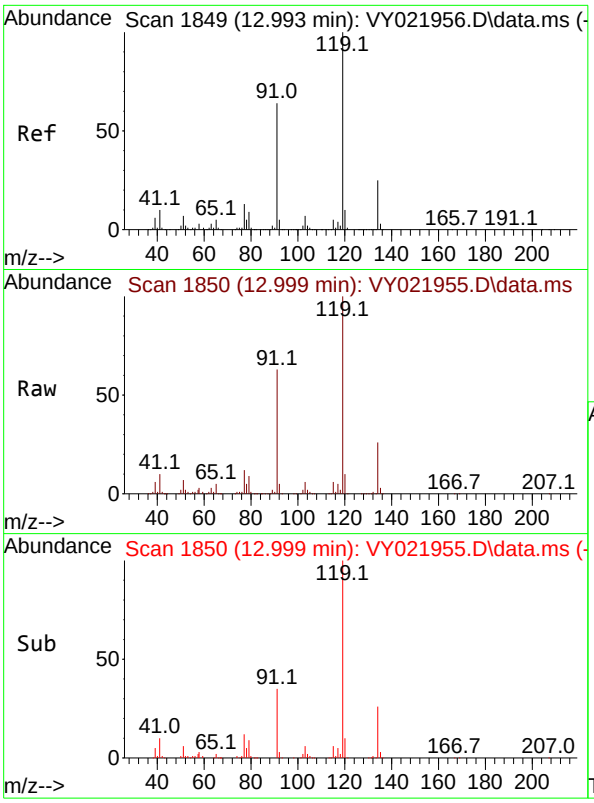


#82
4-Chlorotoluene
Concen: 18.876 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 91 Resp: 214776

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8



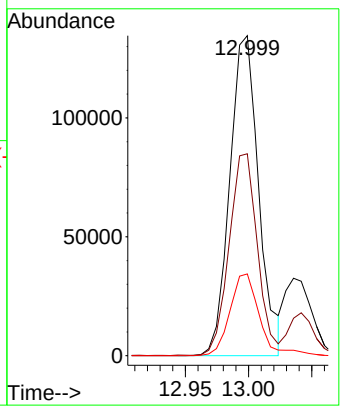


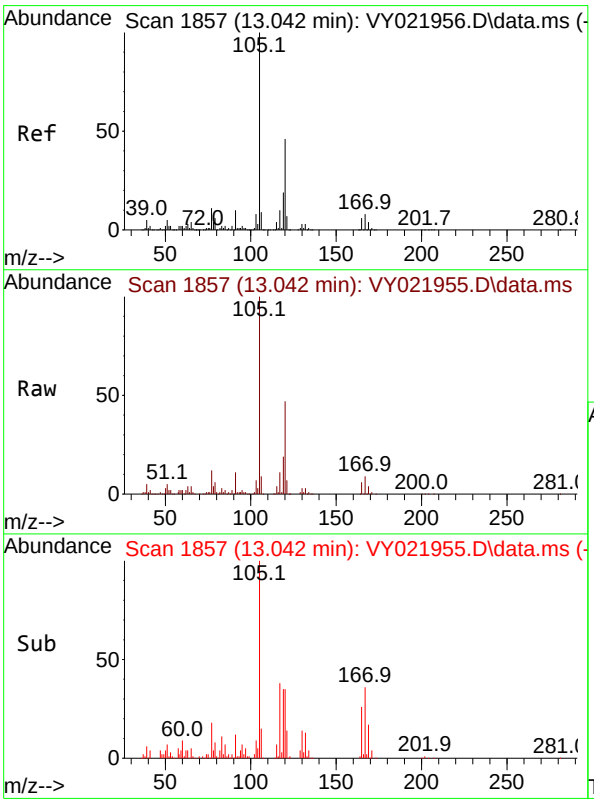
#83
tert-Butylbenzene
Concen: 18.337 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 214149

Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.3	90.9
134	26.2	12.9	38.7

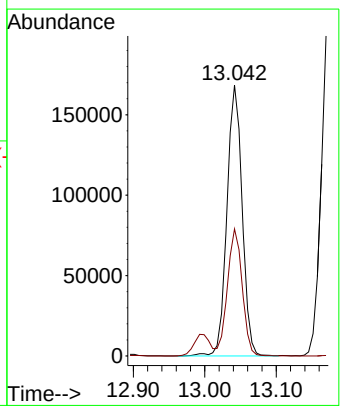


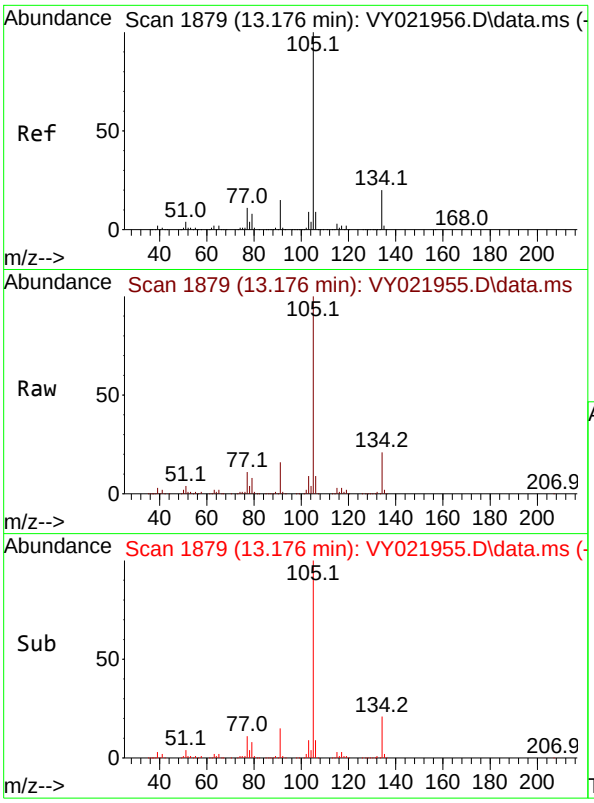


#84
1,2,4-Trimethylbenzene
Concen: 19.110 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:105 Resp: 248902

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0



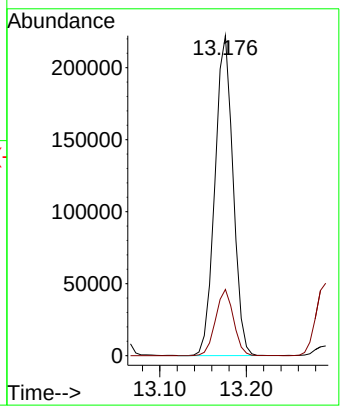


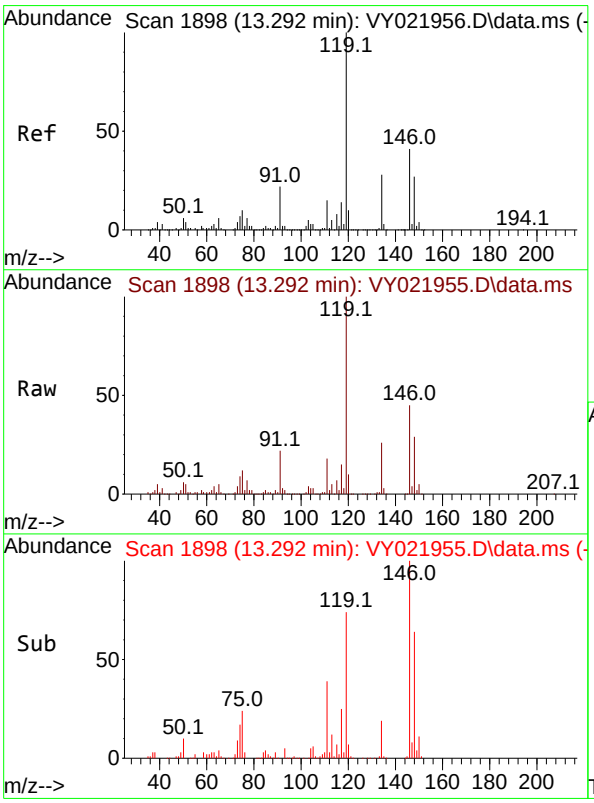
#85
sec-Butylbenzene
Concen: 18.873 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 322522

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

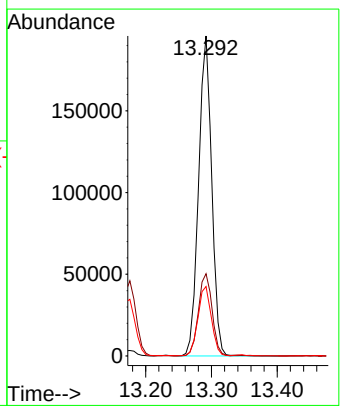


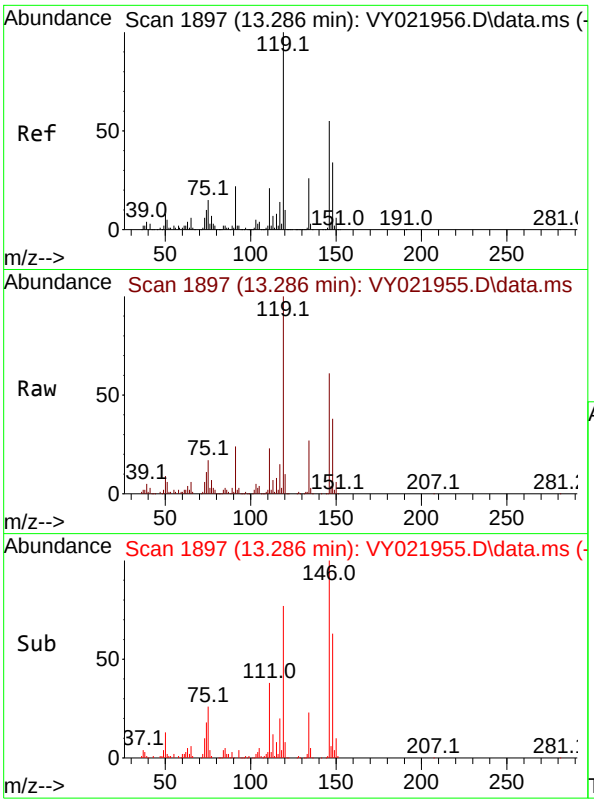


#86
p-Isopropyltoluene
Concen: 18.706 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:119 Resp: 271440

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.1	11.0	33.0



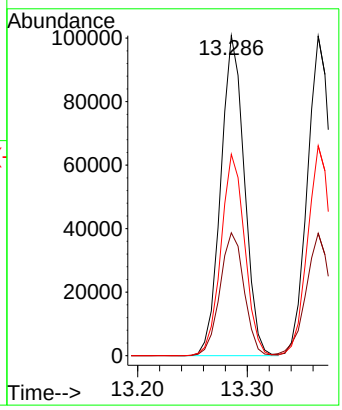


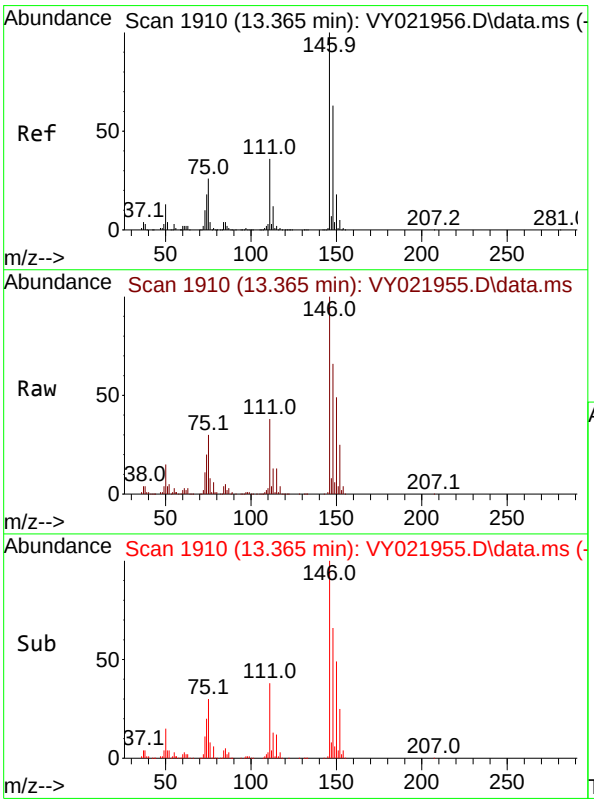
#87
1,3-Dichlorobenzene
Concen: 18.602 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 150873

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	63.2	32.0	96.2

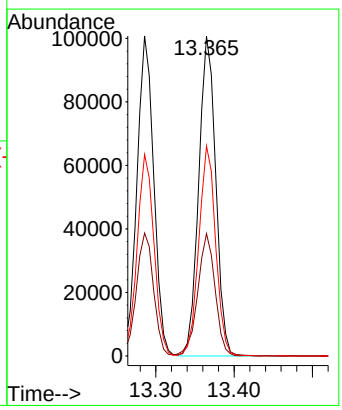


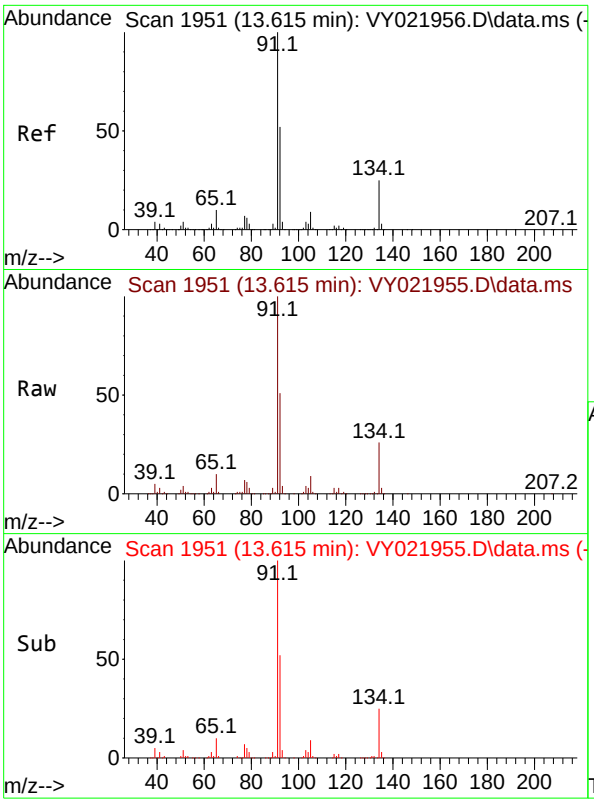


#88
1,4-Dichlorobenzene
Concen: 18.905 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:146 Resp: 151864

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.2	57.6
148	65.0	32.0	96.0



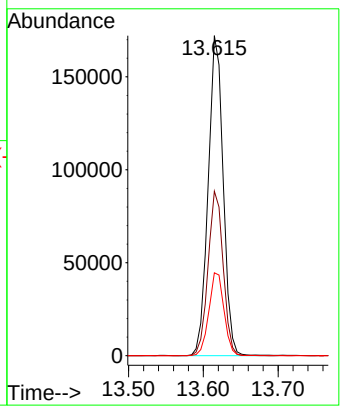


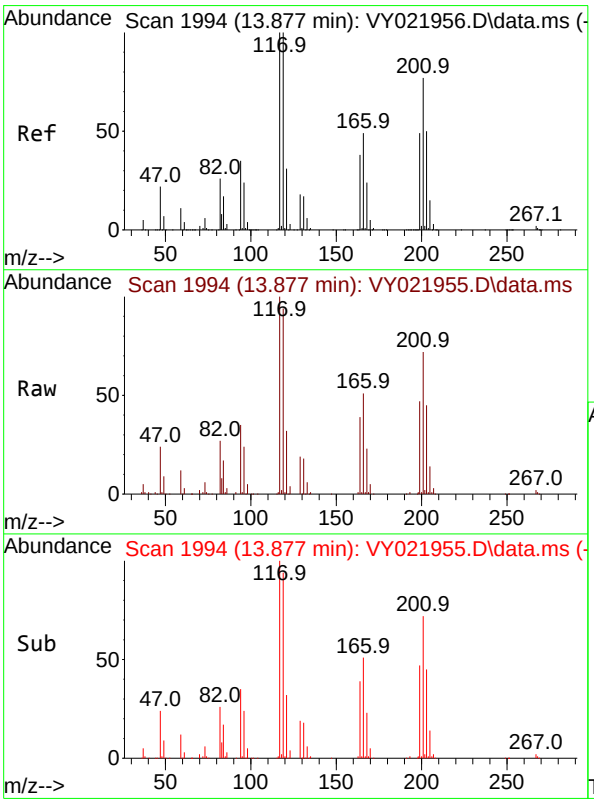
#89
n-Butylbenzene
Concen: 18.566 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 240816

Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.5
134	26.2	13.4	40.1

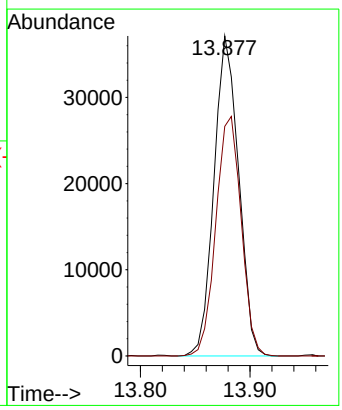


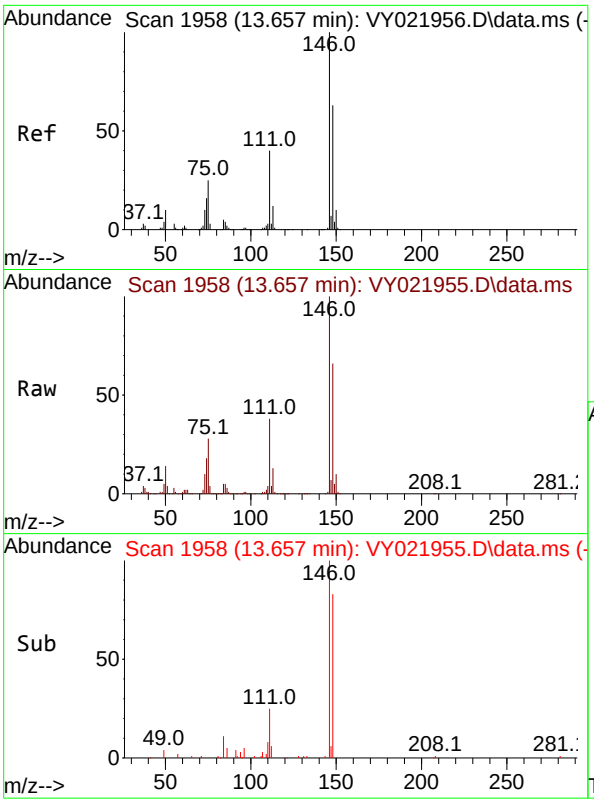


#90
Hexachloroethane
Concen: 18.211 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:117 Resp: 58060

Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.7	116.1



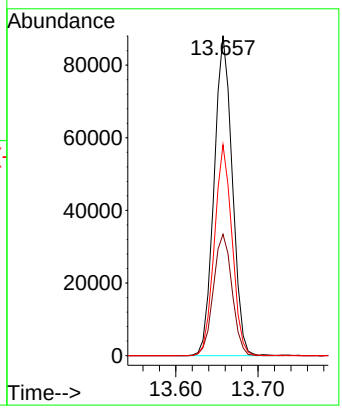


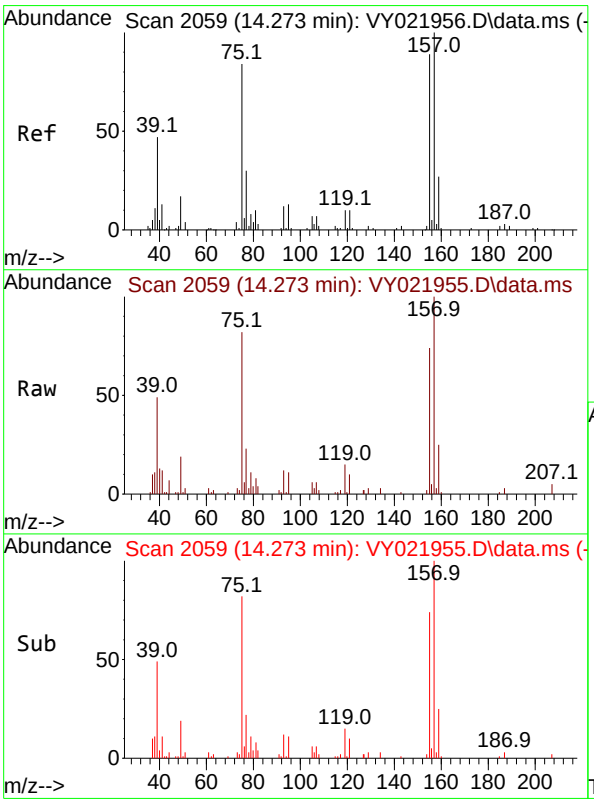
#91
1,2-Dichlorobenzene
Concen: 19.175 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 135650

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.8	32.1	96.3

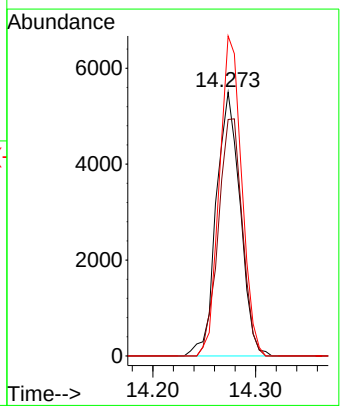


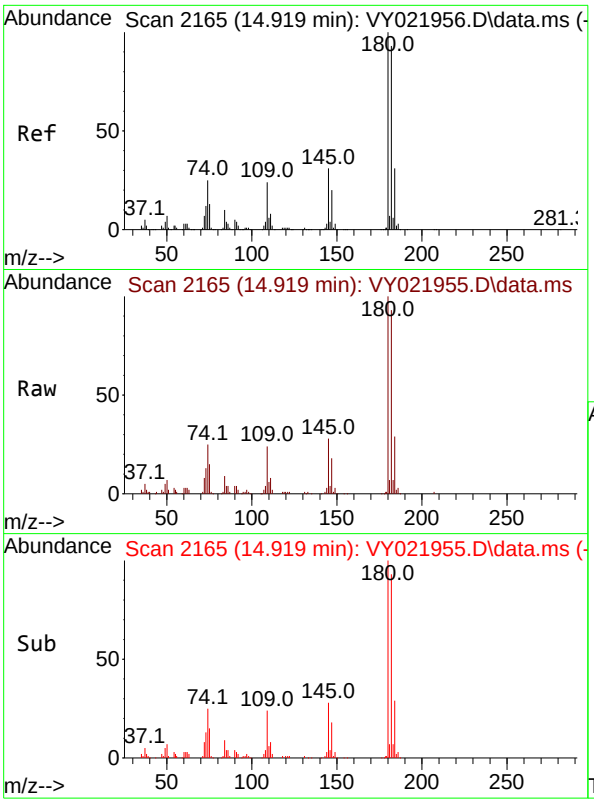


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.910 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion: 75 Resp: 8864

Ion	Ratio	Lower	Upper
75	100		
155	90.1	50.7	152.3
157	113.1	62.6	187.8



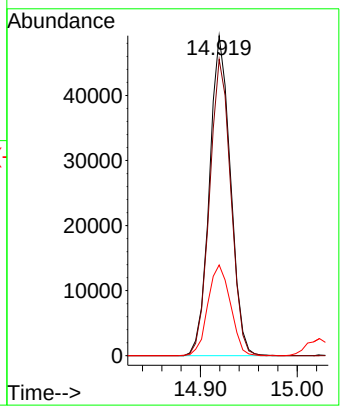


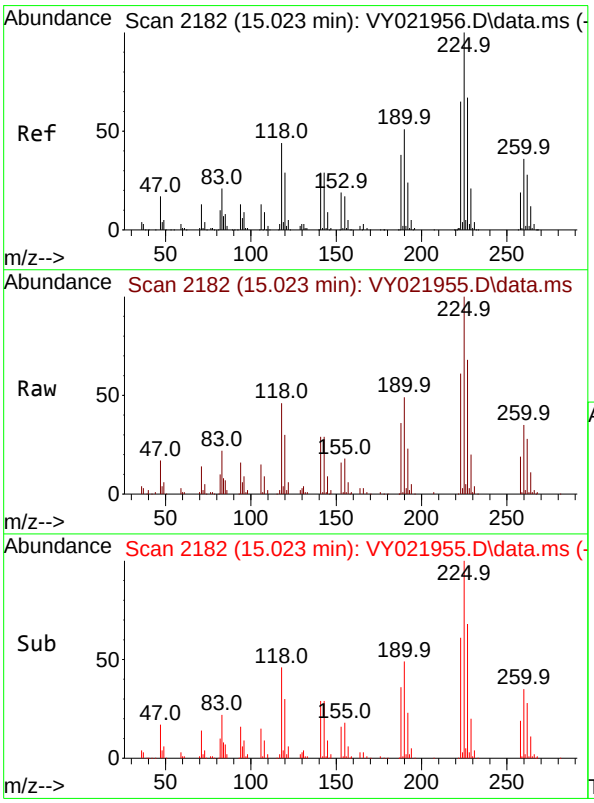
#93
1,2,4-Trichlorobenzene
Concen: 18.532 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 74289

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.4
145	30.4	15.0	45.0

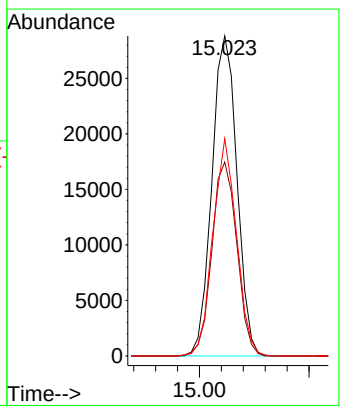


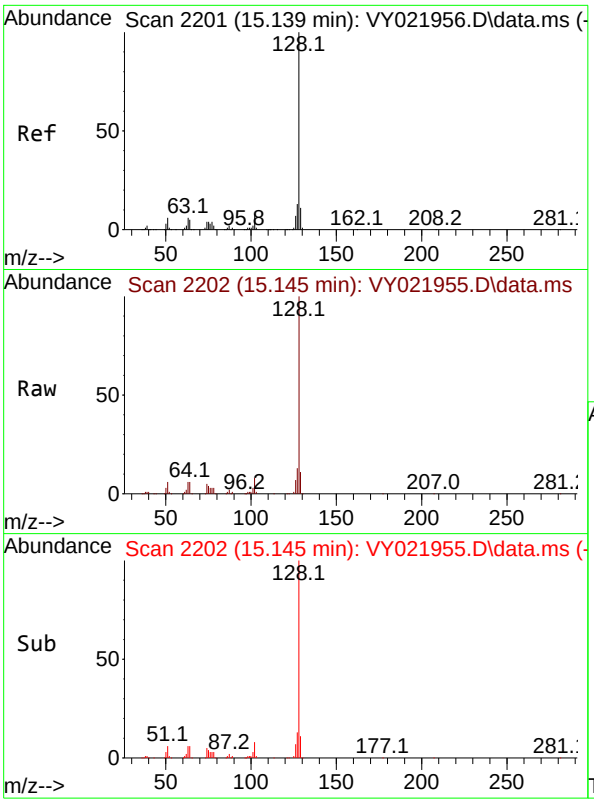


#94
Hexachlorobutadiene
Concen: 18.538 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:225 Resp: 45722

Ion	Ratio	Lower	Upper
225	100		
223	60.5	31.9	95.5
227	64.3	32.3	96.9



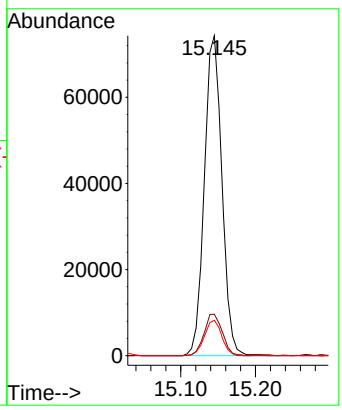


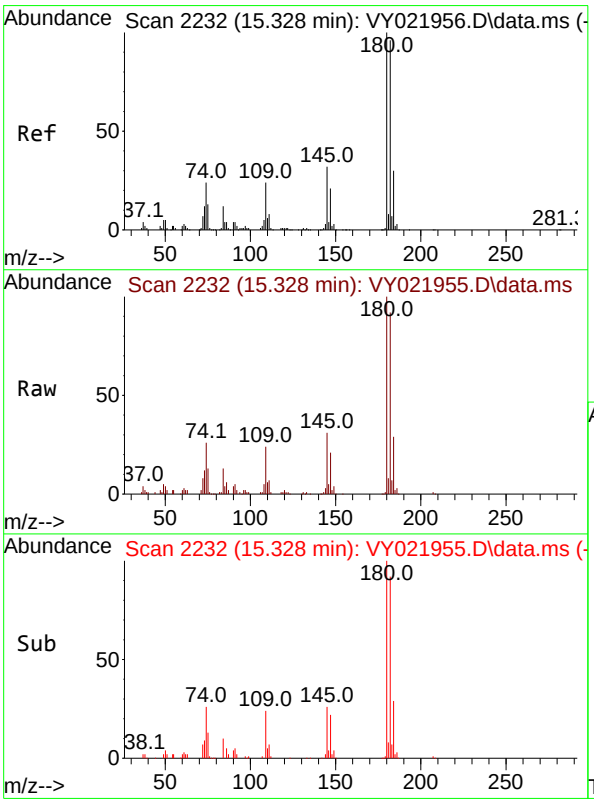
#95
Naphthalene
Concen: 18.238 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 121454

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.9	8.9	13.3

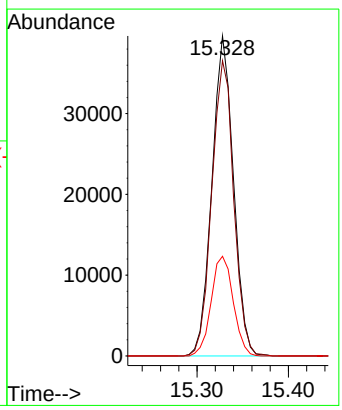




#96
1,2,3-Trichlorobenzene
Concen: 18.707 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021955.D
Acq: 22 Apr 2025 15:07

Tgt Ion:180 Resp: 64735

Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.4
145	32.0	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l		100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l		100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l		100
44) Trichloroethene	8.860	130	183327	47.744	ug/l		100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l		100
46) Dibromomethane	9.231	93	93536	48.740	ug/l		100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l		100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l		100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l		100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l		100
52) Toluene	10.170	92	446525	49.760	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l		100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l		100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l		100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l		100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l		100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l		100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l		100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l		100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l		100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l		100
69) o-Xylene	11.950	106	315731	51.325	ug/l		100
70) Styrene	11.969	104	535957	51.890	ug/l		100
71) Bromoform	12.133	173	105166	50.110	ug/l	#	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l		100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	179642	82.900	ug/l	#	100
77) Bromobenzene	12.530	156	203522	49.021	ug/l		100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l		100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l		100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l		100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l		100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l		100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l		100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l		100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l		100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l		100
95) Naphthalene	15.139	128	353130	51.007	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

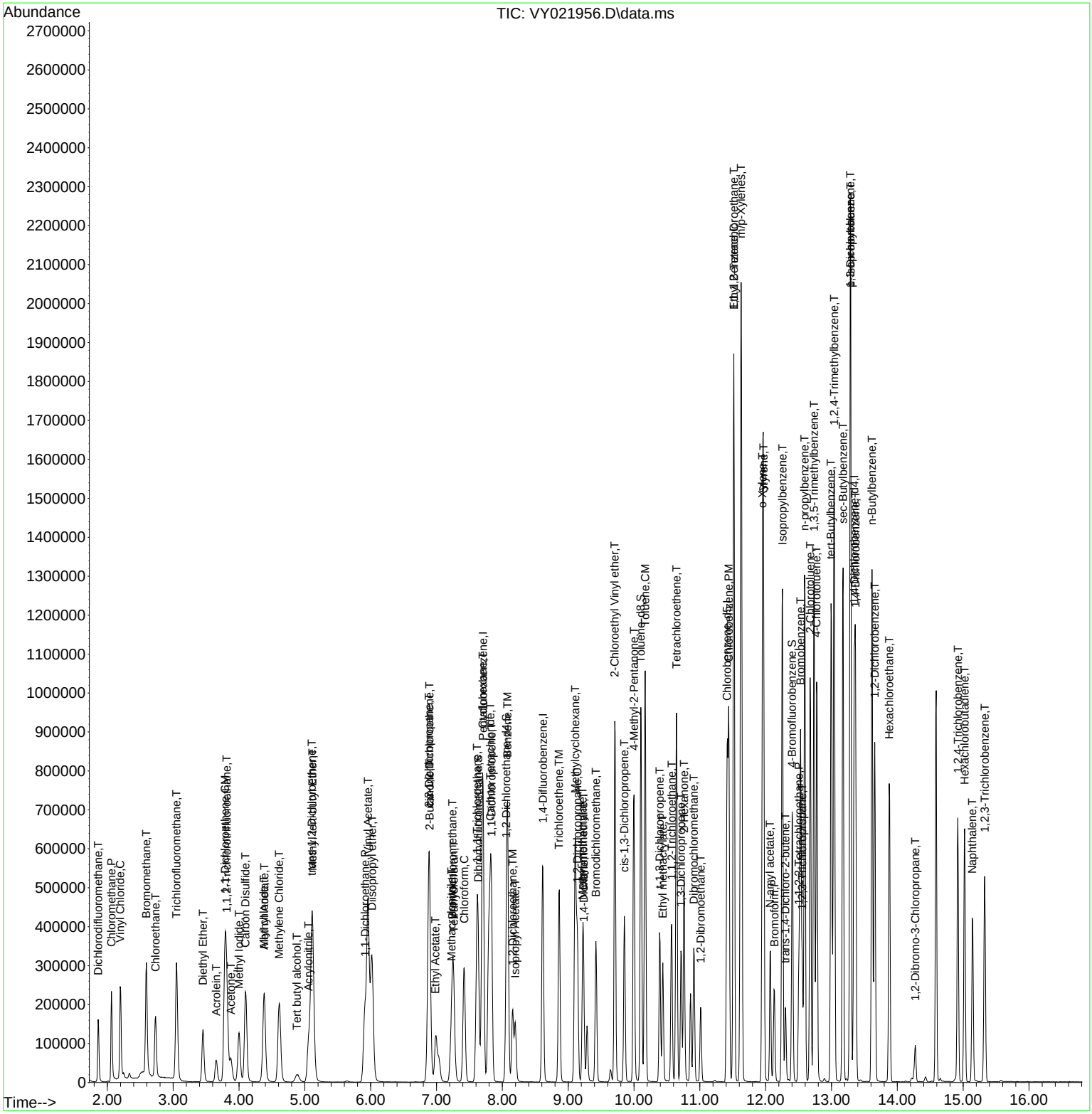
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

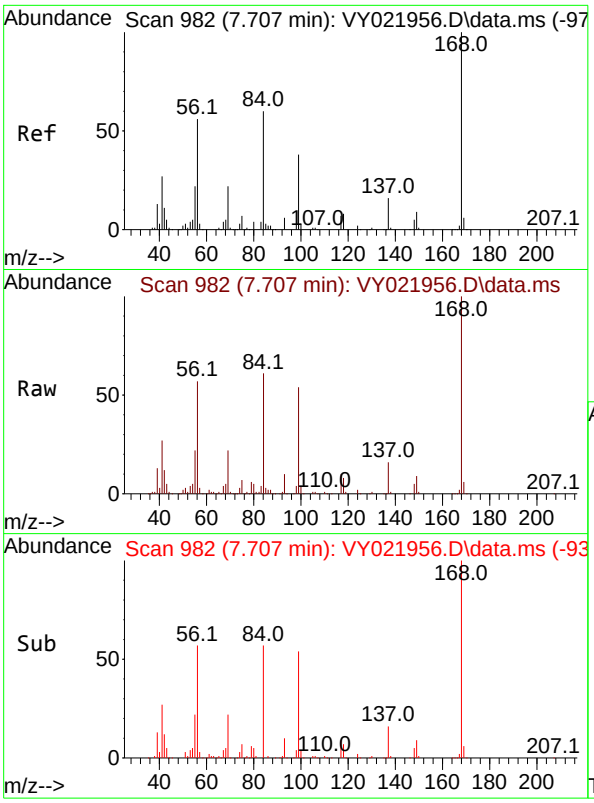
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



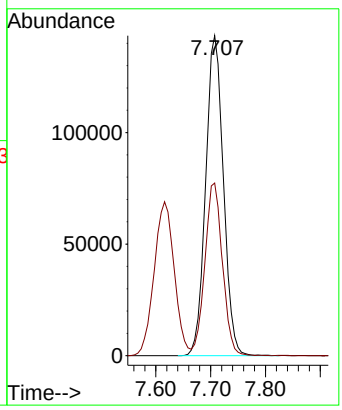


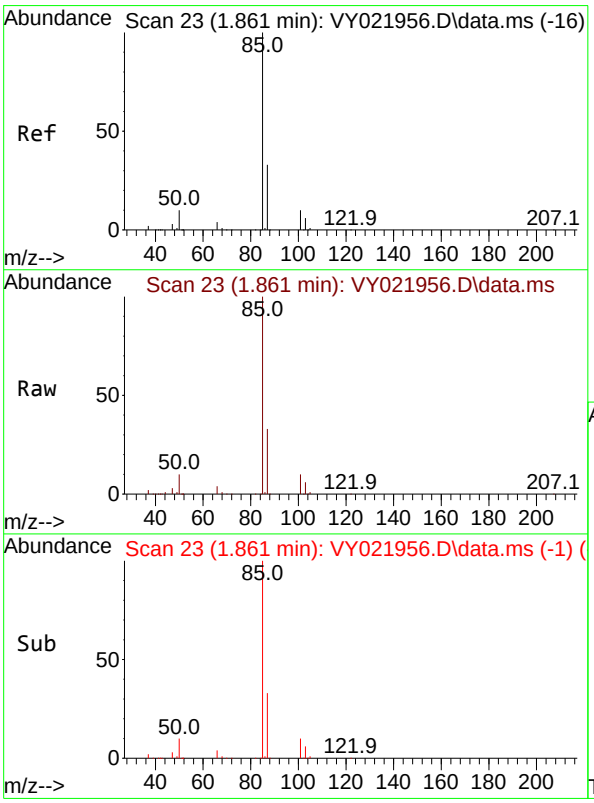
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 321453

Ion	Ratio	Lower	Upper
168	100		
99	53.9	43.1	64.7

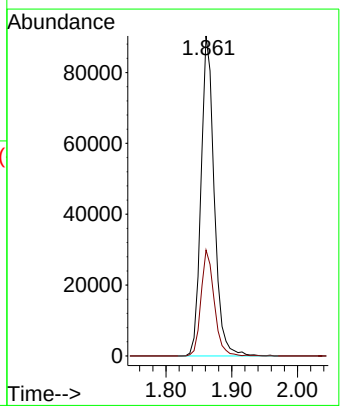


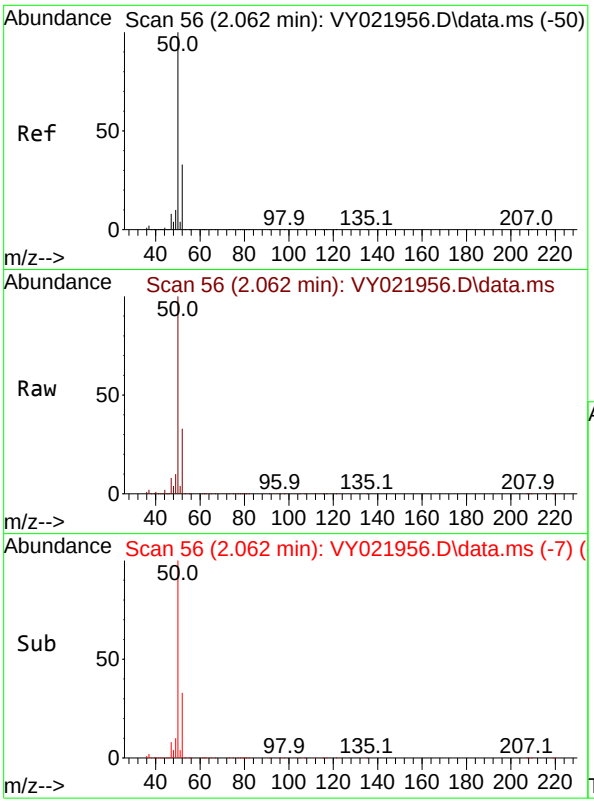


#2
Dichlorodifluoromethane
Concen: 46.089 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 85 Resp: 126242

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.7



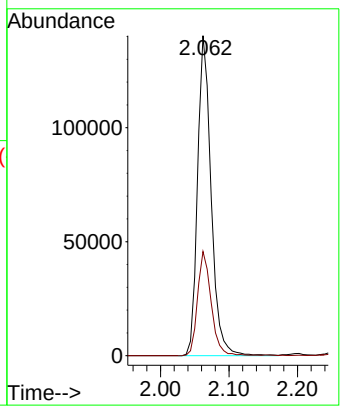


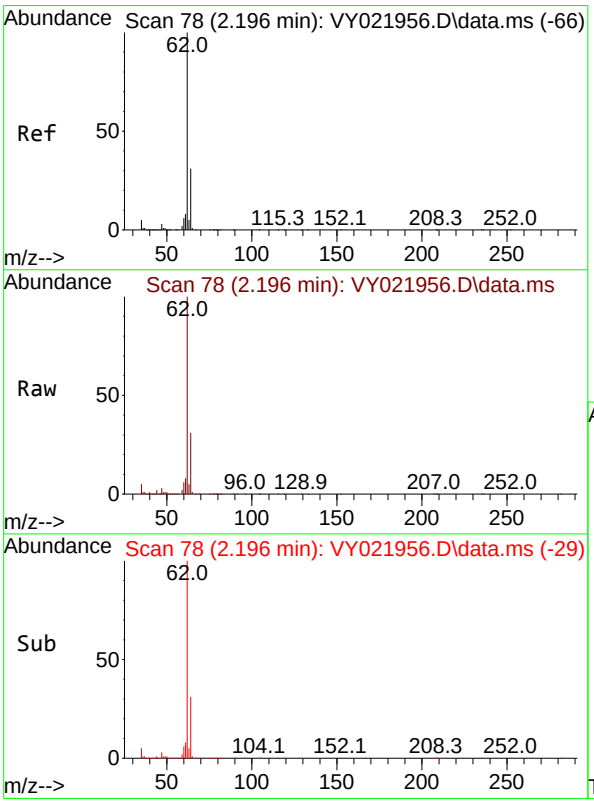
#3
Chloromethane
Concen: 49.653 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 193657

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

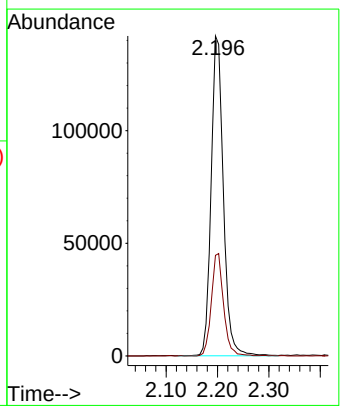


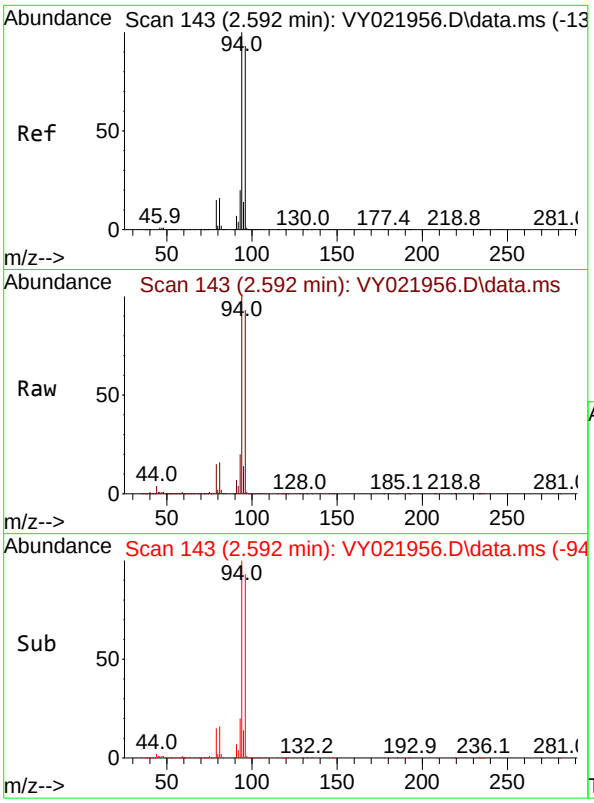


#4
Vinyl Chloride
Concen: 48.981 ug/l
RT: 2.196 min Scan# 78
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 62 Resp: 234756

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.1	37.7



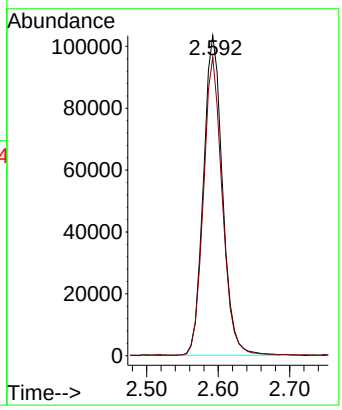


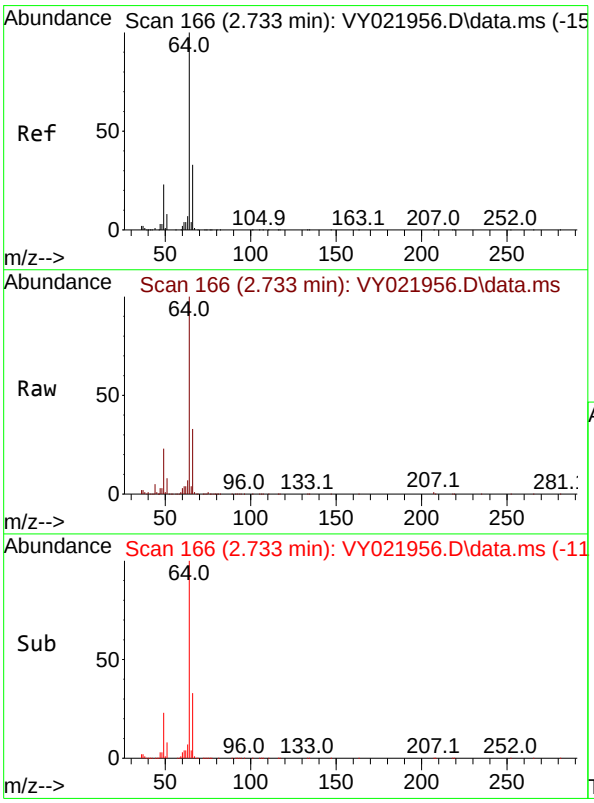
#5
Bromomethane
Concen: 46.385 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 191530

Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.6	111.8

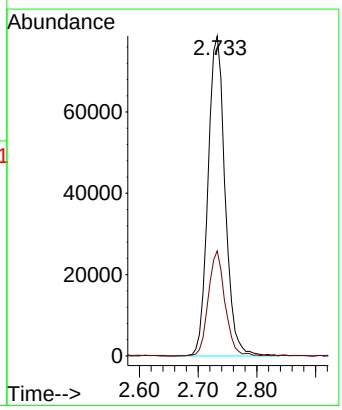


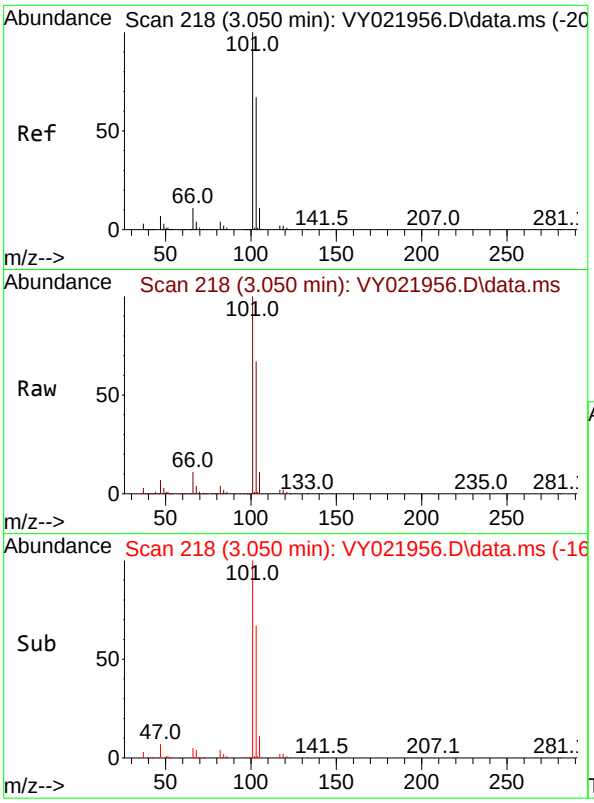


#6
Chloroethane
Concen: 48.677 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 64 Resp: 158887

Ion	Ratio	Lower	Upper
64	100		
66	32.8	26.2	39.4



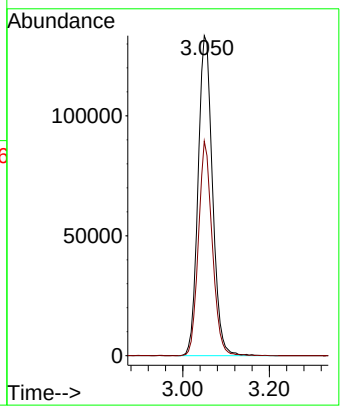


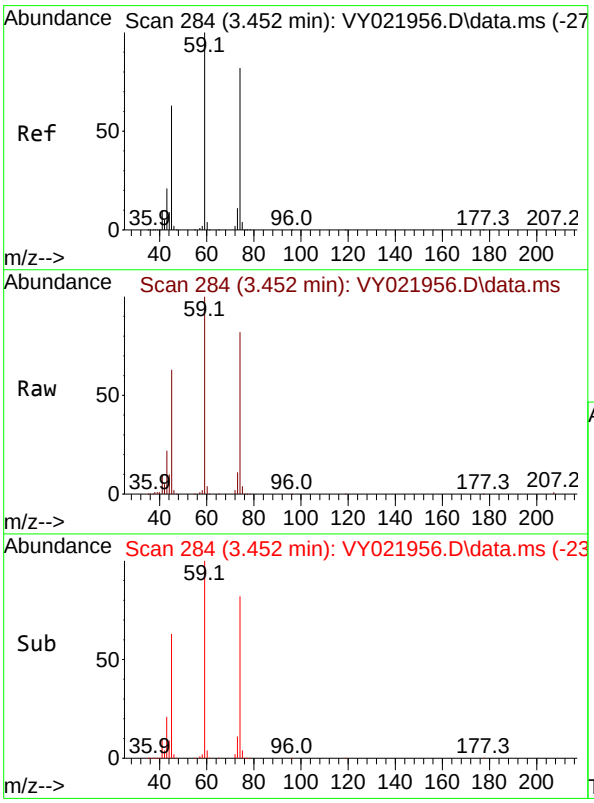
#7
Trichlorofluoromethane
Concen: 48.817 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 308523

Ion	Ratio	Lower	Upper
101	100		
103	67.0	53.6	80.4

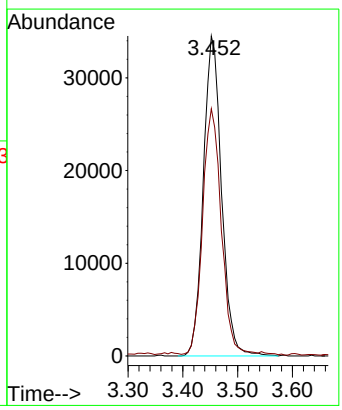


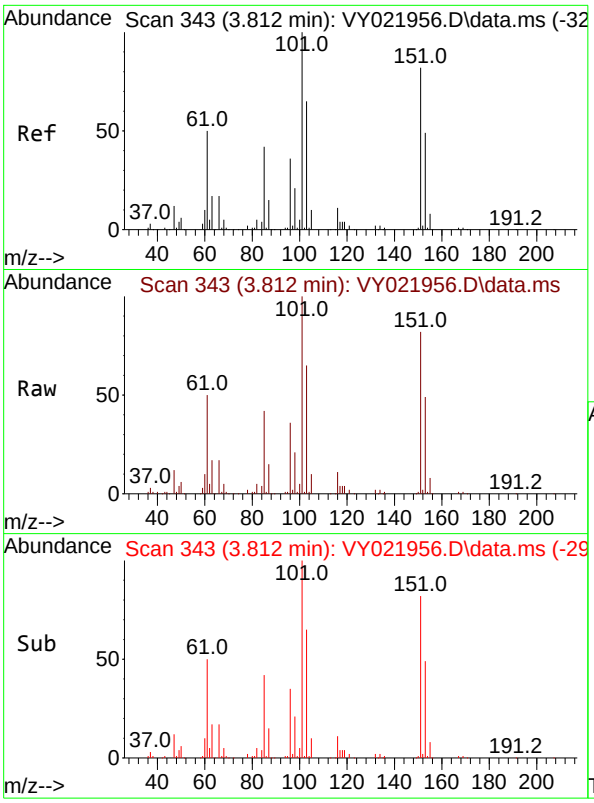


#8
Diethyl Ether
Concen: 48.337 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 74 Resp: 79512

Ion	Ratio	Lower	Upper
74	100		
45	78.3	39.1	117.5



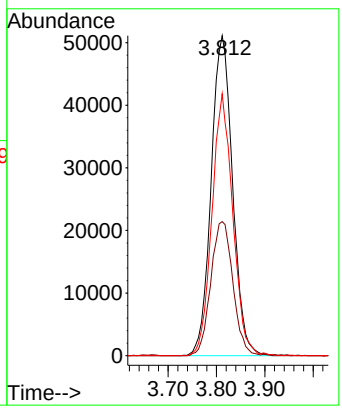


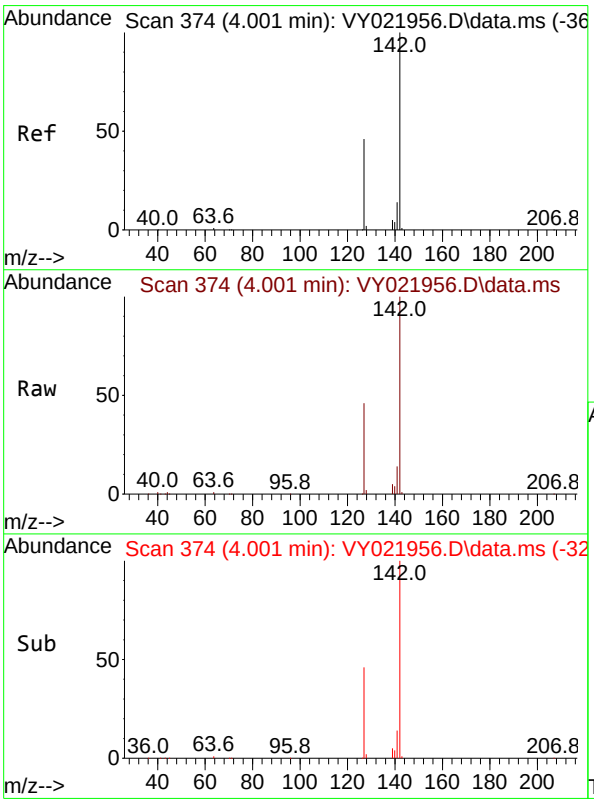
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.881 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 157297

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	79.6	63.7	95.5

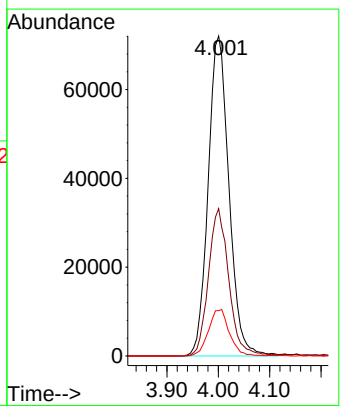


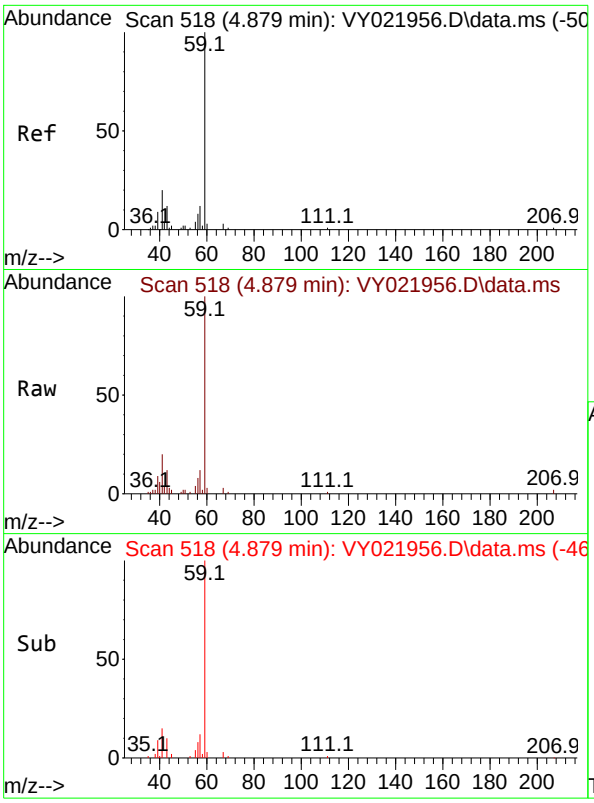


#10
Methyl Iodide
Concen: 50.959 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:142 Resp: 202276

Ion	Ratio	Lower	Upper
142	100		
127	45.2	36.2	54.2
141	14.6	11.7	17.5



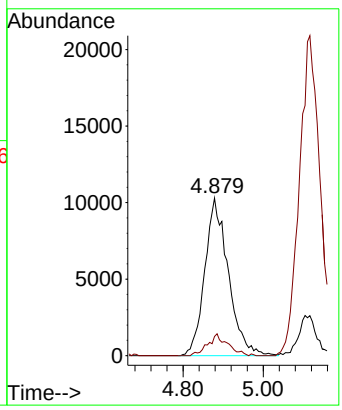


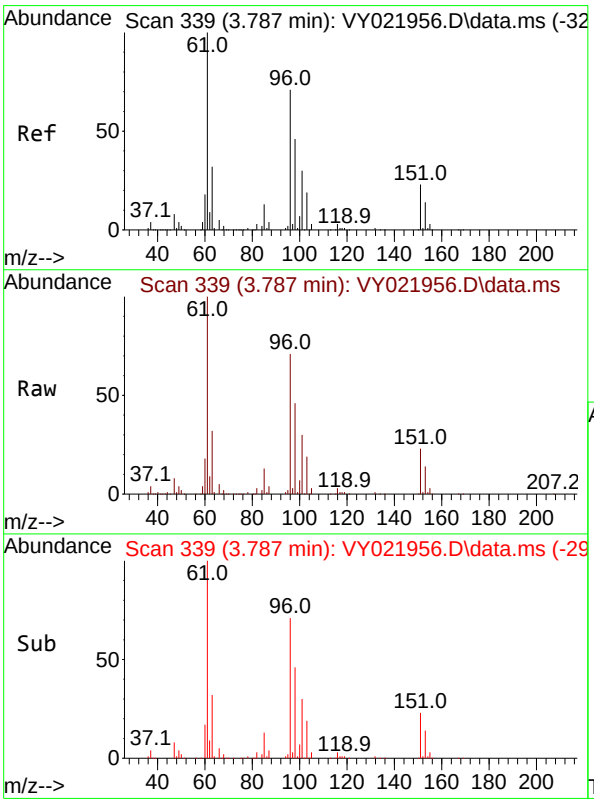
#11
Tert butyl alcohol
Concen: 257.462 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 41968

Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.3	13.9

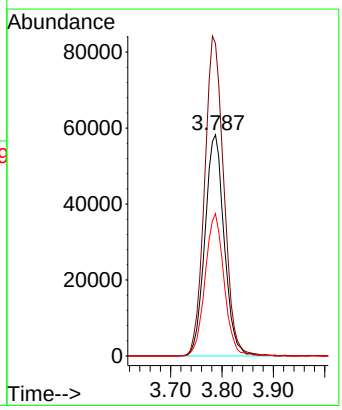


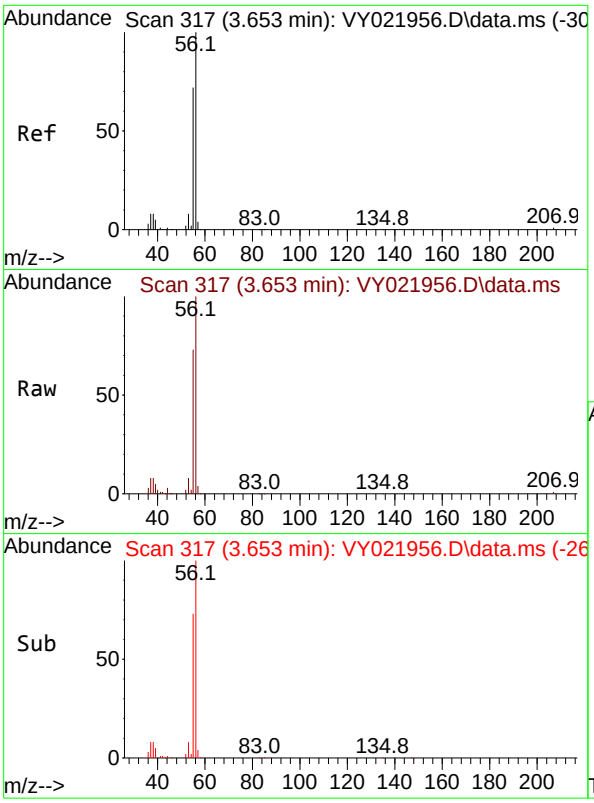


#12
1,1-Dichloroethene
Concen: 47.419 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 96 Resp: 151531

Ion	Ratio	Lower	Upper
96	100		
61	141.2	113.0	169.4
98	64.3	51.4	77.2



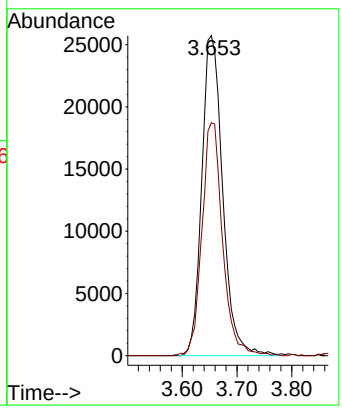


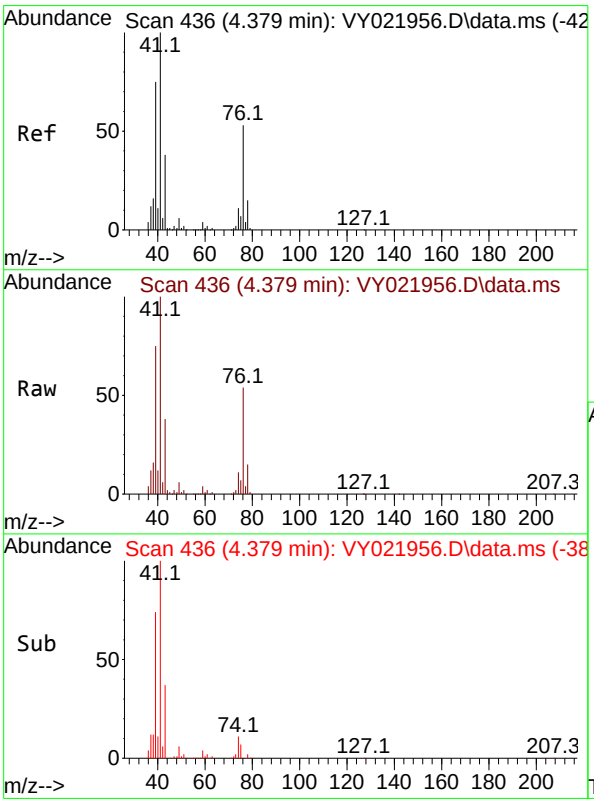
#13
Acrolein
Concen: 233.366 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 68275

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.4	86.0

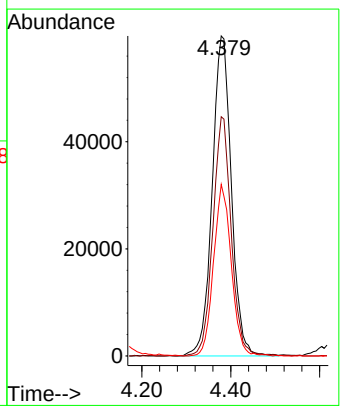


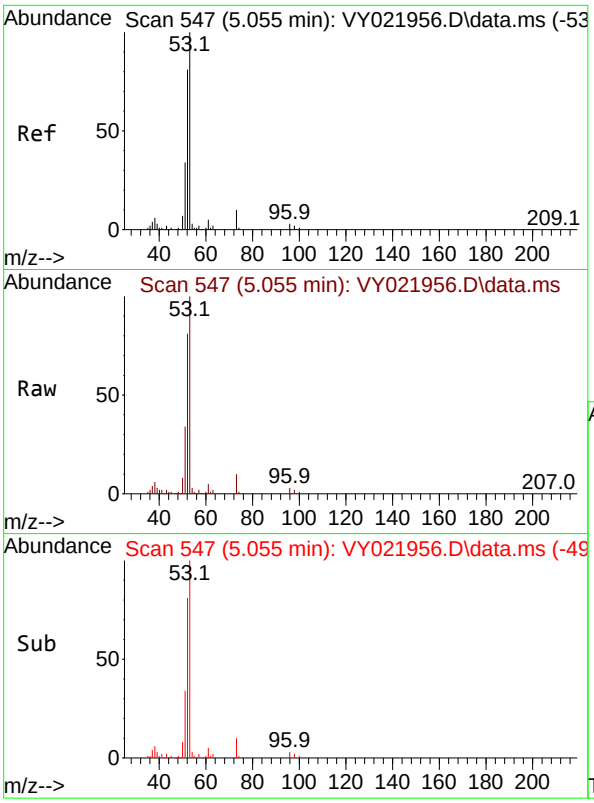


#14
Allyl chloride
Concen: 47.988 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 41 Resp: 178559

Ion	Ratio	Lower	Upper
41	100		
39	71.5	57.2	85.8
76	49.6	39.7	59.5



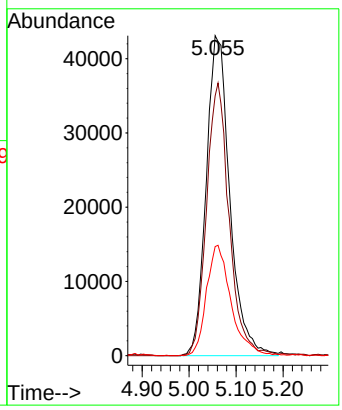


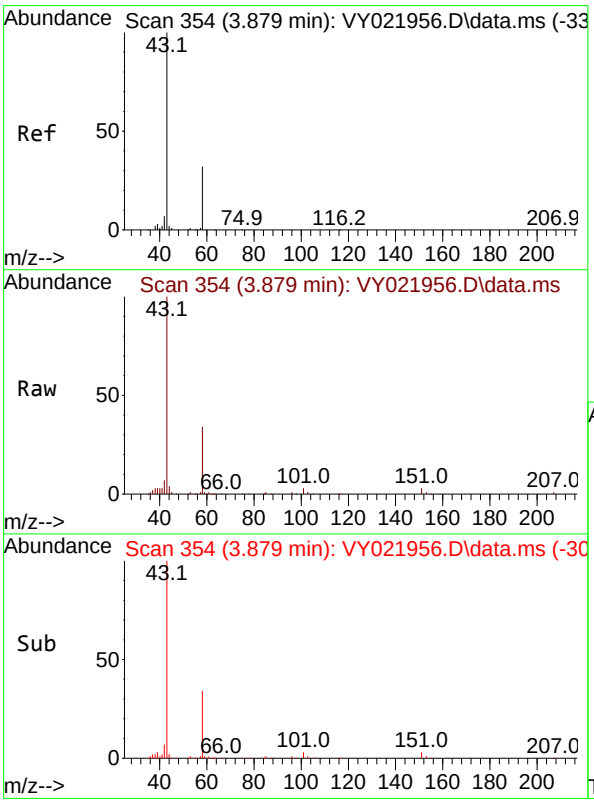
#15
Acrylonitrile
Concen: 249.387 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 150181

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	36.1	28.9	43.3

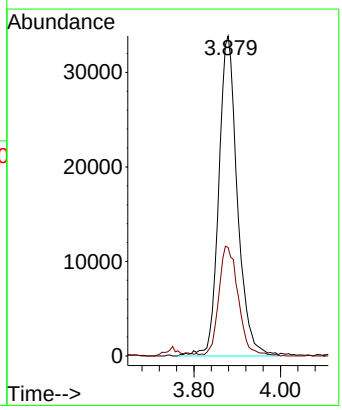


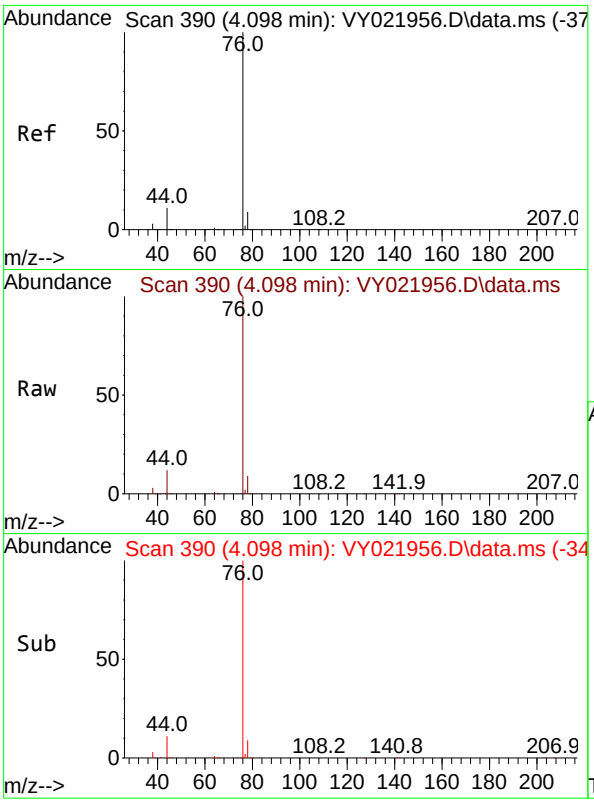


#16
Acetone
Concen: 261.973 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 101417

Ion	Ratio	Lower	Upper
43	100		
58	33.7	27.0	40.4



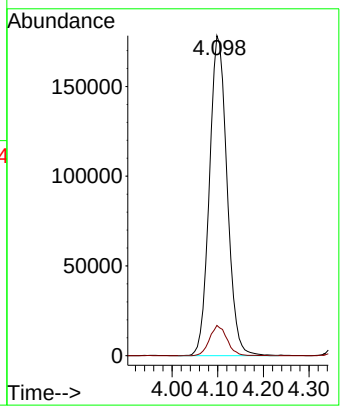


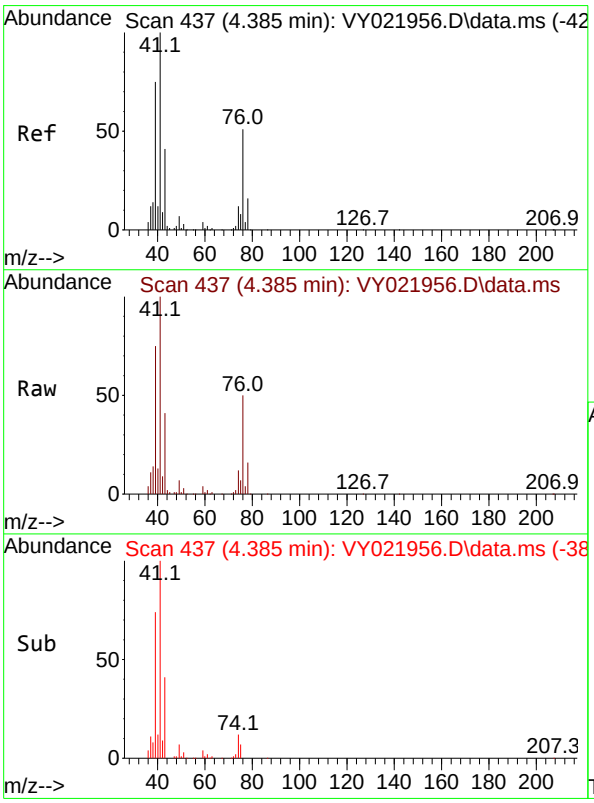
#17
Carbon Disulfide
Concen: 47.094 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 479842

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

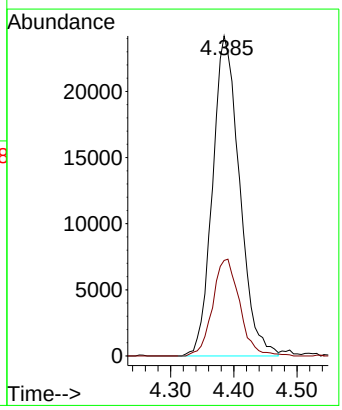


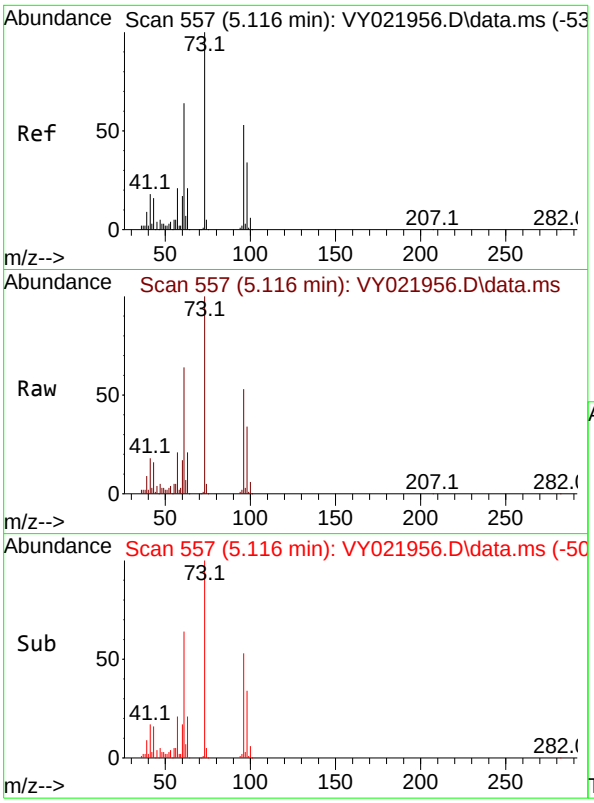


#18
Methyl Acetate
Concen: 51.735 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 71756

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4



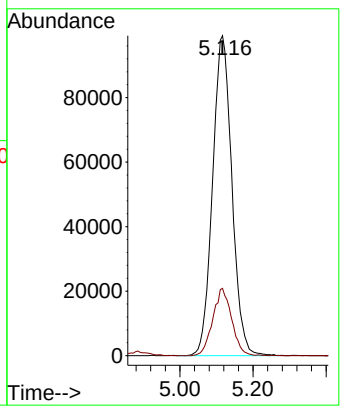


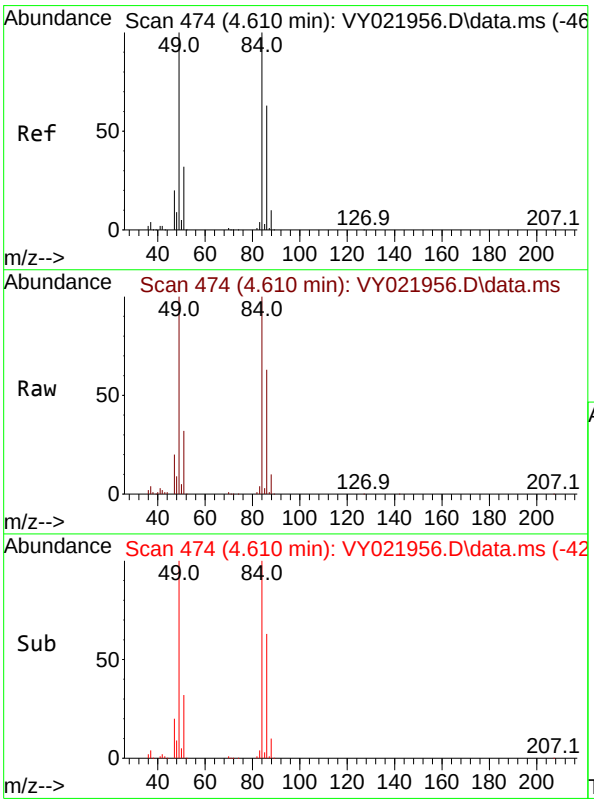
#19
Methyl tert-butyl Ether
Concen: 50.907 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 364107

Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.9	25.3

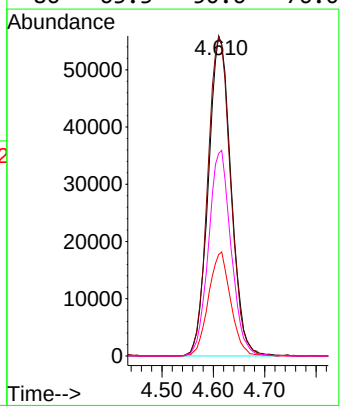


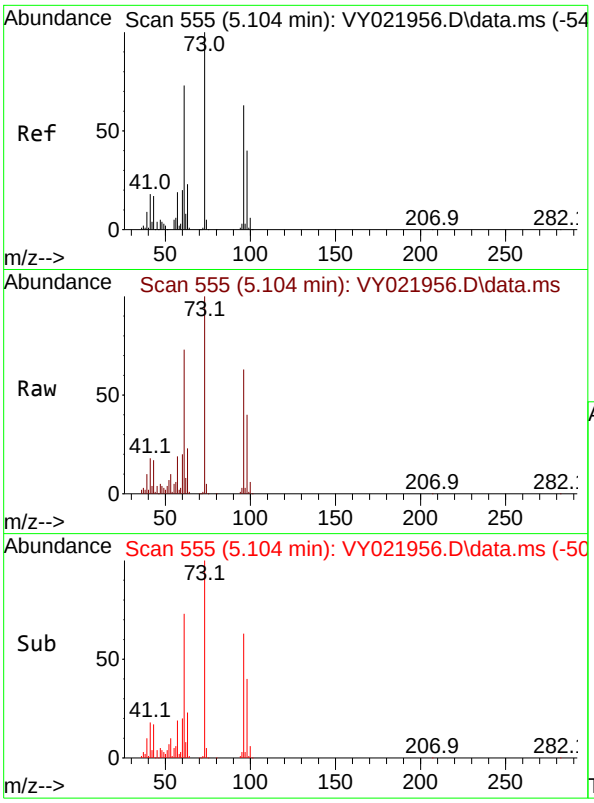


#20
Methylene Chloride
Concen: 45.671 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 84 Resp: 171472

Ion	Ratio	Lower	Upper
84	100		
49	99.9	79.9	119.9
51	31.7	25.4	38.0
86	63.3	50.6	76.0



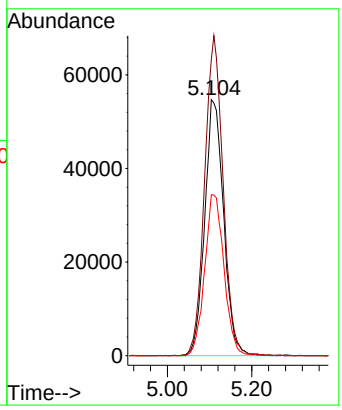


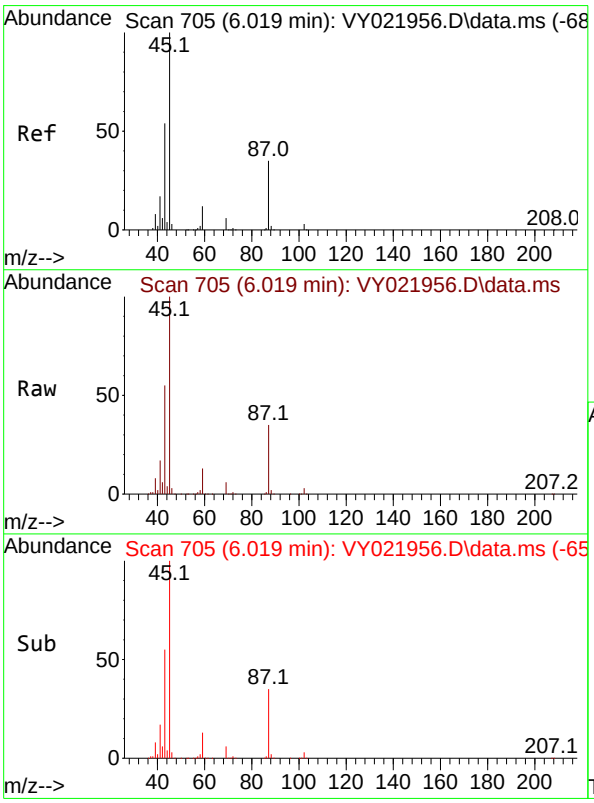
#21
trans-1,2-Dichloroethene
Concen: 47.796 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 171054

Ion	Ratio	Lower	Upper
96	100		
61	115.7	92.6	138.8
98	62.8	50.2	75.4

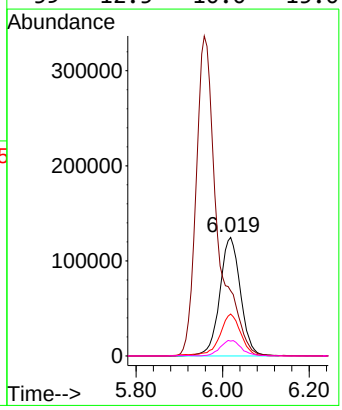


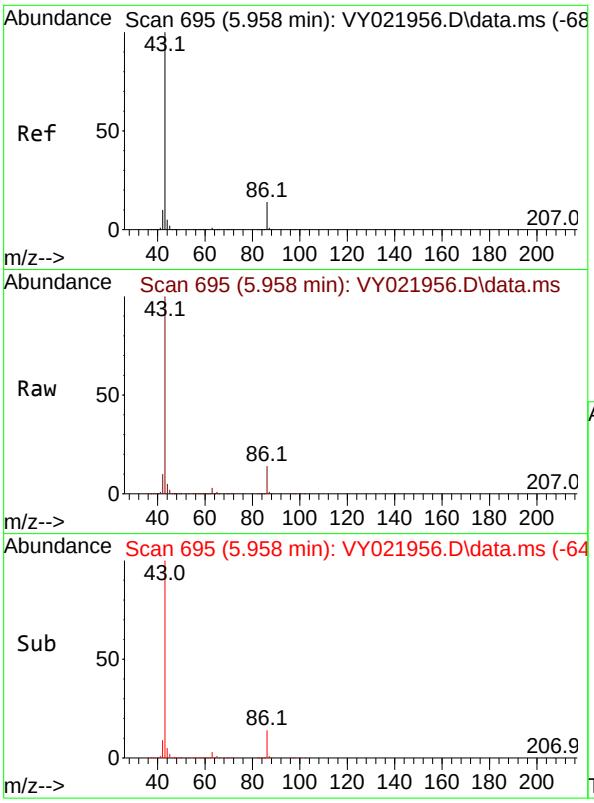


#22
Diisopropyl ether
Concen: 50.096 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 45 Resp: 414816

Ion	Ratio	Lower	Upper
45	100		
43	54.5	43.6	65.4
87	35.3	28.2	42.4
59	12.5	10.0	15.0



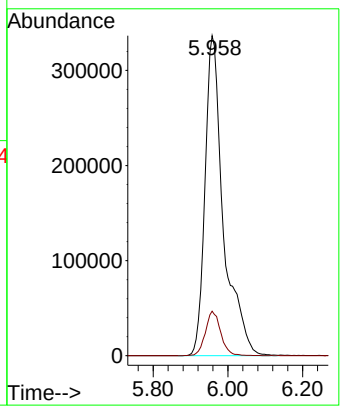


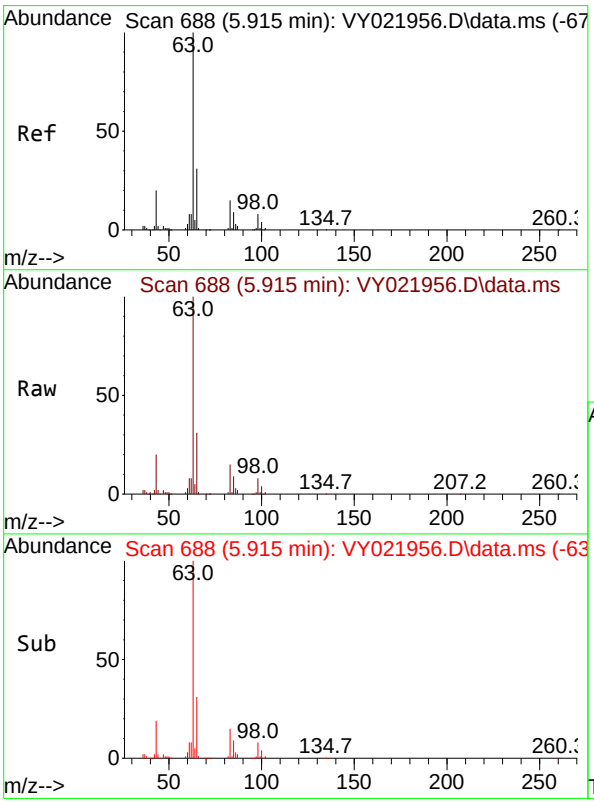
#23
Vinyl Acetate
Concen: 257.942 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1151100

Ion	Ratio	Lower	Upper
43	100		
86	13.9	11.1	16.7

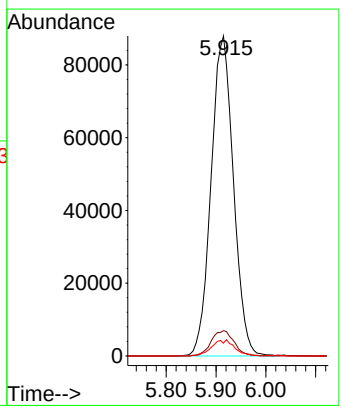


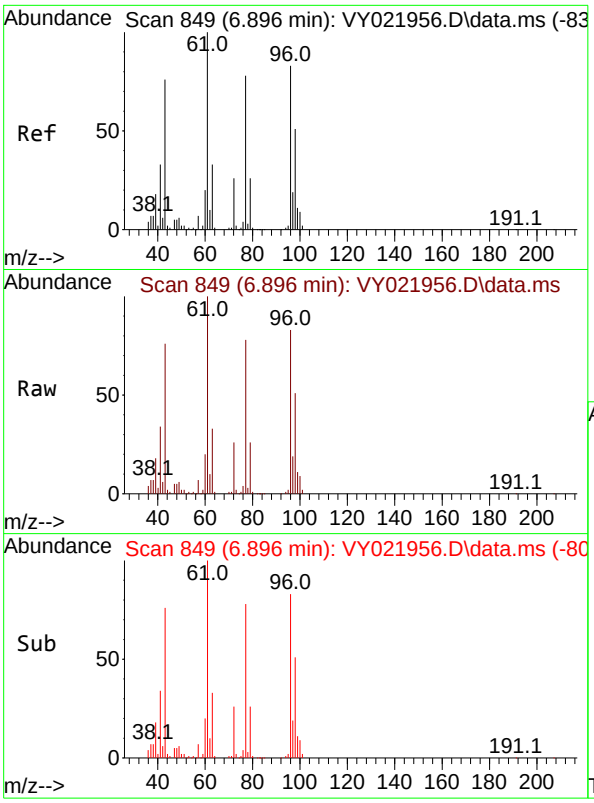


#24
1,1-Dichloroethane
Concen: 47.762 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 63 Resp: 274136

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	11.9
100	4.0	2.0	6.0



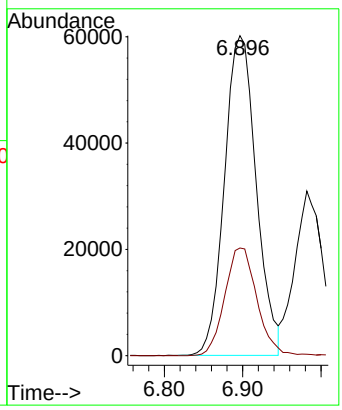


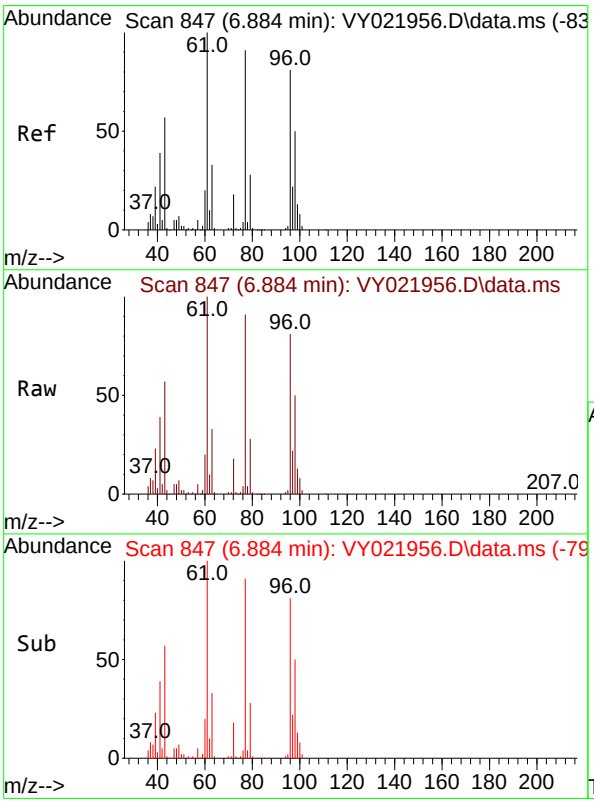
#25
2-Butanone
Concen: 250.772 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 169727

Ion	Ratio	Lower	Upper
43	100		
72	33.7	27.0	40.4

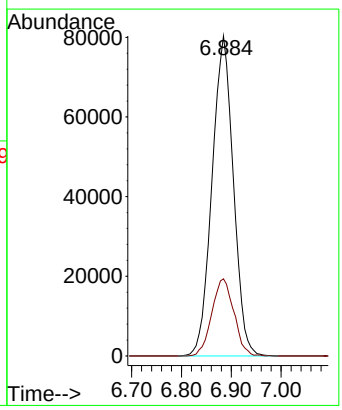


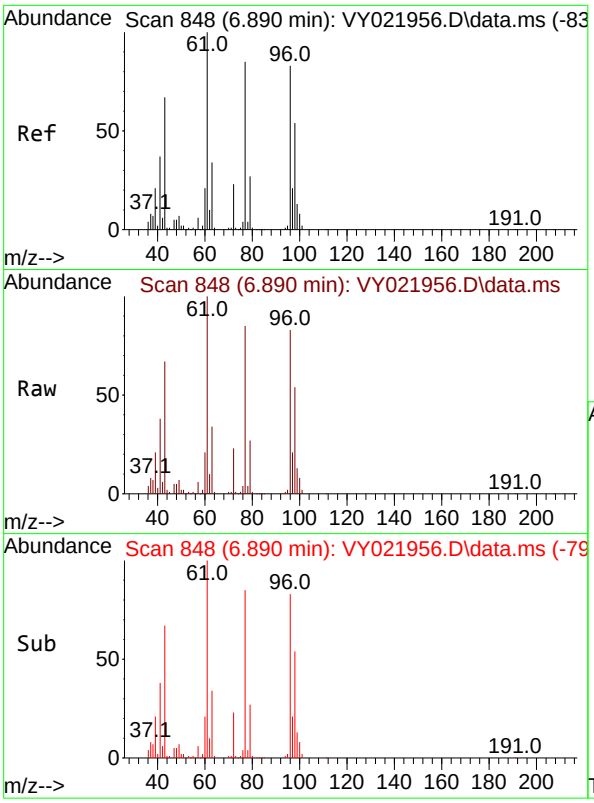


#26
2,2-Dichloropropane
Concen: 47.472 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 77 Resp: 238816

Ion	Ratio	Lower	Upper
77	100		
97	24.9	12.4	37.4



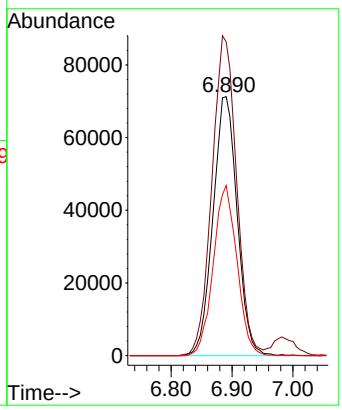


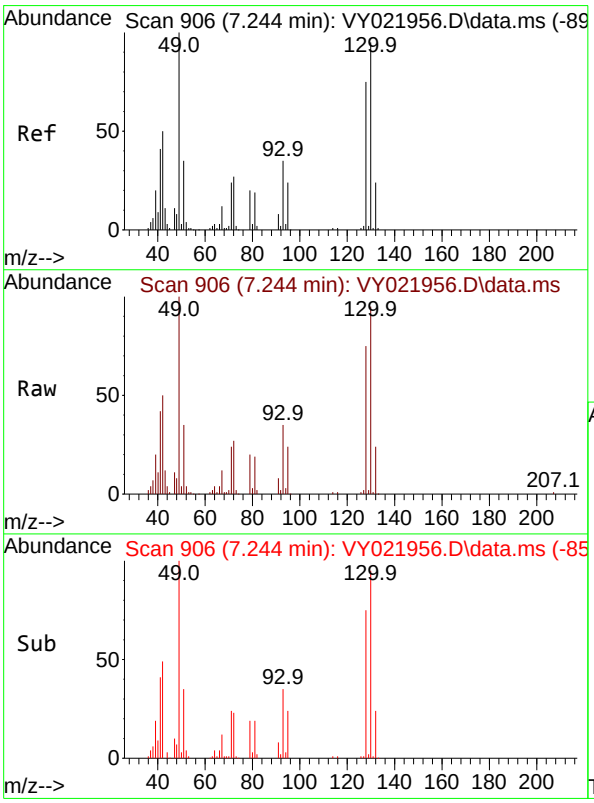
#27
cis-1,2-Dichloroethene
Concen: 49.157 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 196712

Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	251.4
98	64.2	0.0	128.4

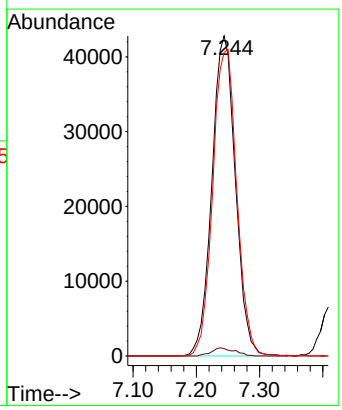


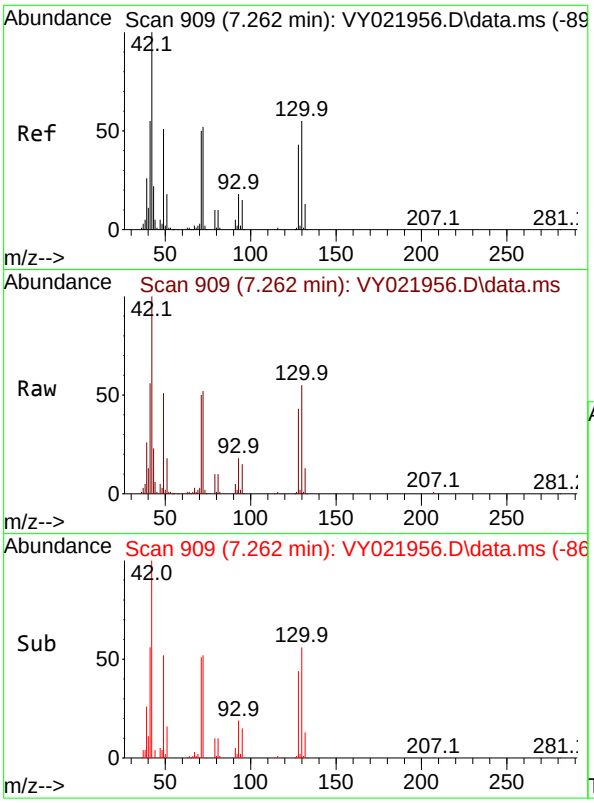


#28
Bromochloromethane
Concen: 49.520 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 49 Resp: 110399

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	97.8	78.2	117.4



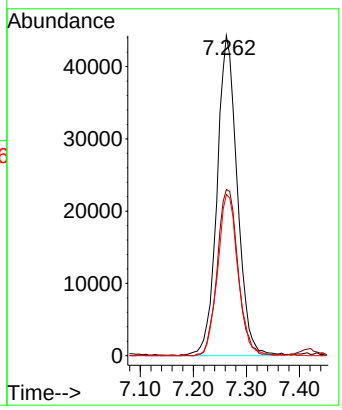


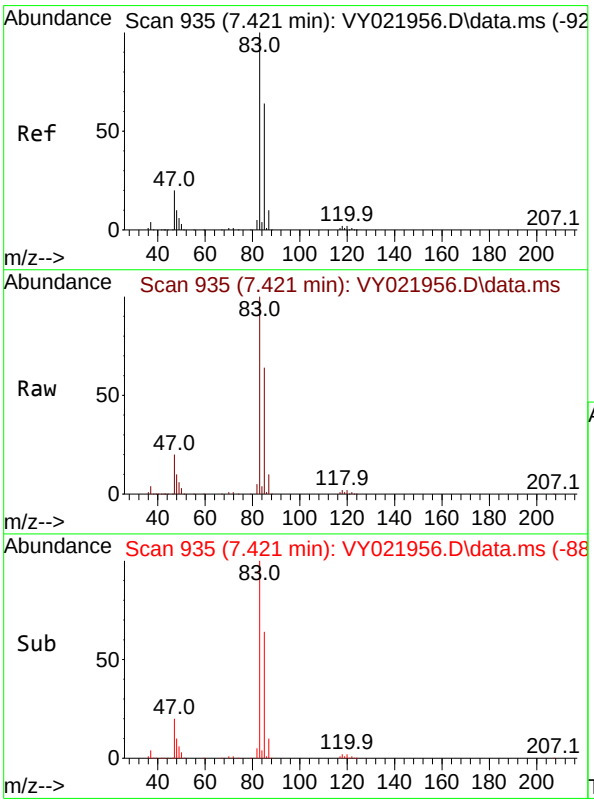
#29
Tetrahydrofuran
Concen: 266.870 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 117311

Ion	Ratio	Lower	Upper
42	100		
72	53.2	42.6	63.8
71	50.8	40.6	61.0

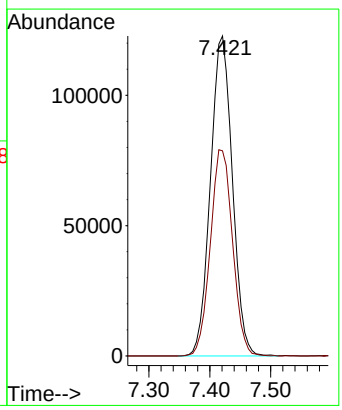


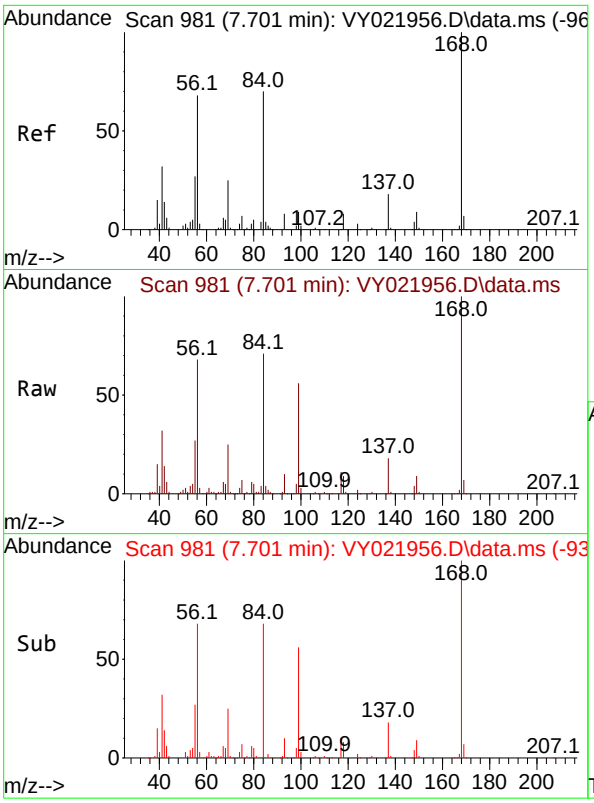


#30
Chloroform
Concen: 48.259 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 83 Resp: 307243

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9



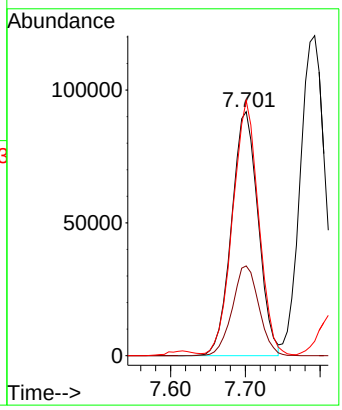


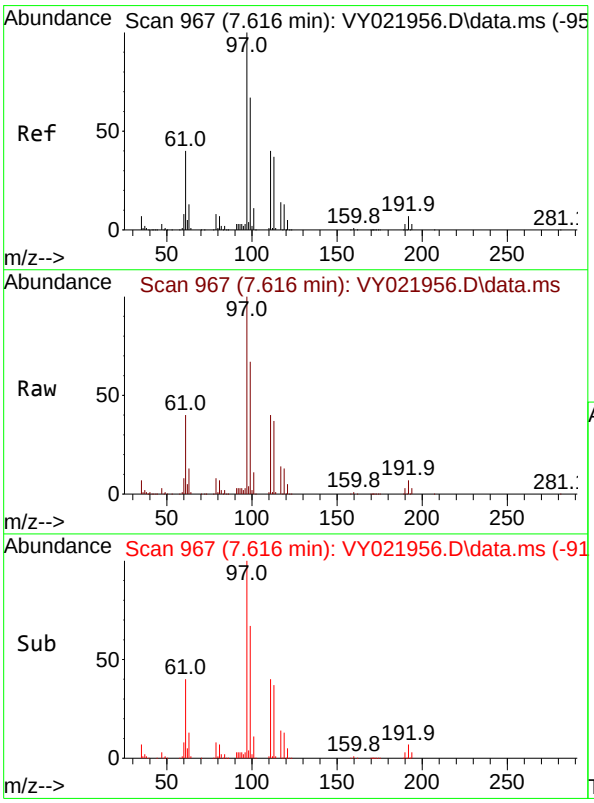
#31
Cyclohexane
Concen: 46.398 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 227735

Ion	Ratio	Lower	Upper
56	100		
69	36.8	29.4	44.2
84	102.8	82.2	123.4

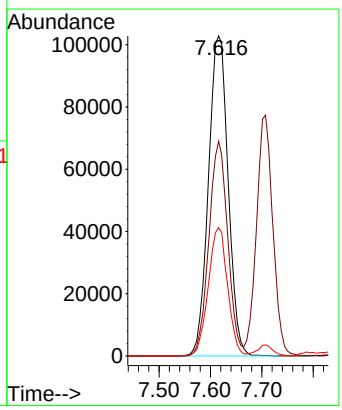


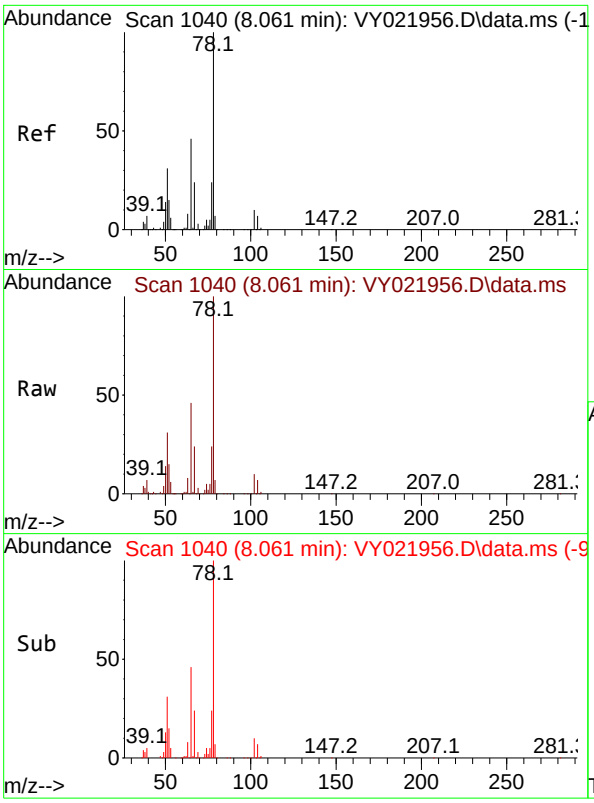


#32
1,1,1-Trichloroethane
Concen: 47.581 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 97 Resp: 274062

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	39.3	31.4	47.2



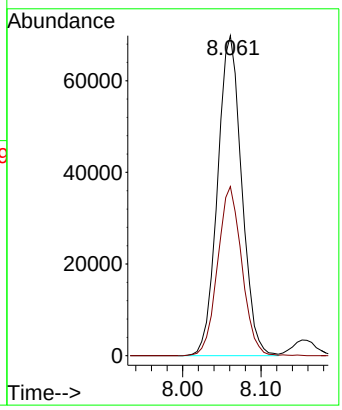


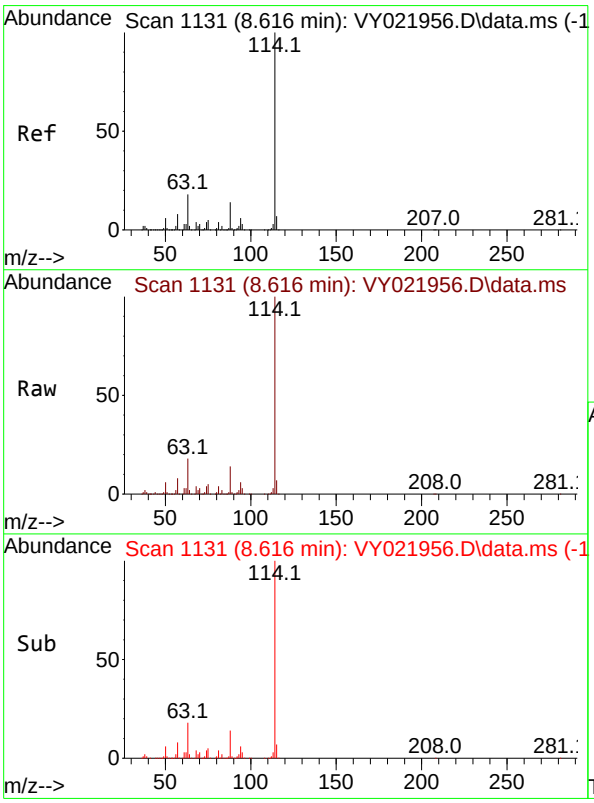
#33
1,2-Dichloroethane-d4
Concen: 50.416 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 149695

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

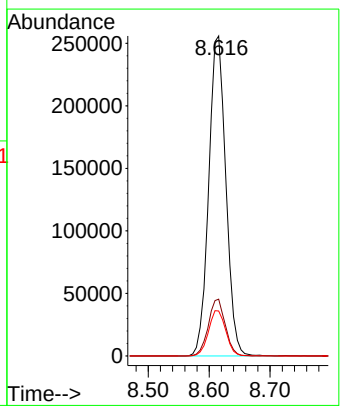


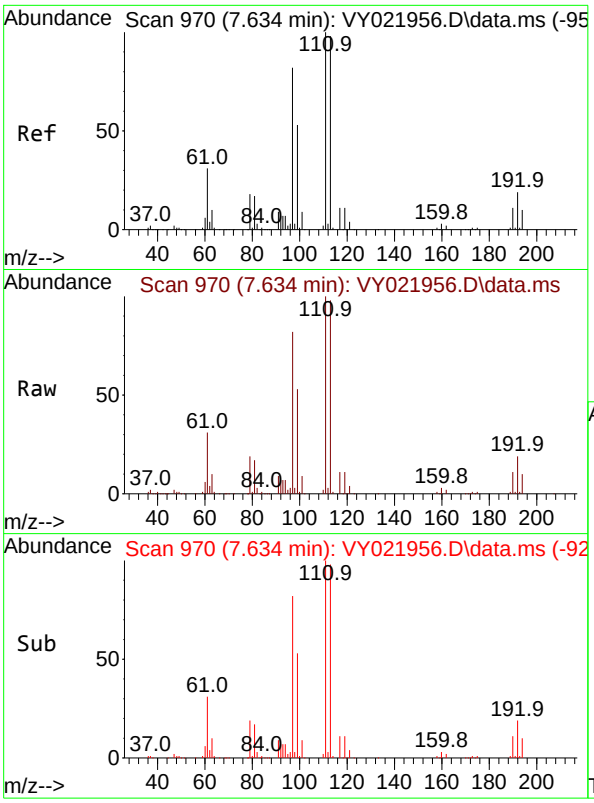


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:114 Resp: 499724

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.1	0.0	28.2



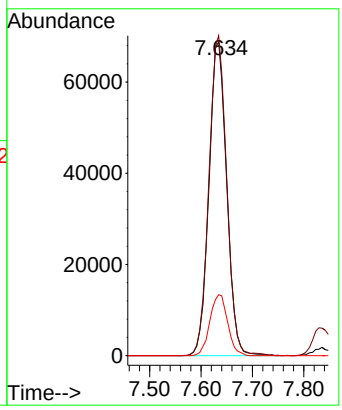


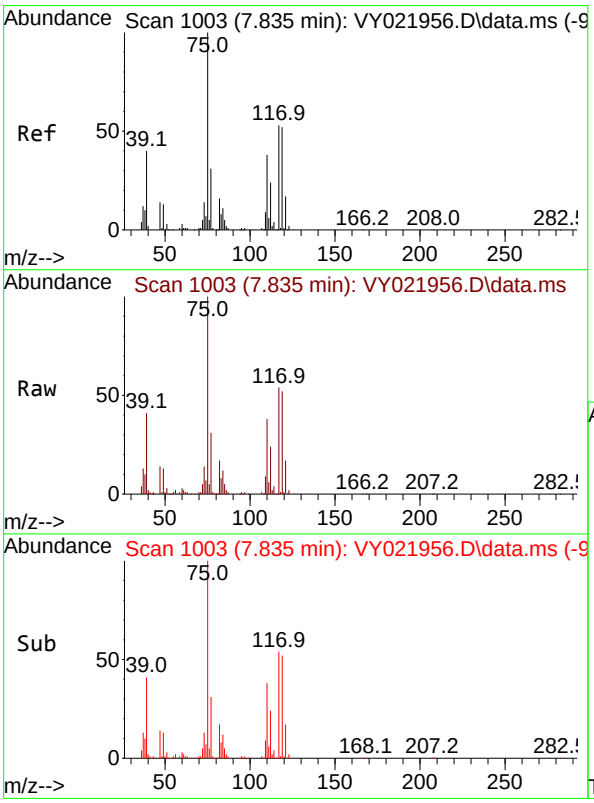
#35
Dibromofluoromethane
Concen: 49.938 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 164867

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	19.5	15.6	23.4

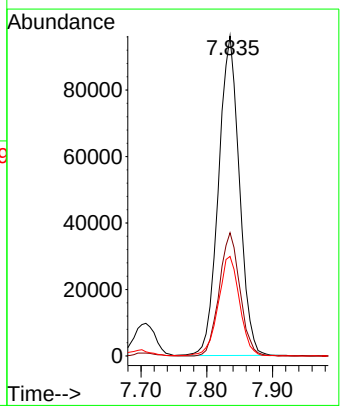


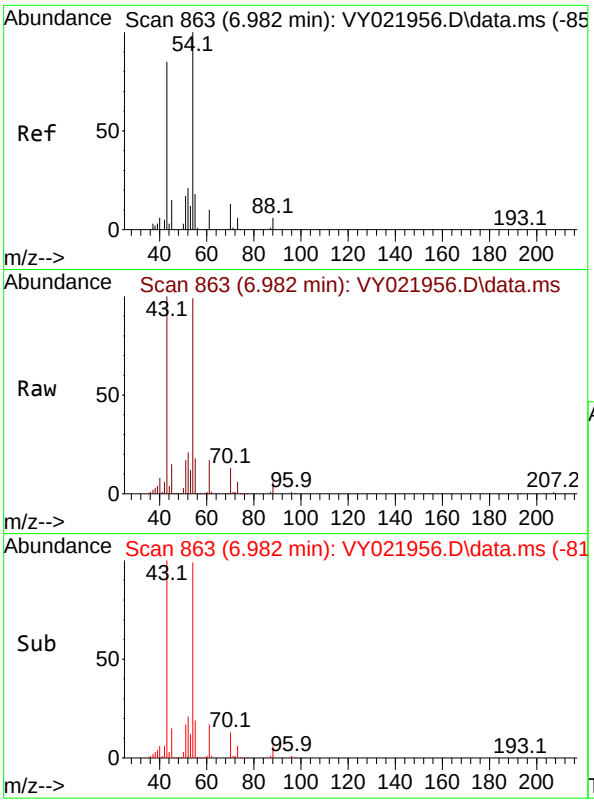


#36
1,1-Dichloropropene
Concen: 47.923 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 212523

Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.3
77	31.9	25.5	38.3



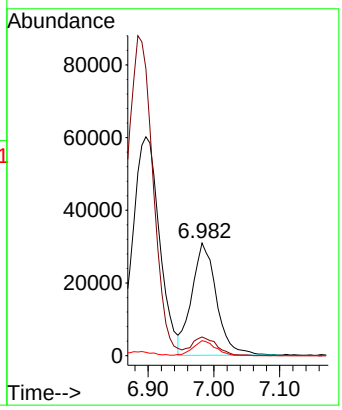


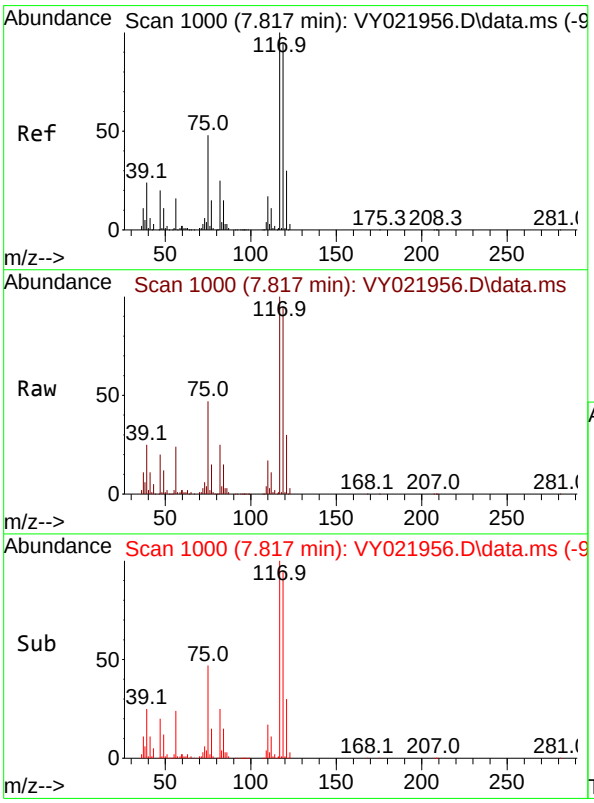
#37
Ethyl Acetate
Concen: 51.312 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 80627

Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.8	20.6
70	11.5	9.2	13.8

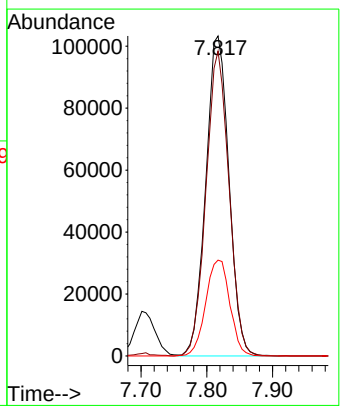


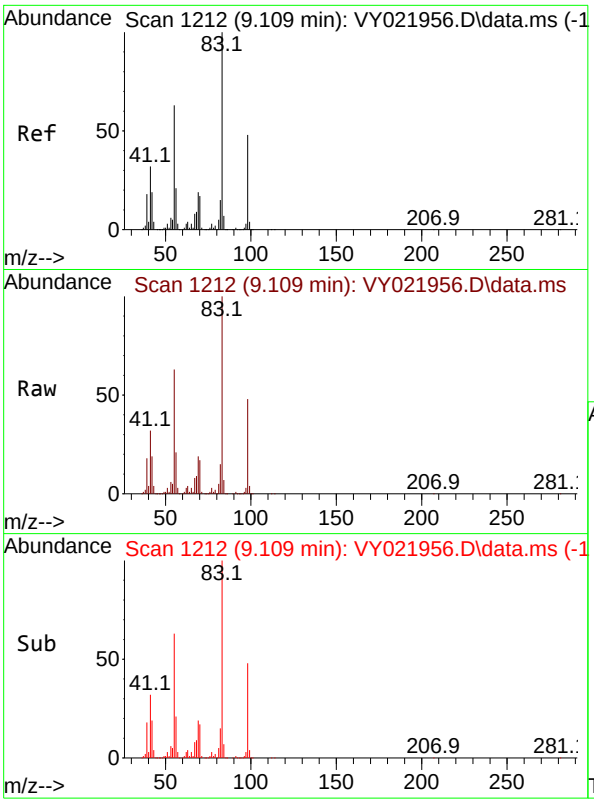


#38
Carbon Tetrachloride
Concen: 47.838 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:117 Resp: 253502

Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	30.0	24.0	36.0



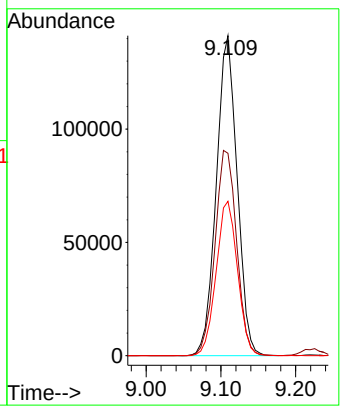


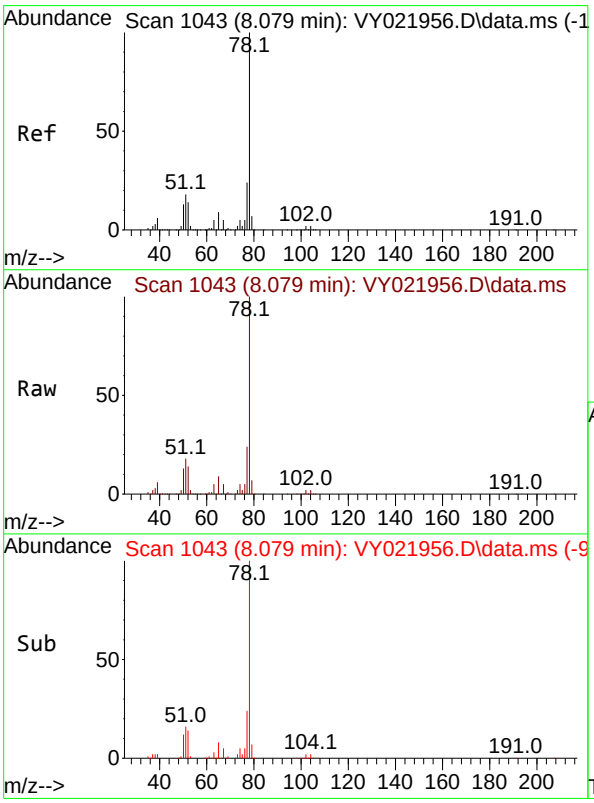
#39
Methylcyclohexane
Concen: 49.170 ug/l
RT: 9.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 274408

Ion	Ratio	Lower	Upper
83	100		
55	63.2	50.6	75.8
98	48.3	38.6	58.0

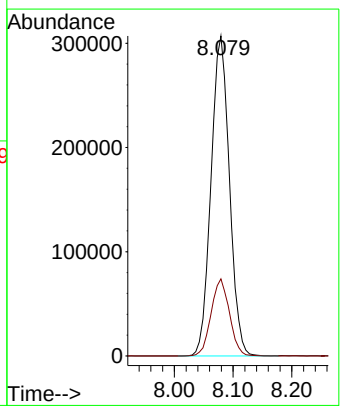


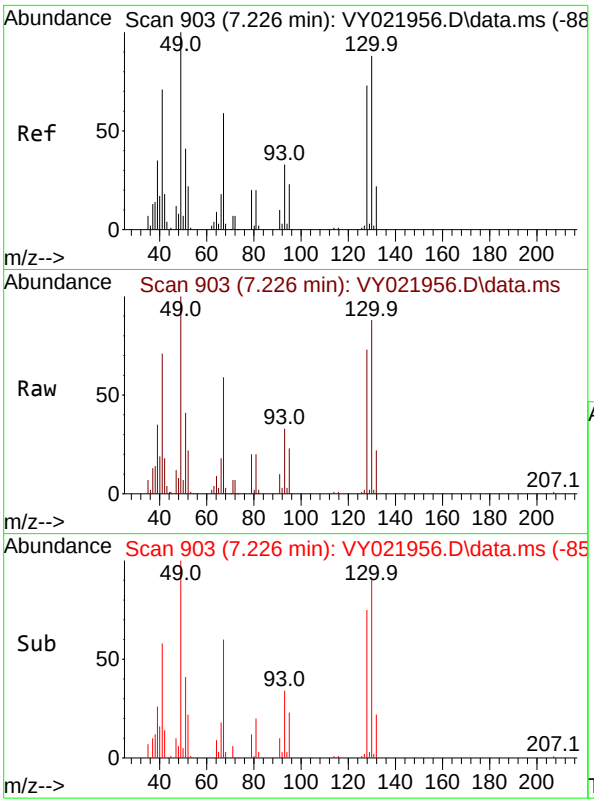


#40
Benzene
Concen: 48.179 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 78 Resp: 667899

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



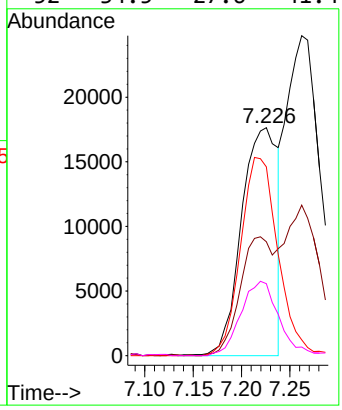


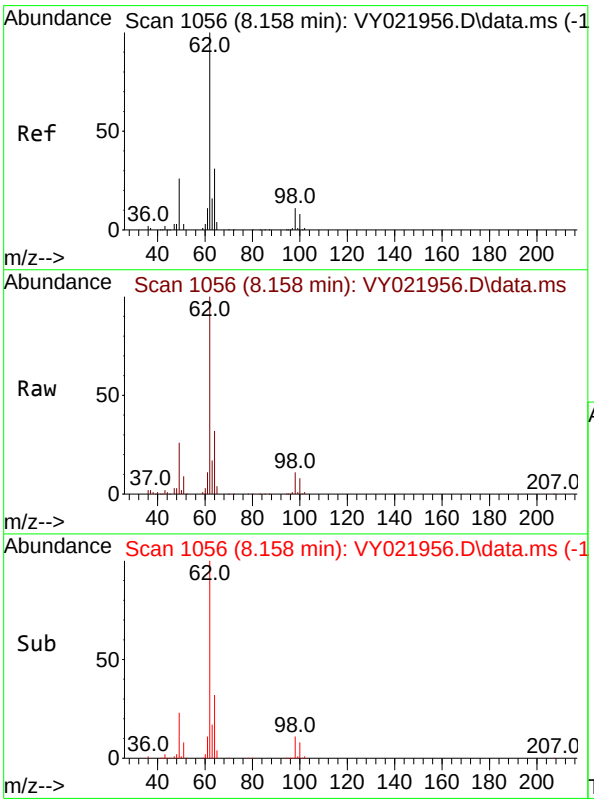
#41
Methacrylonitrile
Concen: 52.696 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 45898

Ion	Ratio	Lower	Upper
41	100		
39	45.8	36.6	55.0
67	90.3	72.2	108.4
52	34.5	27.6	41.4

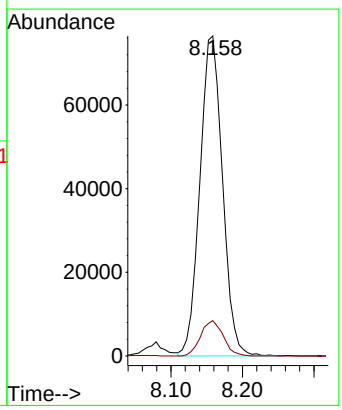


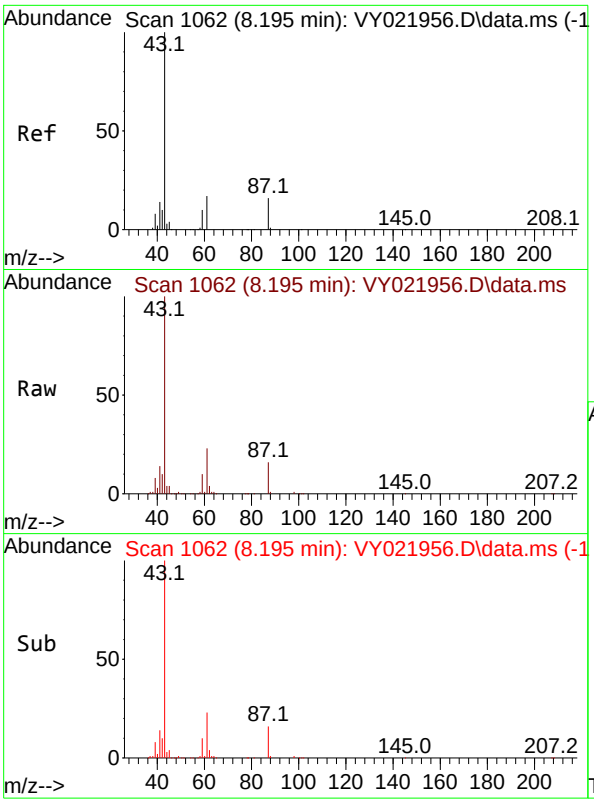


#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 62 Resp: 167612

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0



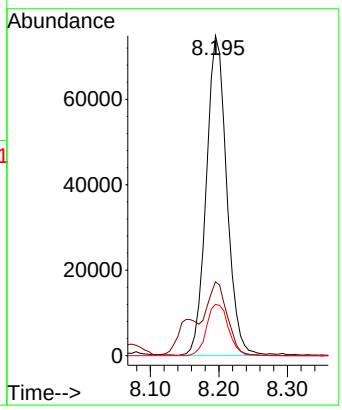


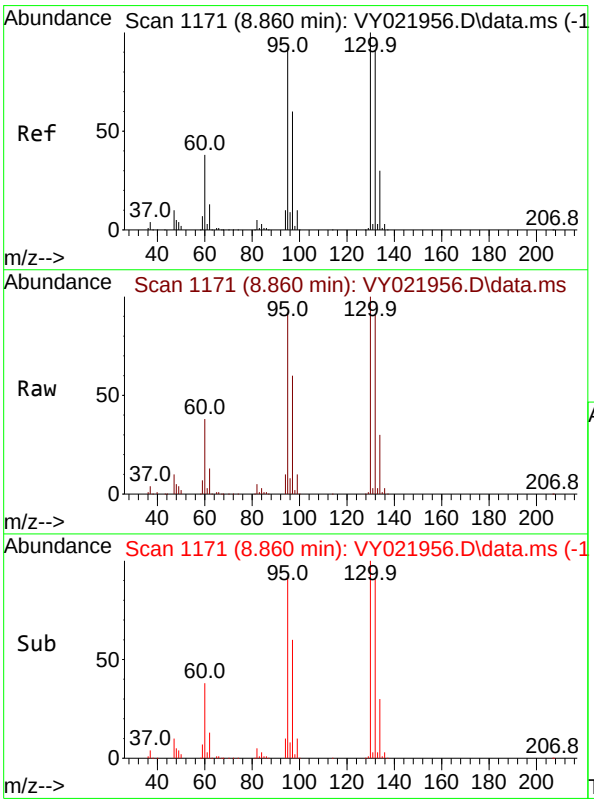
#43
Isopropyl Acetate
Concen: 50.948 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 155835

Ion	Ratio	Lower	Upper
43	100		
61	23.6	18.9	28.3
87	17.1	13.7	20.5

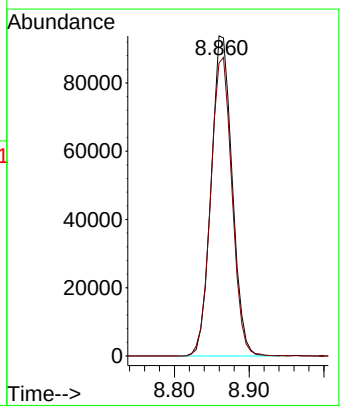


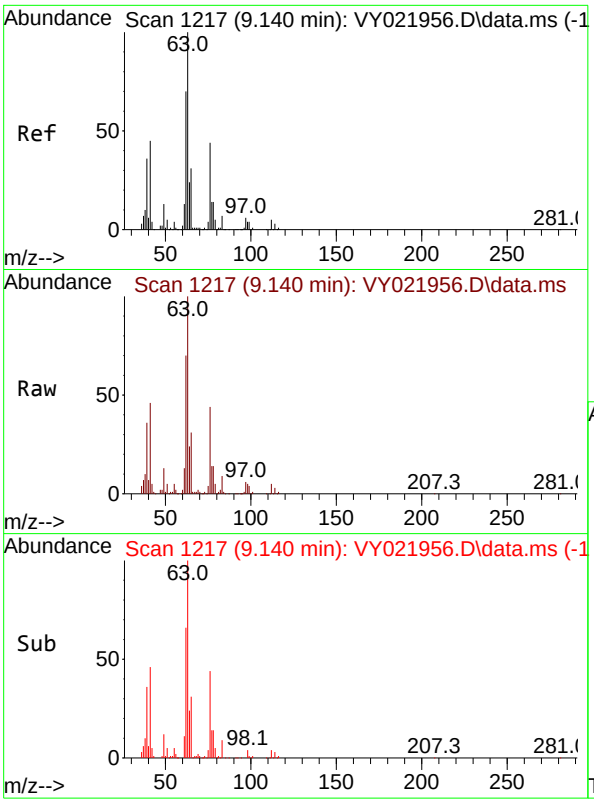


#44
Trichloroethene
Concen: 47.744 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:130 Resp: 183327

Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	183.2



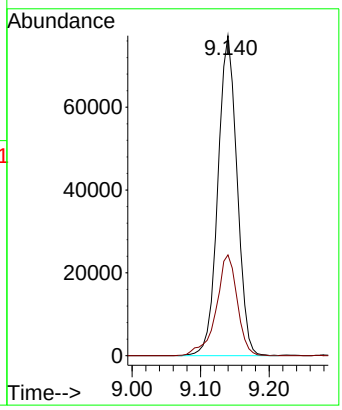


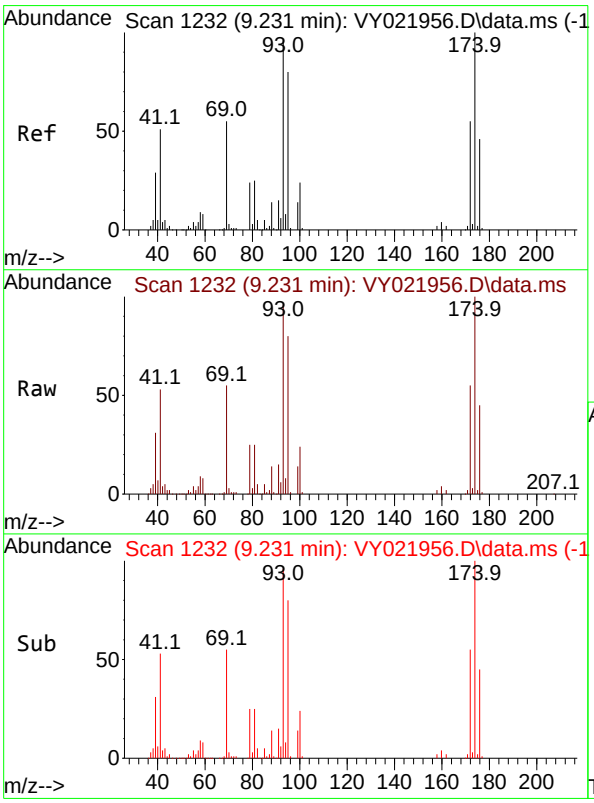
#45
1,2-Dichloropropane
Concen: 48.827 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 149687

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.2	37.8

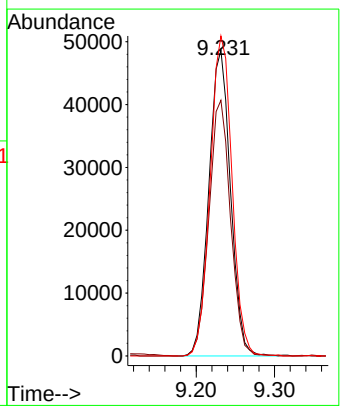


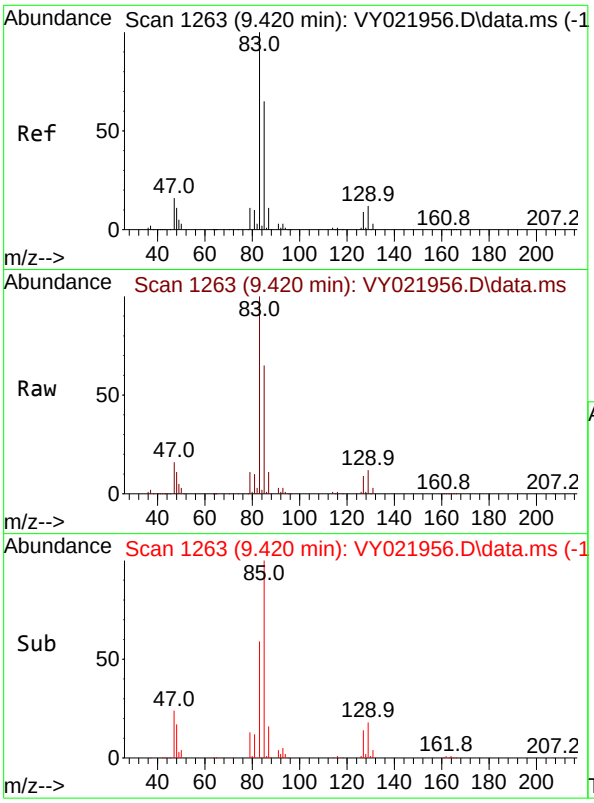


#46
Dibromomethane
Concen: 48.740 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 93 Resp: 93536

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	105.8	84.6	127.0



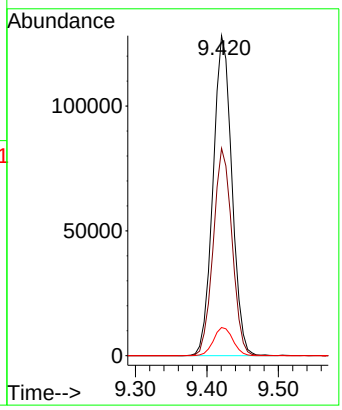


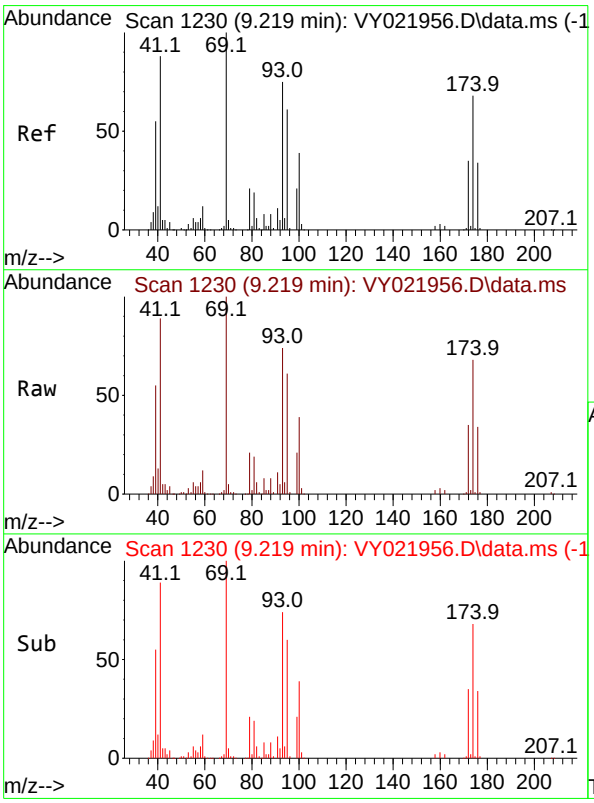
#47
Bromodichloromethane
Concen: 49.010 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 234964

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.8	7.0	10.6

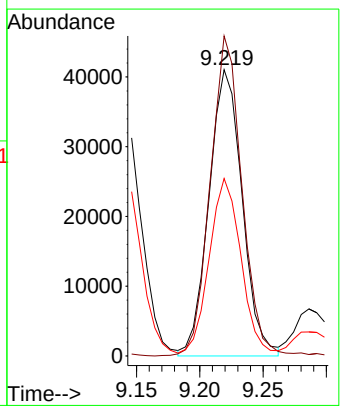


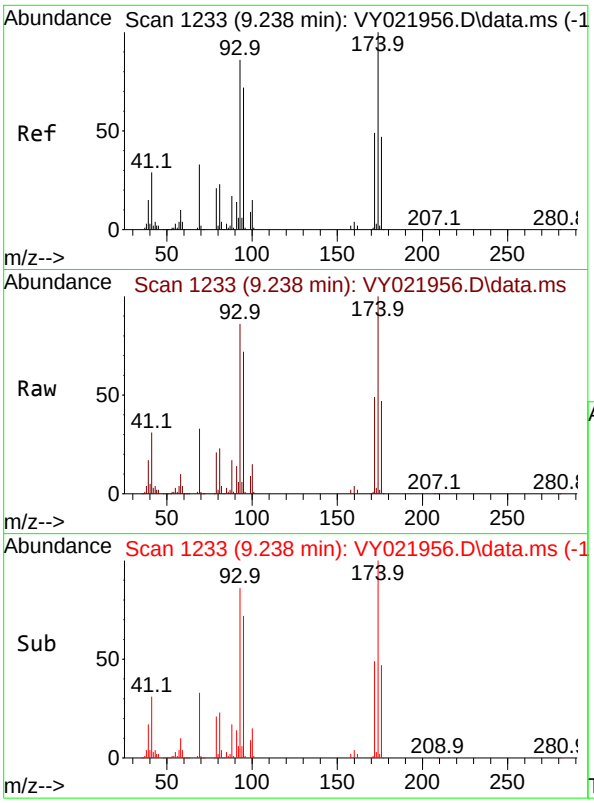


#48
Methyl methacrylate
Concen: 53.082 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 41 Resp: 75057

Ion	Ratio	Lower	Upper
41	100		
69	106.9	85.5	128.3
39	57.8	46.2	69.4



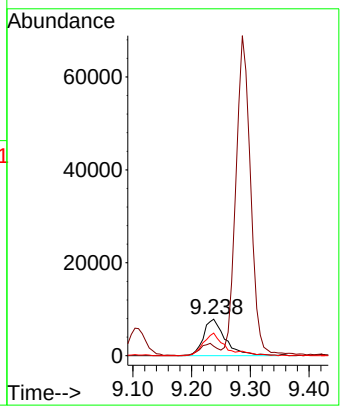


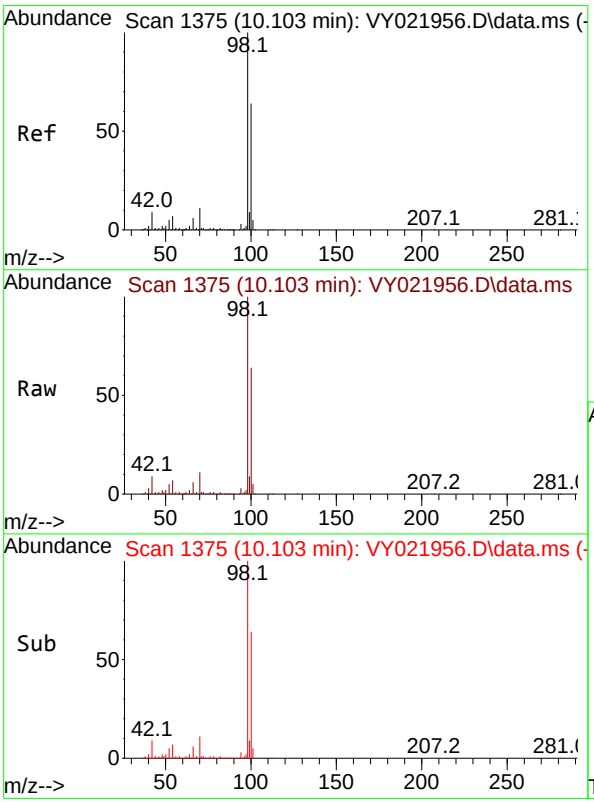
#49
1,4-Dioxane
Concen: 992.601 ug/l
RT: 9.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 20303

Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.3	31.9
58	63.1	50.5	75.7

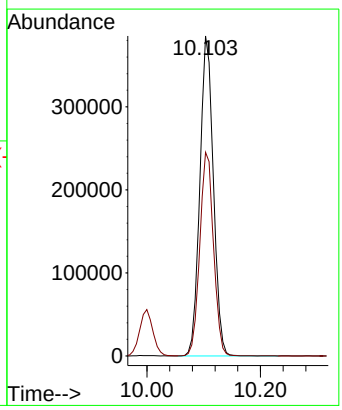


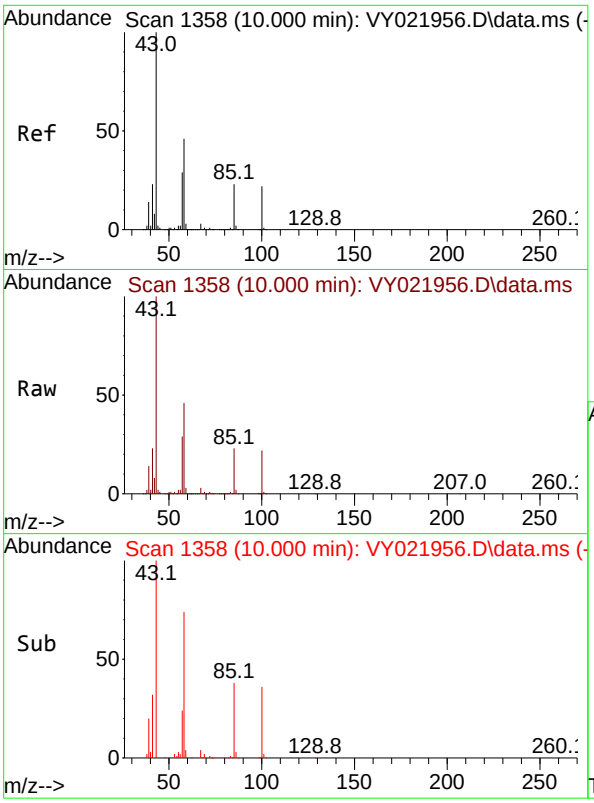


#50
Toluene-d8
Concen: 51.241 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 98 Resp: 637767

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4



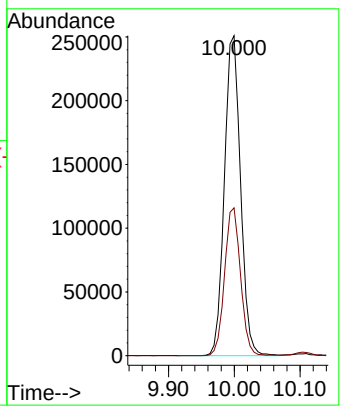


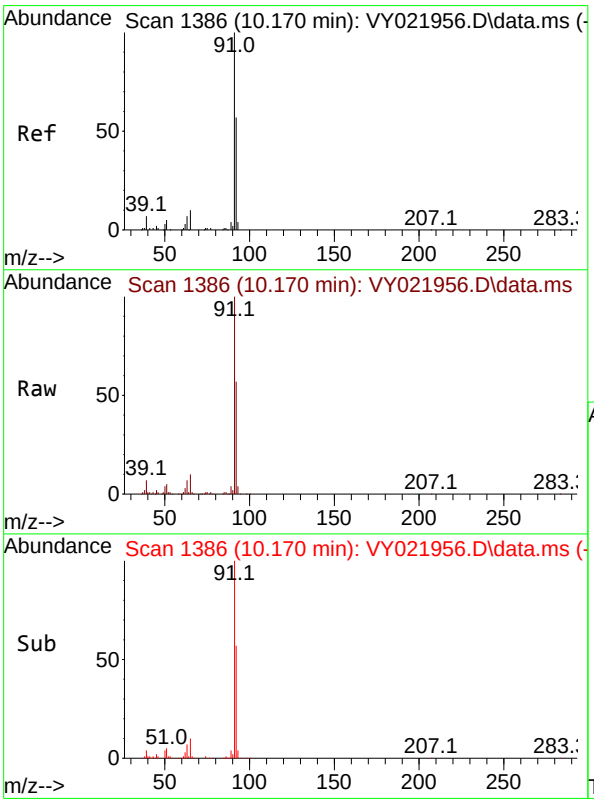
#51
4-Methyl-2-Pentanone
Concen: 267.326 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 428635

Ion	Ratio	Lower	Upper
43	100		
58	45.8	36.6	55.0

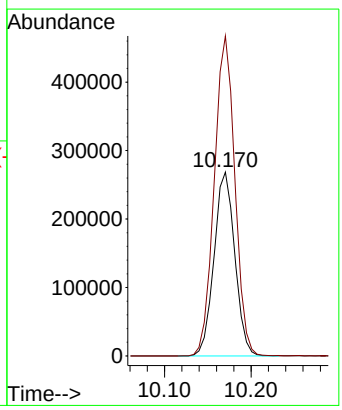


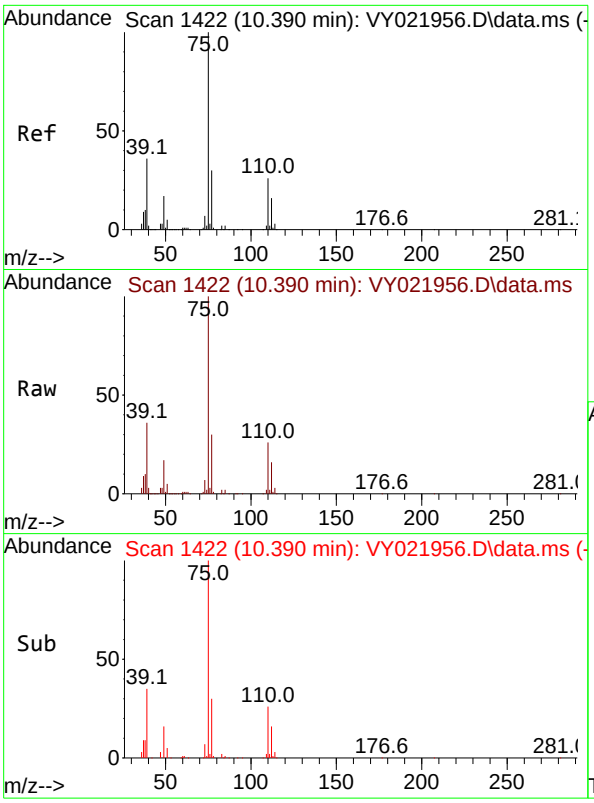


#52
Toluene
Concen: 49.760 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 92 Resp: 446525

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.6	207.8



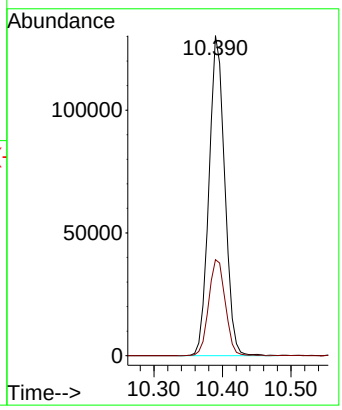


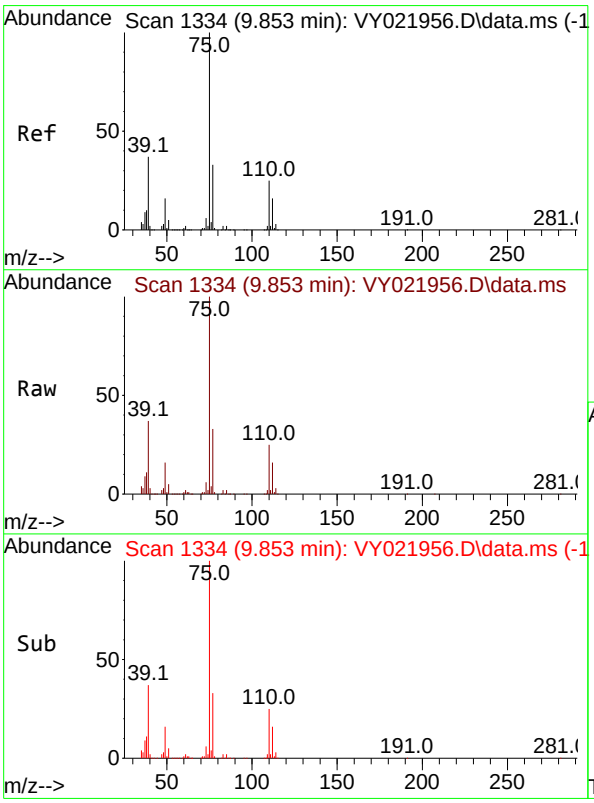
#53
t-1,3-Dichloropropene
Concen: 50.698 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 208479

Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.0	36.0

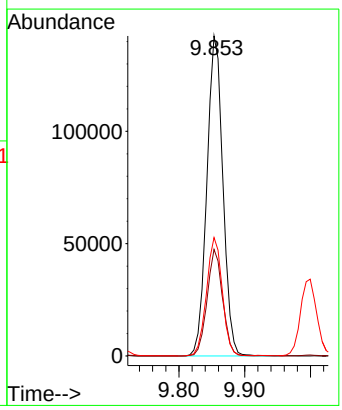


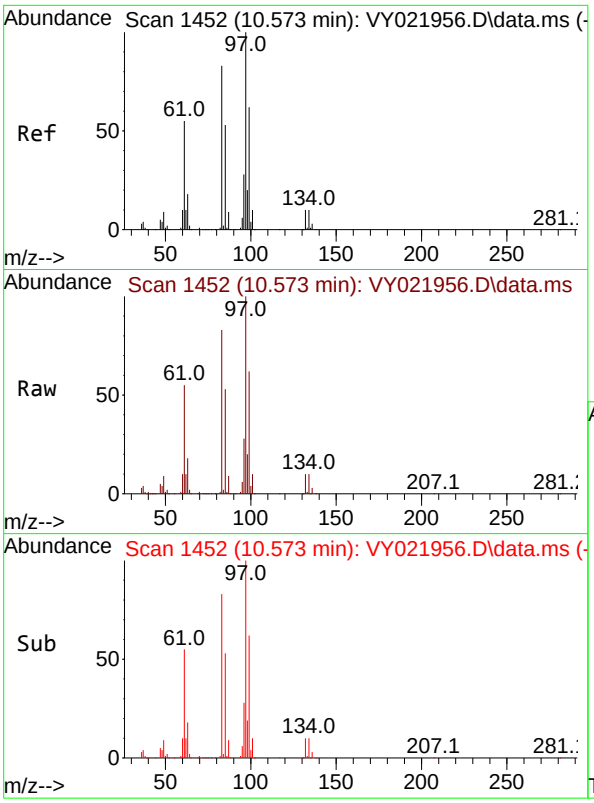


#54
cis-1,3-Dichloropropene
Concen: 49.432 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 241637

Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.6	40.0
39	37.0	29.6	44.4



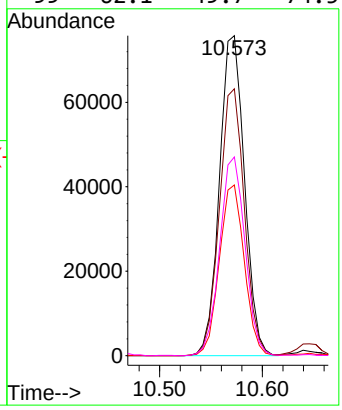


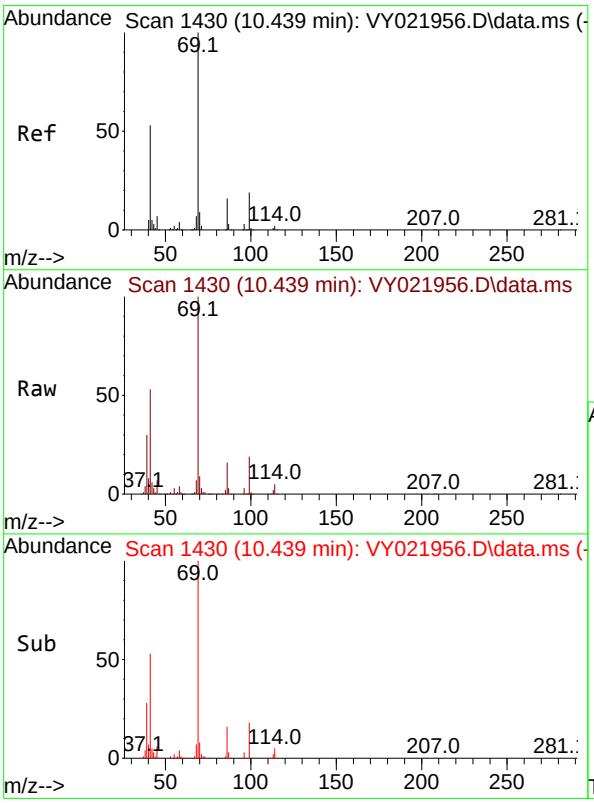
#55
1,1,2-Trichloroethane
Concen: 49.965 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 128082

Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.7	100.1
85	53.3	42.6	64.0
99	62.1	49.7	74.5

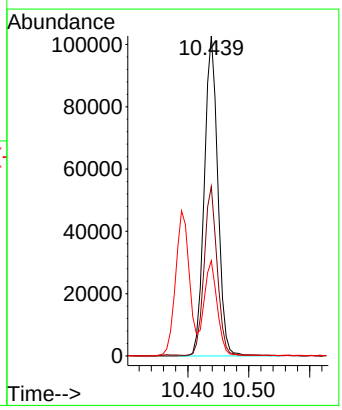


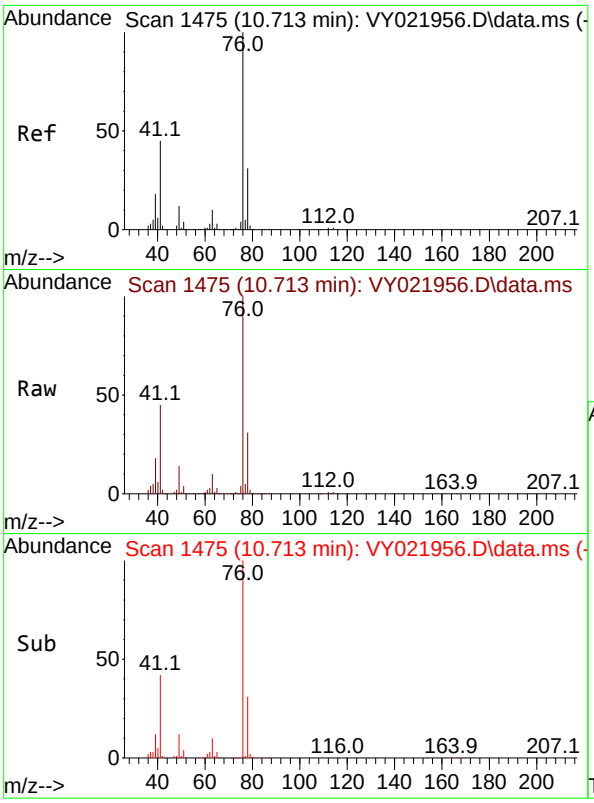


#56
Ethyl methacrylate
Concen: 53.893 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 69 Resp: 157986

Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	29.1	23.3	34.9



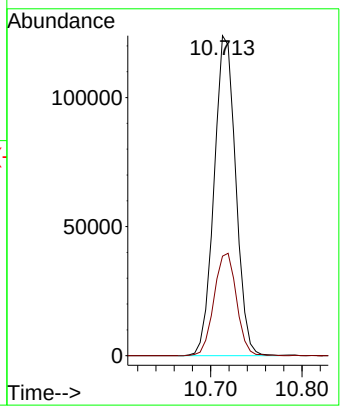


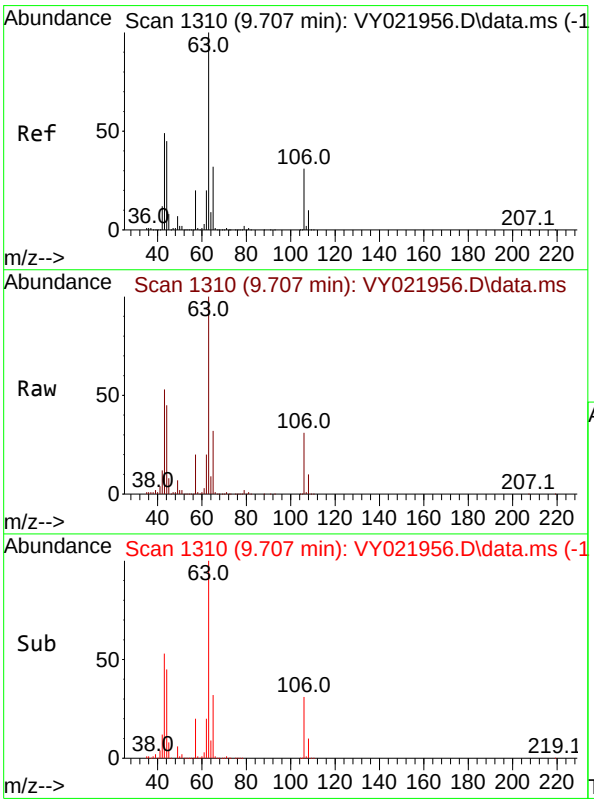
#57
1,3-Dichloropropane
Concen: 49.688 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 204196

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

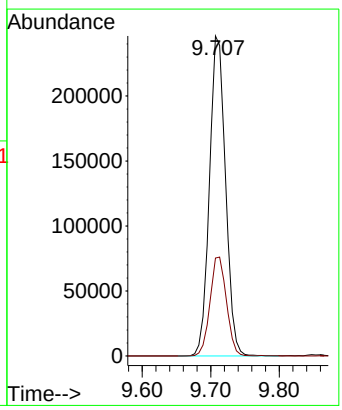


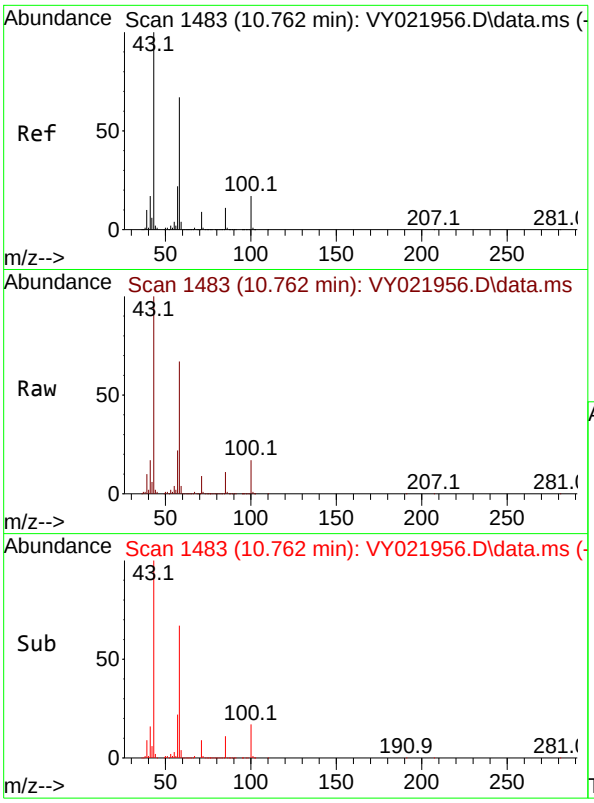


#58
2-Chloroethyl Vinyl ether
Concen: 279.797 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 63 Resp: 401030

Ion	Ratio	Lower	Upper
63	100		
106	31.6	25.3	37.9



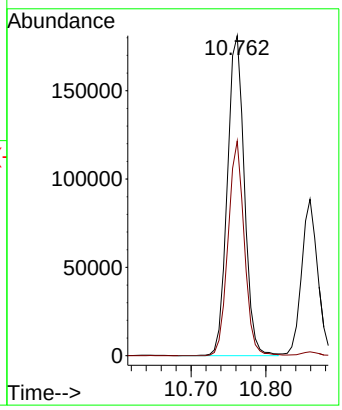


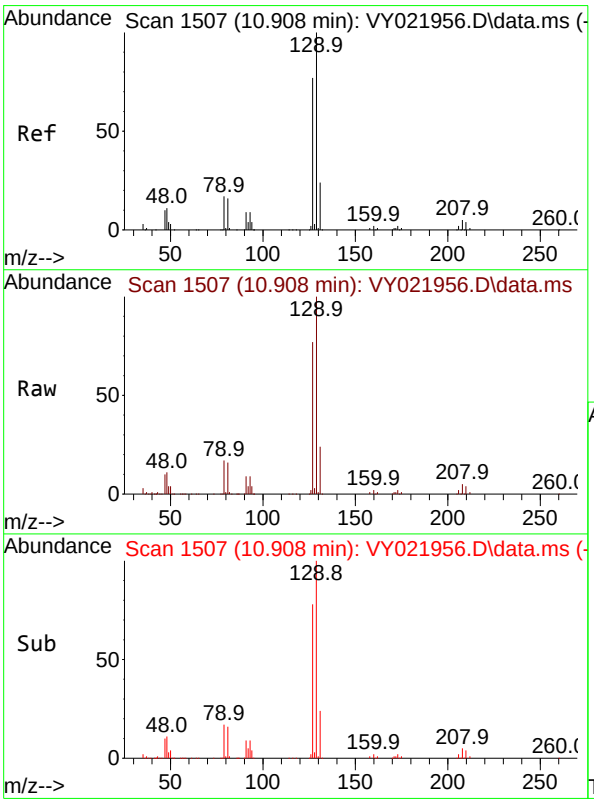
#59
2-Hexanone
Concen: 271.141 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 286755

Ion	Ratio	Lower	Upper
43	100		
58	64.0	32.0	96.0

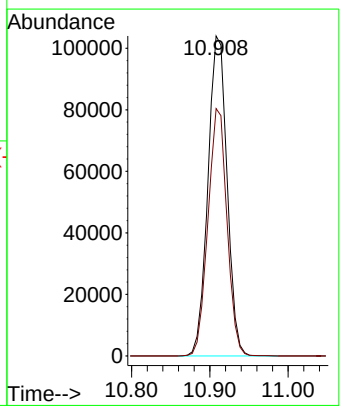


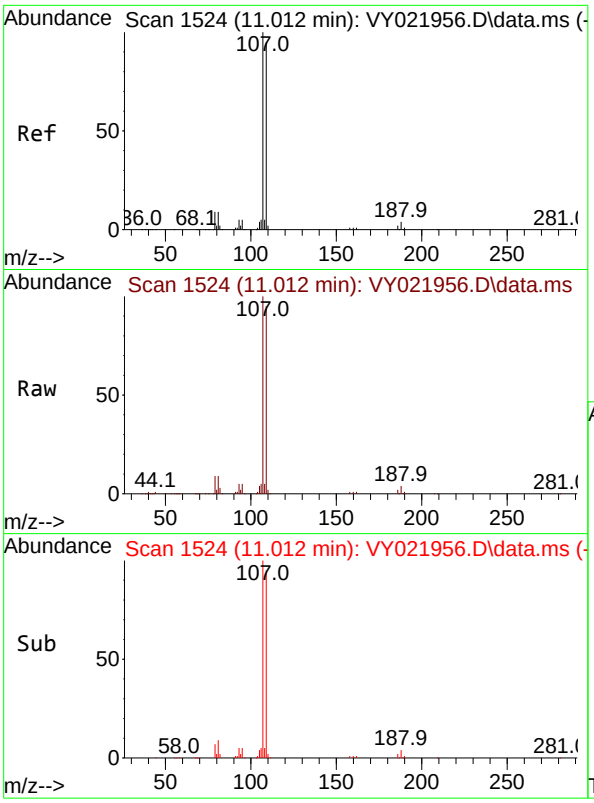


#60
Dibromochloromethane
Concen: 49.624 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:129 Resp: 176120

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3



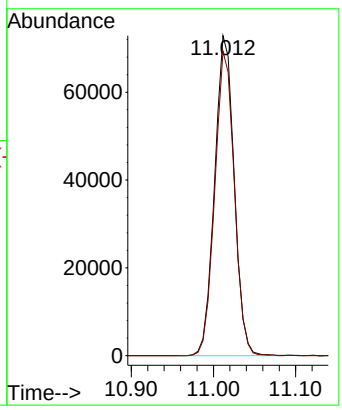


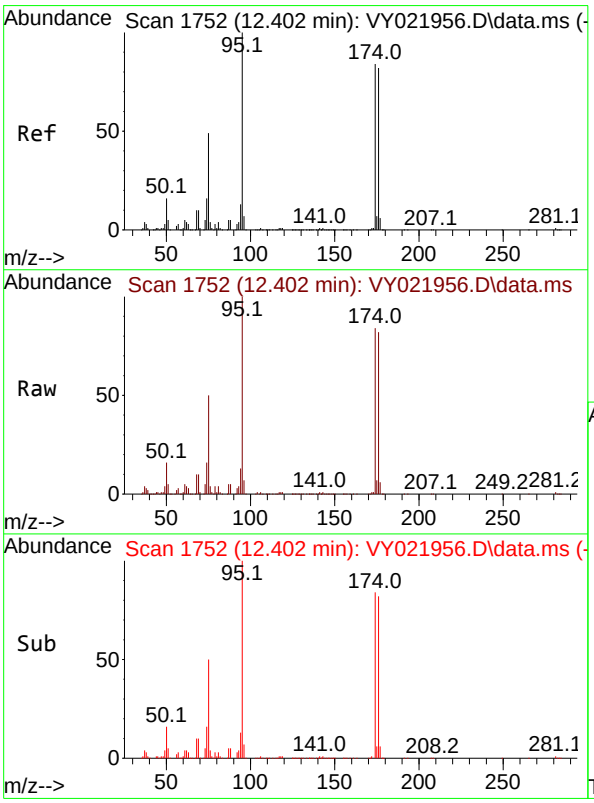
#61
1,2-Dibromoethane
Concen: 49.835 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 120604

Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

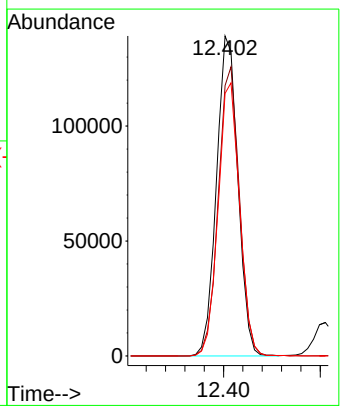


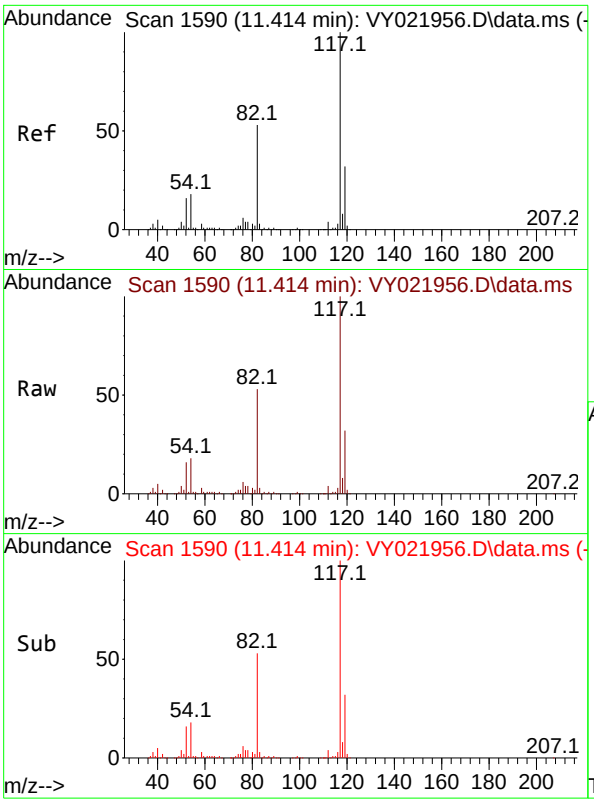


#62
4-Bromofluorobenzene
Concen: 50.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 95 Resp: 212936

Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	179.0
176	85.9	0.0	171.8



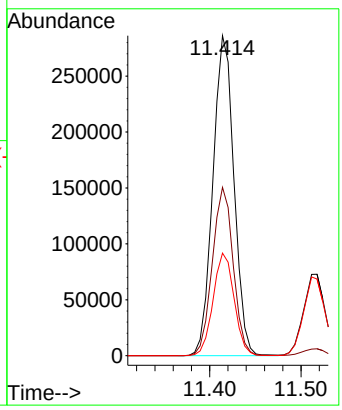


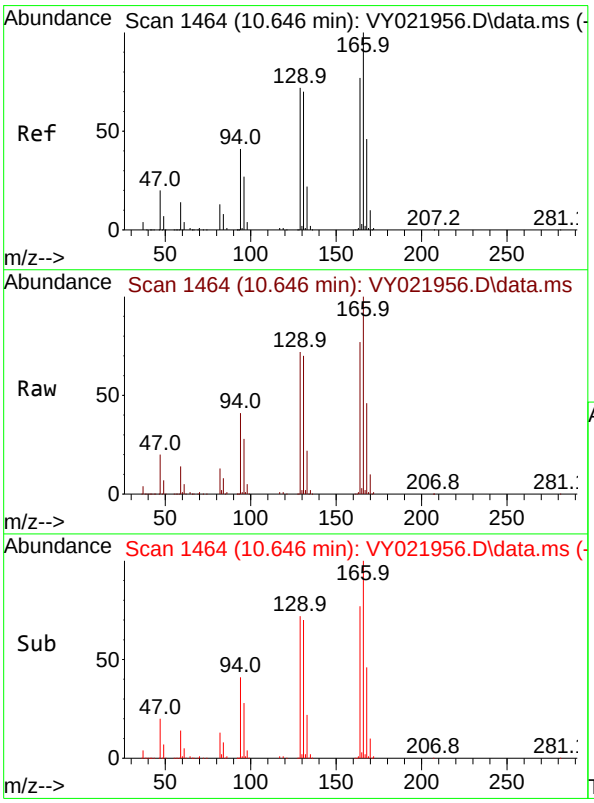
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 458508

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	32.1	25.7	38.5

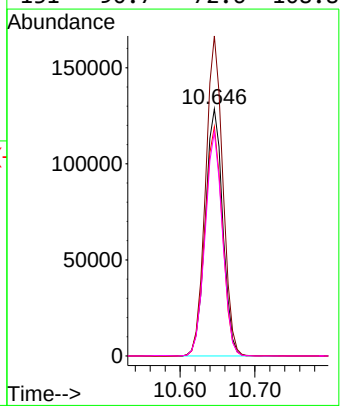


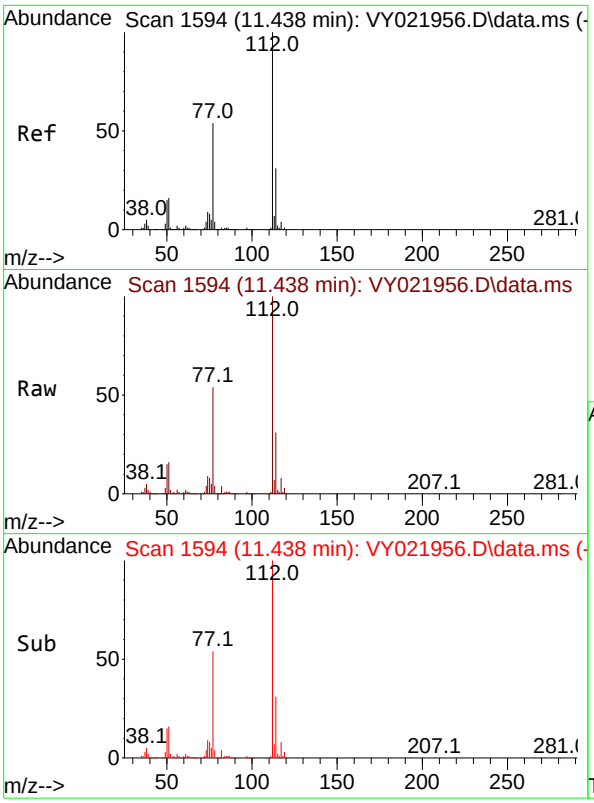


#64
Tetrachloroethene
Concen: 48.263 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:164 Resp: 208756

Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.6	155.4
129	92.8	74.2	111.4
131	90.7	72.6	108.8



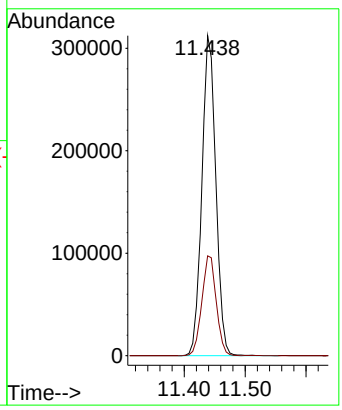


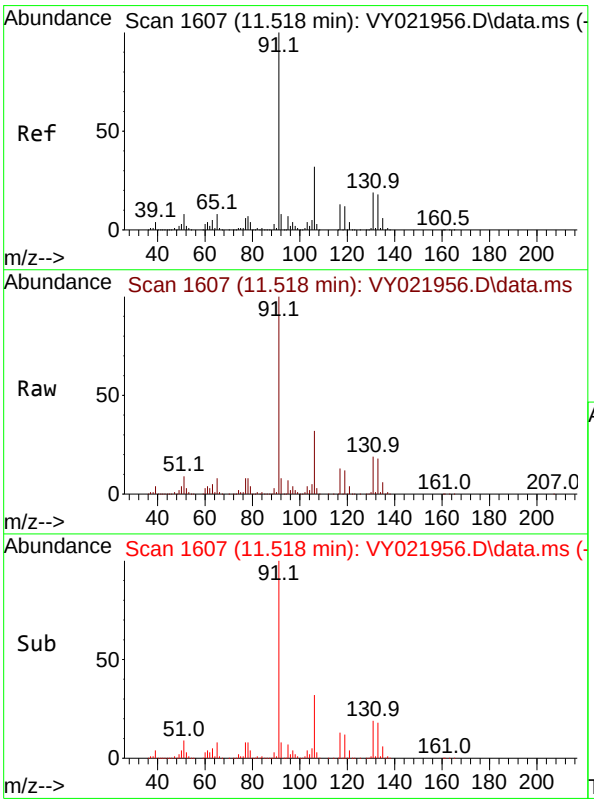
#65
Chlorobenzene
Concen: 48.437 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 496647

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.4

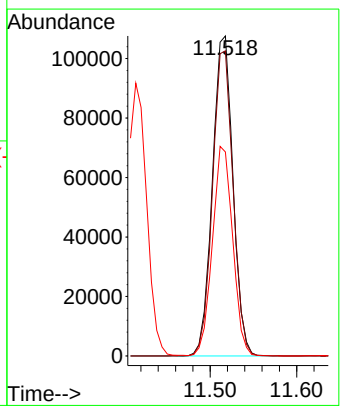


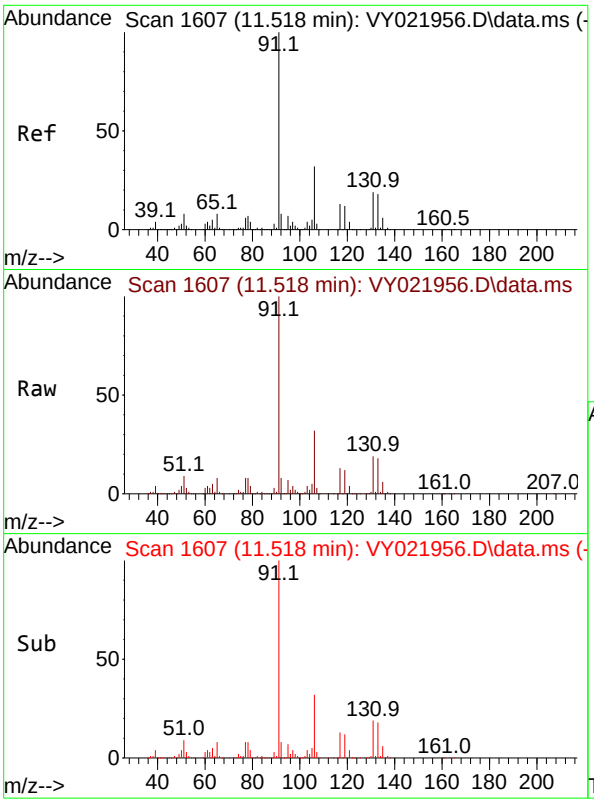


#66
1,1,1,2-Tetrachloroethane
Concen: 49.075 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:131 Resp: 177151

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	64.7	32.4	97.0



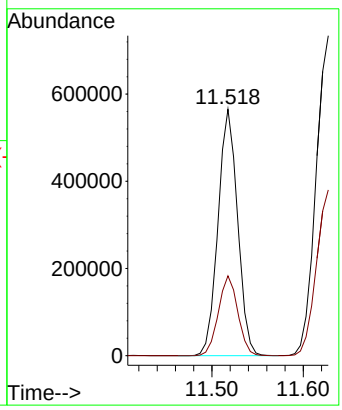


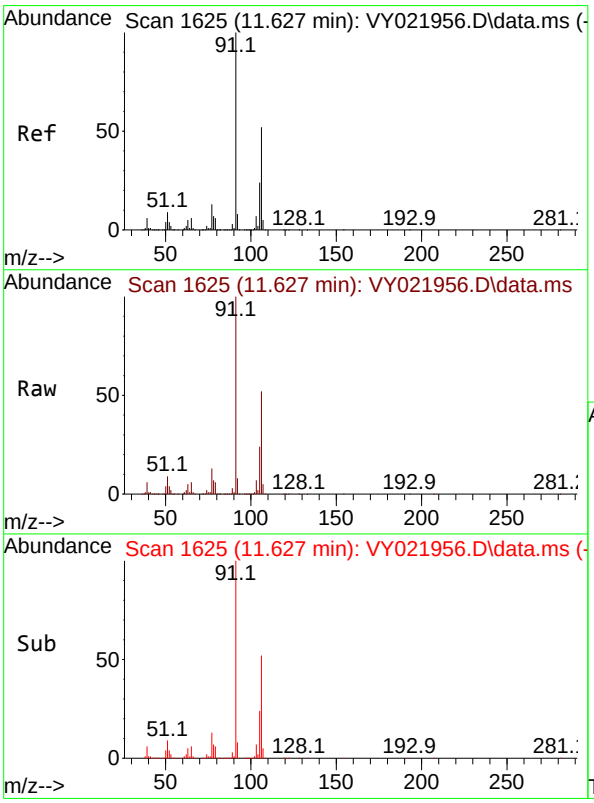
#67
Ethyl Benzene
Concen: 50.163 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 841384

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.9	38.9

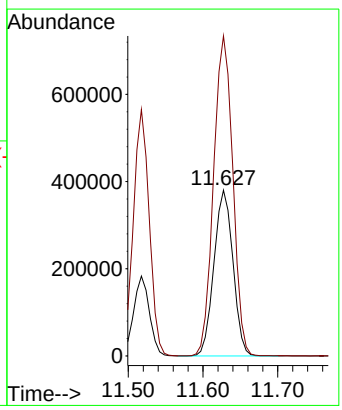


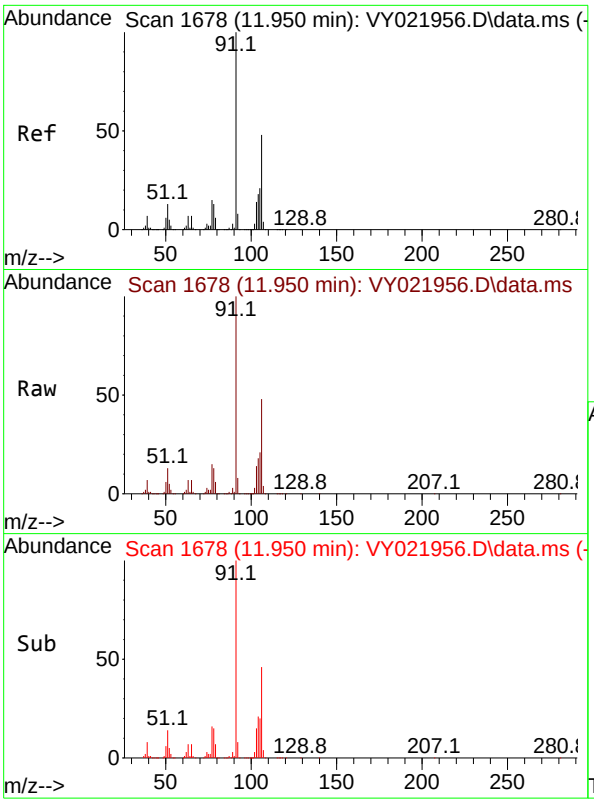


#68
m/p-Xylenes
Concen: 100.858 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:106 Resp: 673159

Ion	Ratio	Lower	Upper
106	100		
91	195.2	156.2	234.2



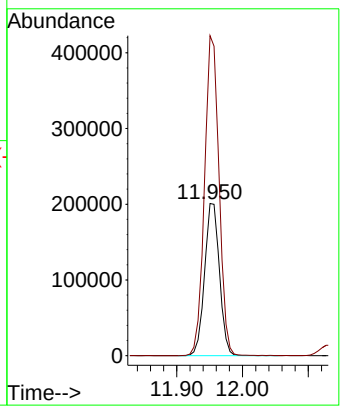


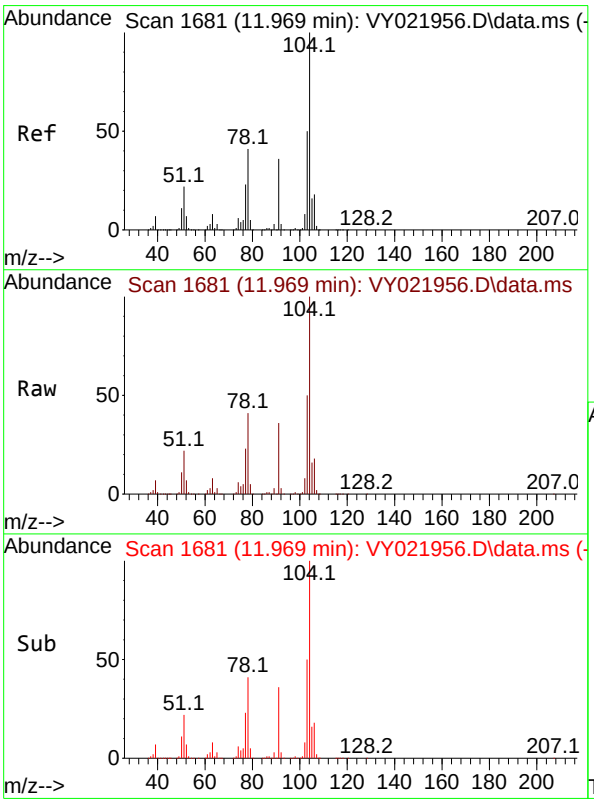
#69
o-Xylene
Concen: 51.325 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 315731

Ion	Ratio	Lower	Upper
106	100		
91	205.9	103.0	308.9

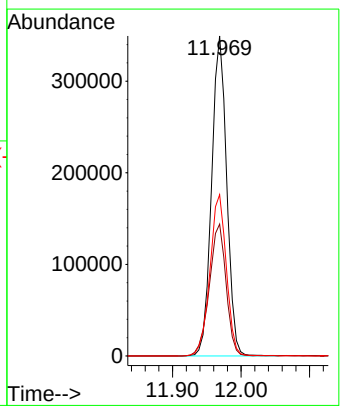


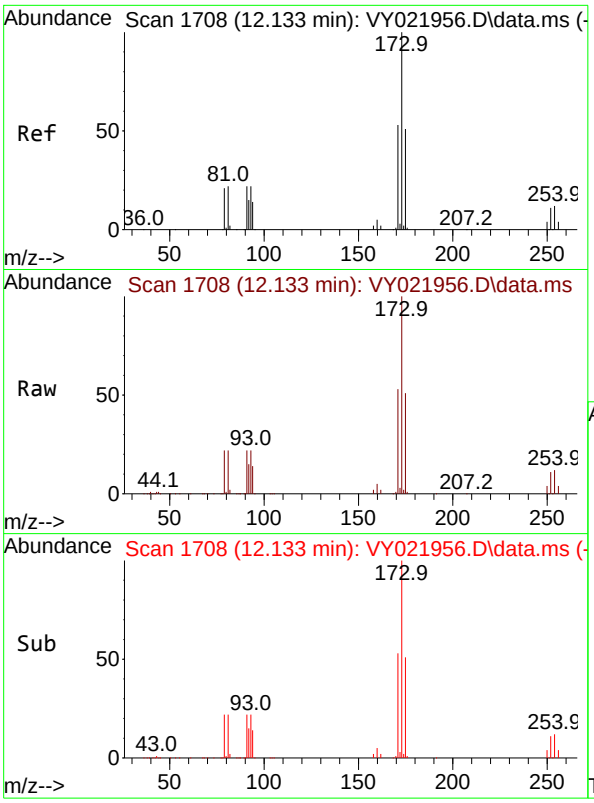


#70
Styrene
Concen: 51.890 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:104 Resp: 535957

Ion	Ratio	Lower	Upper
104	100		
78	45.7	36.6	54.8
103	54.8	43.8	65.8



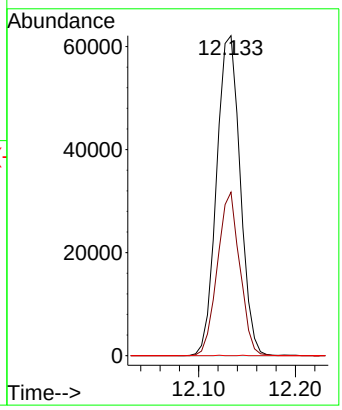


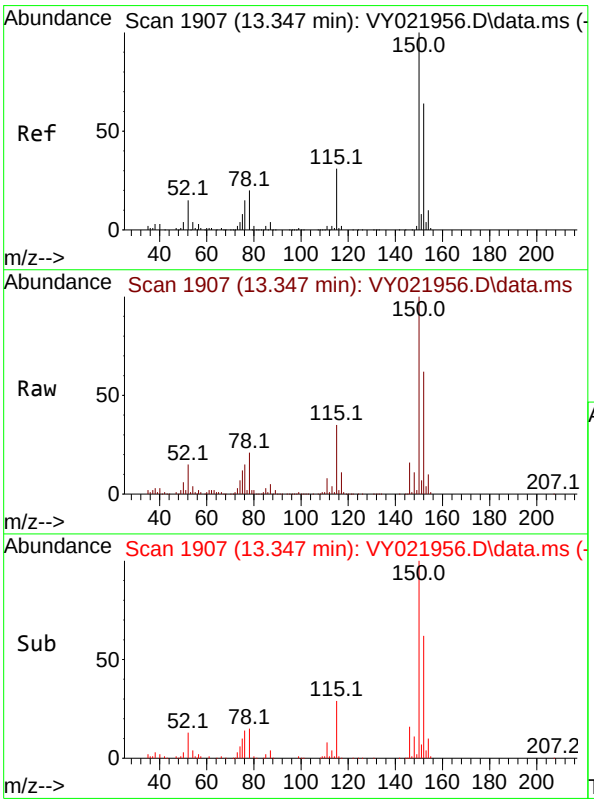
#71
Bromoform
Concen: 50.110 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 105166

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0#

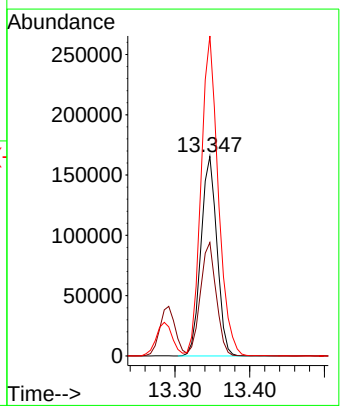


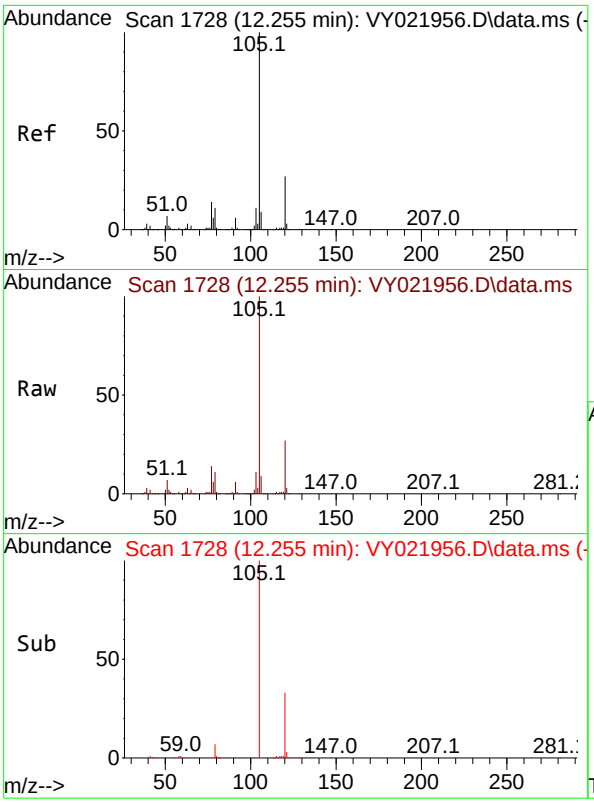


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:152 Resp: 245926

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	172.8	0.0	345.6



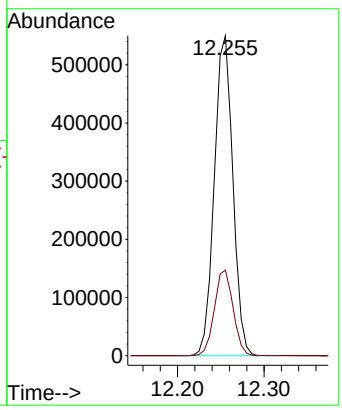


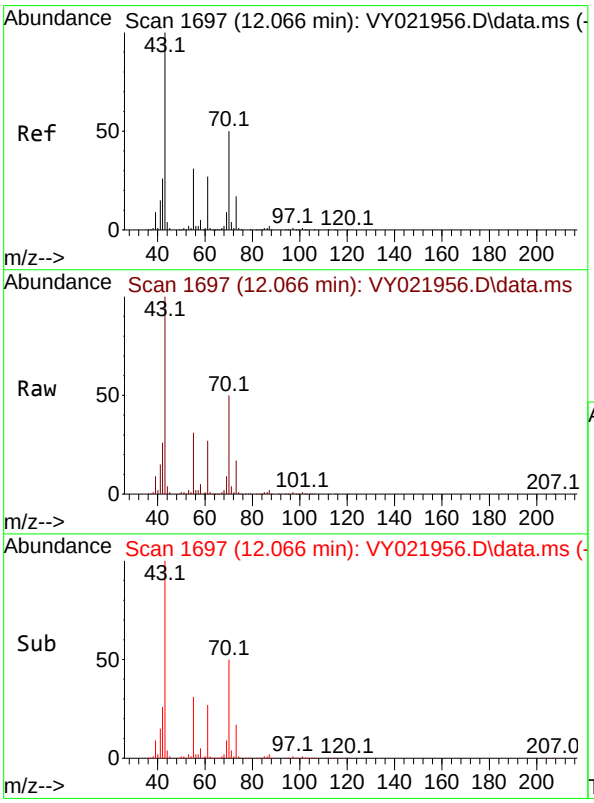
#73
Isopropylbenzene
Concen: 49.770 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 817740

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5

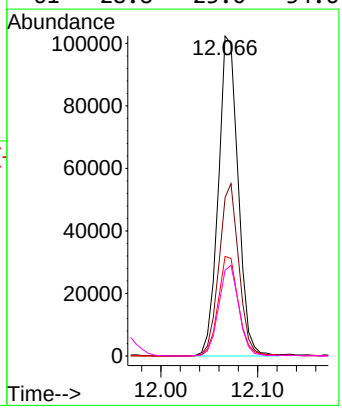


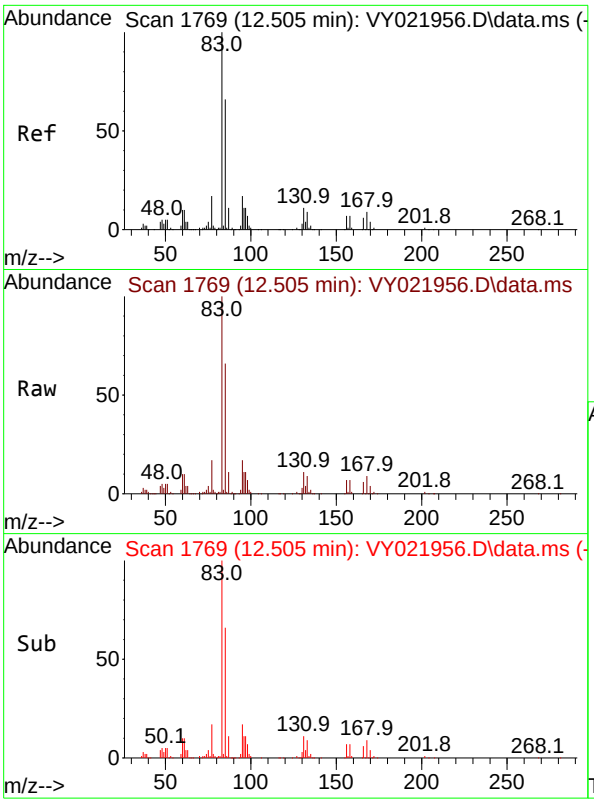


#74
N-amyl acetate
Concen: 51.512 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 43 Resp: 145415

Ion	Ratio	Lower	Upper
43	100		
70	54.0	43.2	64.8
55	32.1	25.7	38.5
61	28.8	23.0	34.6



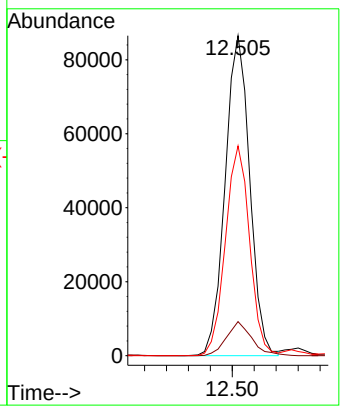


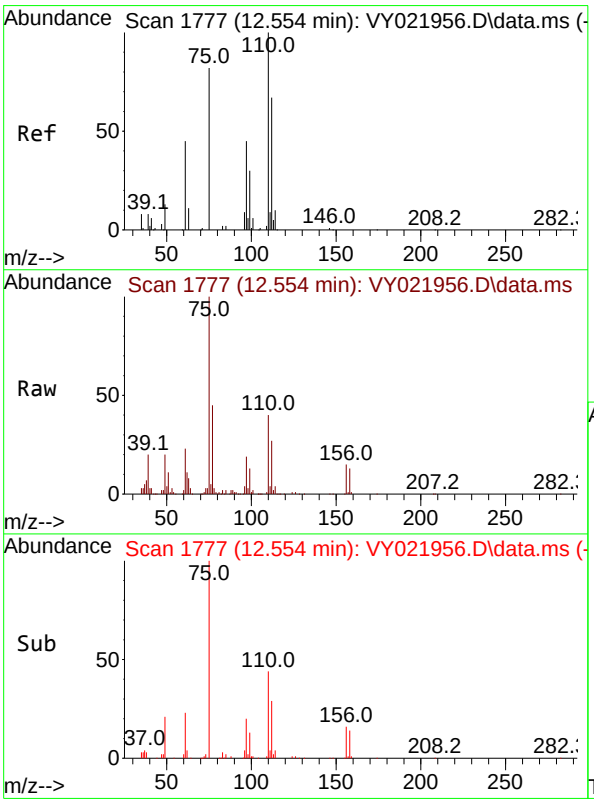
#75
1,1,2,2-Tetrachloroethane
Concen: 48.682 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 134856

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.5	32.3	96.8

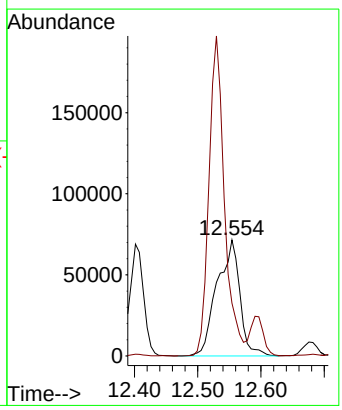


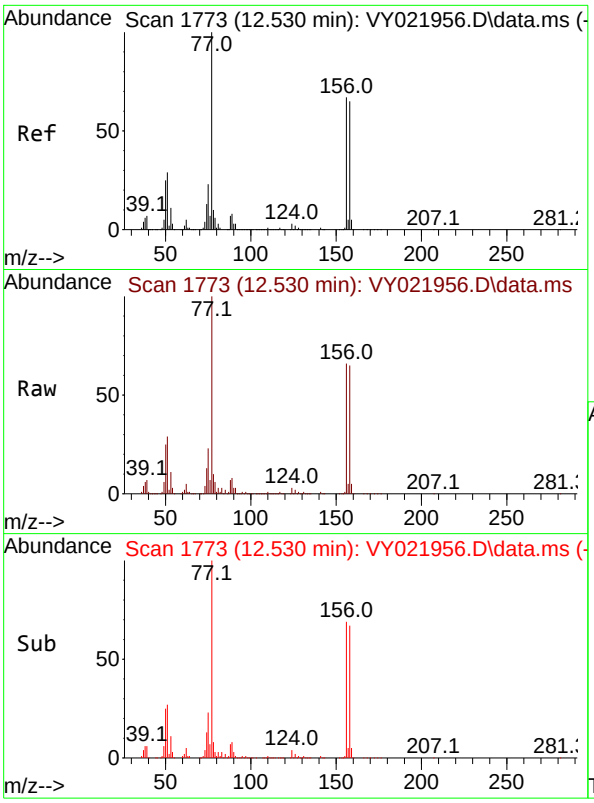


#76
1,2,3-Trichloropropane
Concen: 82.900 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 179642

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



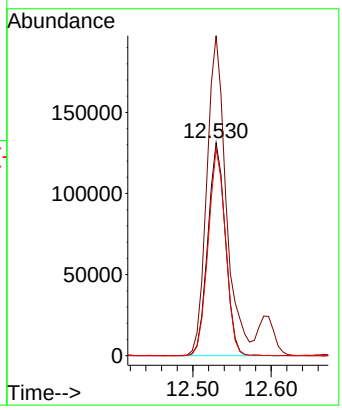


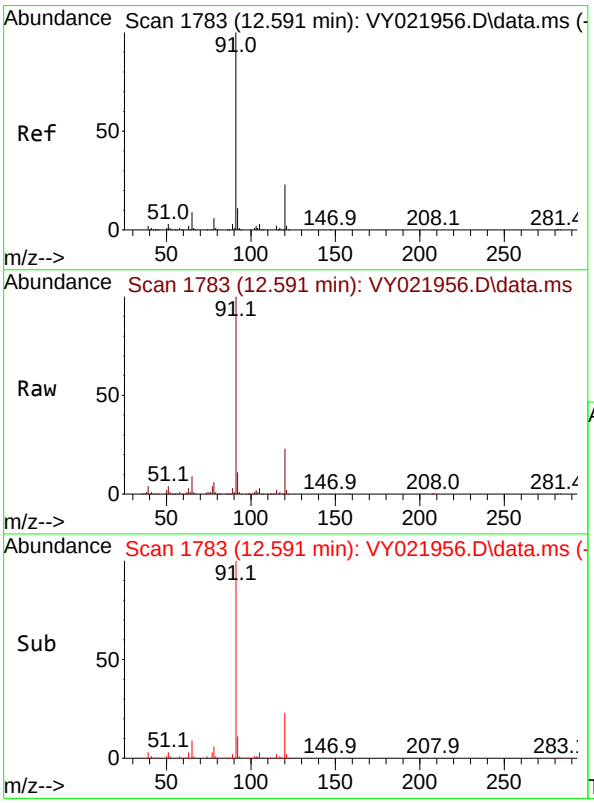
#77
Bromobenzene
Concen: 49.021 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 203522

Ion	Ratio	Lower	Upper
156	100		
77	165.4	82.7	248.1
158	96.3	48.1	144.4

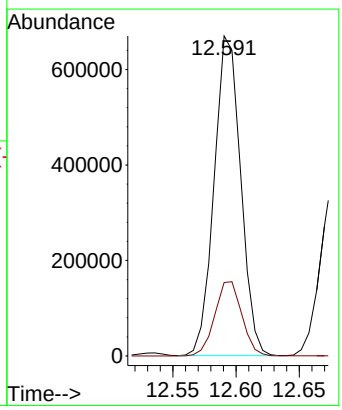


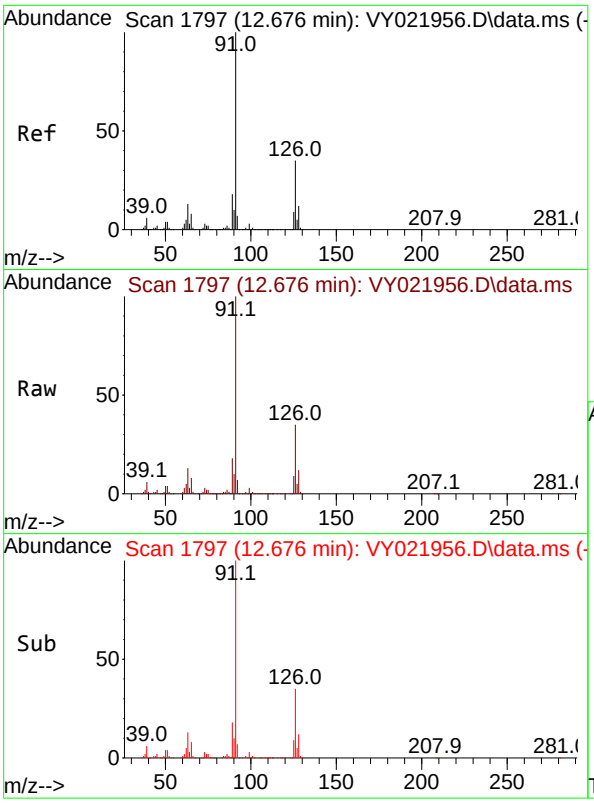


#78
n-propylbenzene
Concen: 49.981 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 977958

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5



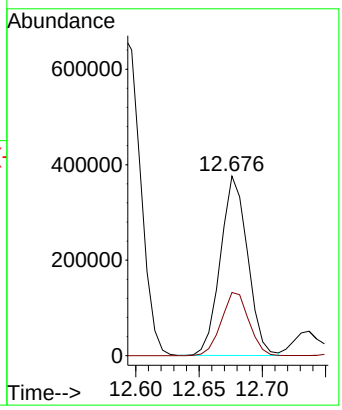


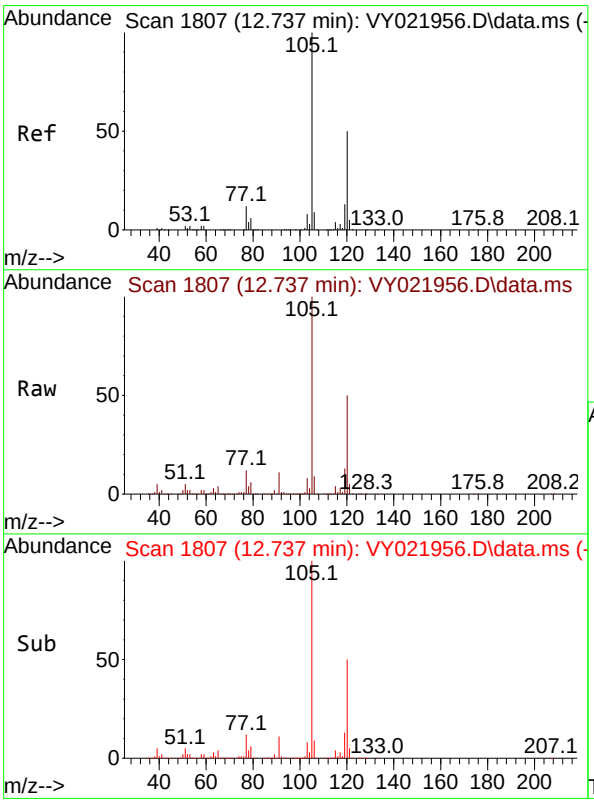
#79
2-Chlorotoluene
Concen: 49.283 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 560805

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8

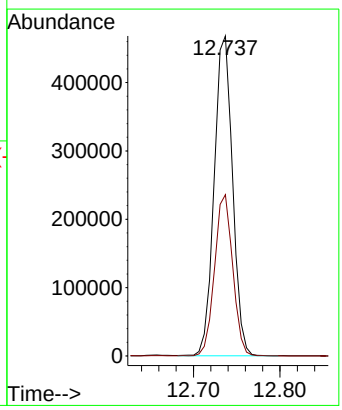


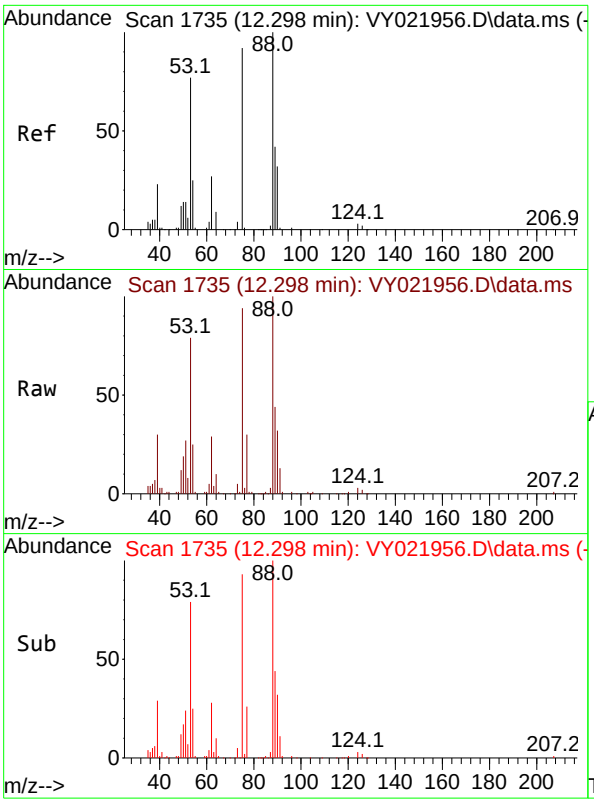


#80
1,3,5-Trimethylbenzene
Concen: 50.863 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 688578

Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.0	75.0



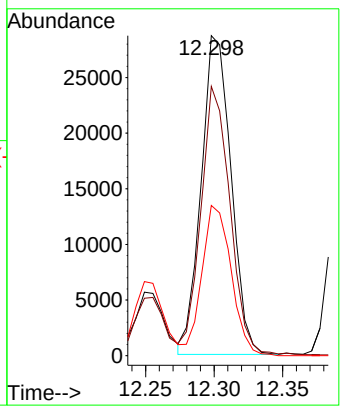


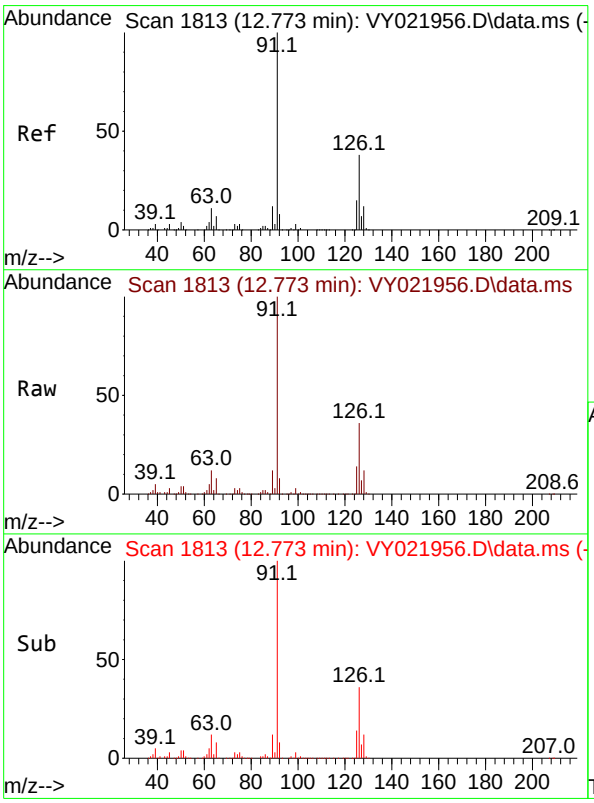
#81
trans-1,4-Dichloro-2-butene
Concen: 49.698 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 43472

Ion	Ratio	Lower	Upper
75	100		
53	82.5	66.0	99.0
89	46.5	37.2	55.8

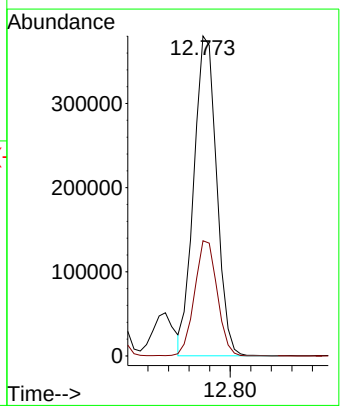


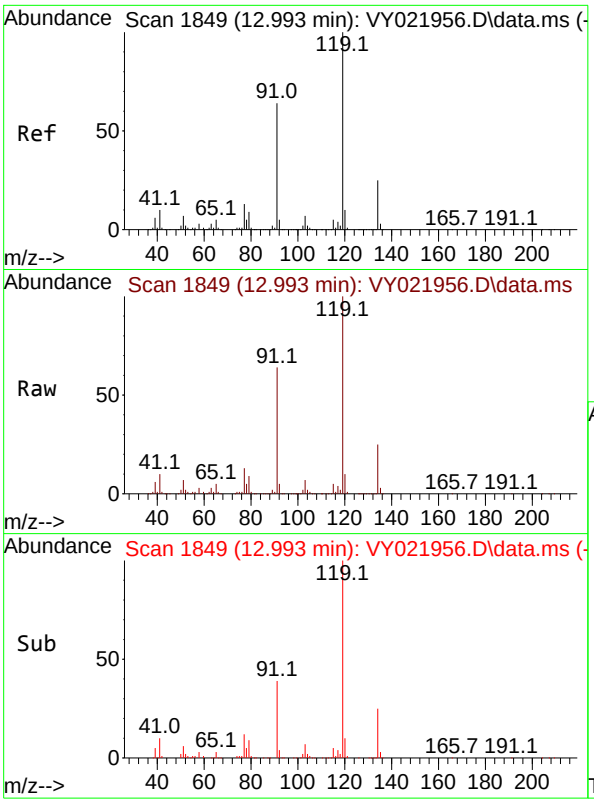


#82
4-Chlorotoluene
Concen: 49.478 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 91 Resp: 585277

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8



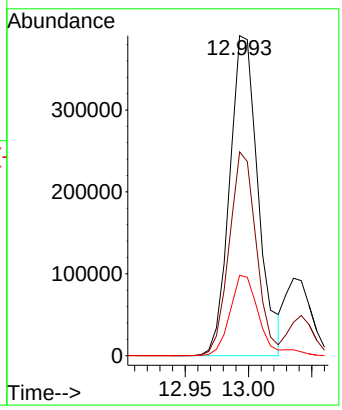


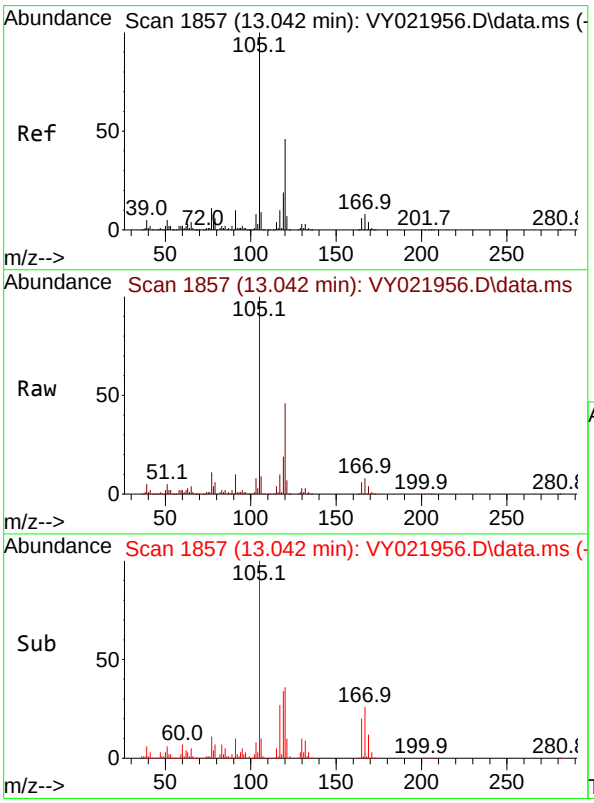
#83
tert-Butylbenzene
Concen: 50.513 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 613293

Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.3	90.9
134	25.8	12.9	38.7

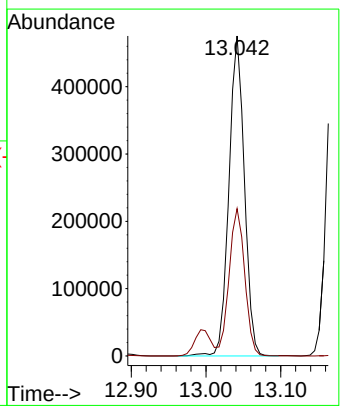


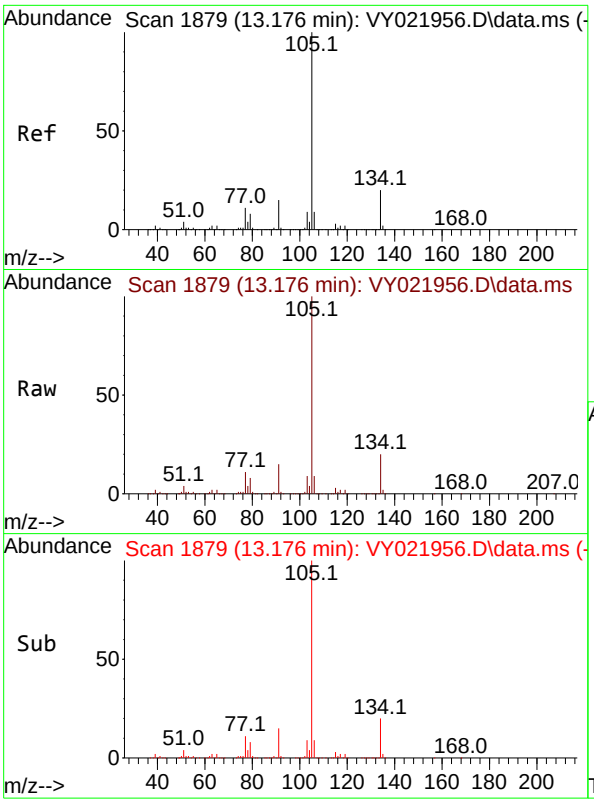


#84
1,2,4-Trimethylbenzene
Concen: 50.560 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:105 Resp: 684634

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0



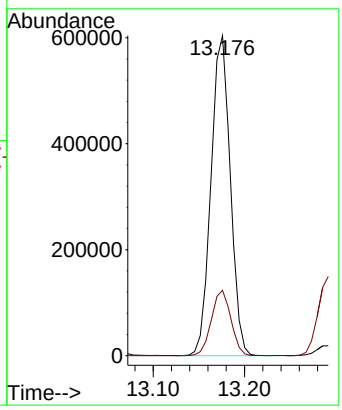


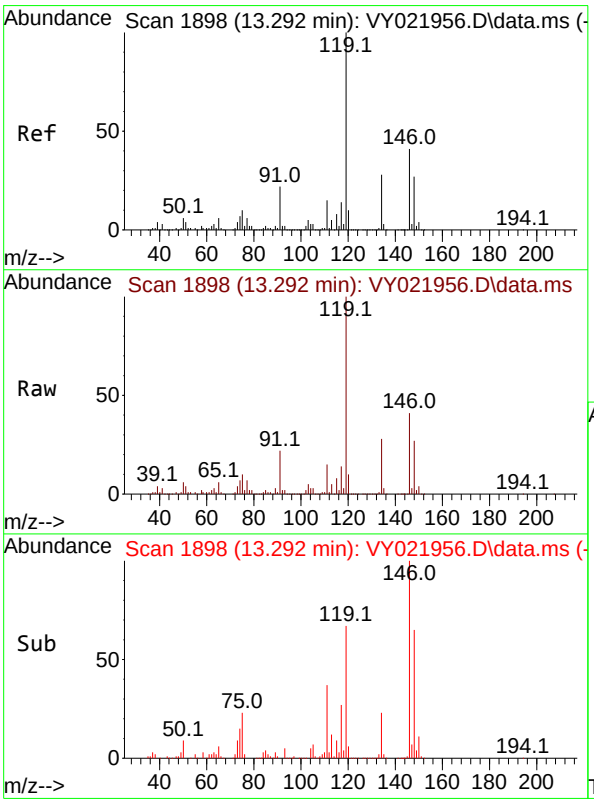
#85
sec-Butylbenzene
Concen: 49.857 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 885790

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

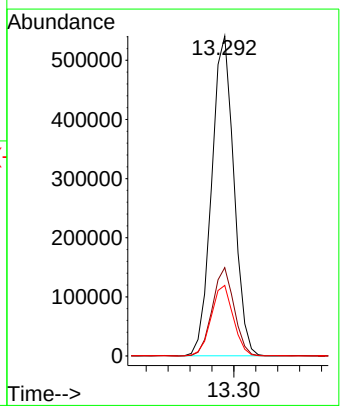


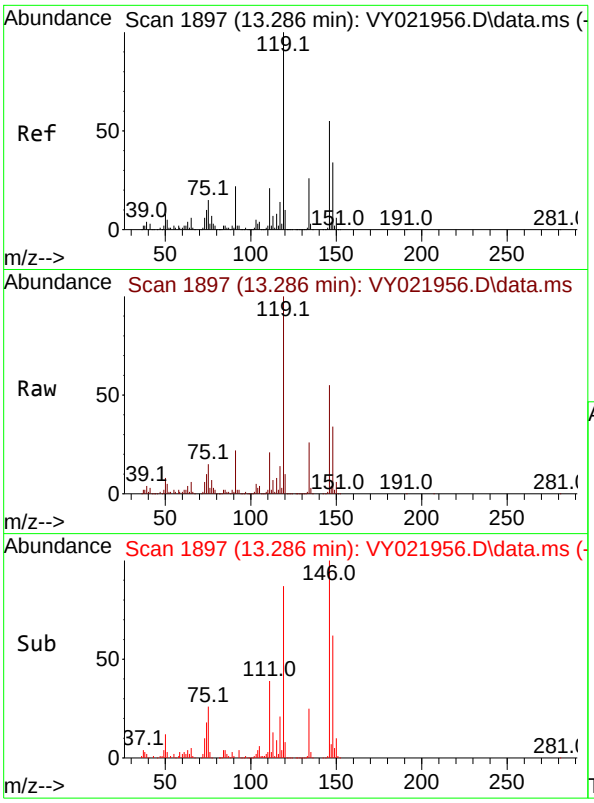


#86
p-Isopropyltoluene
Concen: 50.431 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:119 Resp: 760829

Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	22.0	11.0	33.0



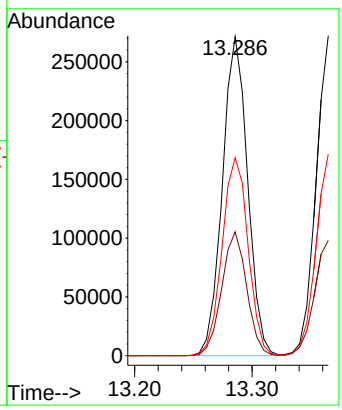


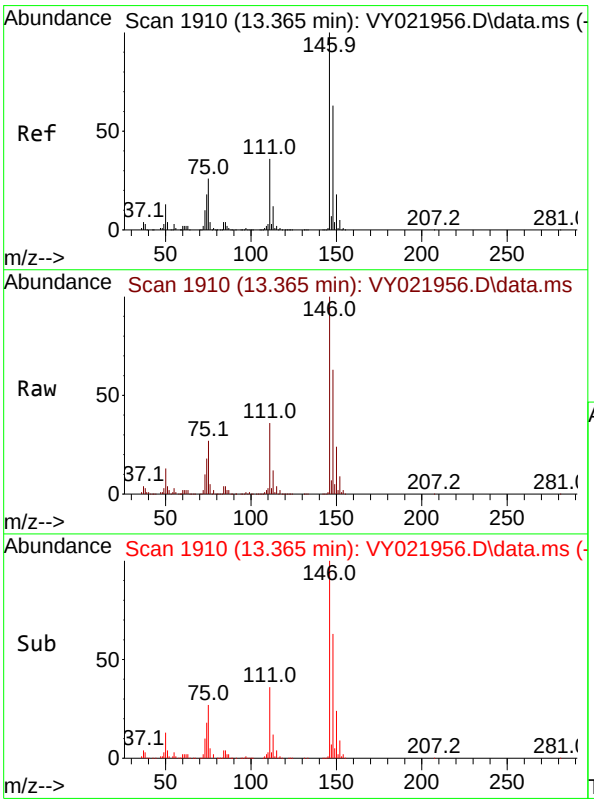
#87
1,3-Dichlorobenzene
Concen: 48.048 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 405153

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	64.1	32.0	96.2

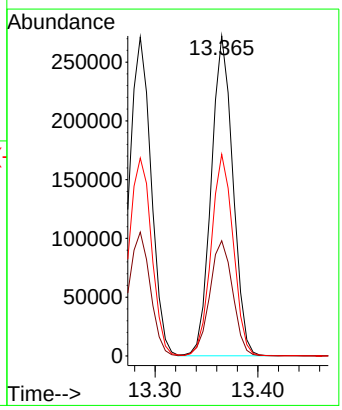


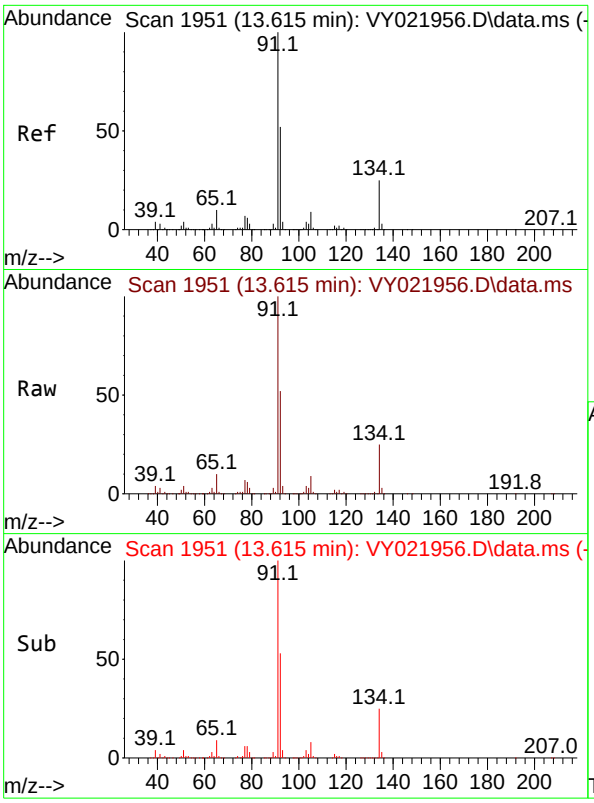


#88
1,4-Dichlorobenzene
Concen: 47.697 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:146 Resp: 398336

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.0	32.0	96.0



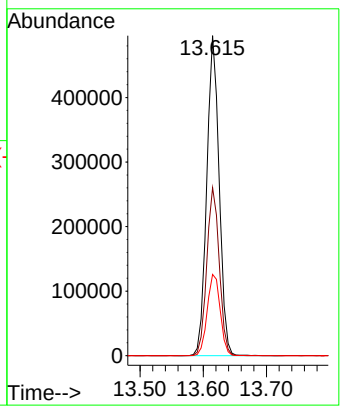


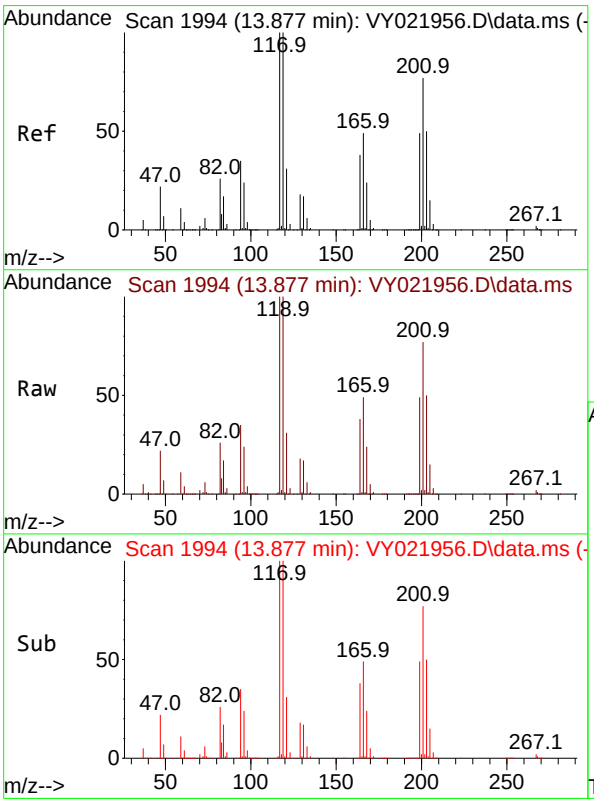
#89
n-Butylbenzene
Concen: 50.008 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 674346

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	26.7	13.4	40.1

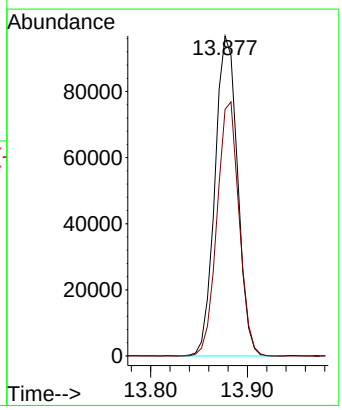


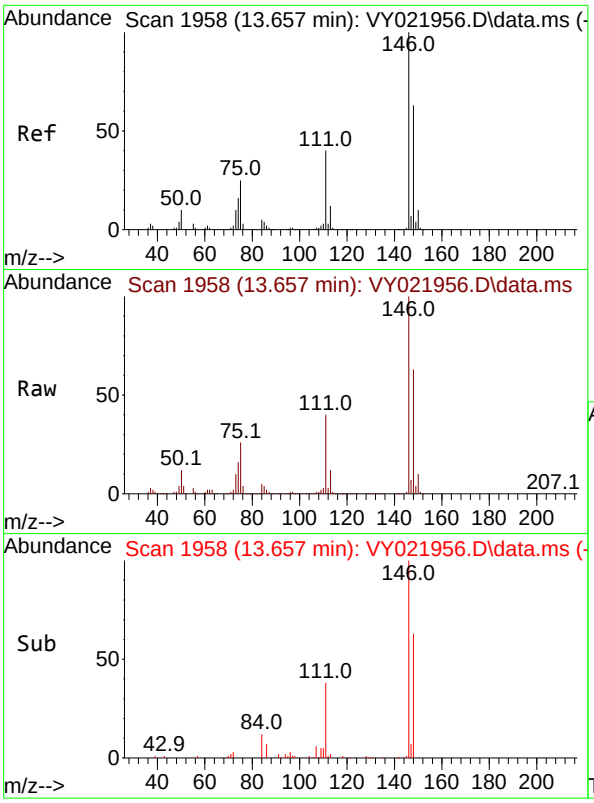


#90
Hexachloroethane
Concen: 47.353 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:117 Resp: 156957

Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.7	116.1



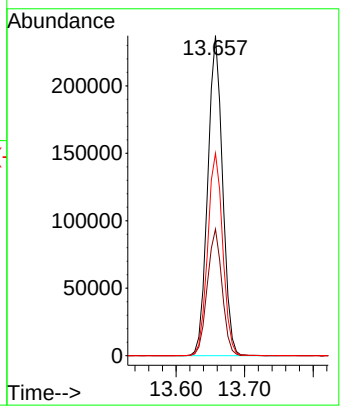


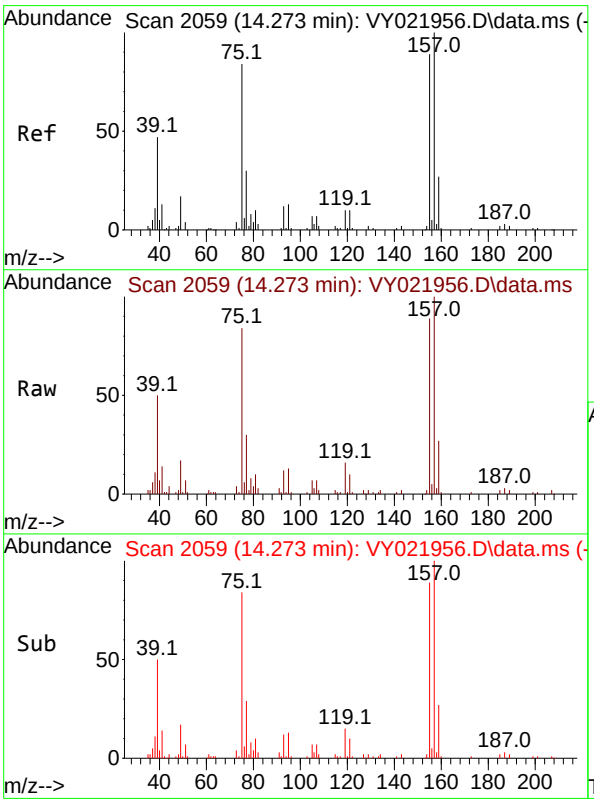
#91
1,2-Dichlorobenzene
Concen: 48.544 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 357028

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.2	32.1	96.3

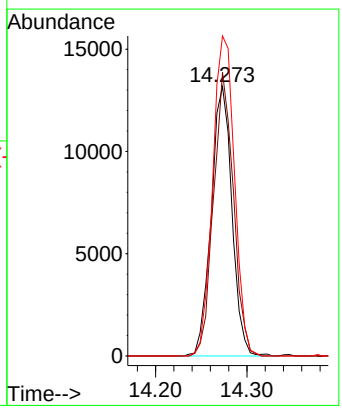


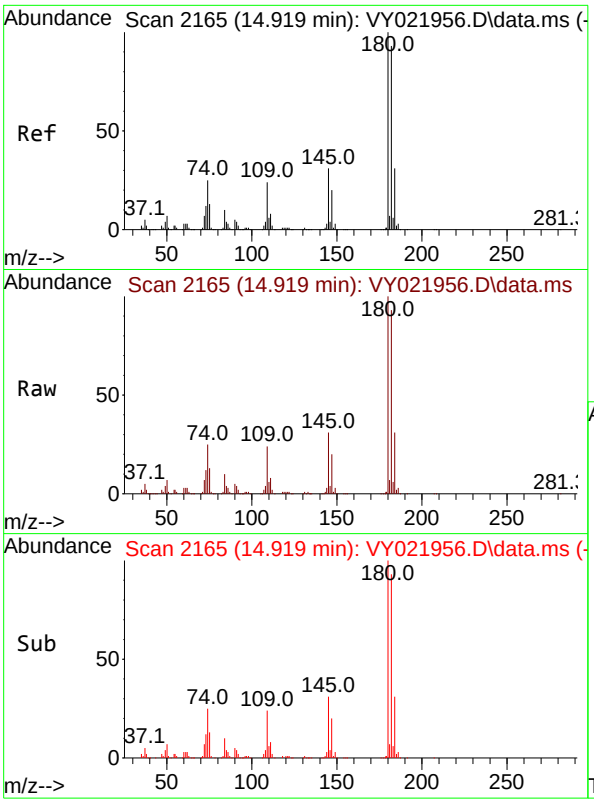


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.964 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion: 75 Resp: 20698

Ion	Ratio	Lower	Upper
75	100		
155	101.5	50.7	152.3
157	125.2	62.6	187.8



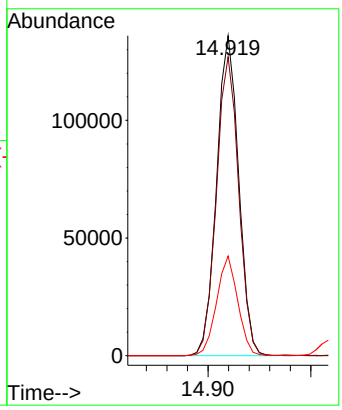


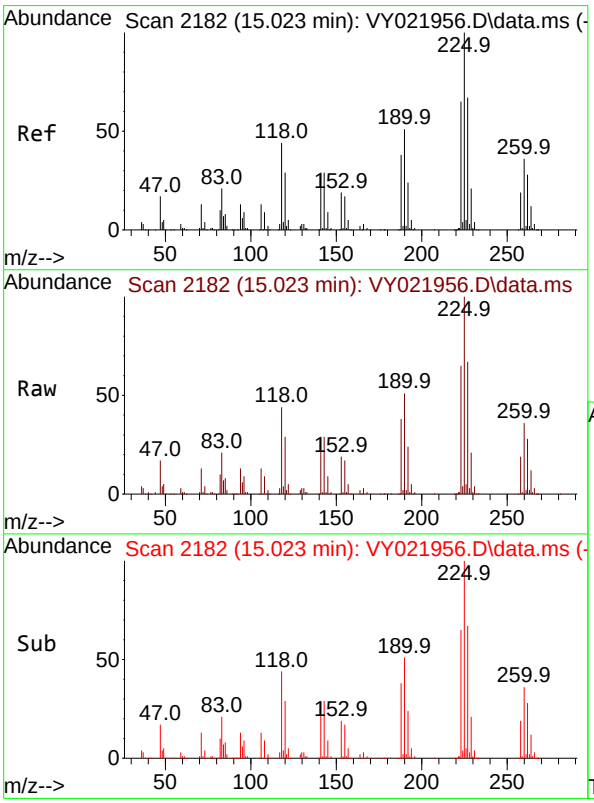
#93
1,2,4-Trichlorobenzene
Concen: 48.561 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 202386

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	30.0	15.0	45.0

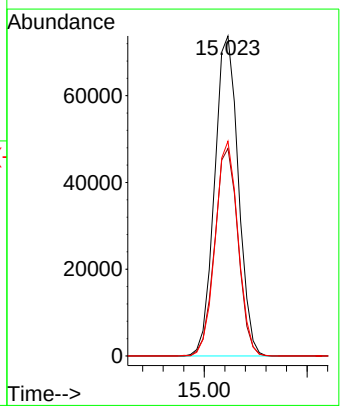


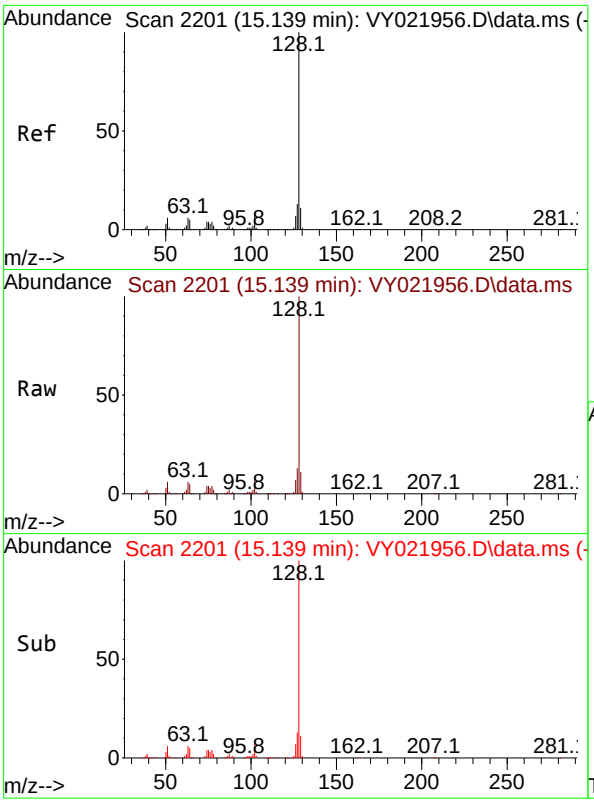


#94
Hexachlorobutadiene
Concen: 46.009 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:225 Resp: 117976

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.6	32.3	96.9



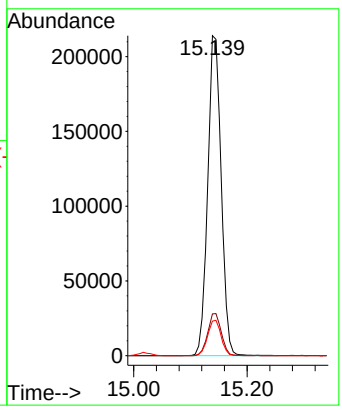


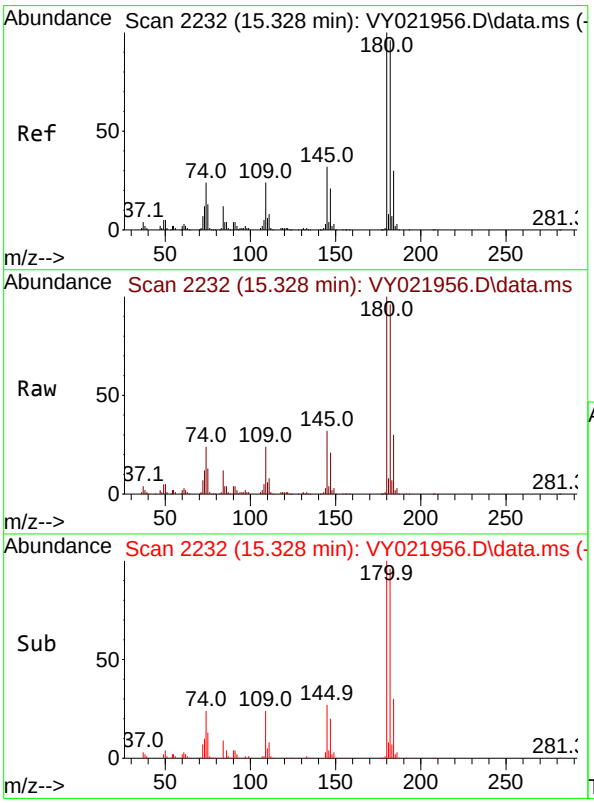
#95
Naphthalene
Concen: 51.007 ug/l
RT: 15.139 min Scan# 2
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 353130

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.1	8.9	13.3

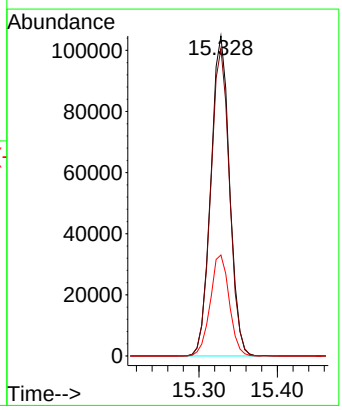




#96
1,2,3-Trichlorobenzene
Concen: 48.304 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021956.D
Acq: 22 Apr 2025 15:29

Tgt Ion:180 Resp: 173778

Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	32.0	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.900%#			
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 199.720%#			
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 201.660%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l	#	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l		100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l		98
44) Trichloroethene	8.866	130	401139	100.789	ug/l		99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l		99
46) Dibromomethane	9.231	93	197509	99.293	ug/l		99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l		99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l		97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l		99
52) Toluene	10.170	92	986553	106.068	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l		99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l		100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l		99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l		99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l		99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l		98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l		99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l		99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l		100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l		98
69) o-Xylene	11.956	106	716652	111.334	ug/l		99
70) Styrene	11.969	104	1220634	112.940	ug/l		99
71) Bromoform	12.133	173	226072	102.945	ug/l	#	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l		99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	375170	167.670	ug/l	#	100
77) Bromobenzene	12.530	156	451913	105.415	ug/l		98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l		99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l		97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l		99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l		99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l		100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l		99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l		99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l		100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l		99
95) Naphthalene	15.145	128	858079	120.033	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

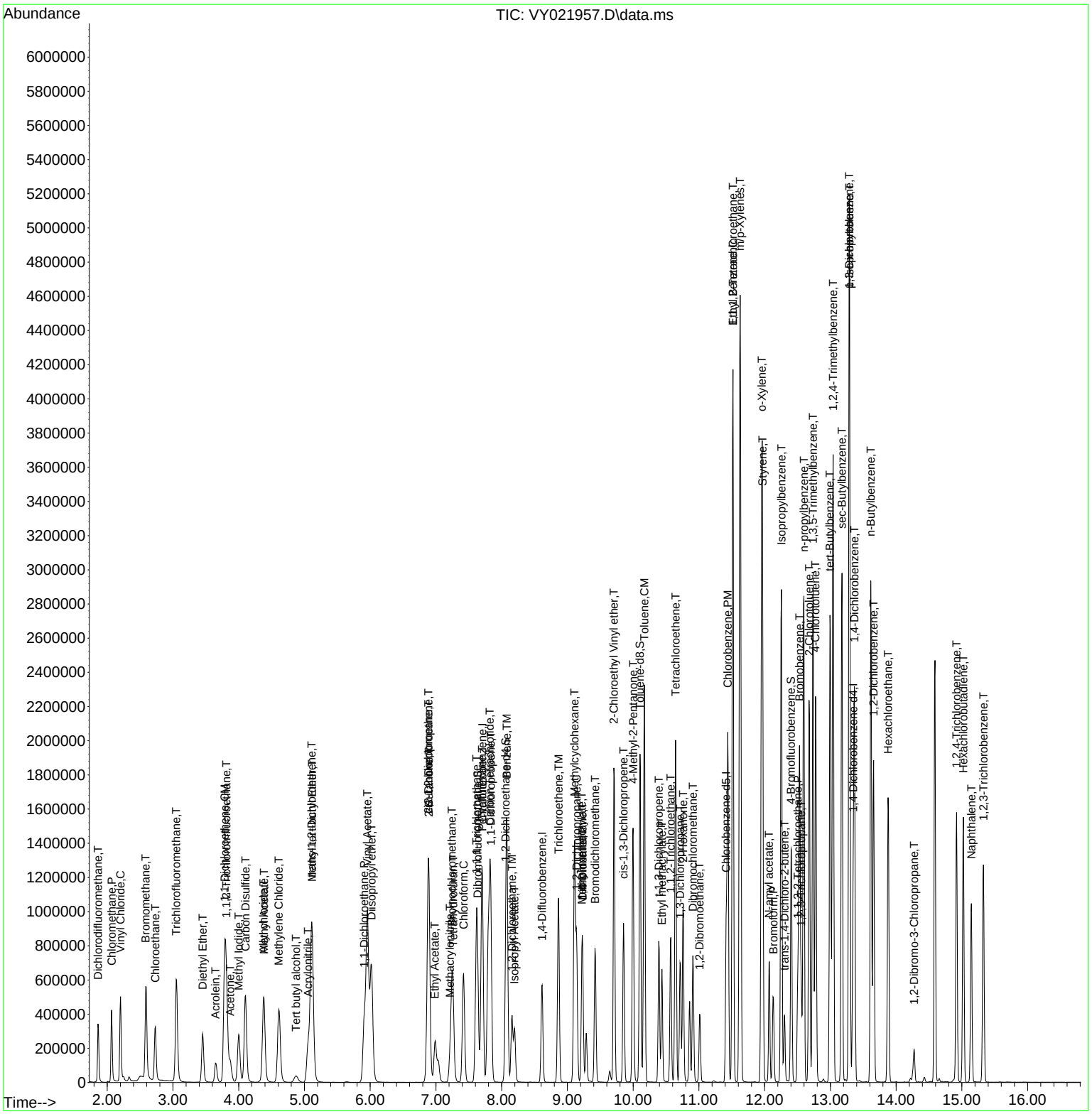
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

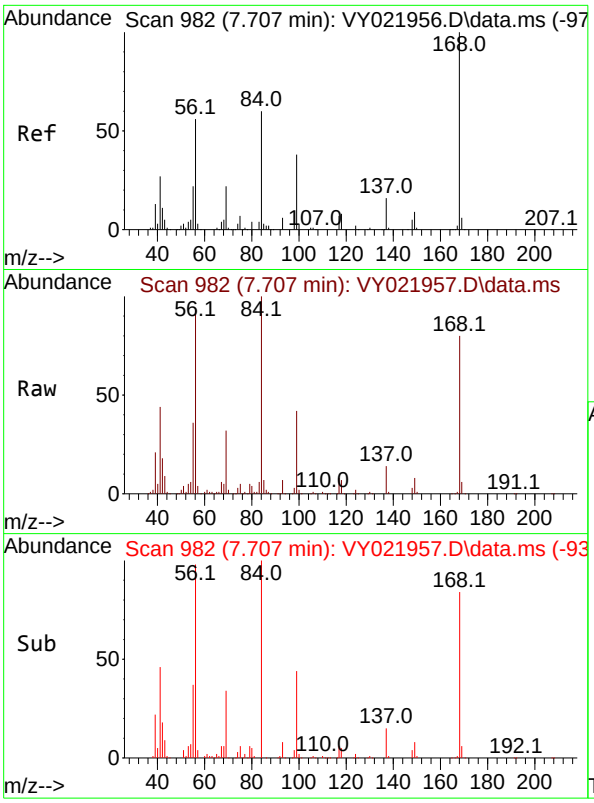
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



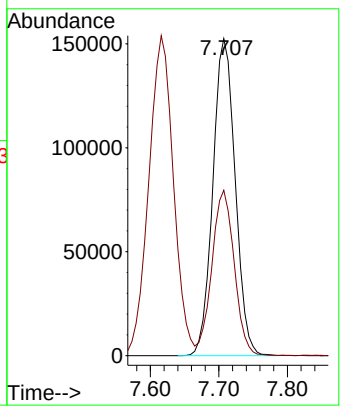


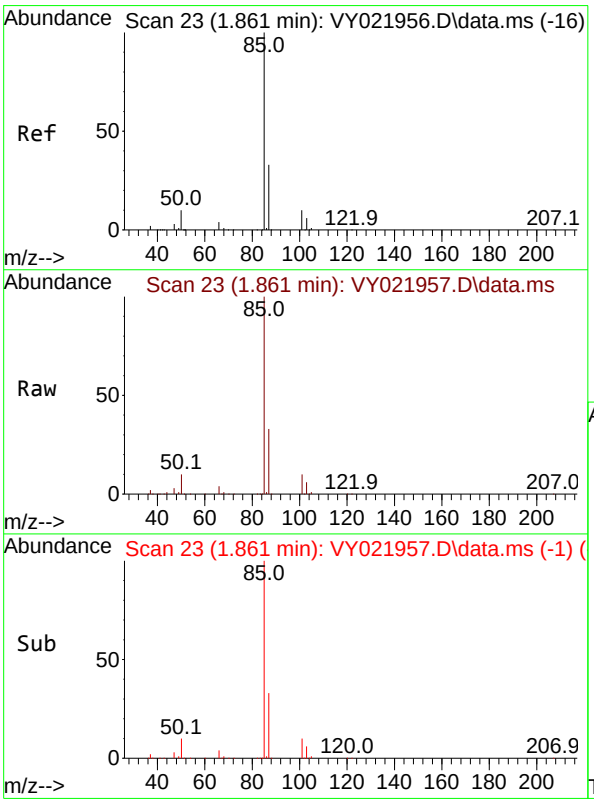
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 344392

Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7

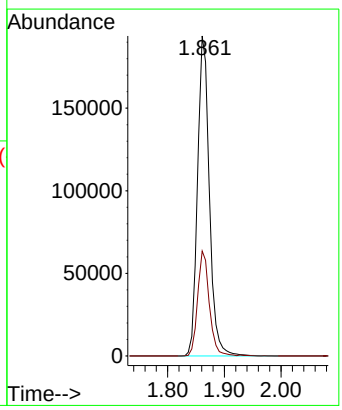


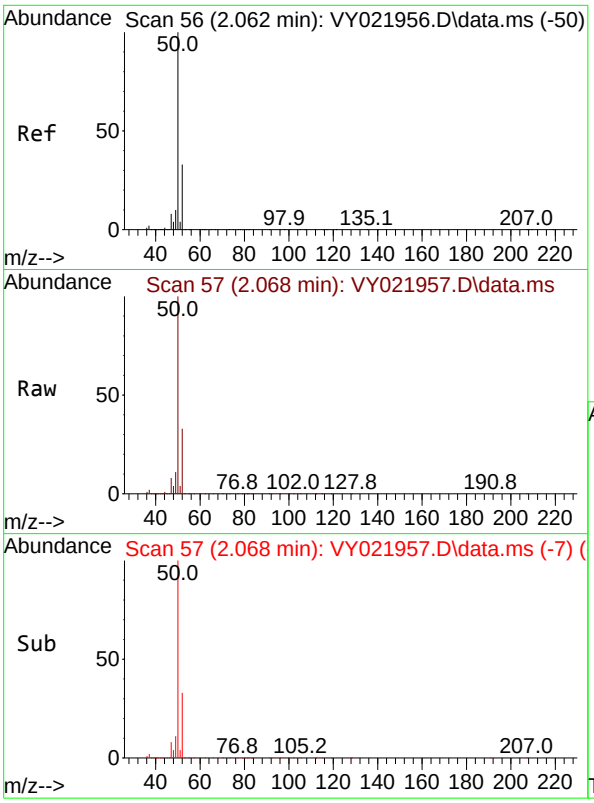


#2
Dichlorodifluoromethane
Concen: 95.668 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 85 Resp: 280742

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7



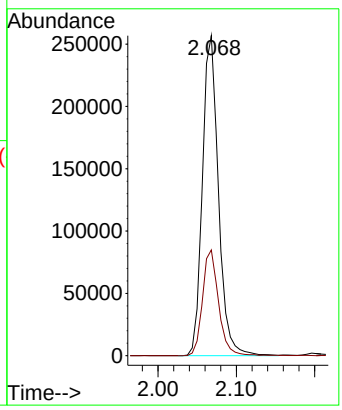


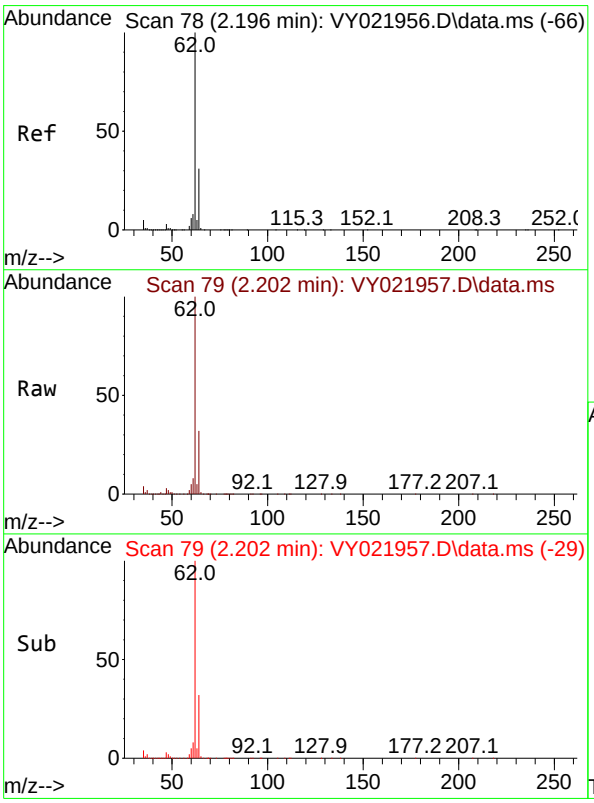
#3
Chloromethane
Concen: 87.270 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 364659

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1

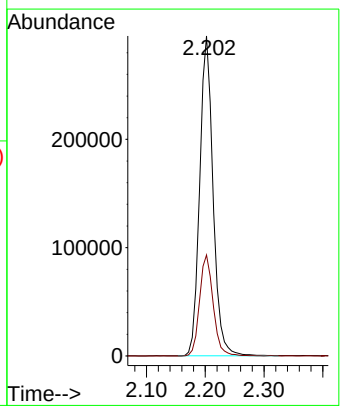


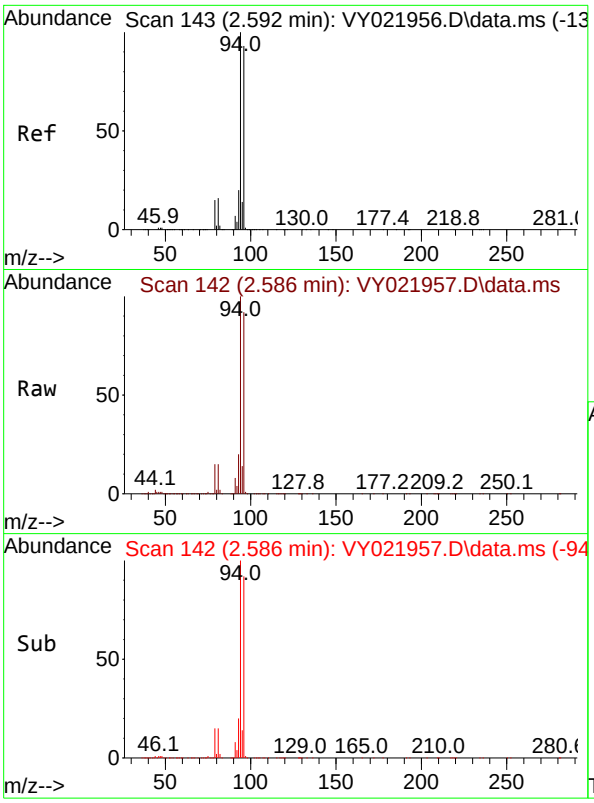


#4
Vinyl Chloride
Concen: 91.152 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 62 Resp: 468044

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.1	37.7



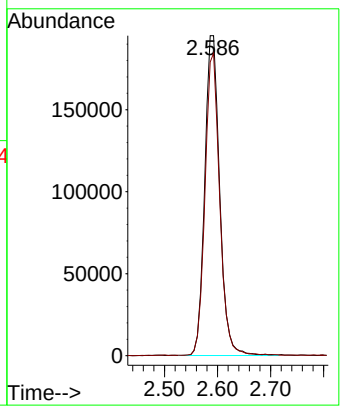


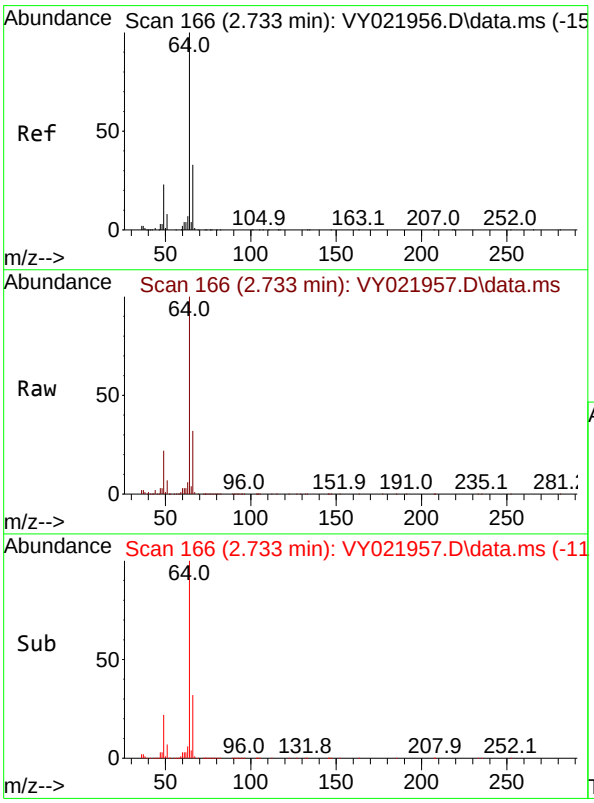
#5
Bromomethane
Concen: 86.267 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 381632

Ion	Ratio	Lower	Upper
94	100		
96	91.7	74.6	111.8

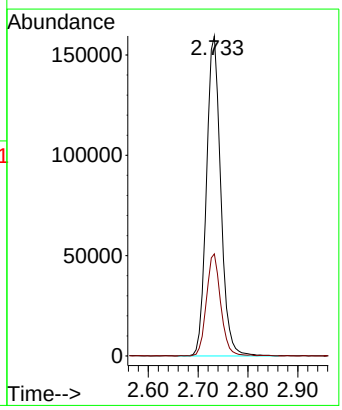


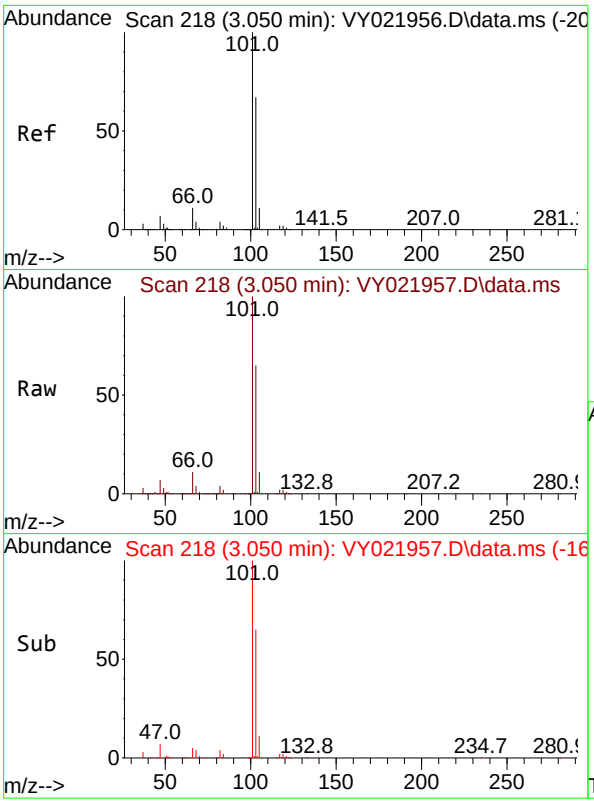


#6
Chloroethane
Concen: 90.651 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 64 Resp: 317008

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.2	39.4



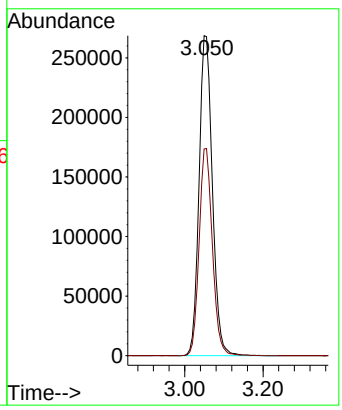


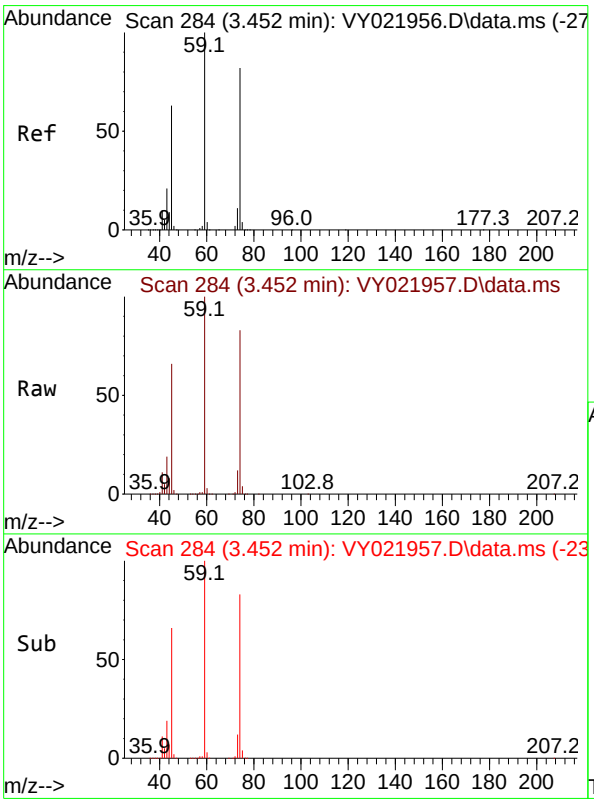
#7
Trichlorofluoromethane
Concen: 93.728 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 634632

Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.6	80.4

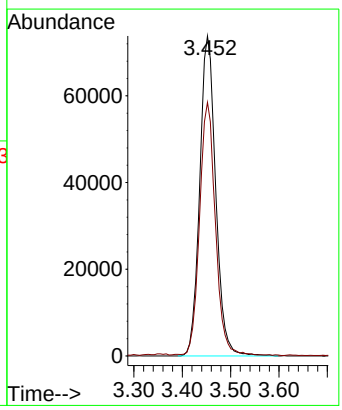


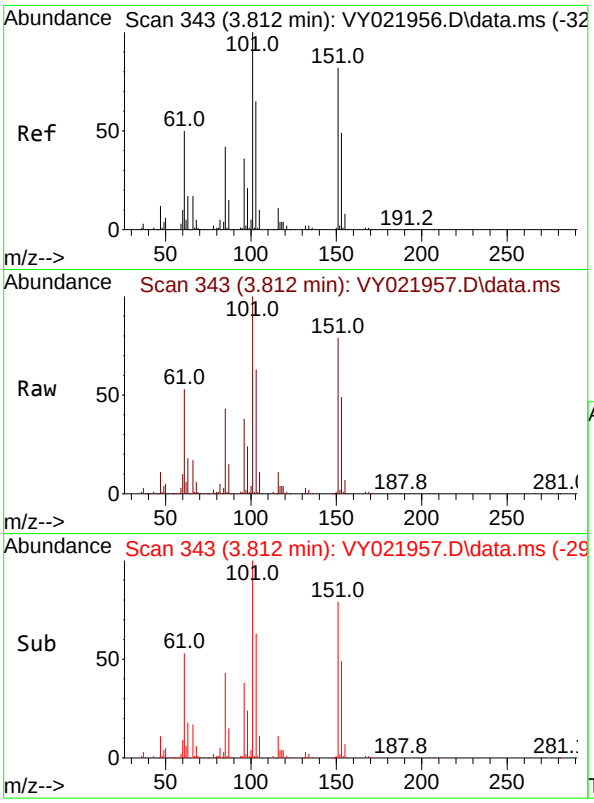


#8
Diethyl Ether
Concen: 96.177 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 74 Resp: 169496

Ion	Ratio	Lower	Upper
74	100		
45	77.7	39.1	117.5



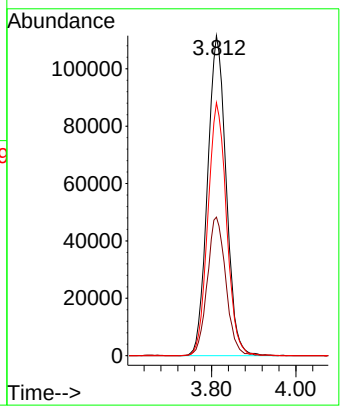


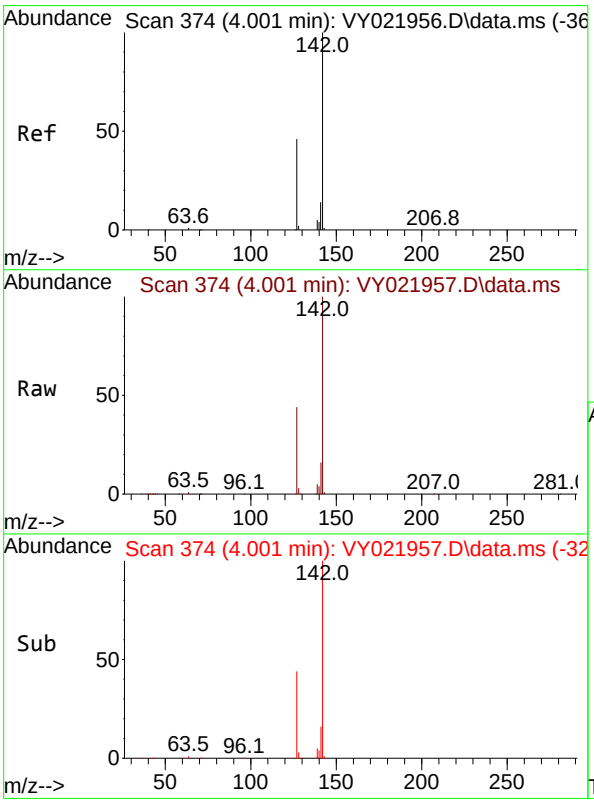
#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.171 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 342220

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	78.9	63.7	95.5

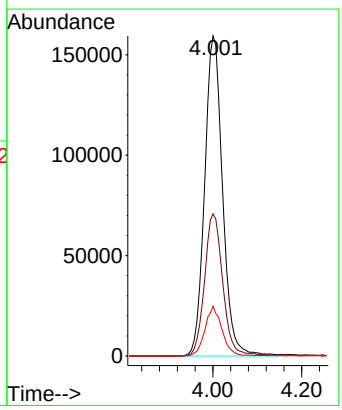


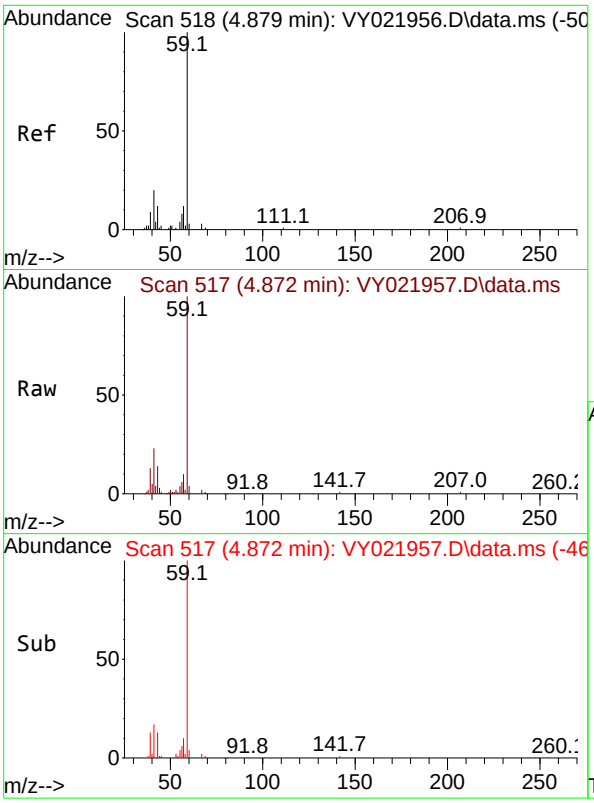


#10
Methyl Iodide
Concen: 105.498 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:142 Resp: 448644

Ion	Ratio	Lower	Upper
142	100		
127	45.0	36.2	54.2
141	14.6	11.7	17.5



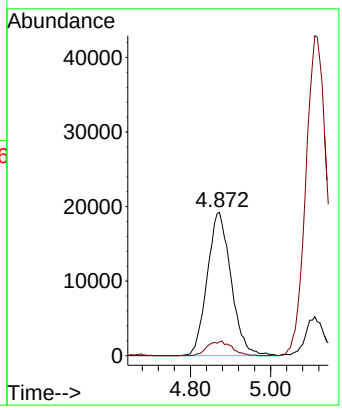


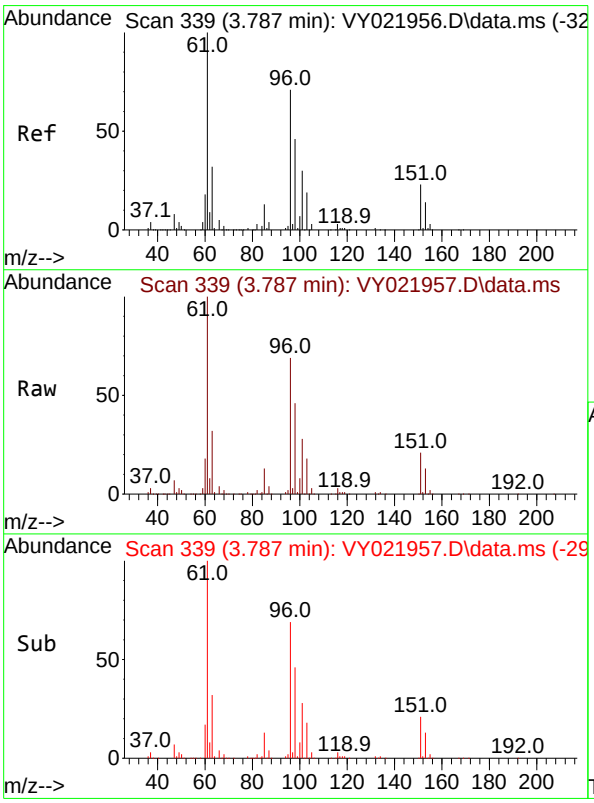
#11
Tert butyl alcohol
Concen: 454.915 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 79446

Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.3	13.9

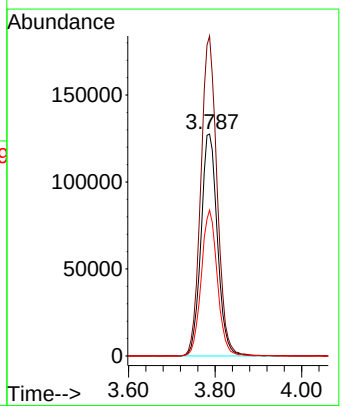


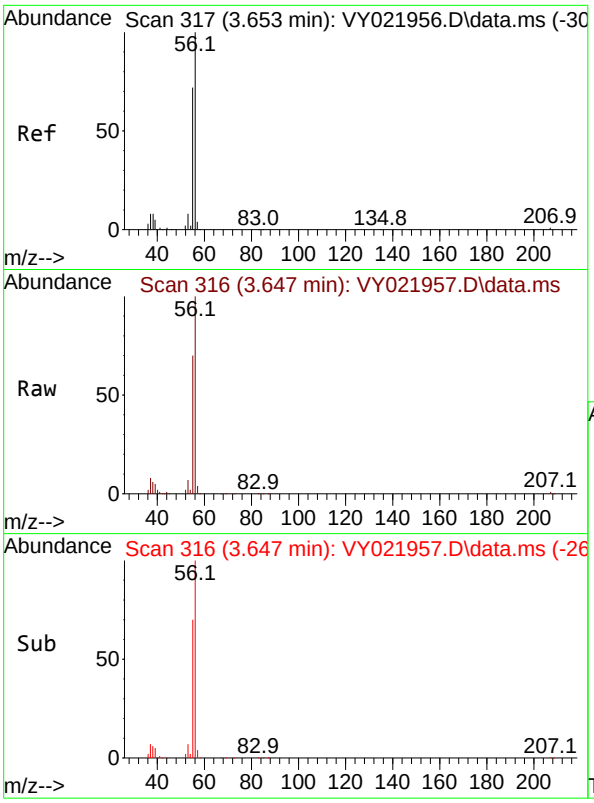


#12
1,1-Dichloroethene
Concen: 97.935 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 96 Resp: 335292

Ion	Ratio	Lower	Upper
96	100		
61	144.2	113.0	169.4
98	65.7	51.4	77.2



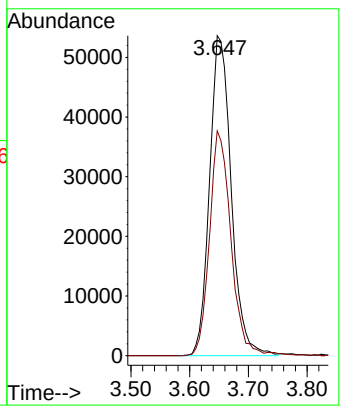


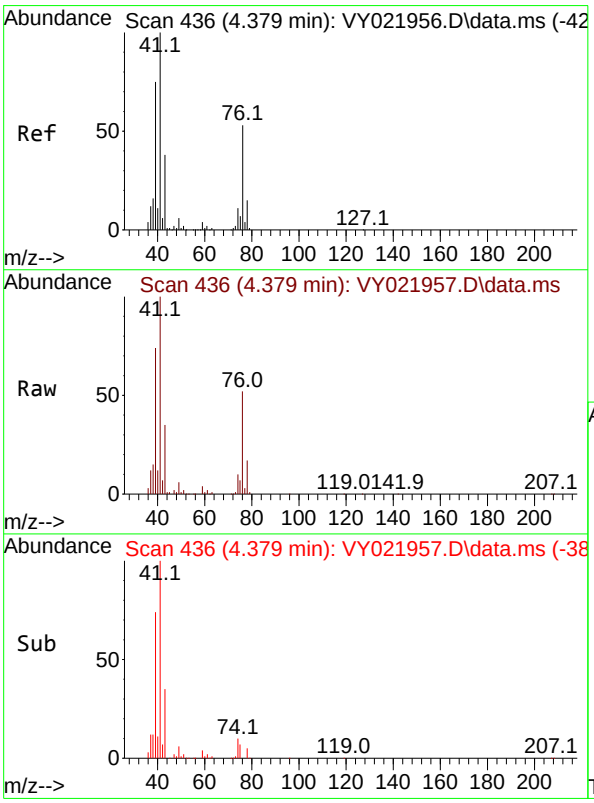
#13
Acrolein
Concen: 438.034 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 137299

Ion	Ratio	Lower	Upper
56	100		
55	69.1	57.4	86.0

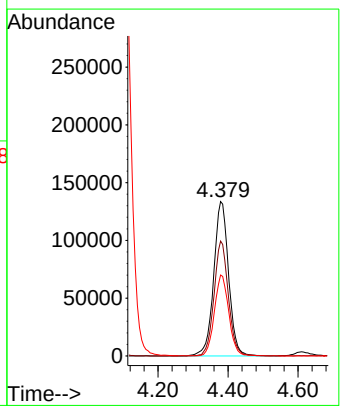


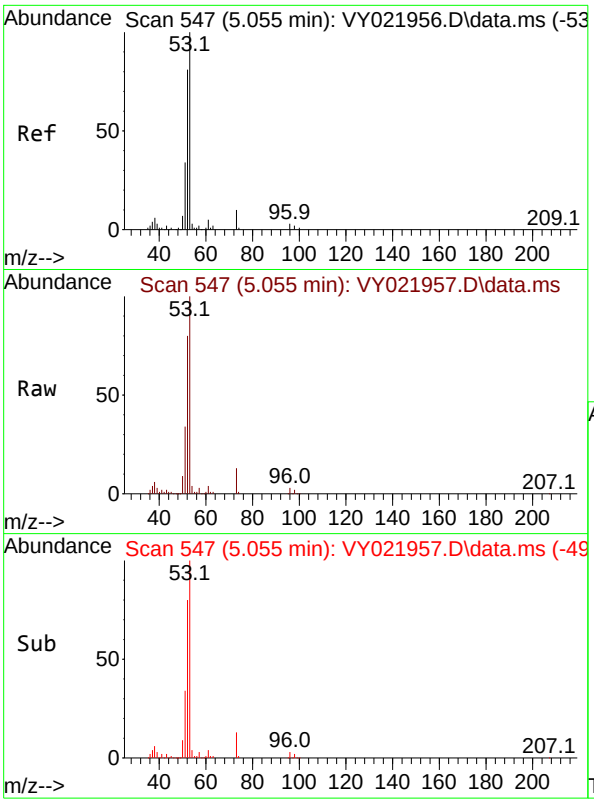


#14
Allyl chloride
Concen: 99.318 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 41 Resp: 395924

Ion	Ratio	Lower	Upper
41	100		
39	71.7	57.2	85.8
76	50.5	39.7	59.5



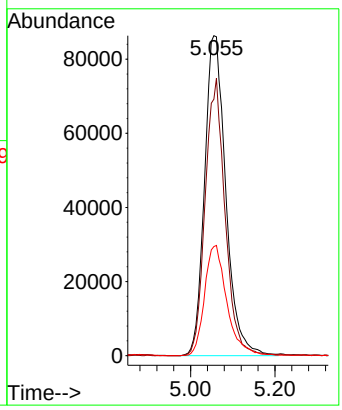


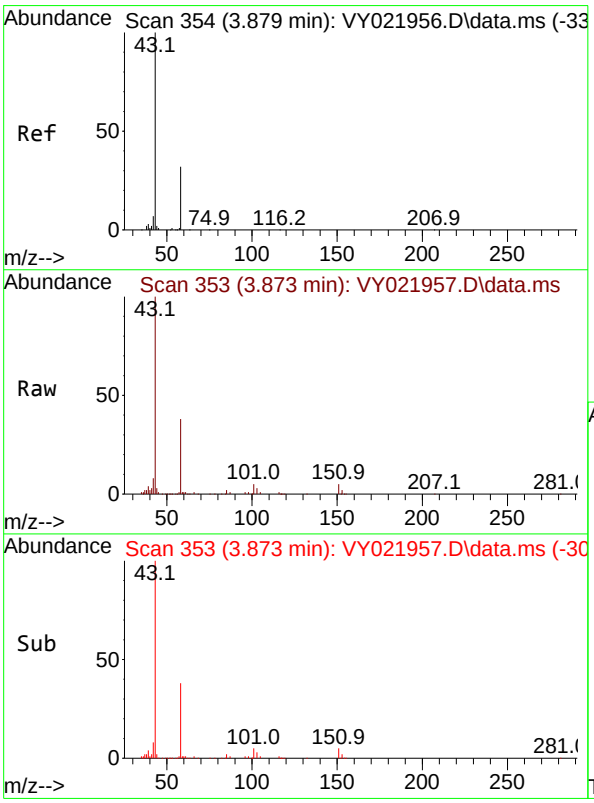
#15
Acrylonitrile
Concen: 470.017 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 303243

Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.0	97.6
51	36.1	28.9	43.3

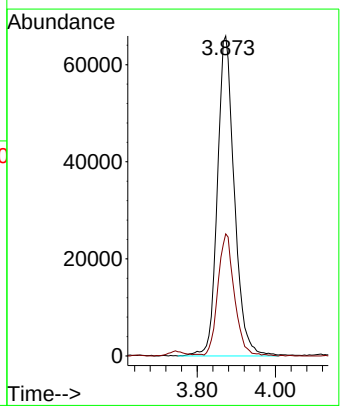


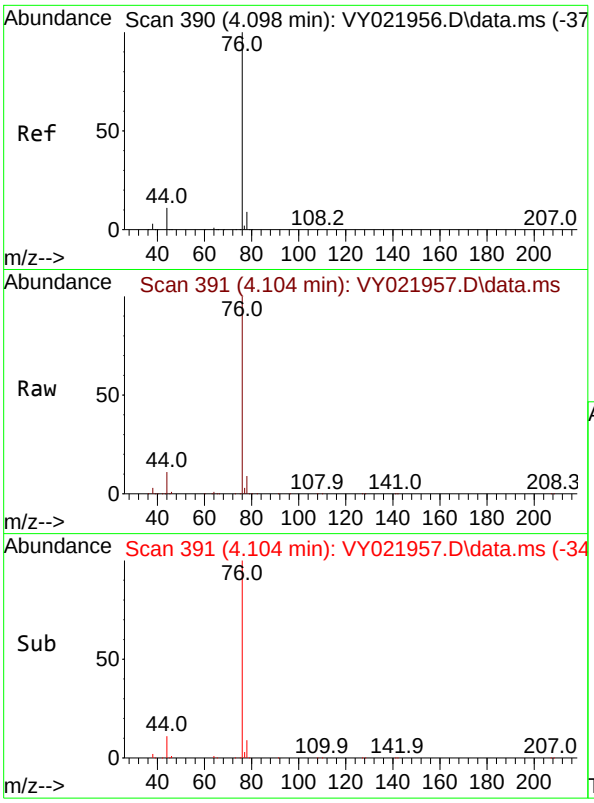


#16
Acetone
Concen: 497.873 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 198486

Ion	Ratio	Lower	Upper
43	100		
58	38.2	27.0	40.4



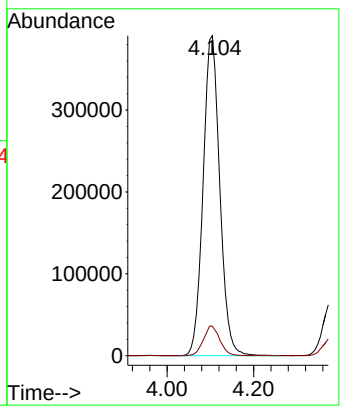


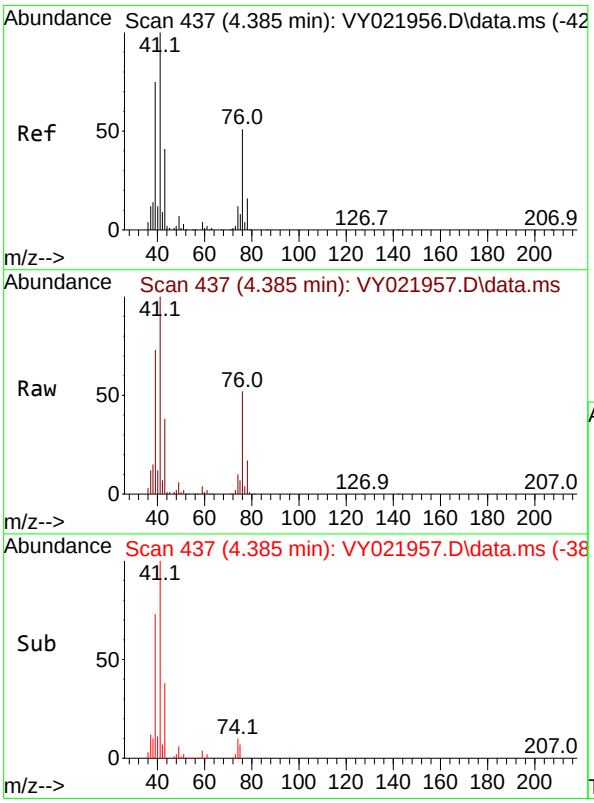
#17
Carbon Disulfide
Concen: 95.665 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 1044296

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

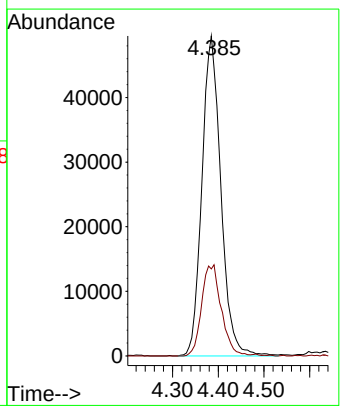


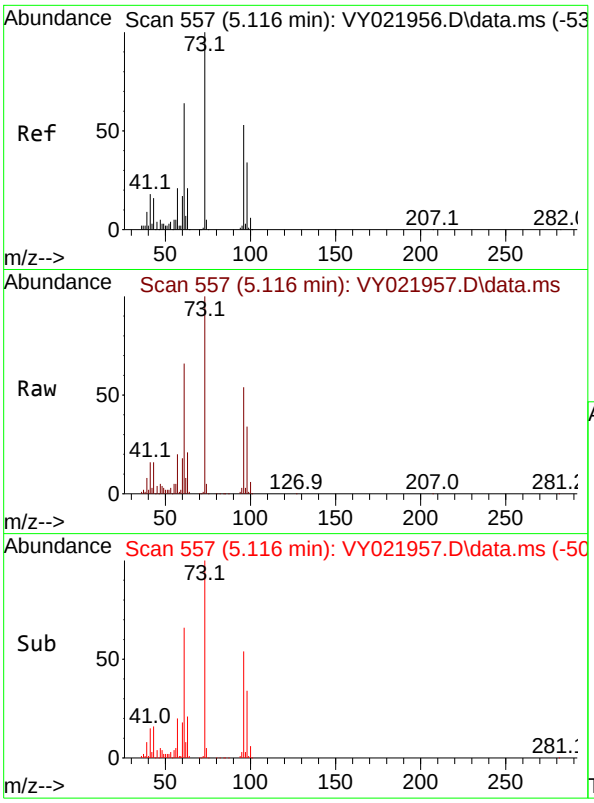


#18
Methyl Acetate
Concen: 96.193 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 142939

Ion	Ratio	Lower	Upper
43	100		
74	29.5	24.2	36.4



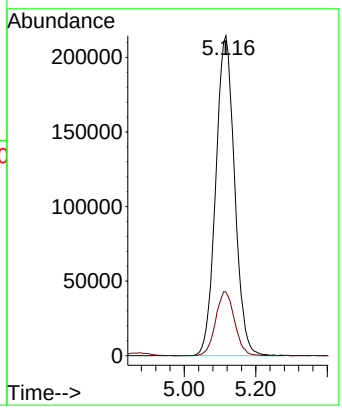


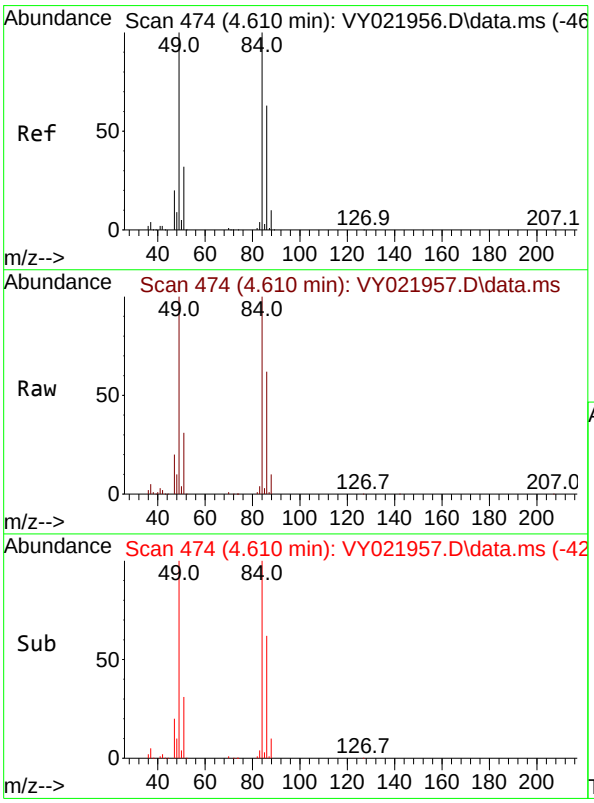
#19
Methyl tert-butyl Ether
Concen: 102.542 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 785760

Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.9	25.3

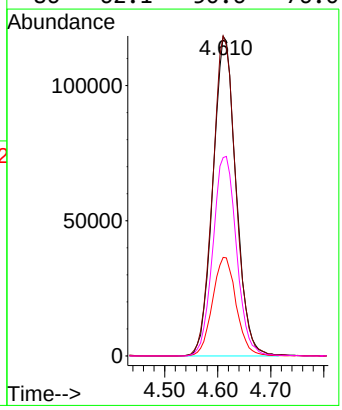


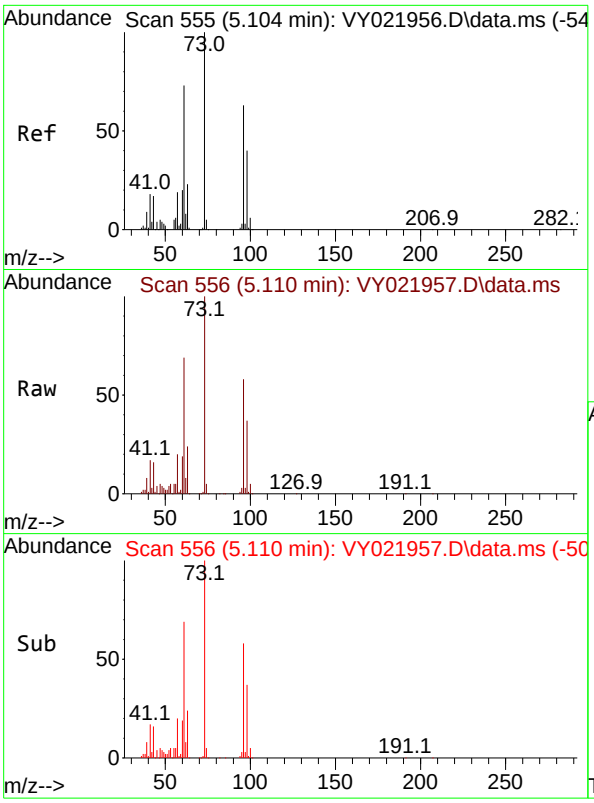


#20
Methylene Chloride
Concen: 88.623 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 84 Resp: 356477

Ion	Ratio	Lower	Upper
84	100		
49	100.1	79.9	119.9
51	30.8	25.4	38.0
86	62.1	50.6	76.0



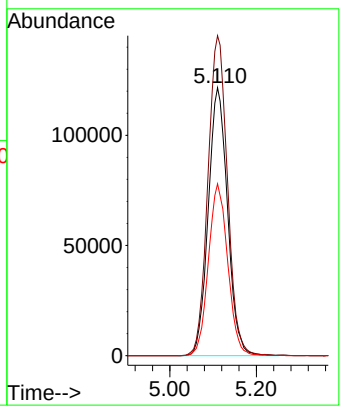


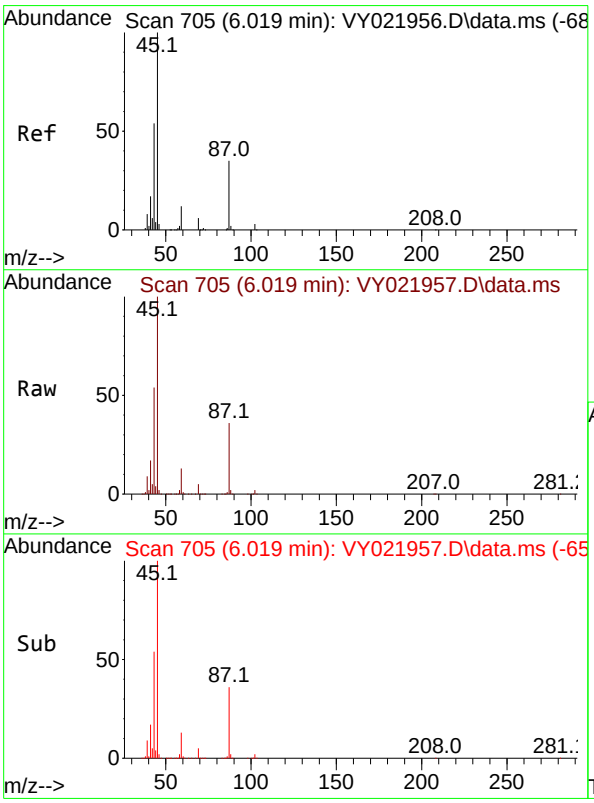
#21
trans-1,2-Dichloroethene
Concen: 98.137 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 376278

Ion	Ratio	Lower	Upper
96	100		
61	119.4	92.6	138.8
98	64.1	50.2	75.4

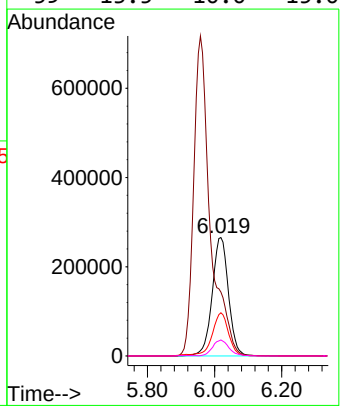


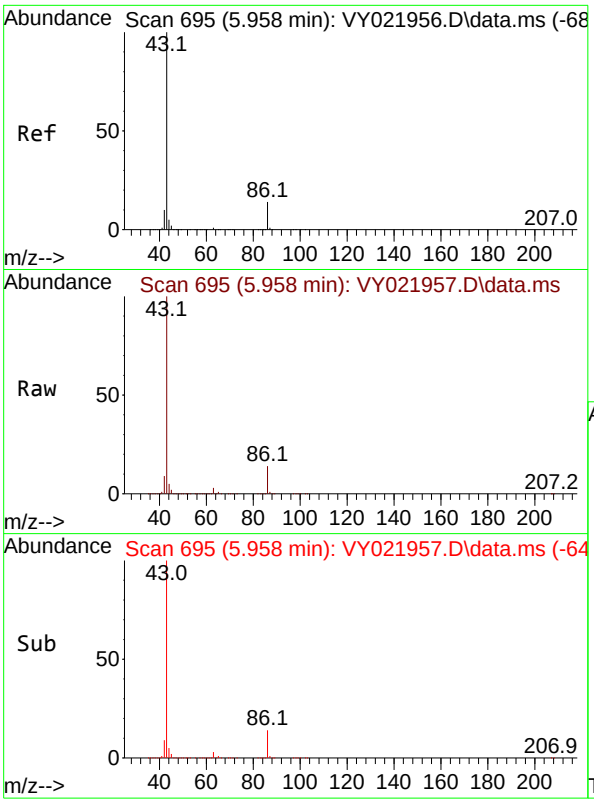


#22
Diisopropyl ether
Concen: 100.965 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 45 Resp: 895700

Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.6	65.4
87	36.5	28.2	42.4
59	13.5	10.0	15.0



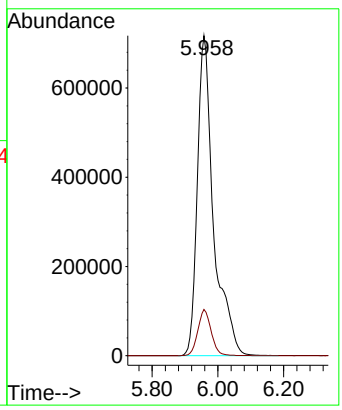


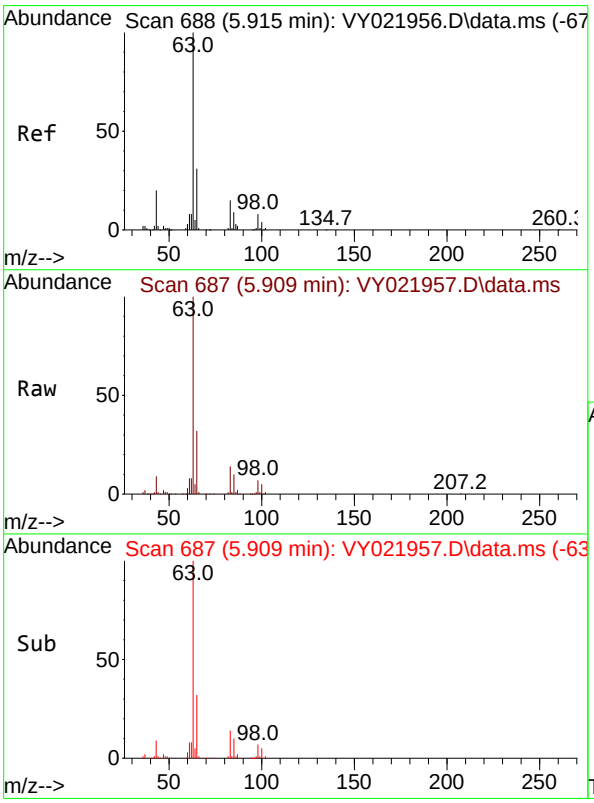
#23
Vinyl Acetate
Concen: 513.679 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2455946

Ion	Ratio	Lower	Upper
43	100		
86	14.5	11.1	16.7

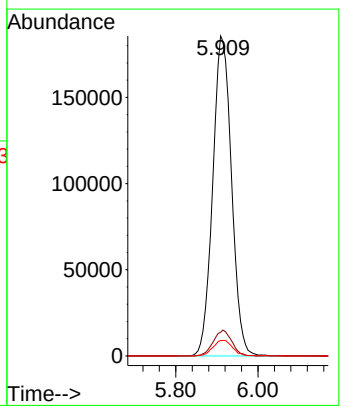


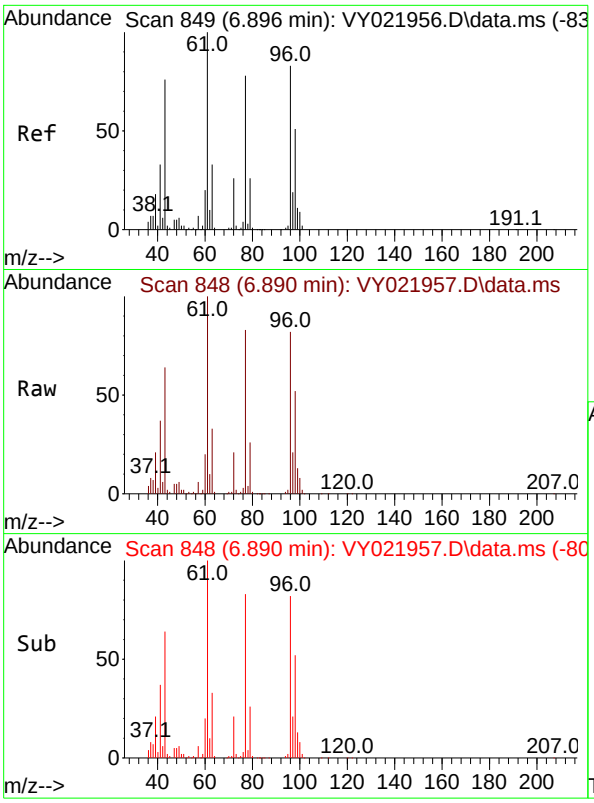


#24
1,1-Dichloroethane
Concen: 95.806 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 63 Resp: 589137

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	11.9
100	4.8	2.0	6.0



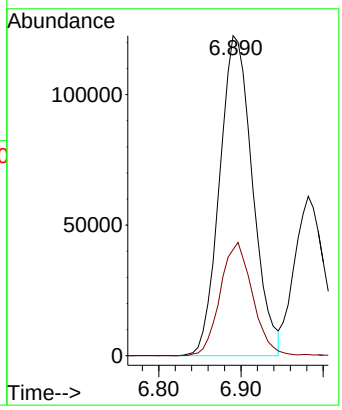


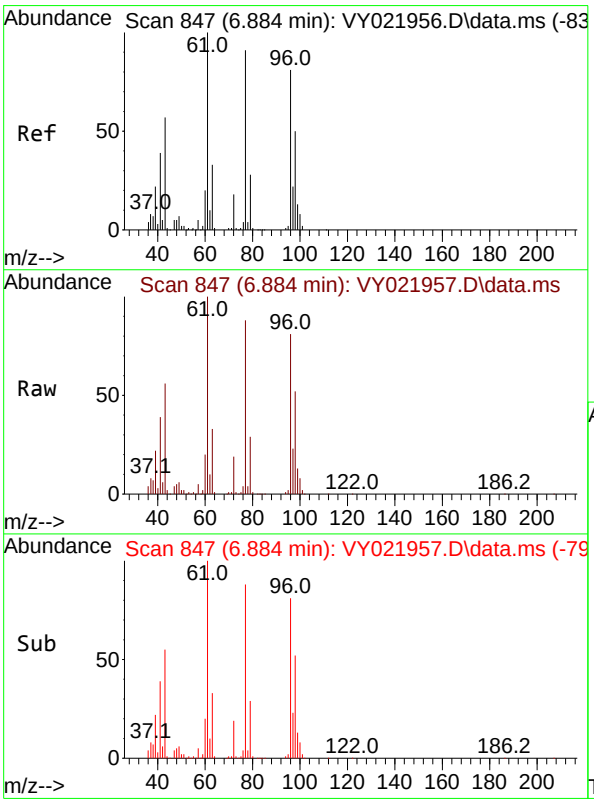
#25
2-Butanone
Concen: 471.826 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 342128

Ion	Ratio	Lower	Upper
43	100		
72	33.2	27.0	40.4

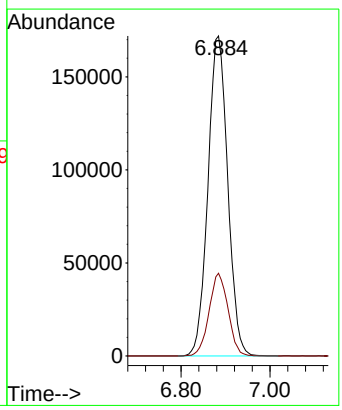


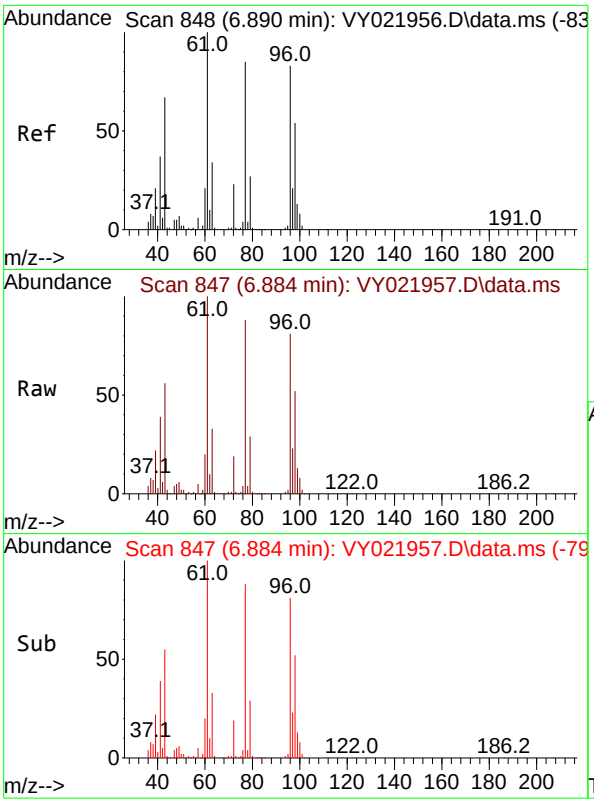


#26
2,2-Dichloropropane
Concen: 98.439 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 77 Resp: 530549

Ion	Ratio	Lower	Upper
77	100		
97	24.8	12.4	37.4



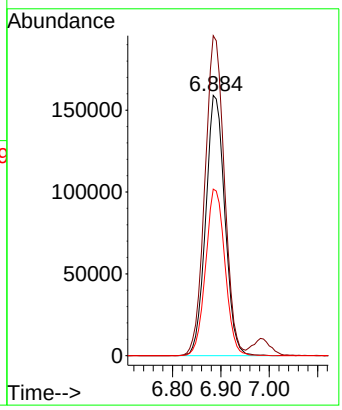


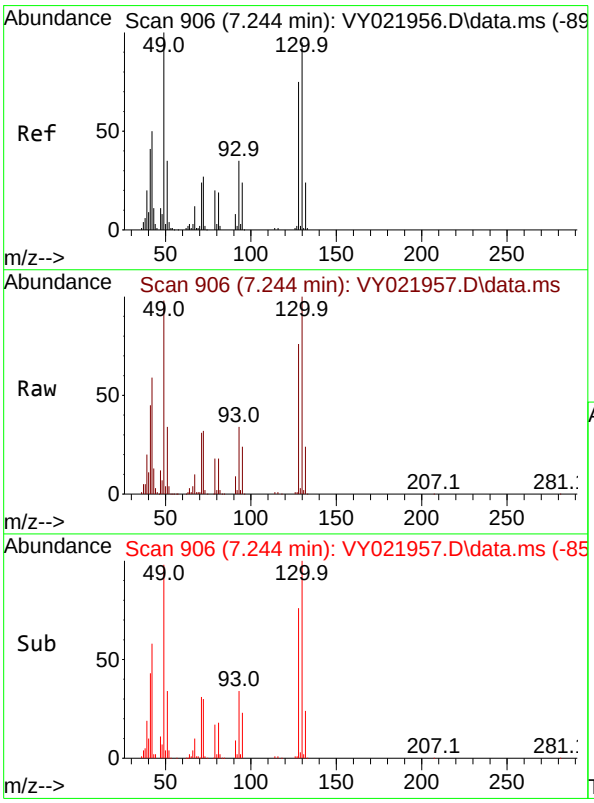
#27
cis-1,2-Dichloroethene
Concen: 101.743 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 436196

Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	251.4
98	64.8	0.0	128.4

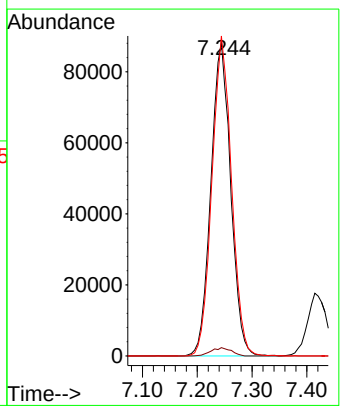


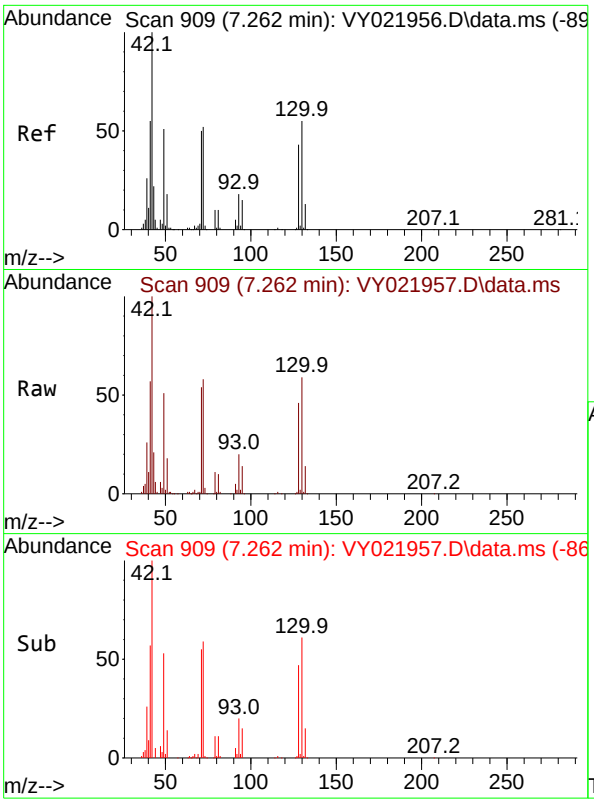


#28
Bromochloromethane
Concen: 92.652 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 49 Resp: 221300

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	100.7	78.2	117.4



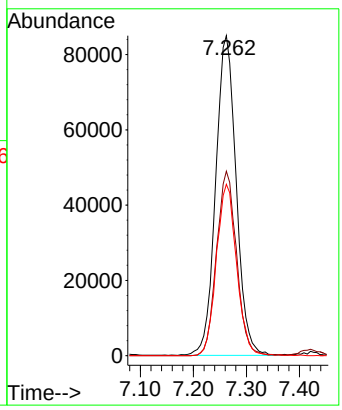


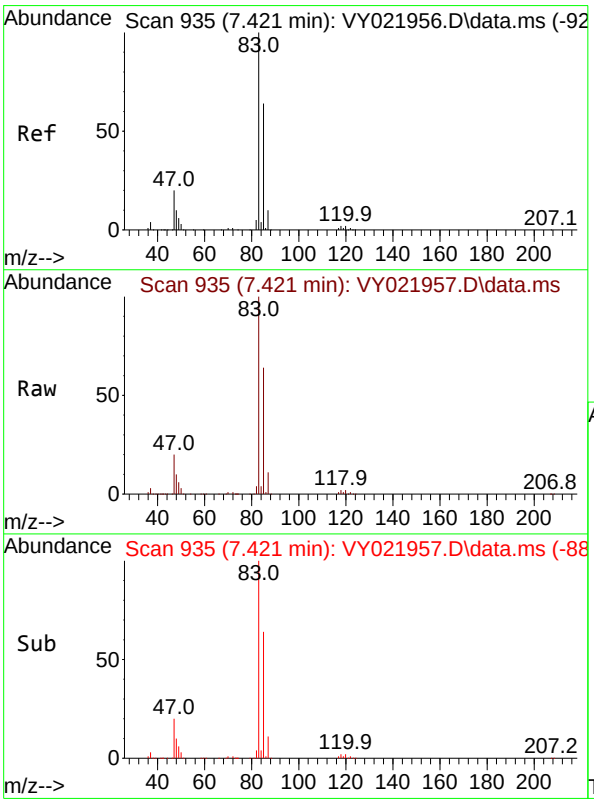
#29
Tetrahydrofuran
Concen: 485.059 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 228438

Ion	Ratio	Lower	Upper
42	100		
72	56.3	42.6	63.8
71	52.8	40.6	61.0

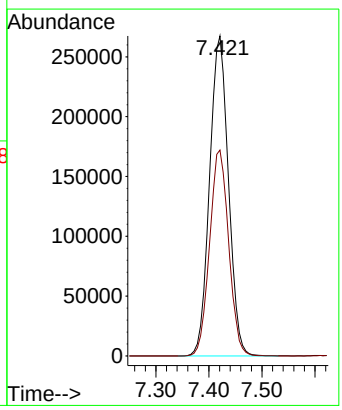


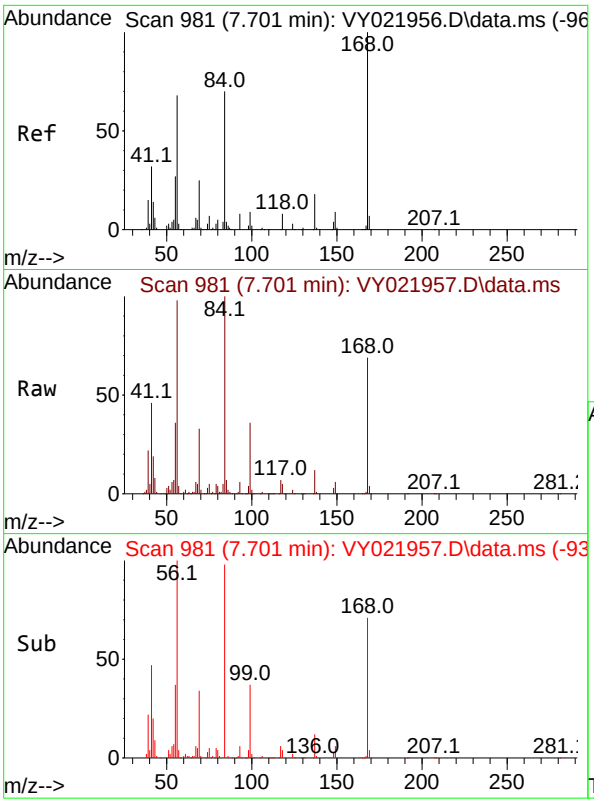


#30
Chloroform
Concen: 96.733 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 83 Resp: 659805

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9



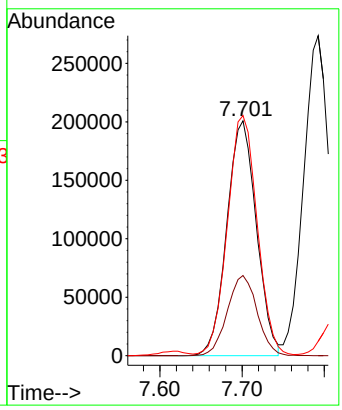


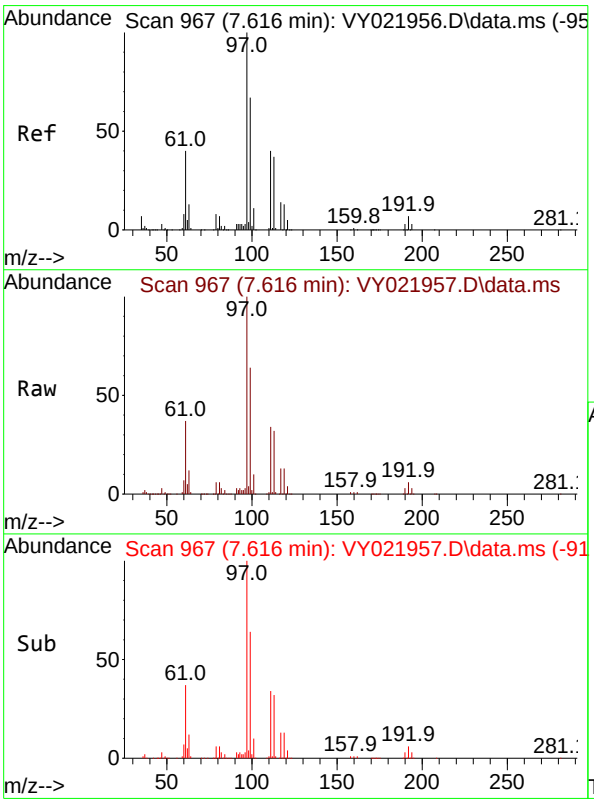
#31
Cyclohexane
Concen: 95.618 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 502812

Ion	Ratio	Lower	Upper
56	100		
69	34.1	29.4	44.2
84	100.3	82.2	123.4

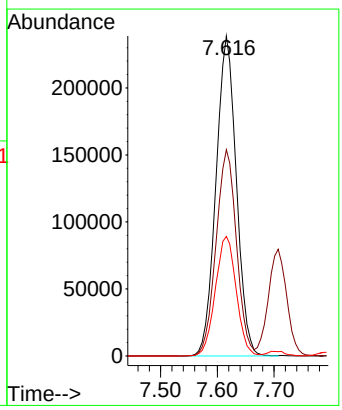


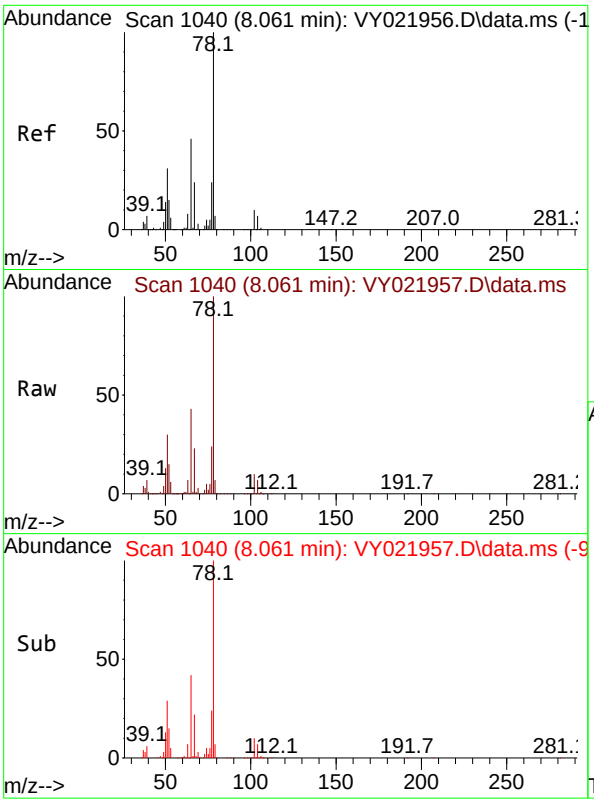


#32
1,1,1-Trichloroethane
Concen: 96.568 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 97 Resp: 595919

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	38.4	31.4	47.2



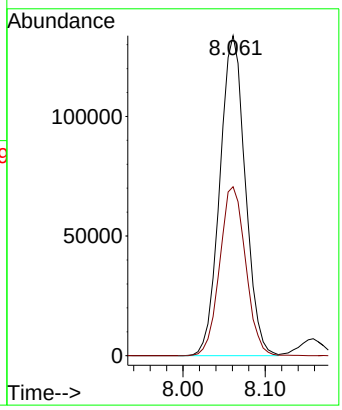


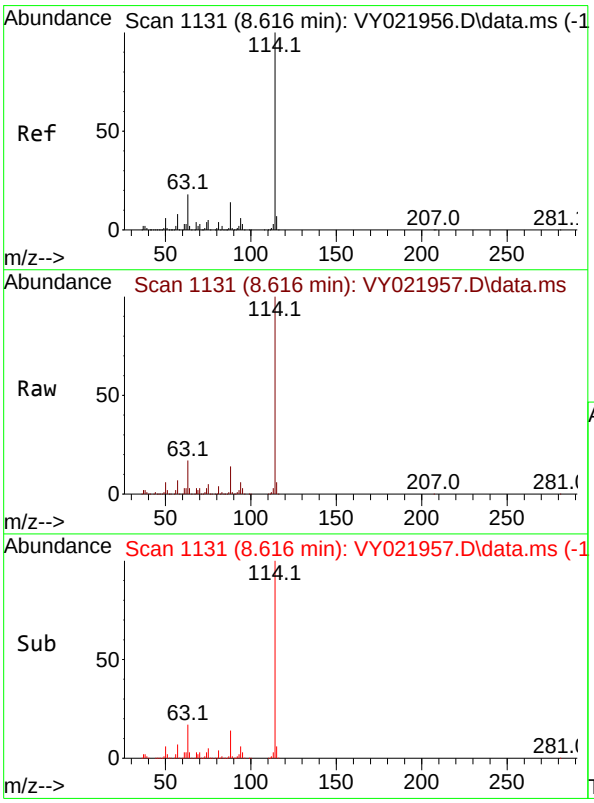
#33
1,2-Dichloroethane-d4
Concen: 90.454 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 287743

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.8

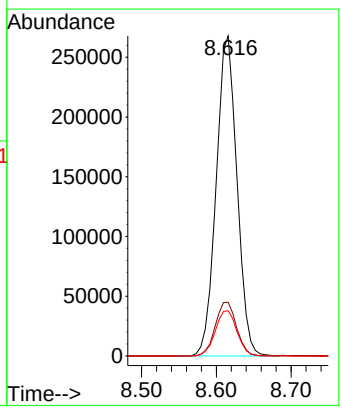


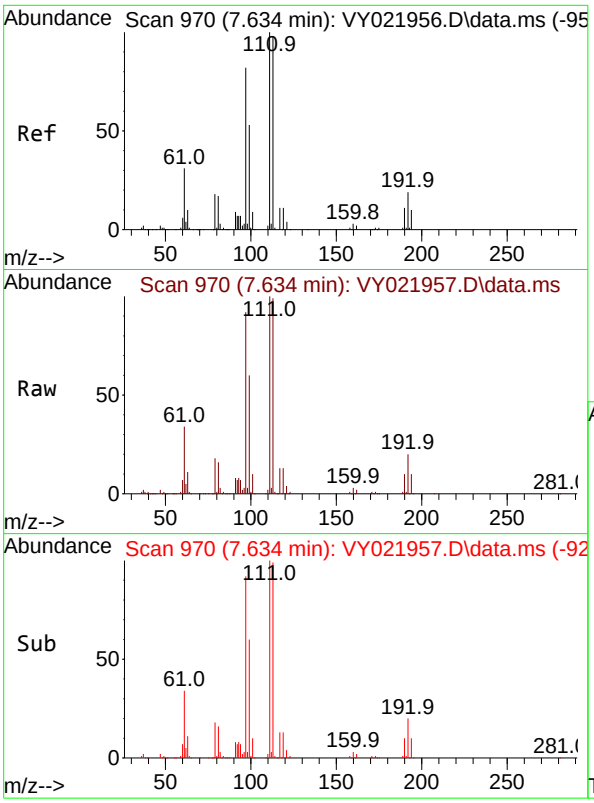


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:114 Resp: 517970

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.4
88	14.2	0.0	28.2



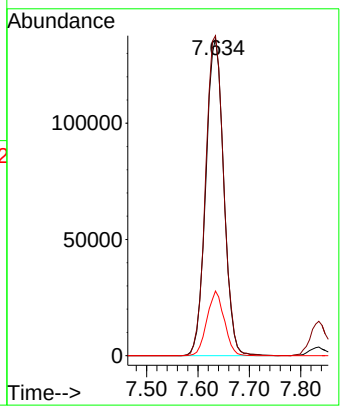


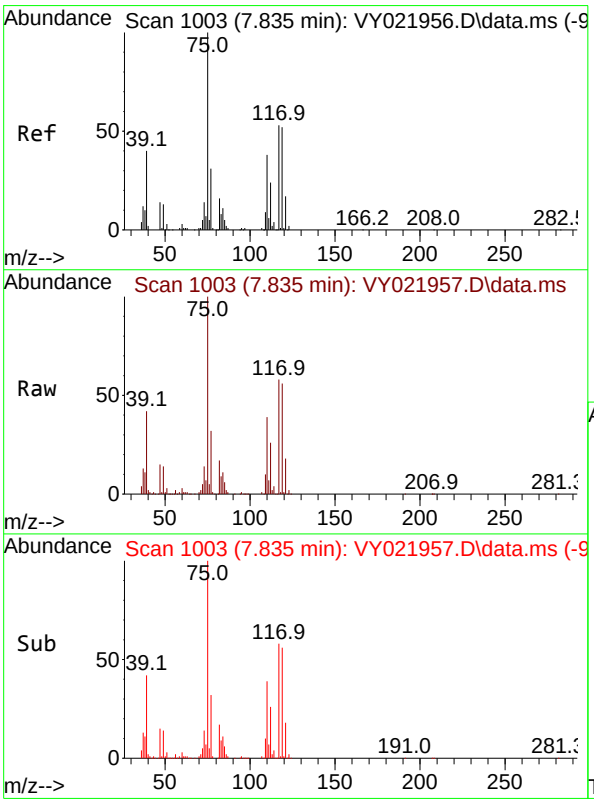
#35
Dibromofluoromethane
Concen: 96.430 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 329983

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.8
192	19.7	15.6	23.4

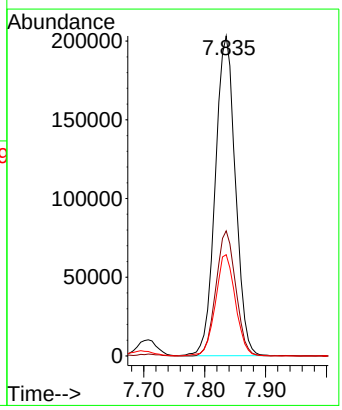


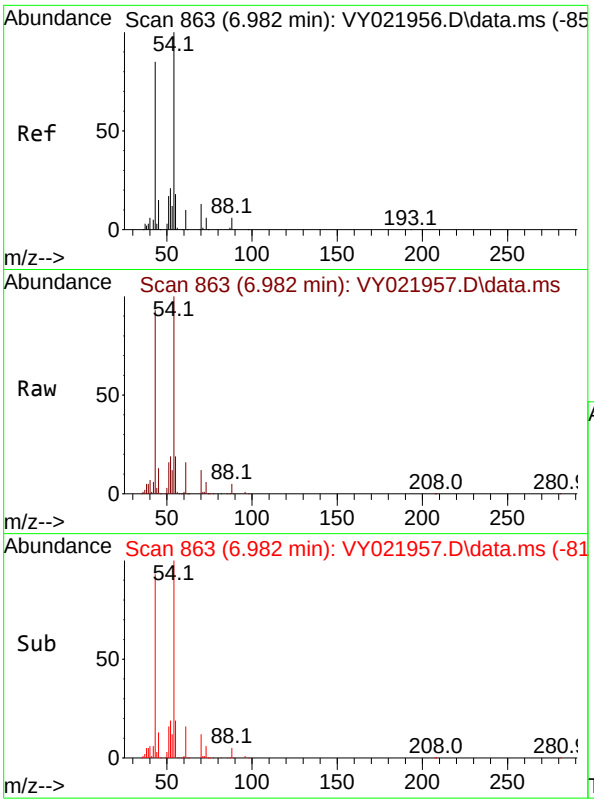


#36
1,1-Dichloropropene
Concen: 101.471 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 466424

Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.1	57.3
77	31.5	25.5	38.3



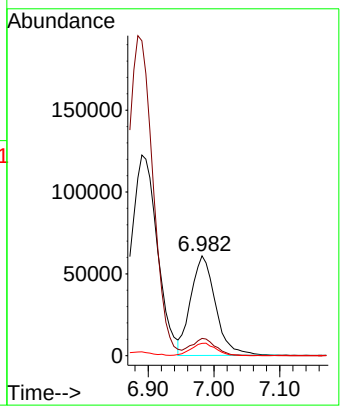


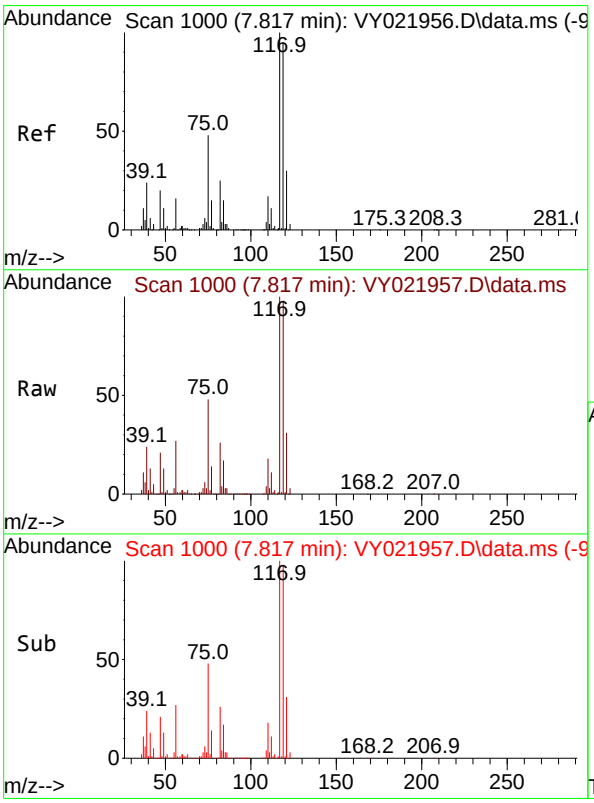
#37
Ethyl Acetate
Concen: 97.530 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 158846

Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.8	20.6
70	12.6	9.2	13.8

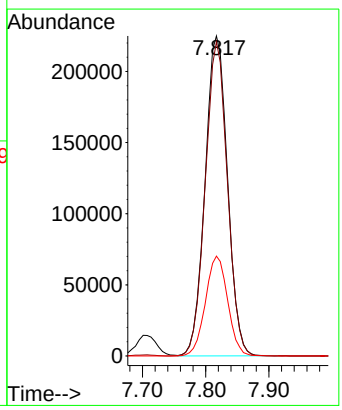


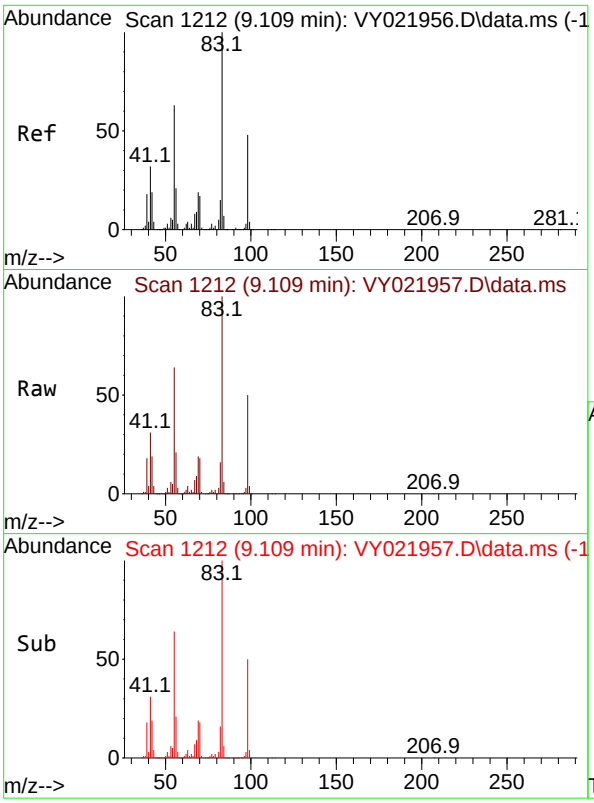


#38
Carbon Tetrachloride
Concen: 100.983 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:117 Resp: 554665

Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.2	114.4
121	31.2	24.0	36.0



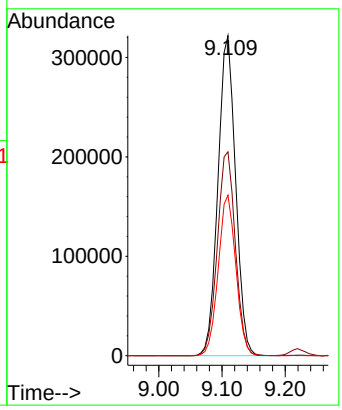


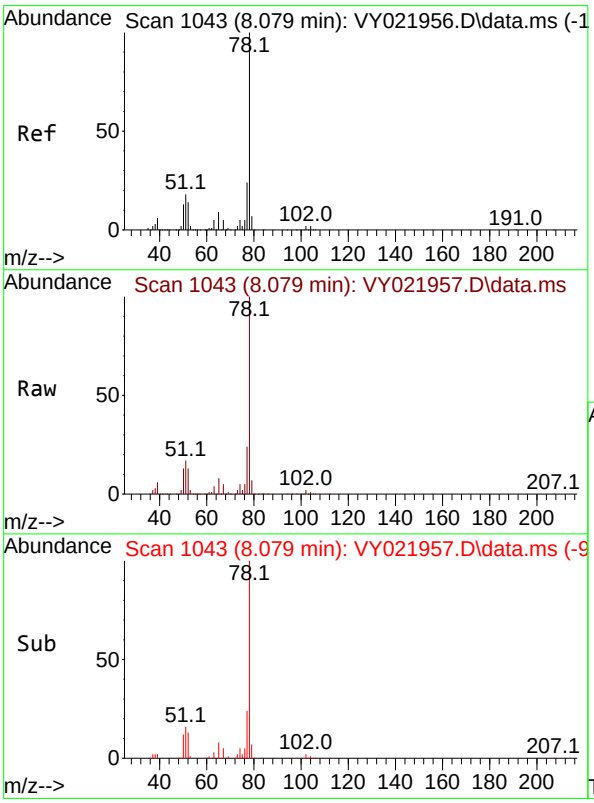
#39
Methylcyclohexane
Concen: 107.388 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 621199

Ion	Ratio	Lower	Upper
83	100		
55	63.7	50.6	75.8
98	50.2	38.6	58.0

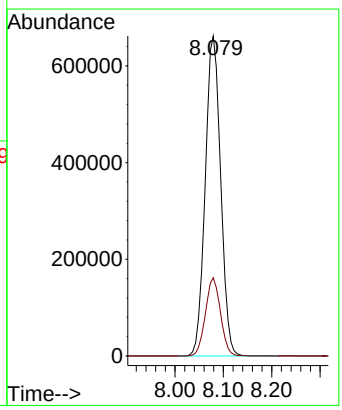


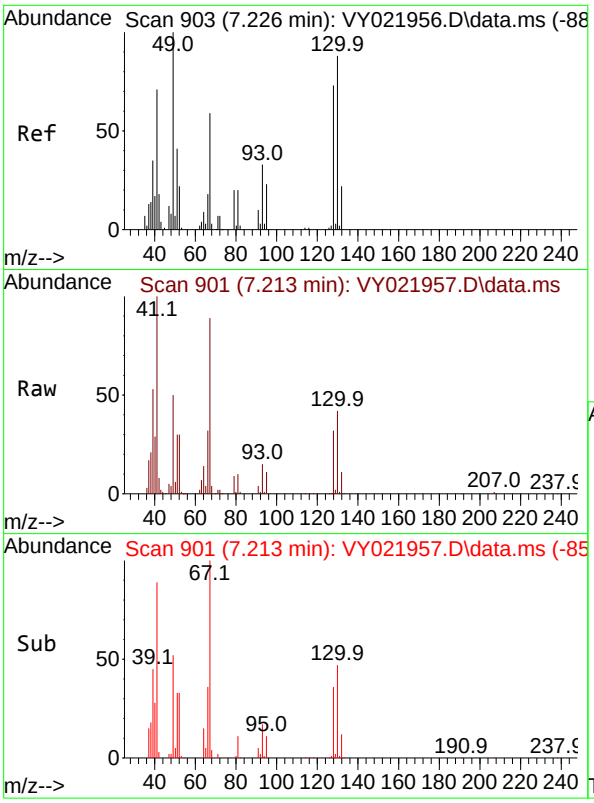


#40
Benzene
Concen: 102.038 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 78 Resp: 1466182

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9



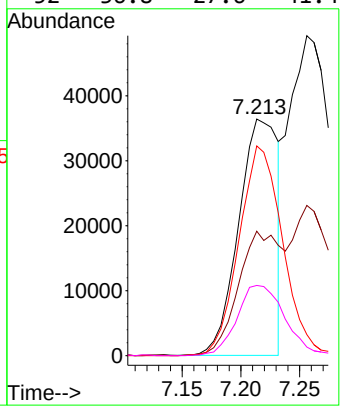


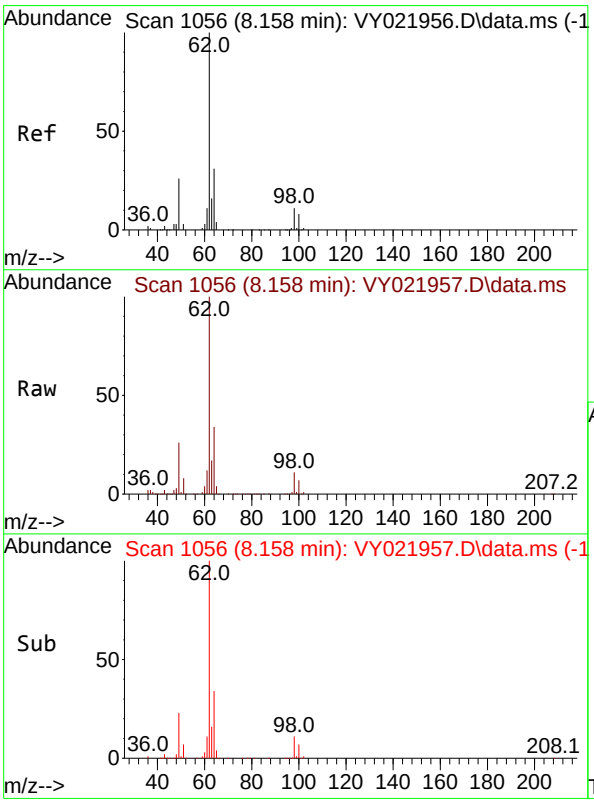
#41
Methacrylonitrile
Concen: 93.624 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 84524

Ion	Ratio	Lower	Upper
41	100		
39	59.6	36.6	55.0#
67	99.3	72.2	108.4
52	36.8	27.6	41.4

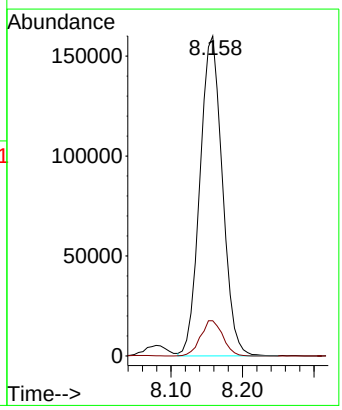


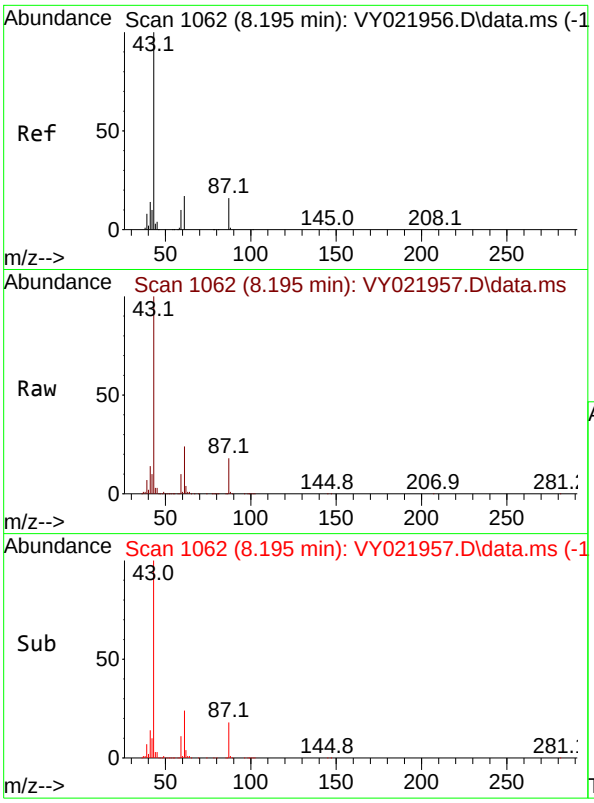


#42
1,2-Dichloroethane
Concen: 97.908 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 62 Resp: 348314

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.0



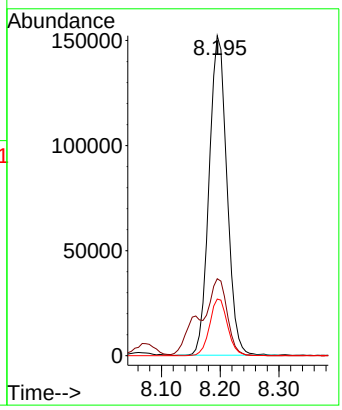


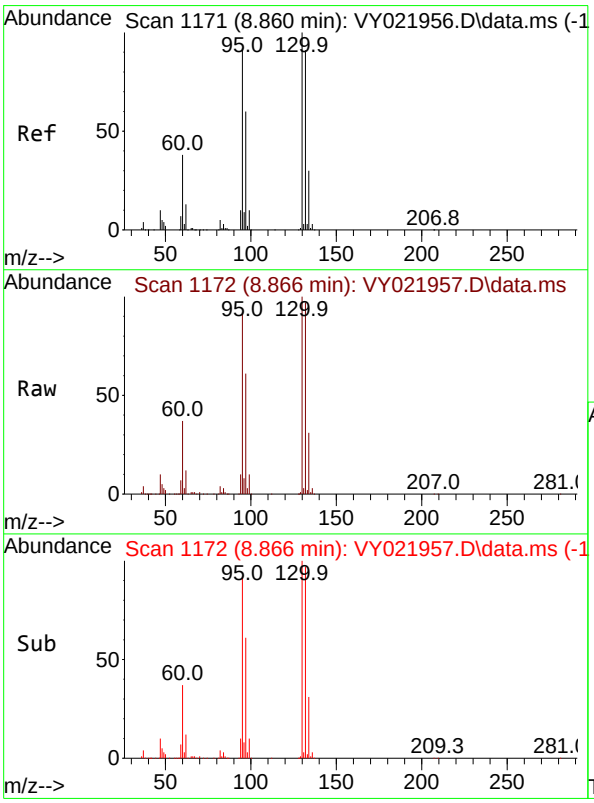
#43
Isopropyl Acetate
Concen: 100.828 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 319666

Ion	Ratio	Lower	Upper
43	100		
61	24.6	18.9	28.3
87	17.8	13.7	20.5

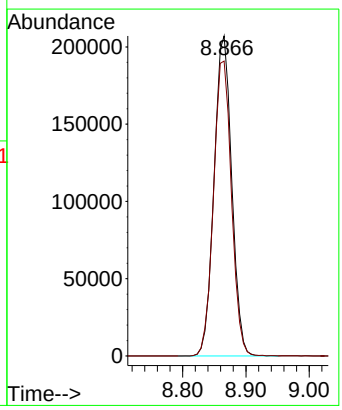


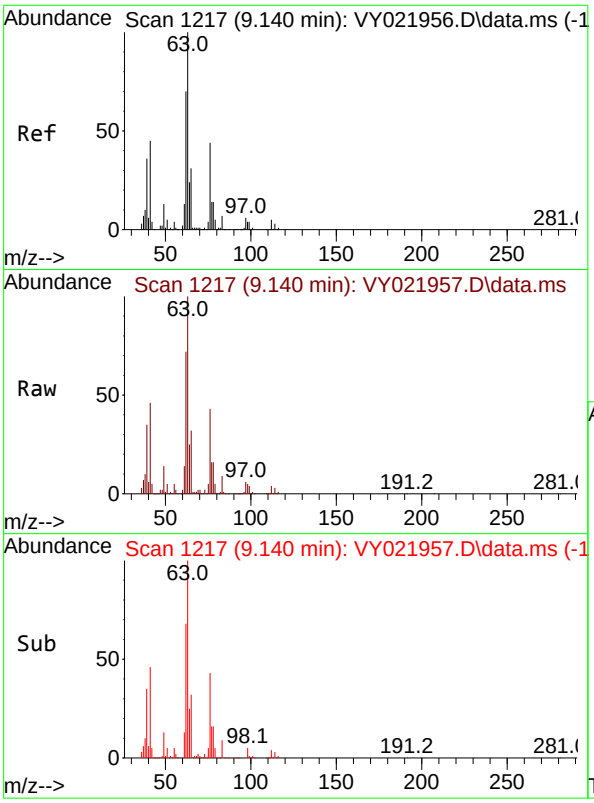


#44
Trichloroethene
Concen: 100.789 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:130 Resp: 401139

Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	183.2



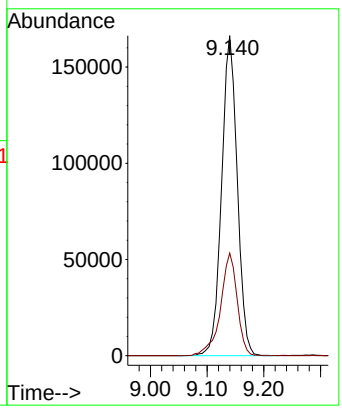


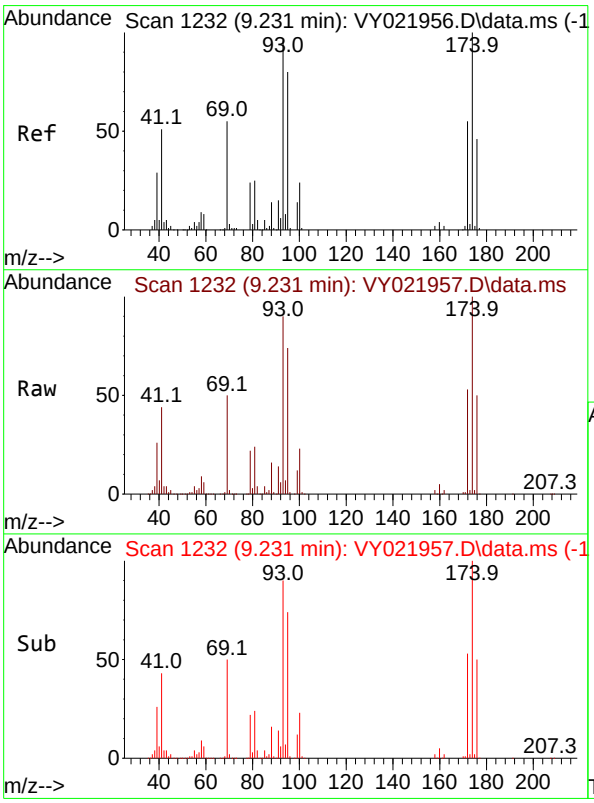
#45
1,2-Dichloropropane
Concen: 100.279 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 318648

Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.2	37.8

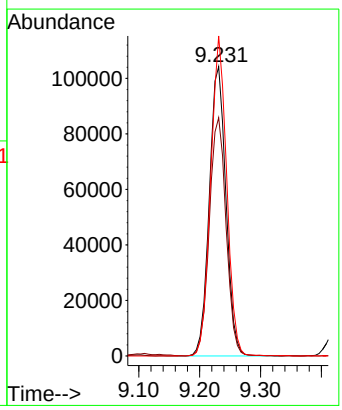


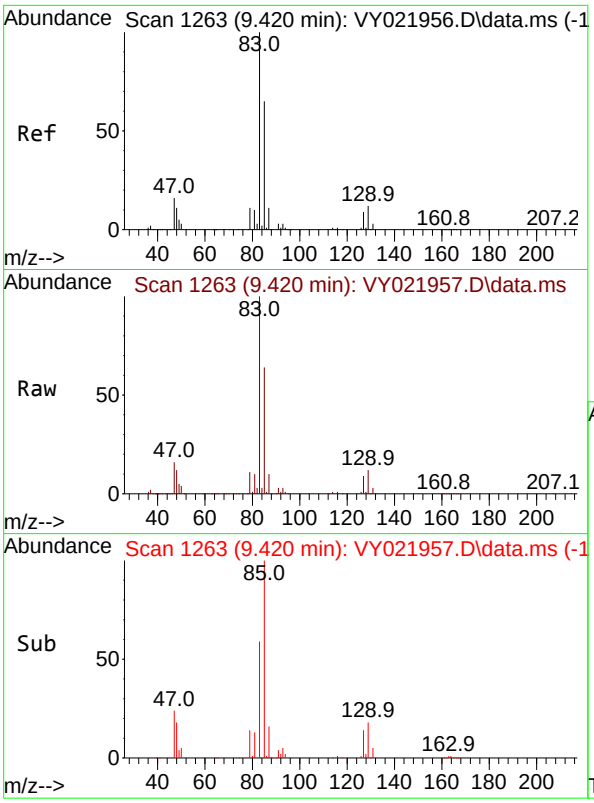


#46
Dibromomethane
Concen: 99.293 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 93 Resp: 197509

Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.7	100.1
174	106.6	84.6	127.0



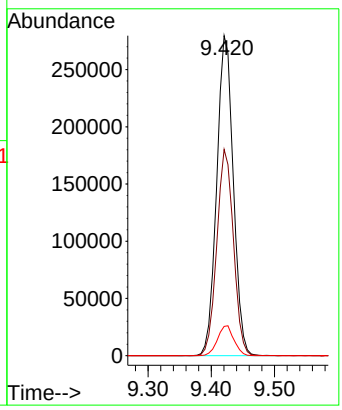


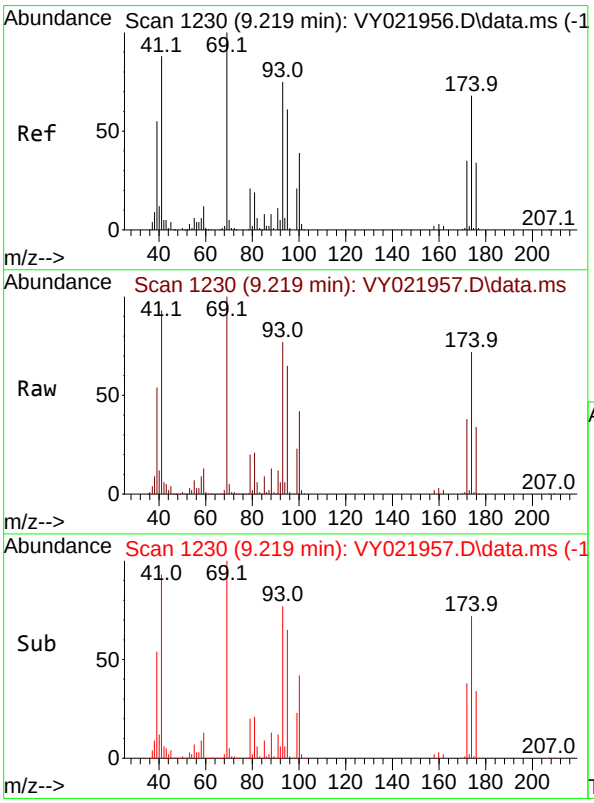
#47
Bromodichloromethane
Concen: 102.188 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 507797

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.2	7.0	10.6

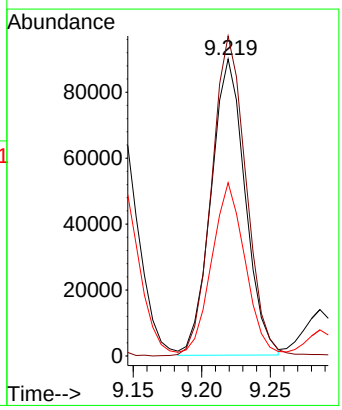


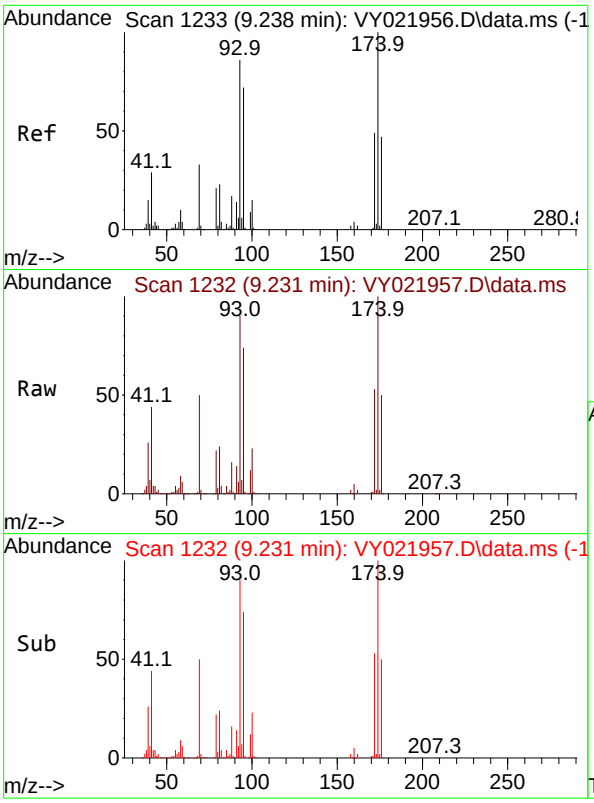


#48
Methyl methacrylate
Concen: 106.117 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 41 Resp: 155528

Ion	Ratio	Lower	Upper
41	100		
69	109.2	85.5	128.3
39	55.1	46.2	69.4



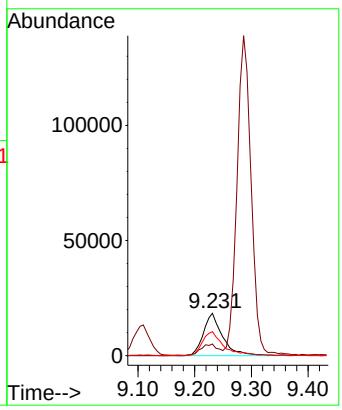


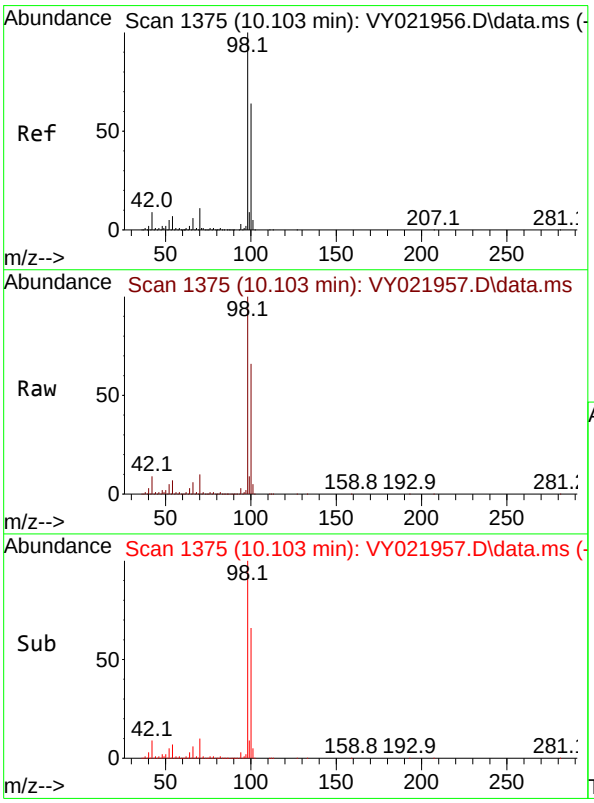
#49
1,4-Dioxane
Concen: 2036.490 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 43176

Ion	Ratio	Lower	Upper
88	100		
43	24.3	21.3	31.9
58	62.9	50.5	75.7

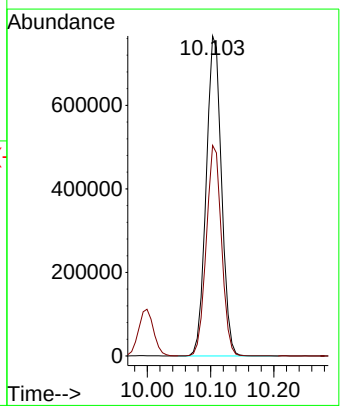


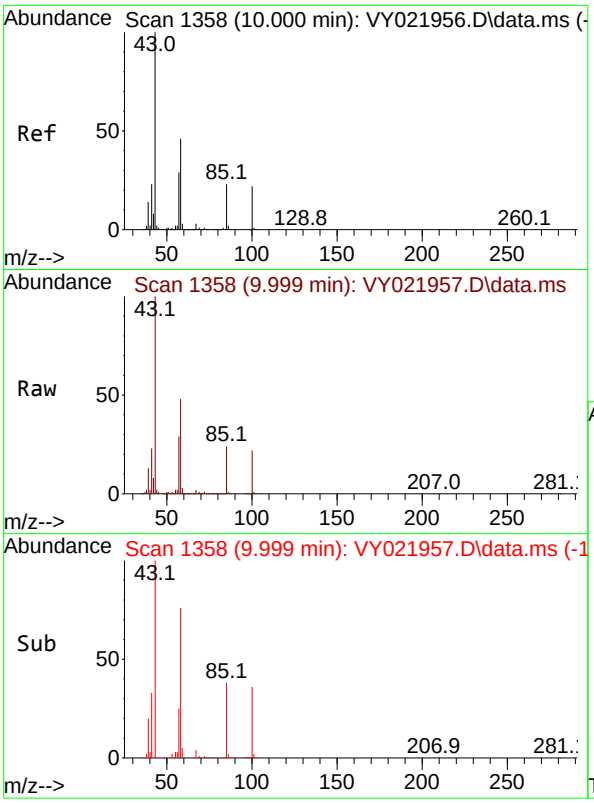


#50
Toluene-d8
Concen: 99.860 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 98 Resp: 1288287

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.6	77.4



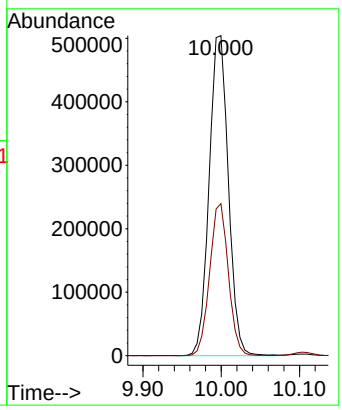


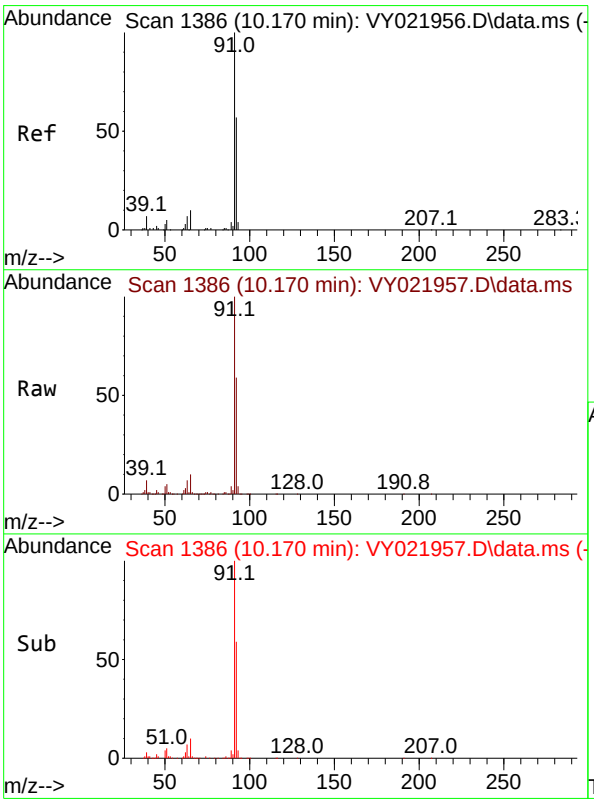
#51
4-Methyl-2-Pentanone
Concen: 517.403 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 859904

Ion	Ratio	Lower	Upper
43	100		
58	46.3	36.6	55.0

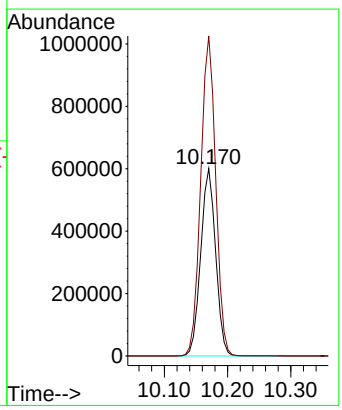


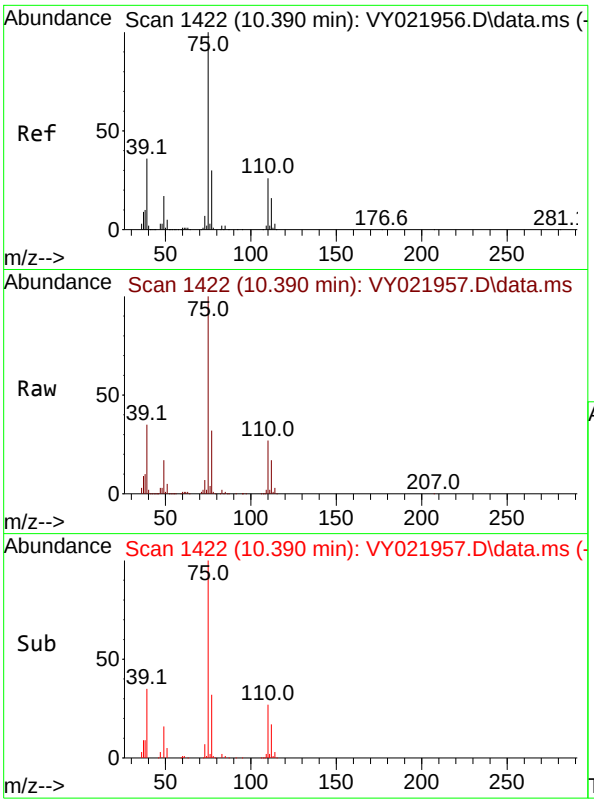


#52
Toluene
Concen: 106.068 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 92 Resp: 986553

Ion	Ratio	Lower	Upper
92	100		
91	171.9	138.6	207.8



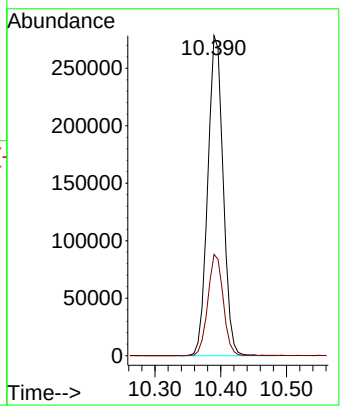


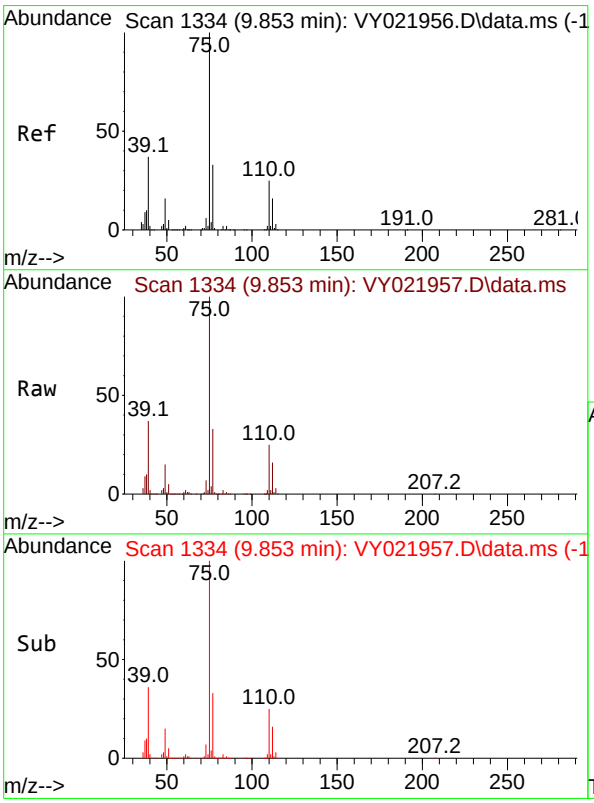
#53
t-1,3-Dichloropropene
Concen: 106.213 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 452714

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.0	36.0

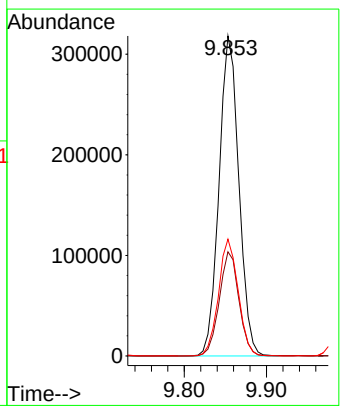


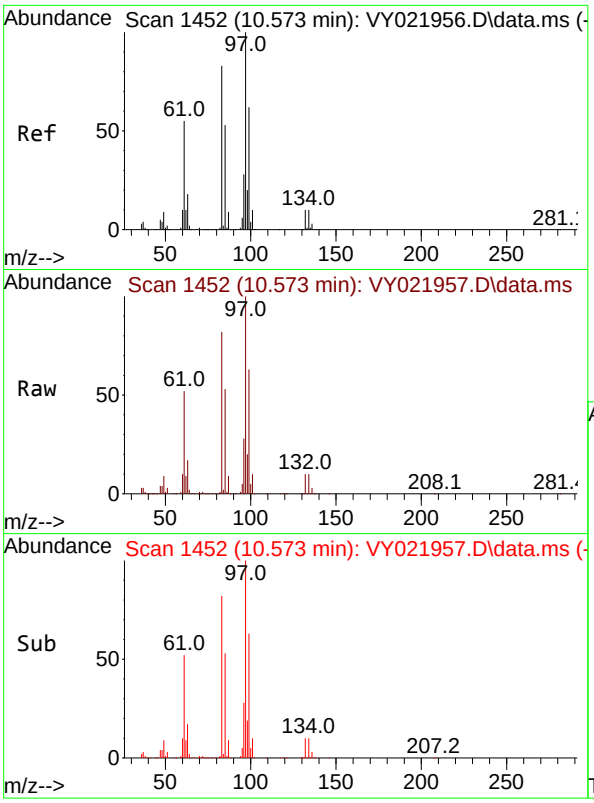


#54
cis-1,3-Dichloropropene
Concen: 105.017 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 532092

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.6	40.0
39	36.5	29.6	44.4



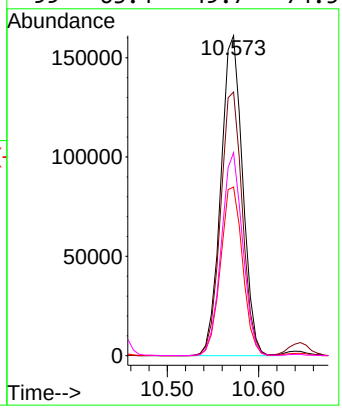


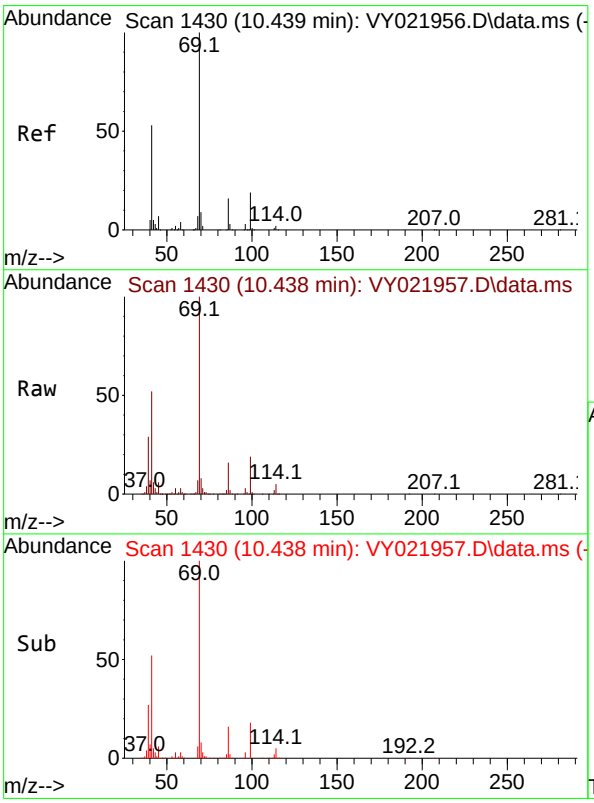
#55
1,1,2-Trichloroethane
Concen: 100.667 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 267477

Ion	Ratio	Lower	Upper
97	100		
83	82.4	66.7	100.1
85	52.7	42.6	64.0
99	63.4	49.7	74.5

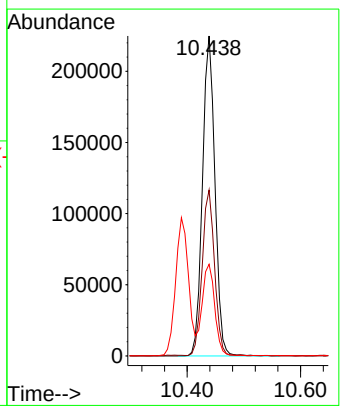


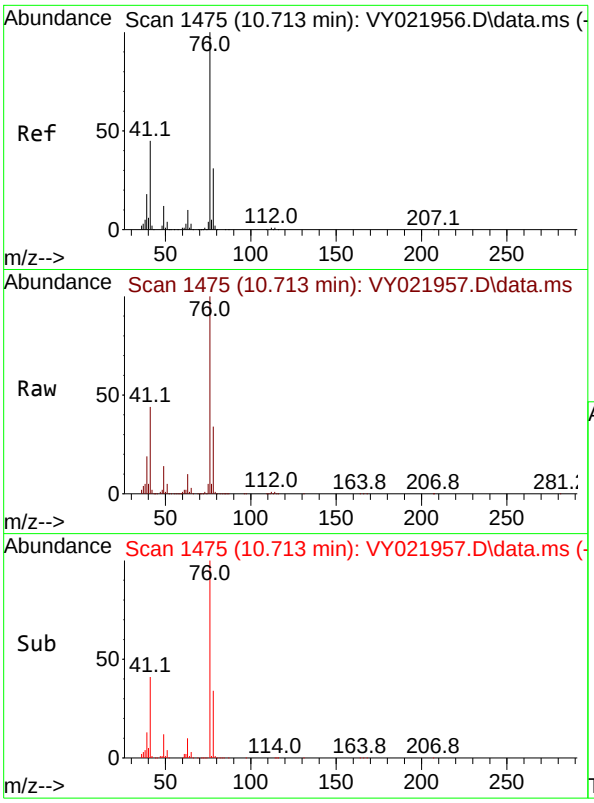


#56
Ethyl methacrylate
Concen: 113.068 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 69 Resp: 343556

Ion	Ratio	Lower	Upper
69	100		
41	51.2	40.7	61.1
39	28.9	23.3	34.9



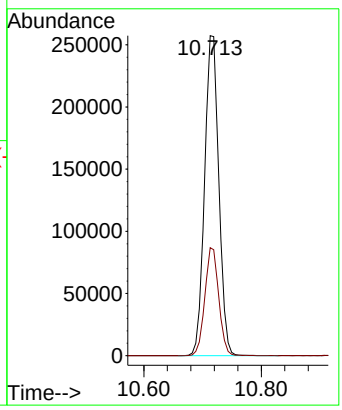


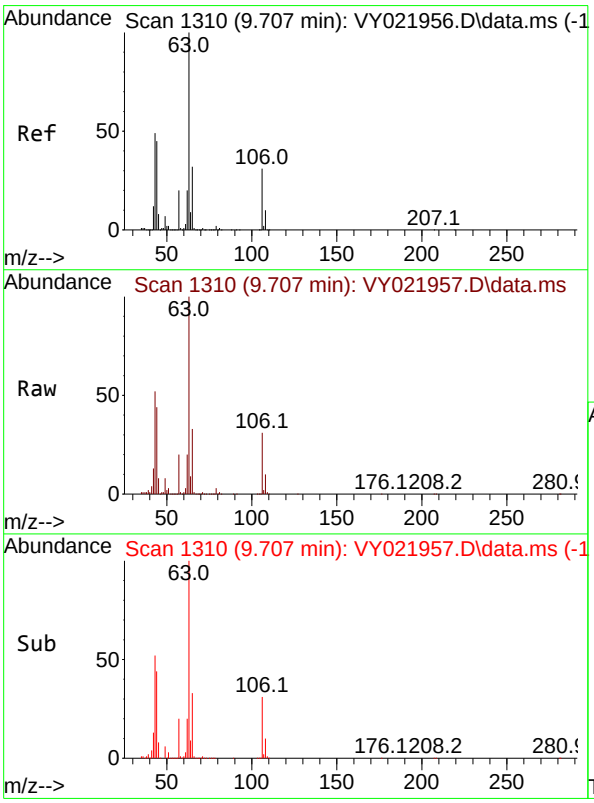
#57
1,3-Dichloropropane
Concen: 101.498 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 432340

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.6	39.8

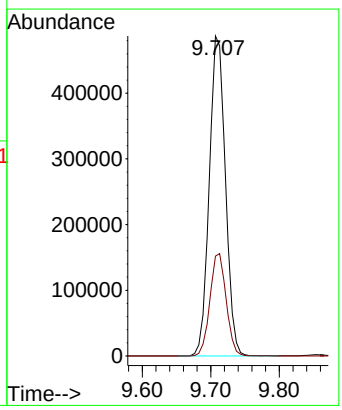


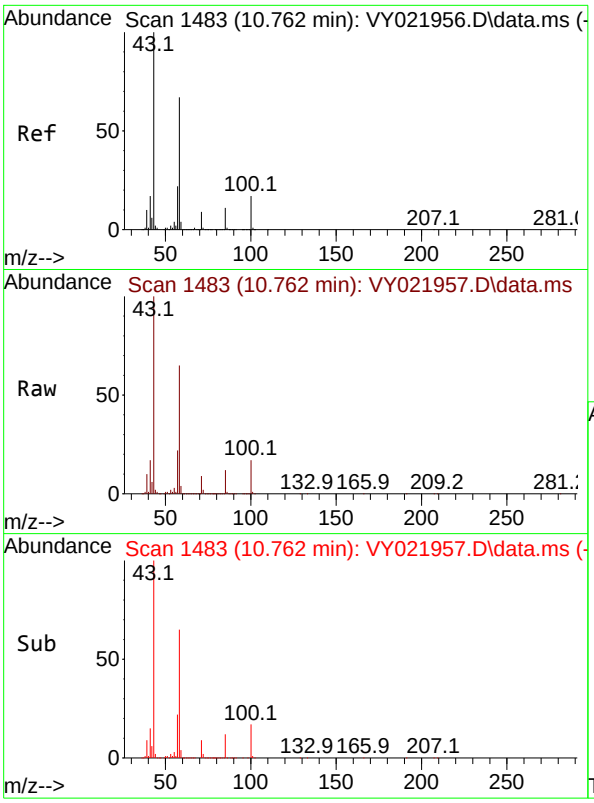


#58
2-Chloroethyl Vinyl ether
Concen: 536.469 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 63 Resp: 796991

Ion	Ratio	Lower	Upper
63	100		
106	32.1	25.3	37.9



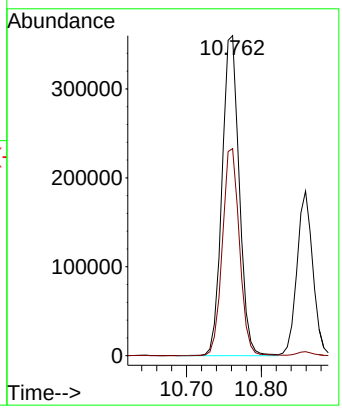


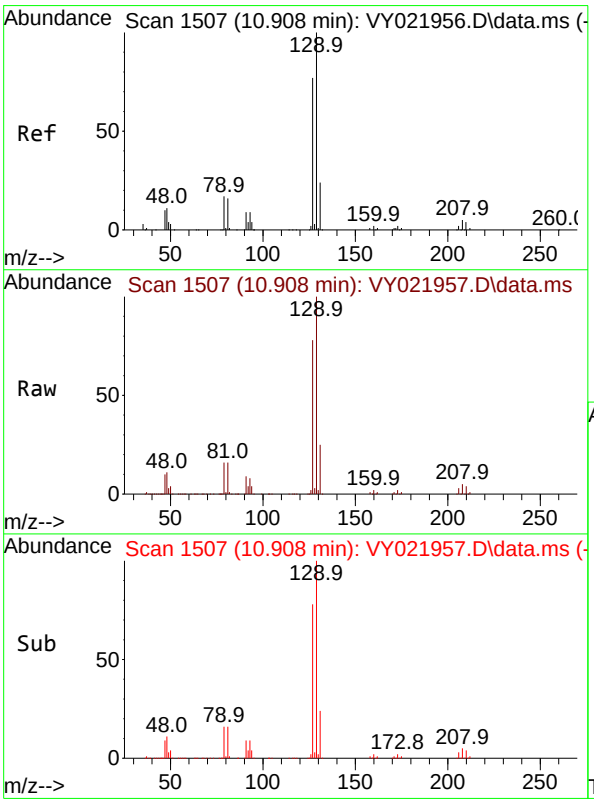
#59
2-Hexanone
Concen: 523.558 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 573925

Ion	Ratio	Lower	Upper
43	100		
58	64.5	32.0	96.0

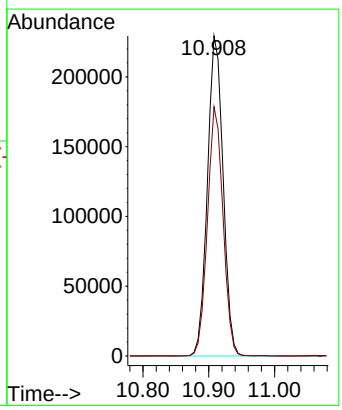


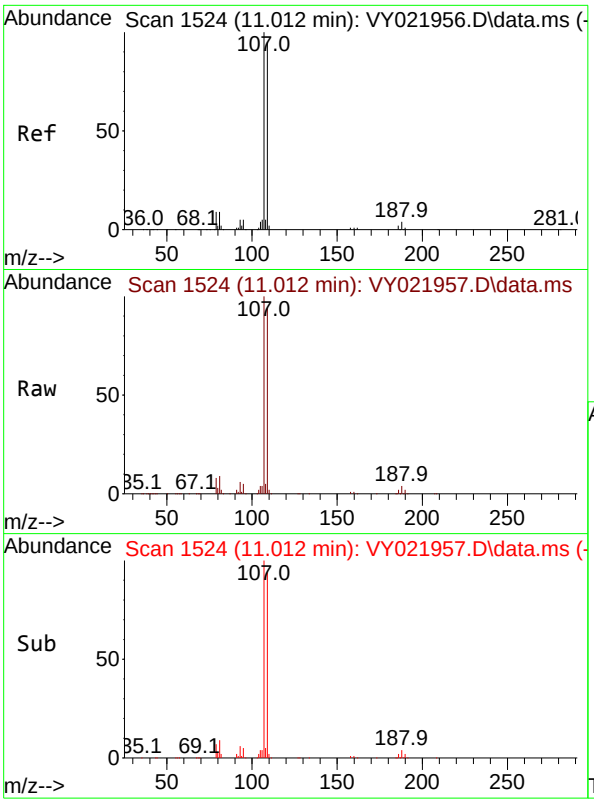


#60
Dibromochloromethane
Concen: 103.302 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:129 Resp: 380014

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.3





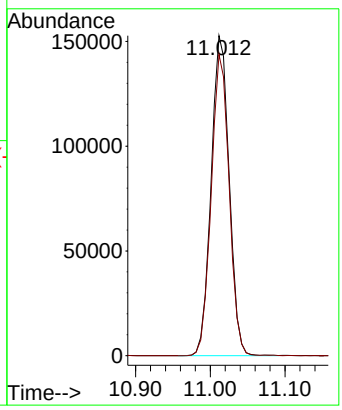
#61
1,2-Dibromoethane
Concen: 102.087 ug/l
RT: 11.012 min Scan# 1

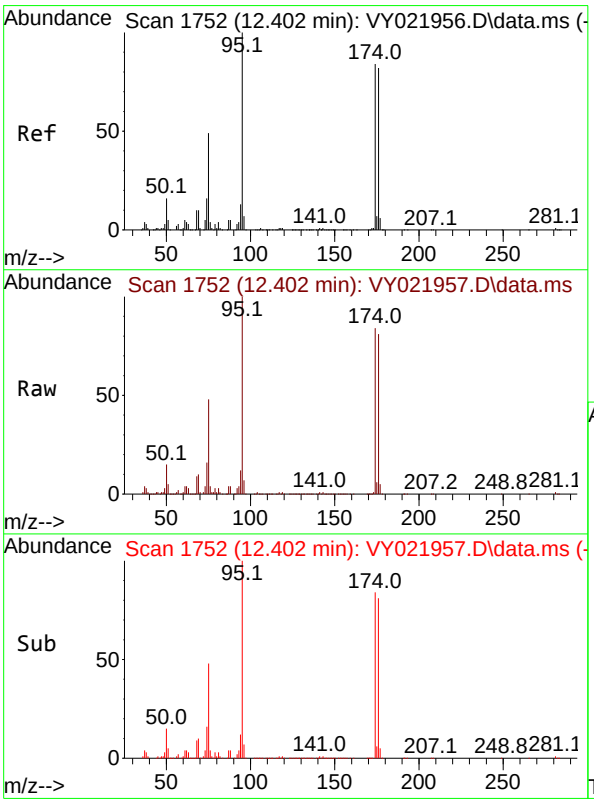
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:107 Resp: 256079

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

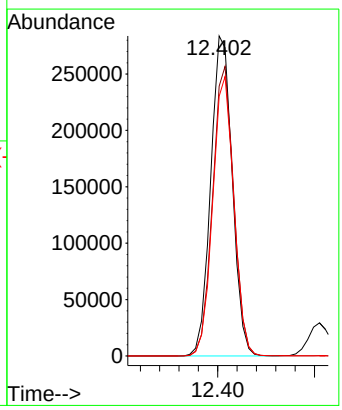


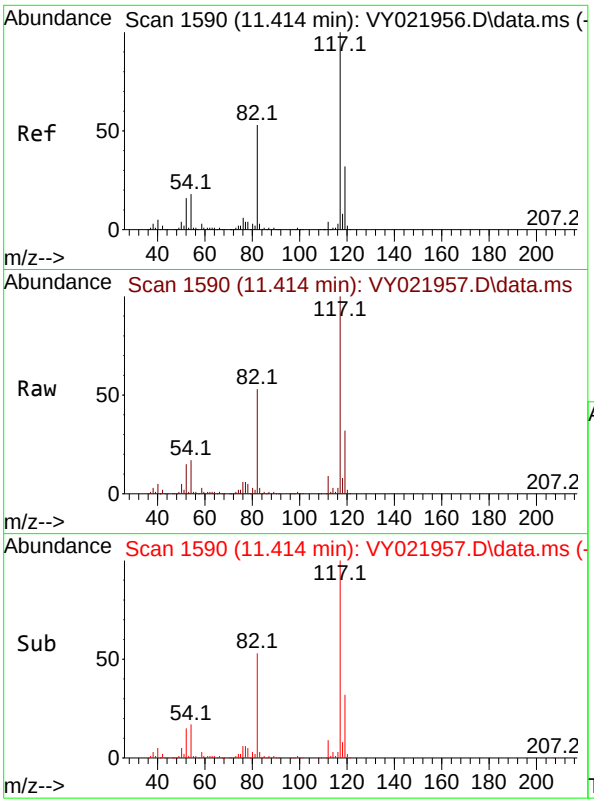


#62
4-Bromofluorobenzene
Concen: 100.832 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 95 Resp: 437911

Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	179.0
176	85.8	0.0	171.8



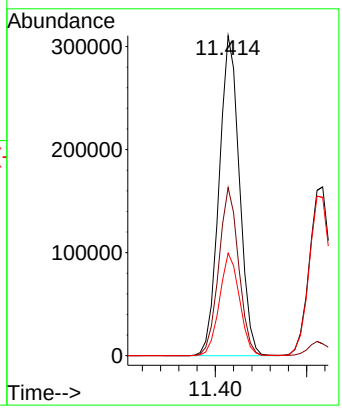


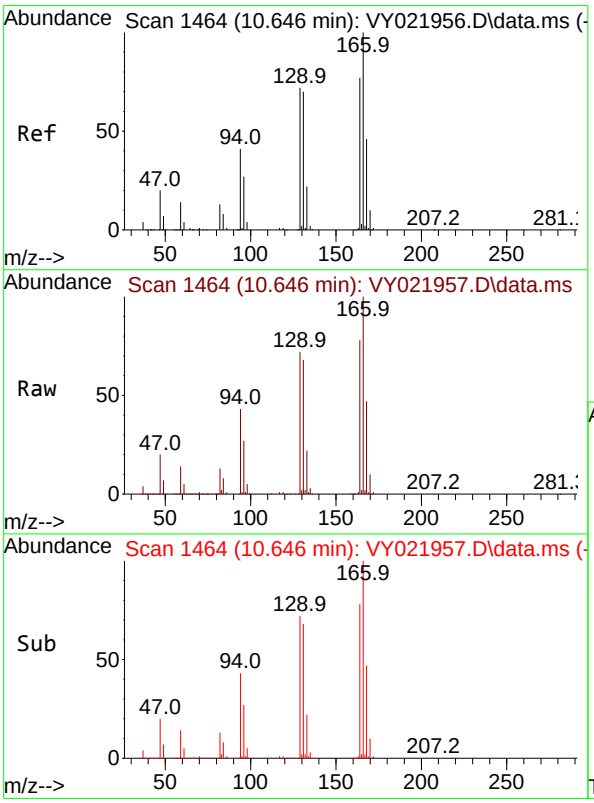
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 479774

Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.1	63.1
119	32.1	25.7	38.5

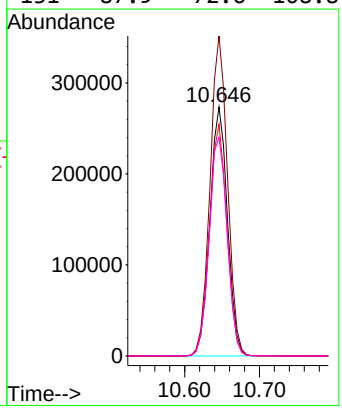


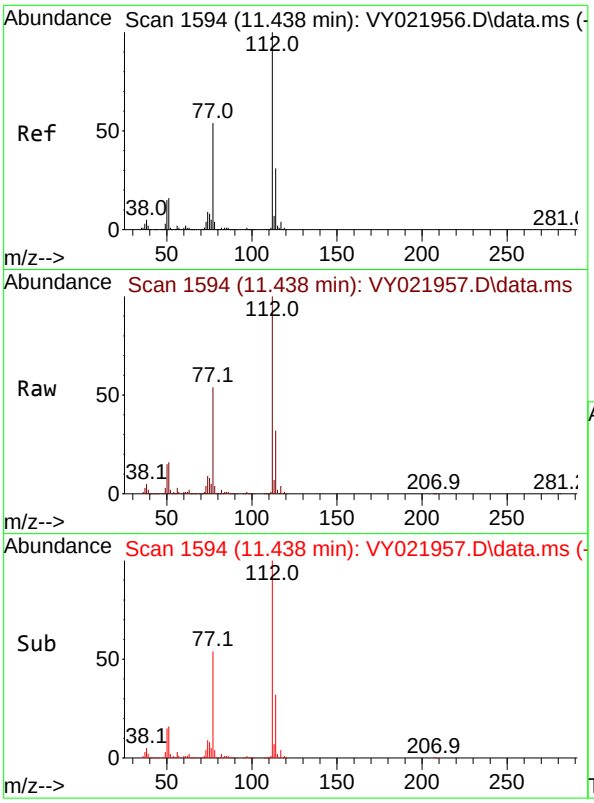


#64
Tetrachloroethene
Concen: 98.761 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:164 Resp: 446995

Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.6	155.4
129	93.1	74.2	111.4
131	87.9	72.6	108.8



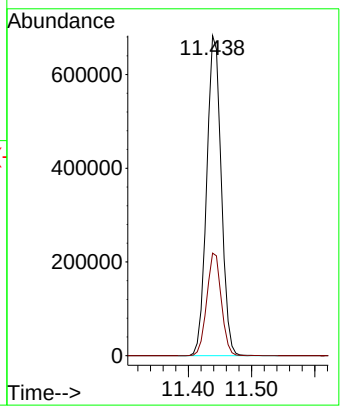


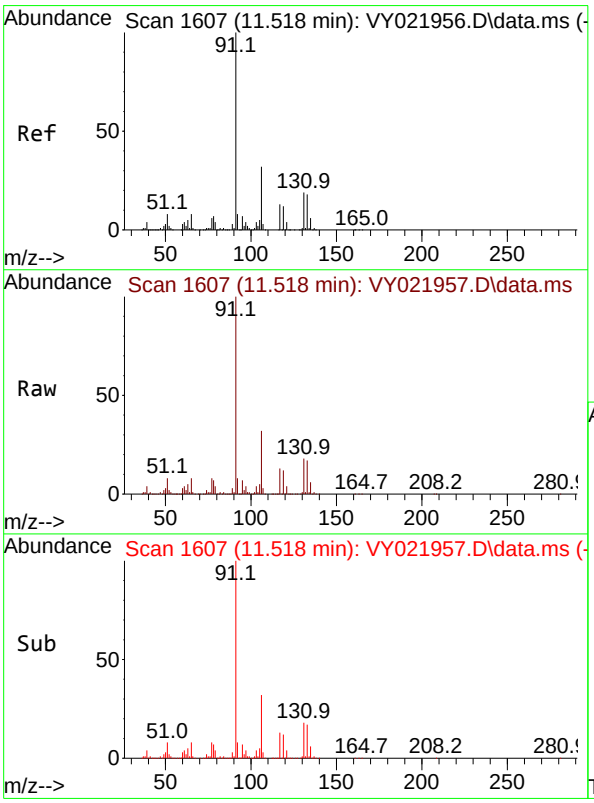
#65
Chlorobenzene
Concen: 101.831 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 1092542

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.4

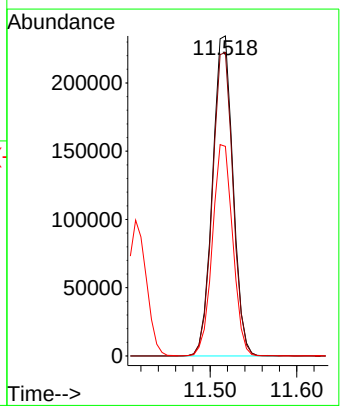


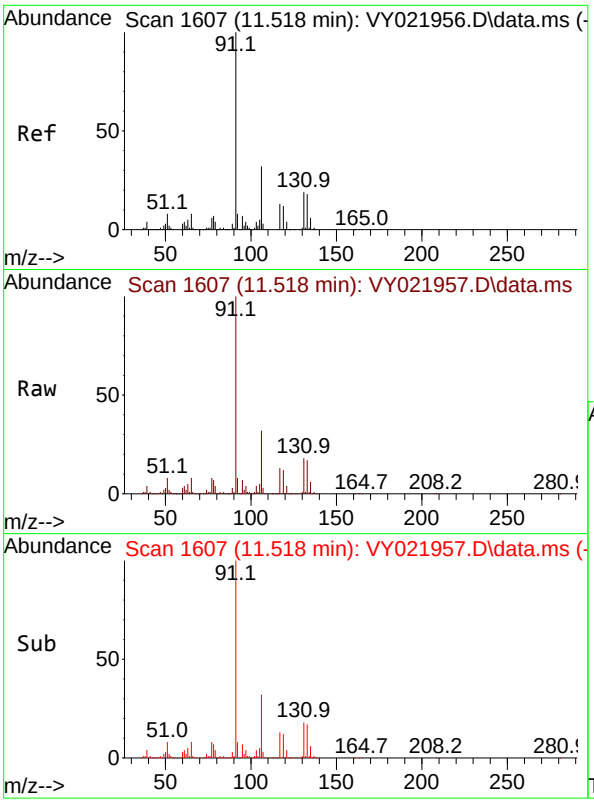


#66
1,1,1,2-Tetrachloroethane
Concen: 101.907 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:131 Resp: 384924

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.8	143.3
119	65.6	32.4	97.0



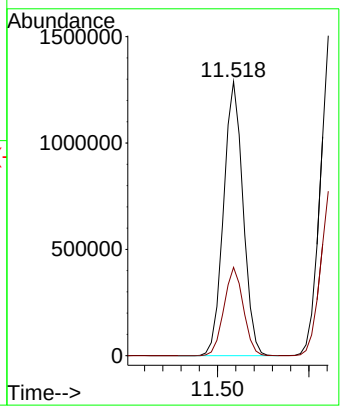


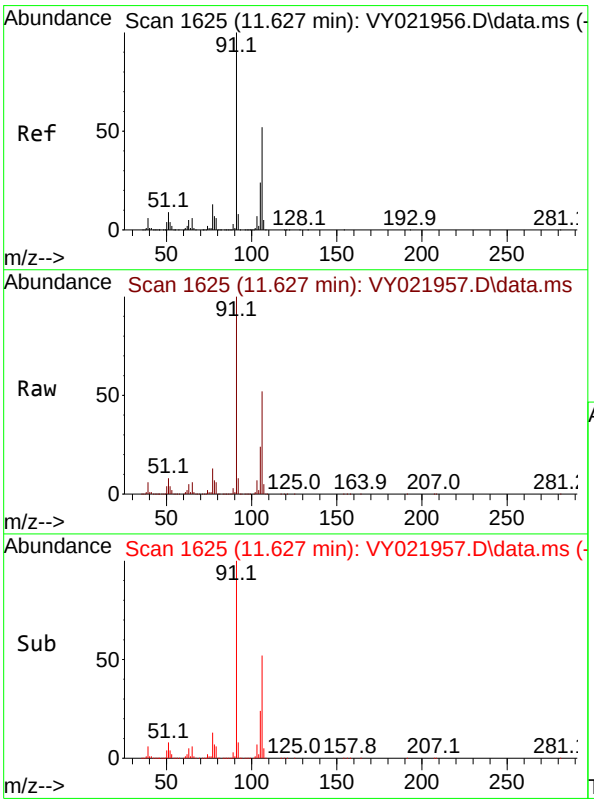
#67
Ethyl Benzene
Concen: 108.806 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1909638

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

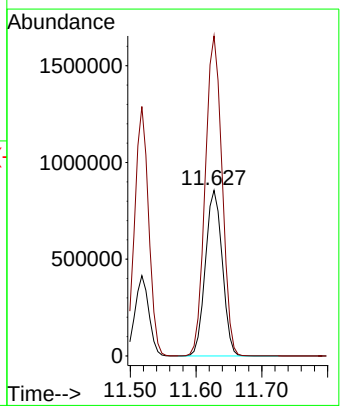


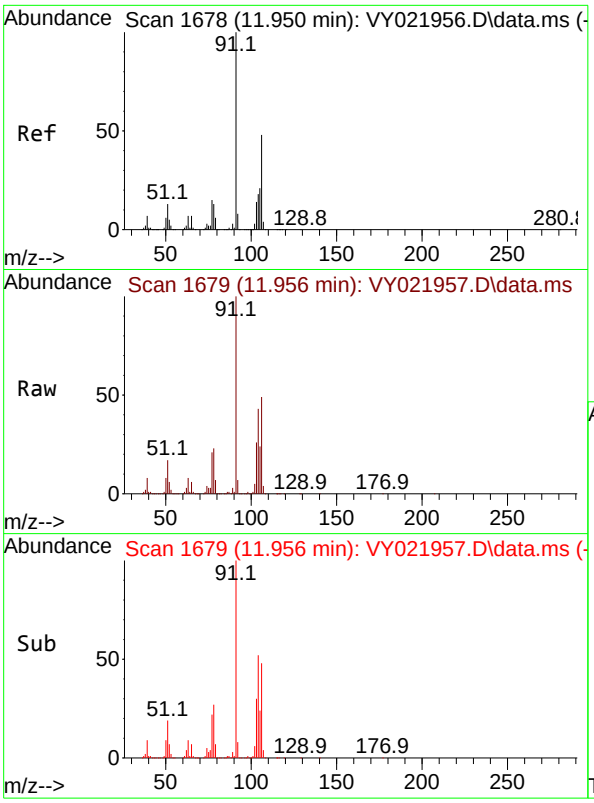


#68
m/p-Xylenes
Concen: 218.926 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:106 Resp: 1528954

Ion	Ratio	Lower	Upper
106	100		
91	192.6	156.2	234.2



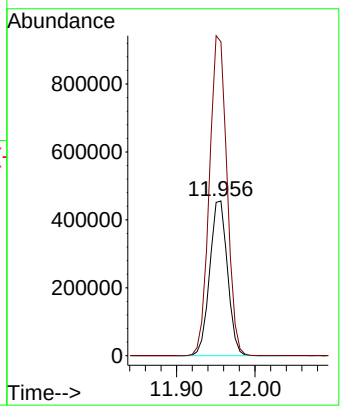


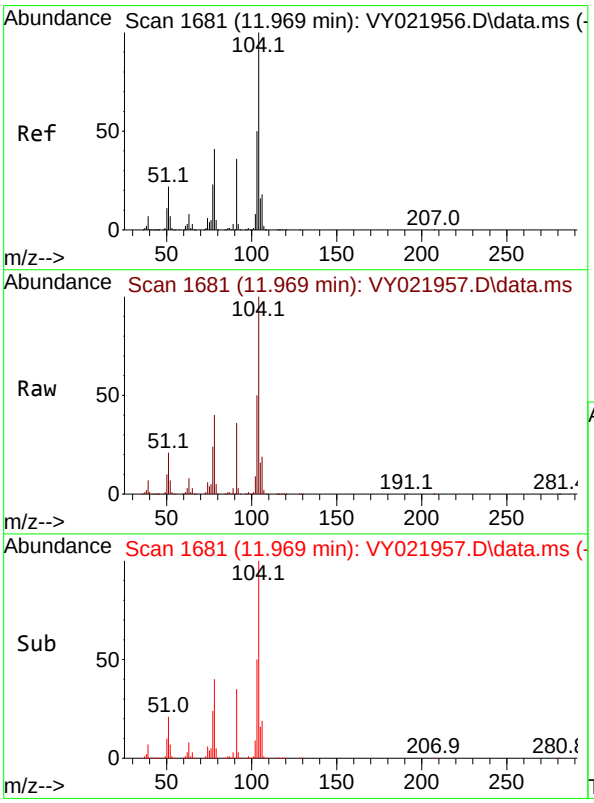
#69
o-Xylene
Concen: 111.334 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 716652

Ion	Ratio	Lower	Upper
106	100		
91	204.4	103.0	308.9

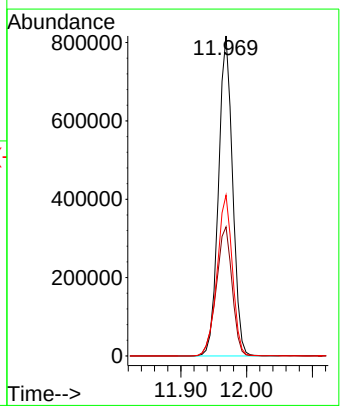


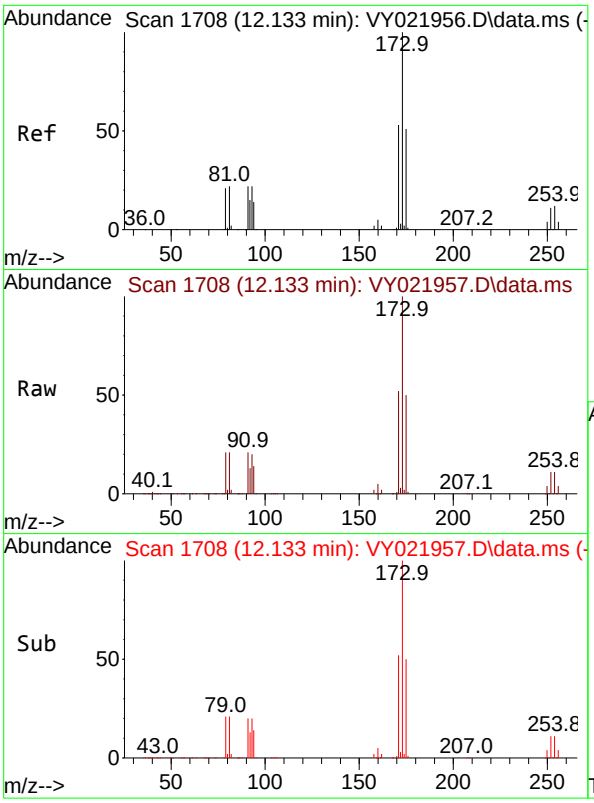


#70
Styrene
Concen: 112.940 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:104 Resp: 1220634

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.6	54.8
103	54.4	43.8	65.8



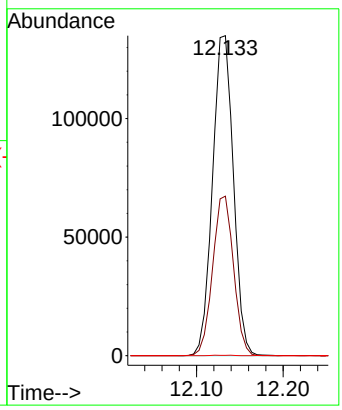


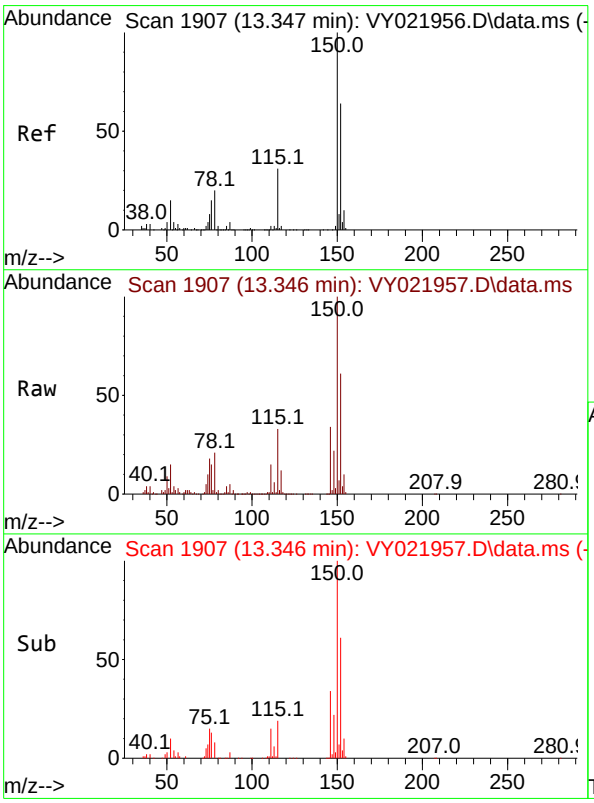
#71
Bromoform
Concen: 102.945 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 226072

Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.8
254	0.1	0.0	0.0#

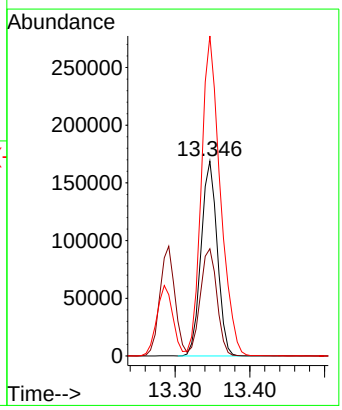


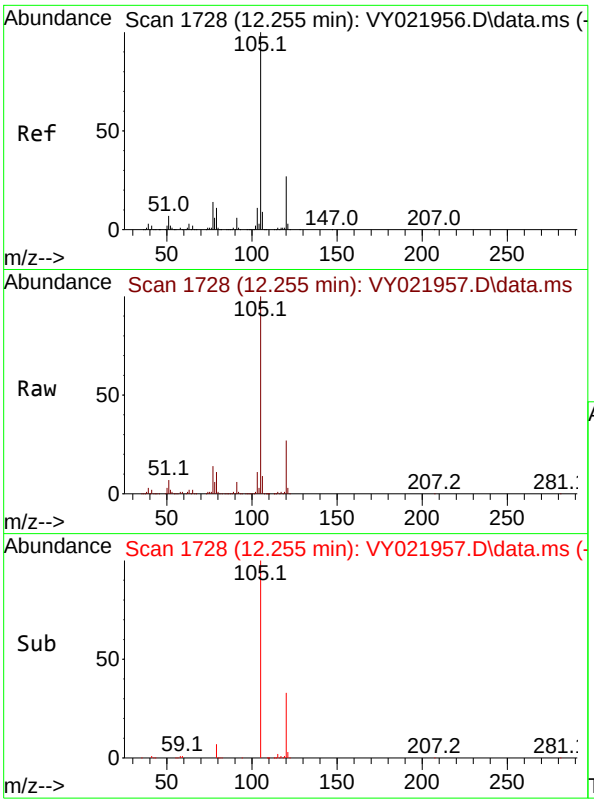


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:152 Resp: 253936

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	192.4	0.0	345.6



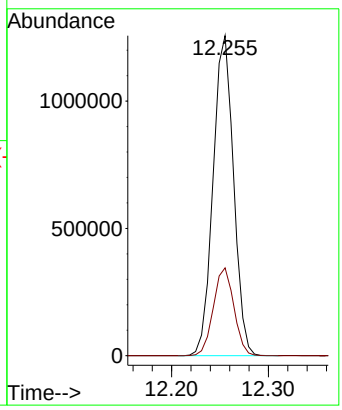


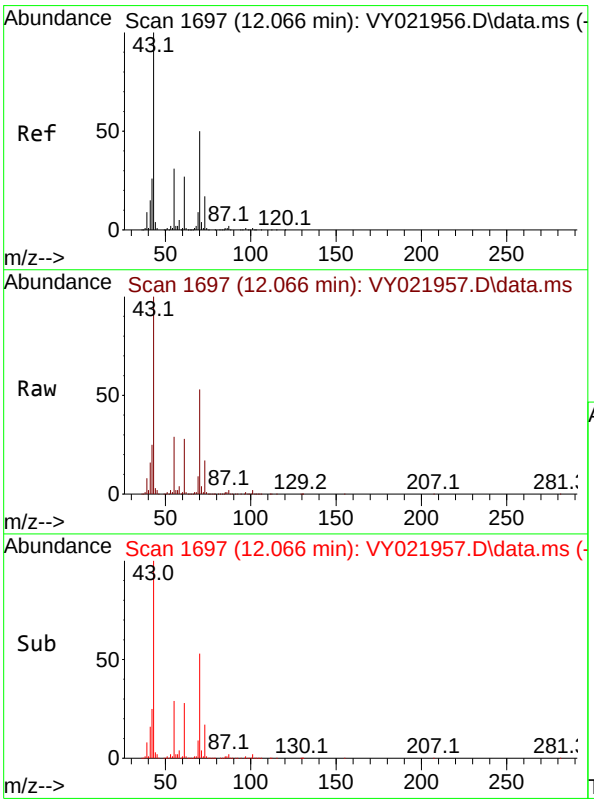
#73
Isopropylbenzene
Concen: 108.944 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1848306

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5

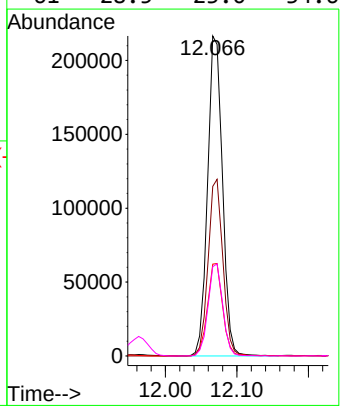


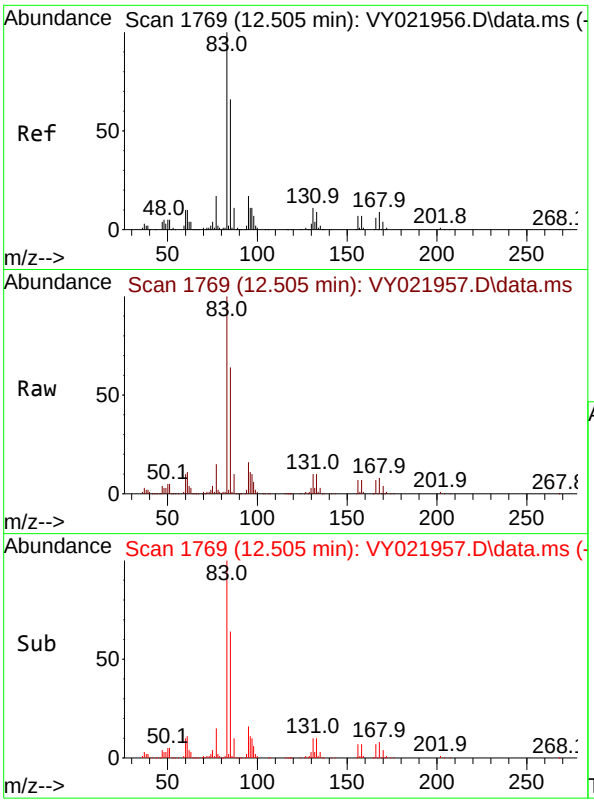


#74
N-amyl acetate
Concen: 107.236 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 43 Resp: 312577

Ion	Ratio	Lower	Upper
43	100		
70	55.0	43.2	64.8
55	29.7	25.7	38.5
61	28.5	23.0	34.6



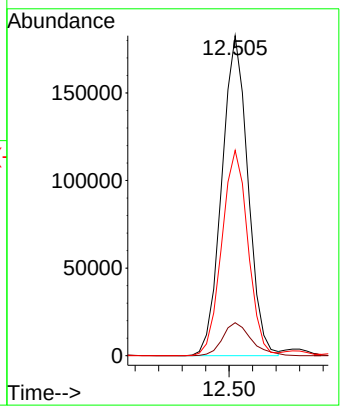


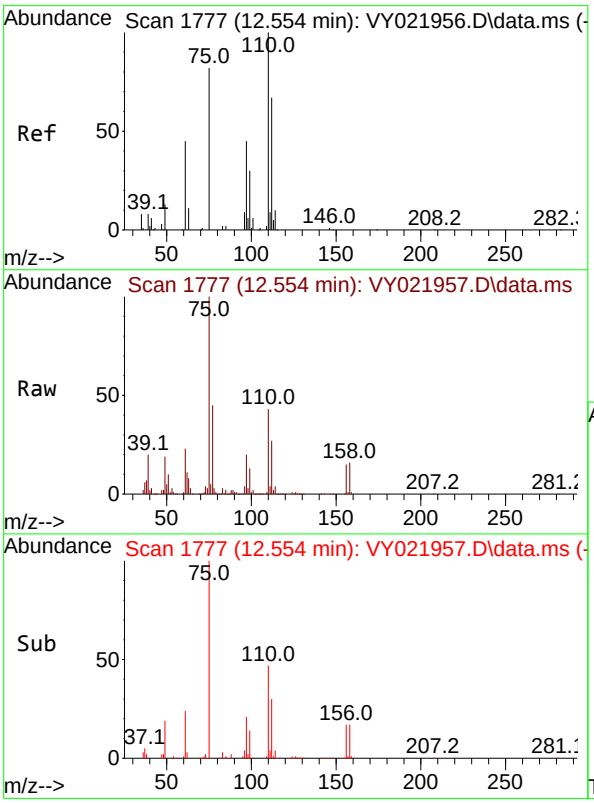
#75
1,1,2,2-Tetrachloroethane
Concen: 98.509 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 281769

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.3	32.3	96.8

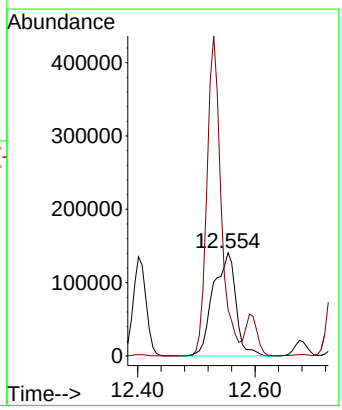


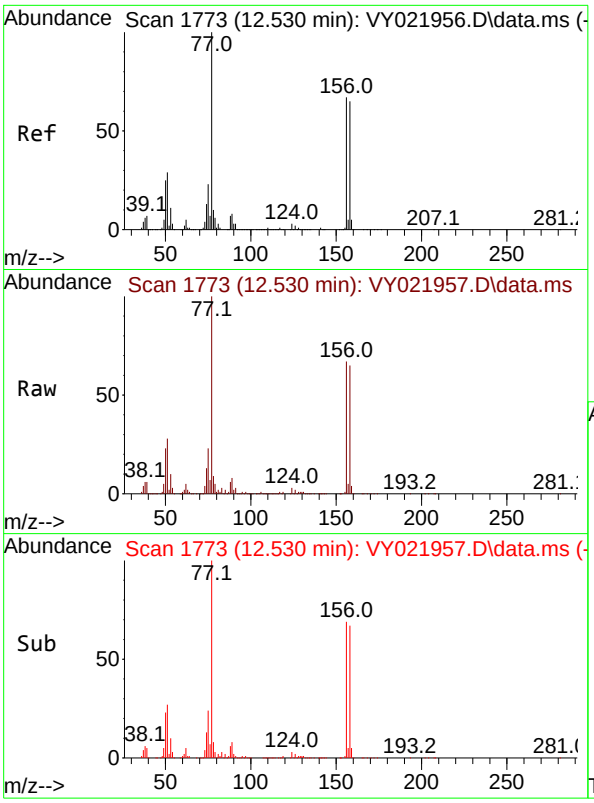


#76
1,2,3-Trichloropropane
Concen: 167.670 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 375170

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



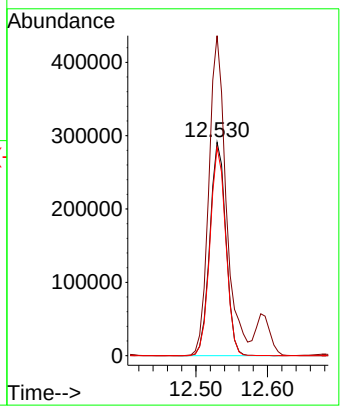


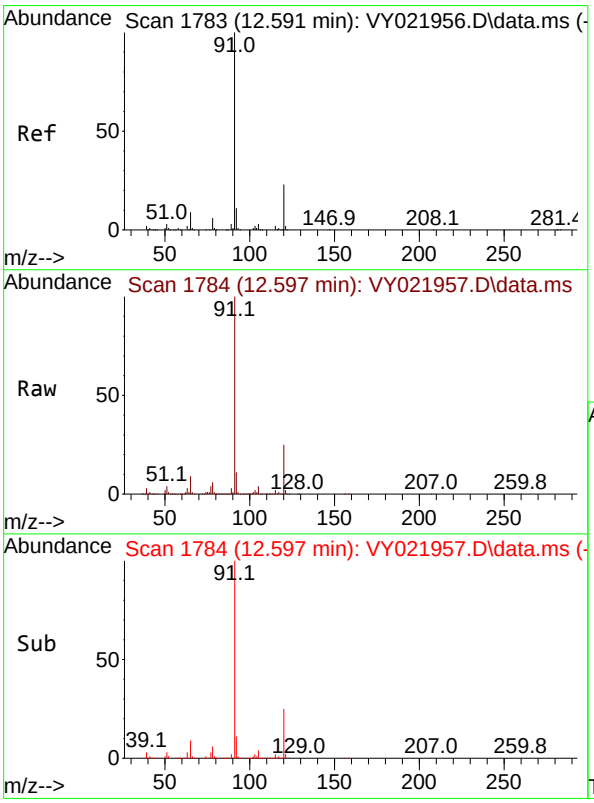
#77
Bromobenzene
Concen: 105.415 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 451913

Ion	Ratio	Lower	Upper
156	100		
77	161.7	82.7	248.1
158	96.5	48.1	144.4

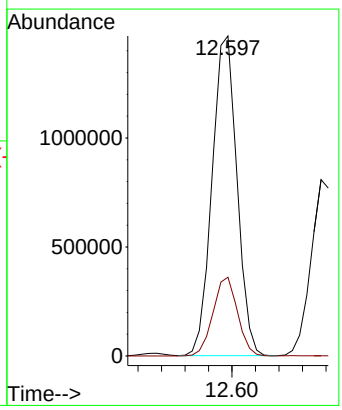


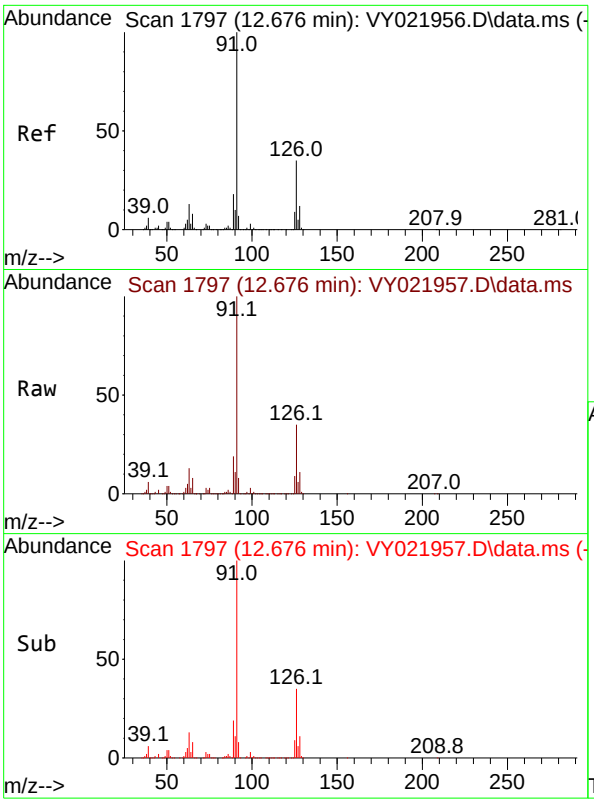


#78
n-propylbenzene
Concen: 107.039 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 2162620

Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.5



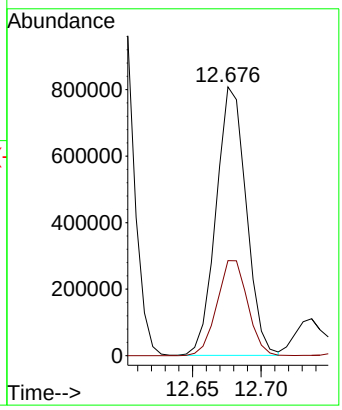


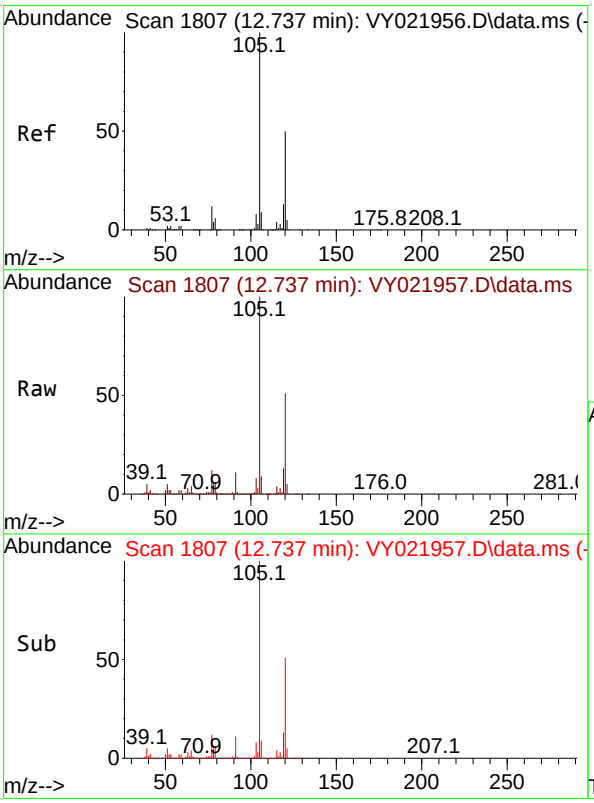
#79
2-Chlorotoluene
Concen: 105.231 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1236457

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8

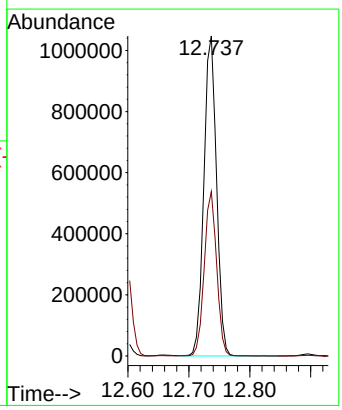


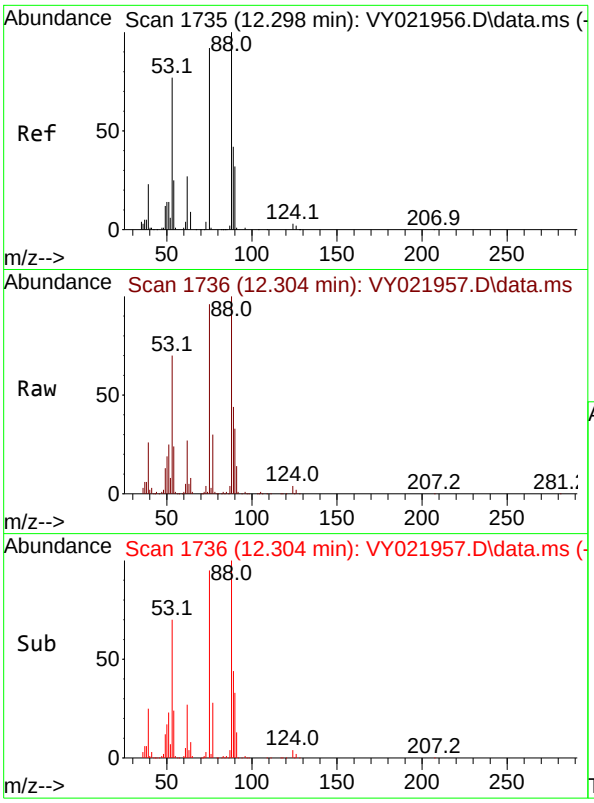


#80
1,3,5-Trimethylbenzene
Concen: 108.183 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 1512269

Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.0	75.0



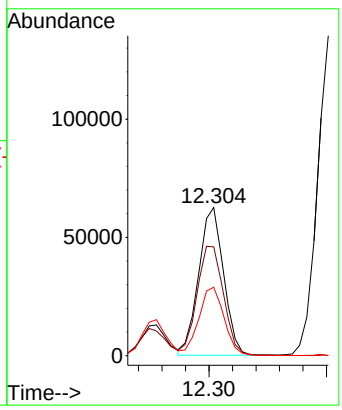


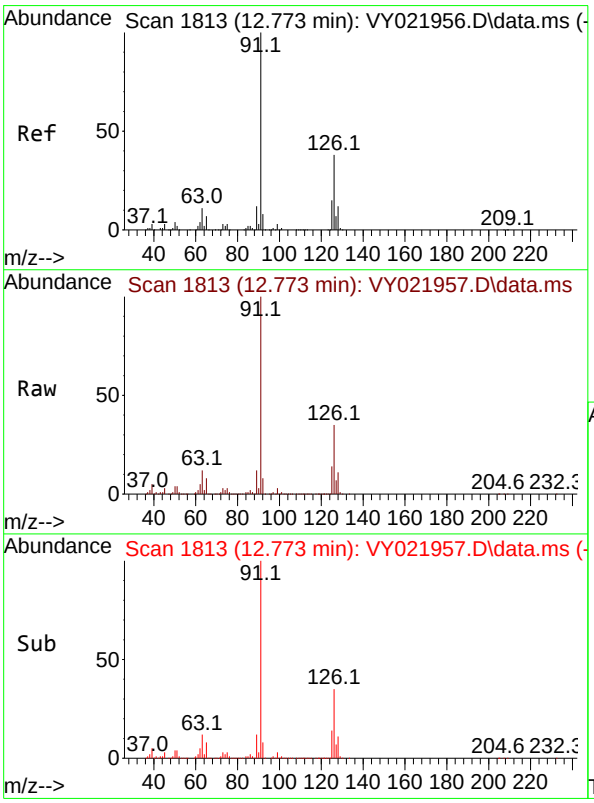
#81
trans-1,4-Dichloro-2-butene
Concen: 101.673 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 91833

Ion	Ratio	Lower	Upper
75	100		
53	79.2	66.0	99.0
89	47.2	37.2	55.8

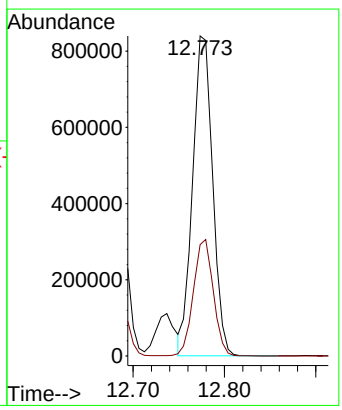


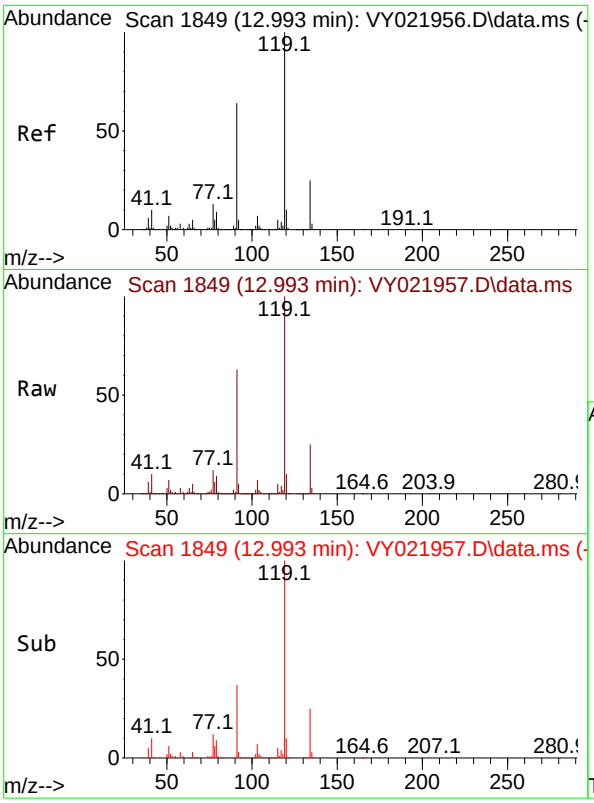


#82
4-Chlorotoluene
Concen: 104.825 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 91 Resp: 1280377

Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.8



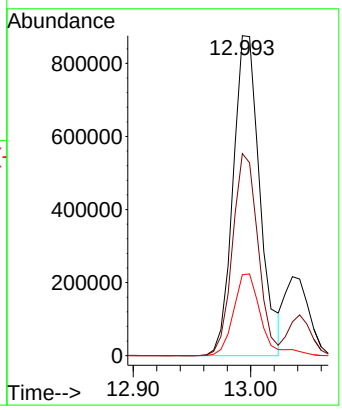


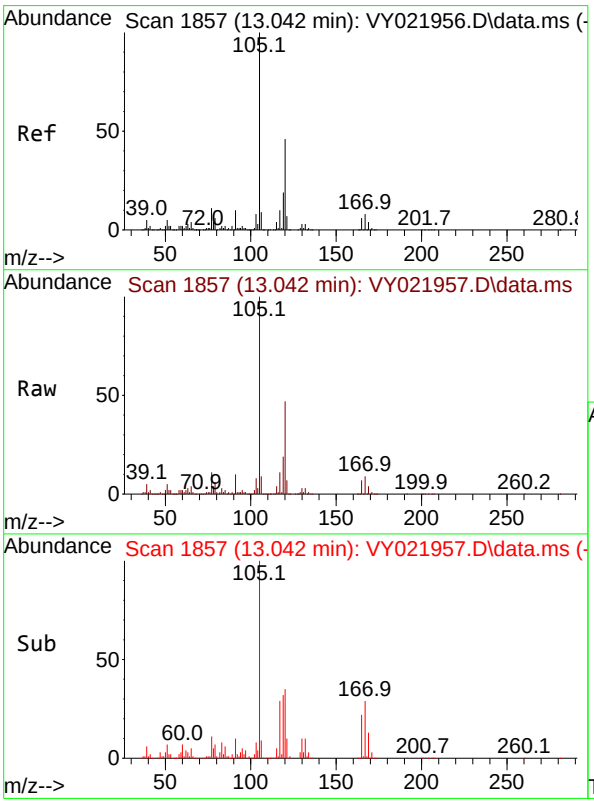
#83
tert-Butylbenzene
Concen: 110.389 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 1383923

Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.3	90.9
134	26.3	12.9	38.7

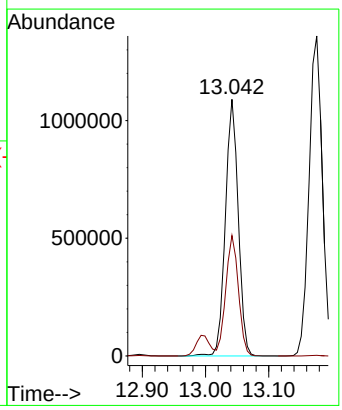


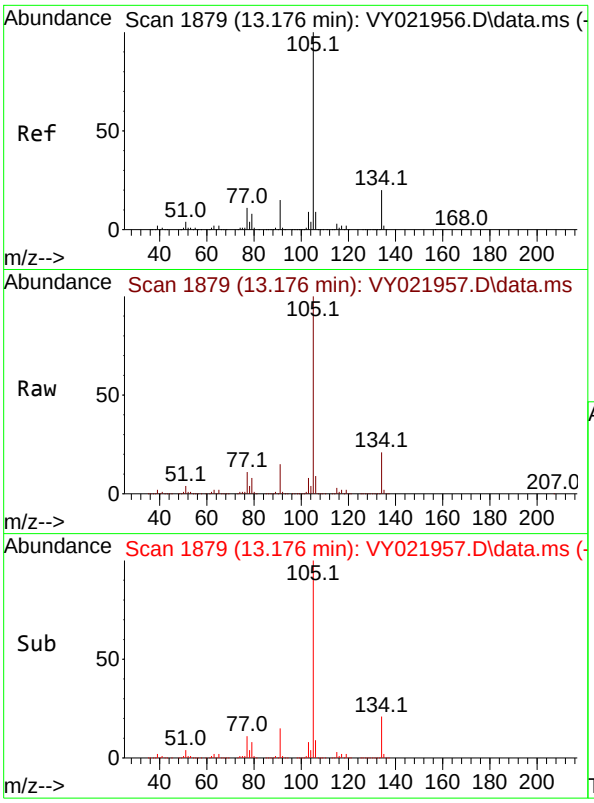


#84
1,2,4-Trimethylbenzene
Concen: 109.940 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:105 Resp: 1537175

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.0



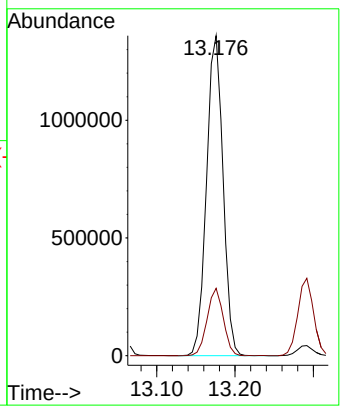


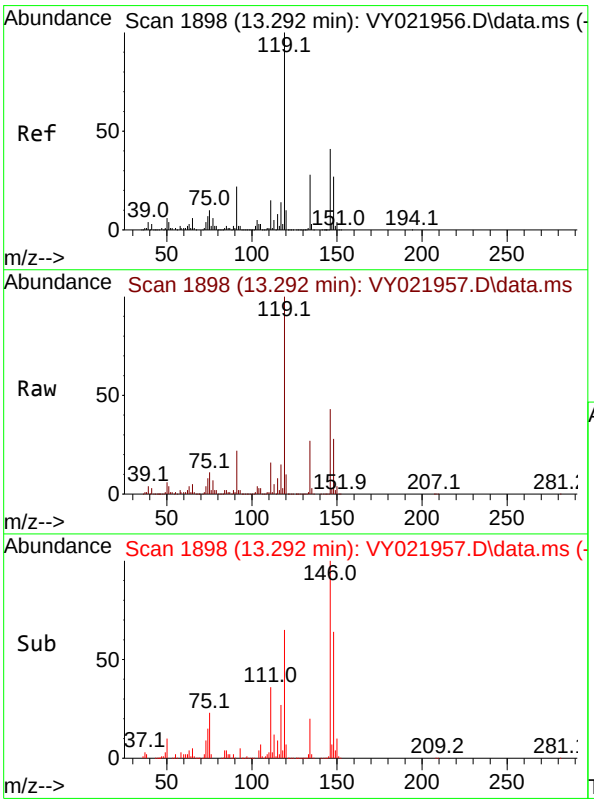
#85
sec-Butylbenzene
Concen: 107.920 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1979821

Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9

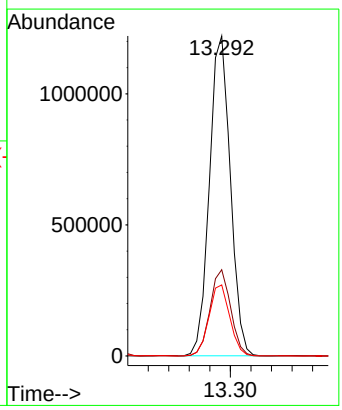


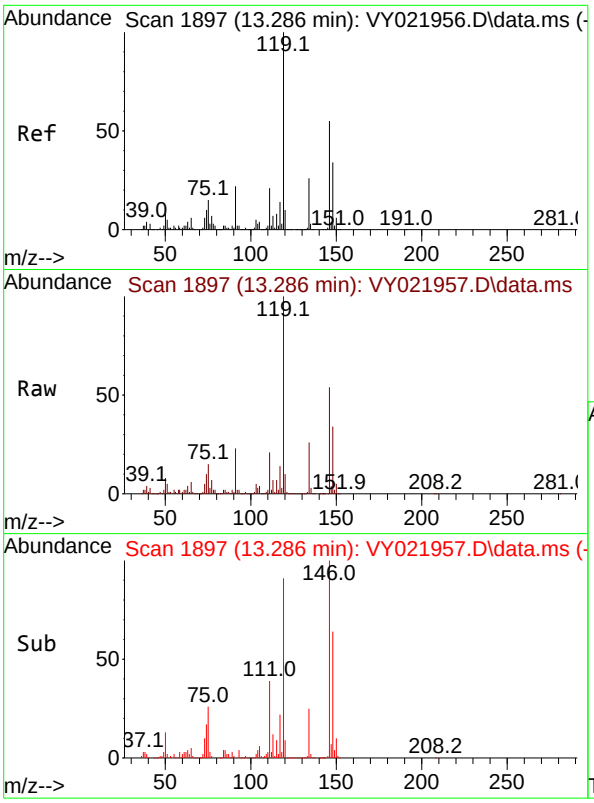


#86
p-Isopropyltoluene
Concen: 110.405 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:119 Resp: 1719877

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	22.1	11.0	33.0



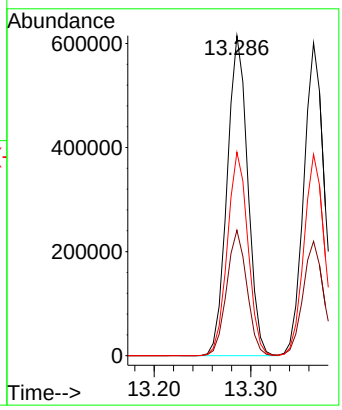


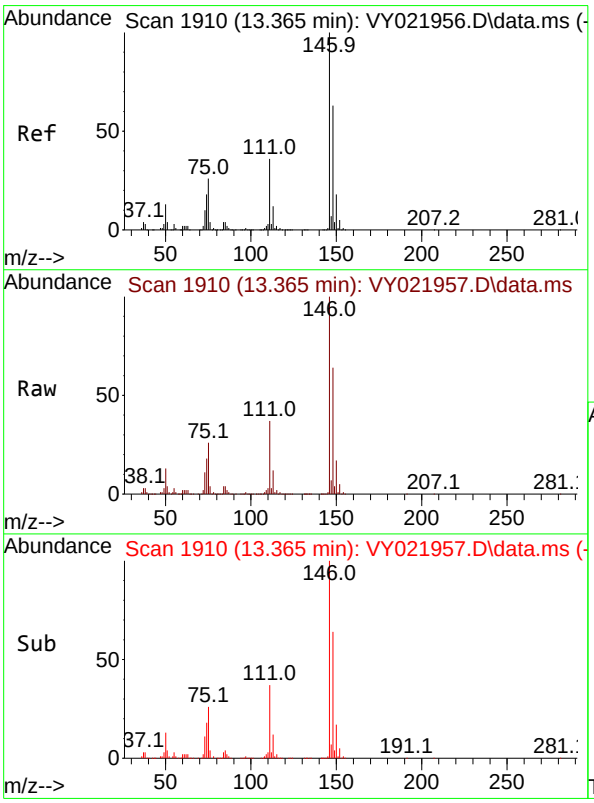
#87
1,3-Dichlorobenzene
Concen: 104.350 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 908577

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	63.3	32.0	96.2

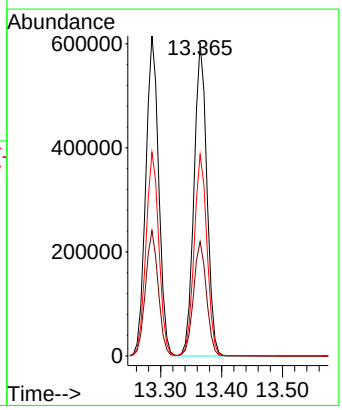


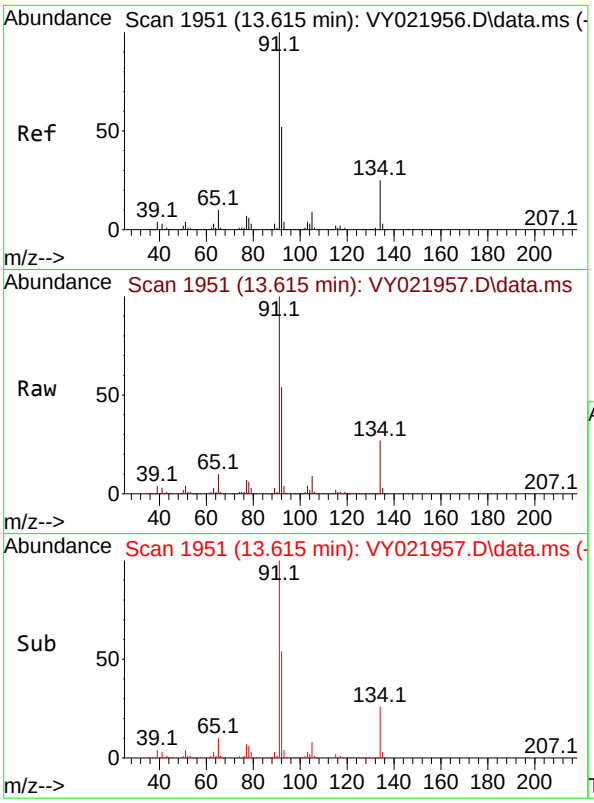


#88
1,4-Dichlorobenzene
Concen: 102.083 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:146 Resp: 880300

Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.2	57.6
148	64.3	32.0	96.0



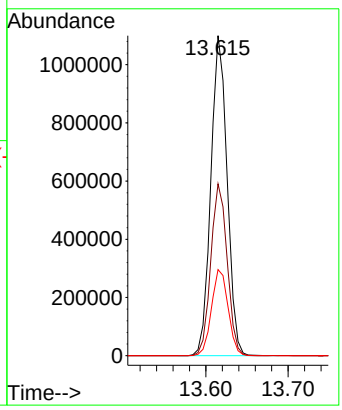


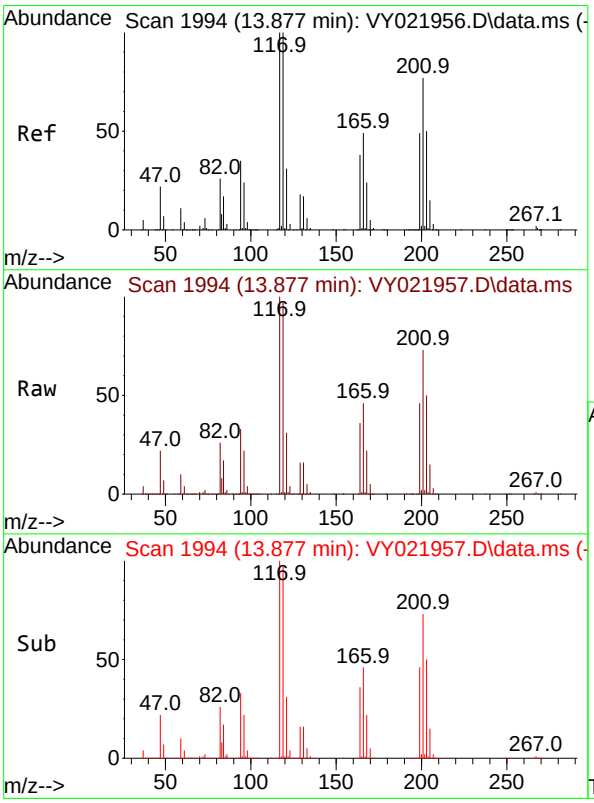
#89
n-Butylbenzene
Concen: 108.535 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1511238

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.5	79.5
134	27.5	13.4	40.1

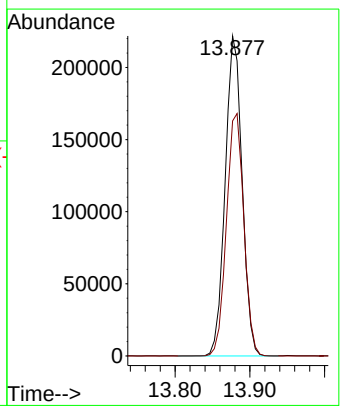


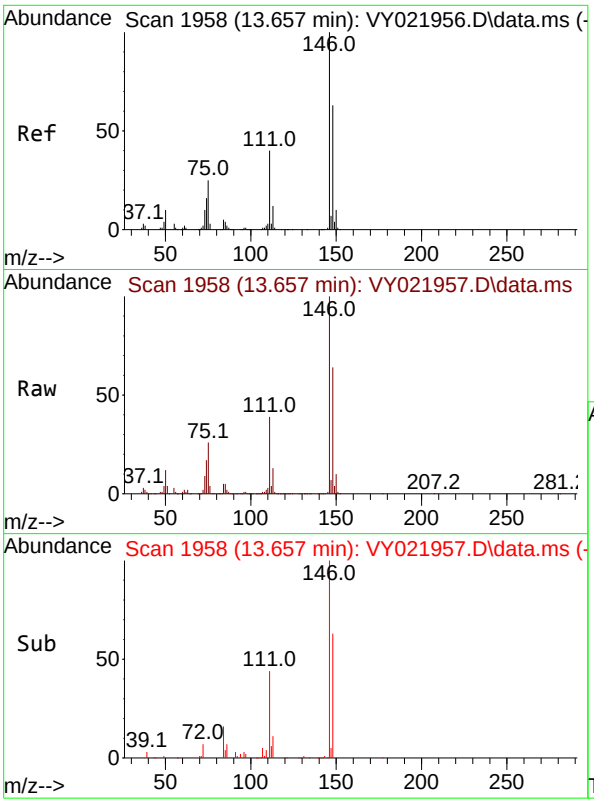


#90
Hexachloroethane
Concen: 102.221 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:117 Resp: 349860

Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.7	116.1



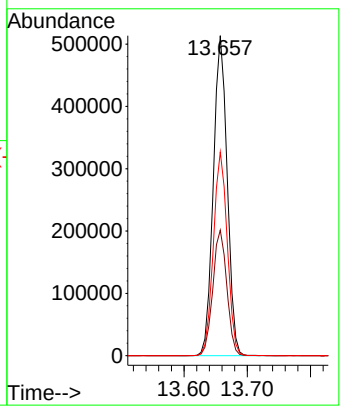


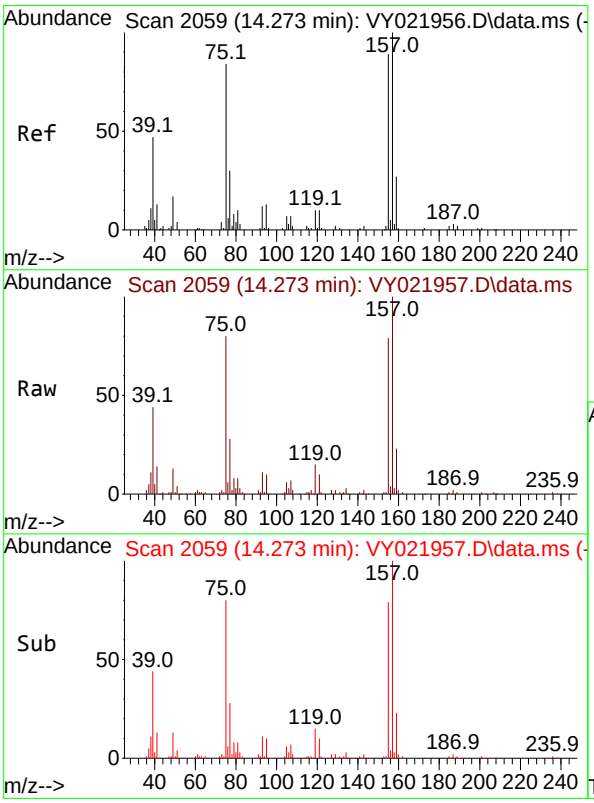
#91
1,2-Dichlorobenzene
Concen: 102.789 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 780600

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.8	32.1	96.3

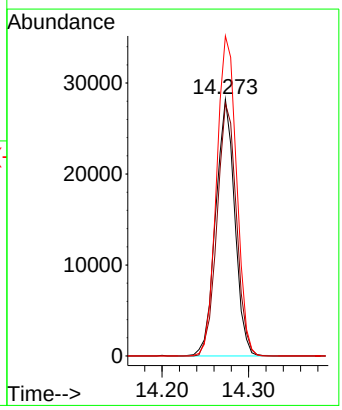


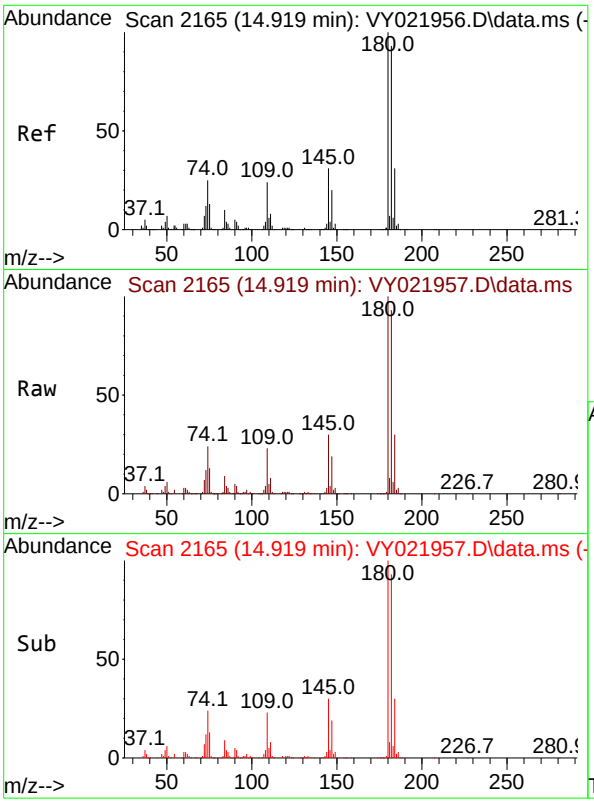


#92
1,2-Dibromo-3-Chloropropane
Concen: 94.503 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion: 75 Resp: 43006

Ion	Ratio	Lower	Upper
75	100		
155	99.9	50.7	152.3
157	130.7	62.6	187.8



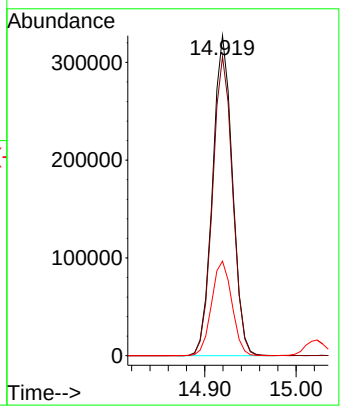


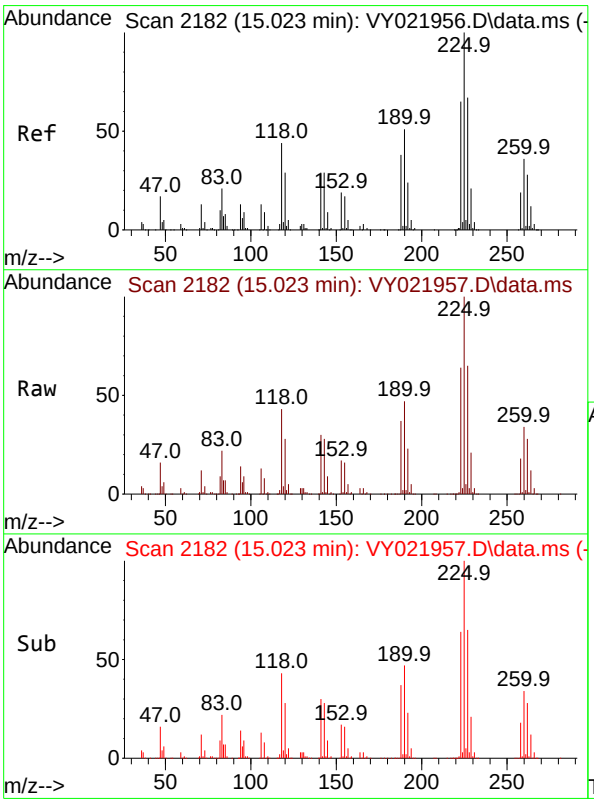
#93
1,2,4-Trichlorobenzene
Concen: 114.465 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 492590

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.4
145	30.3	15.0	45.0

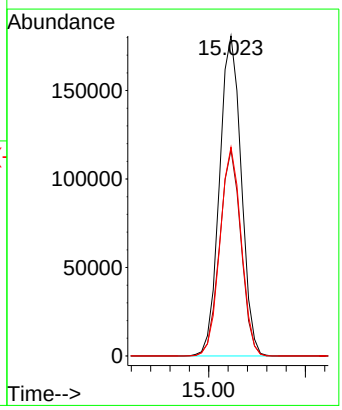


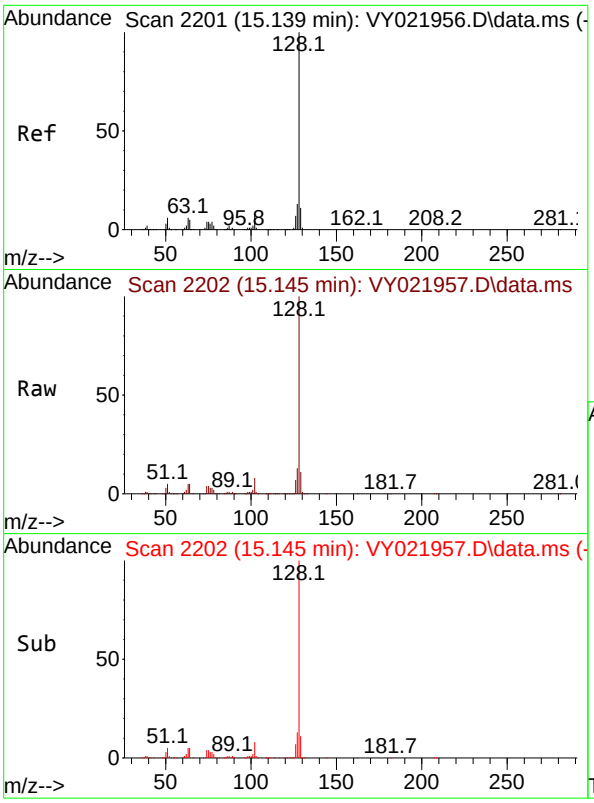


#94
Hexachlorobutadiene
Concen: 106.397 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:225 Resp: 281711

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	63.6	32.3	96.9



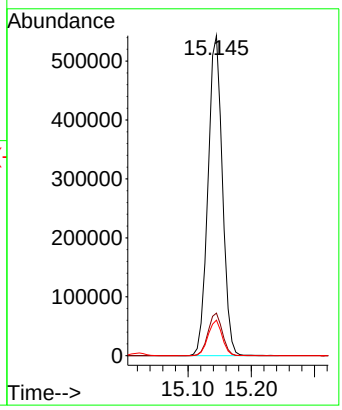


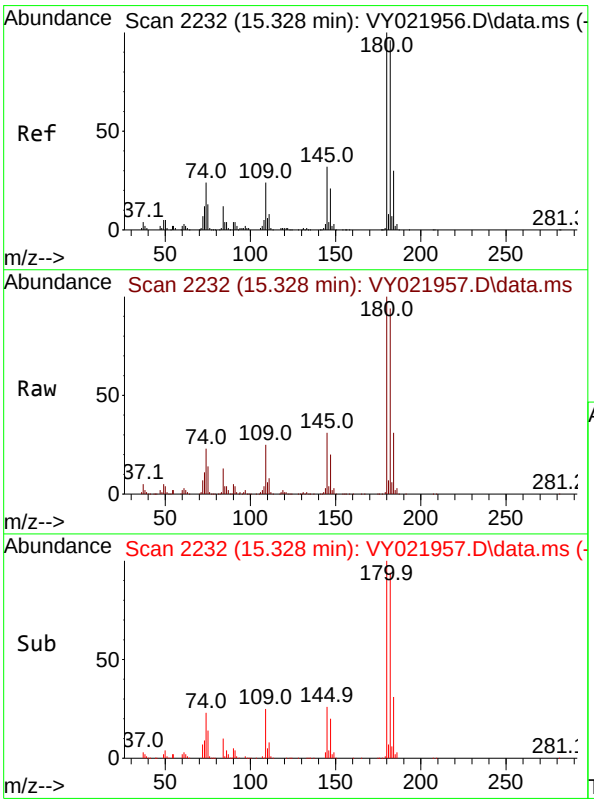
#95
Naphthalene
Concen: 120.033 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 858079

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.9	13.3

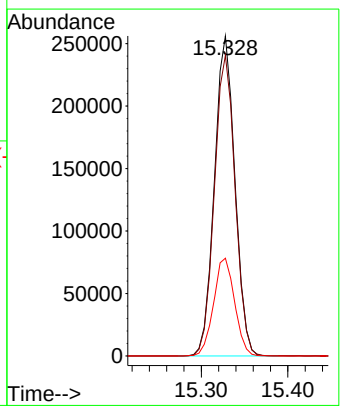




#96
1,2,3-Trichlorobenzene
Concen: 113.294 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY021957.D
Acq: 22 Apr 2025 15:52

Tgt Ion:180 Resp: 420859

Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.1	144.4
145	31.4	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.320%#			
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.620%#			
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 303.780%#			
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765 ug/l #	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914 ug/l	100
43) Isopropyl Acetate	8.195	43	495904	151.020 ug/l #	85
44) Trichloroethene	8.866	130	603635	146.435 ug/l	99
45) 1,2-Dichloropropane	9.140	63	473210	143.782 ug/l	100
46) Dibromomethane	9.225	93	300473	145.844 ug/l	99
47) Bromodichloromethane	9.420	83	758771	147.426 ug/l	100
48) Methyl methacrylate	9.219	41	243168	160.190 ug/l	97
49) 1,4-Dioxane	9.225	88	66528	3029.677 ug/l	99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306 ug/l	99
52) Toluene	10.170	92	1470005	152.593 ug/l	98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922 ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287 ug/l	99
56) Ethyl methacrylate	10.439	69	530305	168.507 ug/l	99
57) 1,3-Dichloropropane	10.713	76	650614	147.471 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076 ug/l	98
59) 2-Hexanone	10.756	43	896663	789.752 ug/l	99
60) Dibromochloromethane	10.908	129	574423	150.763 ug/l	100
61) 1,2-Dibromoethane	11.012	107	386950	148.938 ug/l	100
64) Tetrachloroethene	10.646	164	648295	136.828 ug/l	99
65) Chlorobenzene	11.438	112	1644879	146.452 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925 ug/l	100
67) Ethyl Benzene	11.518	91	2859582	155.641 ug/l	99
68) m/p-Xylenes	11.627	106	2270756	310.594 ug/l	99
69) o-Xylene	11.950	106	1079036	160.131 ug/l	99
70) Styrene	11.969	104	1821333	160.979 ug/l	100
71) Bromoform	12.127	173	345783	150.413 ug/l #	99
73) Isopropylbenzene	12.255	105	2766822	161.622 ug/l	99
74) N-amyl acetate	12.066	43	481095	163.570 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581 ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	567132	251.190 ug/l #	100
77) Bromobenzene	12.530	156	677176	156.545 ug/l	98
78) n-propylbenzene	12.591	91	3191904	156.567 ug/l	99
79) 2-Chlorotoluene	12.676	91	1838218	155.043 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337 ug/l	98
82) 4-Chlorotoluene	12.774	91	1879346	152.484 ug/l	99
83) tert-Butylbenzene	12.993	119	2076003	164.108 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437 ug/l	100
85) sec-Butylbenzene	13.176	105	2910397	157.224 ug/l	99
86) p-Isopropyltoluene	13.292	119	2552924	162.413 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409 ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621 ug/l	98
89) n-Butylbenzene	13.615	91	2244063	159.720 ug/l	99
90) Hexachloroethane	13.877	117	520392	150.683 ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323 ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770 ug/l	99
94) Hexachlorobutadiene	15.023	225	417808	156.384 ug/l	99
95) Naphthalene	15.145	128	1336140	185.231 ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

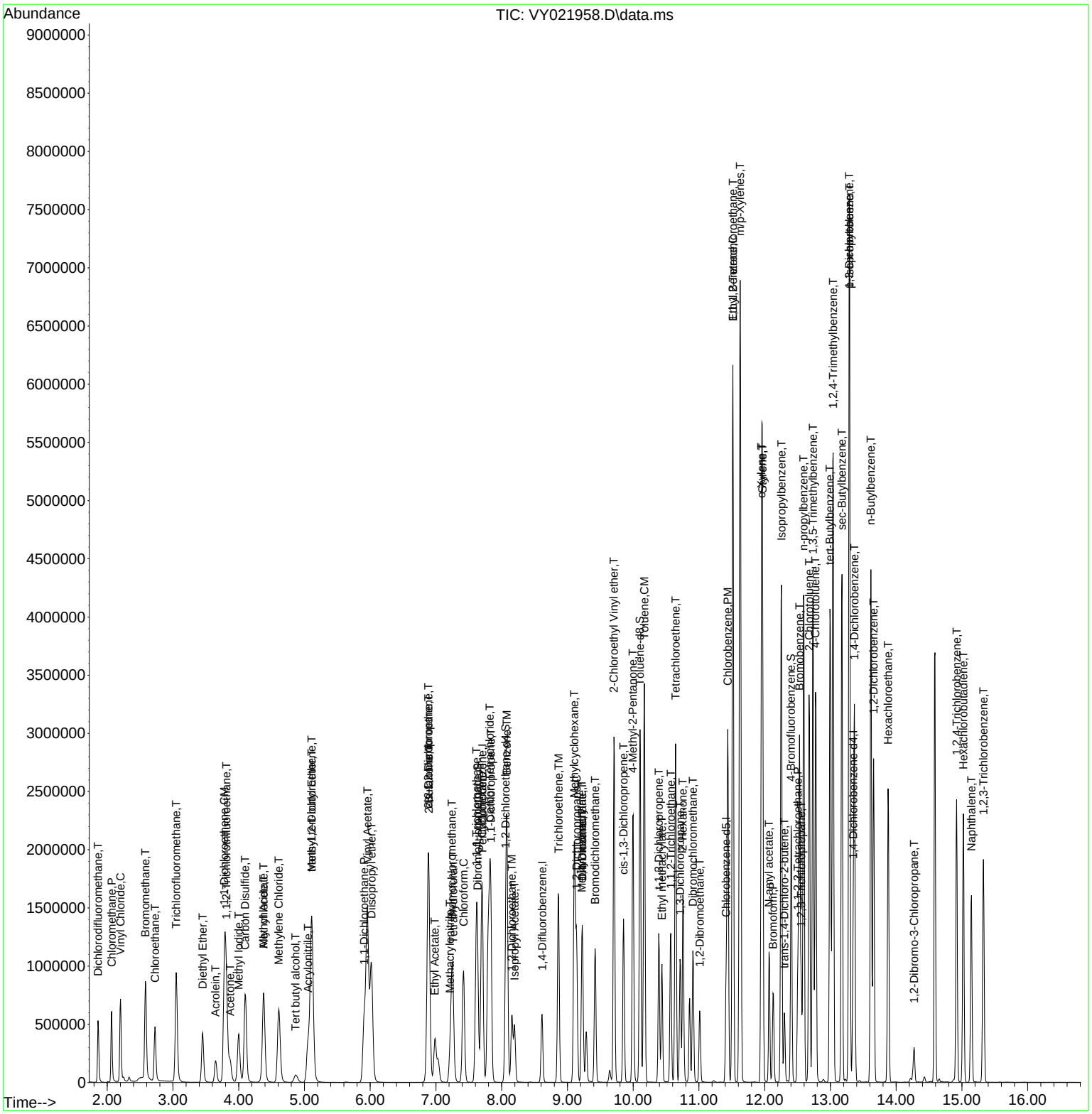
(#) = qualifier out of range (m) = manual integration (+) = signals summed

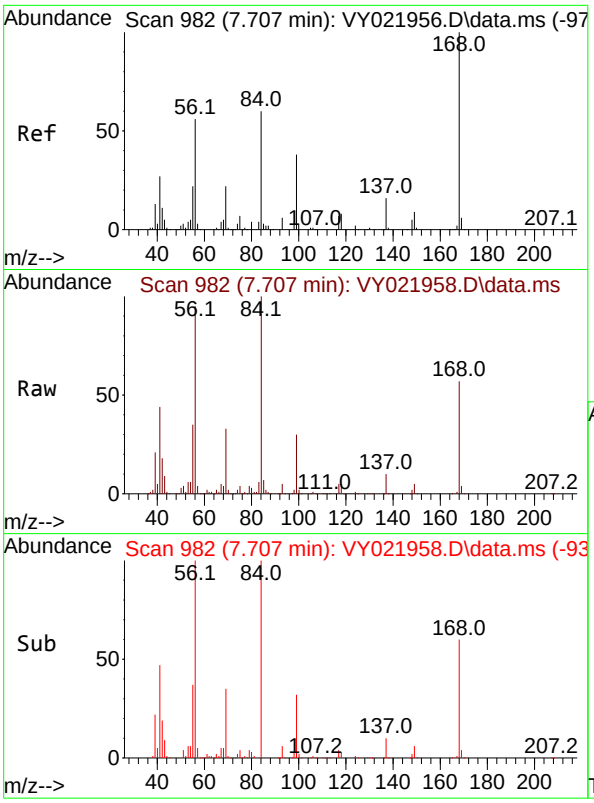
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



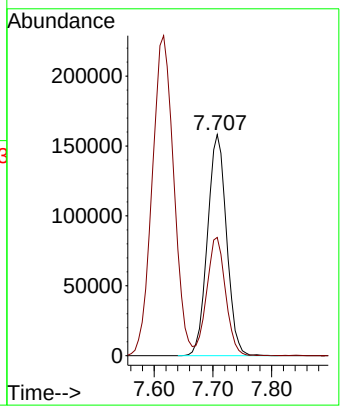


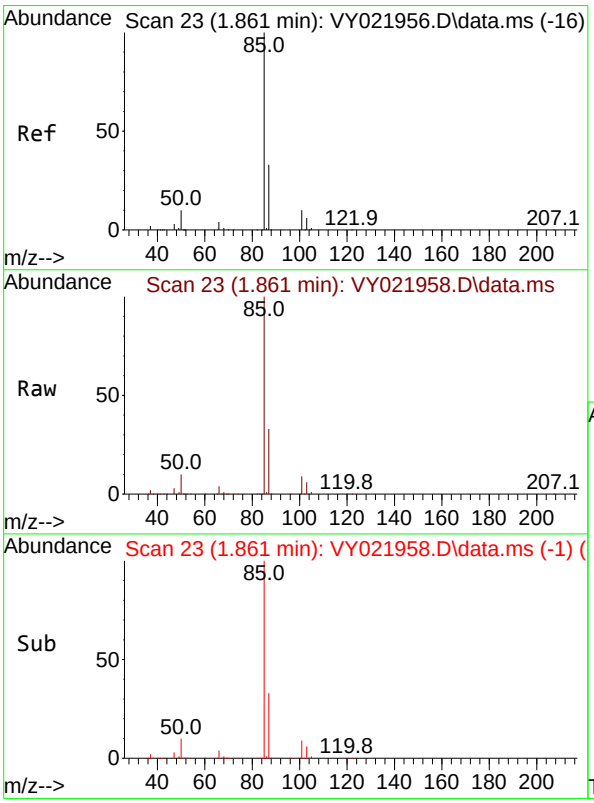
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 355777

Ion	Ratio	Lower	Upper
168	100		
99	53.4	43.1	64.7

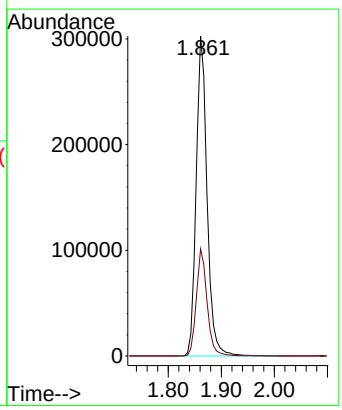


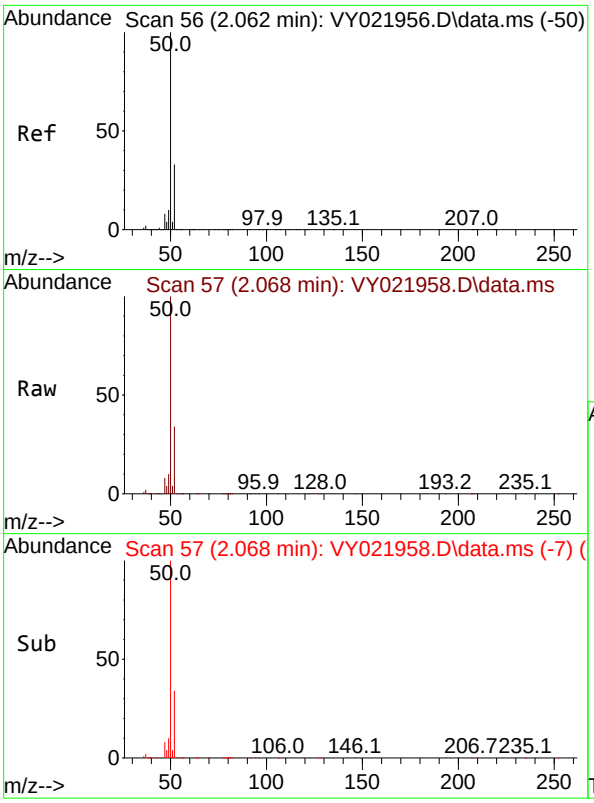


#2
Dichlorodifluoromethane
Concen: 142.488 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 85 Resp: 431961

Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.6	49.7



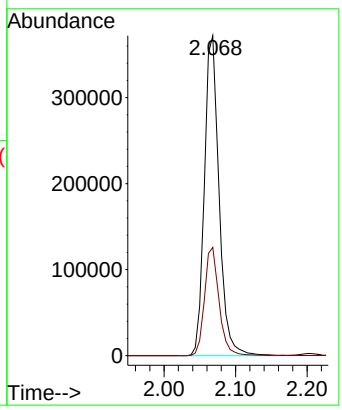


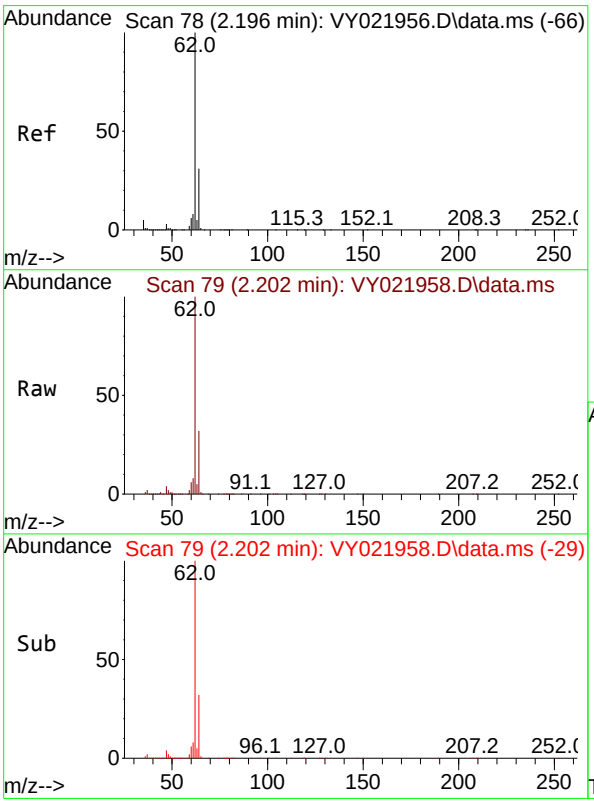
#3
Chloromethane
Concen: 123.066 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 531232

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.1	39.1

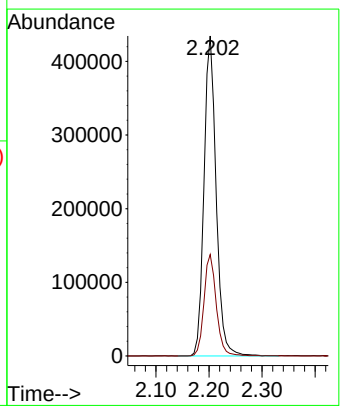


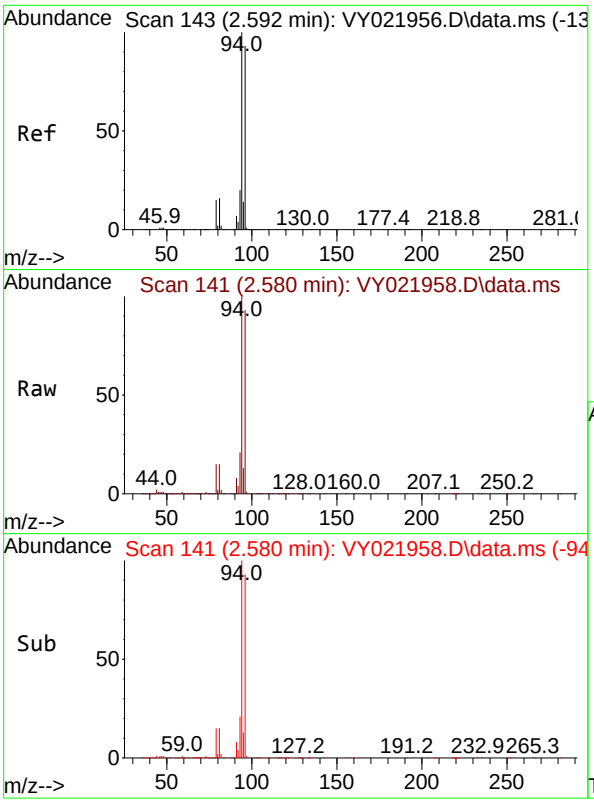


#4
Vinyl Chloride
Concen: 130.127 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 62 Resp: 690264

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.1	37.7



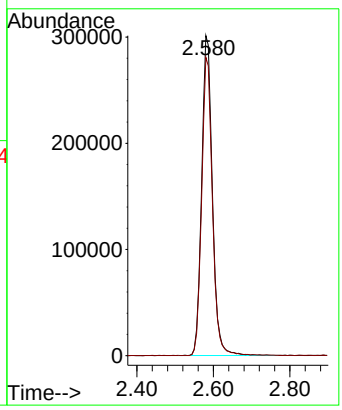


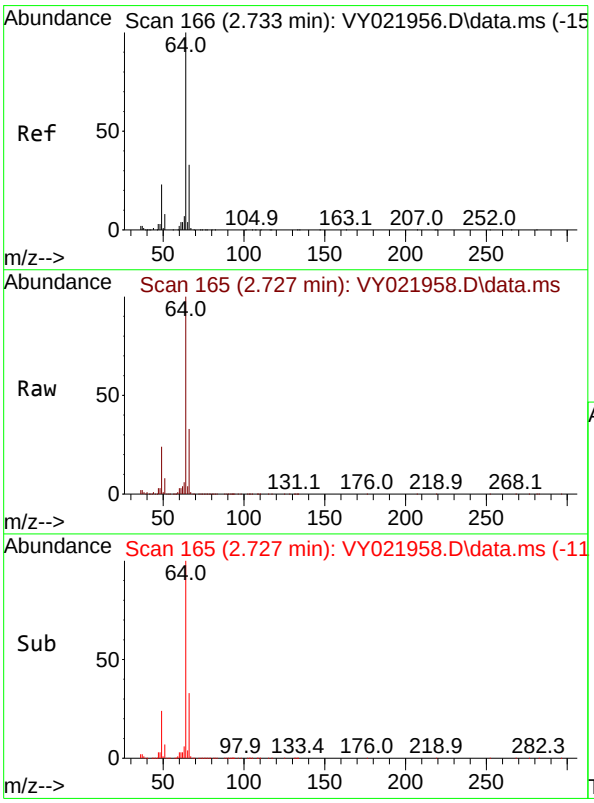
#5
Bromomethane
Concen: 128.474 ug/l
RT: 2.580 min Scan# 14
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 587136

Ion	Ratio	Lower	Upper
94	100		
96	93.2	74.6	111.8

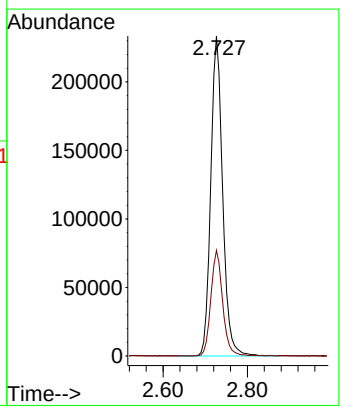


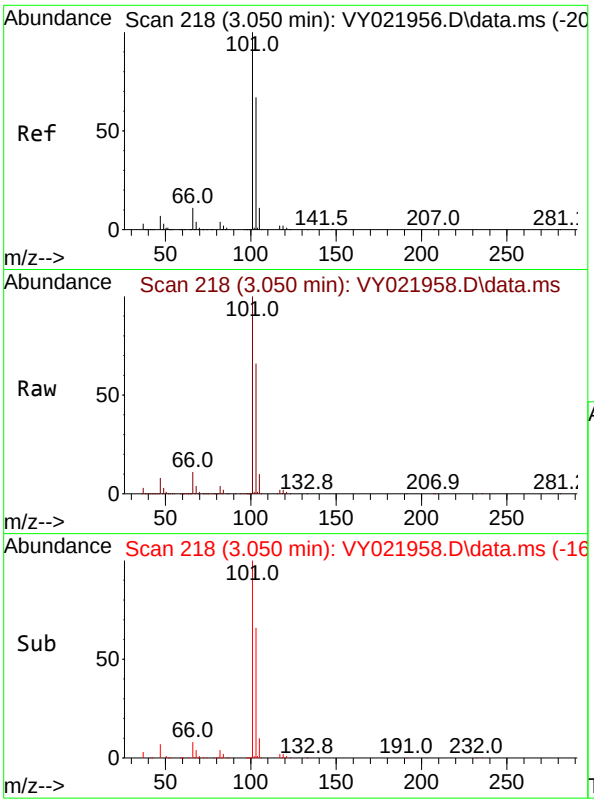


#6
Chloroethane
Concen: 126.630 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 64 Resp: 457467

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.2	39.4



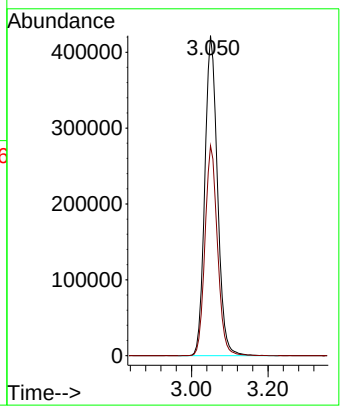


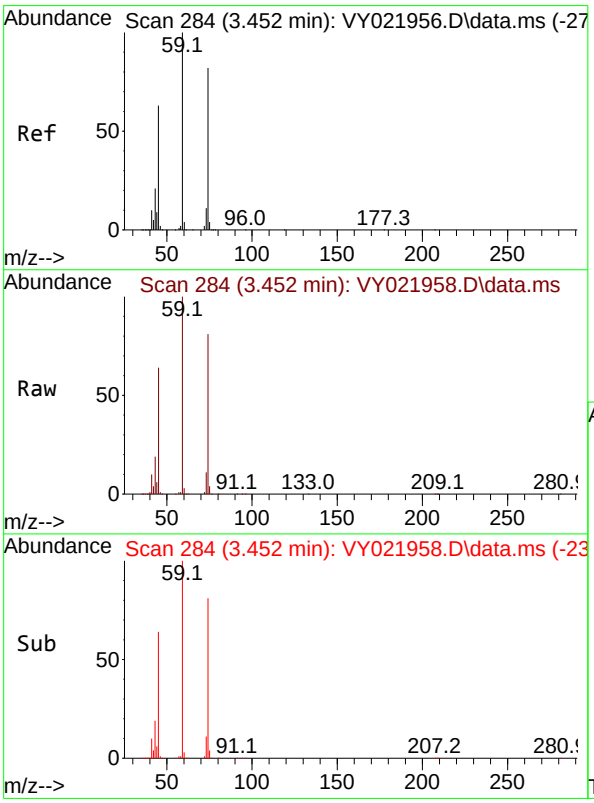
#7
Trichlorofluoromethane
Concen: 138.417 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 968200

Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.6	80.4

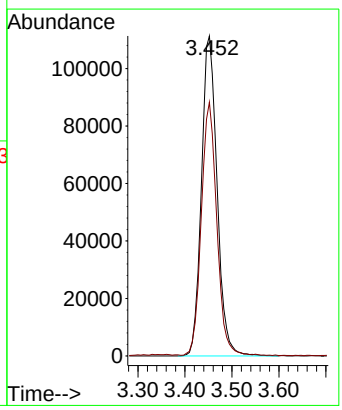


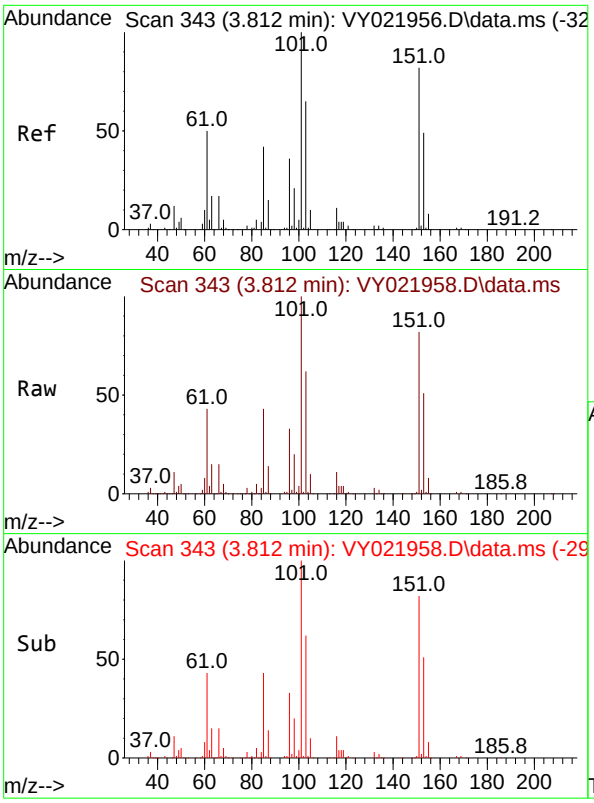


#8
Diethyl Ether
Concen: 140.770 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 74 Resp: 256284

Ion	Ratio	Lower	Upper
74	100		
45	78.2	39.1	117.5



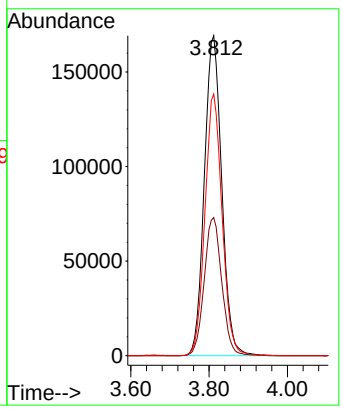


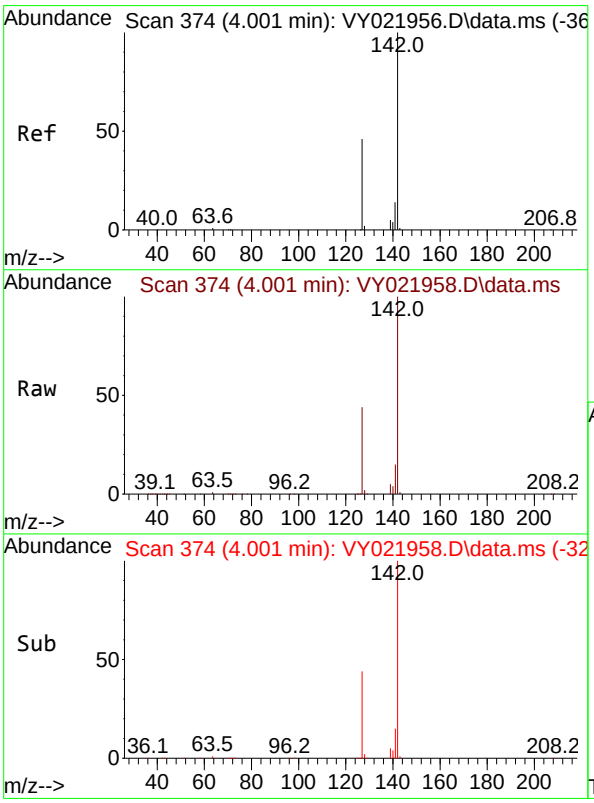
#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.247 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 520779

Ion	Ratio	Lower	Upper
101	100		
85	43.7	34.6	51.8
151	80.9	63.7	95.5

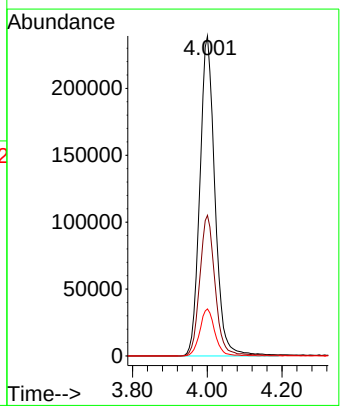


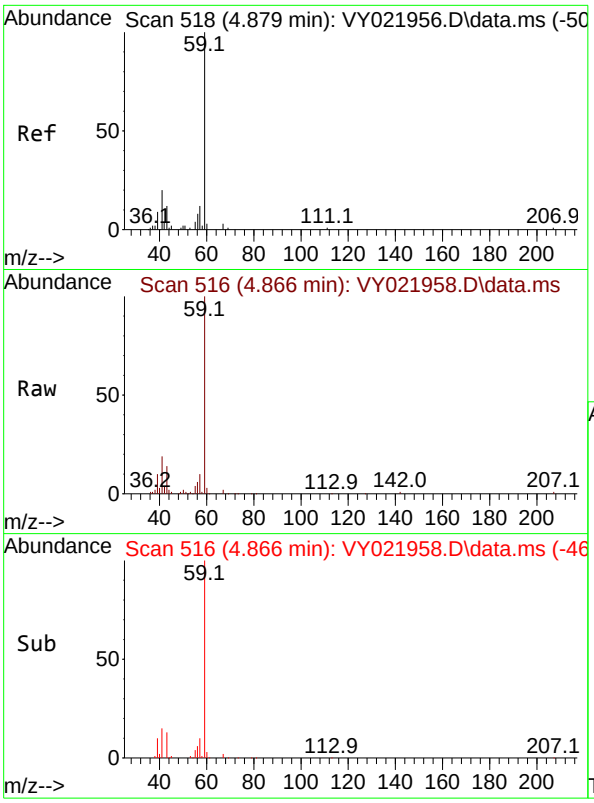


#10
Methyl Iodide
Concen: 152.592 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:142 Resp: 670370

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.2	54.2
141	14.7	11.7	17.5



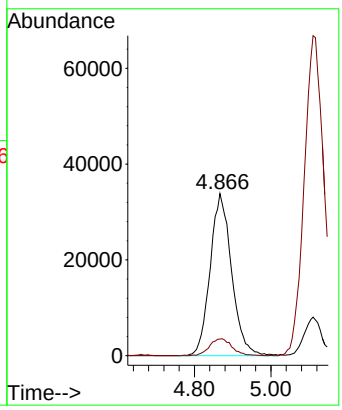


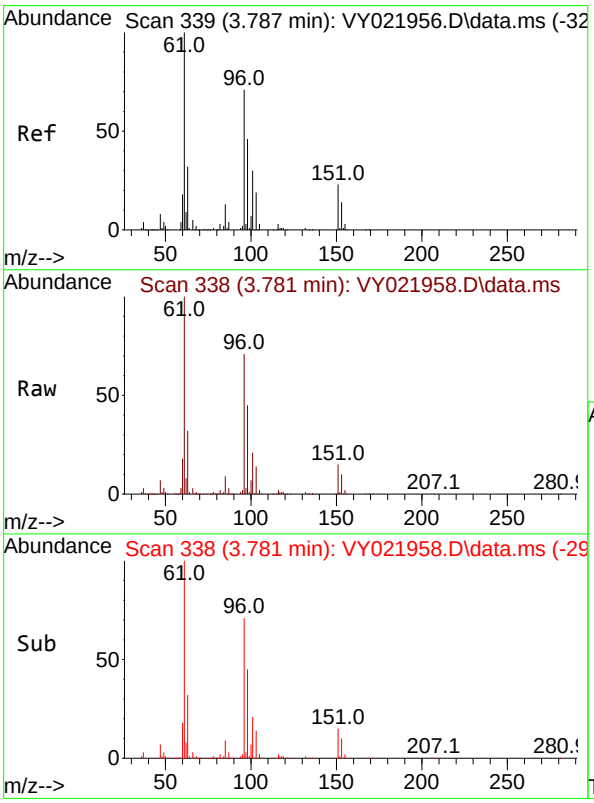
#11
Tert butyl alcohol
Concen: 731.707 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 132009

Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.3	13.9

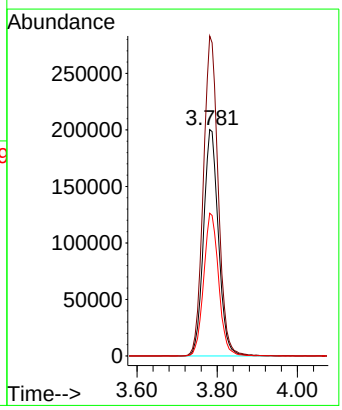


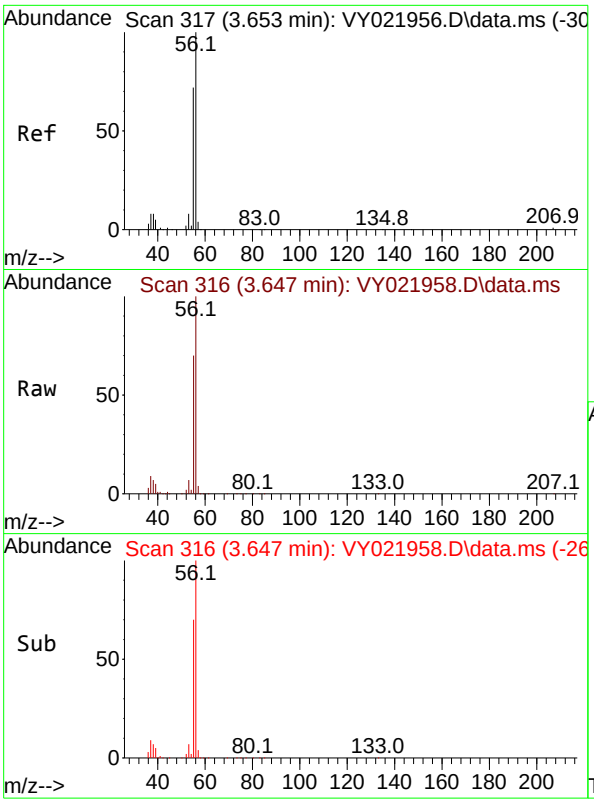


#12
1,1-Dichloroethene
Concen: 146.010 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 96 Resp: 516411

Ion	Ratio	Lower	Upper
96	100		
61	141.3	113.0	169.4
98	63.1	51.4	77.2



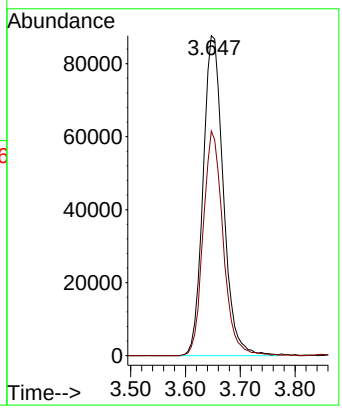


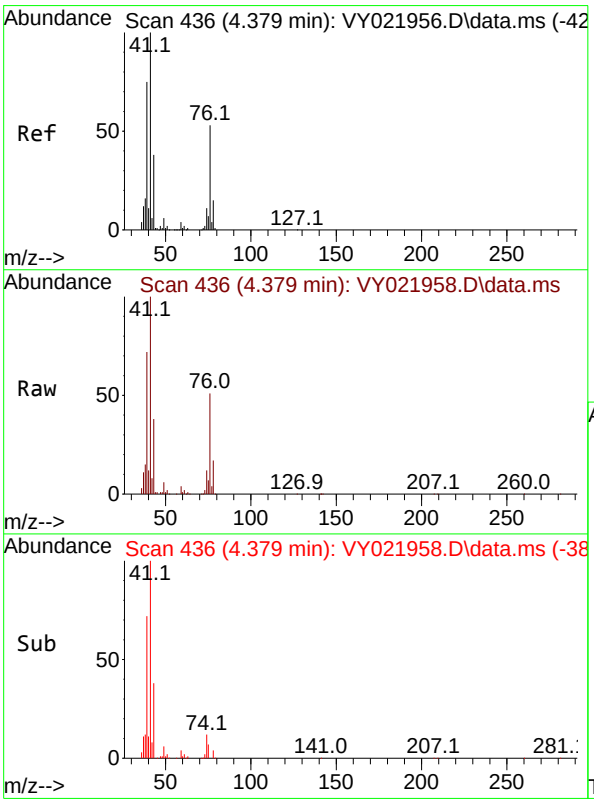
#13
Acrolein
Concen: 692.230 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 224148

Ion	Ratio	Lower	Upper
56	100		
55	69.3	57.4	86.0

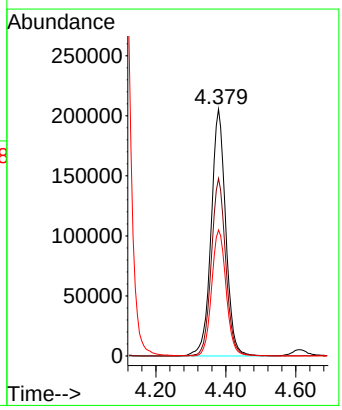


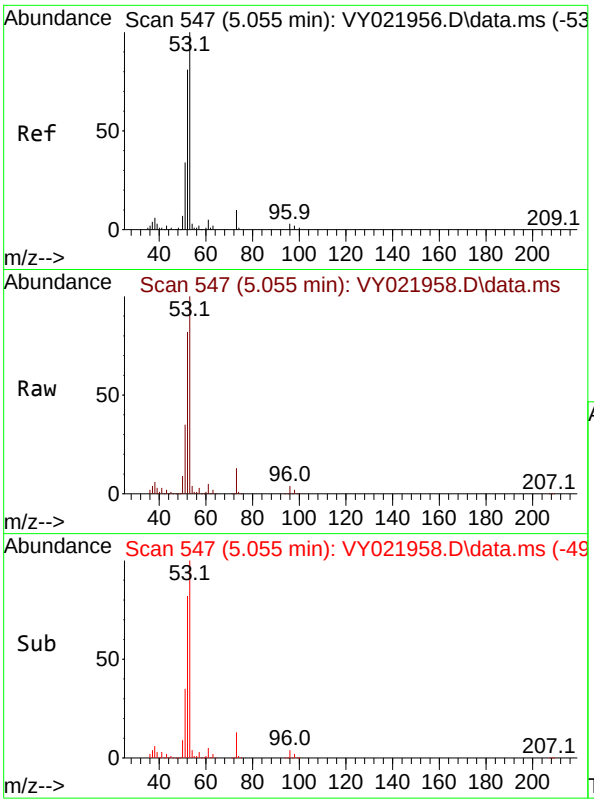


#14
Allyl chloride
Concen: 144.481 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 41 Resp: 595004

Ion	Ratio	Lower	Upper
41	100		
39	71.4	57.2	85.8
76	50.7	39.7	59.5



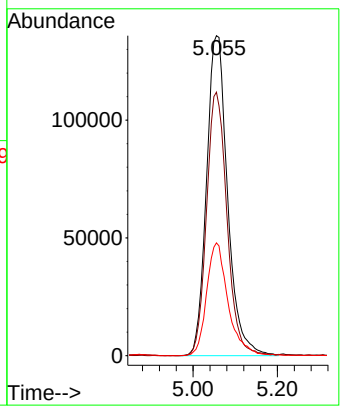


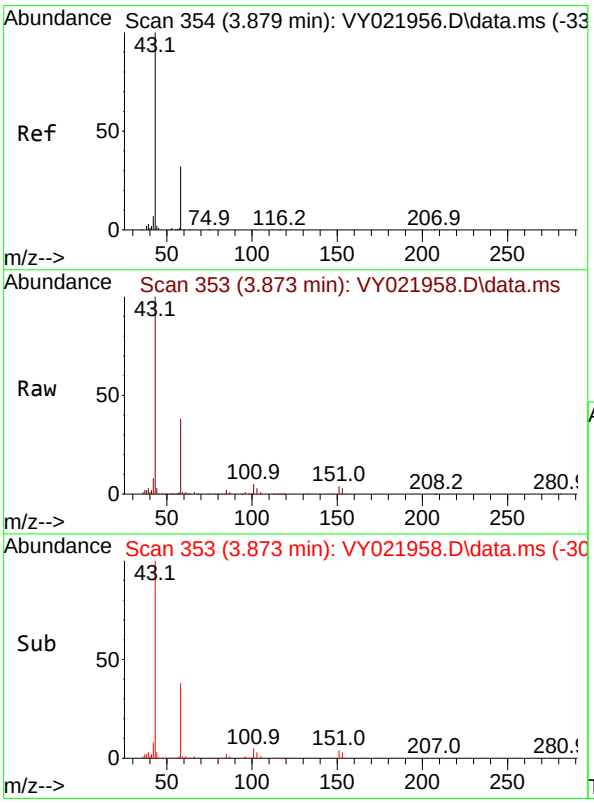
#15
Acrylonitrile
Concen: 707.705 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 471687

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	36.1	28.9	43.3

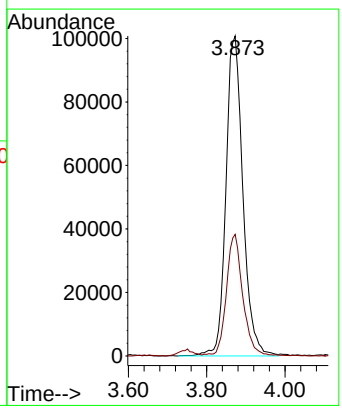


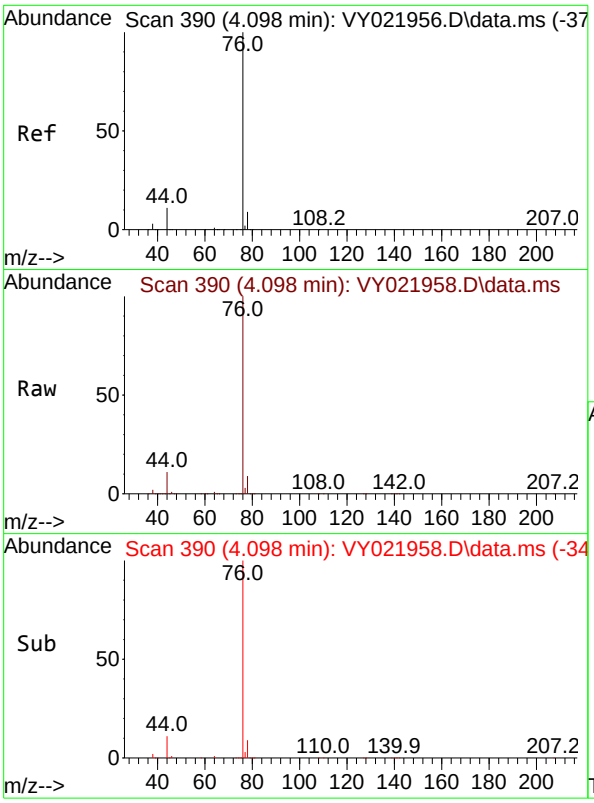


#16
Acetone
Concen: 747.934 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 303420

Ion	Ratio	Lower	Upper
43	100		
58	37.8	27.0	40.4



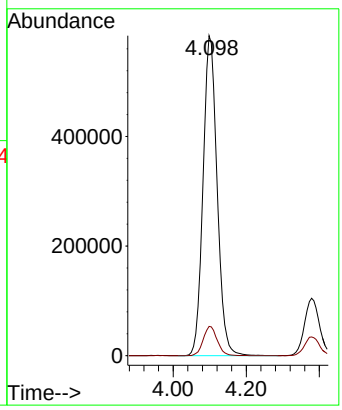


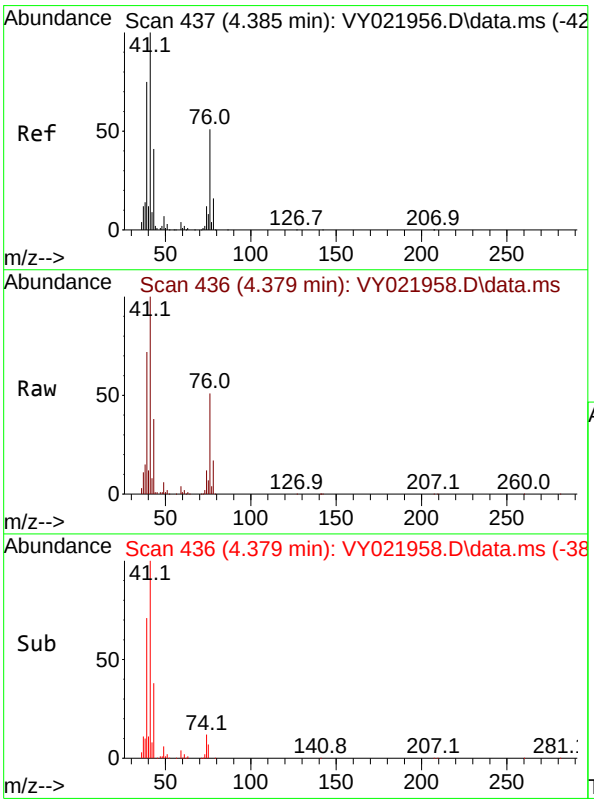
#17
Carbon Disulfide
Concen: 138.054 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1556842

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

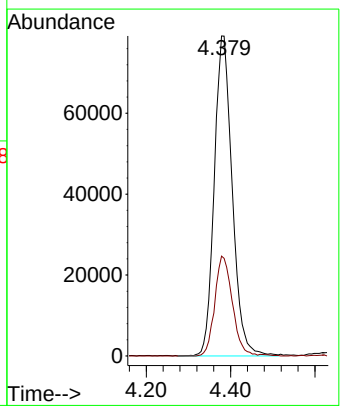


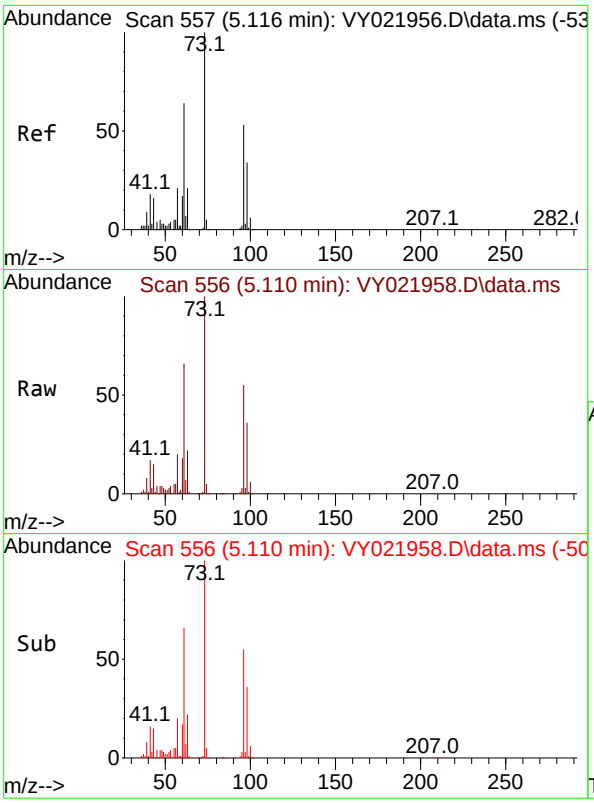


#18
Methyl Acetate
Concen: 152.216 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 233664

Ion	Ratio	Lower	Upper
43	100		
74	30.5	24.2	36.4



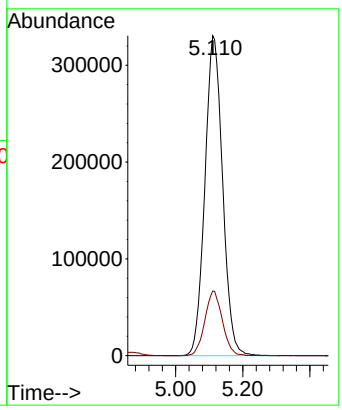


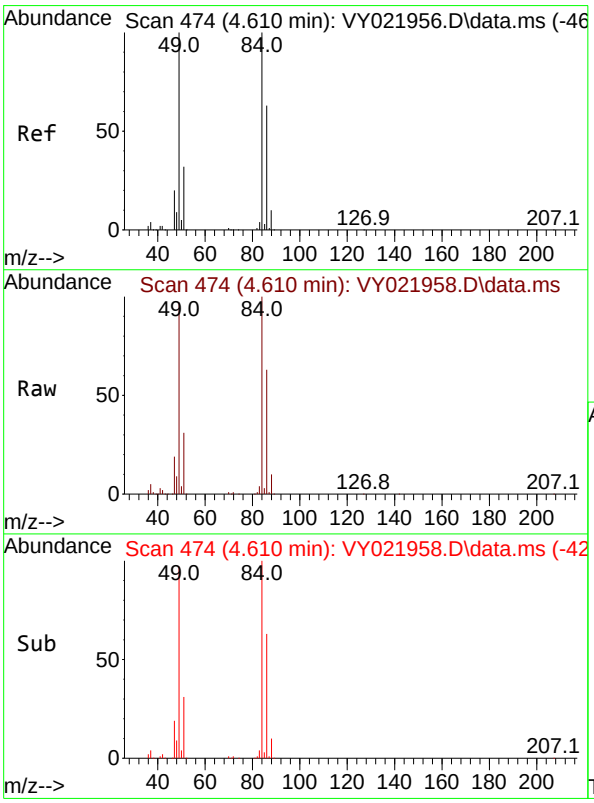
#19
Methyl tert-butyl Ether
Concen: 152.936 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1210655

Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.9	25.3

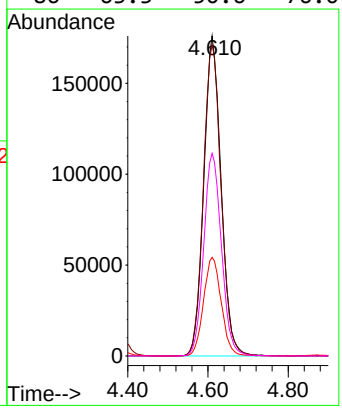


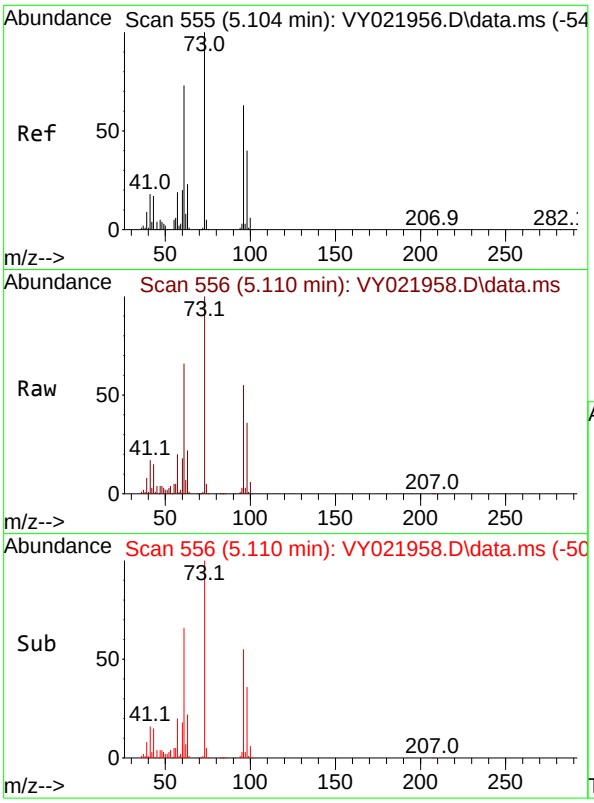


#20
Methylene Chloride
Concen: 126.805 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 84 Resp: 526924

Ion	Ratio	Lower	Upper
84	100		
49	97.3	79.9	119.9
51	30.8	25.4	38.0
86	63.3	50.6	76.0



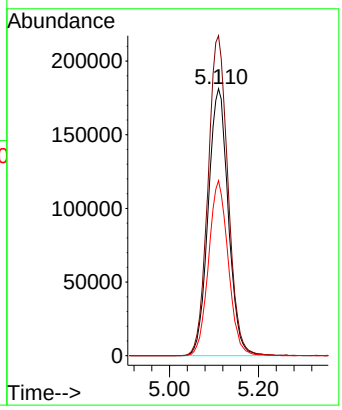


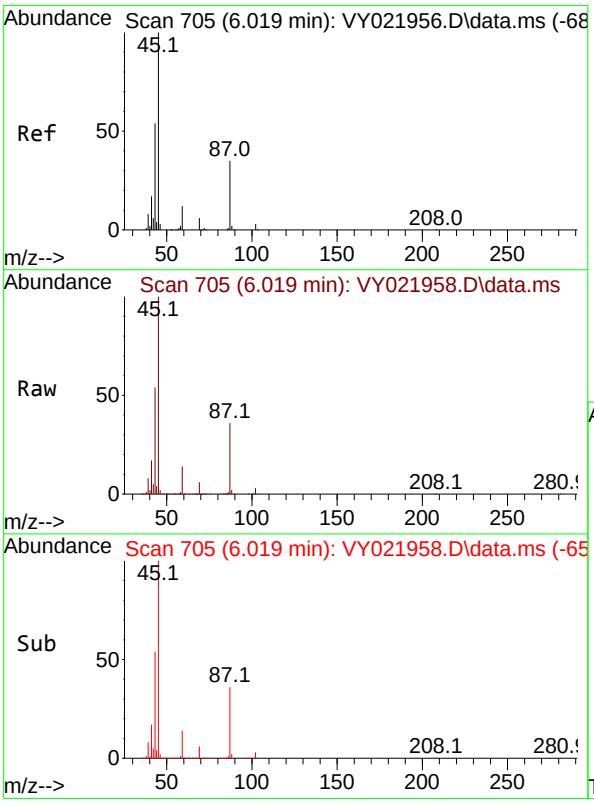
#21
trans-1,2-Dichloroethene
Concen: 143.443 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 568174

Ion	Ratio	Lower	Upper
96	100		
61	119.7	92.6	138.8
98	65.6	50.2	75.4

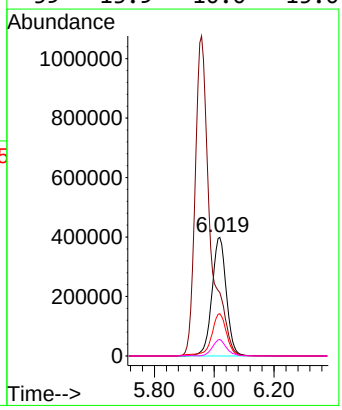


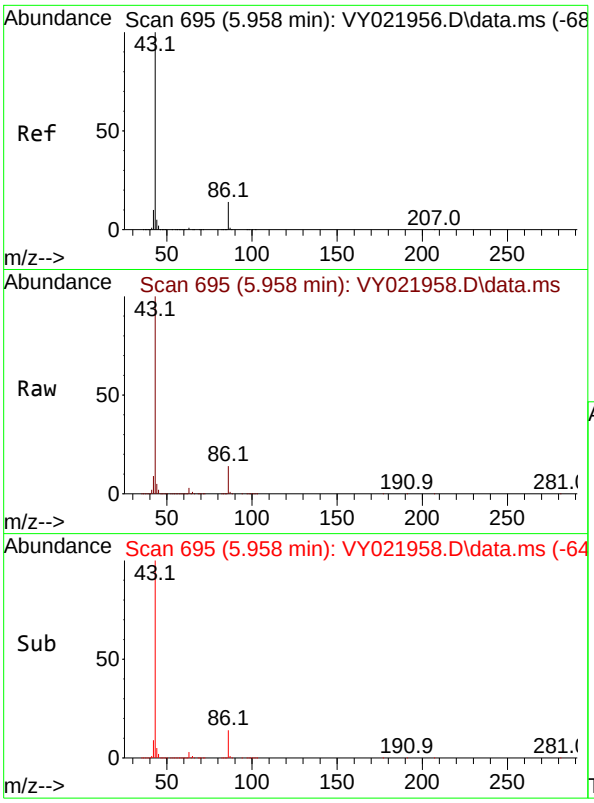


#22
Diisopropyl ether
Concen: 145.303 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 45 Resp: 1331652

Ion	Ratio	Lower	Upper
45	100		
43	53.6	43.6	65.4
87	35.7	28.2	42.4
59	13.9	10.0	15.0



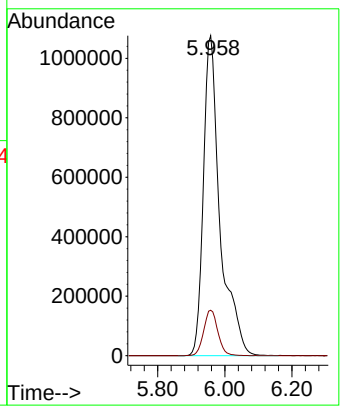


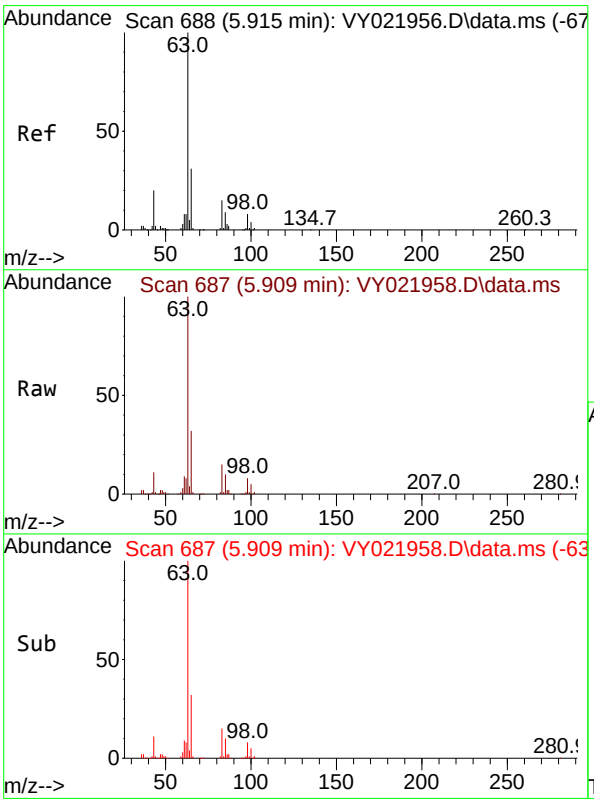
#23
Vinyl Acetate
Concen: 750.348 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3706076

Ion	Ratio	Lower	Upper
43	100		
86	14.2	11.1	16.7

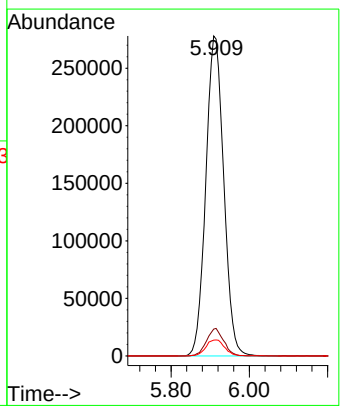


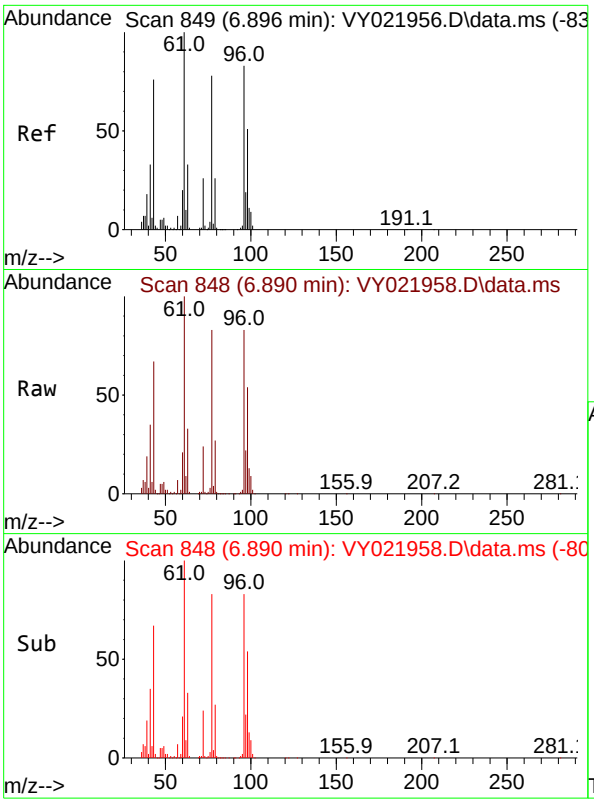


#24
1,1-Dichloroethane
Concen: 138.707 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 63 Resp: 881143

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	11.9
100	4.9	2.0	6.0



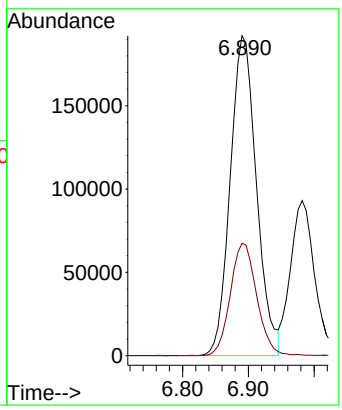


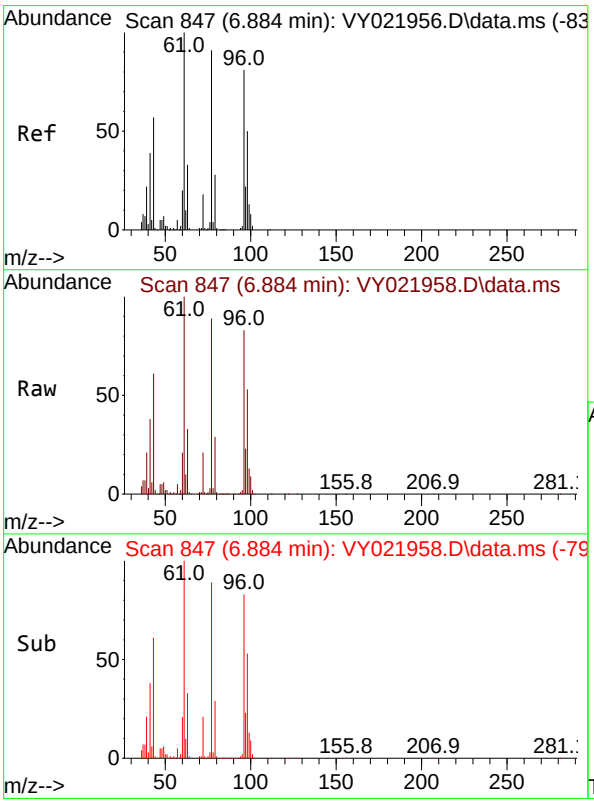
#25
2-Butanone
Concen: 711.701 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 533125

Ion	Ratio	Lower	Upper
43	100		
72	35.1	27.0	40.4

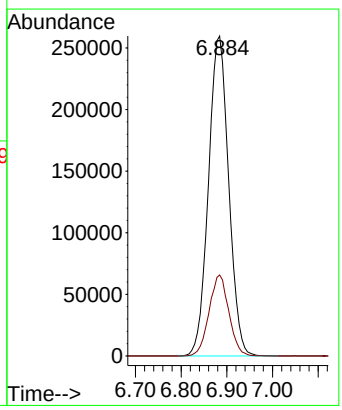


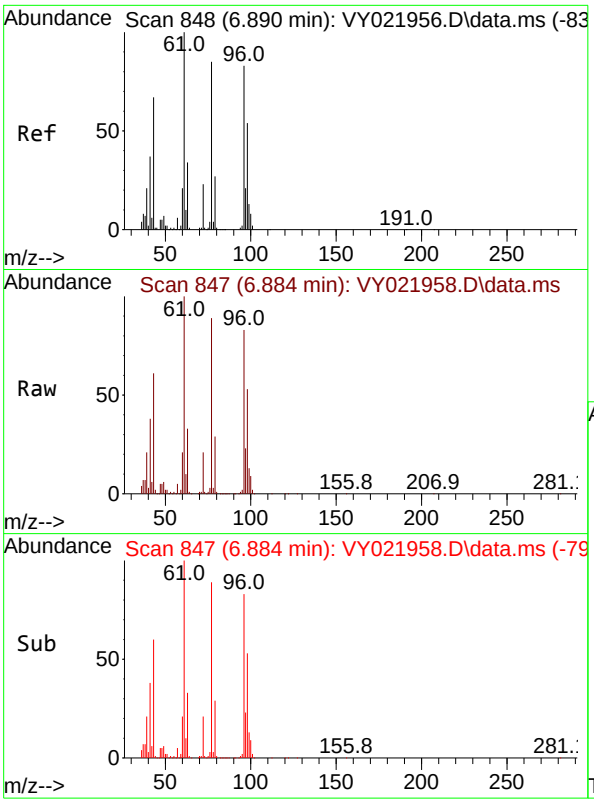


#26
2,2-Dichloropropane
Concen: 143.320 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 77 Resp: 797978

Ion	Ratio	Lower	Upper
77	100		
97	24.8	12.4	37.4



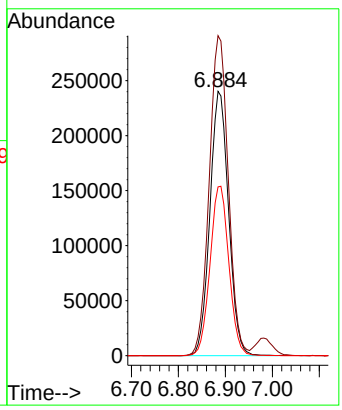


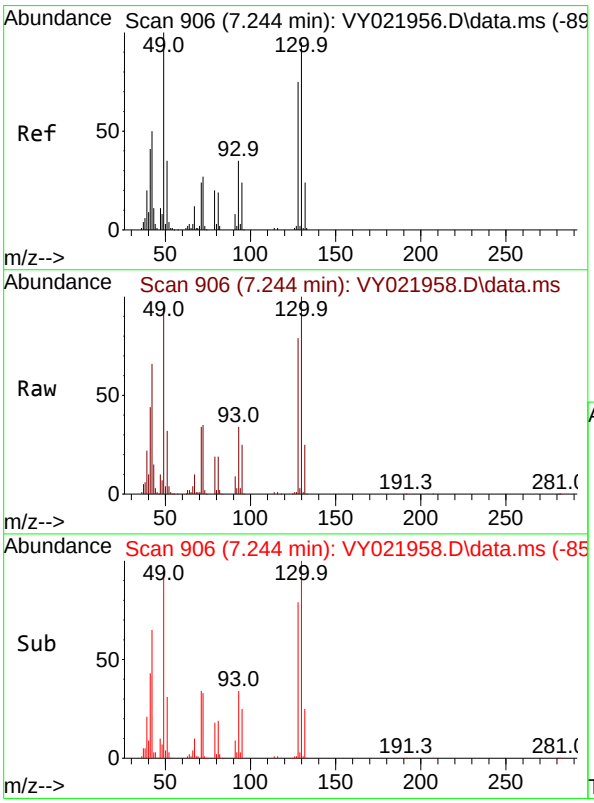
#27
cis-1,2-Dichloroethene
Concen: 149.760 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 663284

Ion	Ratio	Lower	Upper
96	100		
61	123.8	0.0	251.4
98	64.7	0.0	128.4

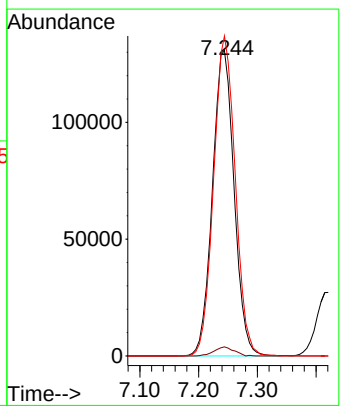


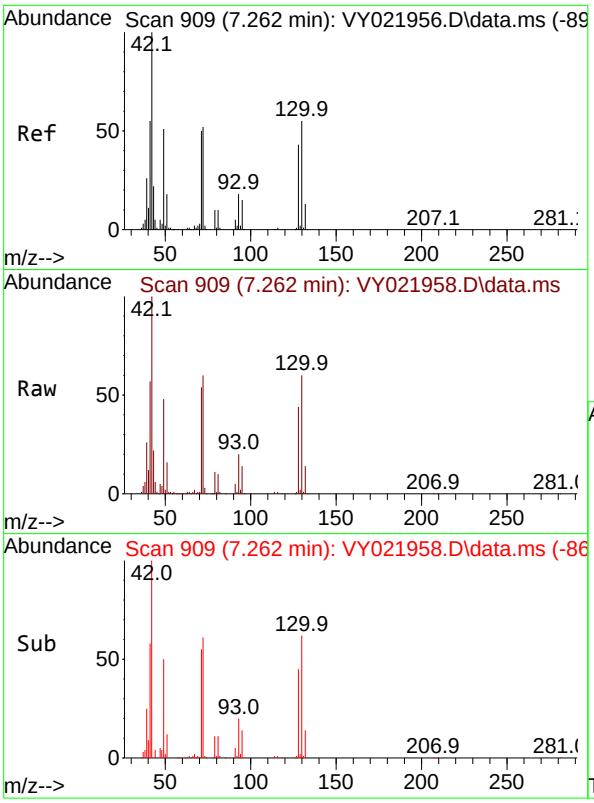


#28
Bromochloromethane
Concen: 135.876 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 49 Resp: 335269

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	104.5	78.2	117.4



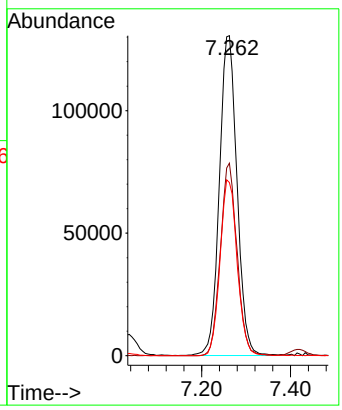


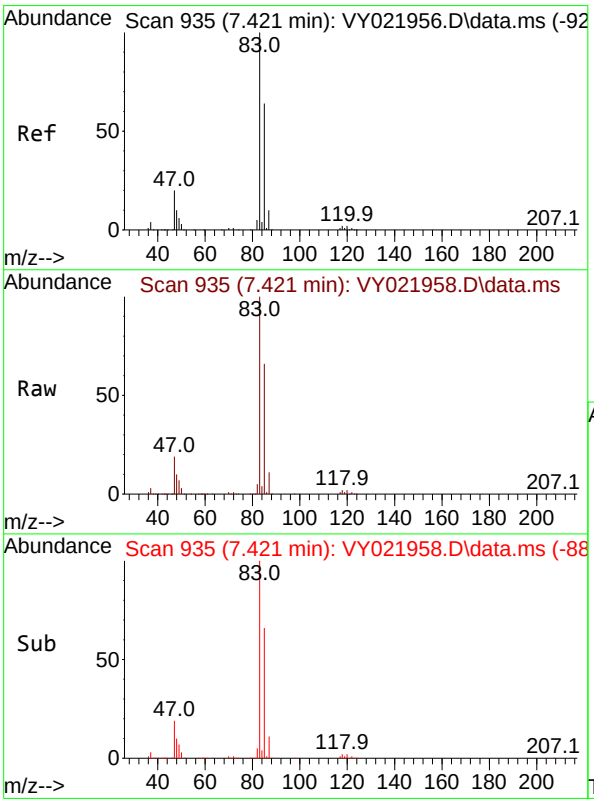
#29
Tetrahydrofuran
Concen: 734.980 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 357581

Ion	Ratio	Lower	Upper
42	100		
72	57.2	42.6	63.8
71	53.5	40.6	61.0

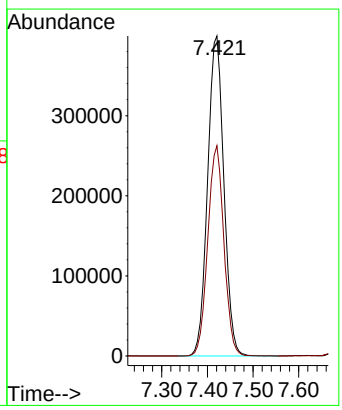


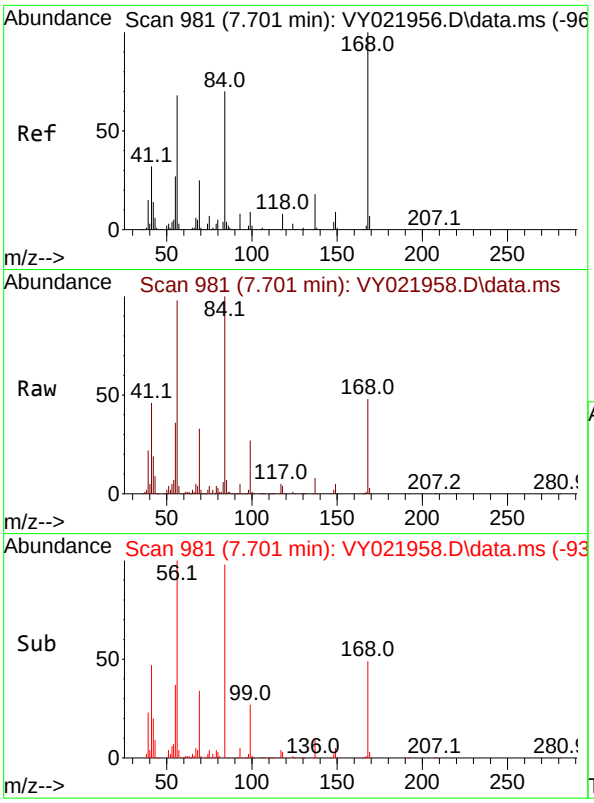


#30
Chloroform
Concen: 140.042 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 83 Resp: 986793

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.3	76.9



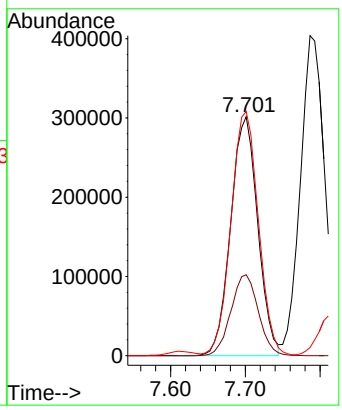


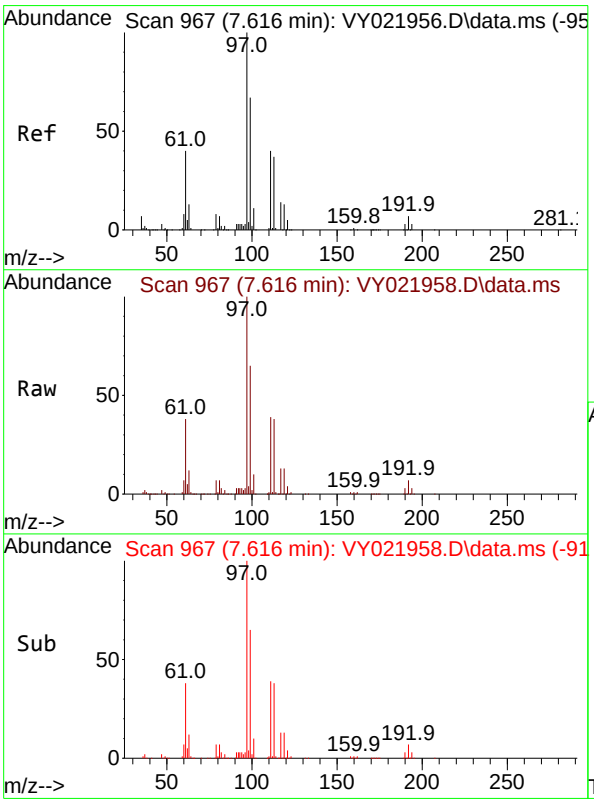
#31
Cyclohexane
Concen: 139.782 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 759349

Ion	Ratio	Lower	Upper
56	100		
69	33.8	29.4	44.2
84	100.2	82.2	123.4

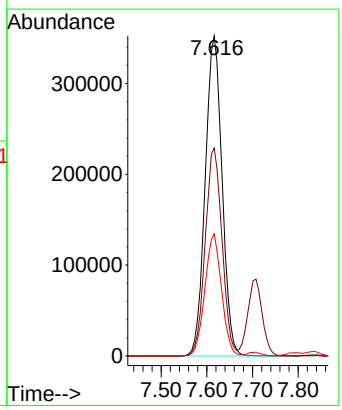


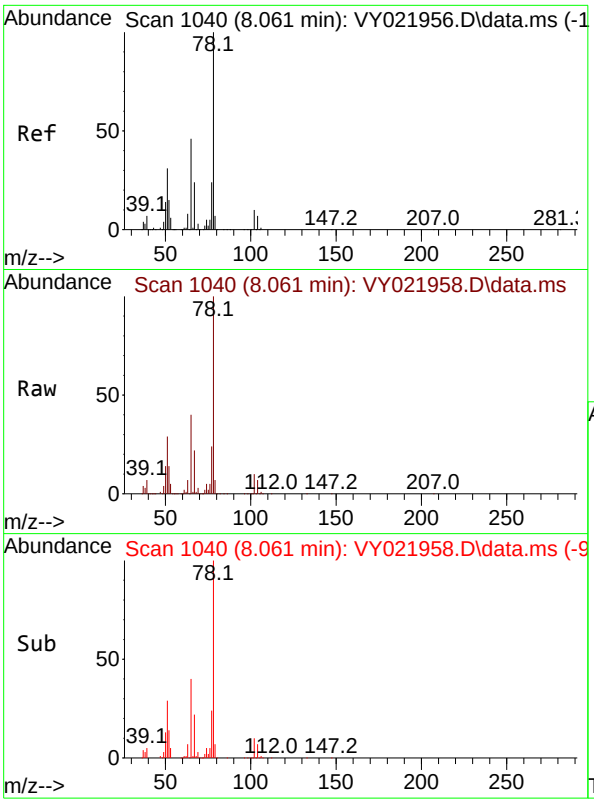


#32
1,1,1-Trichloroethane
Concen: 141.659 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 97 Resp: 903077

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	37.7	31.4	47.2



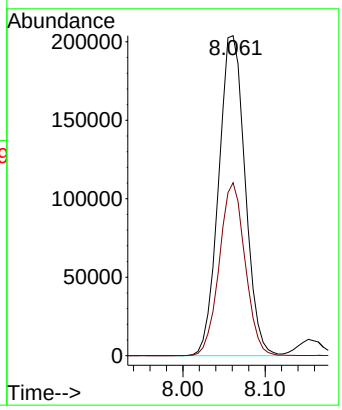


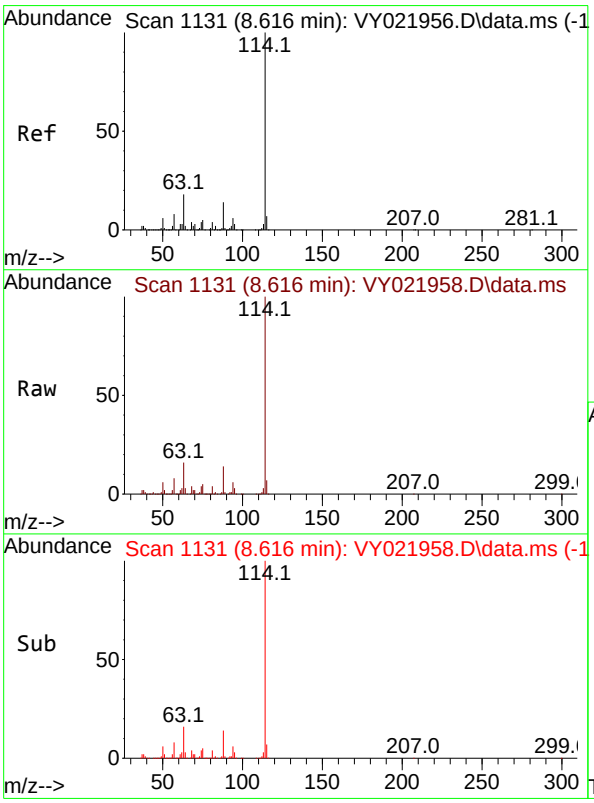
#33
1,2-Dichloroethane-d4
Concen: 138.662 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 455676

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.8

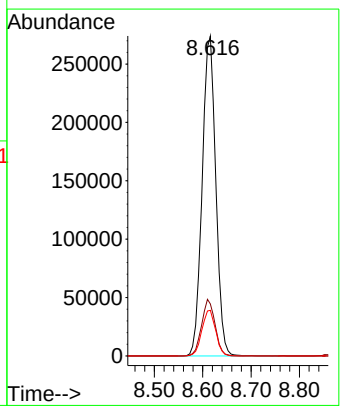


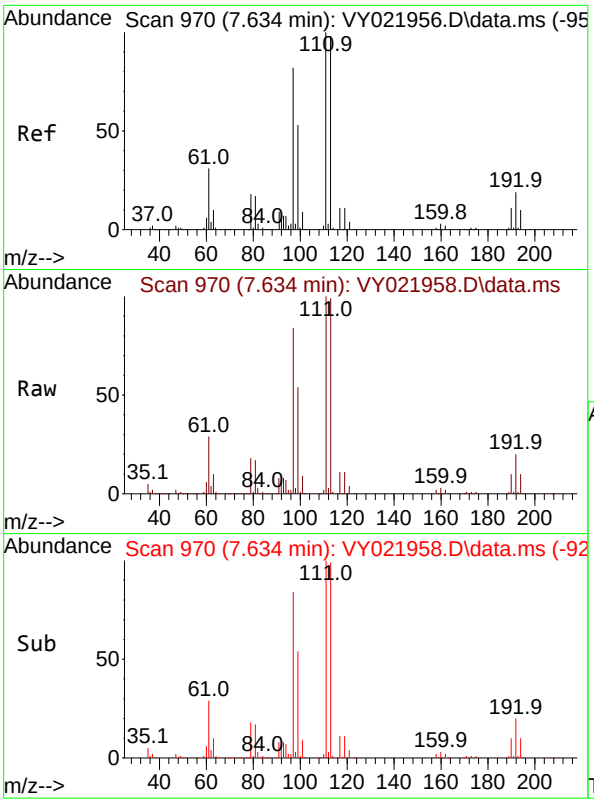


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:114 Resp: 536479

Ion	Ratio	Lower	Upper
114	100		
63	16.3	0.0	35.4
88	14.2	0.0	28.2



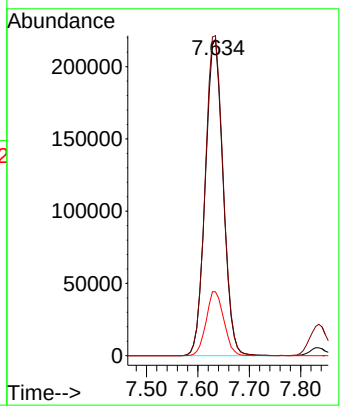


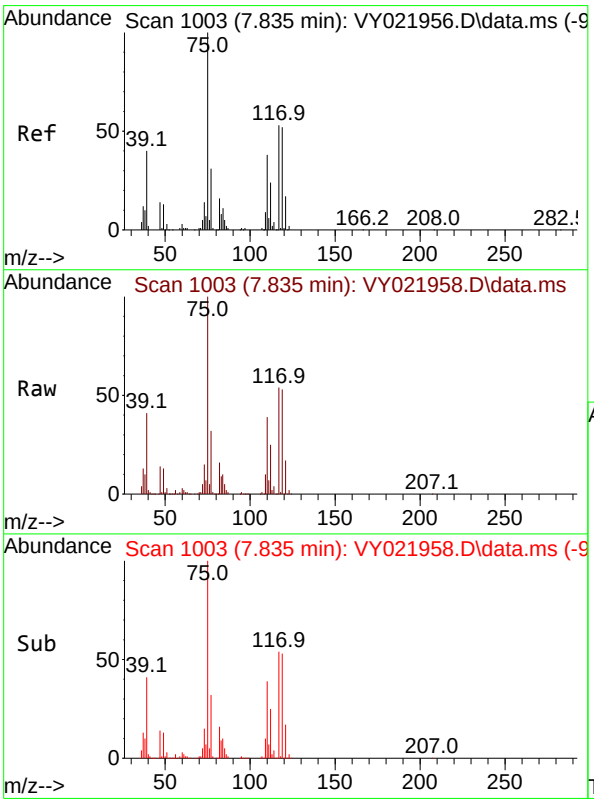
#35
Dibromofluoromethane
Concen: 148.312 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 525659

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	20.2	15.6	23.4

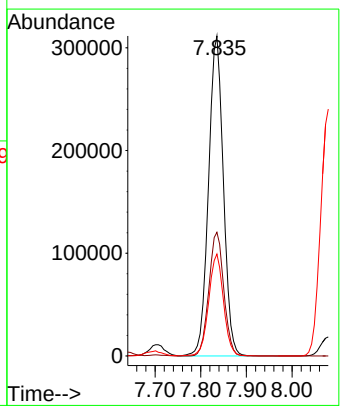


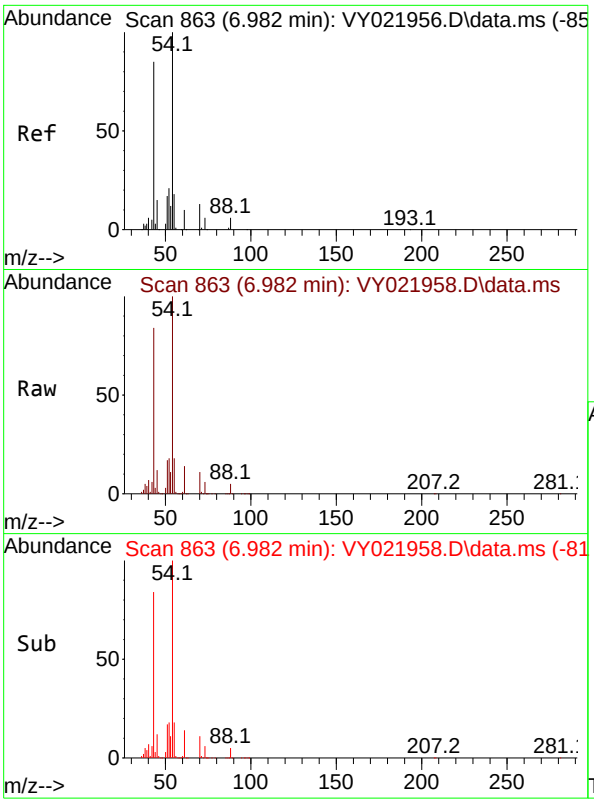


#36
1,1-Dichloropropene
Concen: 147.634 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 702870

Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.1	57.3
77	31.7	25.5	38.3



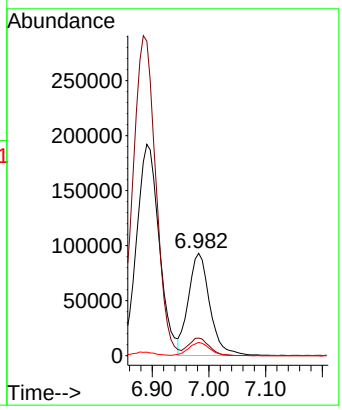


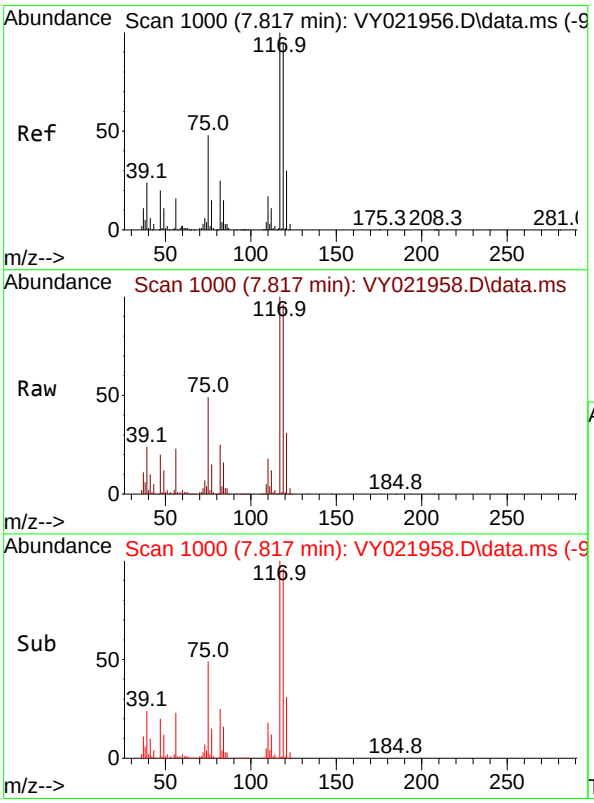
#37
Ethyl Acetate
Concen: 144.169 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 243196

Ion	Ratio	Lower	Upper
43	100		
61	16.6	13.8	20.6
70	12.9	9.2	13.8

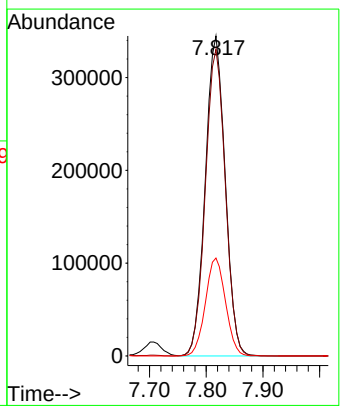


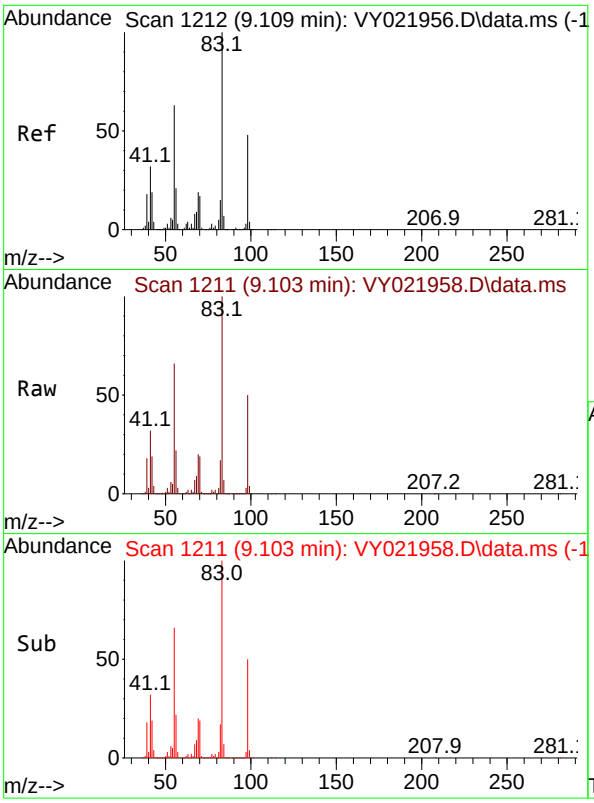


#38
Carbon Tetrachloride
Concen: 147.902 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:117 Resp: 841409

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.4
121	30.6	24.0	36.0



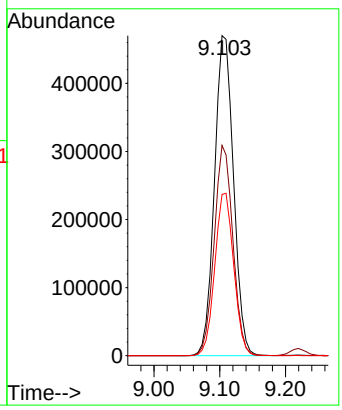


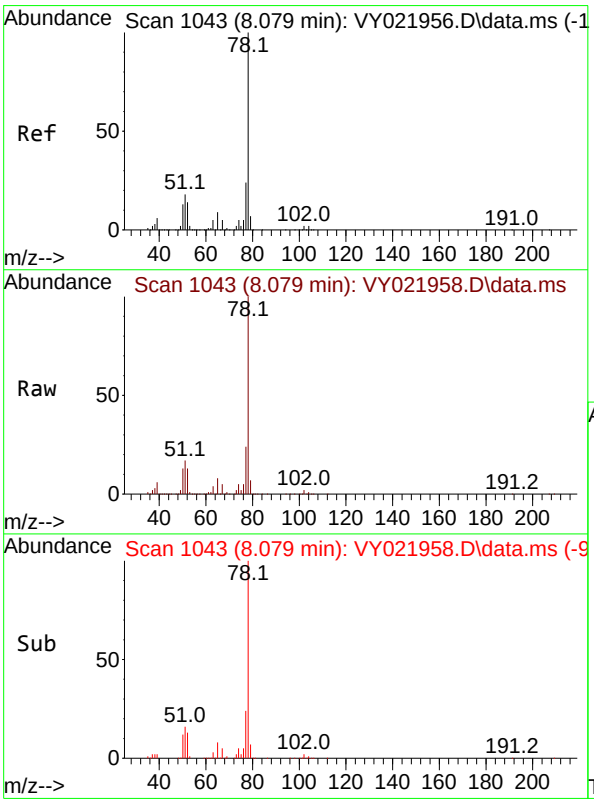
#39
Methylcyclohexane
Concen: 158.153 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 947546

Ion	Ratio	Lower	Upper
83	100		
55	65.7	50.6	75.8
98	50.4	38.6	58.0

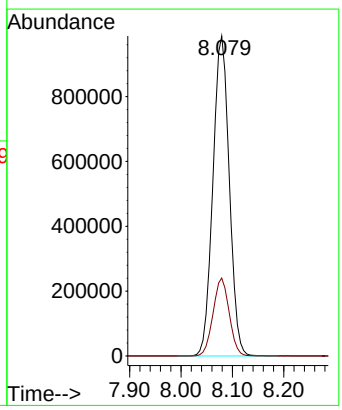


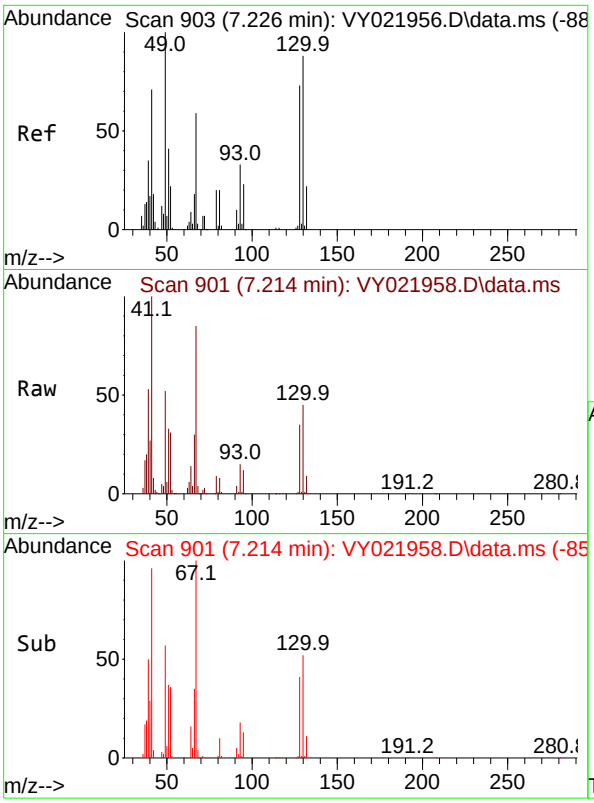


#40
Benzene
Concen: 146.818 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 78 Resp: 2184995

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9



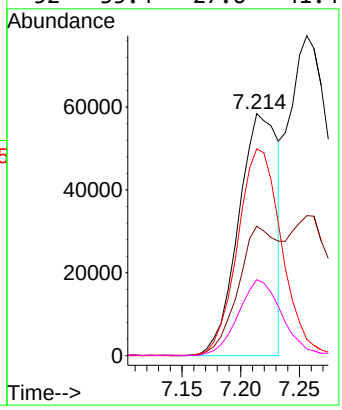


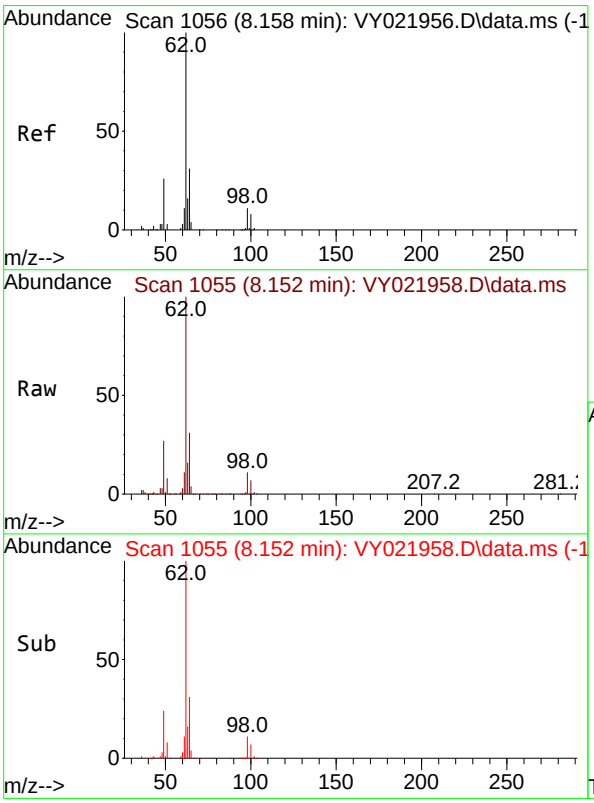
#41
Methacrylonitrile
Concen: 144.765 ug/l
RT: 7.214 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 135364

Ion	Ratio	Lower	Upper
41	100		
39	60.3	36.6	55.0#
67	96.7	72.2	108.4
52	35.4	27.6	41.4

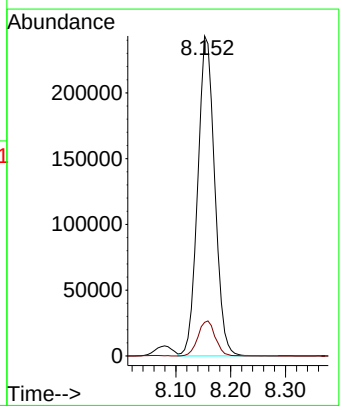


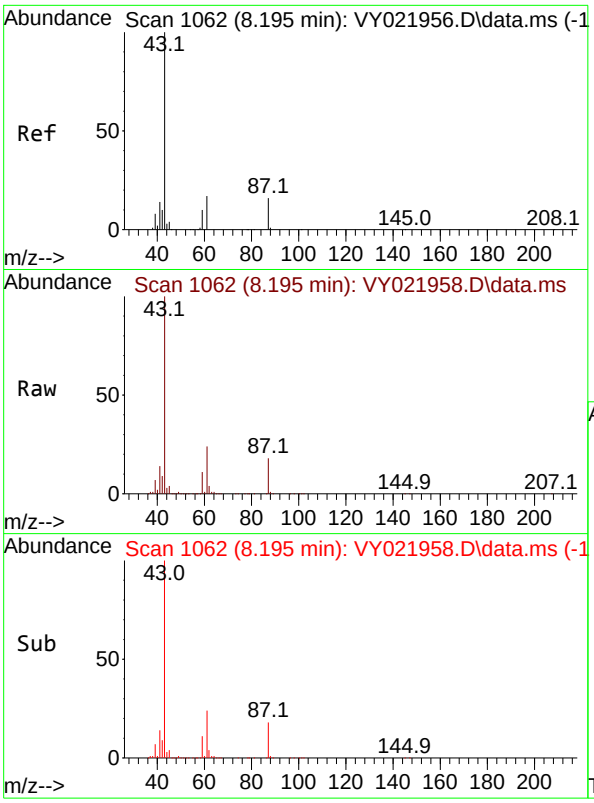


#42
1,2-Dichloroethane
Concen: 141.914 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 62 Resp: 522909

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.0



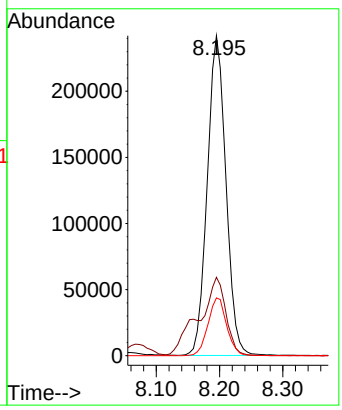


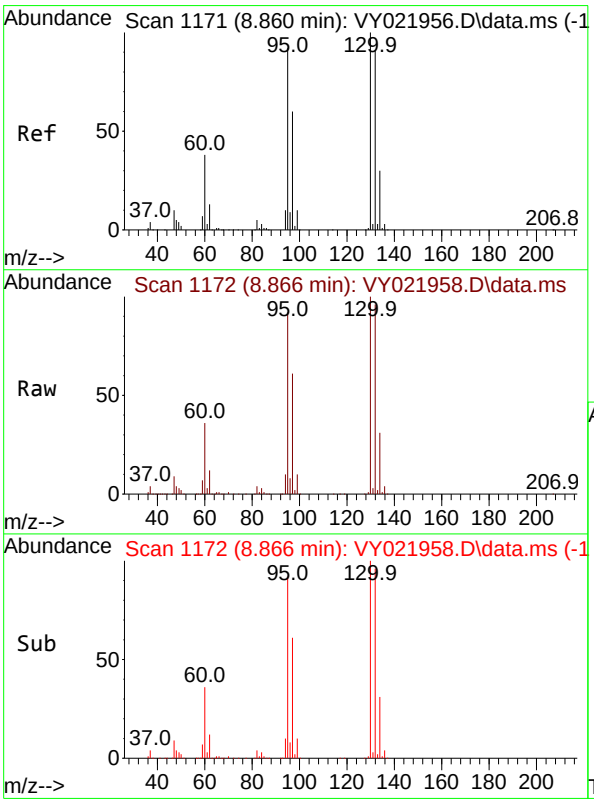
#43
Isopropyl Acetate
Concen: 151.020 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 495904

Ion	Ratio	Lower	Upper
43	100		
61	35.6	18.9	28.3#
87	18.1	13.7	20.5

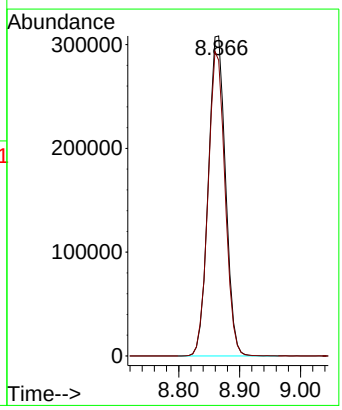


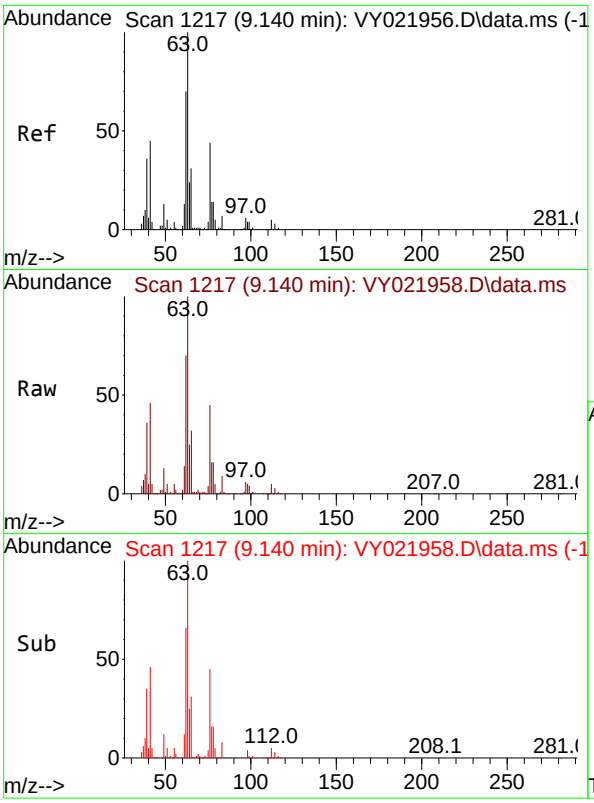


#44
Trichloroethene
Concen: 146.435 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:130 Resp: 603635

Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	183.2



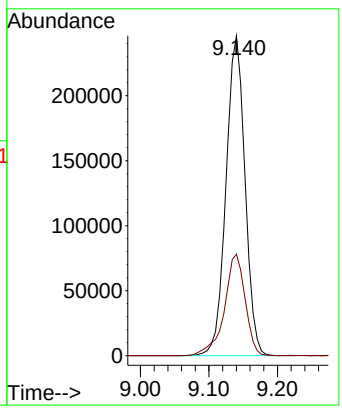


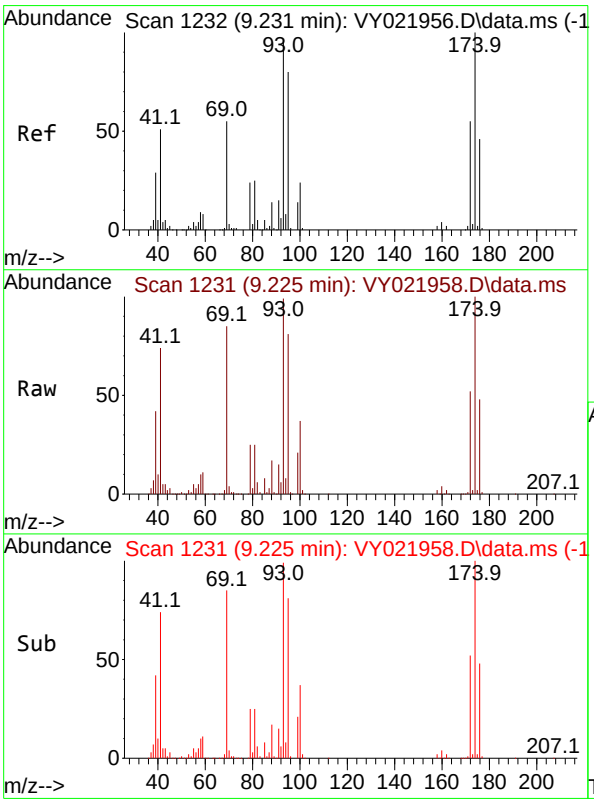
#45
1,2-Dichloropropane
Concen: 143.782 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 473210

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.2	37.8

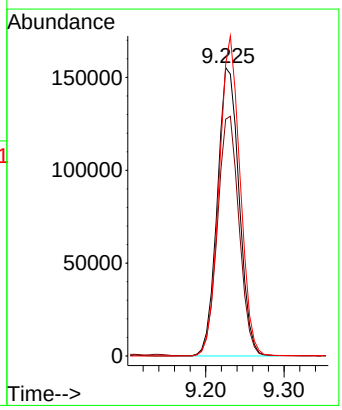


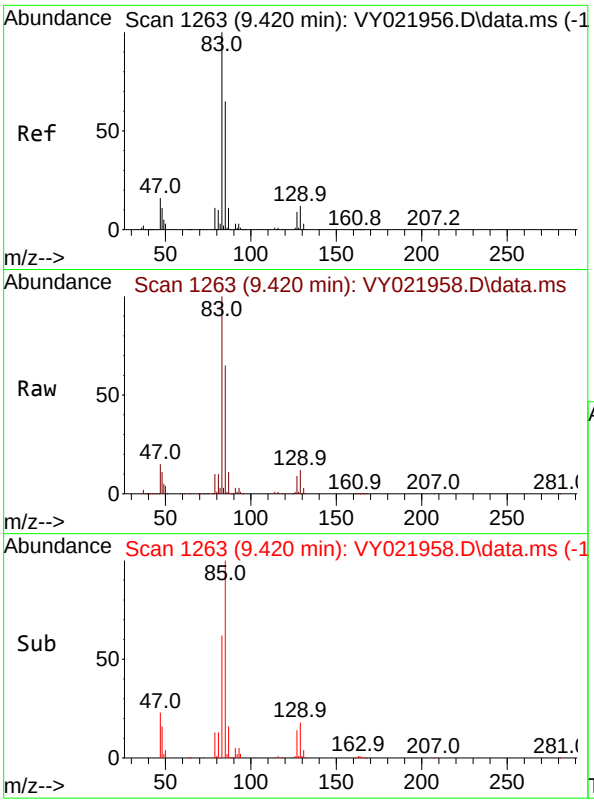


#46
Dibromomethane
Concen: 145.844 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 93 Resp: 300473

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.7	100.1
174	106.9	84.6	127.0



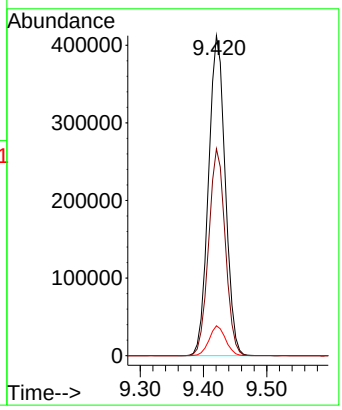


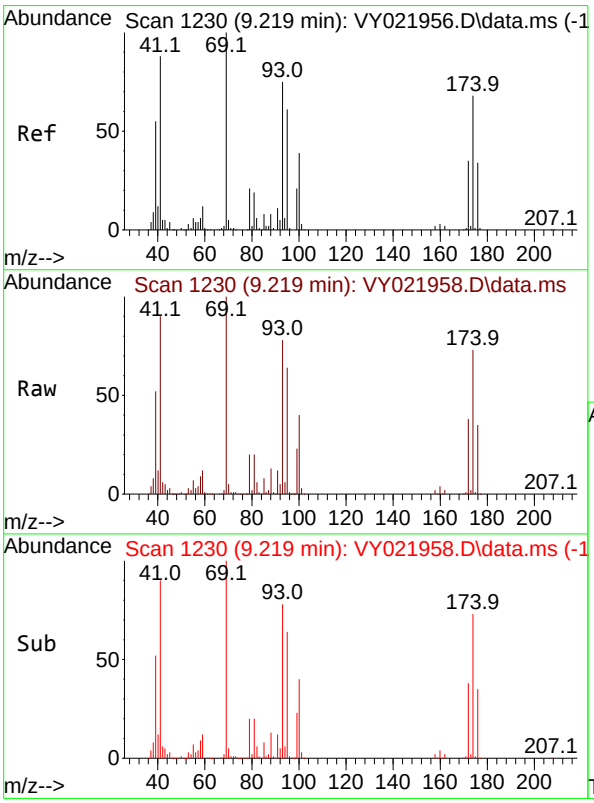
#47
Bromodichloromethane
Concen: 147.426 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 758771

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	9.3	7.0	10.6

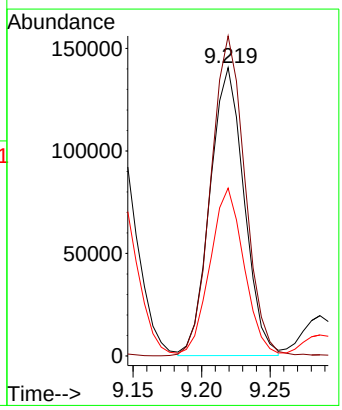


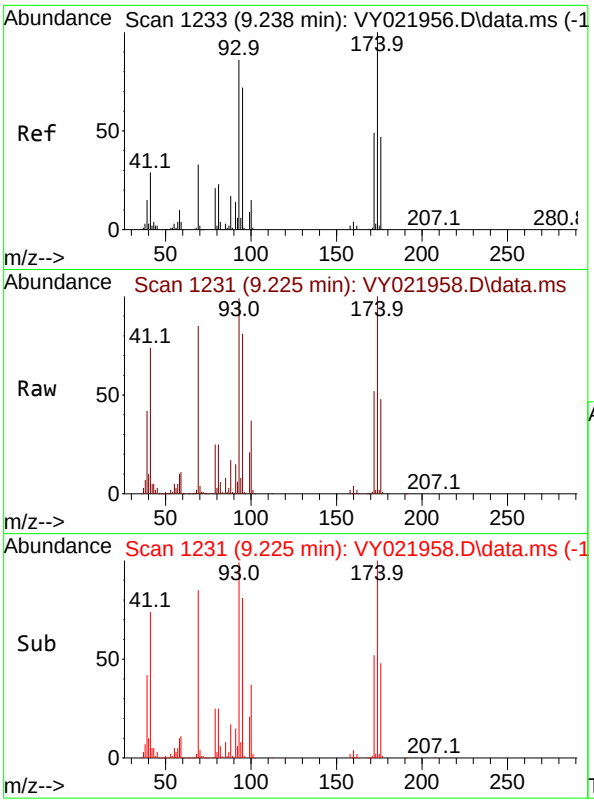


#48
Methyl methacrylate
Concen: 160.190 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 41 Resp: 243168

Ion	Ratio	Lower	Upper
41	100		
69	111.2	85.5	128.3
39	56.5	46.2	69.4



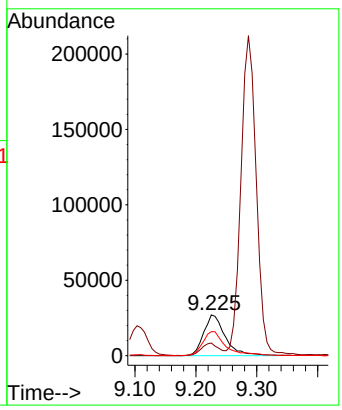


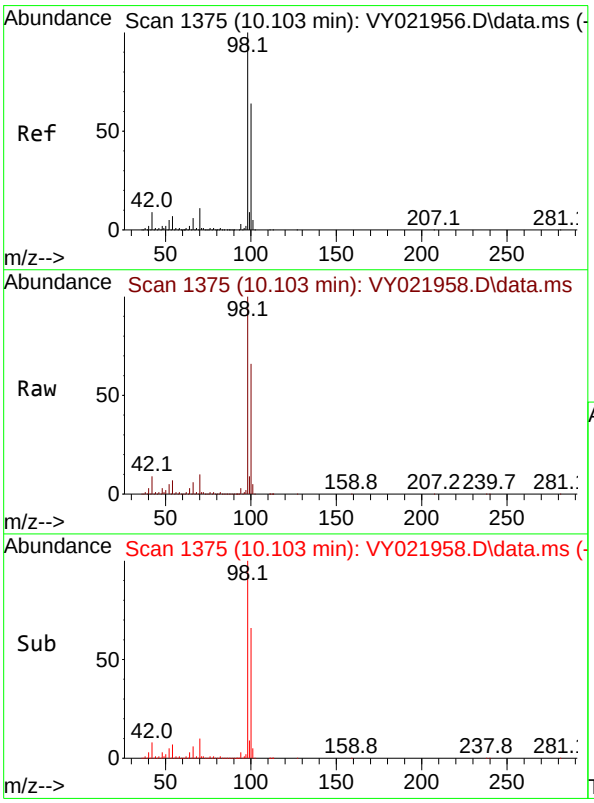
#49
1,4-Dioxane
Concen: 3029.677 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 66528

Ion	Ratio	Lower	Upper
88	100		
43	25.3	21.3	31.9
58	63.5	50.5	75.7

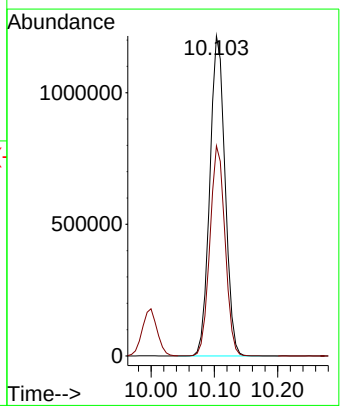


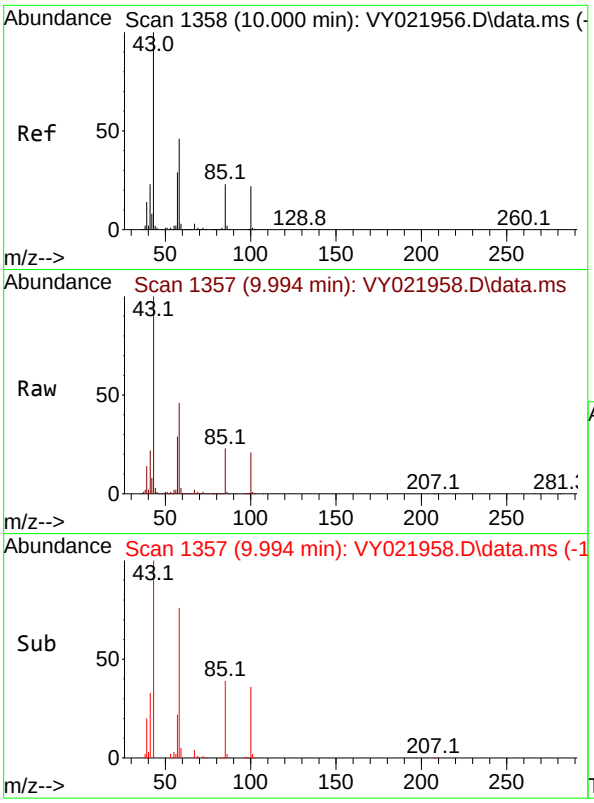


#50
Toluene-d8
Concen: 151.892 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 98 Resp: 2029557

Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.6	77.4



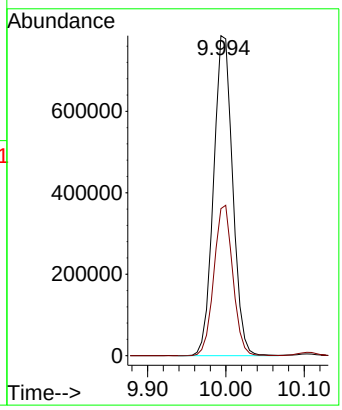


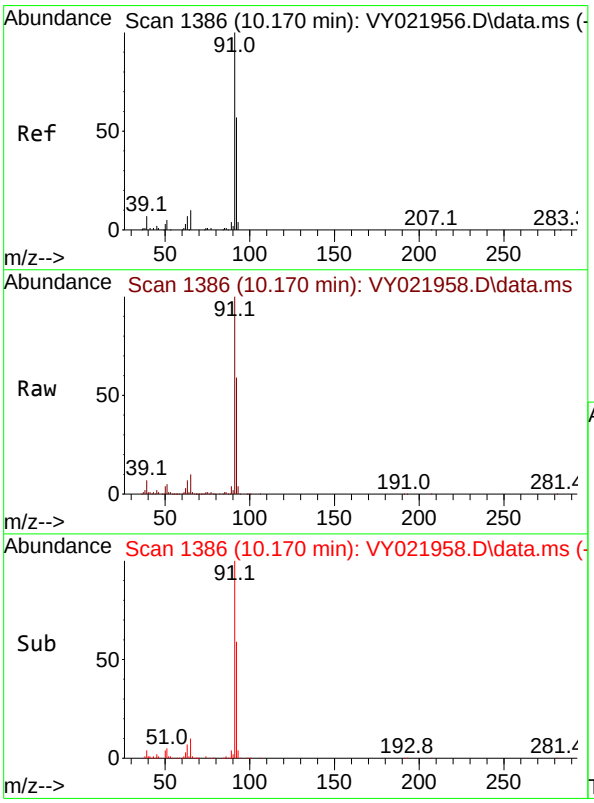
#51
4-Methyl-2-Pentanone
Concen: 773.306 ug/l
RT: 9.994 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1331129

Ion	Ratio	Lower	Upper
43	100		
58	46.5	36.6	55.0

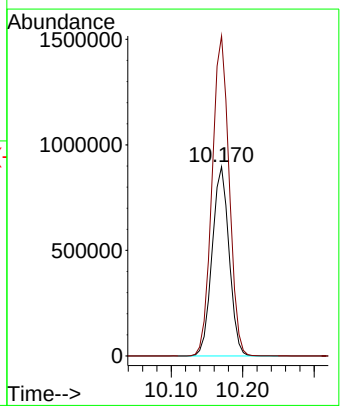


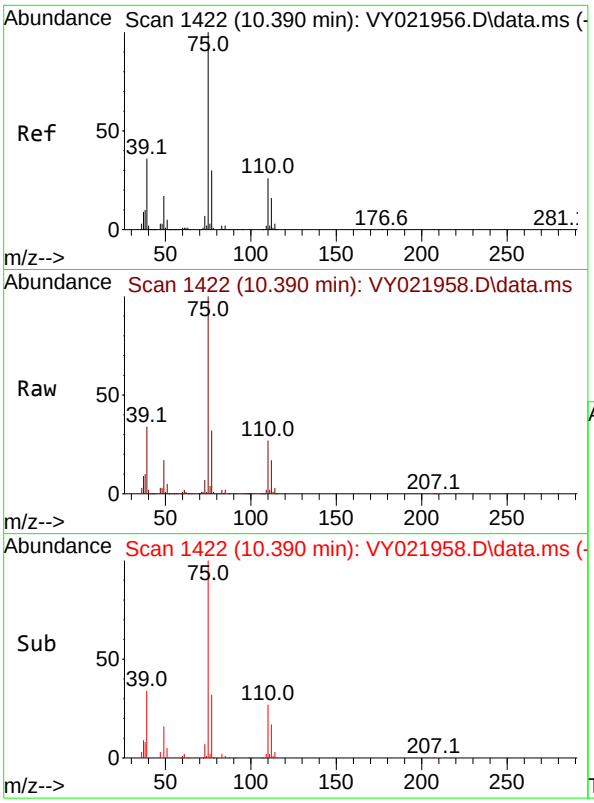


#52
Toluene
Concen: 152.593 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 92 Resp: 1470005

Ion	Ratio	Lower	Upper
92	100		
91	170.9	138.6	207.8



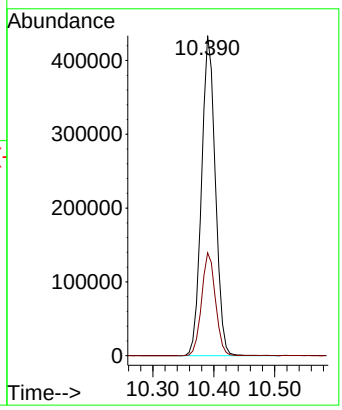


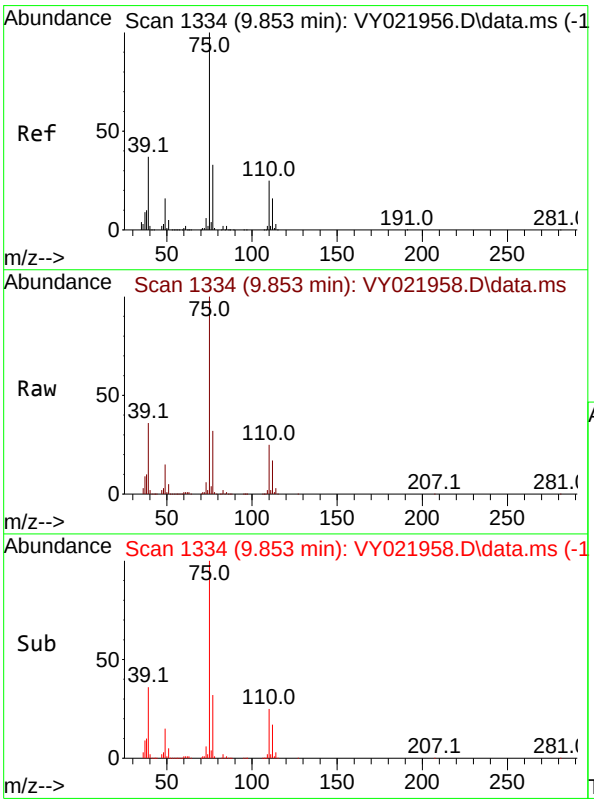
#53
t-1,3-Dichloropropene
Concen: 154.922 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 683926

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.0	36.0

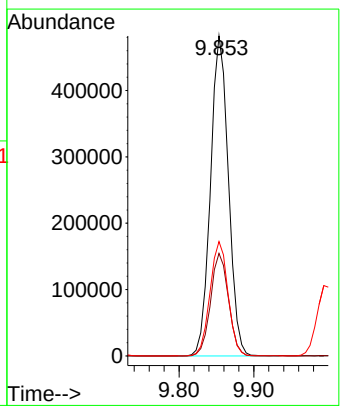


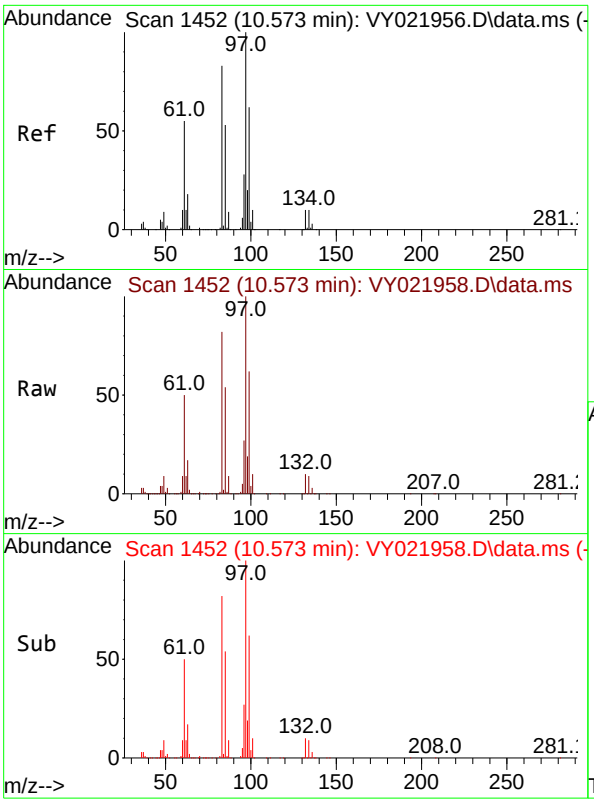


#54
cis-1,3-Dichloropropene
Concen: 153.345 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 804716

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.6	40.0
39	35.7	29.6	44.4



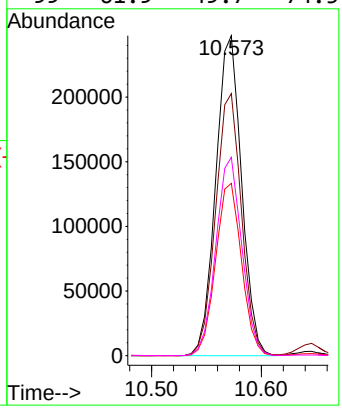


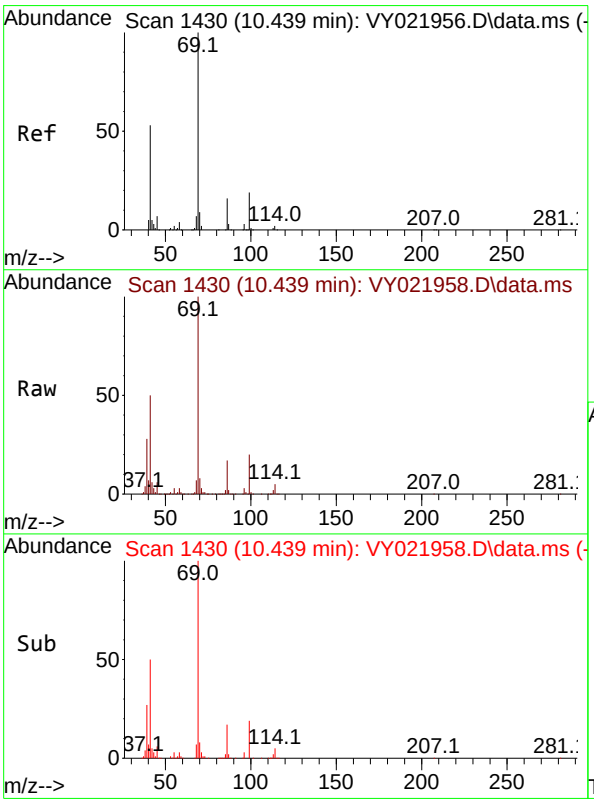
#55
1,1,2-Trichloroethane
Concen: 147.287 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 405335

Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.7	100.1
85	53.9	42.6	64.0
99	61.9	49.7	74.5

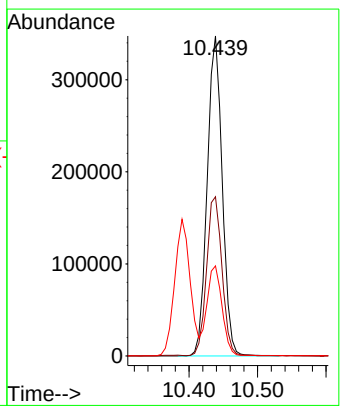


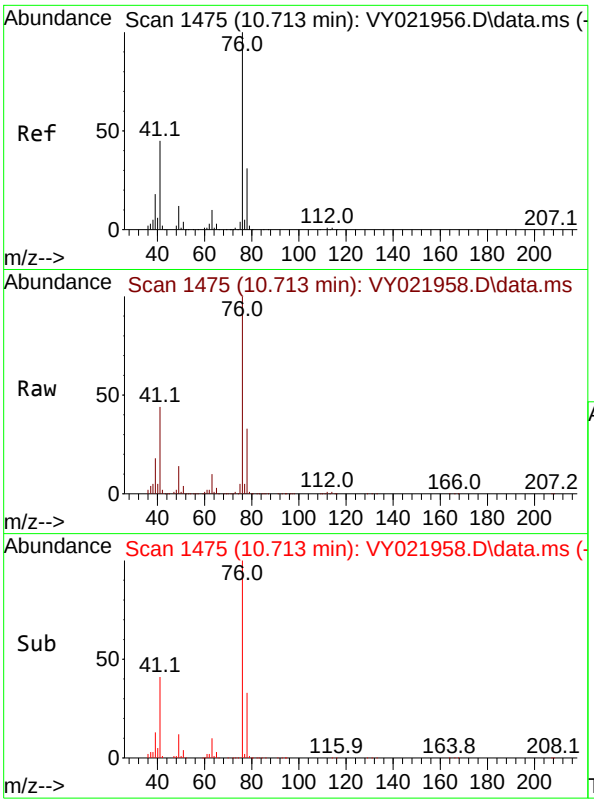


#56
Ethyl methacrylate
Concen: 168.507 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 69 Resp: 530305

Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	28.4	23.3	34.9



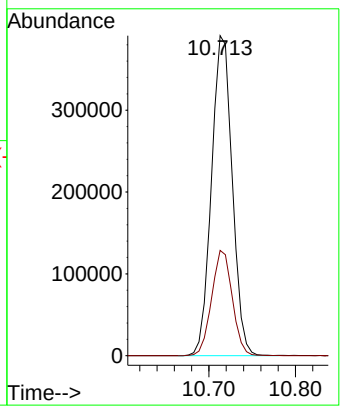


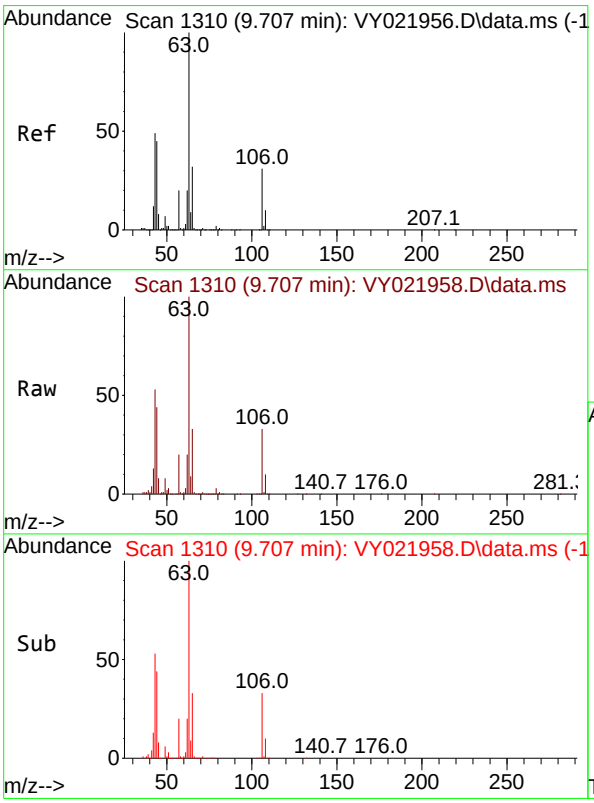
#57
1,3-Dichloropropane
Concen: 147.471 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 650614

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

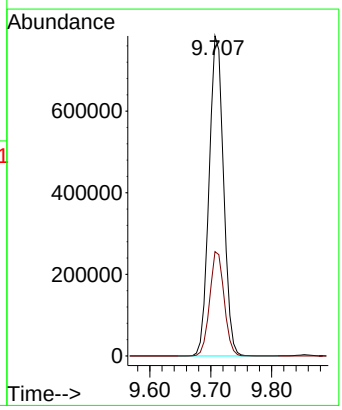


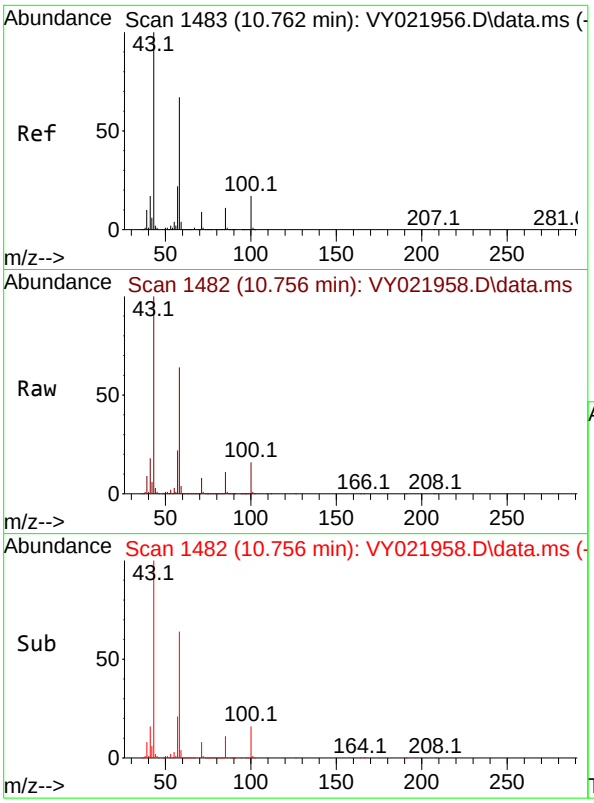


#58
2-Chloroethyl Vinyl ether
Concen: 840.076 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 63 Resp: 1292633

Ion	Ratio	Lower	Upper
63	100		
106	32.5	25.3	37.9



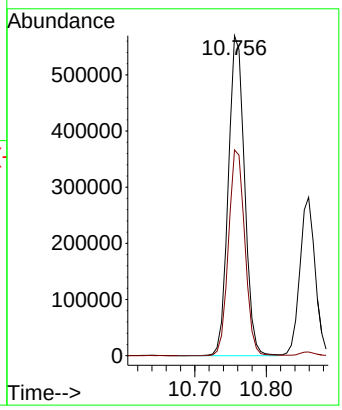


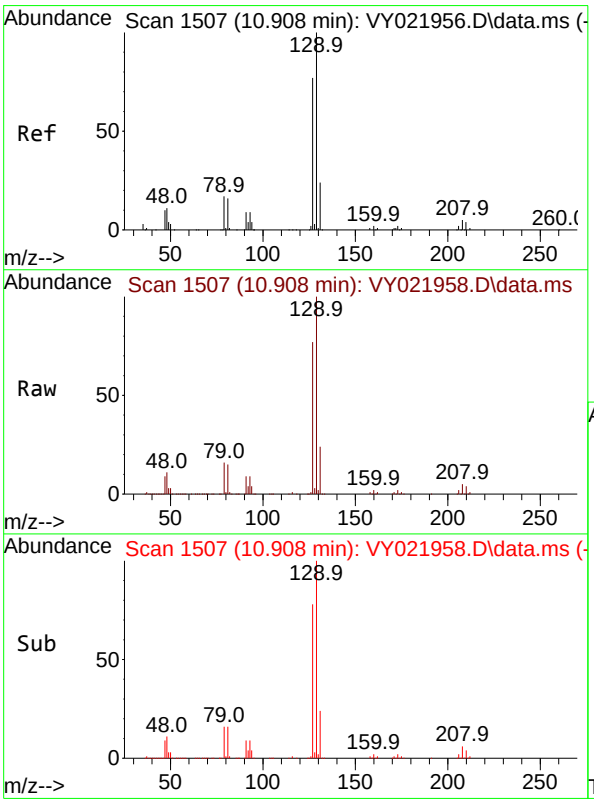
#59
2-Hexanone
Concen: 789.752 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 896663

Ion	Ratio	Lower	Upper
43	100		
58	64.8	32.0	96.0

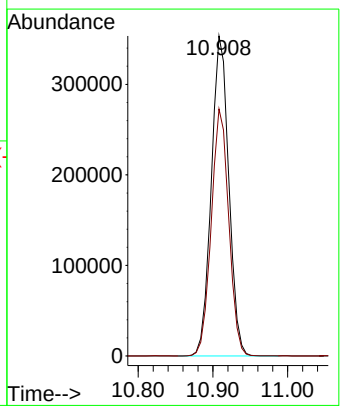


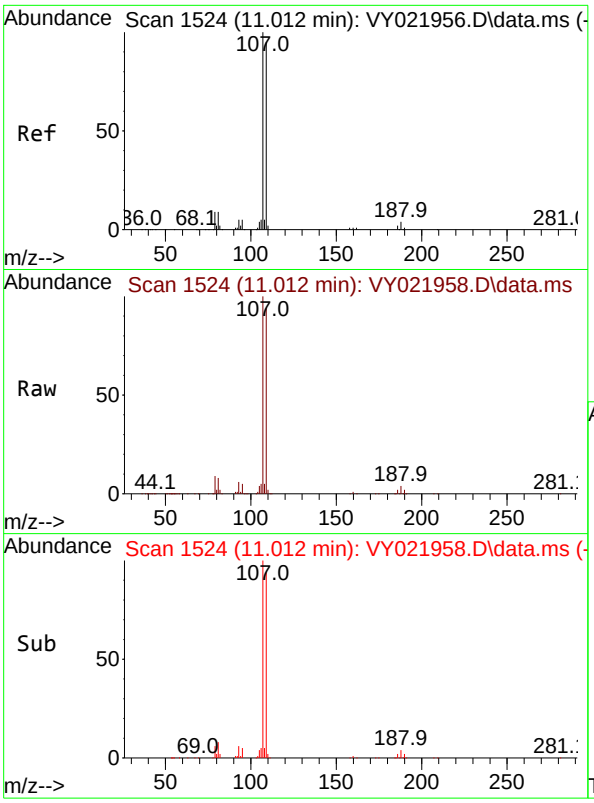


#60
Dibromochloromethane
Concen: 150.763 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:129 Resp: 574423

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.3



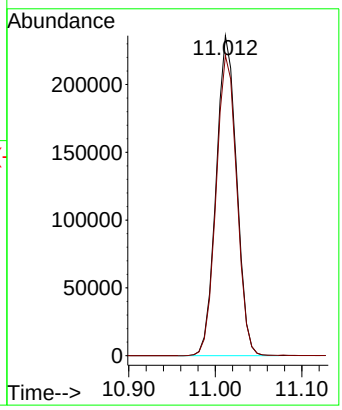


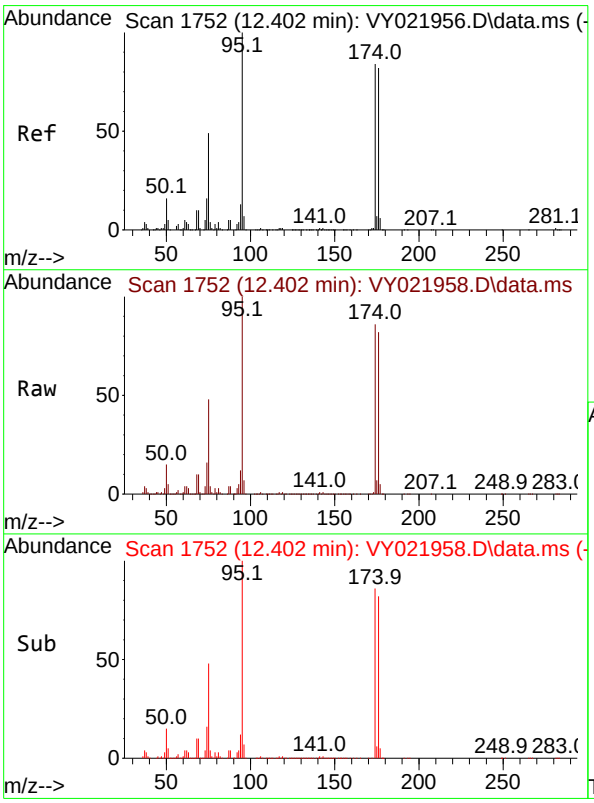
#61
1,2-Dibromoethane
Concen: 148.938 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 386950

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.8	113.8

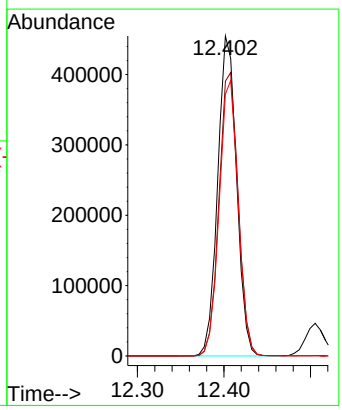


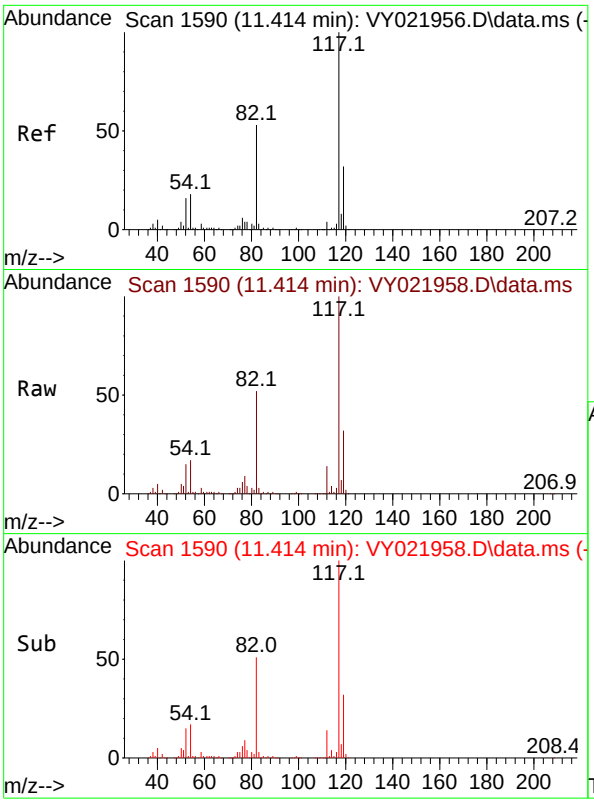


#62
4-Bromofluorobenzene
Concen: 152.965 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 95 Resp: 688061

Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	179.0
176	86.9	0.0	171.8



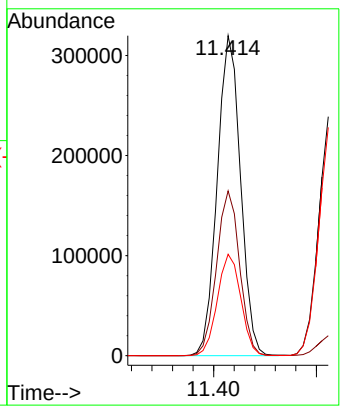


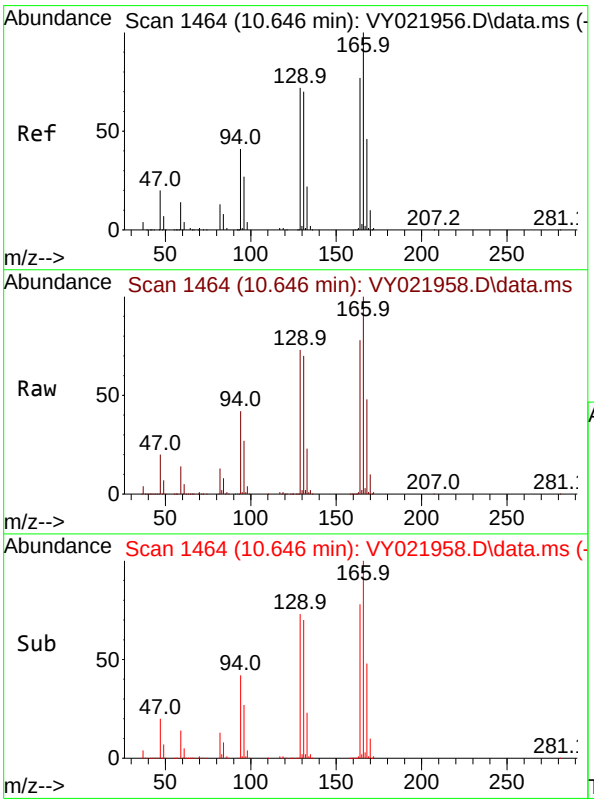
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 502246

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.1	63.1
119	31.7	25.7	38.5

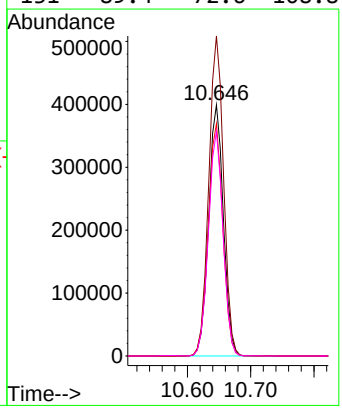


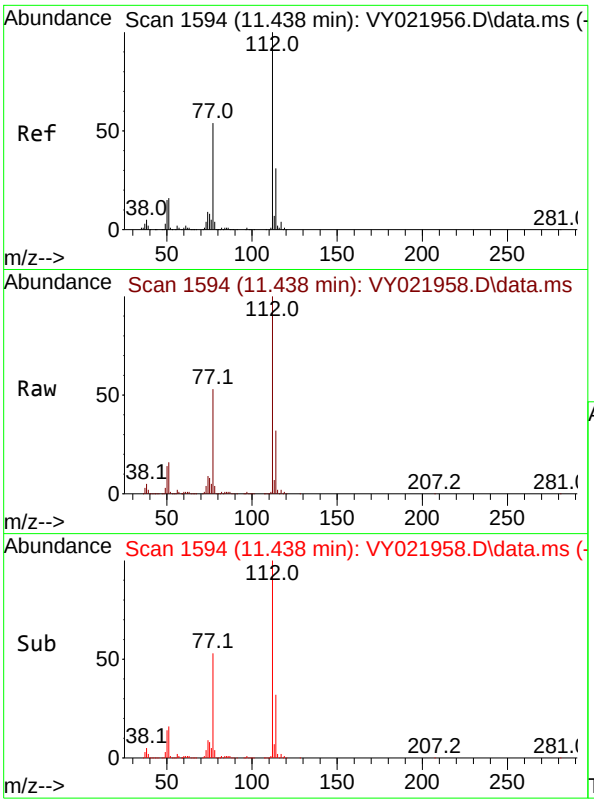


#64
Tetrachloroethene
Concen: 136.828 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:164 Resp: 648295

Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.6	155.4
129	92.5	74.2	111.4
131	89.4	72.6	108.8



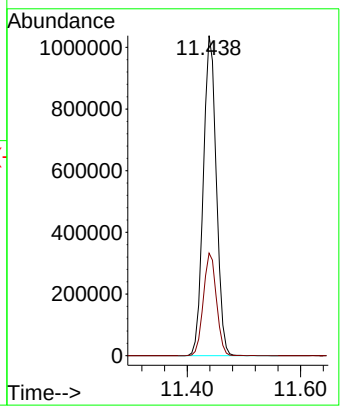


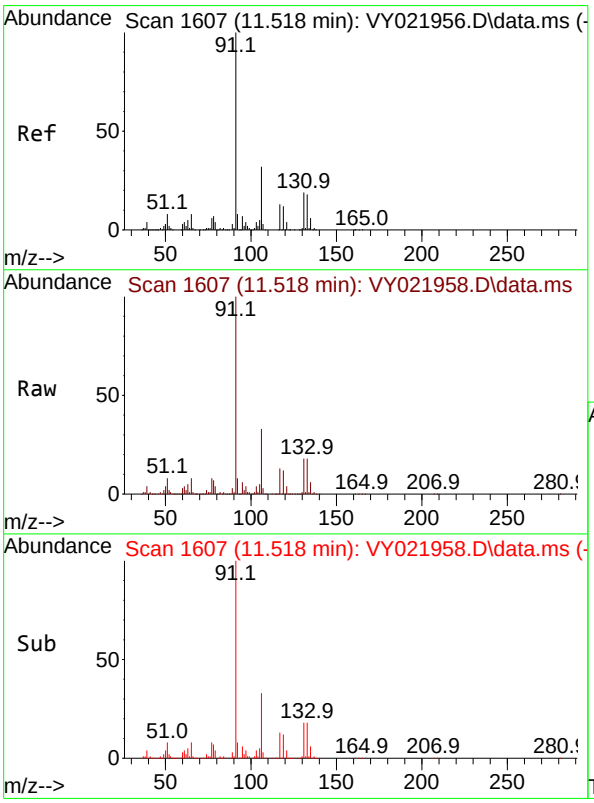
#65
Chlorobenzene
Concen: 146.452 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1644879

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.0	37.4

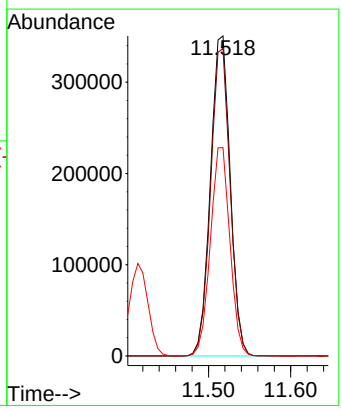


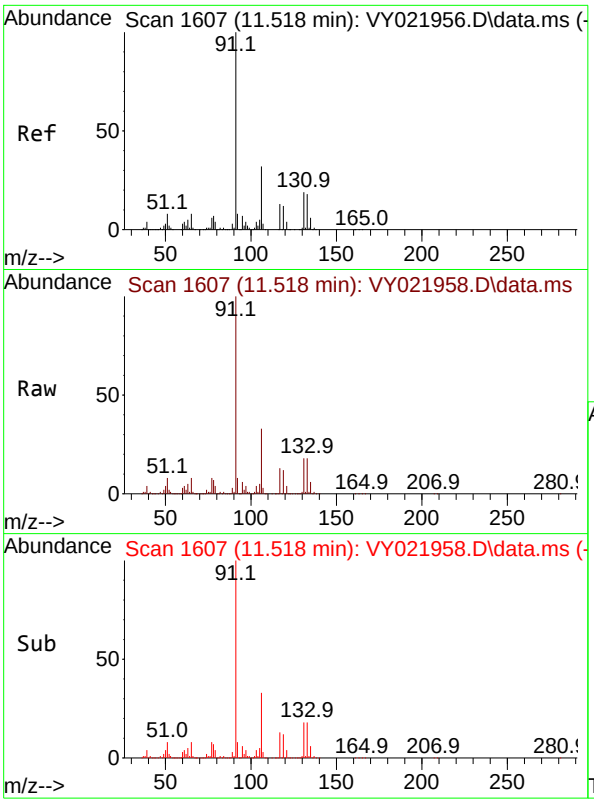


#66
1,1,1,2-Tetrachloroethane
Concen: 147.925 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:131 Resp: 584913

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.3
119	64.6	32.4	97.0



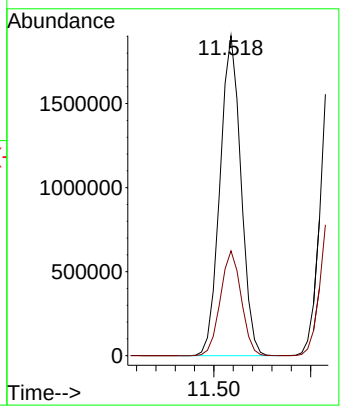


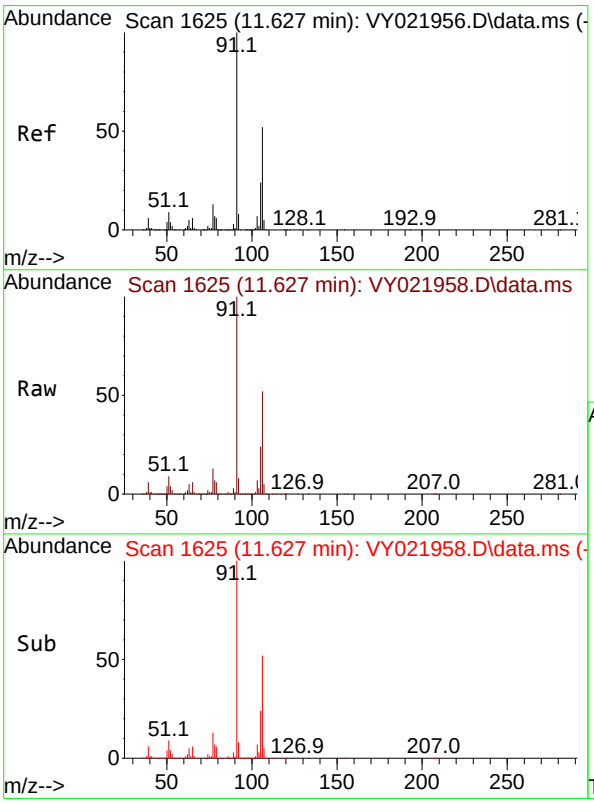
#67
Ethyl Benzene
Concen: 155.641 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2859582

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.9	38.9

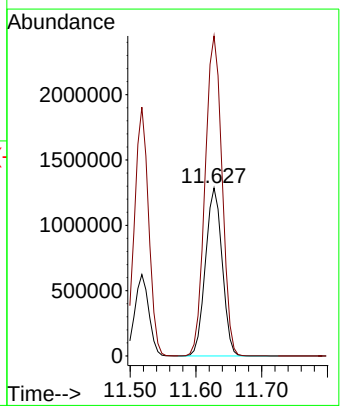


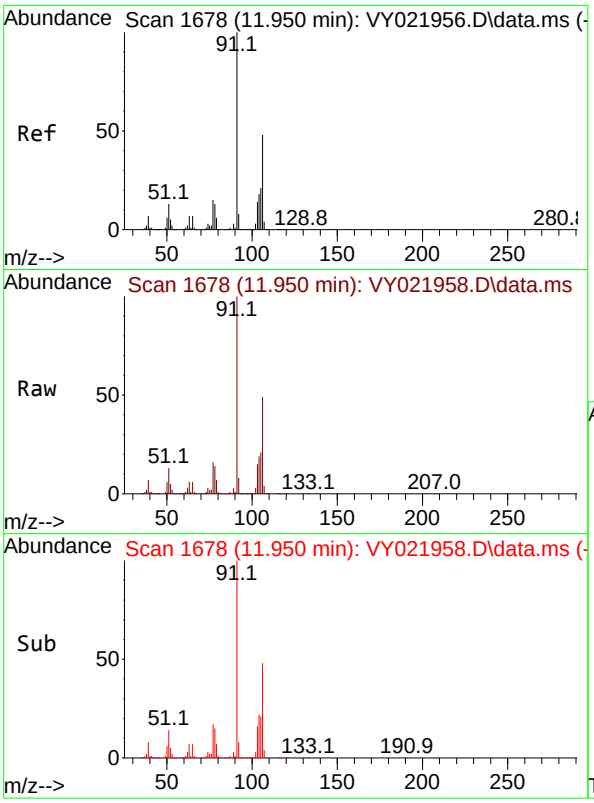


#68
m/p-Xylenes
Concen: 310.594 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:106 Resp: 2270756

Ion	Ratio	Lower	Upper
106	100		
91	193.3	156.2	234.2



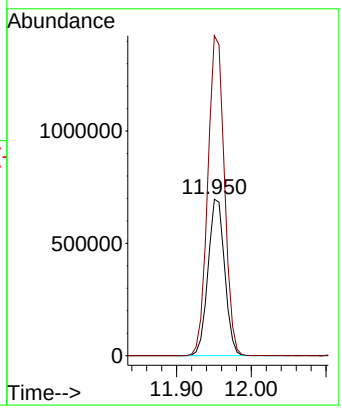


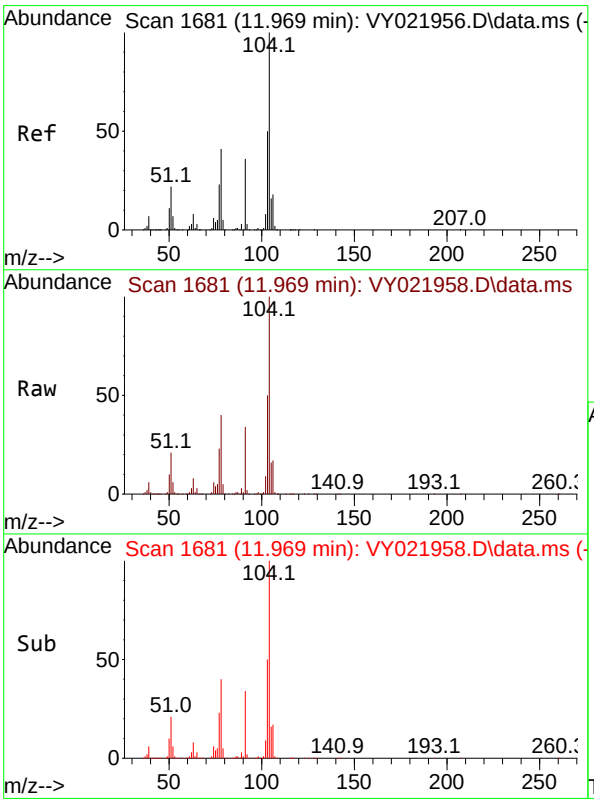
#69
o-Xylene
Concen: 160.131 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 1079036

Ion	Ratio	Lower	Upper
106	100		
91	204.3	103.0	308.9

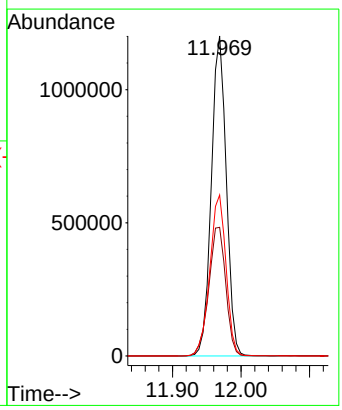


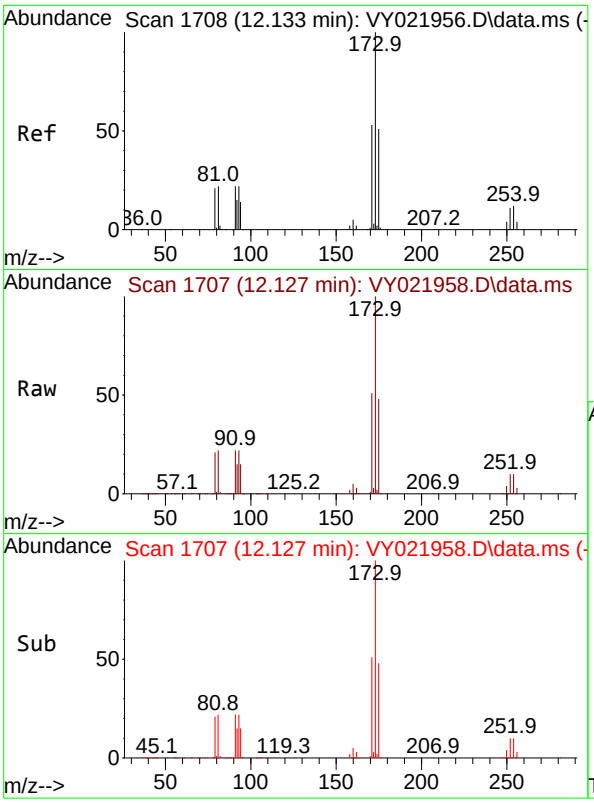


#70
Styrene
Concen: 160.979 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:104 Resp: 1821333

Ion	Ratio	Lower	Upper
104	100		
78	45.7	36.6	54.8
103	54.6	43.8	65.8



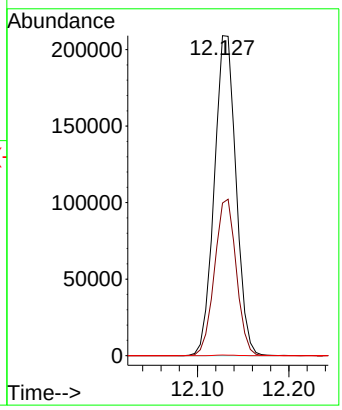


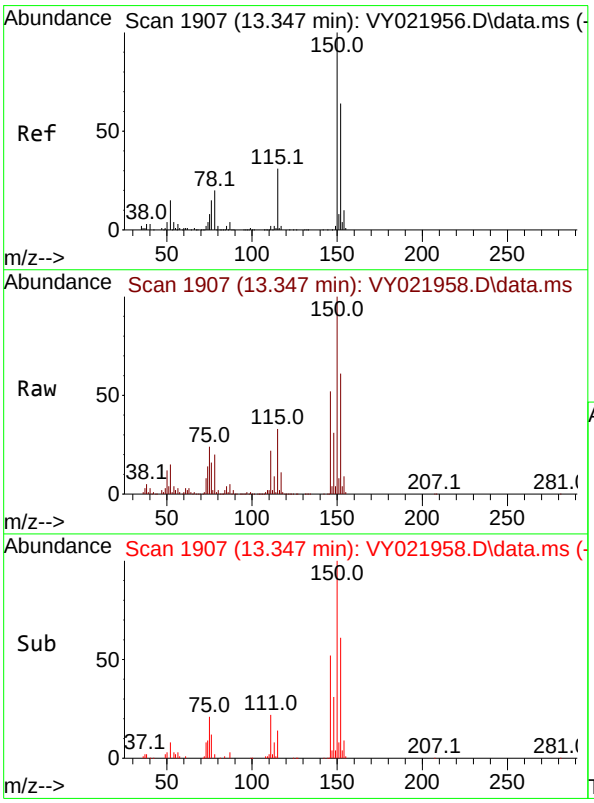
#71
Bromoform
Concen: 150.413 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 345783

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.2	0.0	0.0#

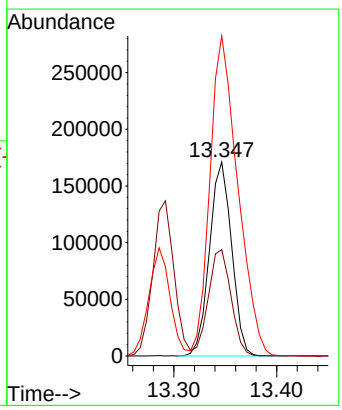


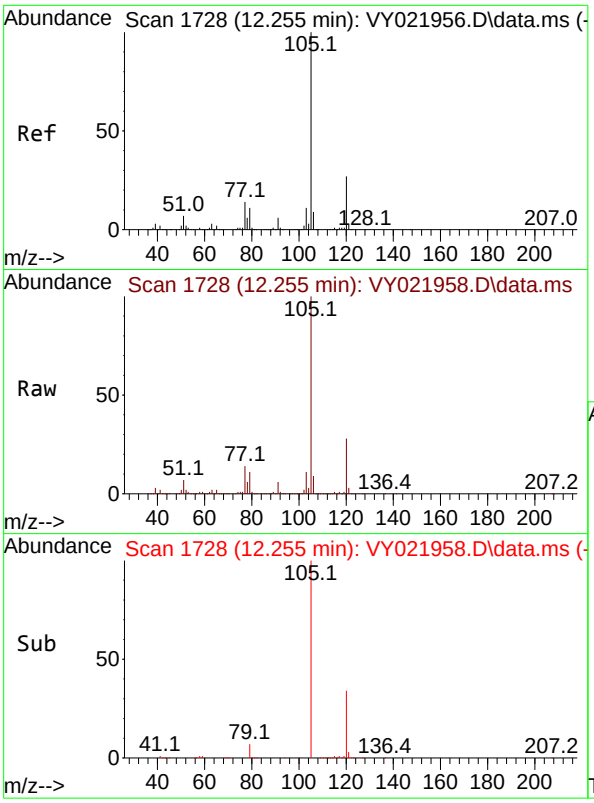


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:152 Resp: 256233

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	207.6	0.0	345.6



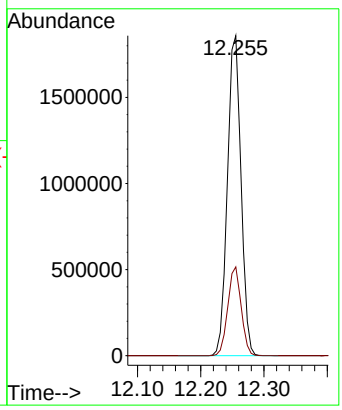


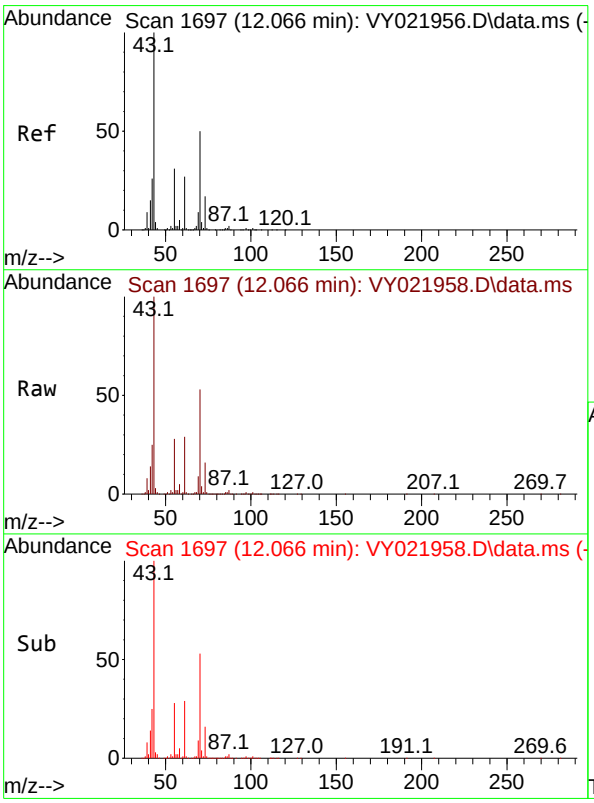
#73
Isopropylbenzene
Concen: 161.622 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2766822

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5

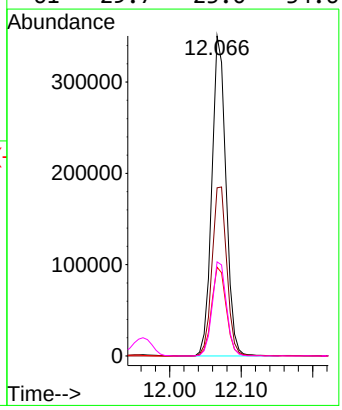


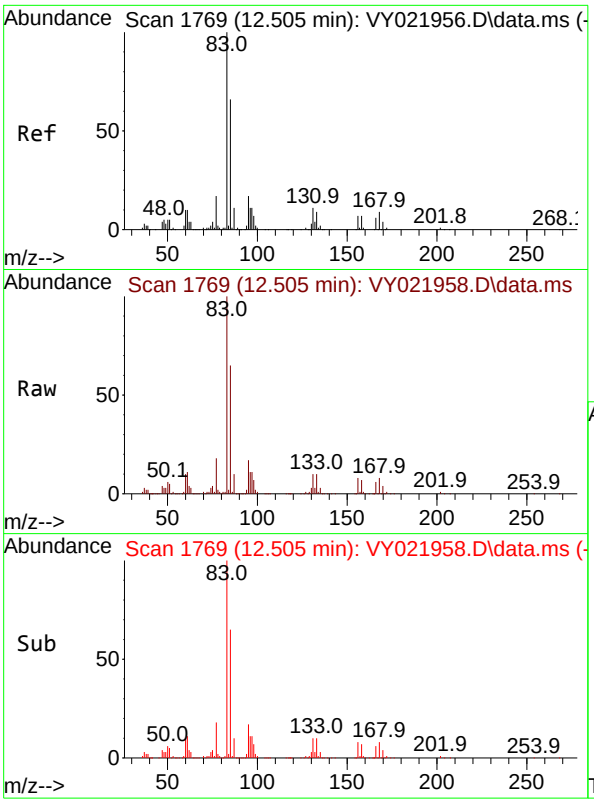


#74
N-amyl acetate
Concen: 163.570 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 43 Resp: 481095

Ion	Ratio	Lower	Upper
43	100		
70	55.2	43.2	64.8
55	29.0	25.7	38.5
61	29.7	23.0	34.6



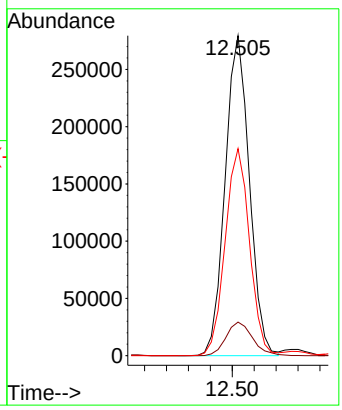


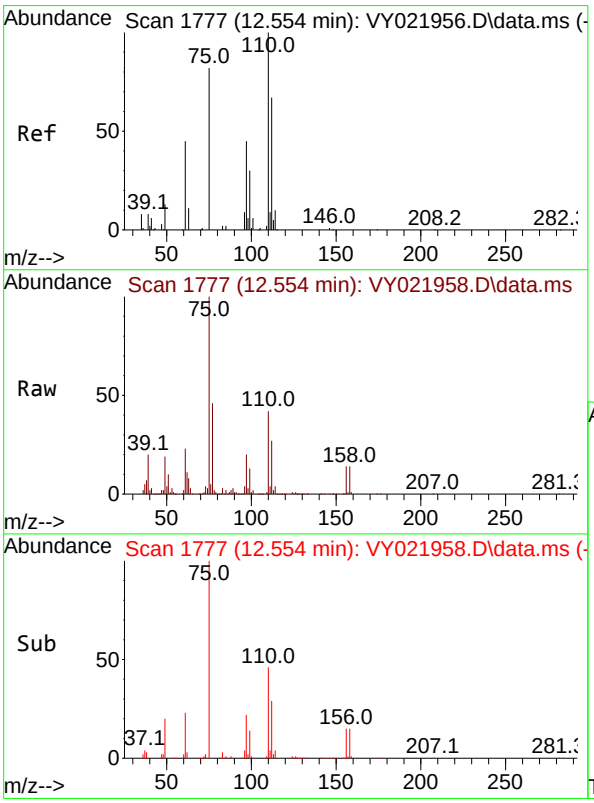
#75
1,1,2,2-Tetrachloroethane
Concen: 148.581 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 428838

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.4
85	65.1	32.3	96.8

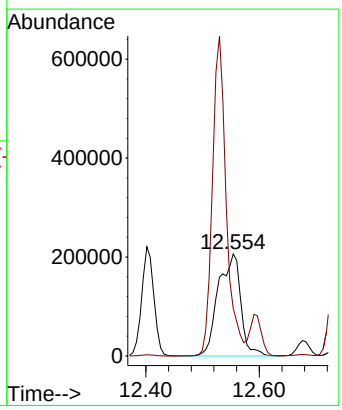


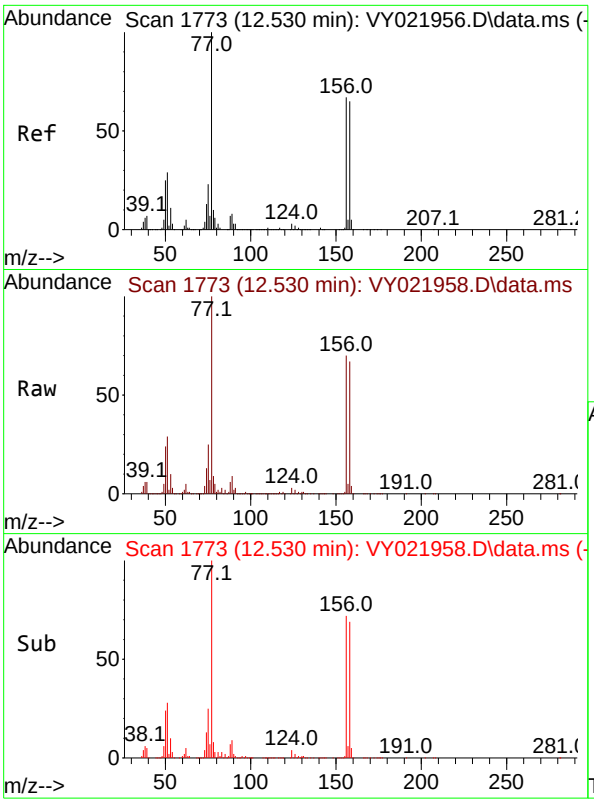


#76
1,2,3-Trichloropropane
Concen: 251.190 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 567132

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



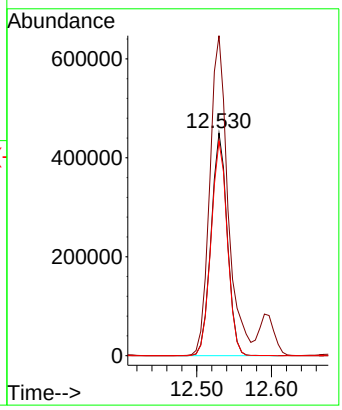


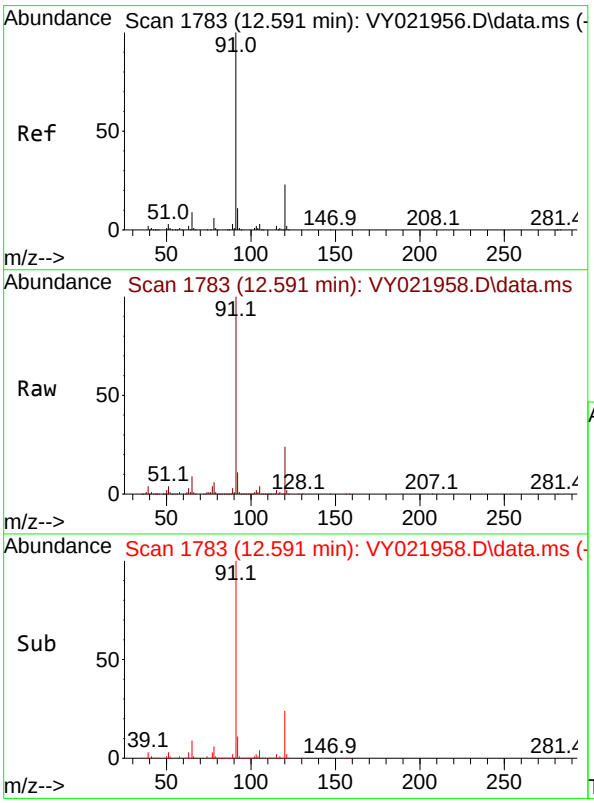
#77
Bromobenzene
Concen: 156.545 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 677176

Ion	Ratio	Lower	Upper
156	100		
77	161.9	82.7	248.1
158	97.2	48.1	144.4

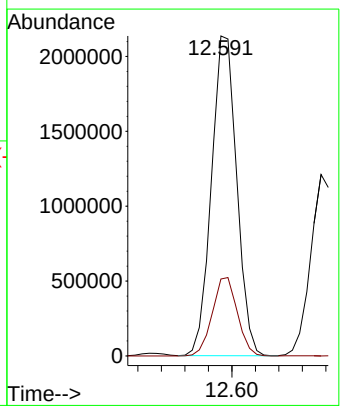


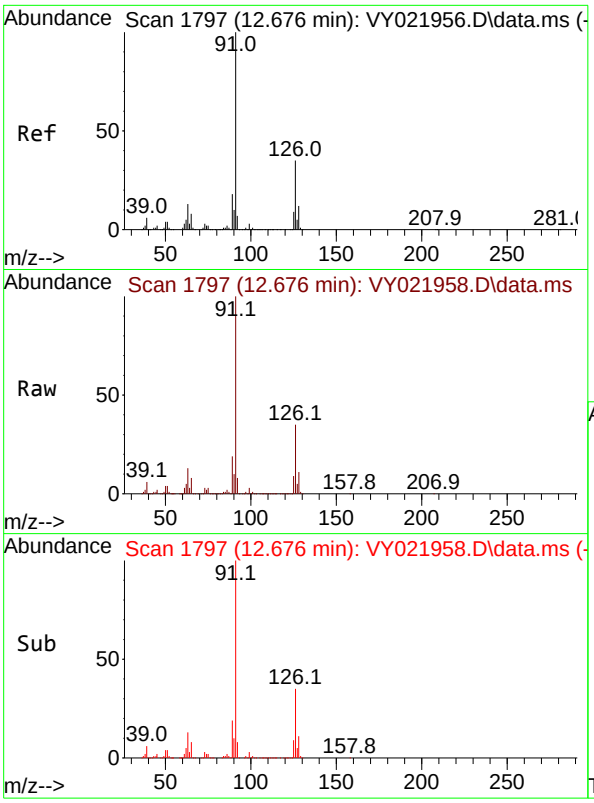


#78
n-propylbenzene
Concen: 156.567 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 3191904

Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.5



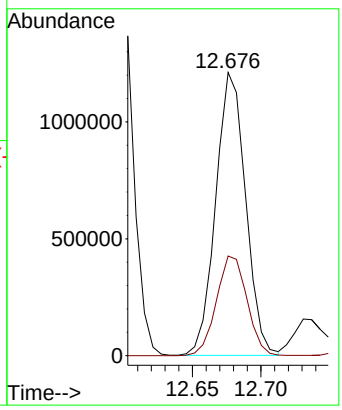


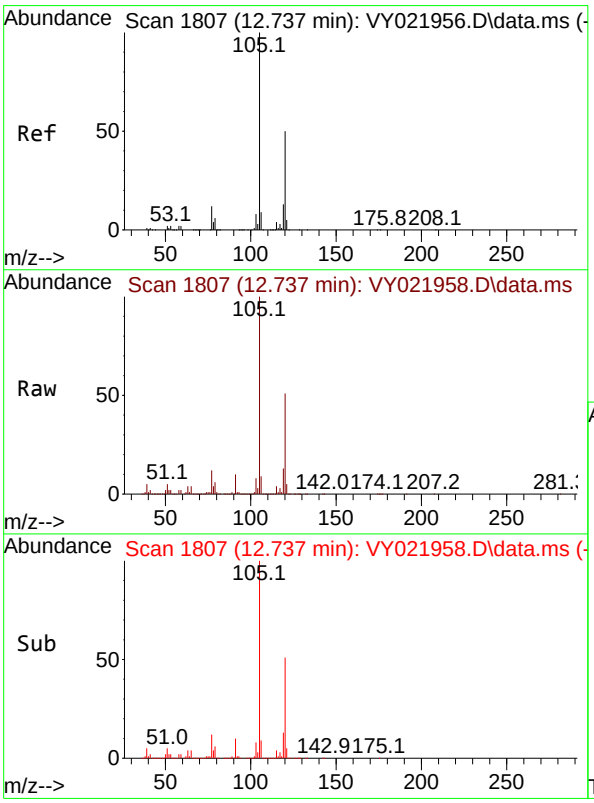
#79
2-Chlorotoluene
Concen: 155.043 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1838218

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8

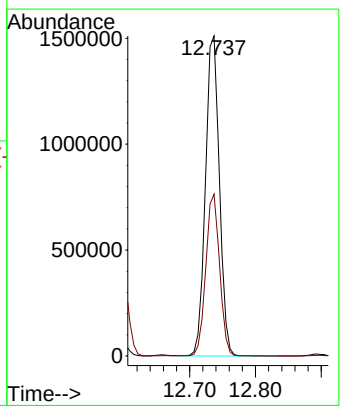


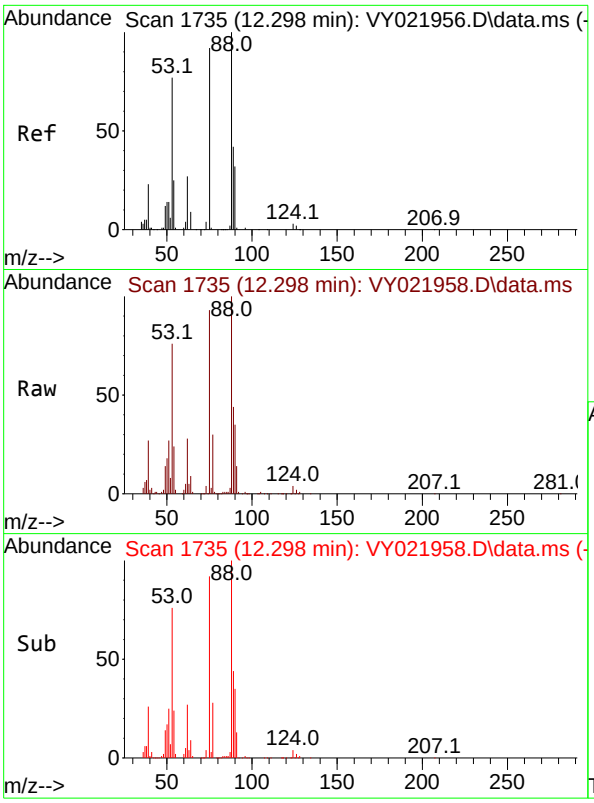


#80
1,3,5-Trimethylbenzene
Concen: 157.948 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:105 Resp: 2227887

Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.0	75.0



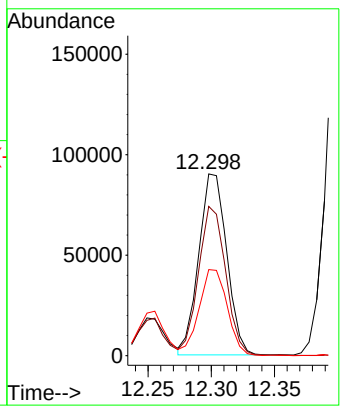


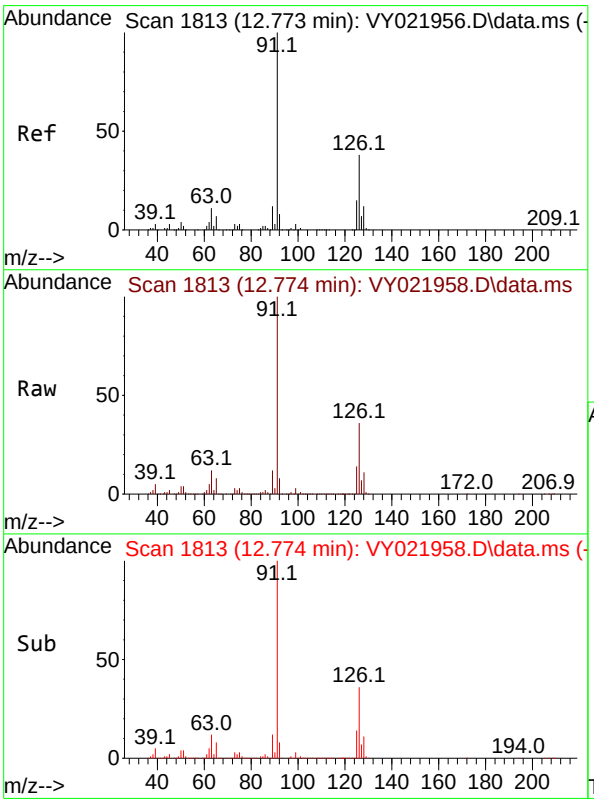
#81
trans-1,4-Dichloro-2-butene
Concen: 152.337 ug/l
RT: 12.298 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 138838

Ion	Ratio	Lower	Upper
75	100		
53	80.5	66.0	99.0
89	48.1	37.2	55.8

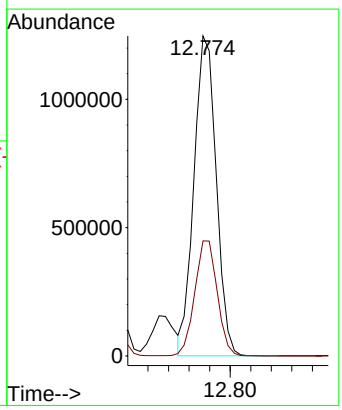


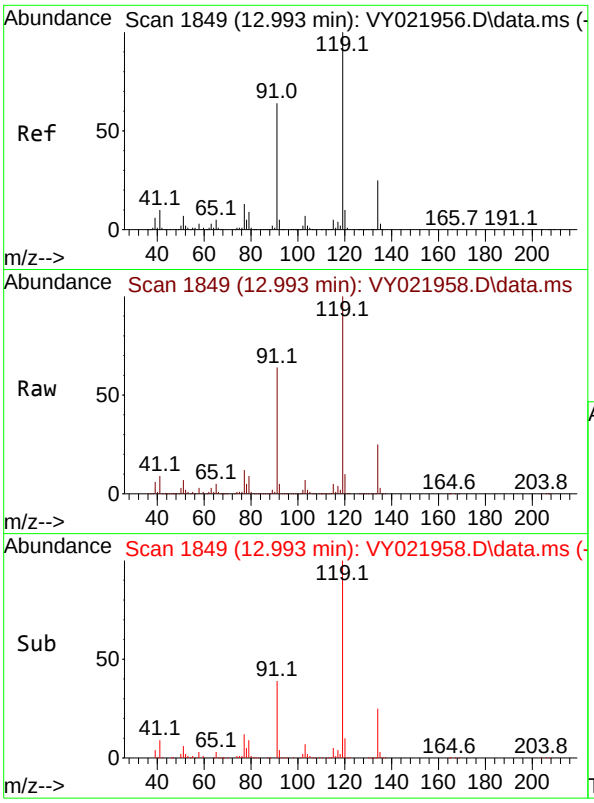


#82
4-Chlorotoluene
Concen: 152.484 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 91 Resp: 1879346

Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.9	53.8



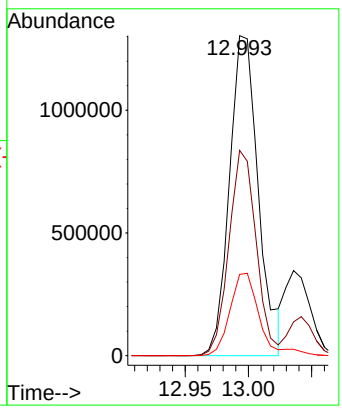


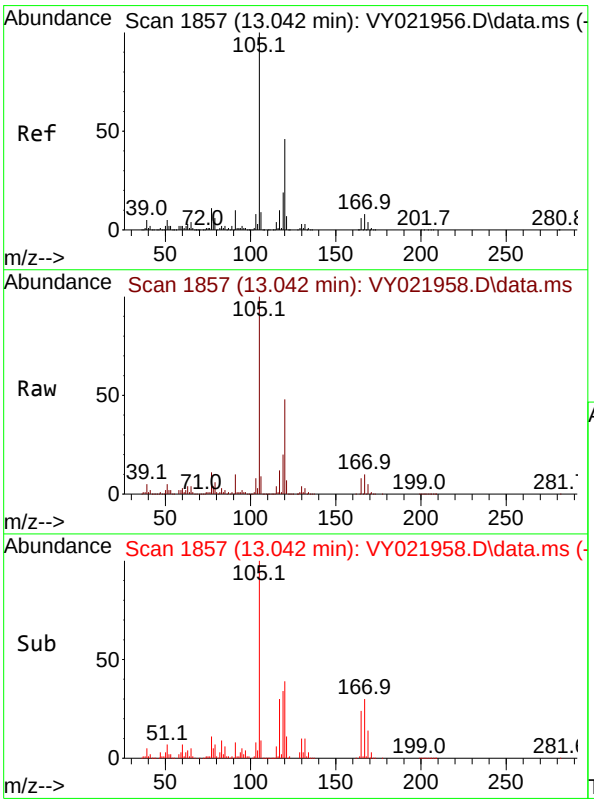
#83
tert-Butylbenzene
Concen: 164.108 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 2076003

Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.3	90.9
134	26.3	12.9	38.7

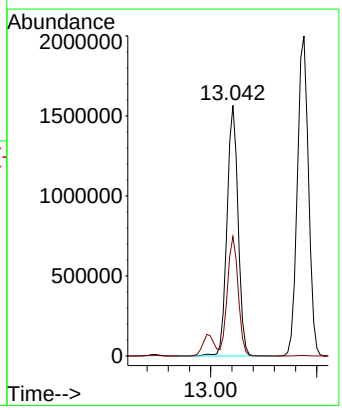


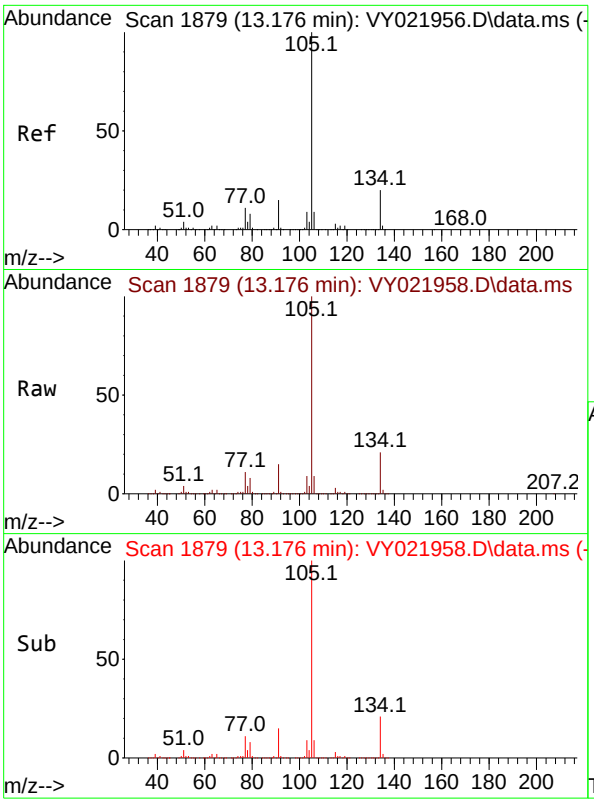


#84
1,2,4-Trimethylbenzene
Concen: 160.437 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:105 Resp: 2263509

Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.0



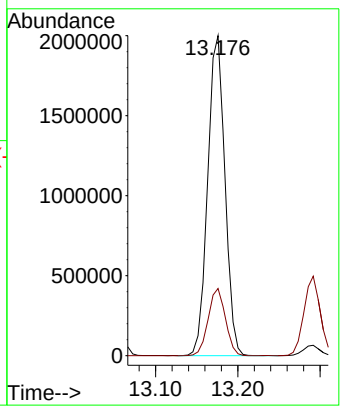


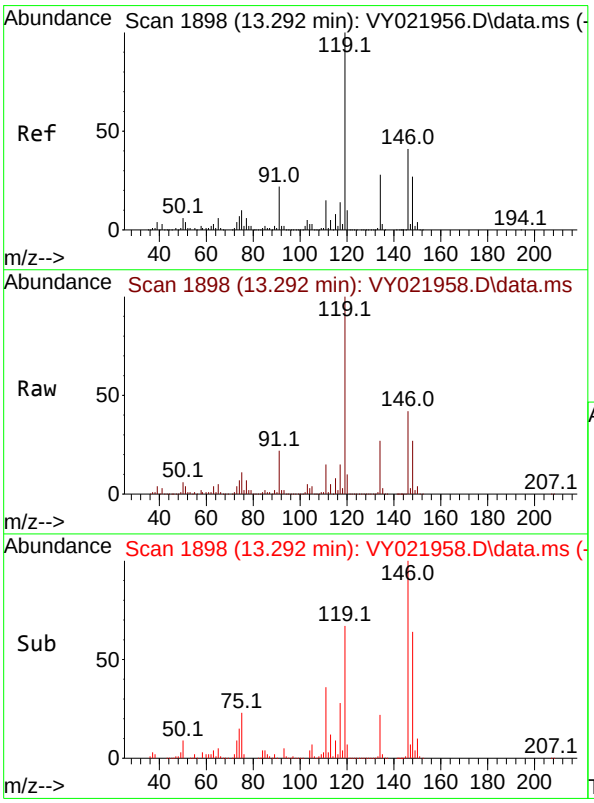
#85
sec-Butylbenzene
Concen: 157.224 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2910397

Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

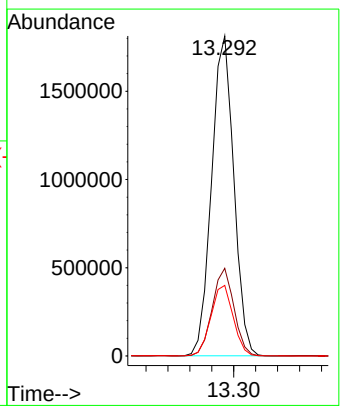


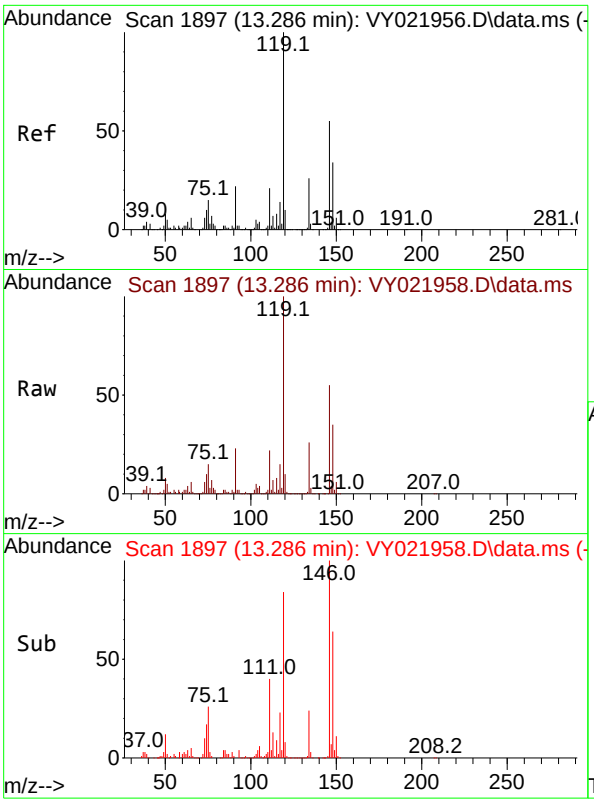


#86
p-Isopropyltoluene
Concen: 162.413 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:119 Resp: 2552924

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.6	40.7
91	22.2	11.0	33.0



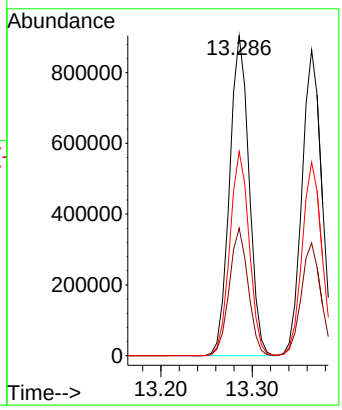


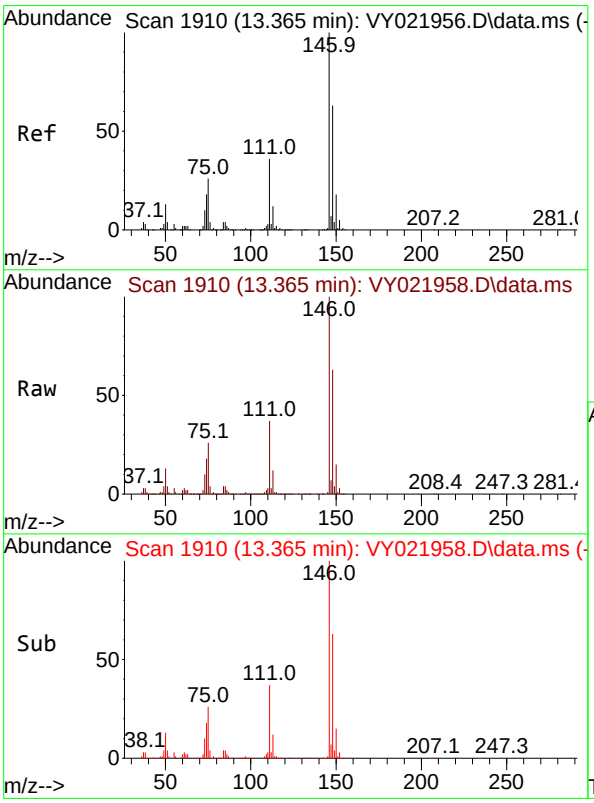
#87
1,3-Dichlorobenzene
Concen: 152.409 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 1339029

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	63.5	32.0	96.2

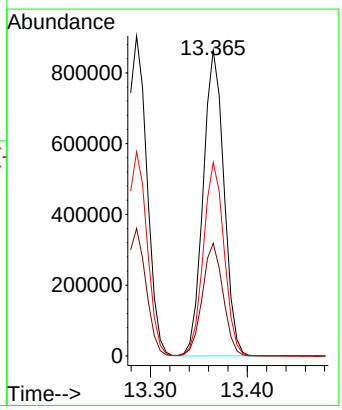


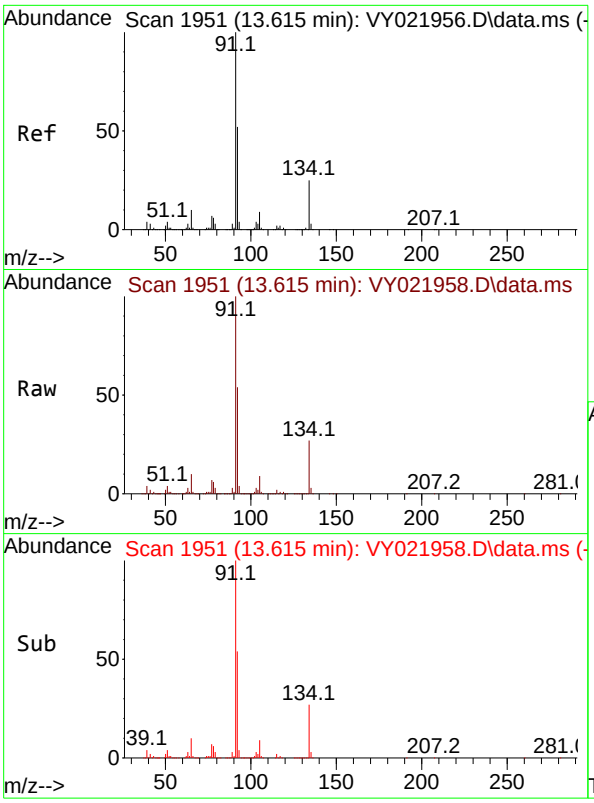


#88
1,4-Dichlorobenzene
Concen: 148.621 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:146 Resp: 1293200

Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.2	57.6
148	63.2	32.0	96.0



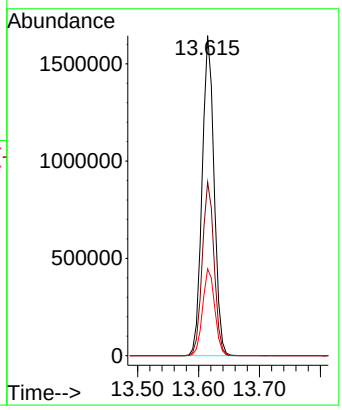


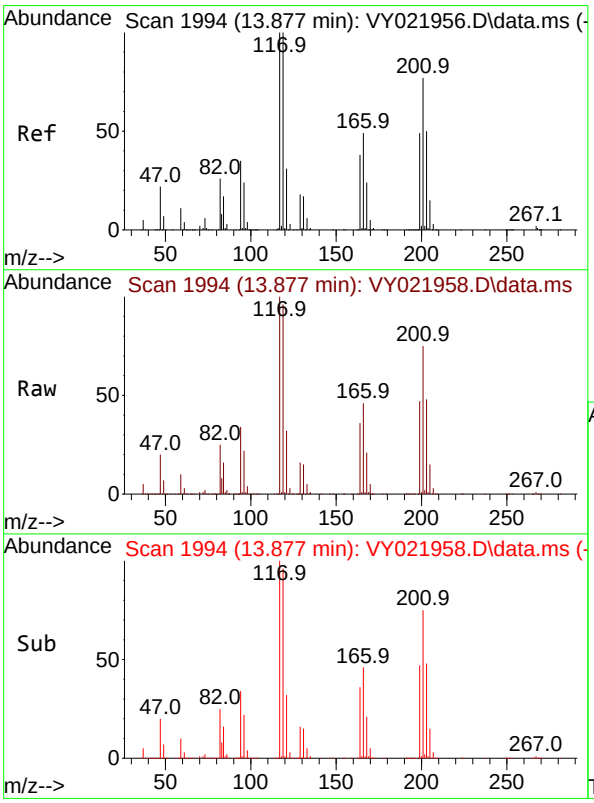
#89
n-Butylbenzene
Concen: 159.720 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2244063

Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.5	79.5
134	27.5	13.4	40.1

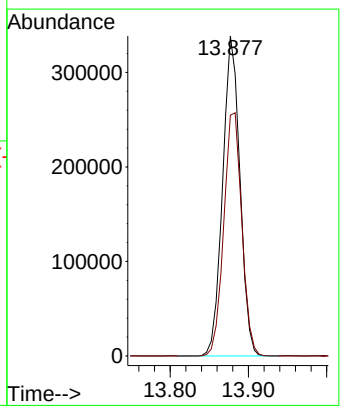


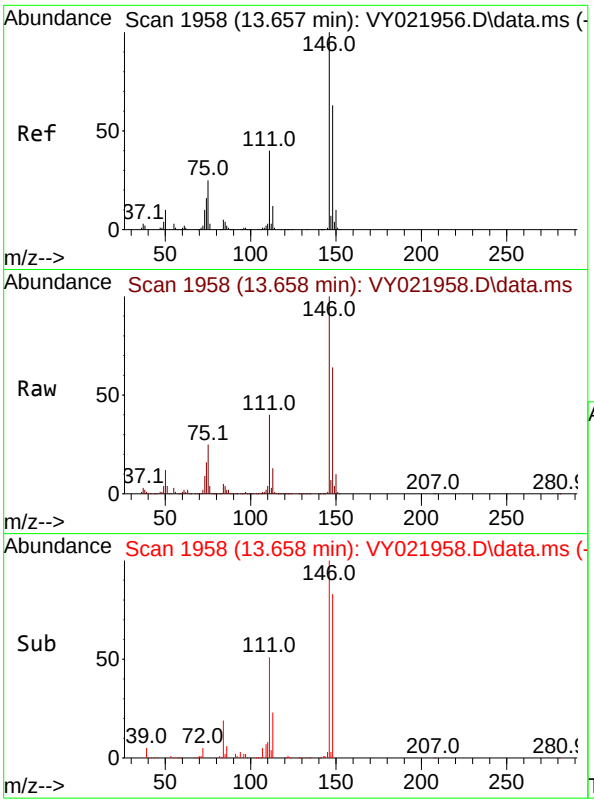


#90
Hexachloroethane
Concen: 150.683 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:117 Resp: 520392

Ion	Ratio	Lower	Upper
117	100		
201	79.2	38.7	116.1



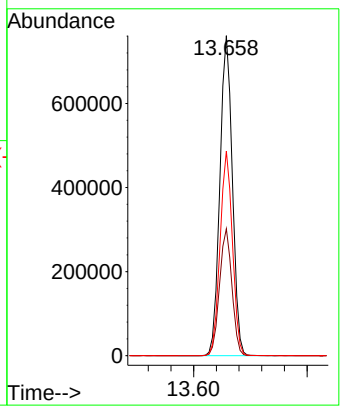


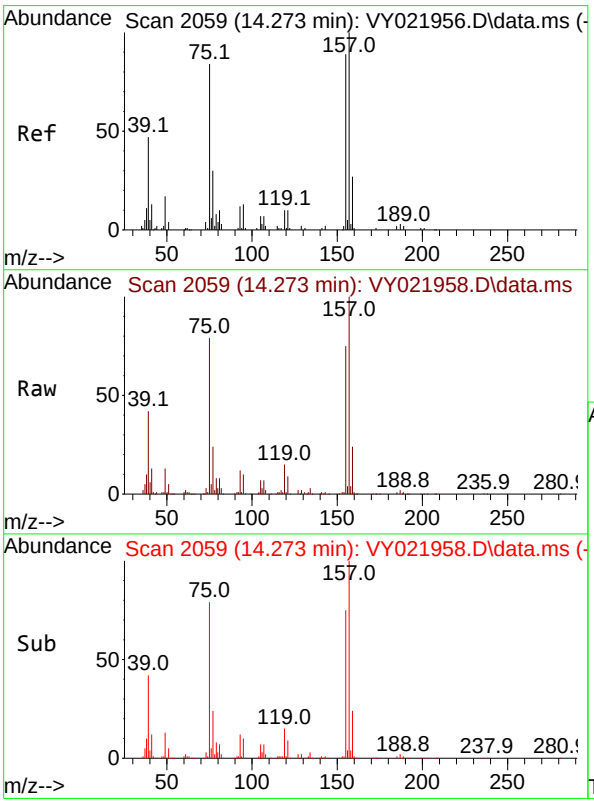
#91
1,2-Dichlorobenzene
Concen: 150.940 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 1156637

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	63.4	32.1	96.3

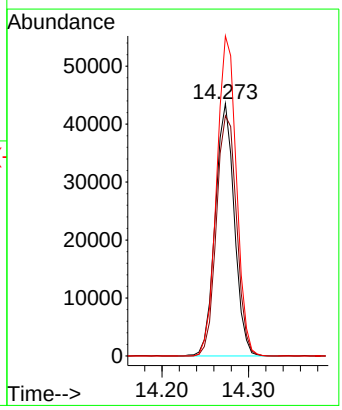


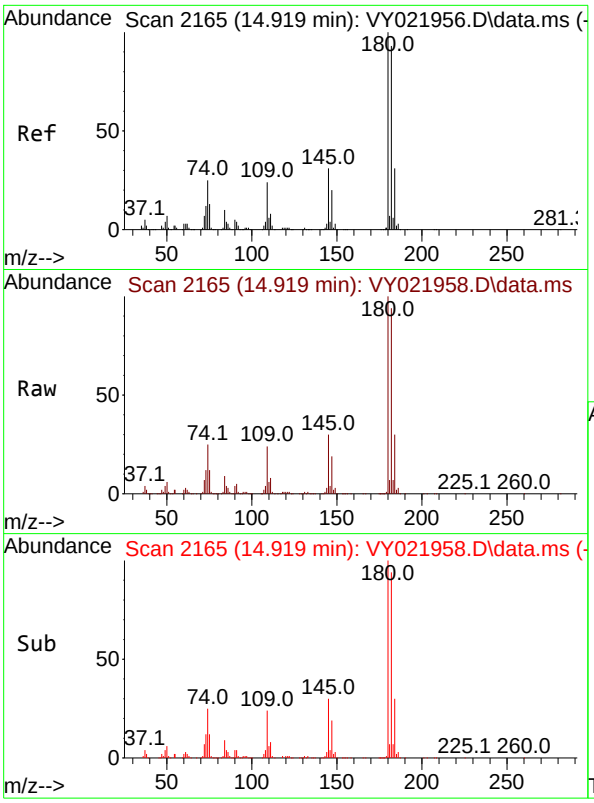


#92
1,2-Dibromo-3-Chloropropane
Concen: 145.323 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion: 75 Resp: 66731

Ion	Ratio	Lower	Upper
75	100		
155	100.4	50.7	152.3
157	130.3	62.6	187.8



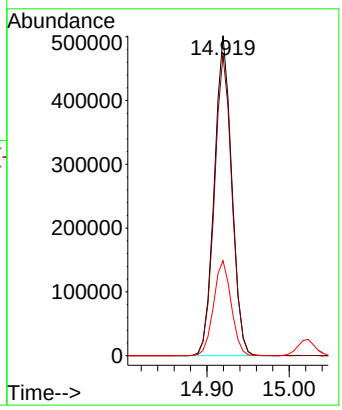


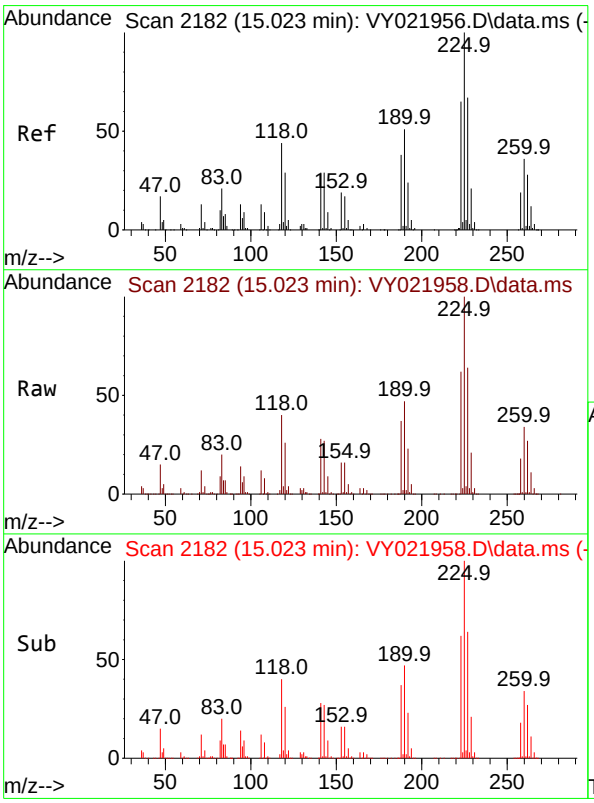
#93
1,2,4-Trichlorobenzene
Concen: 169.770 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 737198

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.4
145	30.1	15.0	45.0

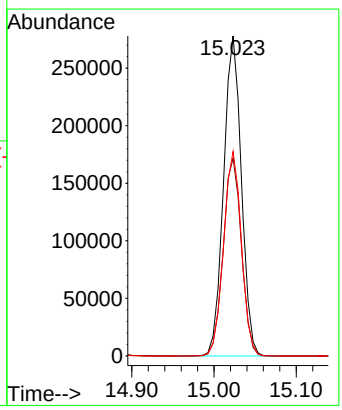


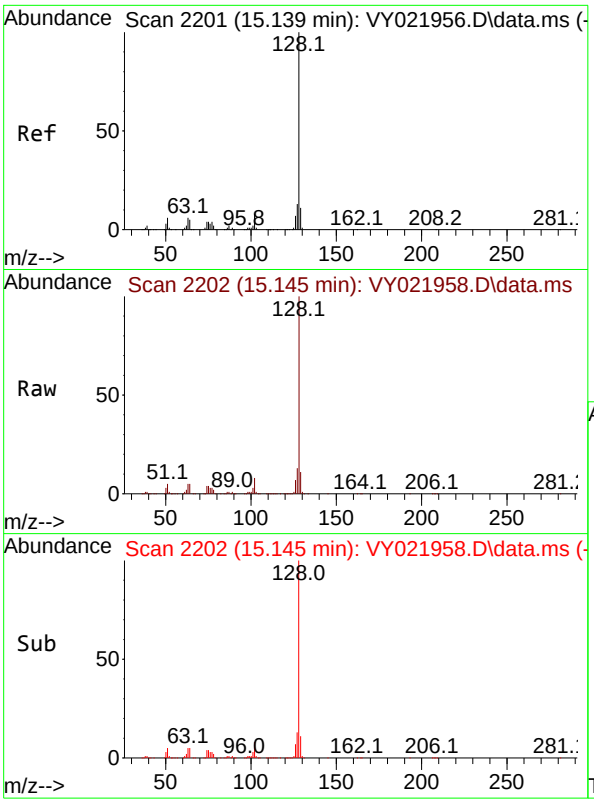


#94
Hexachlorobutadiene
Concen: 156.384 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:225 Resp: 417808

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	64.1	32.3	96.9



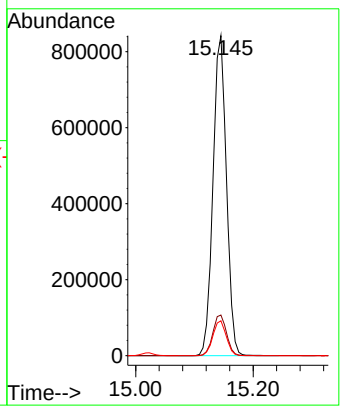


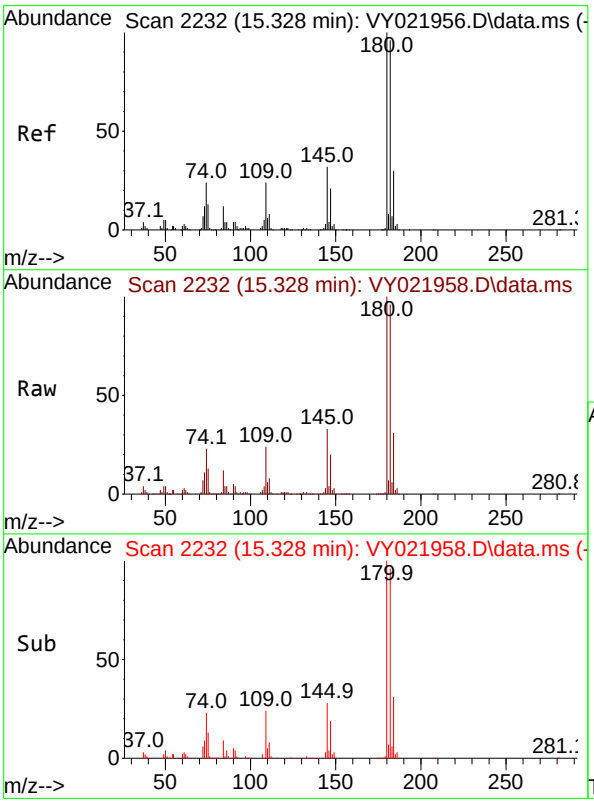
#95
Naphthalene
Concen: 185.231 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1336140

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.9	13.3

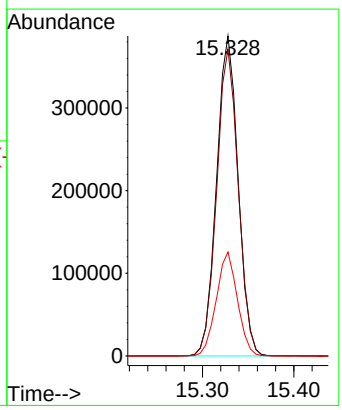




#96
1,2,3-Trichlorobenzene
Concen: 169.182 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021958.D
Acq: 22 Apr 2025 16:15

Tgt Ion:180 Resp: 634152

Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	31.9	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	332081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	512398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	467094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	250602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147920	48.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.440%			
35) Dibromofluoromethane	7.634	113	165837	48.989	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.980%			
50) Toluene-d8	10.103	98	644989	50.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.402	95	219958	51.198	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	131226	46.375	ug/l	99
3) Chloromethane	2.068	50	183085	45.440	ug/l	97
4) Vinyl Chloride	2.202	62	224944	45.432	ug/l	99
5) Bromomethane	2.592	94	176551	41.389	ug/l	98
6) Chloroethane	2.733	64	149594	44.363	ug/l	96
7) Trichlorofluoromethane	3.056	101	301166	46.128	ug/l	98
8) Diethyl Ether	3.452	74	78016	45.910	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	163507	46.166	ug/l	99
10) Methyl Iodide	4.001	142	185031	45.123	ug/l	99
11) Tert butyl alcohol	4.872	59	38184	226.751	ug/l	97
12) 1,1-Dichloroethene	3.787	96	159060	48.182	ug/l	98
13) Acrolein	3.653	56	68719	227.366	ug/l	99
14) Allyl chloride	4.379	41	182426	47.458	ug/l	99
15) Acrylonitrile	5.055	53	140962	226.587	ug/l	98
16) Acetone	3.873	43	93445	231.130	ug/l	90
17) Carbon Disulfide	4.104	76	494065	46.938	ug/l	99
18) Methyl Acetate	4.385	43	70072	48.904	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	353863	47.891	ug/l	99
20) Methylene Chloride	4.610	84	175109	45.147	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	175356	47.430	ug/l	95
22) Diisopropyl ether	6.019	45	412936	48.273	ug/l	99
23) Vinyl Acetate	5.958	43	1105629	239.824	ug/l	100
24) 1,1-Dichloroethane	5.915	63	275152	46.404	ug/l	99
25) 2-Butanone	6.890	43	153920	220.139	ug/l	97
26) 2,2-Dichloropropane	6.884	77	240796	46.334	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	197583	47.795	ug/l	99
28) Bromochloromethane	7.244	49	111601	48.457	ug/l	98
29) Tetrahydrofuran	7.262	42	104080	229.194	ug/l	95
30) Chloroform	7.421	83	306777	46.643	ug/l	98
31) Cyclohexane	7.701	56	236026	46.548	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	279709	47.007	ug/l	99
36) 1,1-Dichloropropene	7.835	75	217873	47.914	ug/l	98
37) Ethyl Acetate	6.982	43	75275	46.092	ug/l	98
38) Carbon Tetrachloride	7.817	117	258803	47.630	ug/l	98
39) Methylcyclohexane	9.110	83	283178	49.486	ug/l	98
40) Benzene	8.079	78	677917	47.692	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	38694	43.342	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	163549	46.472	ug/l		99
43) Isopropyl Acetate	8.195	43	145980	46.545	ug/l		98
44) Trichloroethene	8.860	130	185153	47.027	ug/l		99
45) 1,2-Dichloropropane	9.140	63	148767	47.326	ug/l		97
46) Dibromomethane	9.231	93	91655	46.578	ug/l		99
47) Bromodichloromethane	9.420	83	235736	47.955	ug/l		97
48) Methyl methacrylate	9.219	41	71174	49.090	ug/l		98
49) 1,4-Dioxane	9.225	88	19954	951.409	ug/l		90
51) 4-Methyl-2-Pentanone	9.993	43	391245	237.972	ug/l		100
52) Toluene	10.170	92	448774	48.774	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	201939	47.893	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	241197	48.122	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	124598	47.403	ug/l		97
56) Ethyl methacrylate	10.439	69	150855	50.188	ug/l		99
57) 1,3-Dichloropropane	10.713	76	198147	47.024	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	373183	253.928	ug/l		99
59) 2-Hexanone	10.756	43	258458	238.340	ug/l		100
60) Dibromochloromethane	10.908	129	170608	46.882	ug/l		97
61) 1,2-Dibromoethane	11.012	107	117095	47.188	ug/l		99
64) Tetrachloroethene	10.646	164	205118	46.550	ug/l		96
65) Chlorobenzene	11.438	112	498605	47.734	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.512	131	177647	48.308	ug/l		99
67) Ethyl Benzene	11.518	91	856779	50.142	ug/l		100
68) m/p-Xylenes	11.627	106	687961	101.181	ug/l		99
69) o-Xylene	11.950	106	319291	50.949	ug/l		99
70) Styrene	11.969	104	542034	51.513	ug/l		100
71) Bromoform	12.127	173	102241	47.821	ug/l	#	100
73) Isopropylbenzene	12.249	105	833210	49.765	ug/l		99
74) N-amyl acetate	12.066	43	133081	46.264	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	130070	46.078	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	169982	79.189	ug/l	#	100
77) Bromobenzene	12.530	156	201978	47.741	ug/l		99
78) n-propylbenzene	12.591	91	995089	49.907	ug/l		100
79) 2-Chlorotoluene	12.676	91	560663	48.351	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	691575	50.131	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	39491	44.304	ug/l		98
82) 4-Chlorotoluene	12.773	91	583487	48.406	ug/l		100
83) tert-Butylbenzene	12.993	119	637155	51.499	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	693849	50.285	ug/l		100
85) sec-Butylbenzene	13.170	105	912398	50.397	ug/l		99
86) p-Isopropyltoluene	13.292	119	781445	50.831	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	408394	47.528	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	401694	47.202	ug/l		99
89) n-Butylbenzene	13.615	91	689937	50.209	ug/l		99
90) Hexachloroethane	13.877	117	160136	47.410	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	354764	47.337	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19379	43.151	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	207298	48.811	ug/l		99
94) Hexachlorobutadiene	15.023	225	126404	48.376	ug/l		98
95) Naphthalene	15.145	128	345515	48.975	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	175651	47.914	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

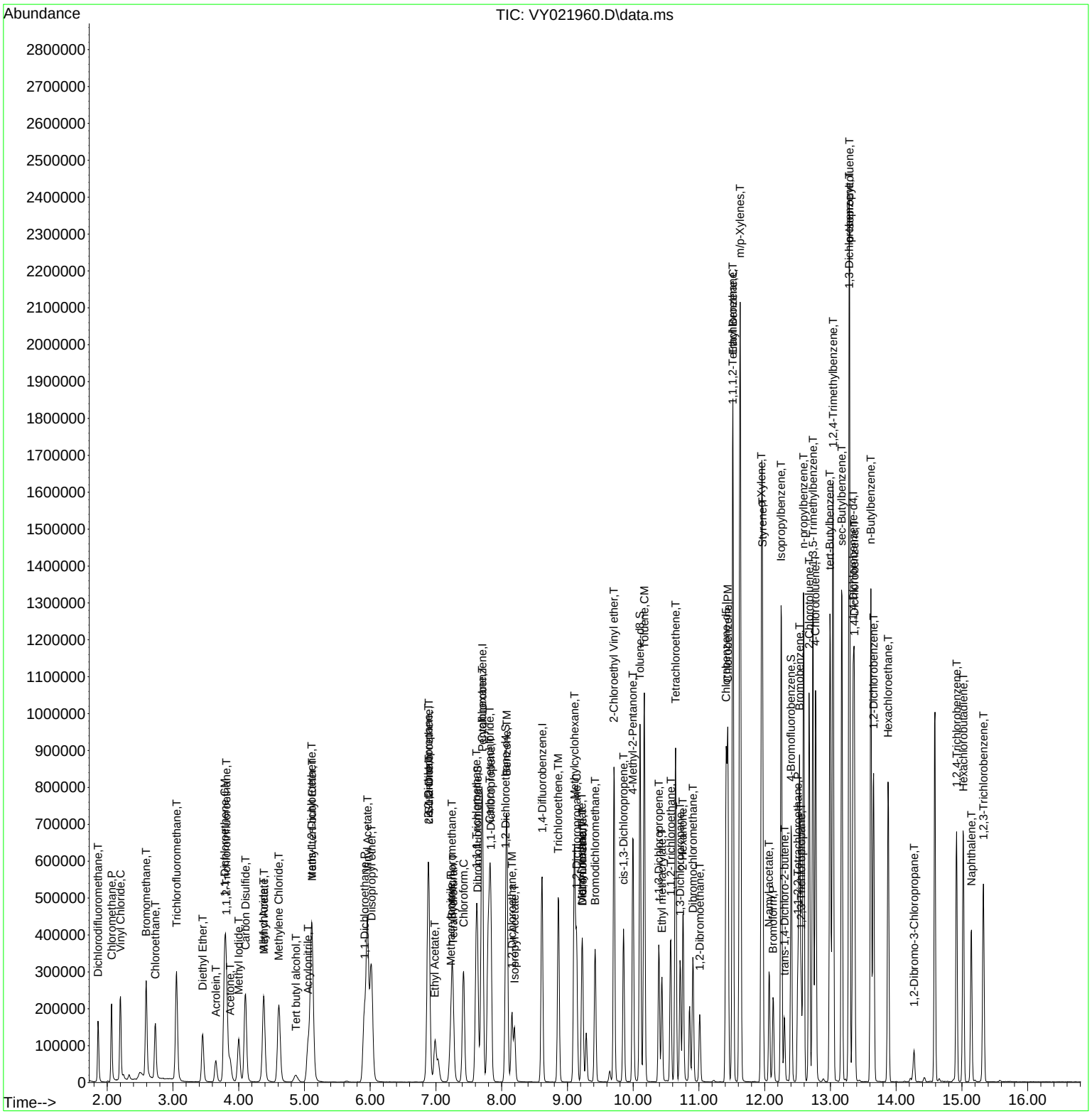
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

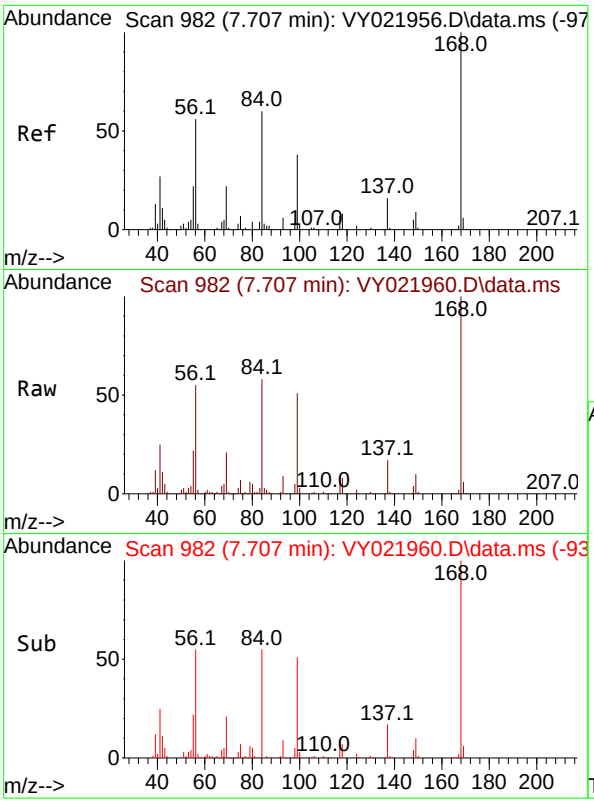
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021960.D
Acq On : 22 Apr 2025 17:01
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Quant Time: Apr 23 02:36:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



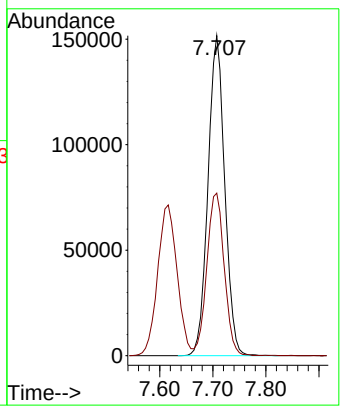


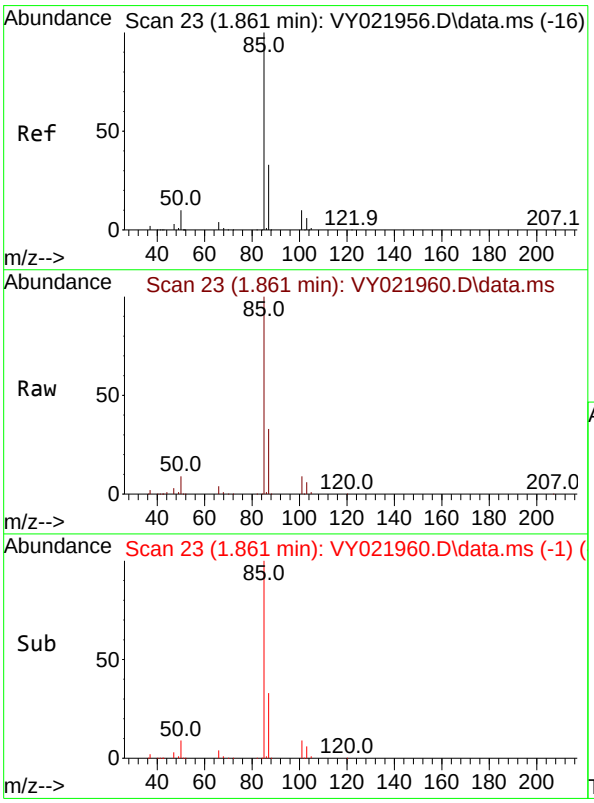
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:168 Resp: 332081

Ion	Ratio	Lower	Upper
168	100		
99	50.7	43.1	64.7

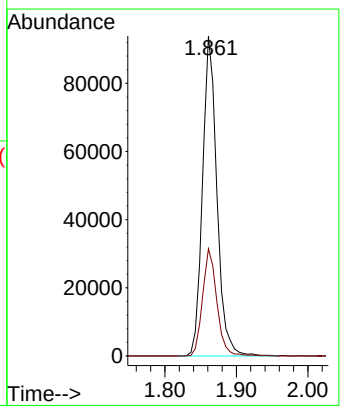


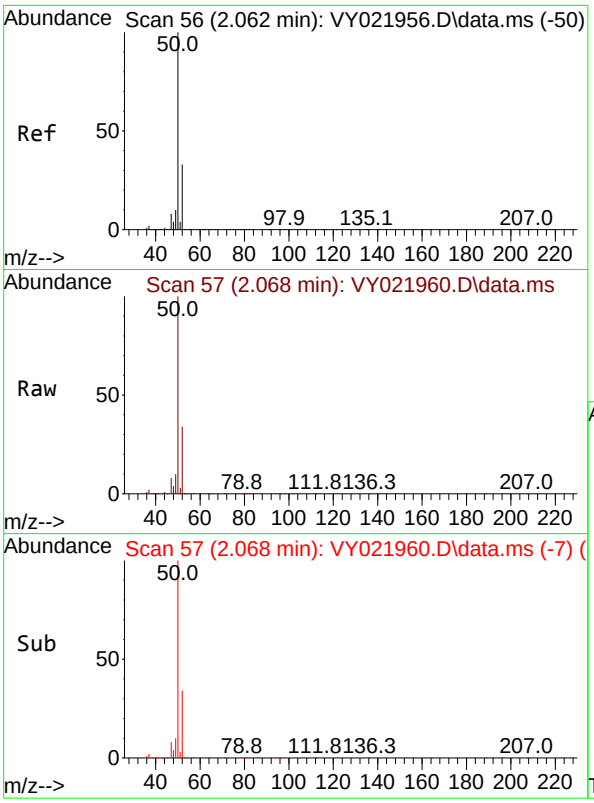


#2
Dichlorodifluoromethane
Concen: 46.375 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 85 Resp: 131226

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.7



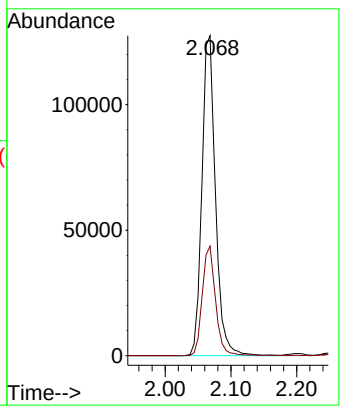


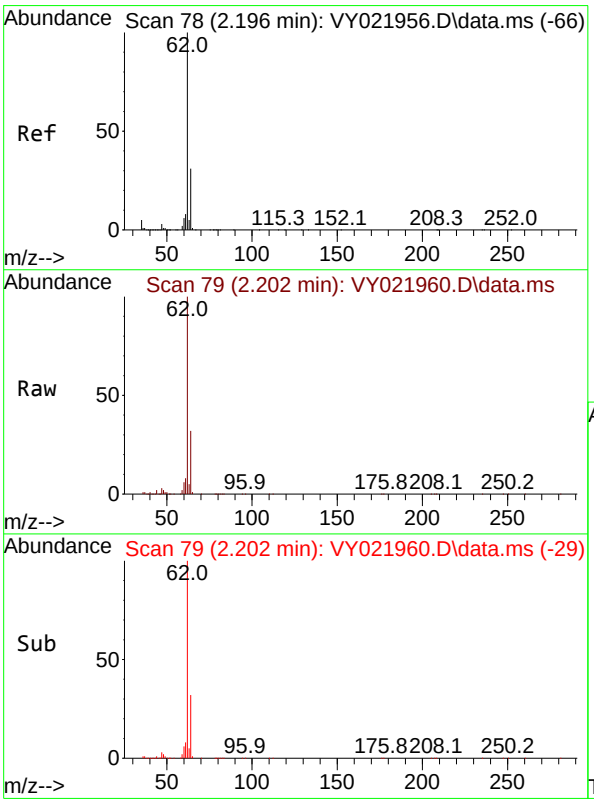
#3
Chloromethane
Concen: 45.440 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 50 Resp: 183085

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.1	39.1

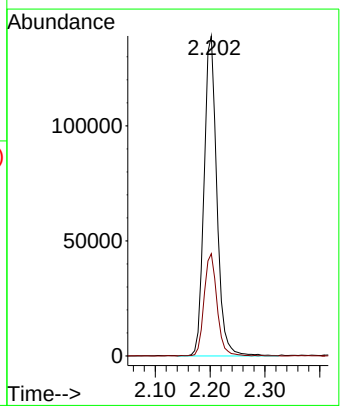


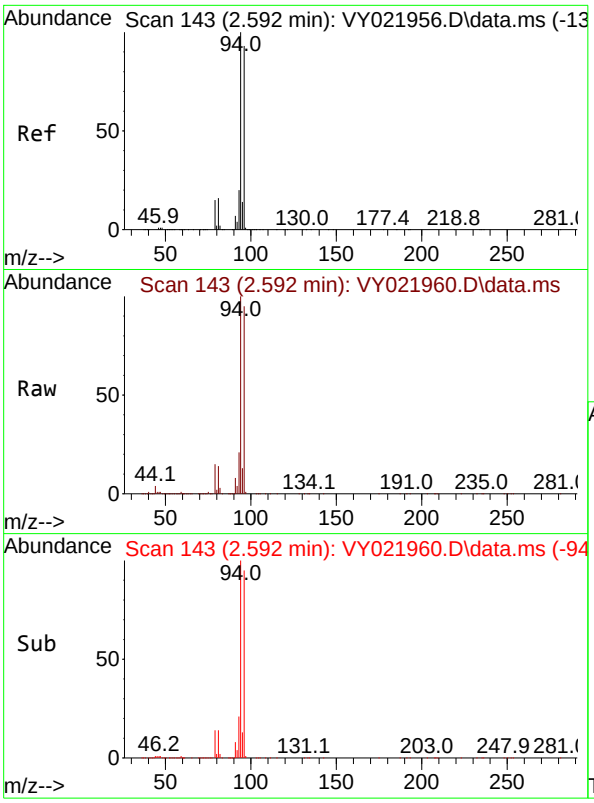


#4
Vinyl Chloride
Concen: 45.432 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 62 Resp: 224944

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.1	37.7



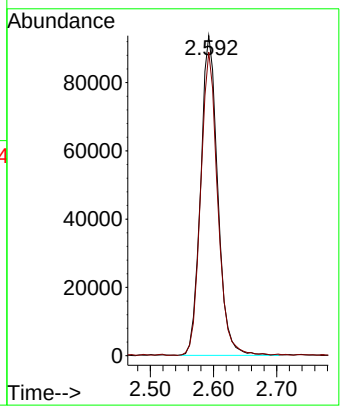


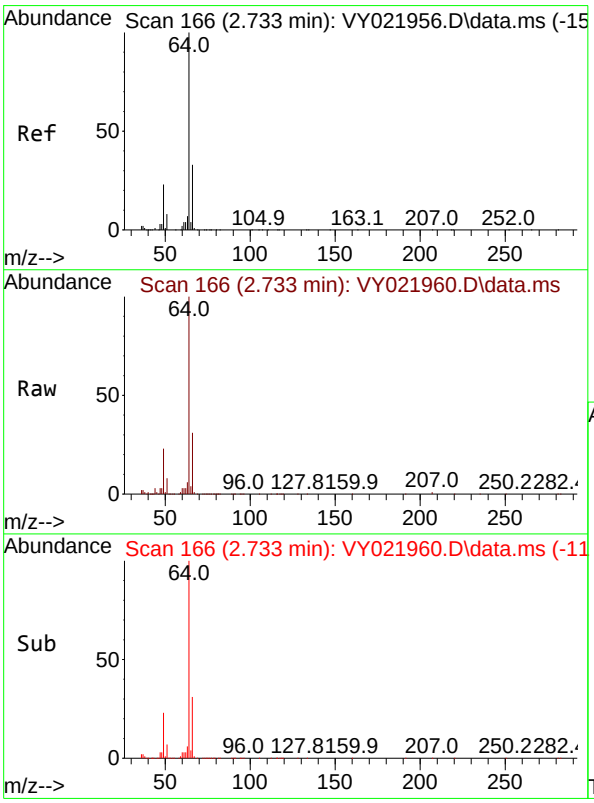
#5
Bromomethane
Concen: 41.389 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 94 Resp: 176551

Ion	Ratio	Lower	Upper
94	100		
96	94.9	74.6	111.8

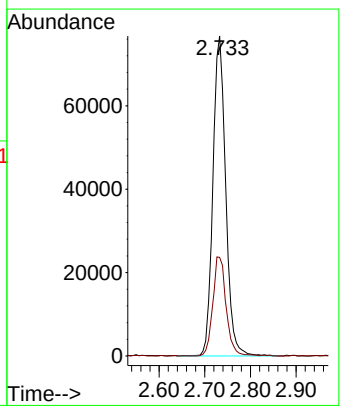


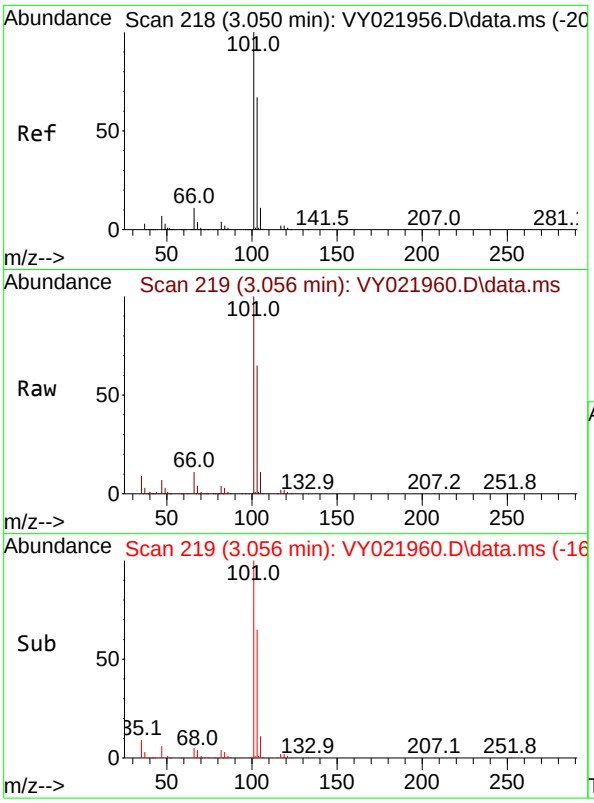


#6
Chloroethane
Concen: 44.363 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 64 Resp: 149594

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.2	39.4



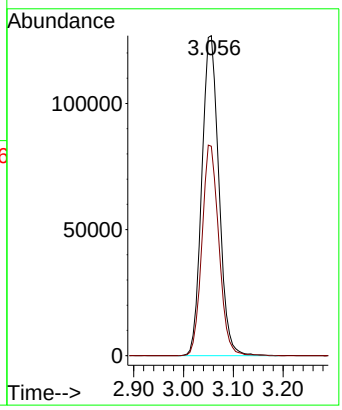


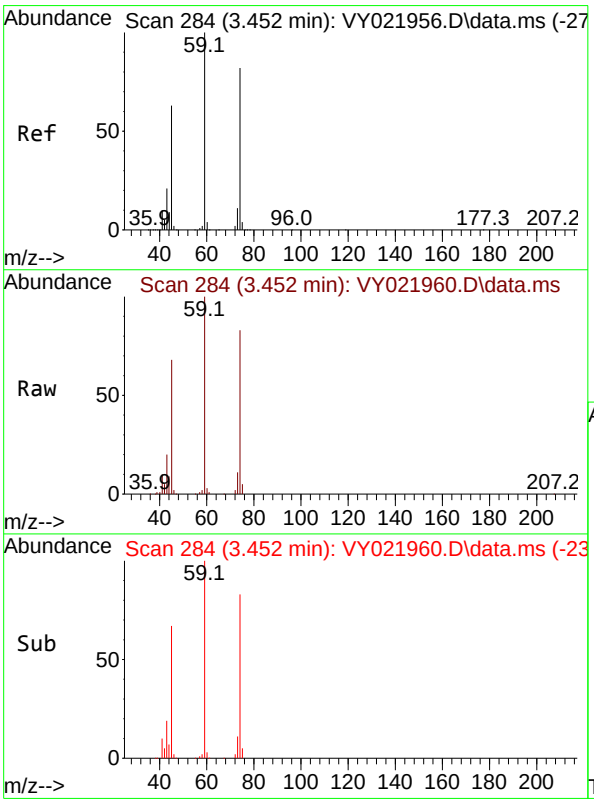
#7
Trichlorofluoromethane
Concen: 46.128 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:101 Resp: 301166

Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.6	80.4

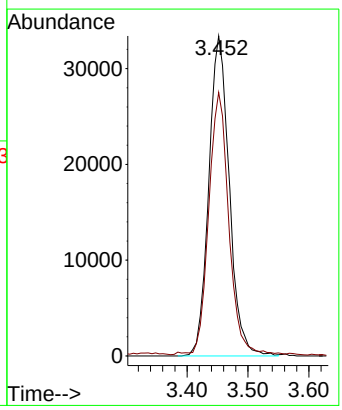


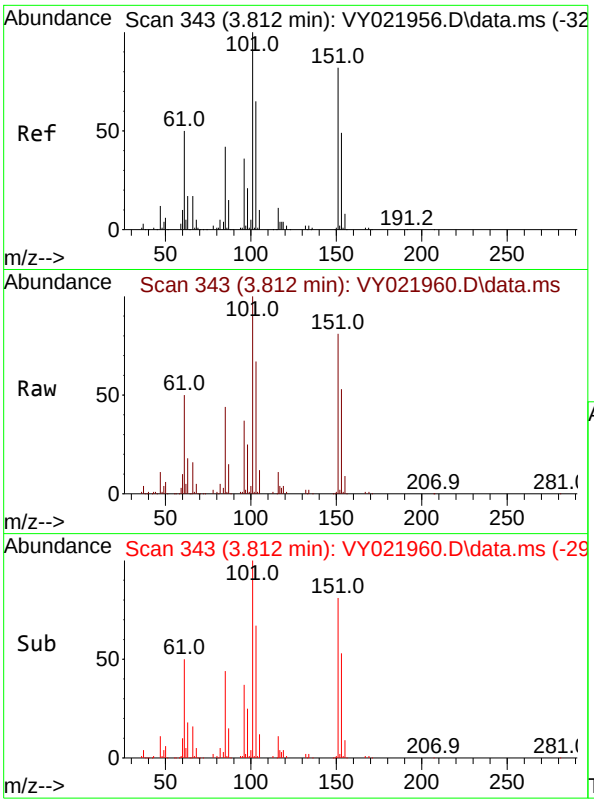


#8
Diethyl Ether
Concen: 45.910 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 74 Resp: 78016

Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.1	117.5



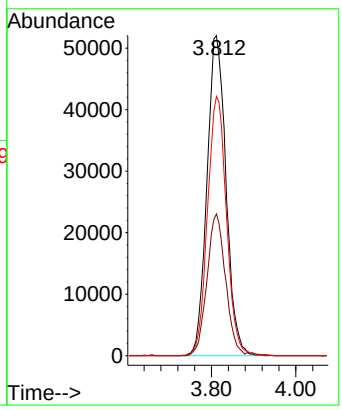


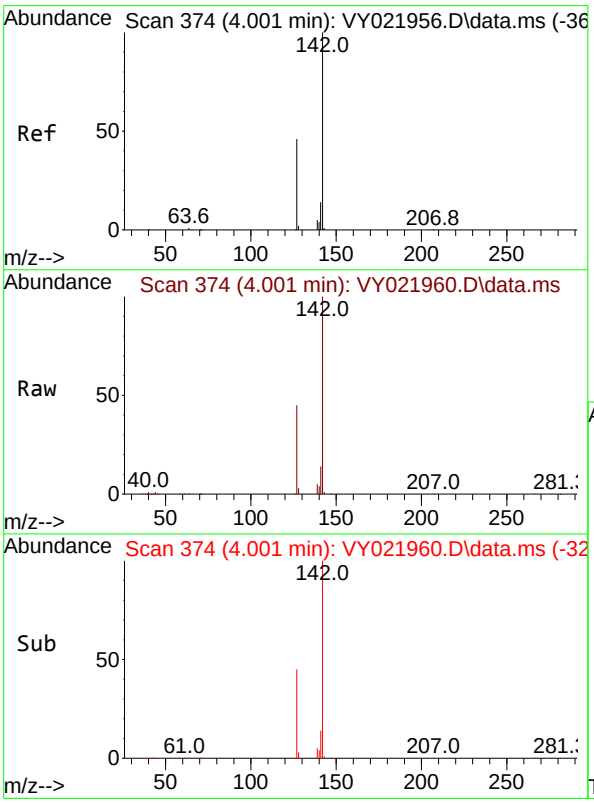
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.166 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:101 Resp: 163507

Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.6	51.8
151	80.5	63.7	95.5

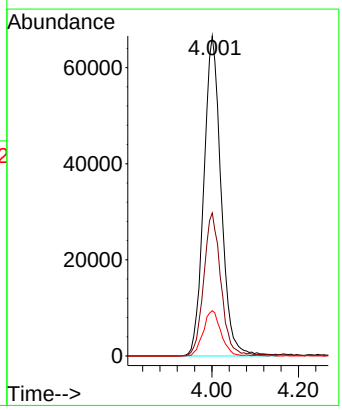


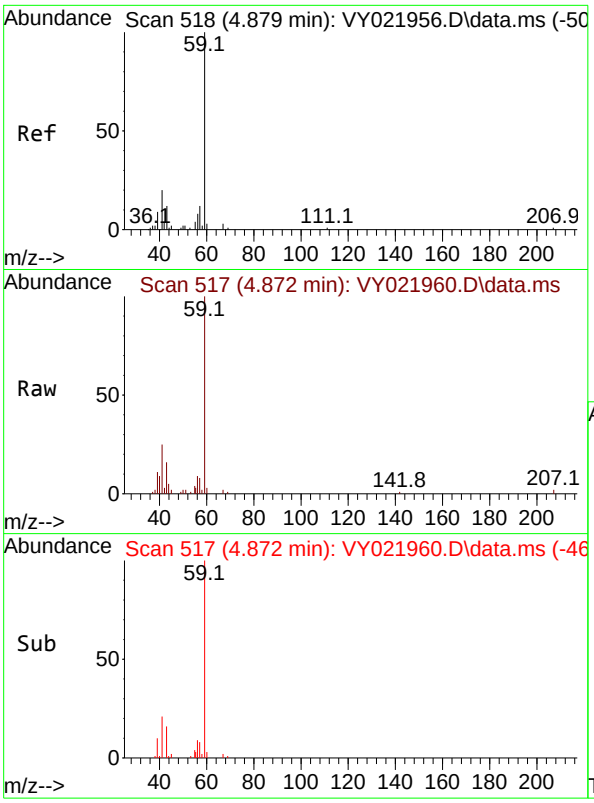


#10
Methyl Iodide
Concen: 45.123 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:142 Resp: 185031

Ion	Ratio	Lower	Upper
142	100		
127	44.4	36.2	54.2
141	14.5	11.7	17.5



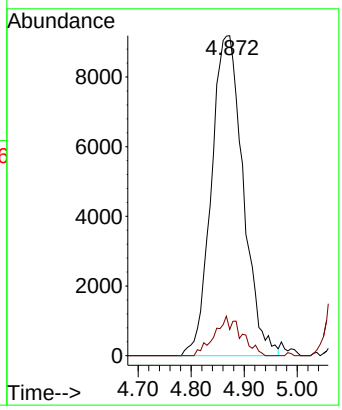


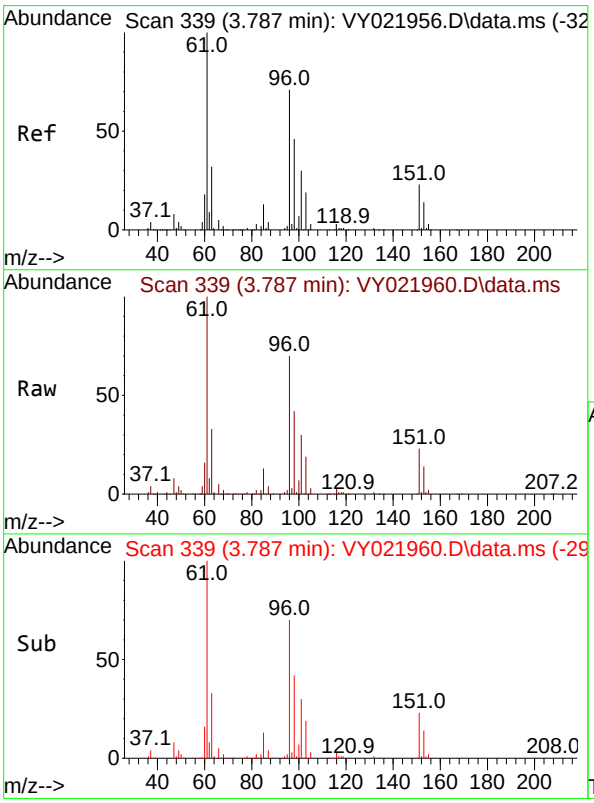
#11
Tert butyl alcohol
Concen: 226.751 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 59 Resp: 38184

Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.3	13.9

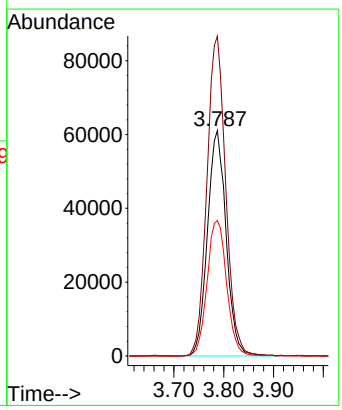


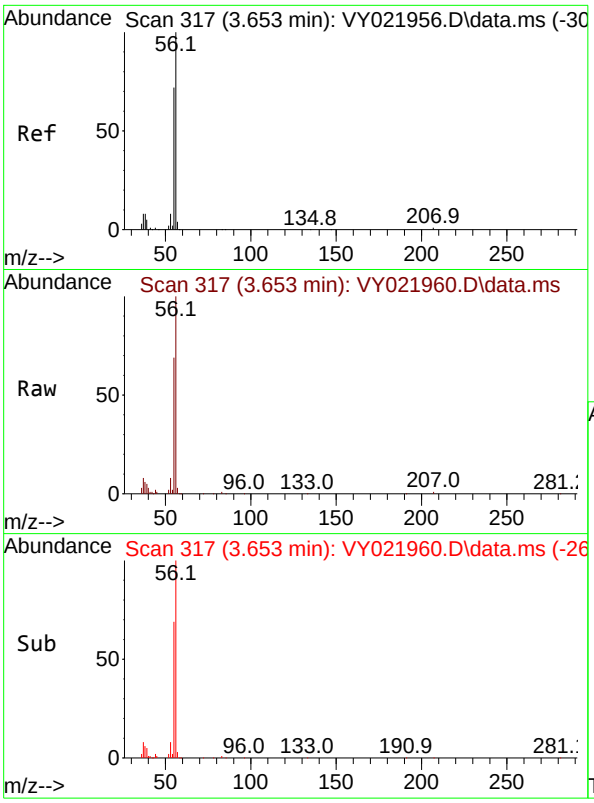


#12
1,1-Dichloroethene
Concen: 48.182 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 96 Resp: 159060

Ion	Ratio	Lower	Upper
96	100		
61	141.9	113.0	169.4
98	60.1	51.4	77.2



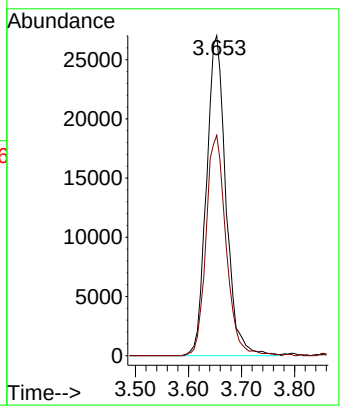


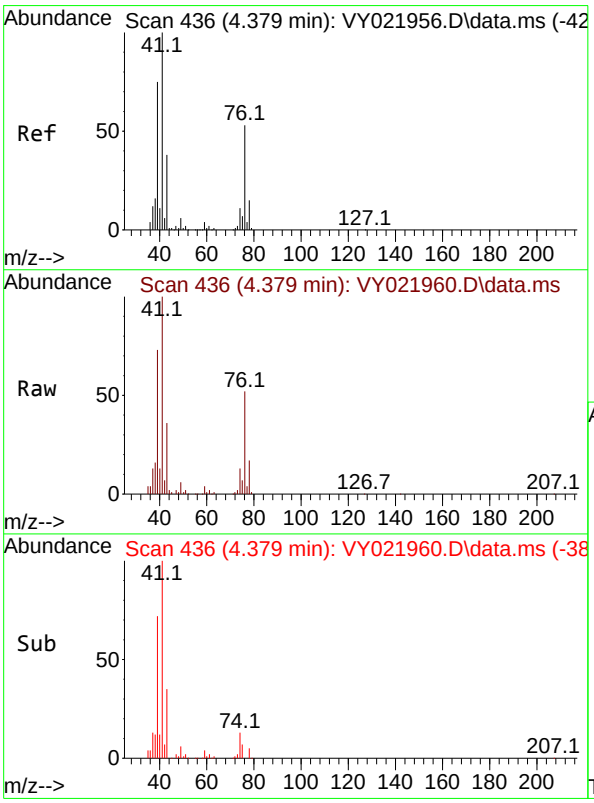
#13
Acrolein
Concen: 227.366 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 56 Resp: 68719

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.4	86.0

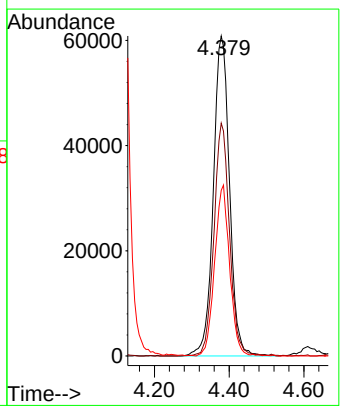


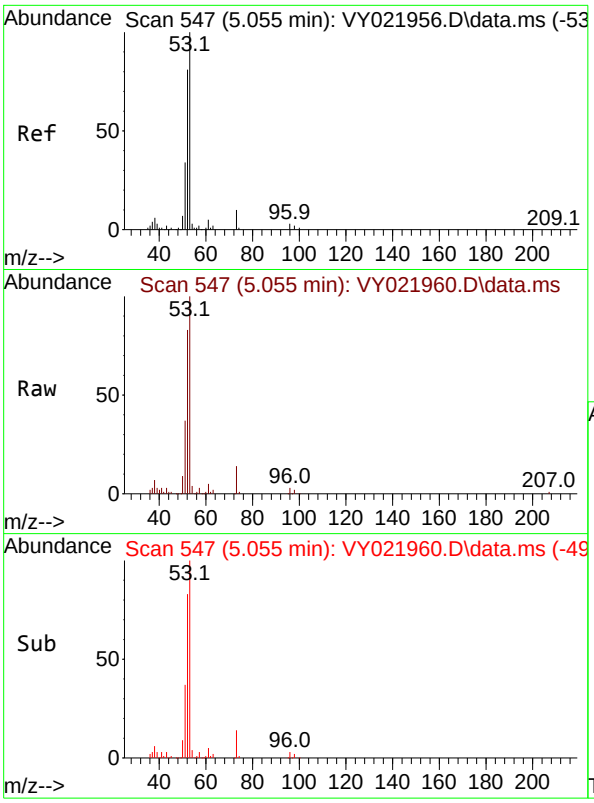


#14
Allyl chloride
Concen: 47.458 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 41 Resp: 182426

Ion	Ratio	Lower	Upper
41	100		
39	70.4	57.2	85.8
76	49.8	39.7	59.5



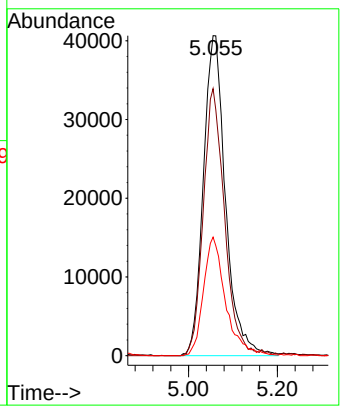


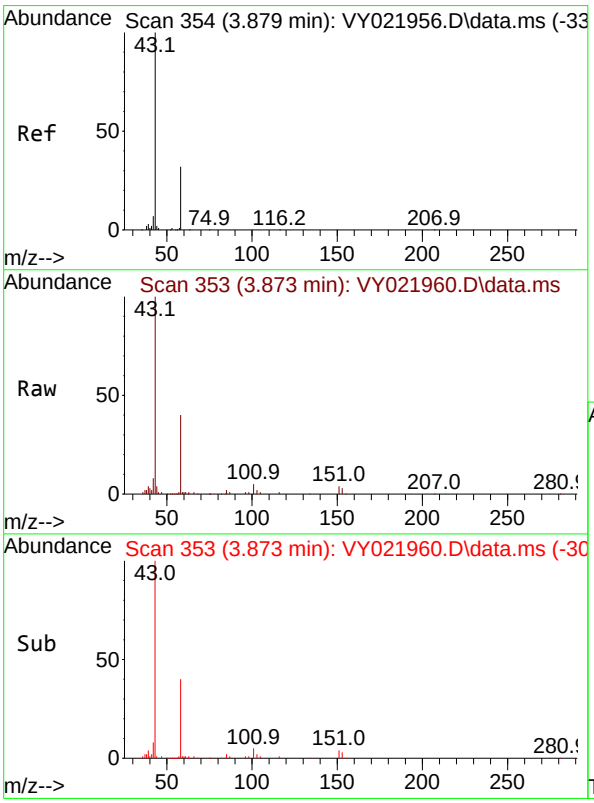
#15
Acrylonitrile
Concen: 226.587 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 53 Resp: 140962

Ion	Ratio	Lower	Upper
53	100		
52	79.8	65.0	97.6
51	37.0	28.9	43.3

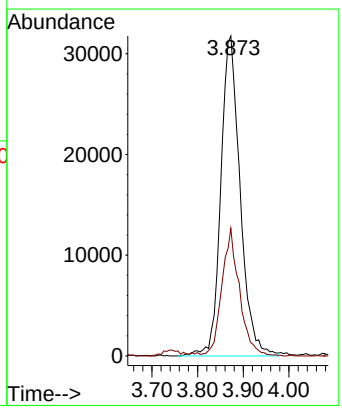


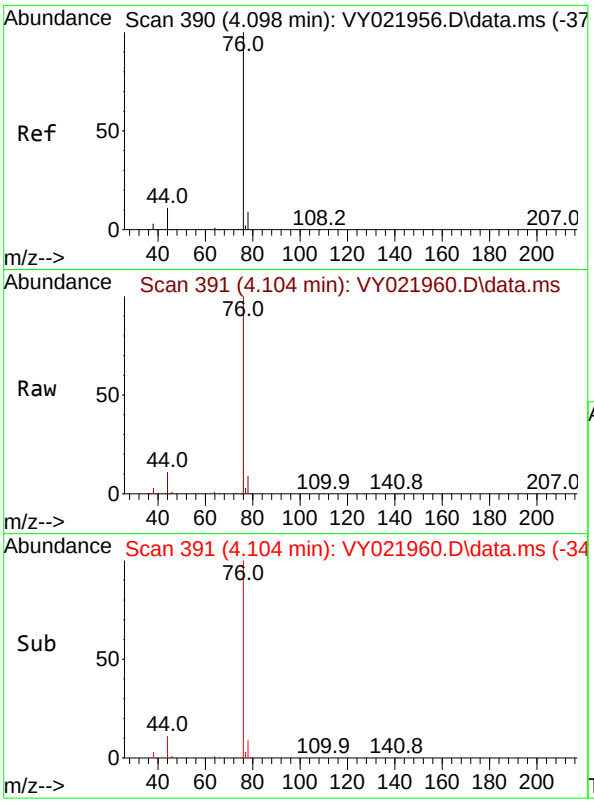


#16
Acetone
Concen: 231.130 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 93445

Ion	Ratio	Lower	Upper
43	100		
58	39.7	27.0	40.4



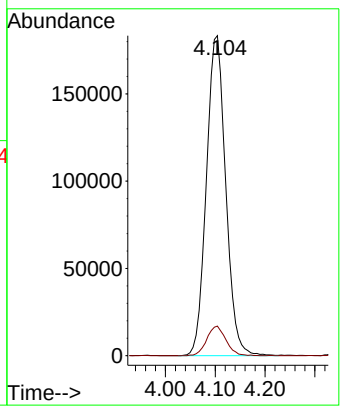


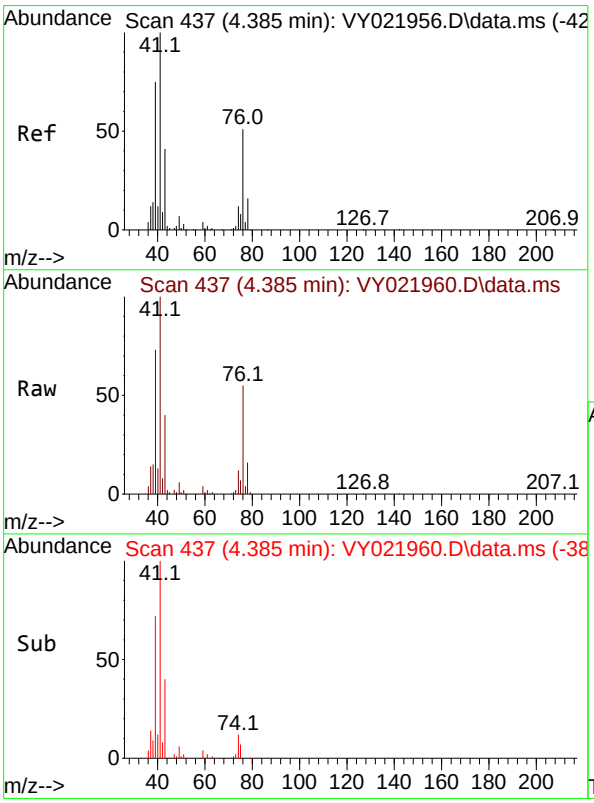
#17
Carbon Disulfide
Concen: 46.938 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 76 Resp: 494065

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

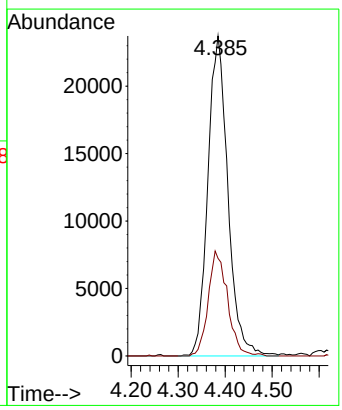


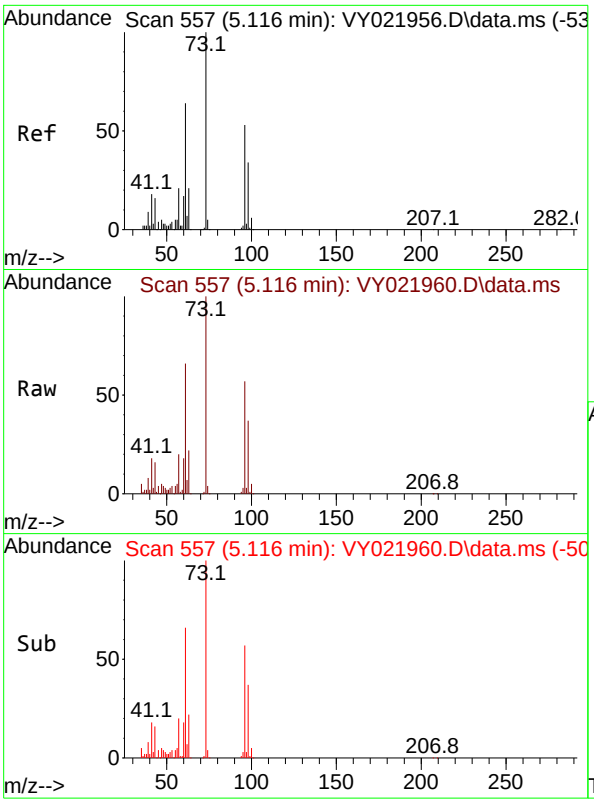


#18
Methyl Acetate
Concen: 48.904 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 70072

Ion	Ratio	Lower	Upper
43	100		
74	31.5	24.2	36.4



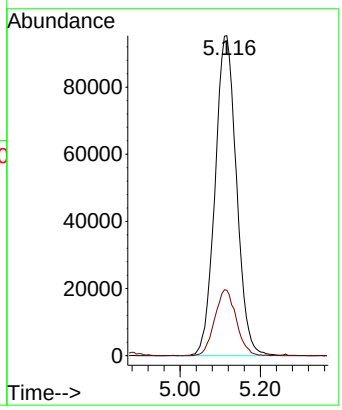


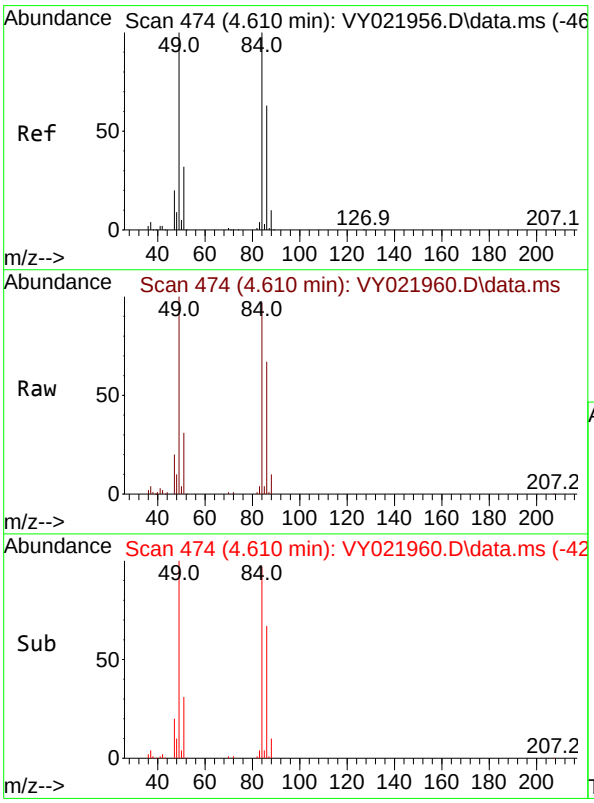
#19
Methyl tert-butyl Ether
Concen: 47.891 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 73 Resp: 353863

Ion	Ratio	Lower	Upper
73	100		
57	20.5	16.9	25.3

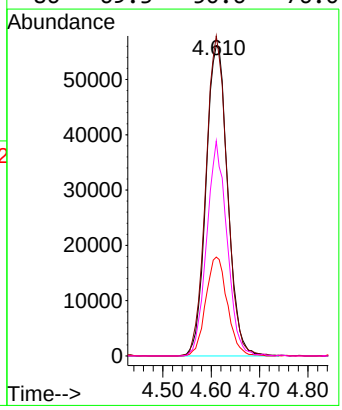


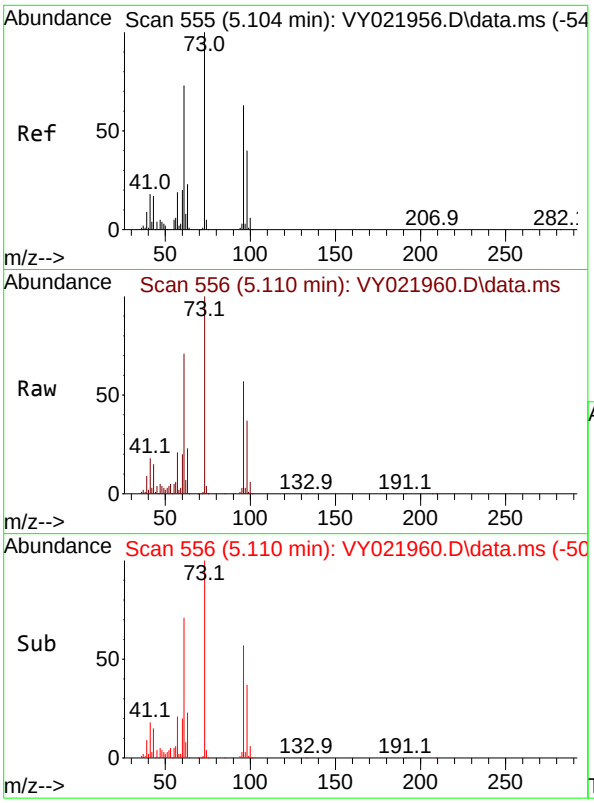


#20
Methylene Chloride
Concen: 45.147 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 84 Resp: 175109

Ion	Ratio	Lower	Upper
84	100		
49	103.2	79.9	119.9
51	31.9	25.4	38.0
86	69.3	50.6	76.0



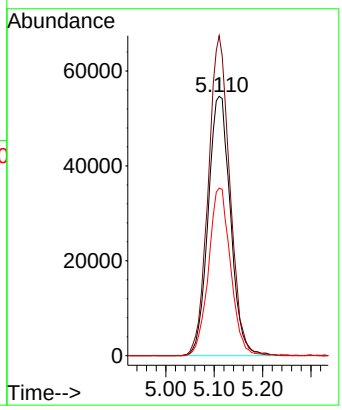


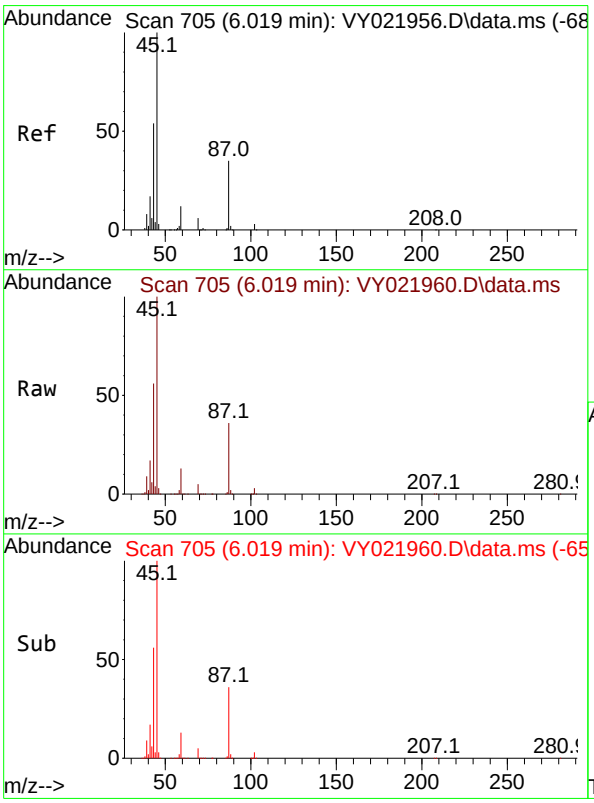
#21
trans-1,2-Dichloroethene
Concen: 47.430 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 96 Resp: 175356

Ion	Ratio	Lower	Upper
96	100		
61	123.3	92.6	138.8
98	64.6	50.2	75.4

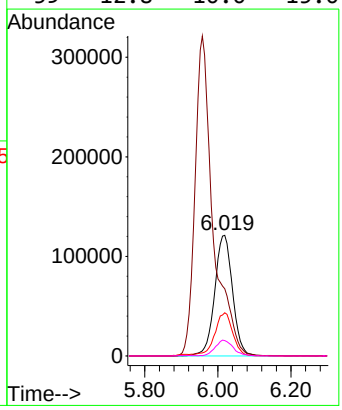


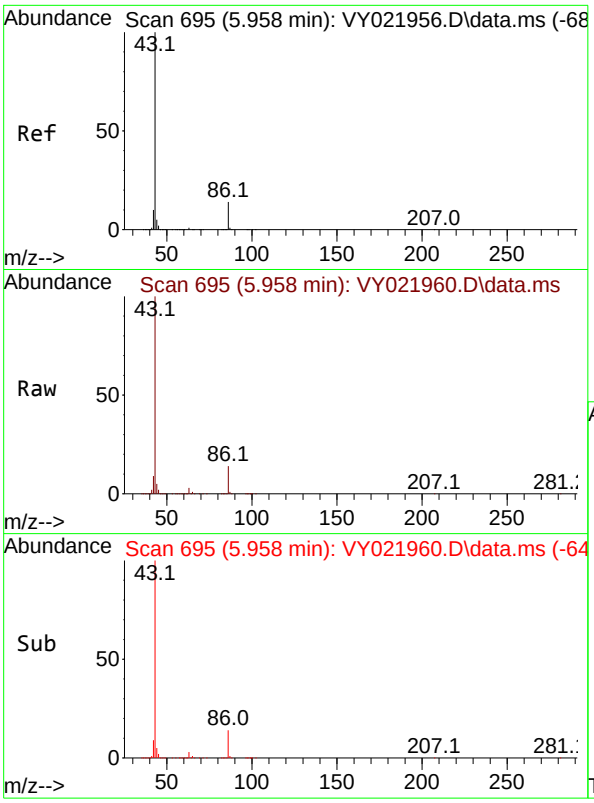


#22
Diisopropyl ether
Concen: 48.273 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 45 Resp: 412936

Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.6	65.4
87	35.9	28.2	42.4
59	12.8	10.0	15.0



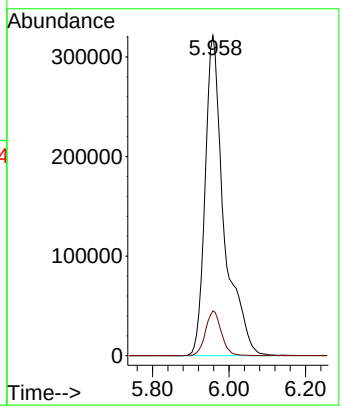


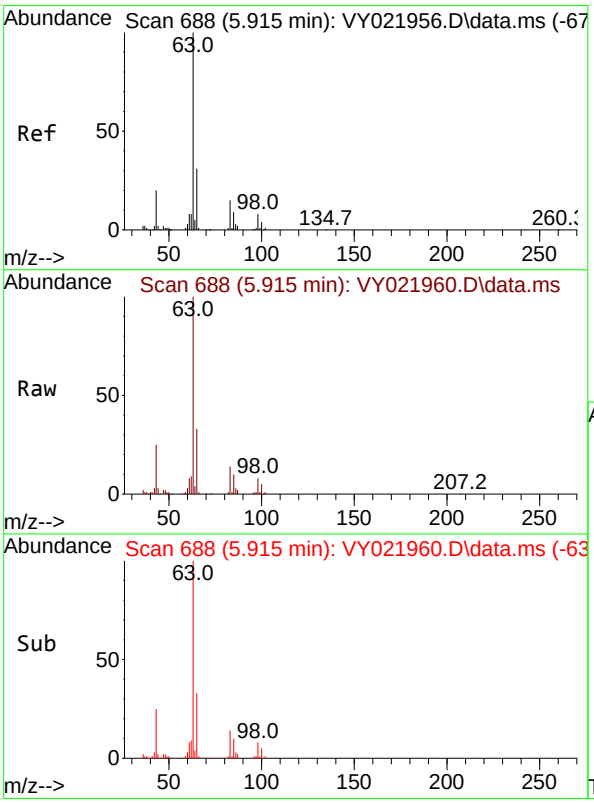
#23
Vinyl Acetate
Concen: 239.824 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43 Resp: 1105629

Ion	Ratio	Lower	Upper
43	100		
86	14.0	11.1	16.7

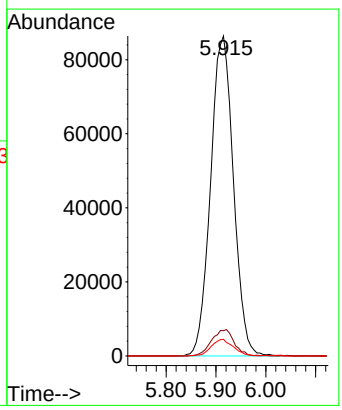


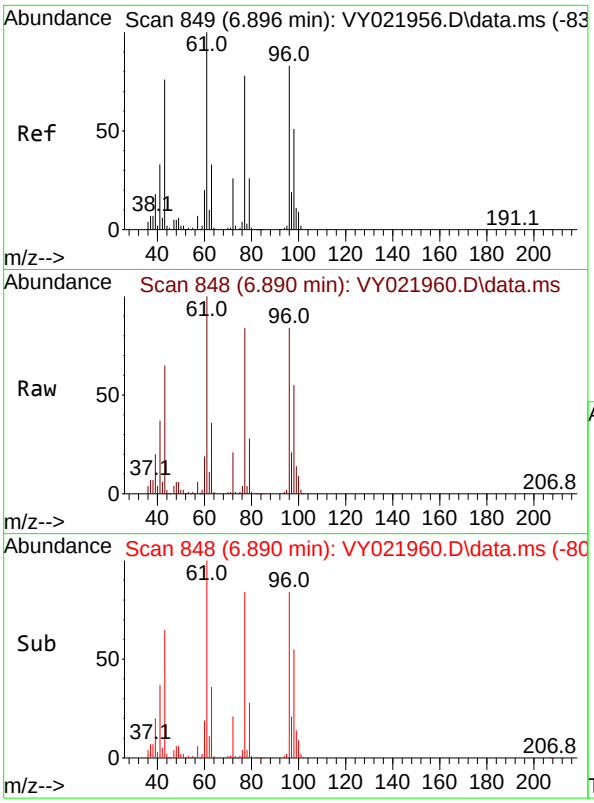


#24
1,1-Dichloroethane
Concen: 46.404 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 63 Resp: 275152

Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	11.9
100	5.2	2.0	6.0



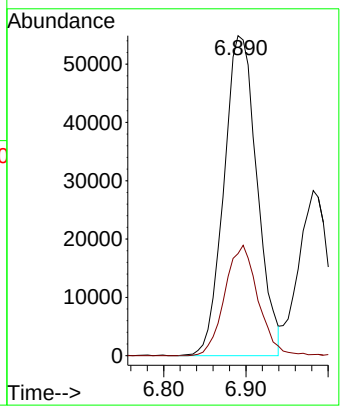


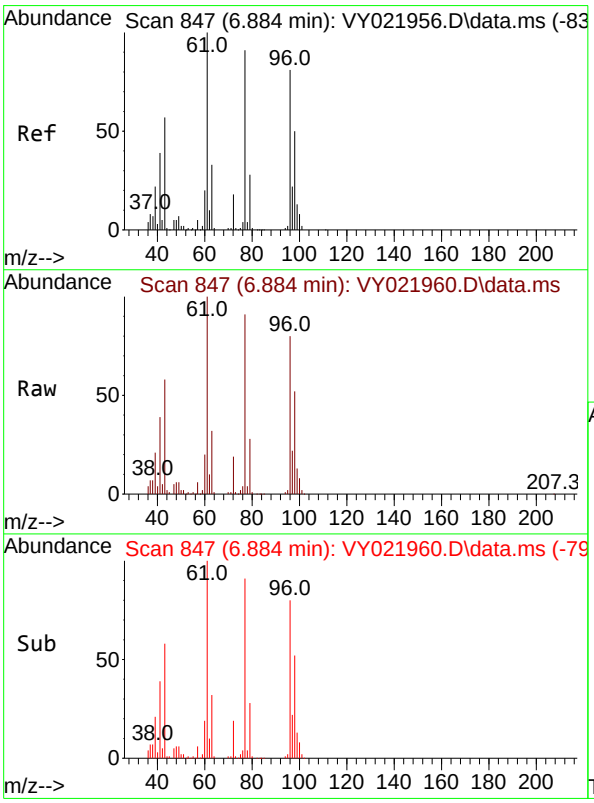
#25
2-Butanone
Concen: 220.139 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43 Resp: 153920

Ion	Ratio	Lower	Upper
43	100		
72	31.9	27.0	40.4

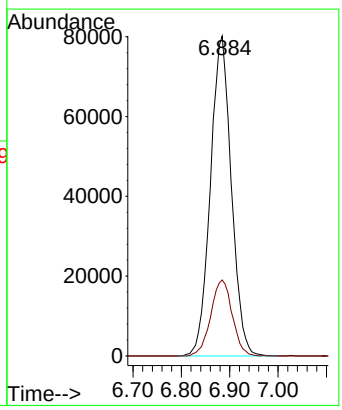


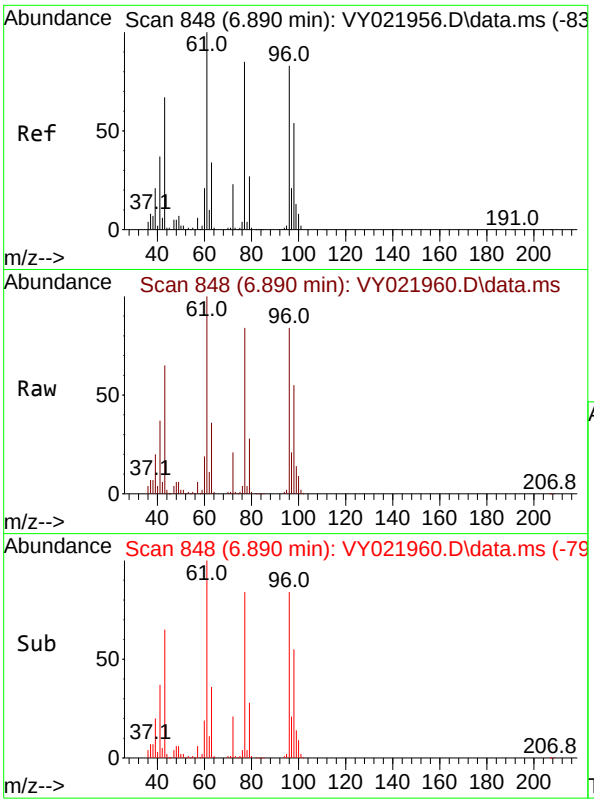


#26
2,2-Dichloropropane
Concen: 46.334 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 77 Resp: 240796

Ion	Ratio	Lower	Upper
77	100		
97	24.3	12.4	37.4



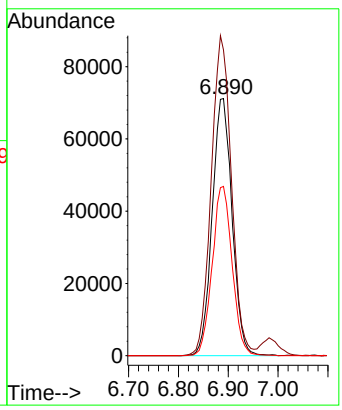


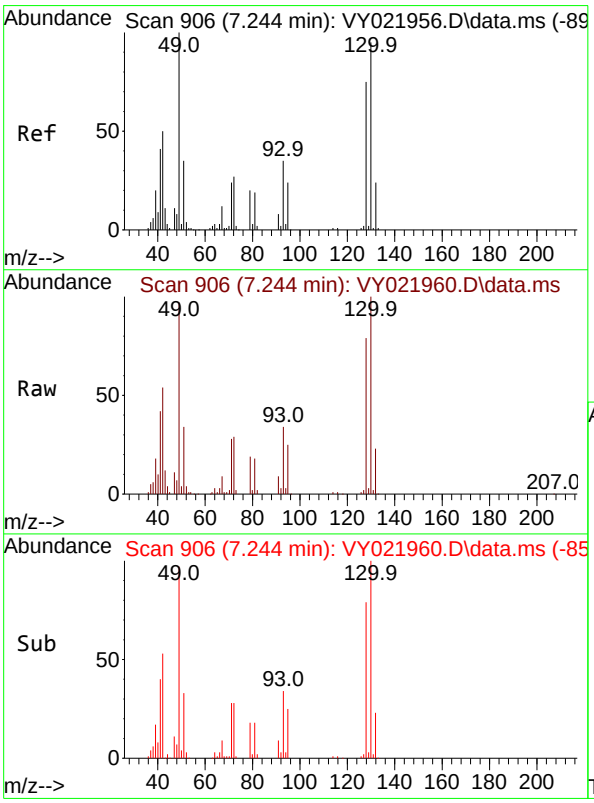
#27
cis-1,2-Dichloroethene
Concen: 47.795 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 96 Resp: 197583

Ion	Ratio	Lower	Upper
96	100		
61	126.0	0.0	251.4
98	65.8	0.0	128.4

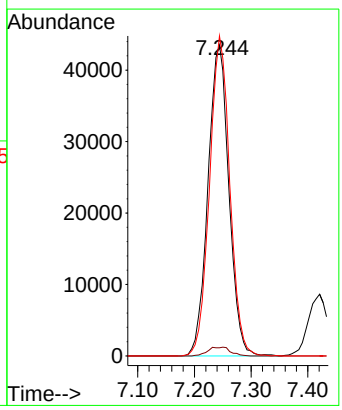


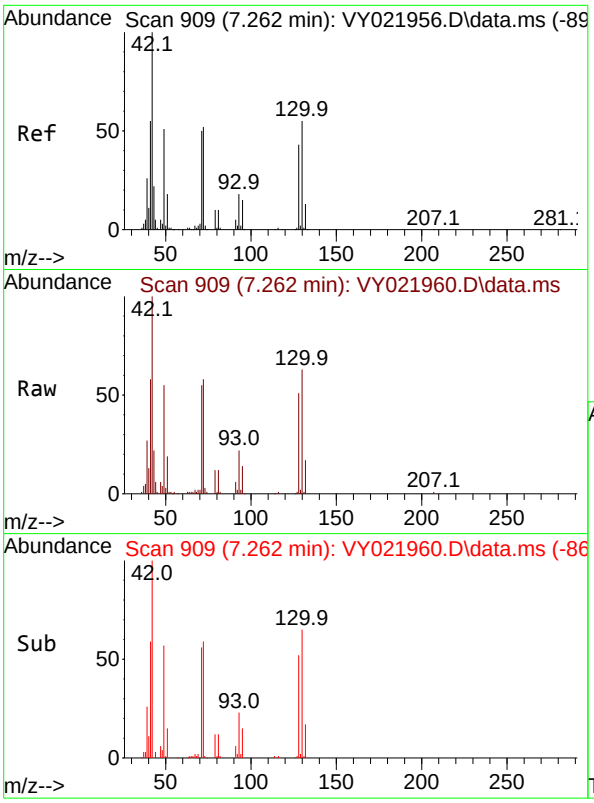


#28
Bromochloromethane
Concen: 48.457 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 49 Resp: 111601

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.0
130	99.6	78.2	117.4



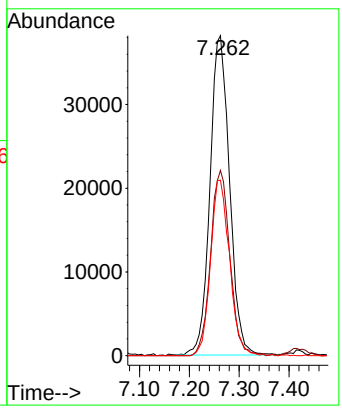


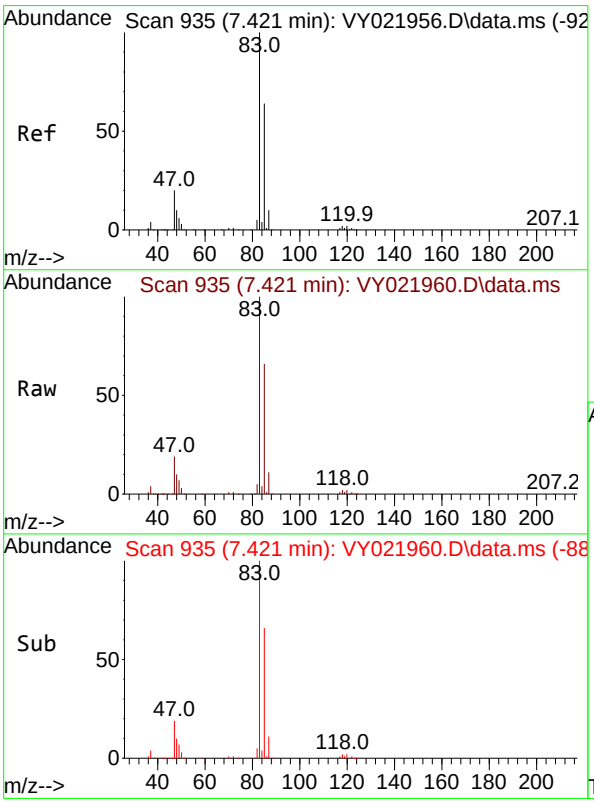
#29
Tetrahydrofuran
Concen: 229.194 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 42 Resp: 104080

Ion	Ratio	Lower	Upper
42	100		
72	57.2	42.6	63.8
71	53.3	40.6	61.0

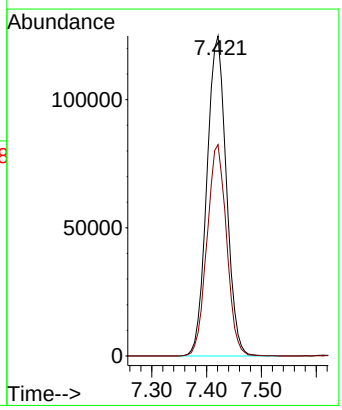


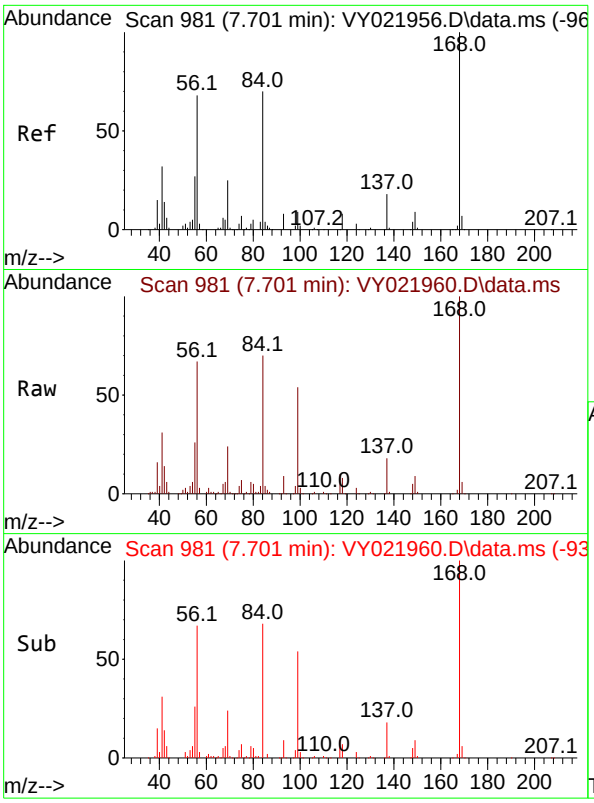


#30
Chloroform
Concen: 46.643 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 83 Resp: 306777

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9



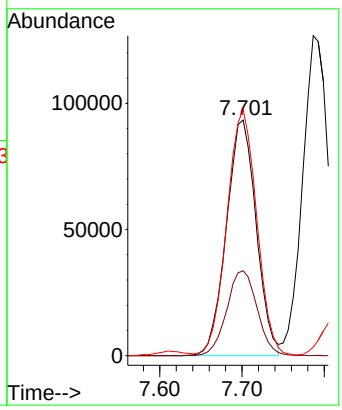


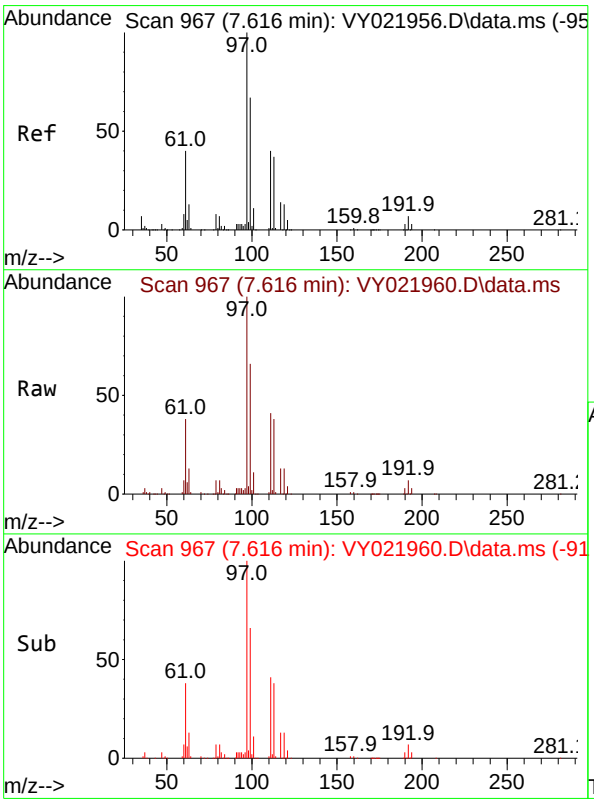
#31
Cyclohexane
Concen: 46.548 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 56 Resp: 236026

Ion	Ratio	Lower	Upper
56	100		
69	36.1	29.4	44.2
84	102.8	82.2	123.4

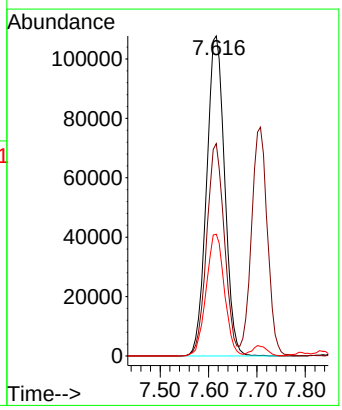


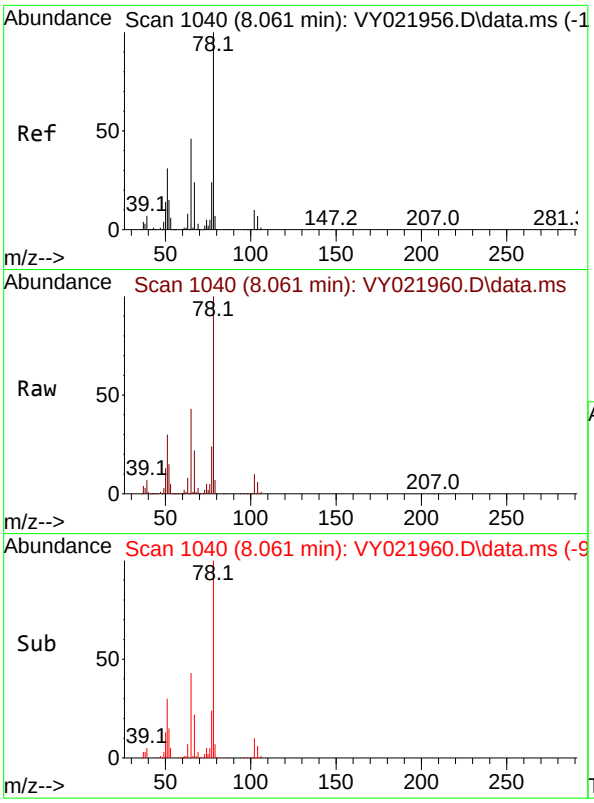


#32
1,1,1-Trichloroethane
Concen: 47.007 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 97 Resp: 279709

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.2
61	38.5	31.4	47.2



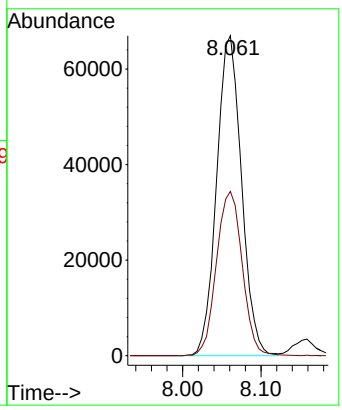


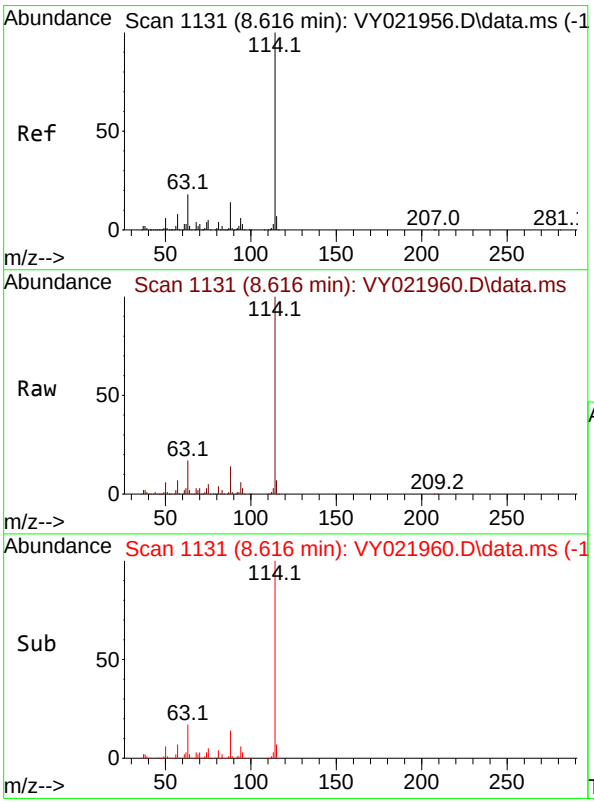
#33
1,2-Dichloroethane-d4
Concen: 48.224 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 65 Resp: 147920

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8

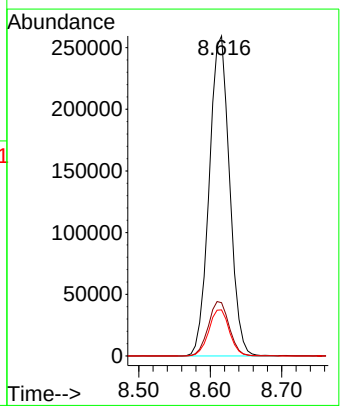


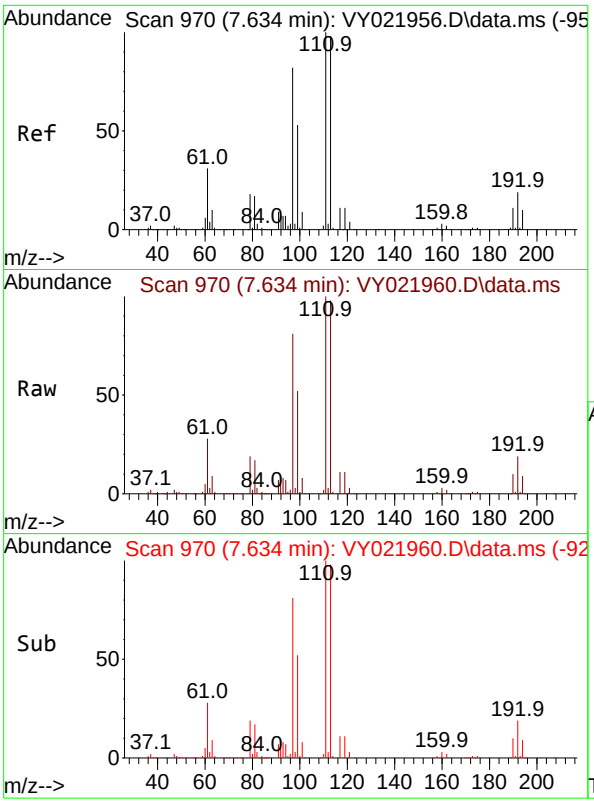


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:114 Resp: 512398

Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	35.4
88	14.4	0.0	28.2



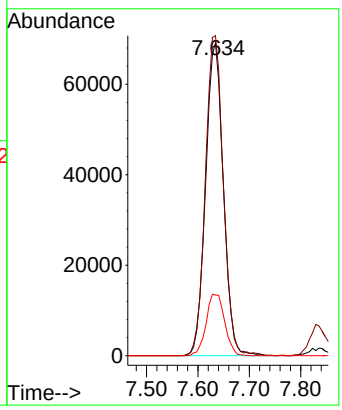


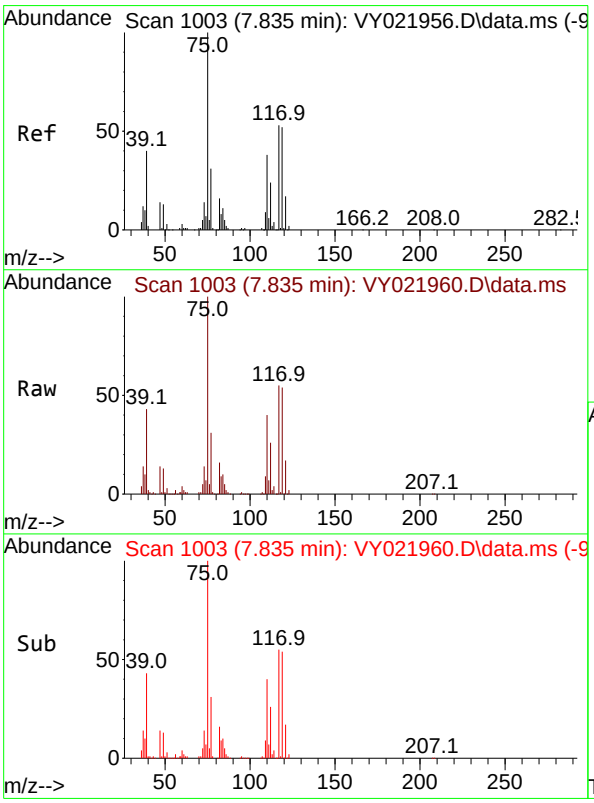
#35
Dibromofluoromethane
Concen: 48.989 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:113 Resp: 165837

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	20.5	15.6	23.4

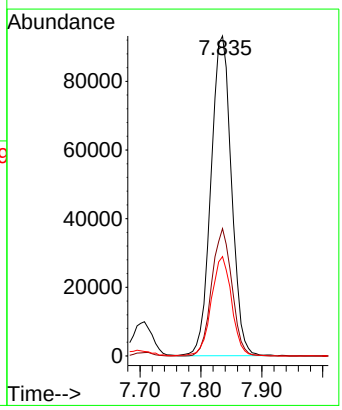


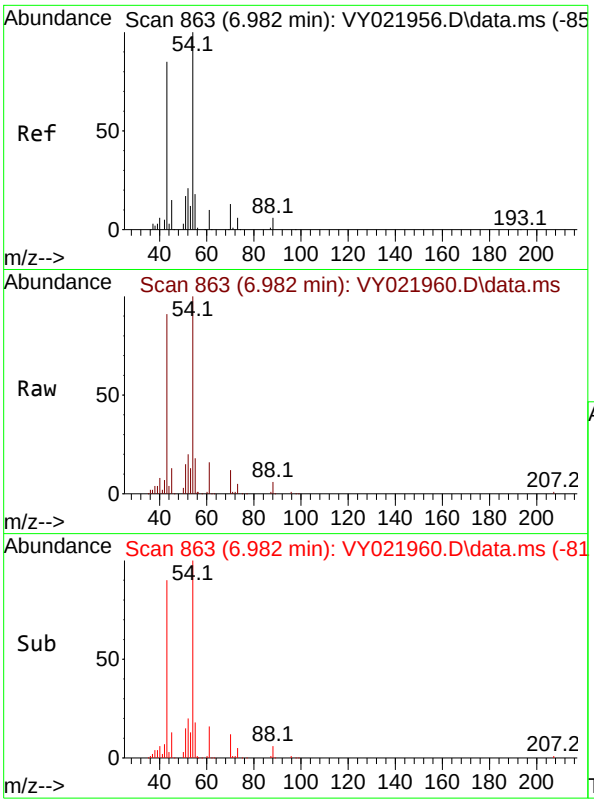


#36
1,1-Dichloropropene
Concen: 47.914 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 217873

Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.1	57.3
77	30.9	25.5	38.3



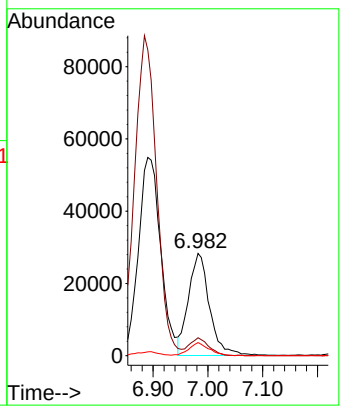


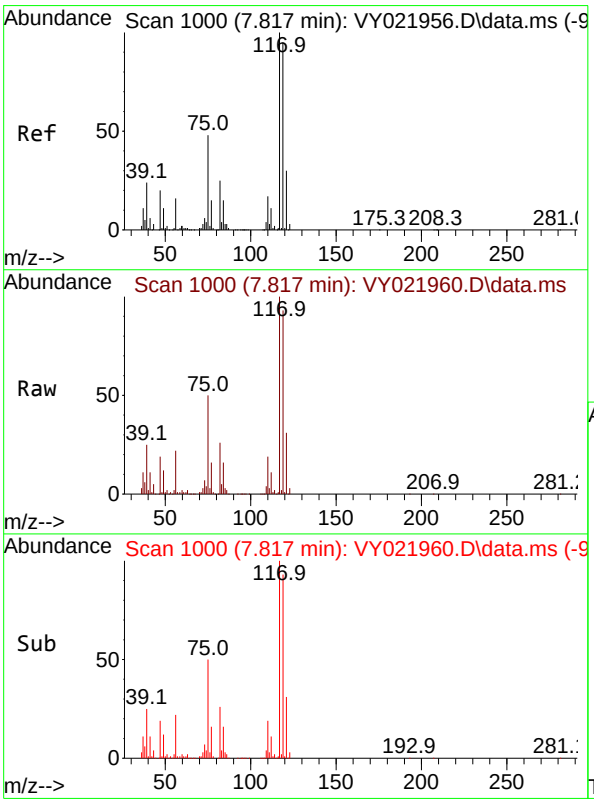
#37
Ethyl Acetate
Concen: 46.092 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43 Resp: 75275

Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.8	20.6
70	12.2	9.2	13.8

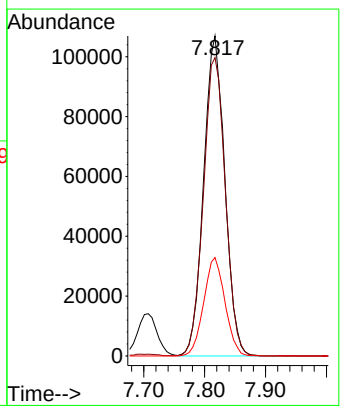


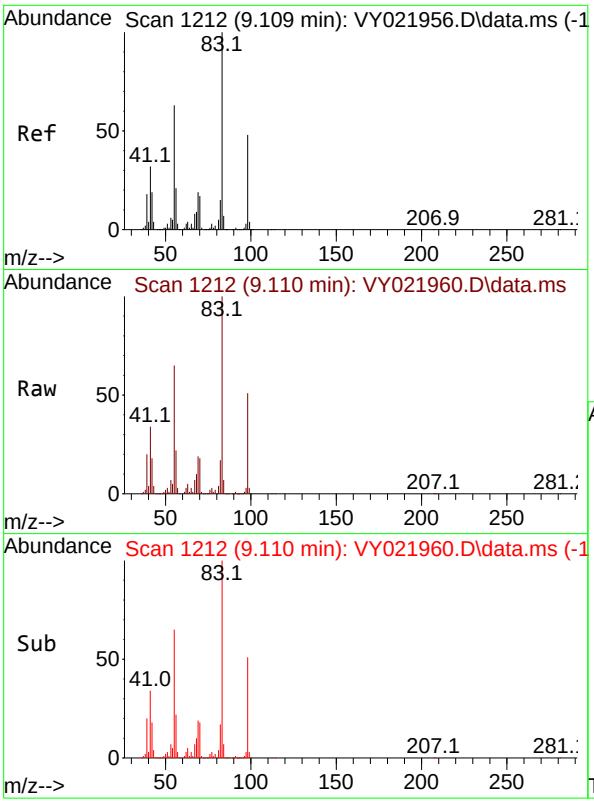


#38
Carbon Tetrachloride
Concen: 47.630 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:117 Resp: 258803

Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.2	114.4
121	30.8	24.0	36.0



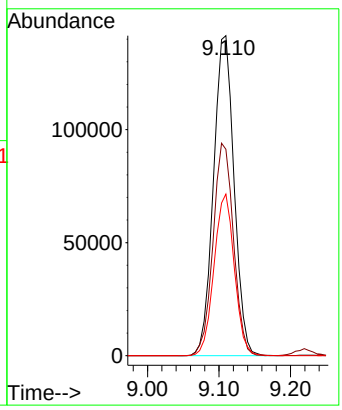


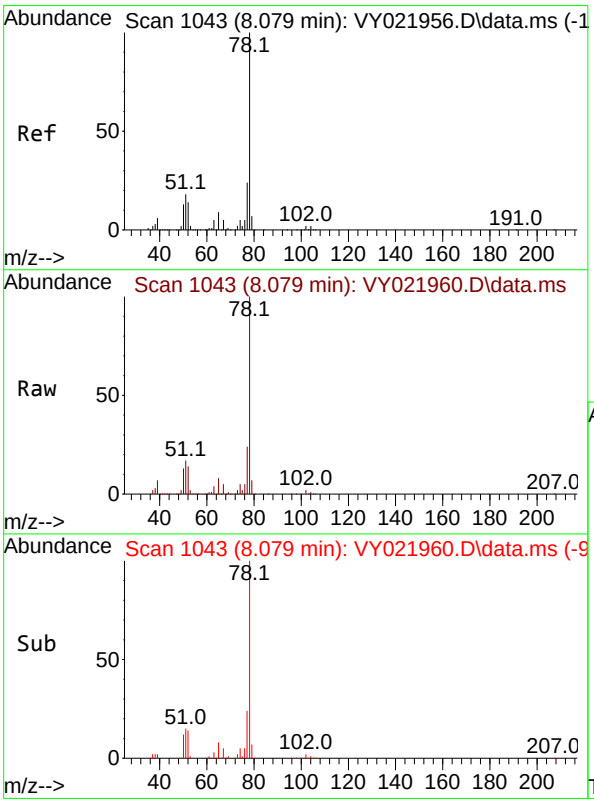
#39
Methylcyclohexane
Concen: 49.486 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 83 Resp: 283178

Ion	Ratio	Lower	Upper
83	100		
55	64.5	50.6	75.8
98	50.5	38.6	58.0

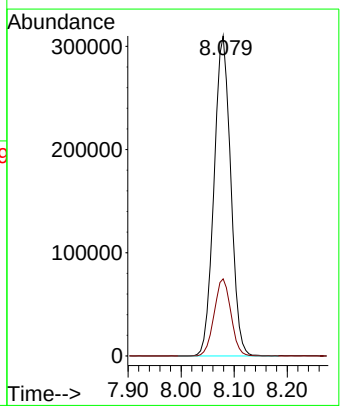


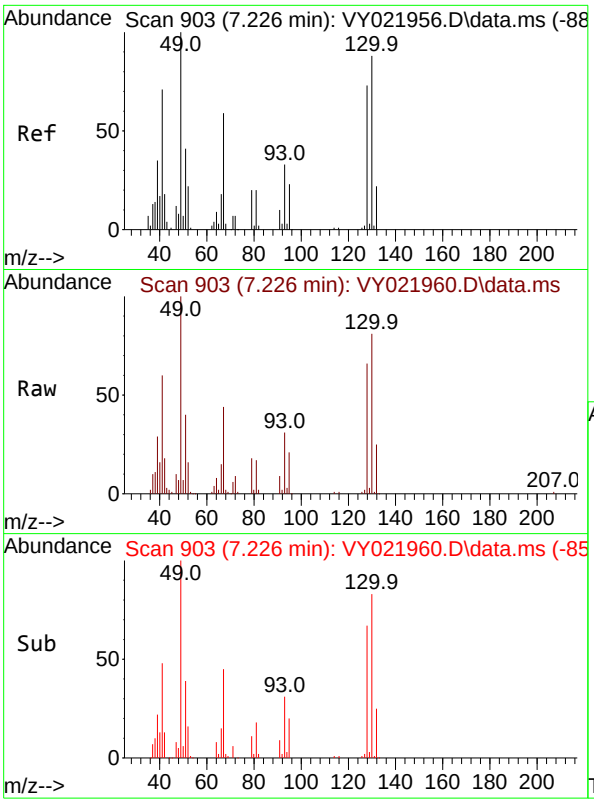


#40
Benzene
Concen: 47.692 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 78 Resp: 677917

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9



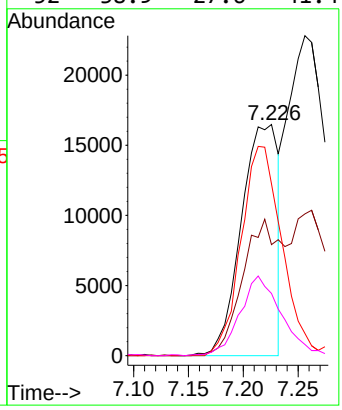


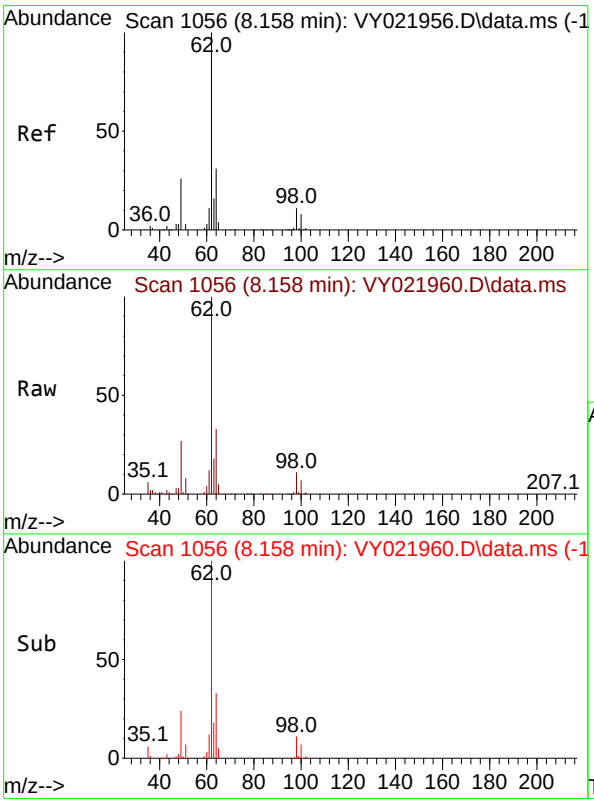
#41
Methacrylonitrile
Concen: 43.342 ug/l
RT: 7.226 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 41 Resp: 38694

Ion	Ratio	Lower	Upper
41	100		
39	62.5	36.6	55.0#
67	100.7	72.2	108.4
52	38.9	27.6	41.4

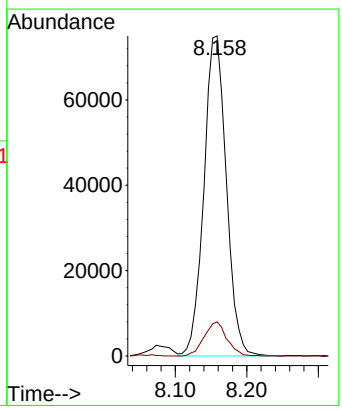


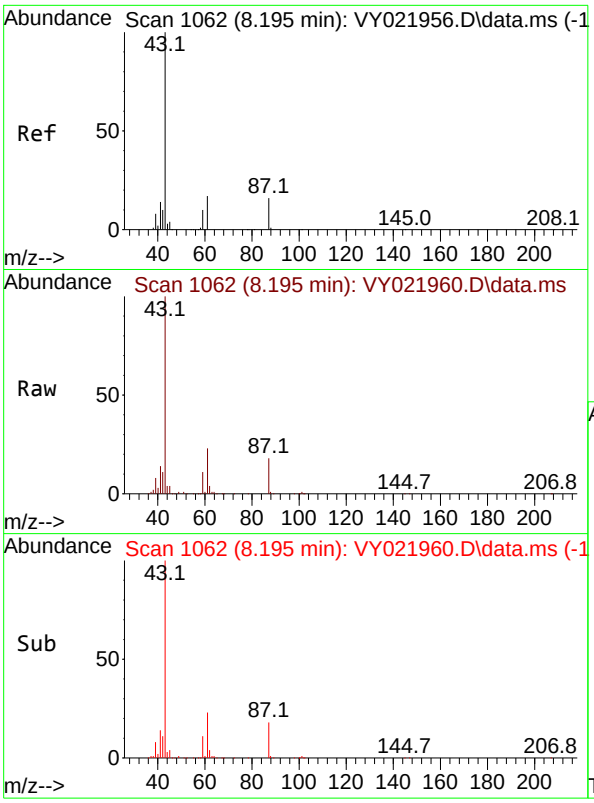


#42
1,2-Dichloroethane
Concen: 46.472 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 62 Resp: 163549

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



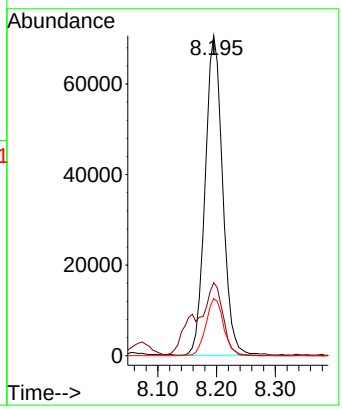


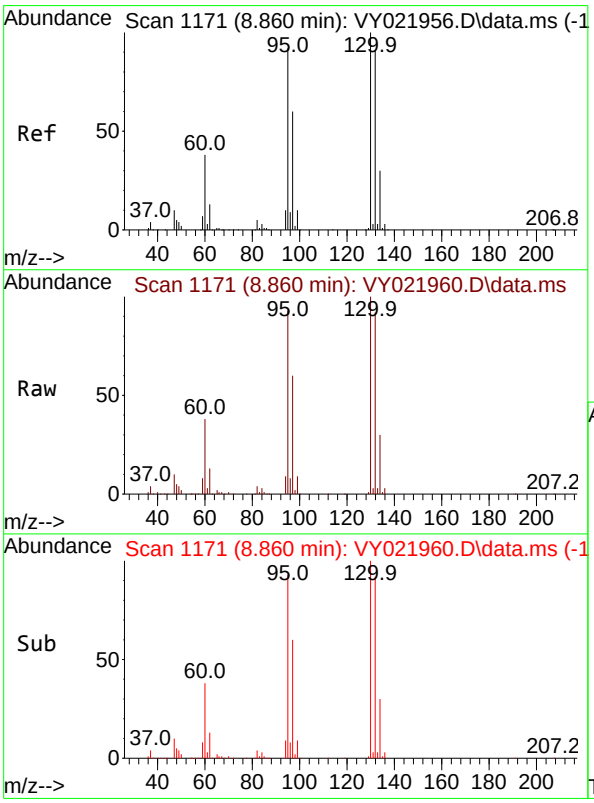
#43
Isopropyl Acetate
Concen: 46.545 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43 Resp: 145980

Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.9	28.3
87	18.2	13.7	20.5

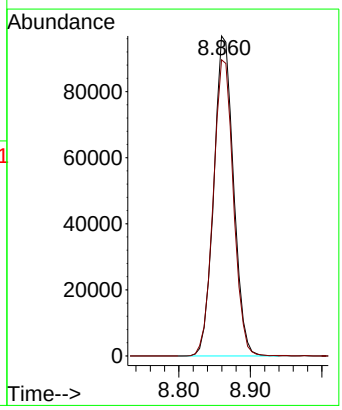


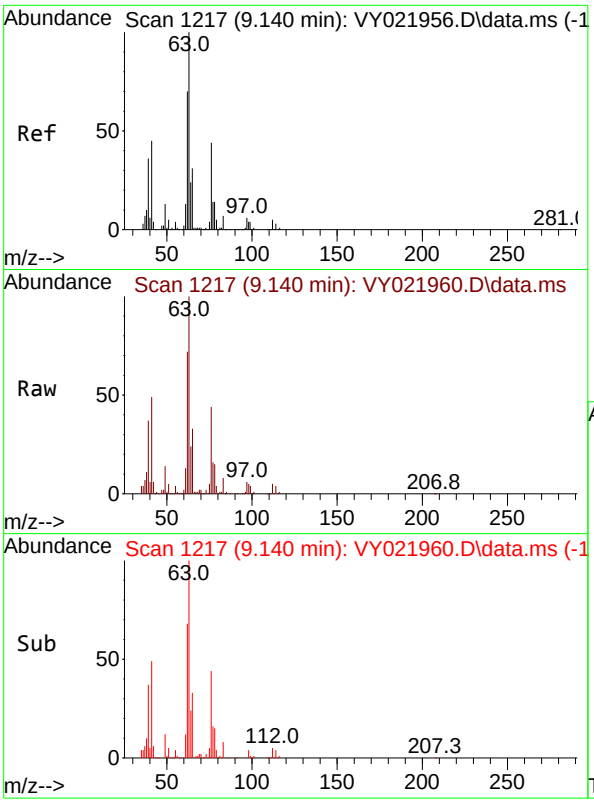


#44
Trichloroethene
Concen: 47.027 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:130 Resp: 185153

Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	183.2



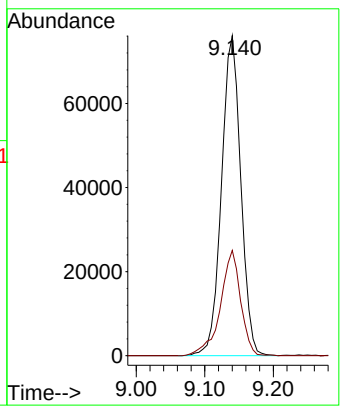


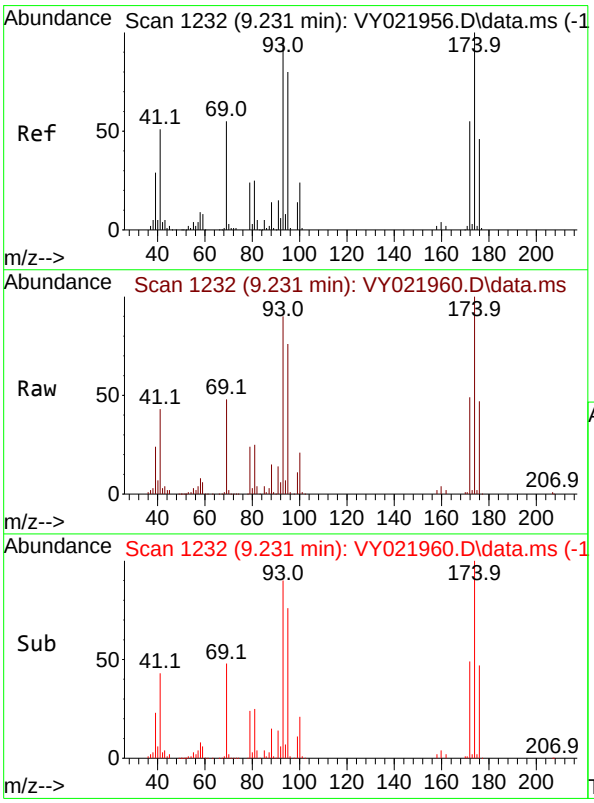
#45
1,2-Dichloropropane
Concen: 47.326 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 63 Resp: 148767

Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.2	37.8

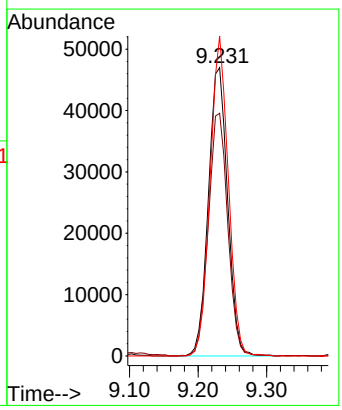


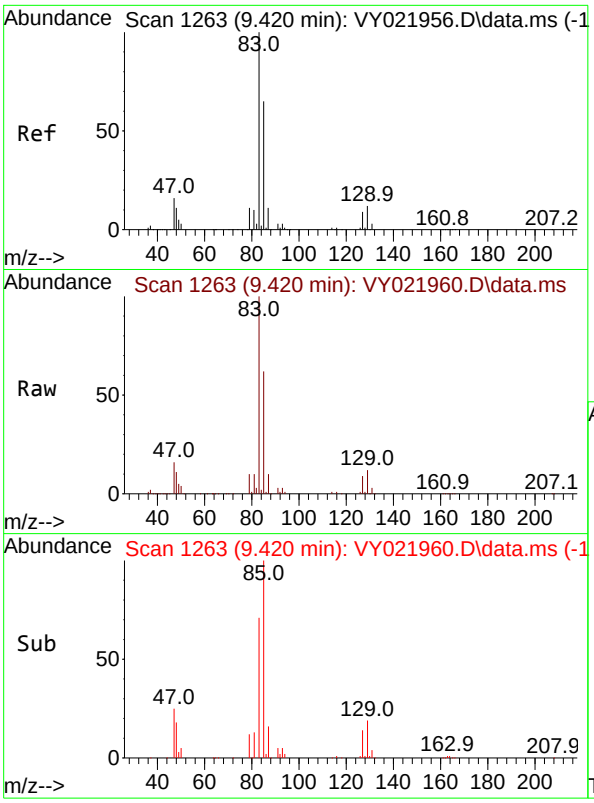


#46
Dibromomethane
Concen: 46.578 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 93 Resp: 91655

Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	105.0	84.6	127.0



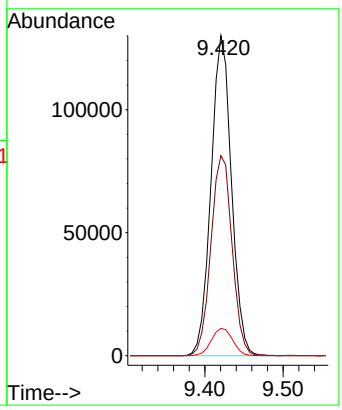


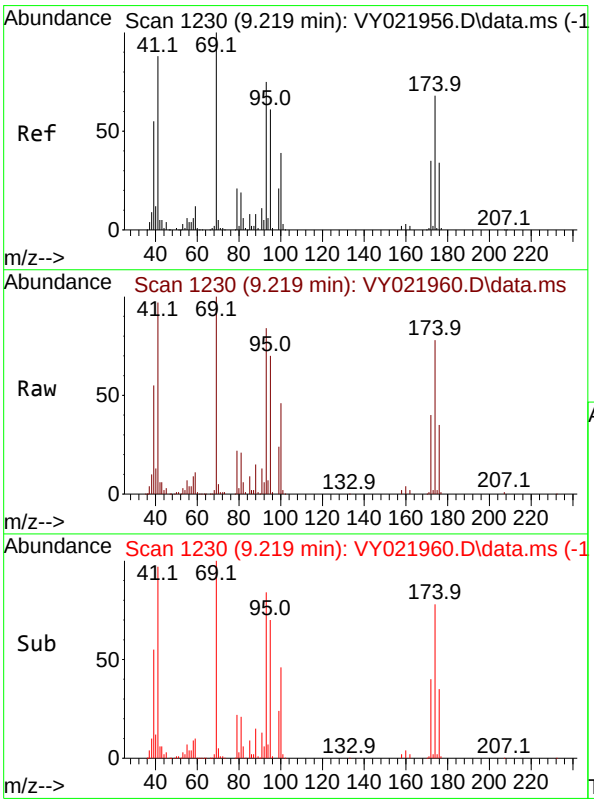
#47
Bromodichloromethane
Concen: 47.955 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 83 Resp: 235736

Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.8	77.8
127	8.5	7.0	10.6

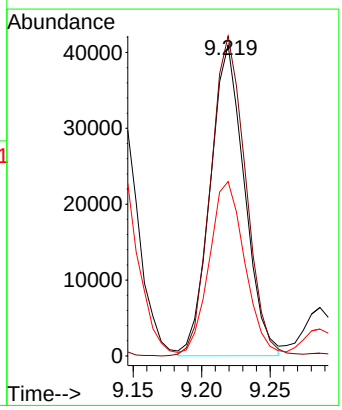


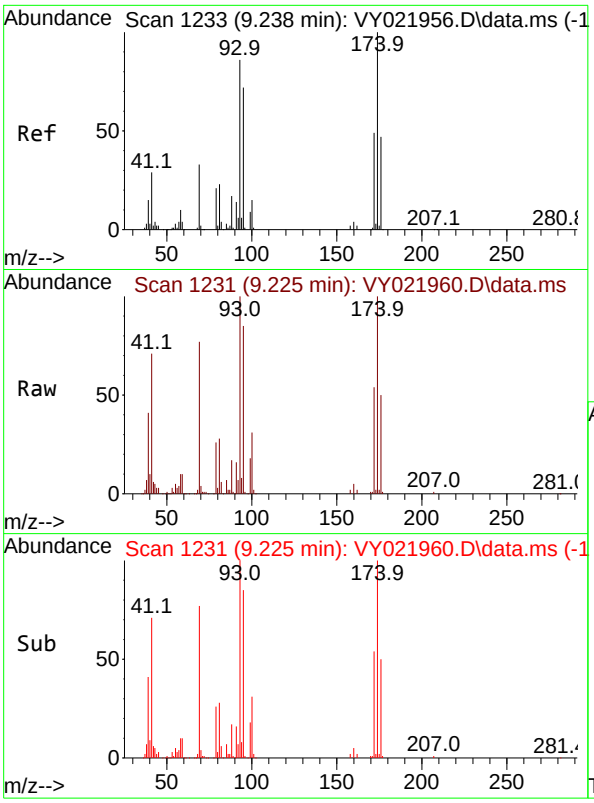


#48
Methyl methacrylate
Concen: 49.090 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 41 Resp: 71174

Ion	Ratio	Lower	Upper
41	100		
69	105.2	85.5	128.3
39	55.9	46.2	69.4



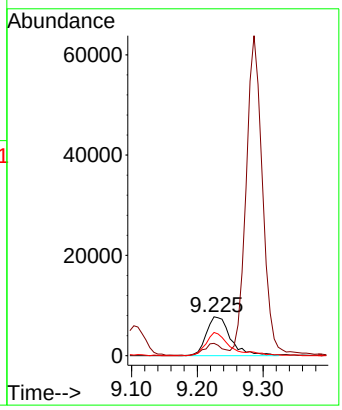


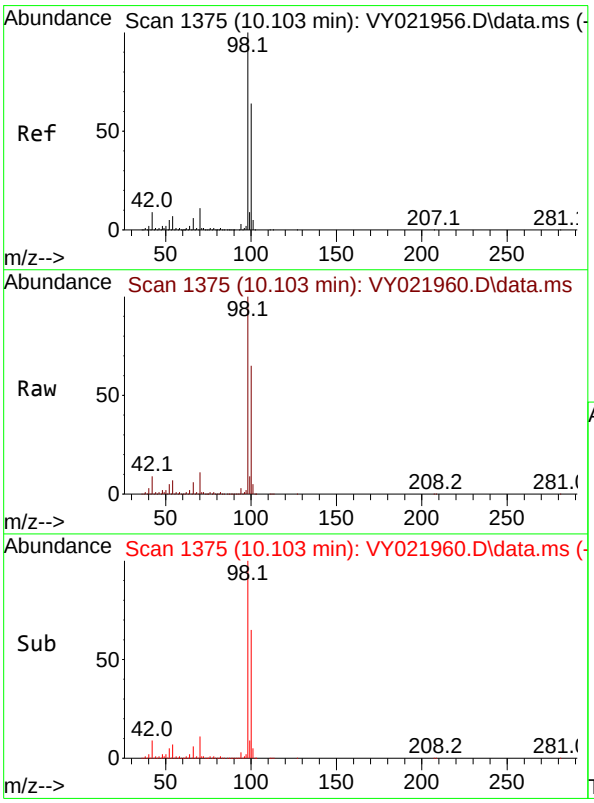
#49
1,4-Dioxane
Concen: 951.409 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 88 Resp: 19954

Ion	Ratio	Lower	Upper
88	100		
43	25.4	21.3	31.9
58	53.4	50.5	75.7

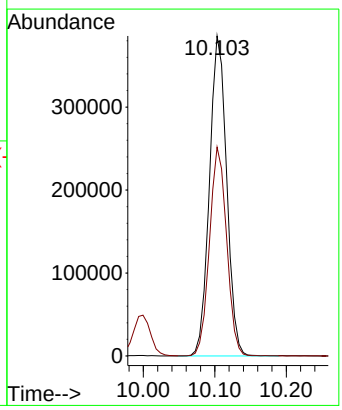


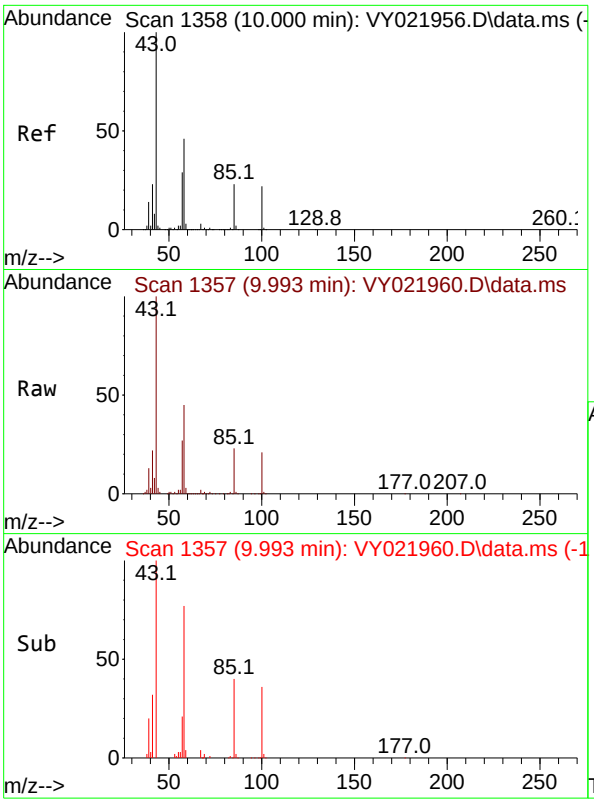


#50
Toluene-d8
Concen: 50.539 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 98 Resp: 644989

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4



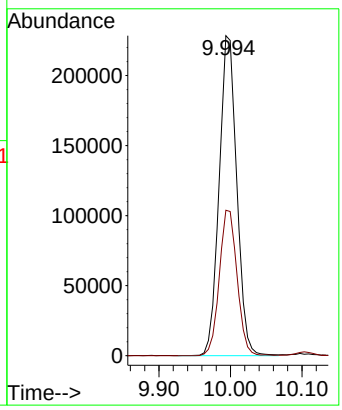


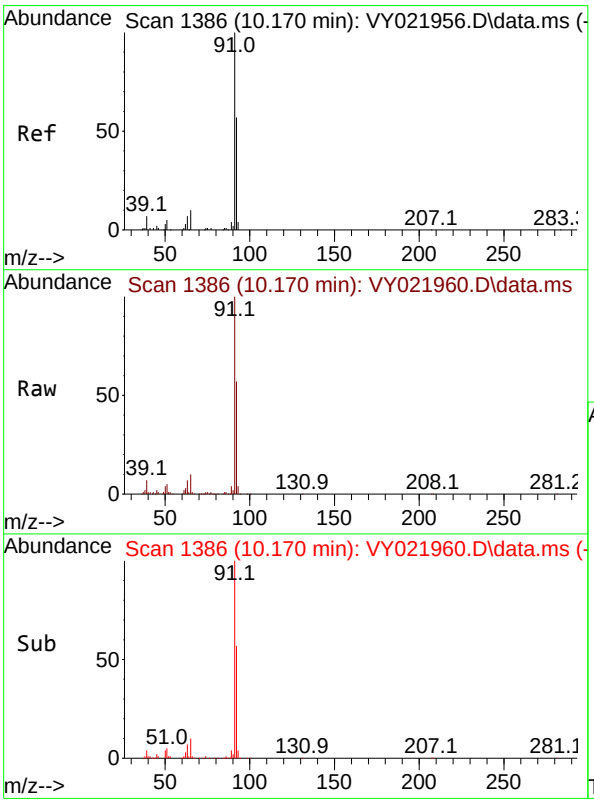
#51
4-Methyl-2-Pentanone
Concen: 237.972 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43 Resp: 391245

Ion	Ratio	Lower	Upper
43	100		
58	45.8	36.6	55.0

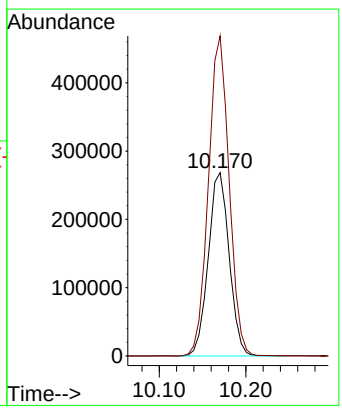


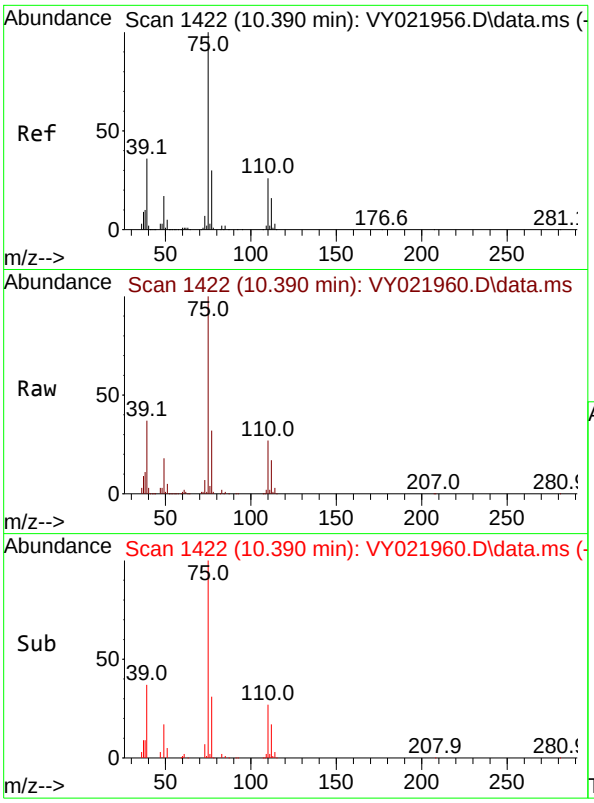


#52
Toluene
Concen: 48.774 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 92 Resp: 448774

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.6	207.8



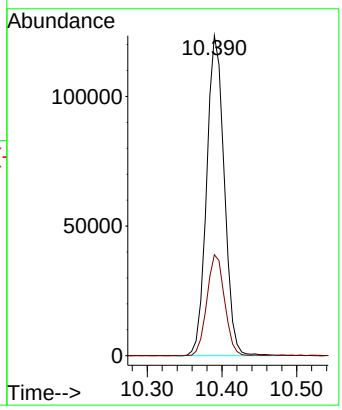


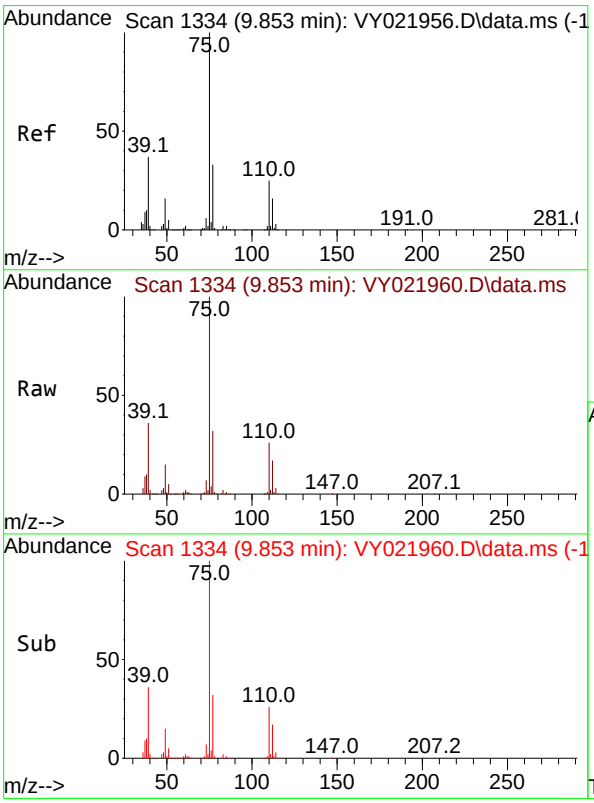
#53
t-1,3-Dichloropropene
Concen: 47.893 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 75 Resp: 201939

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.0	36.0

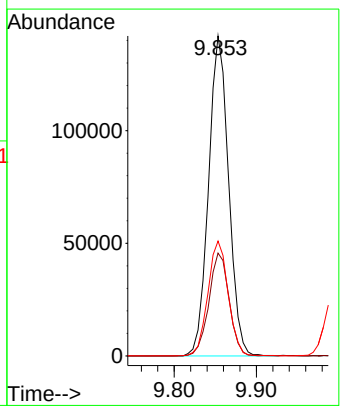


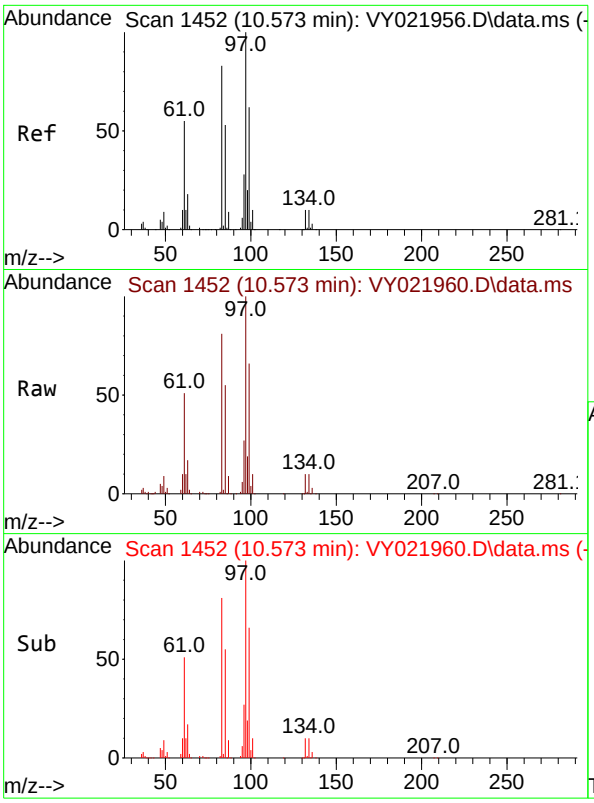


#54
cis-1,3-Dichloropropene
Concen: 48.122 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 241197

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.6	40.0
39	35.9	29.6	44.4



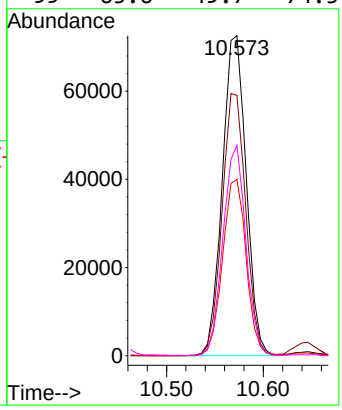


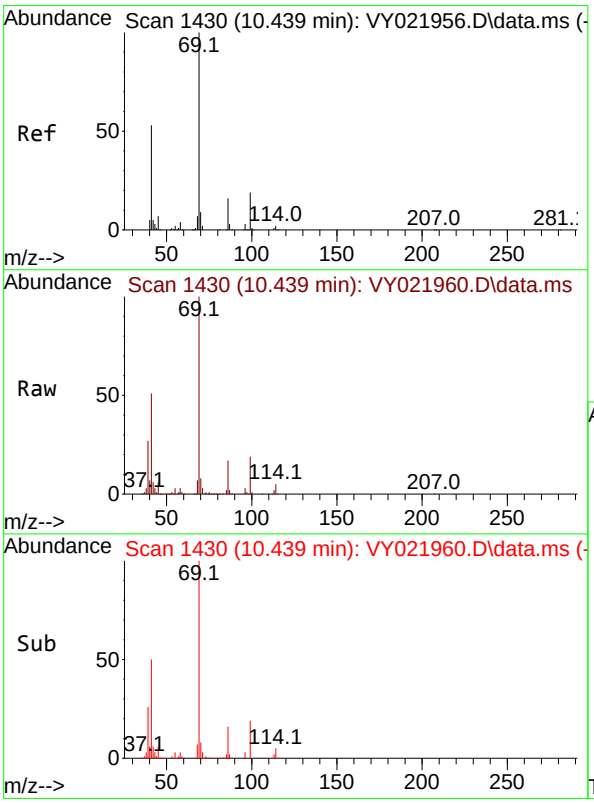
#55
1,1,2-Trichloroethane
Concen: 47.403 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 97 Resp: 124598

Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.7	100.1
85	55.1	42.6	64.0
99	65.6	49.7	74.5

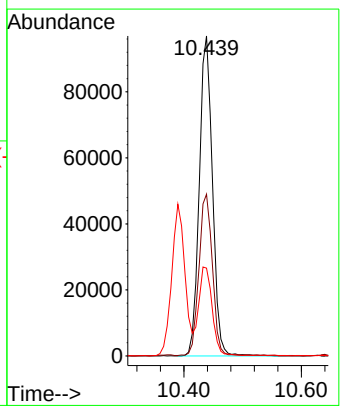


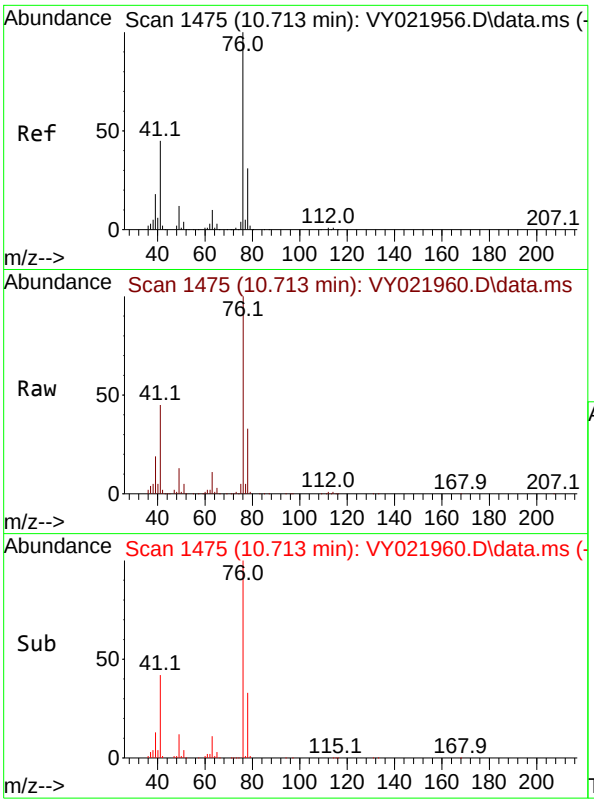


#56
Ethyl methacrylate
Concen: 50.188 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 69 Resp: 150855

Ion	Ratio	Lower	Upper
69	100		
41	51.3	40.7	61.1
39	28.3	23.3	34.9



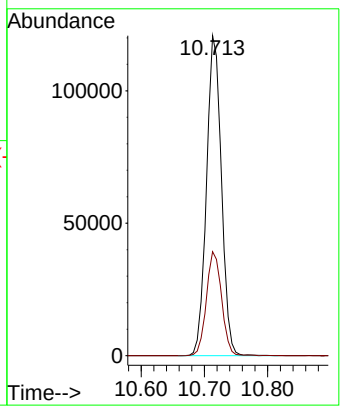


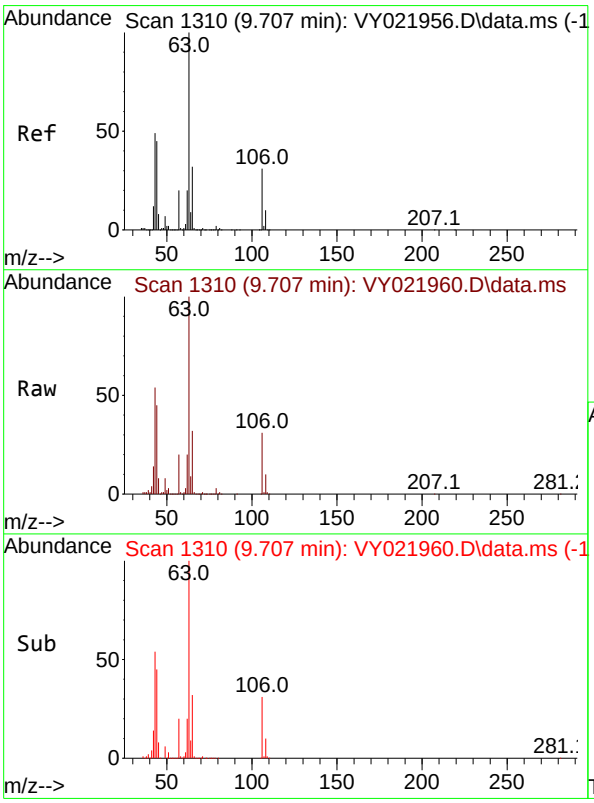
#57
1,3-Dichloropropane
Concen: 47.024 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 76 Resp: 198147

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

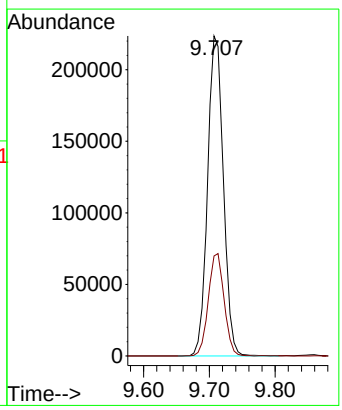


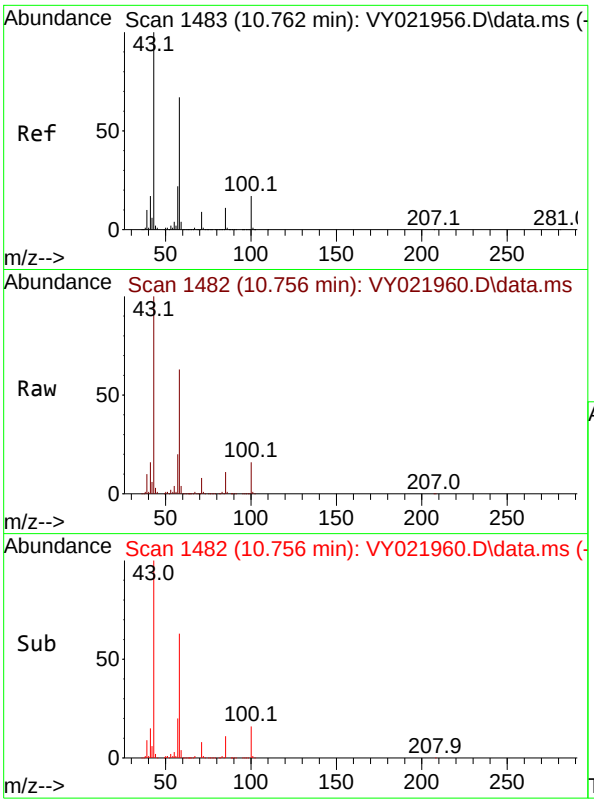


#58
2-Chloroethyl Vinyl ether
Concen: 253.928 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 63 Resp: 373183

Ion	Ratio	Lower	Upper
63	100		
106	32.0	25.3	37.9



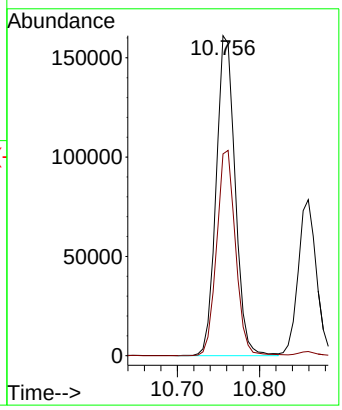


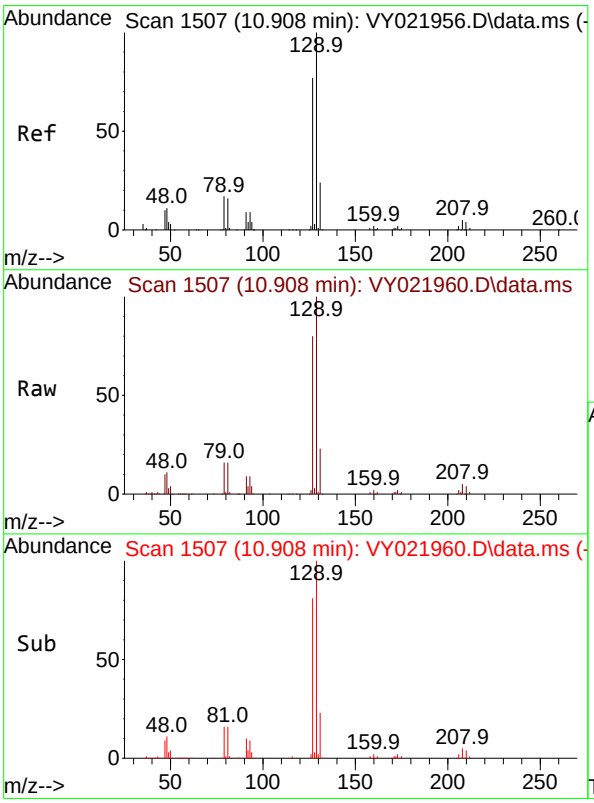
#59
2-Hexanone
Concen: 238.340 ug/l
RT: 10.756 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 43 Resp: 258458

Ion	Ratio	Lower	Upper
43	100		
58	63.9	32.0	96.0

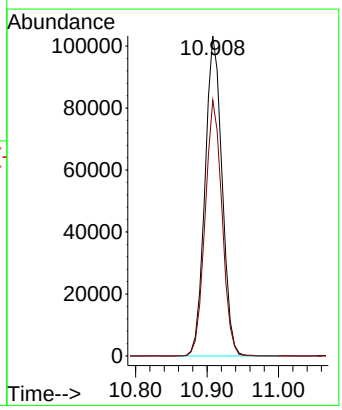


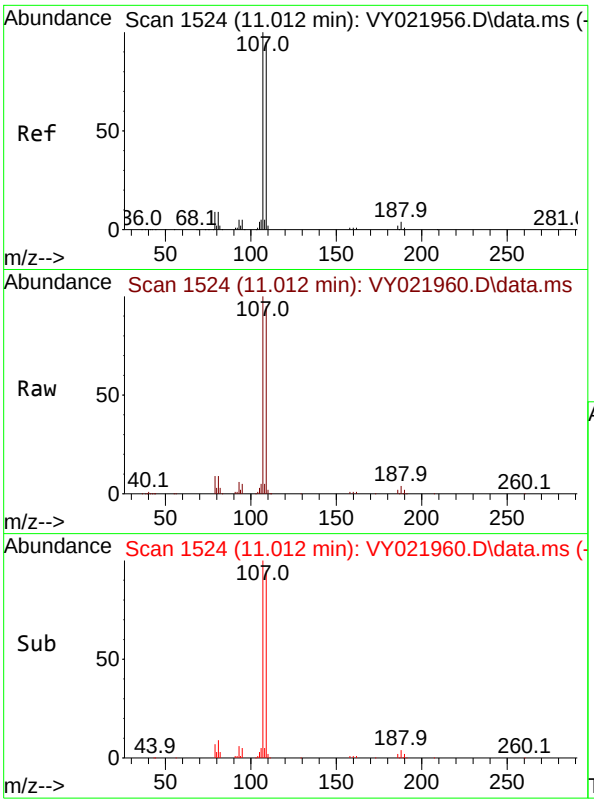


#60
Dibromochloromethane
Concen: 46.882 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:129 Resp: 170608

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.5	115.3



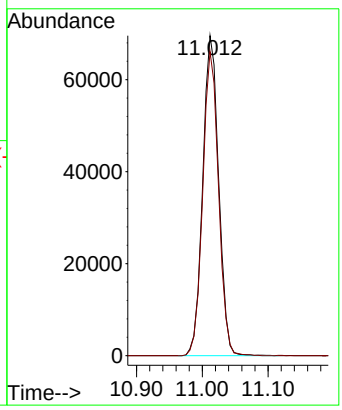


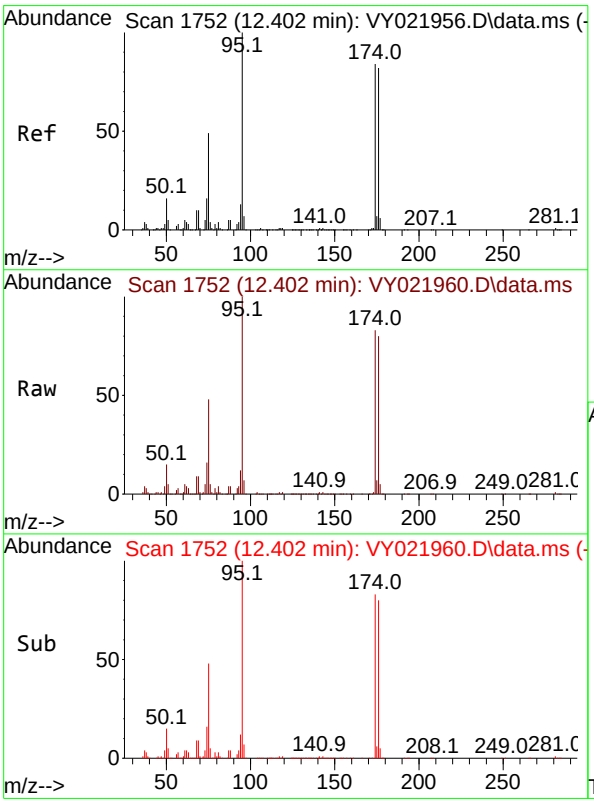
#61
1,2-Dibromoethane
Concen: 47.188 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:107 Resp: 117095

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

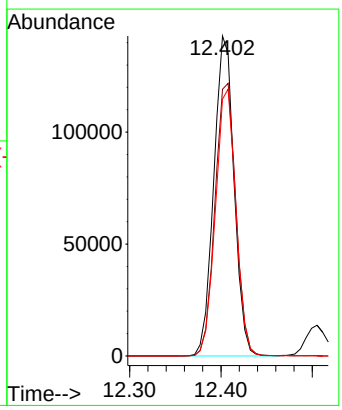


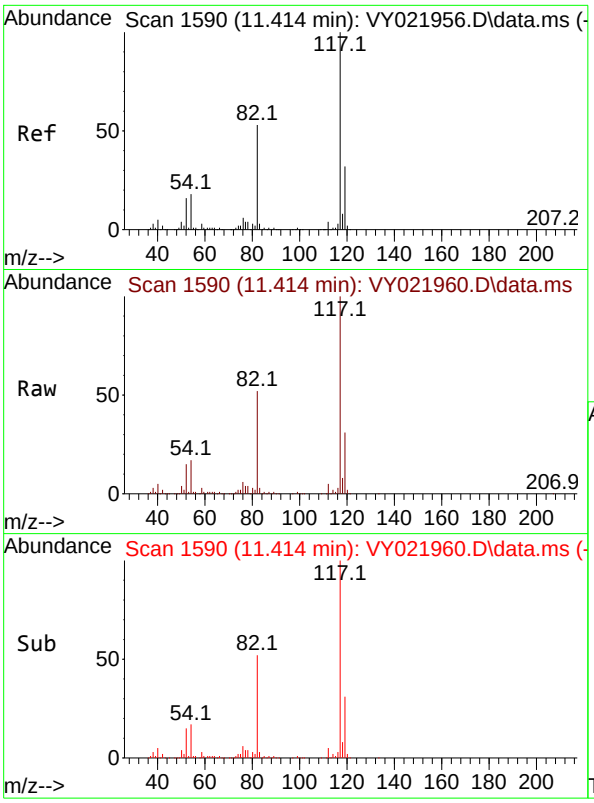


#62
4-Bromofluorobenzene
Concen: 51.198 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 95 Resp: 219958

Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	179.0
176	84.4	0.0	171.8



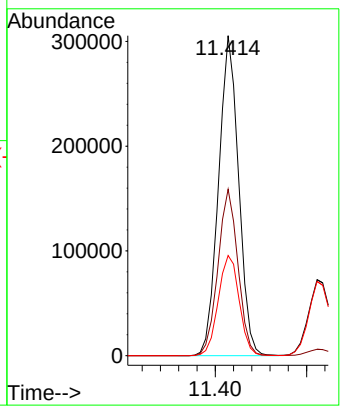


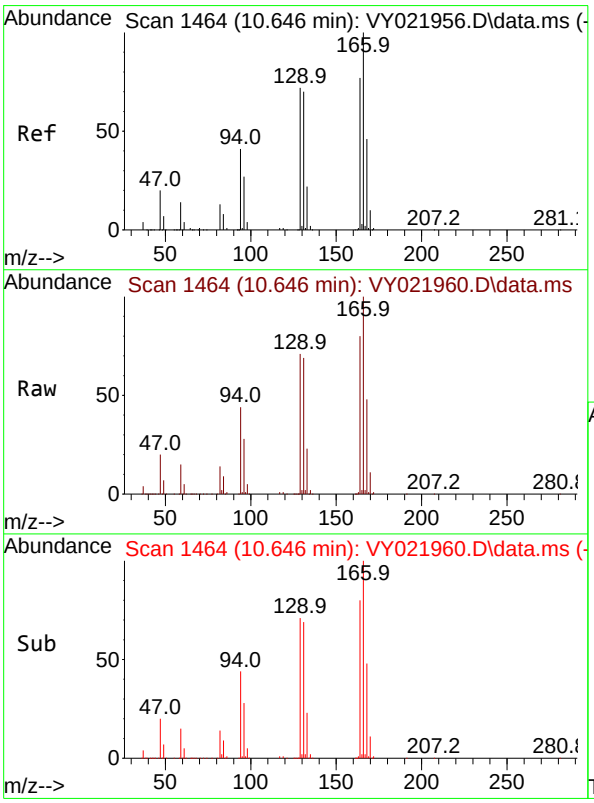
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:117 Resp: 467094

Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	31.3	25.7	38.5

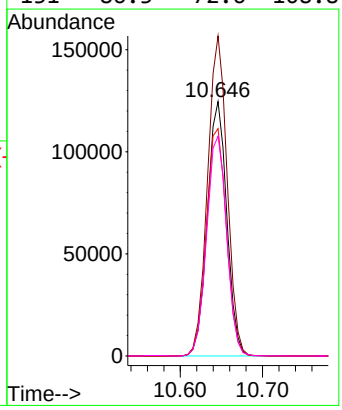


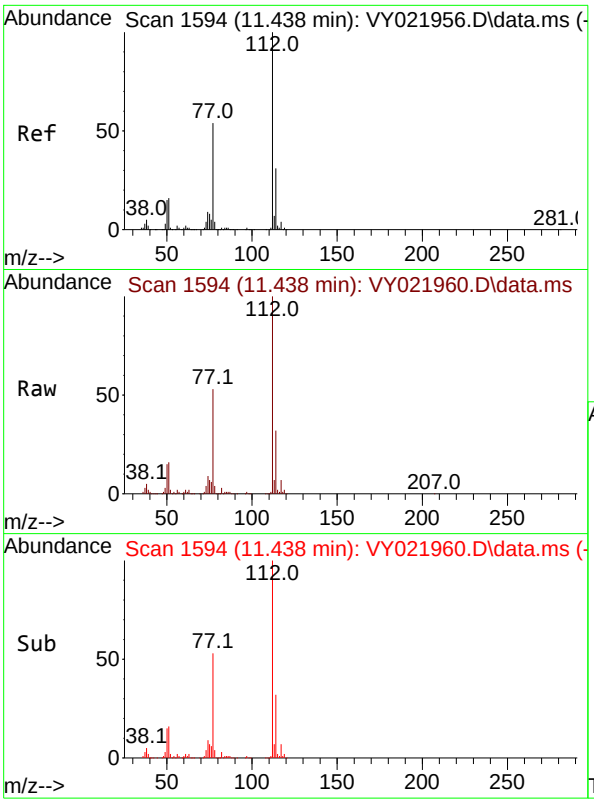


#64
Tetrachloroethene
Concen: 46.550 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:164 Resp: 205118

Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.6	155.4
129	89.4	74.2	111.4
131	86.3	72.6	108.8



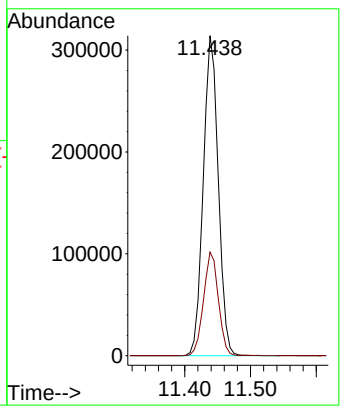


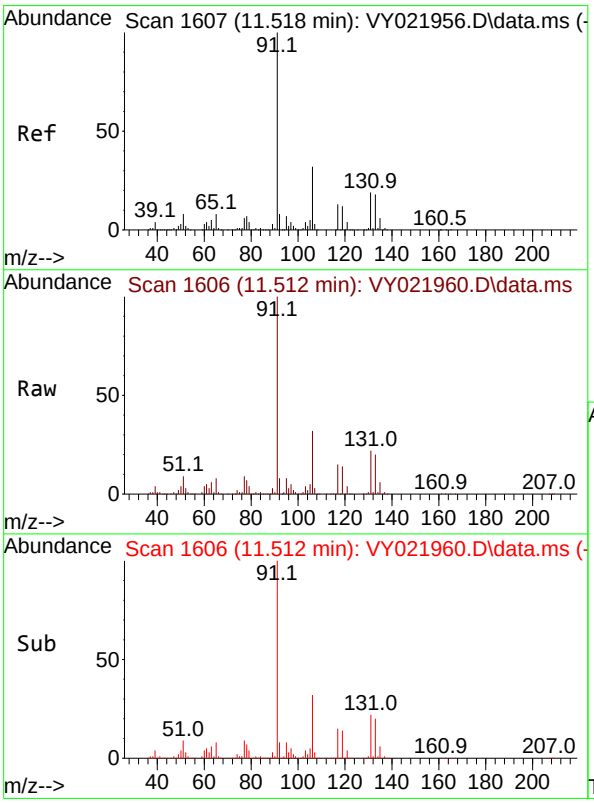
#65
Chlorobenzene
Concen: 47.734 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:112 Resp: 498605

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4

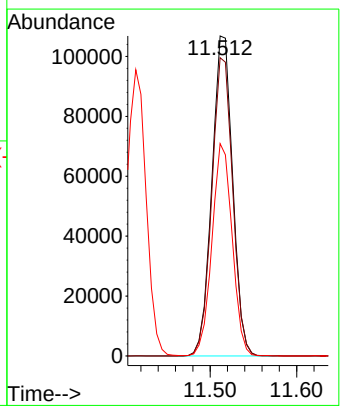


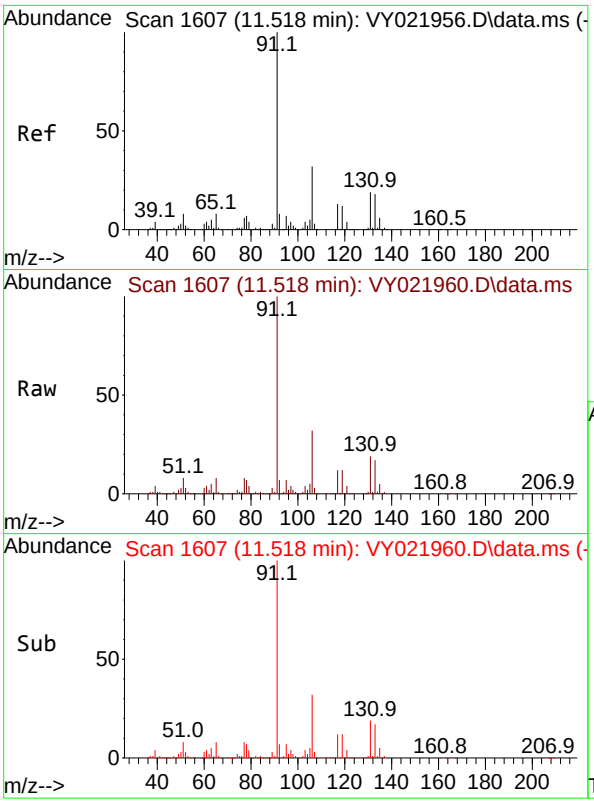


#66
1,1,1,2-Tetrachloroethane
Concen: 48.308 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:131 Resp: 177647

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.8	143.3
119	64.7	32.4	97.0



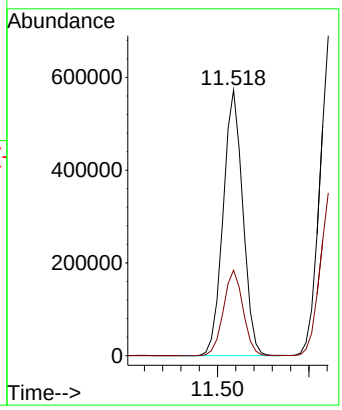


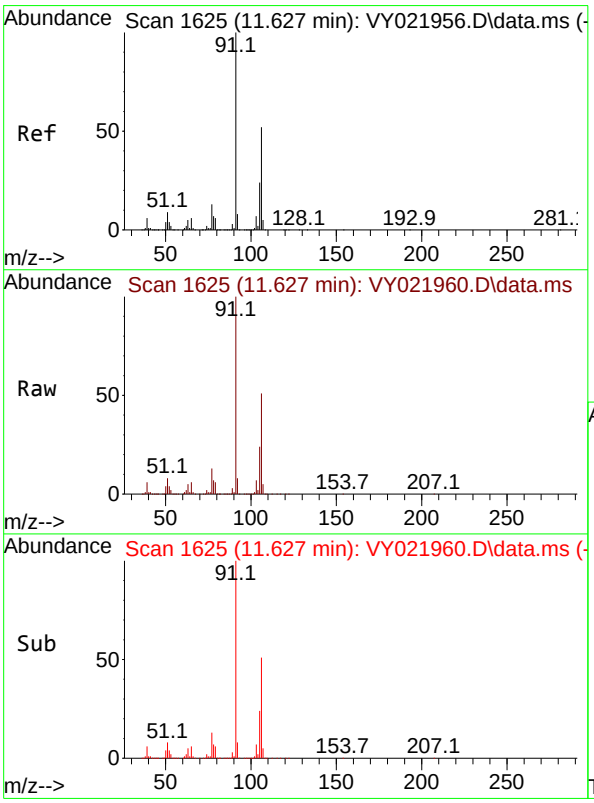
#67
Ethyl Benzene
Concen: 50.142 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 91 Resp: 856779

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.9	38.9

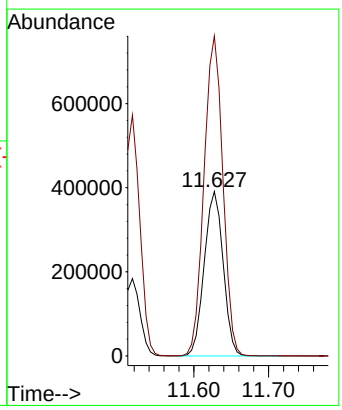


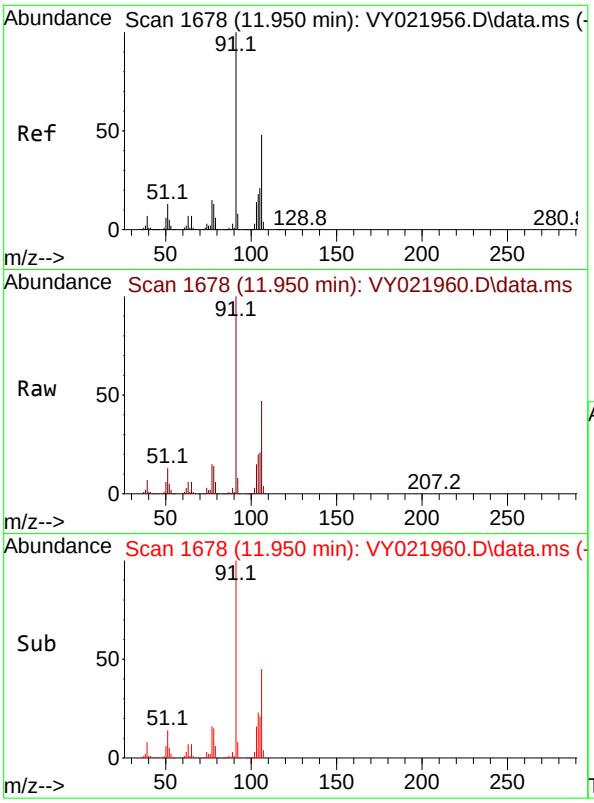


#68
m/p-Xylenes
Concen: 101.181 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:106 Resp: 687961

Ion	Ratio	Lower	Upper
106	100		
91	193.7	156.2	234.2



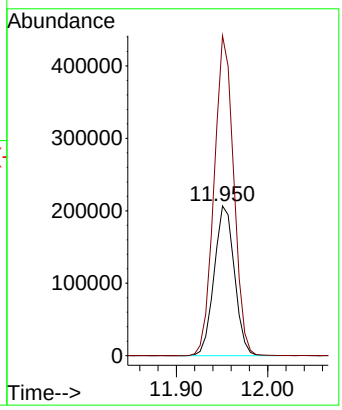


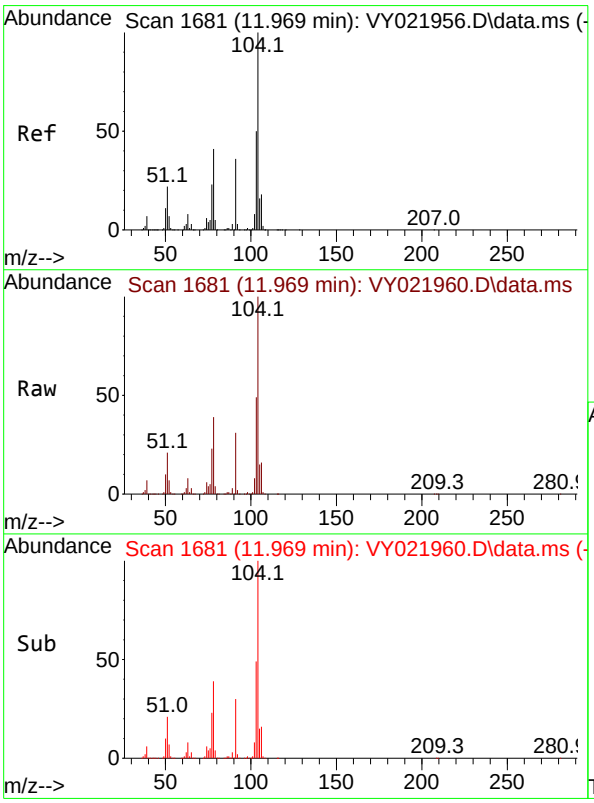
#69
o-Xylene
Concen: 50.949 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:106 Resp: 319291

Ion	Ratio	Lower	Upper
106	100		
91	206.7	103.0	308.9

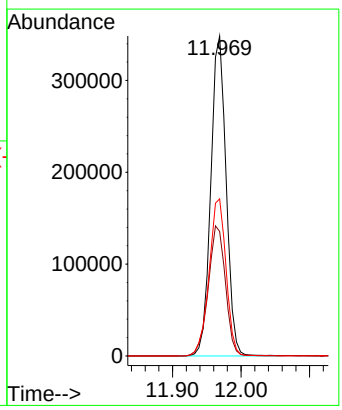


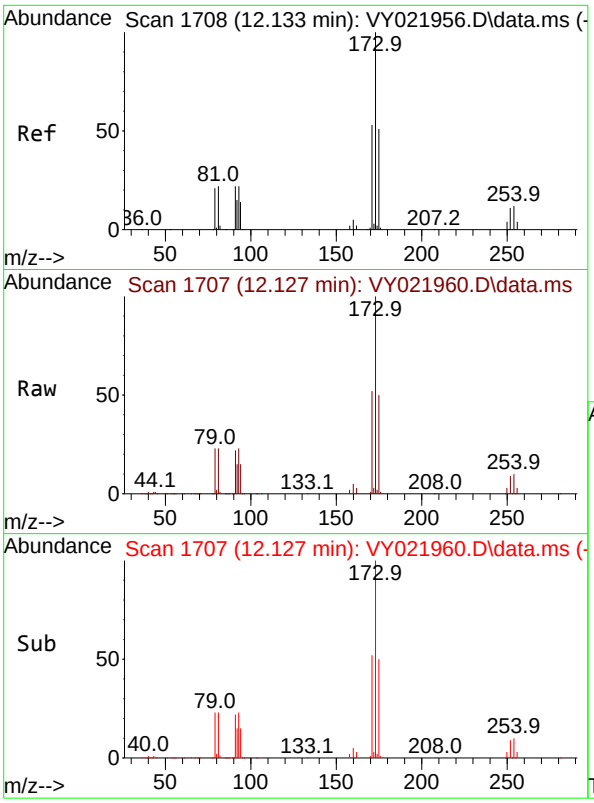


#70
Styrene
Concen: 51.513 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:104 Resp: 542034

Ion	Ratio	Lower	Upper
104	100		
78	45.5	36.6	54.8
103	54.4	43.8	65.8



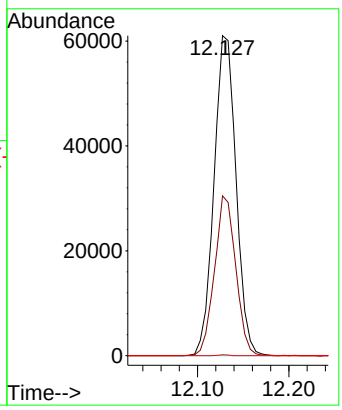


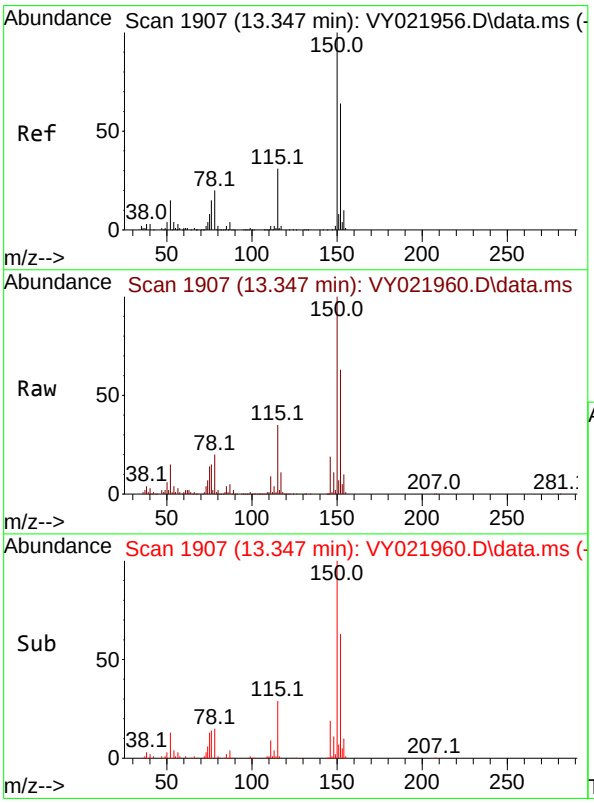
#71
Bromoform
Concen: 47.821 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:173 Resp: 102241

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.1	0.0	0.0#

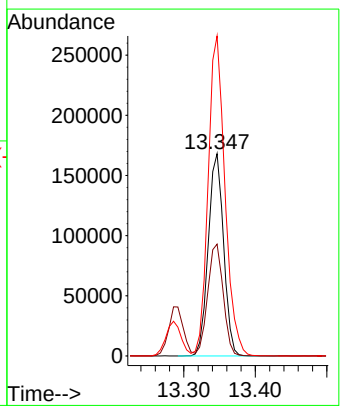


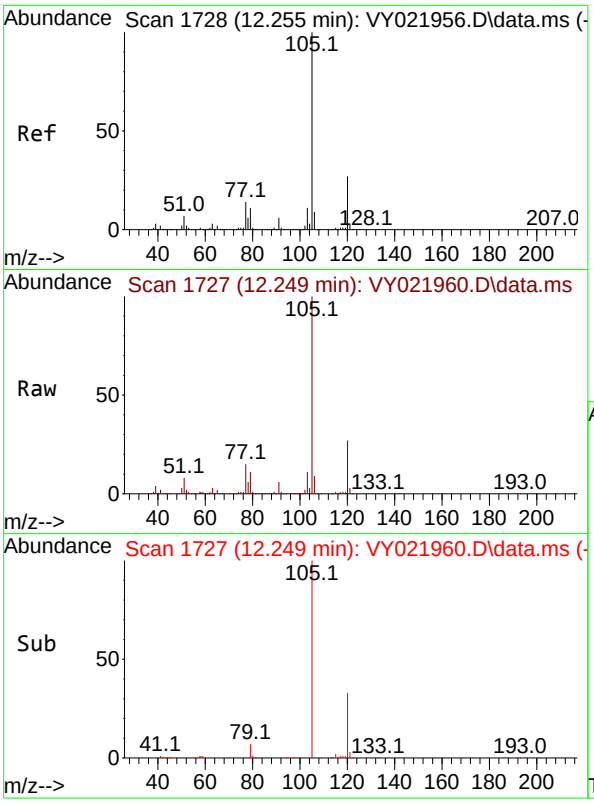


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:152 Resp: 250602

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	173.6	0.0	345.6



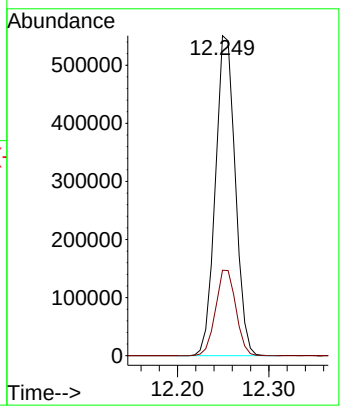


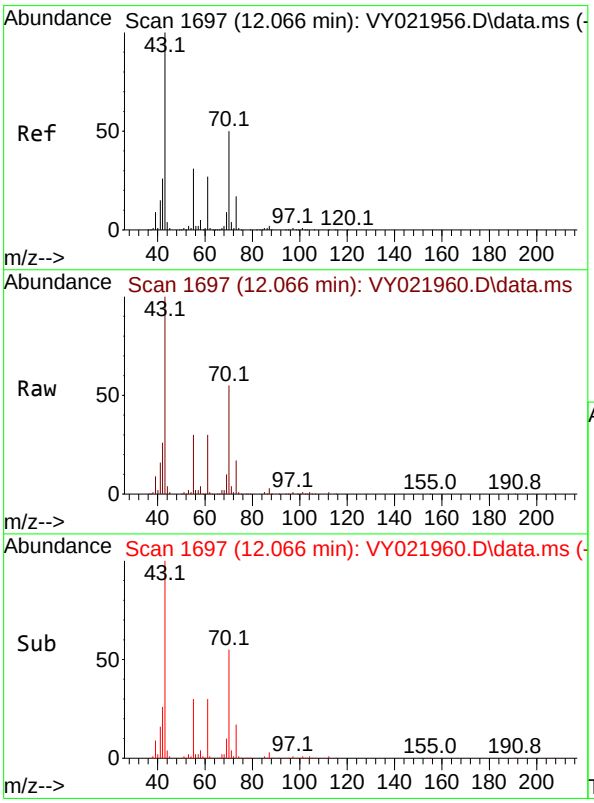
#73
Isopropylbenzene
Concen: 49.765 ug/l
RT: 12.249 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:105 Resp: 833210

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5

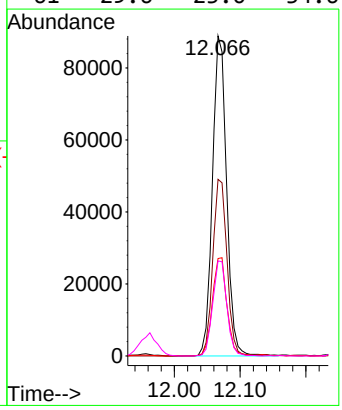


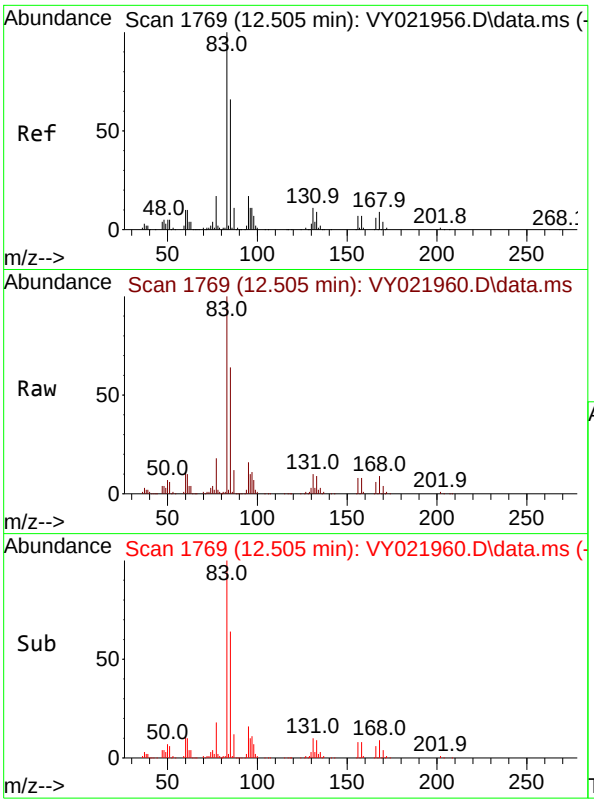


#74
N-amyl acetate
Concen: 46.264 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 43 Resp: 133081

Ion	Ratio	Lower	Upper
43	100		
70	55.2	43.2	64.8
55	31.6	25.7	38.5
61	29.6	23.0	34.6



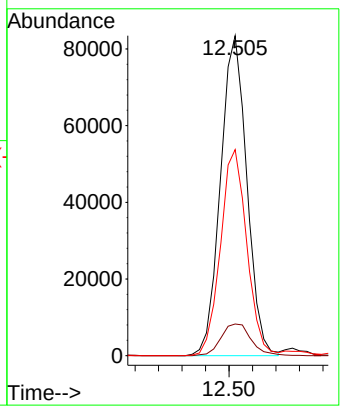


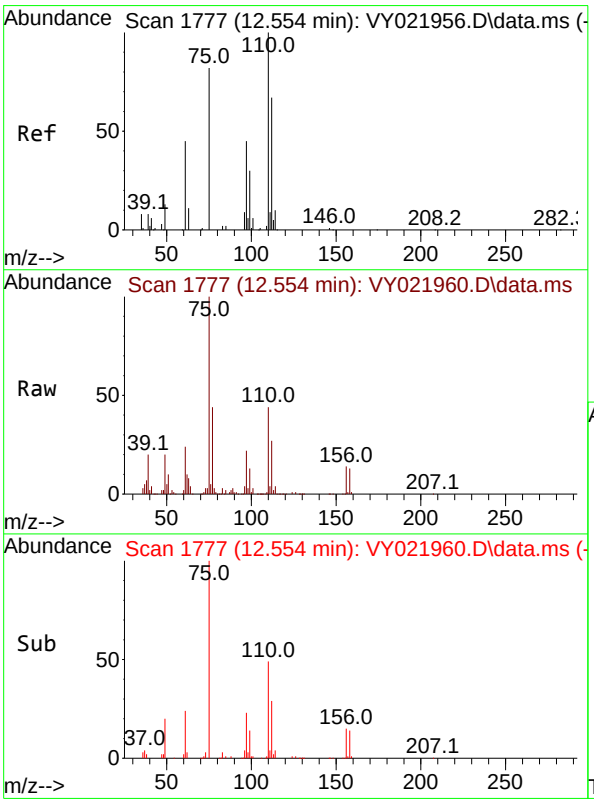
#75
1,1,2,2-Tetrachloroethane
Concen: 46.078 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 83 Resp: 130070

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	64.4	32.3	96.8

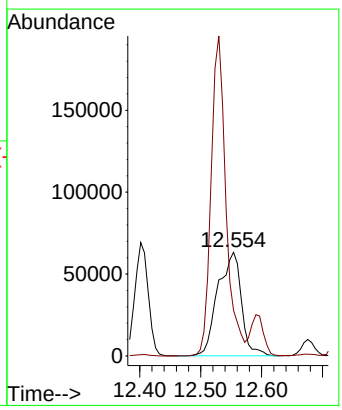


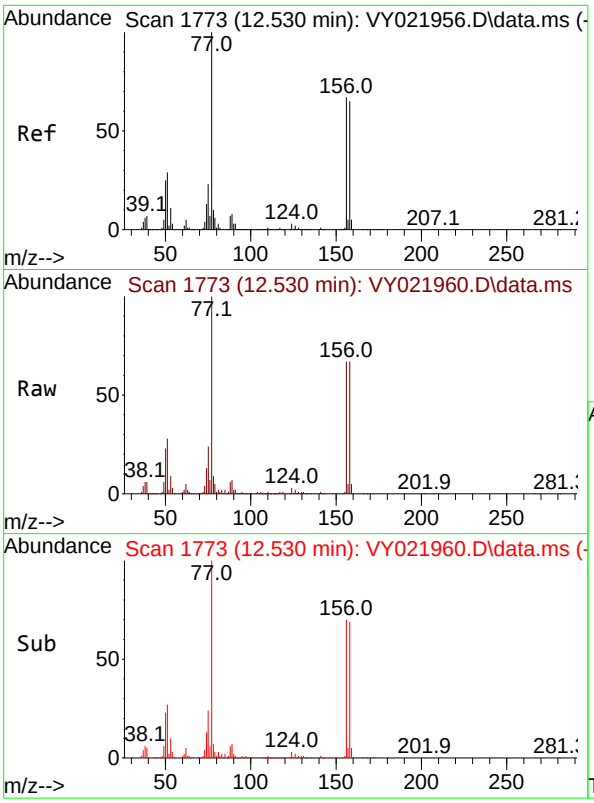


#76
1,2,3-Trichloropropane
Concen: 79.189 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 169982

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



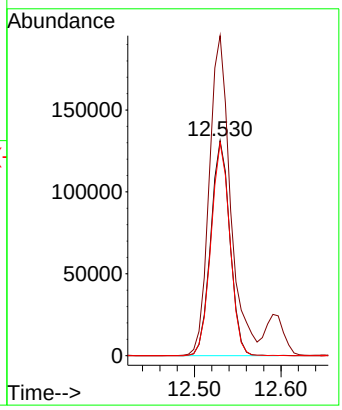


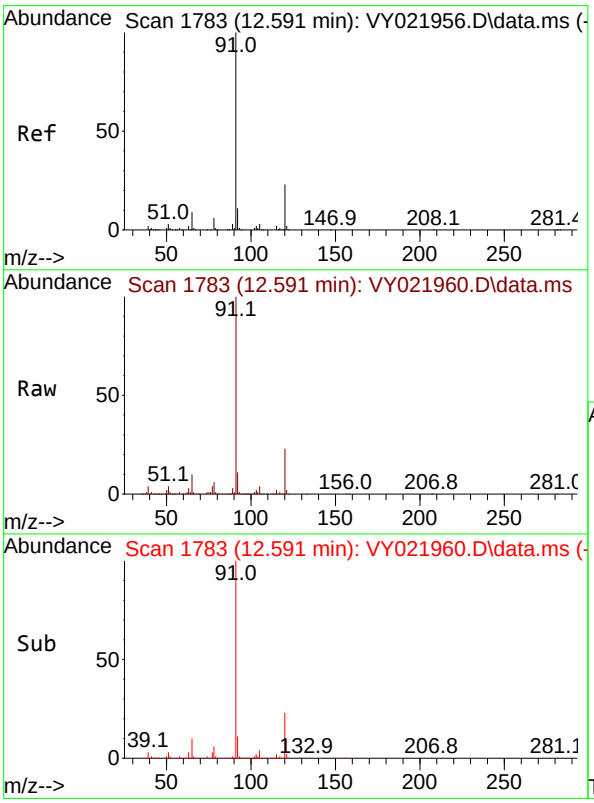
#77
Bromobenzene
Concen: 47.741 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:156 Resp: 201978

Ion	Ratio	Lower	Upper
156	100		
77	164.7	82.7	248.1
158	97.8	48.1	144.4

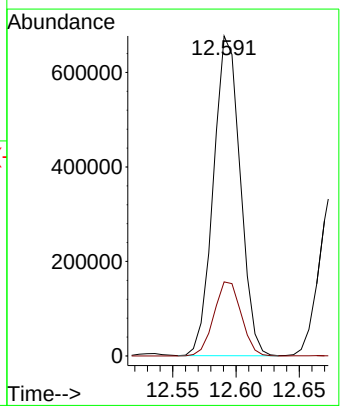


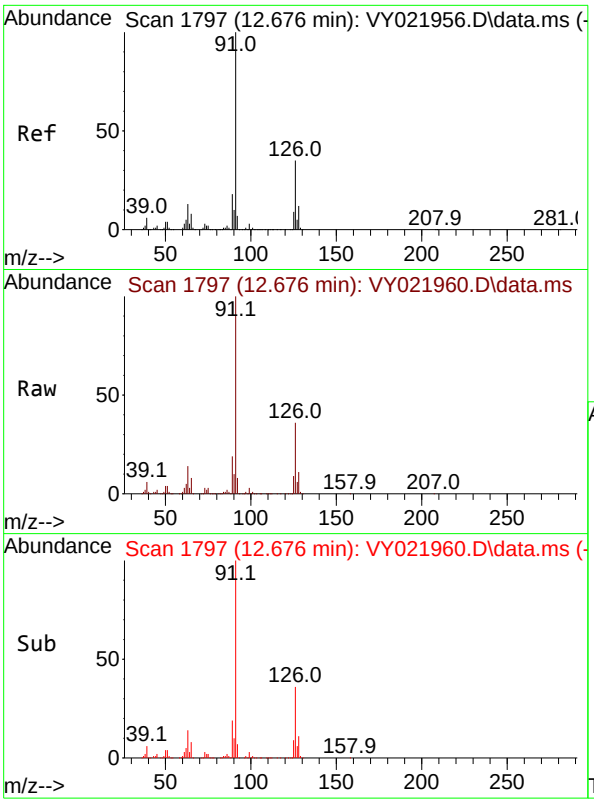


#78
n-propylbenzene
Concen: 49.907 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 91 Resp: 995089

Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5



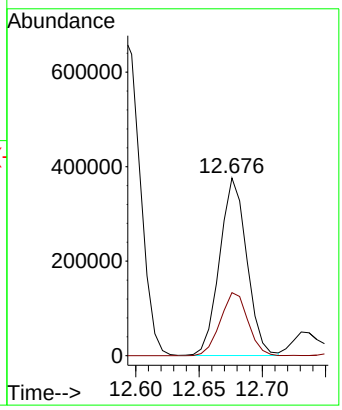


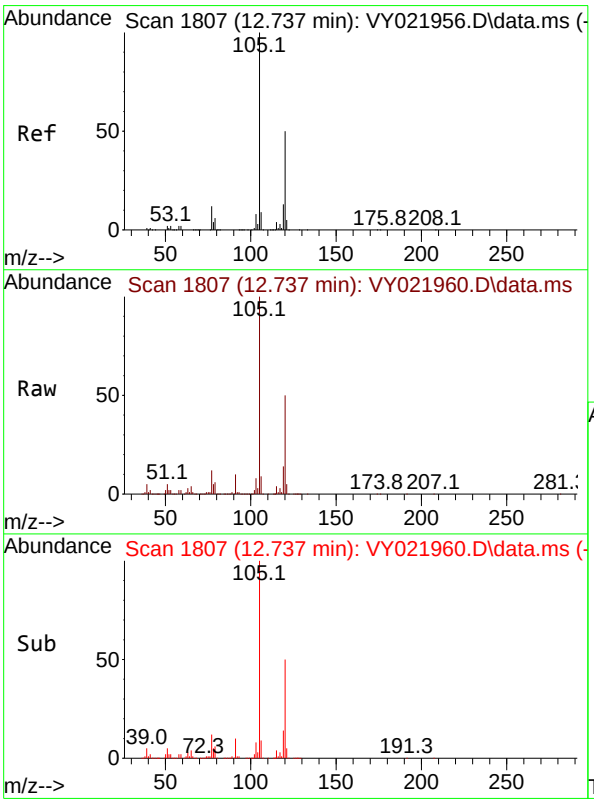
#79
2-Chlorotoluene
Concen: 48.351 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 91 Resp: 560663

Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.8

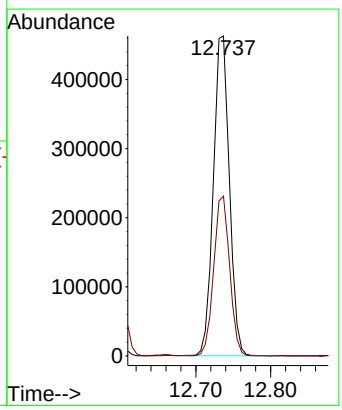


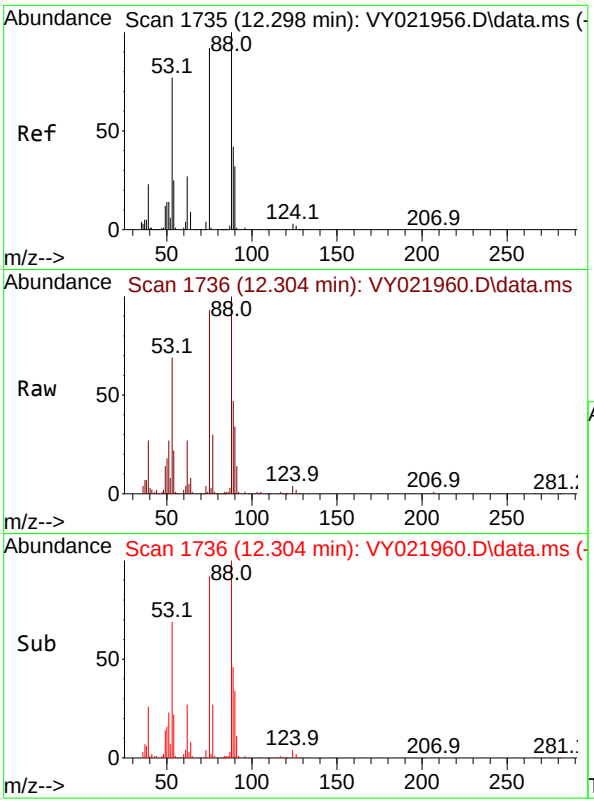


#80
1,3,5-Trimethylbenzene
Concen: 50.131 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:105 Resp: 691575

Ion	Ratio	Lower	Upper
105	100		
120	49.8	25.0	75.0



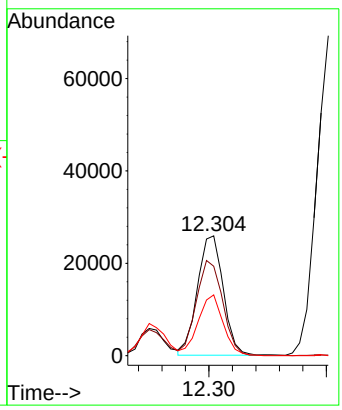


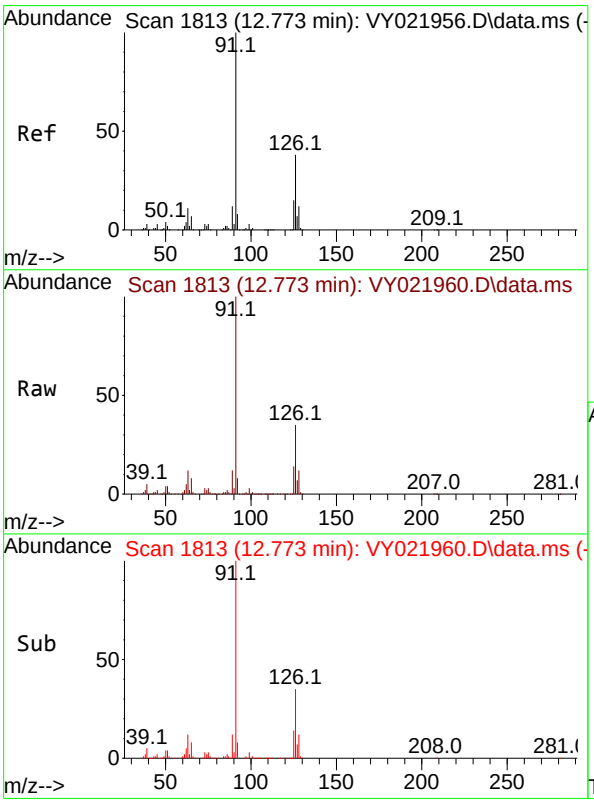
#81
trans-1,4-Dichloro-2-butene
Concen: 44.304 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 75 Resp: 39491

Ion	Ratio	Lower	Upper
75	100		
53	82.0	66.0	99.0
89	49.6	37.2	55.8

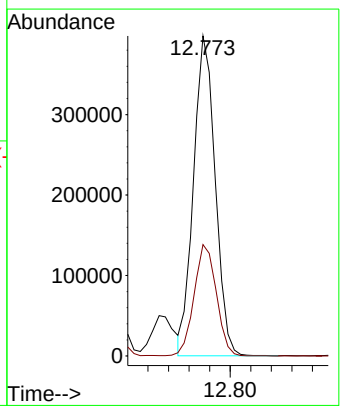


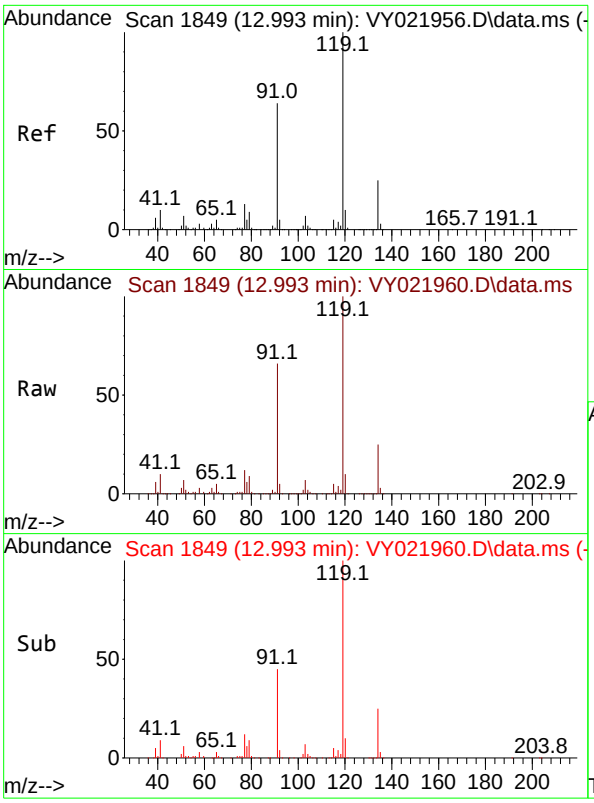


#82
4-Chlorotoluene
Concen: 48.406 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 91 Resp: 583487

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8



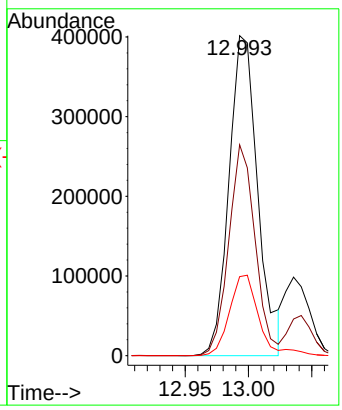


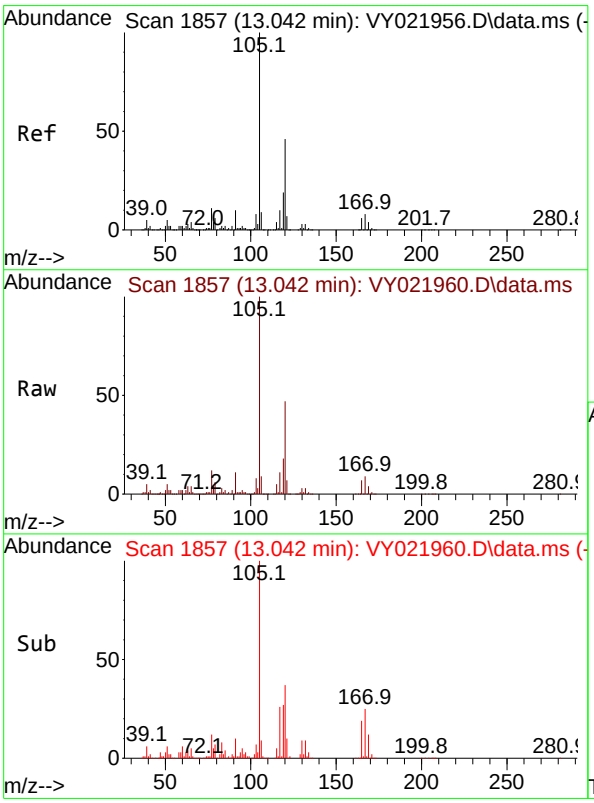
#83
tert-Butylbenzene
Concen: 51.499 ug/l
RT: 12.993 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:119 Resp: 637155

Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.3	90.9
134	25.7	12.9	38.7

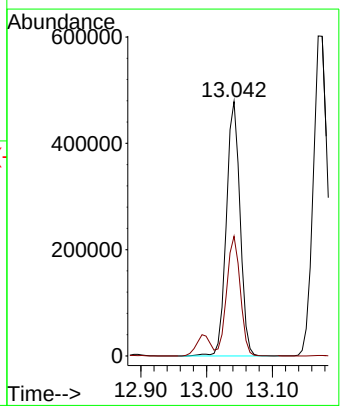


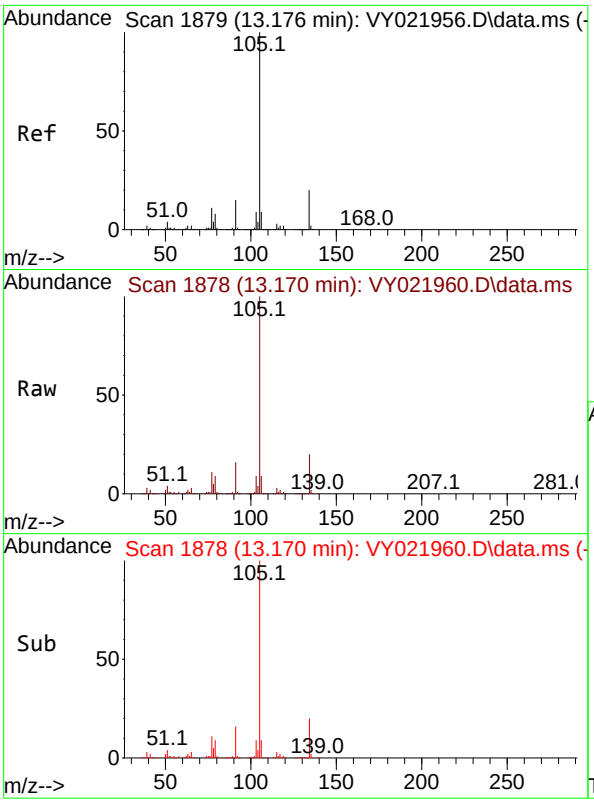


#84
1,2,4-Trimethylbenzene
Concen: 50.285 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:105 Resp: 693849

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0



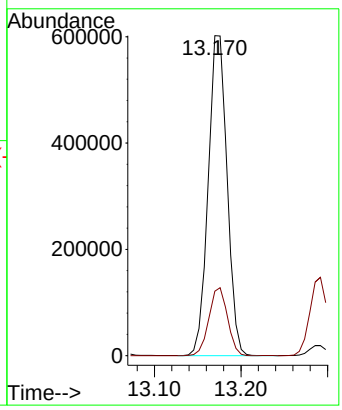


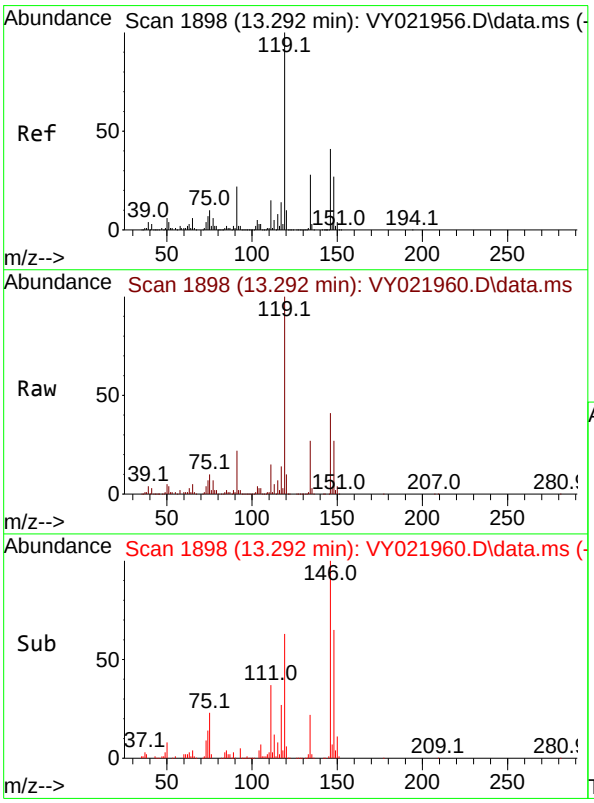
#85
sec-Butylbenzene
Concen: 50.397 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:105 Resp: 912398

Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

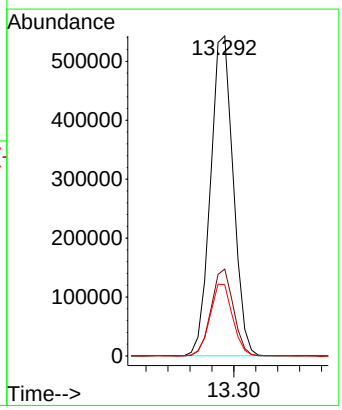


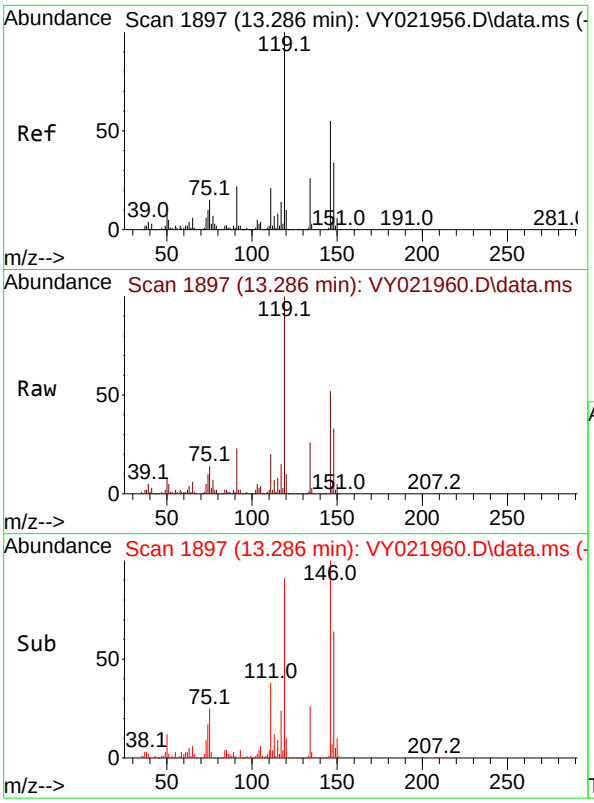


#86
p-Isopropyltoluene
Concen: 50.831 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:119 Resp: 781445

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	22.3	11.0	33.0



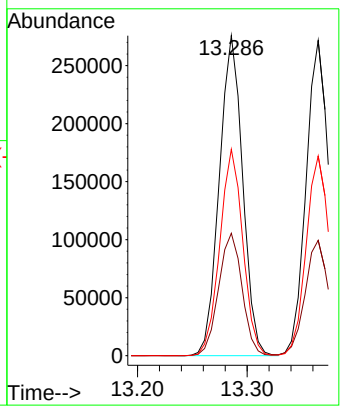


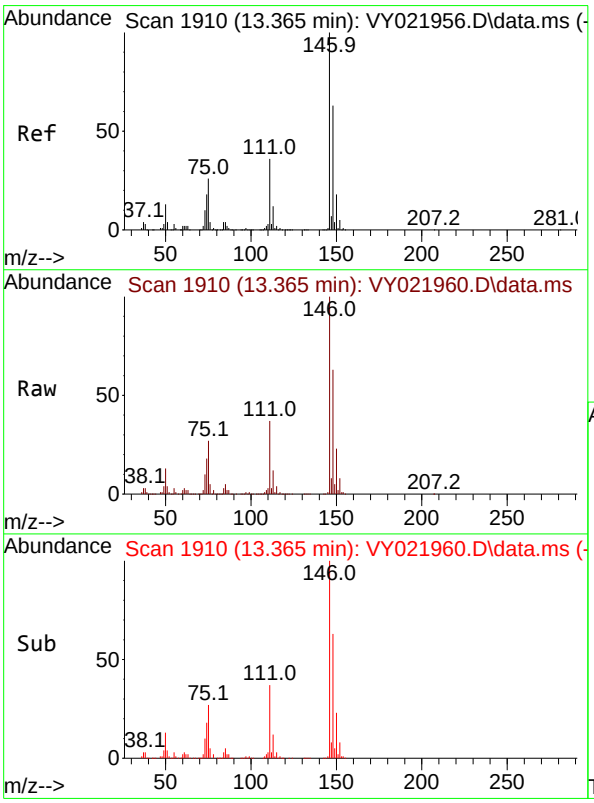
#87
1,3-Dichlorobenzene
Concen: 47.528 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:146 Resp: 408394

Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.8	32.0	96.2

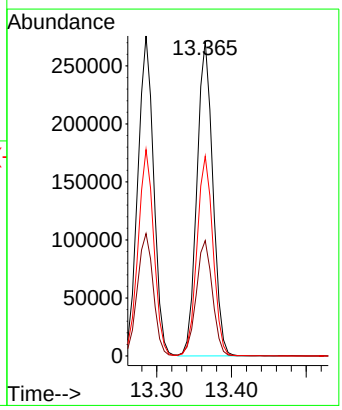


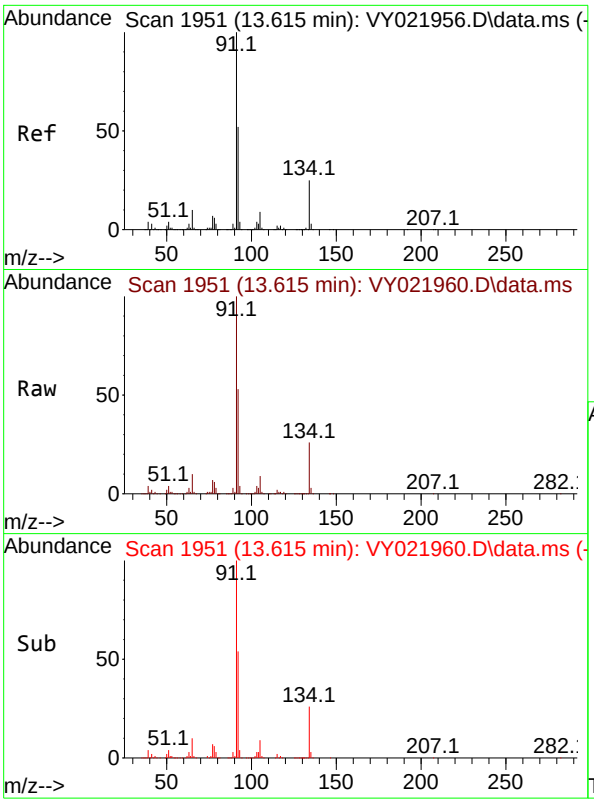


#88
1,4-Dichlorobenzene
Concen: 47.202 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:146 Resp: 401694

Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.2	57.6
148	63.8	32.0	96.0



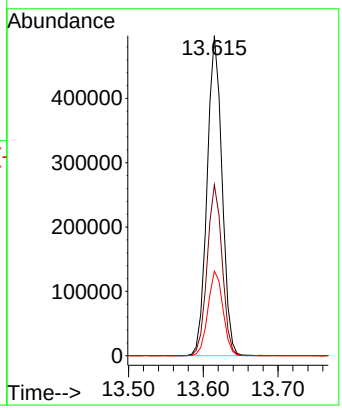


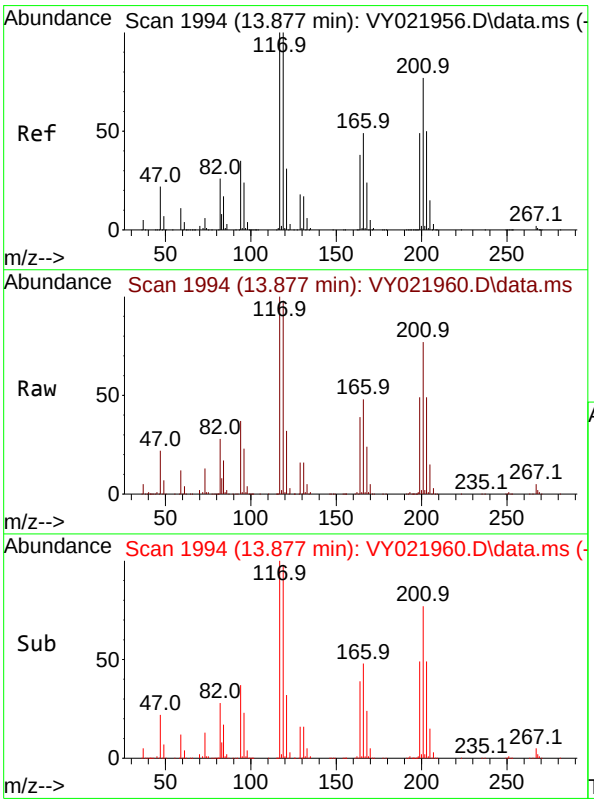
#89
n-Butylbenzene
Concen: 50.209 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion: 91 Resp: 689937

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.5
134	26.6	13.4	40.1

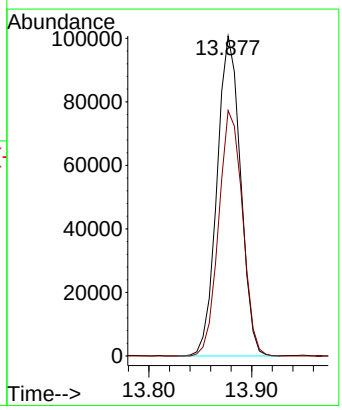


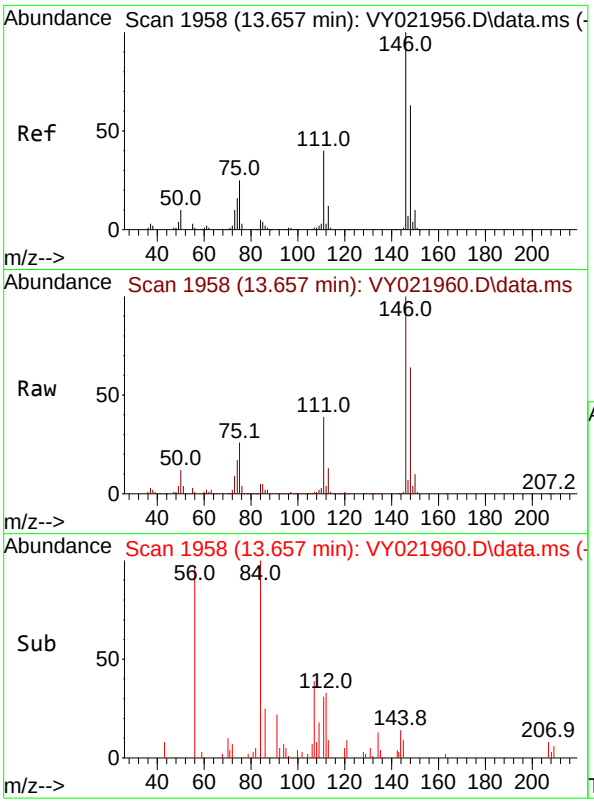


#90
Hexachloroethane
Concen: 47.410 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:117 Resp: 160136

Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.7	116.1



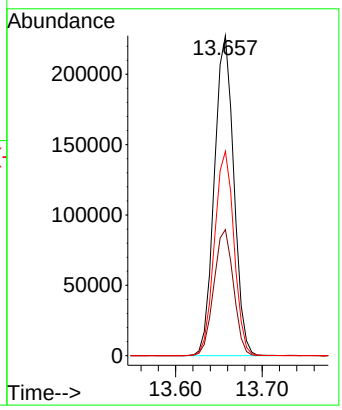


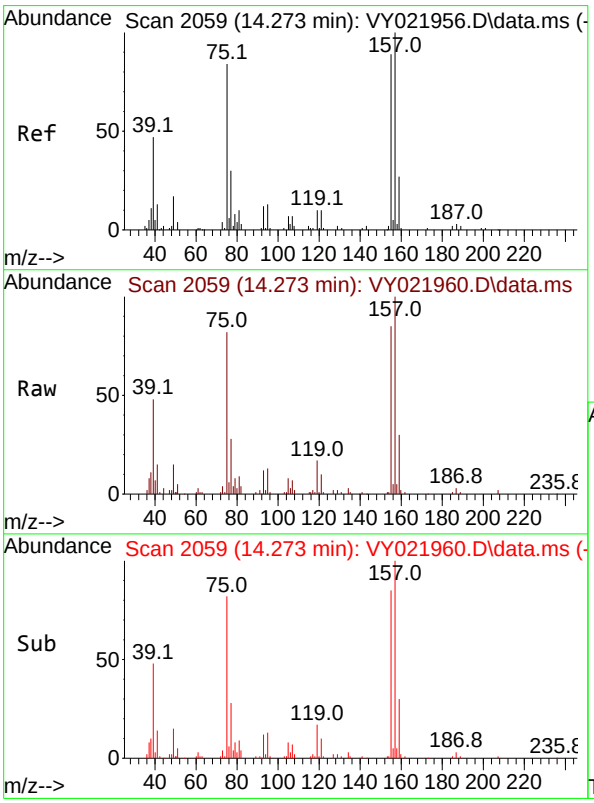
#91
1,2-Dichlorobenzene
Concen: 47.337 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:146 Resp: 354764

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.2	32.1	96.3

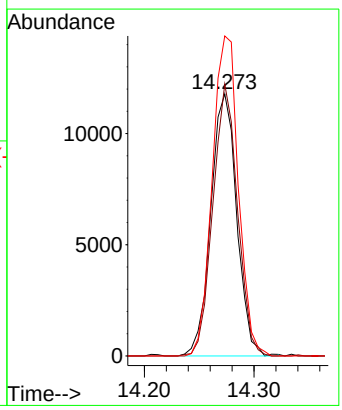


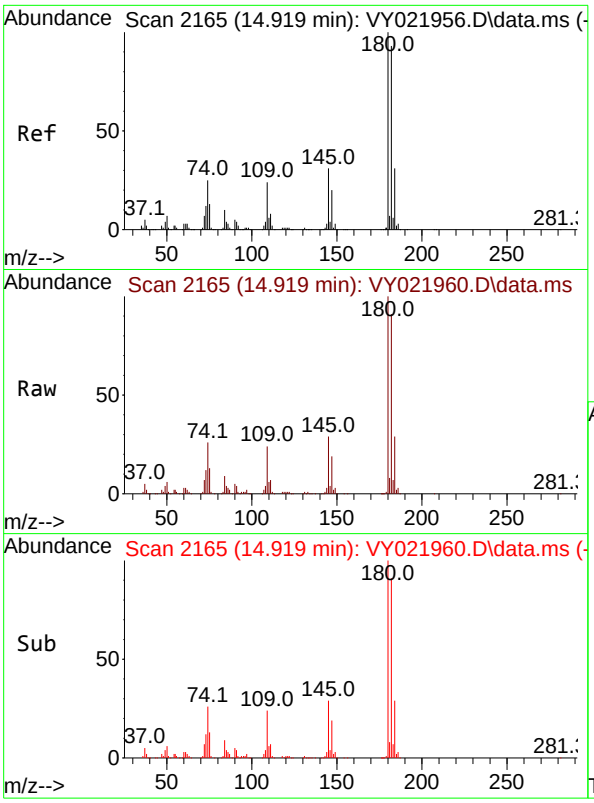


#92
1,2-Dibromo-3-Chloropropane
Concen: 43.151 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion: 75 Resp: 19379

Ion	Ratio	Lower	Upper
75	100		
155	98.3	50.7	152.3
157	122.9	62.6	187.8



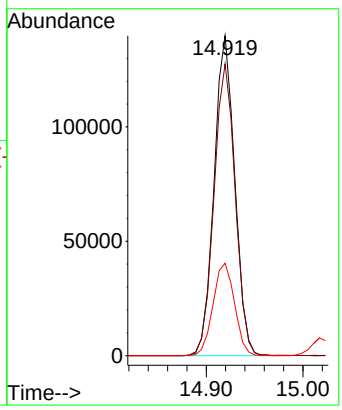


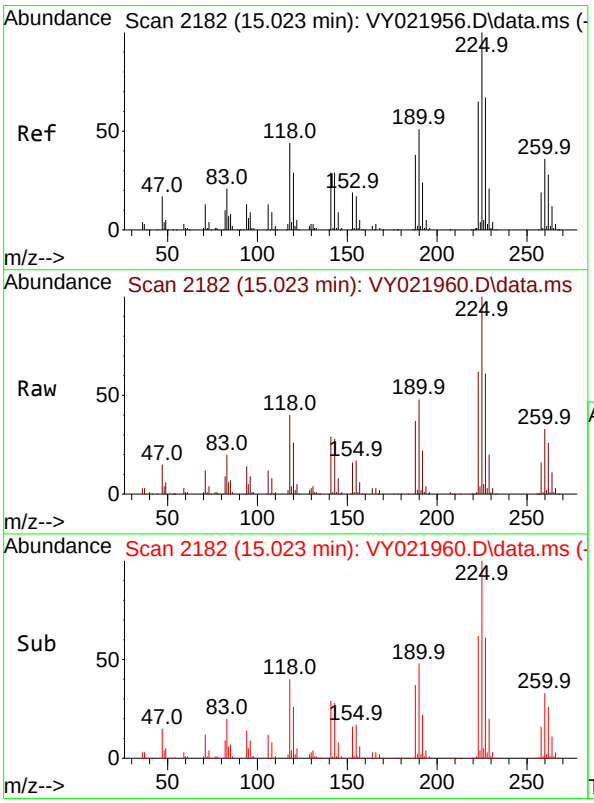
#93
1,2,4-Trichlorobenzene
Concen: 48.811 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:180 Resp: 207298

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.1	141.4
145	30.1	15.0	45.0

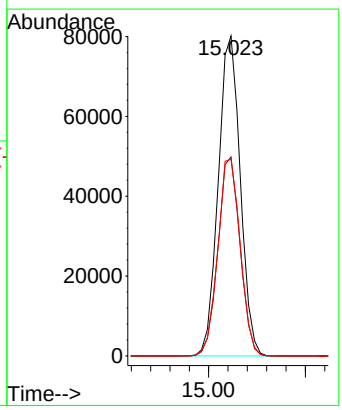


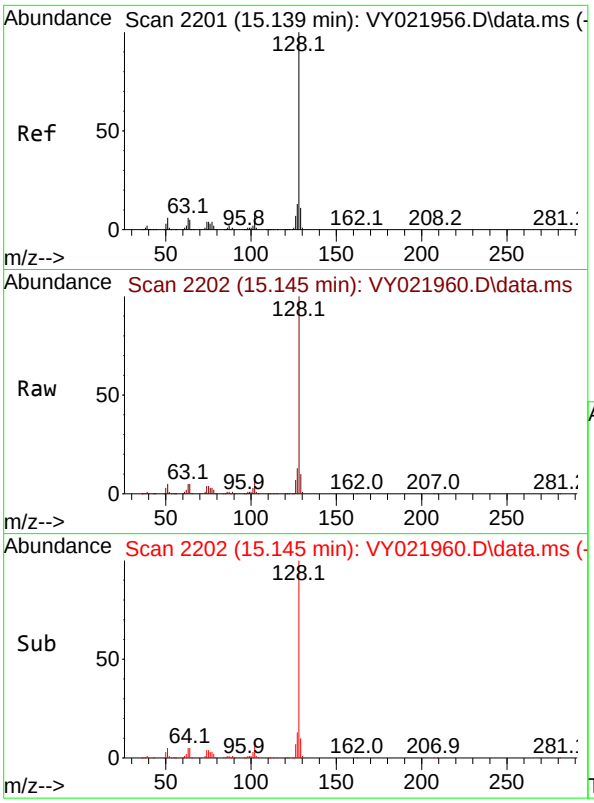


#94
Hexachlorobutadiene
Concen: 48.376 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:225 Resp: 126404

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	62.9	32.3	96.9



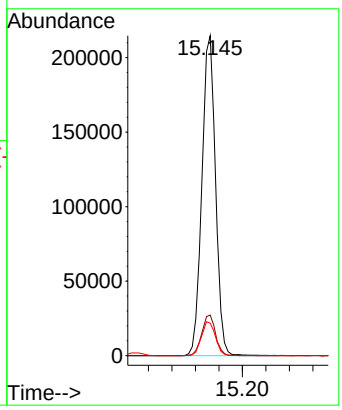


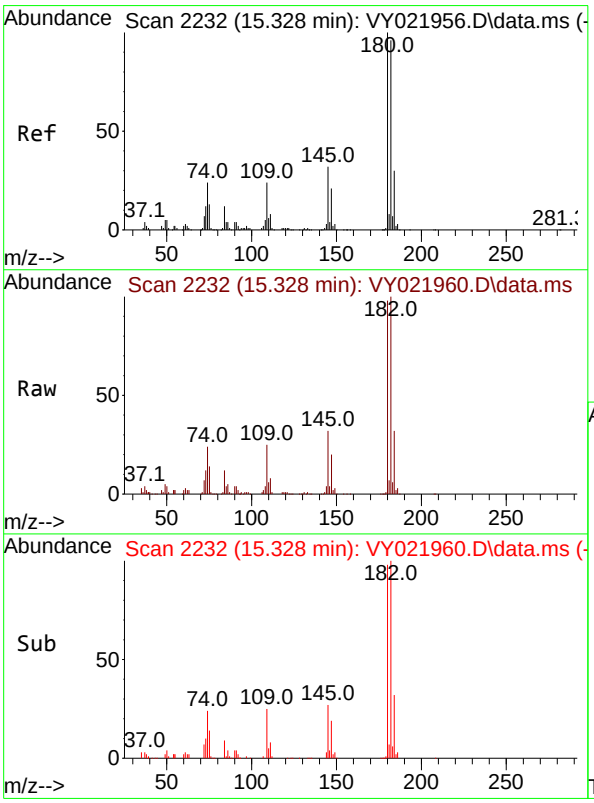
#95
Naphthalene
Concen: 48.975 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY042225

Tgt Ion:128 Resp: 345515

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.9	8.9	13.3

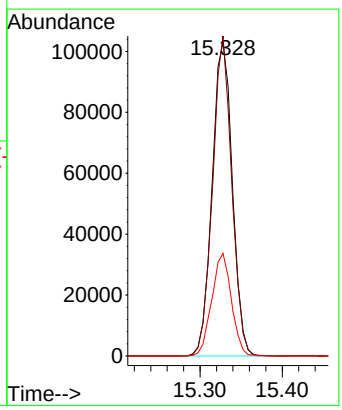




#96
1,2,3-Trichlorobenzene
Concen: 47.914 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY021960.D
Acq: 22 Apr 2025 17:01

Tgt Ion:180 Resp: 175651

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.4
145	31.8	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	330337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	453549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132828	43.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.060%			
35) Dibromofluoromethane	7.634	113	152279	47.486	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.980%			
50) Toluene-d8	10.109	98	583606	48.273	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.408	95	195893	48.133	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	122464	43.507	ug/l	99
3) Chloromethane	2.068	50	175705	43.839	ug/l	99
4) Vinyl Chloride	2.202	62	219850	44.638	ug/l	99
5) Bromomethane	2.598	94	169641	39.979	ug/l	95
6) Chloroethane	2.732	64	141865	42.293	ug/l	98
7) Trichlorofluoromethane	3.056	101	282628	43.517	ug/l	97
8) Diethyl Ether	3.452	74	71445	42.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	153834	43.664	ug/l	99
10) Methyl Iodide	4.001	142	189693	46.504	ug/l	100
11) Tert butyl alcohol	4.872	59	37456	223.602	ug/l	99
12) 1,1-Dichloroethene	3.787	96	145943	44.442	ug/l	98
13) Acrolein	3.653	56	70343	233.968	ug/l	98
14) Allyl chloride	4.385	41	165590	43.306	ug/l	99
15) Acrylonitrile	5.061	53	138019	223.027	ug/l	99
16) Acetone	3.873	43	107650	271.364	ug/l	93
17) Carbon Disulfide	4.104	76	451363	43.107	ug/l	99
18) Methyl Acetate	4.391	43	68974	48.392	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	333065	45.315	ug/l	97
20) Methylene Chloride	4.616	84	154498	40.043	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	161542	43.924	ug/l	98
22) Diisopropyl ether	6.019	45	382029	44.895	ug/l	99
23) Vinyl Acetate	5.958	43	1039804	226.736	ug/l	99
24) 1,1-Dichloroethane	5.915	63	256272	43.448	ug/l	99
25) 2-Butanone	6.896	43	161708	232.499	ug/l	99
26) 2,2-Dichloropropane	6.884	77	234207	45.304	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184250	44.805	ug/l	99
28) Bromochloromethane	7.244	49	106431	46.456	ug/l	97
29) Tetrahydrofuran	7.262	42	104861	232.133	ug/l	97
30) Chloroform	7.421	83	289823	44.298	ug/l	99
31) Cyclohexane	7.701	56	218435	43.306	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	260780	44.057	ug/l	99
36) 1,1-Dichloropropene	7.835	75	200053	46.442	ug/l	99
37) Ethyl Acetate	6.988	43	73636	47.597	ug/l	99
38) Carbon Tetrachloride	7.817	117	247130	48.012	ug/l	97
39) Methylcyclohexane	9.109	83	256540	47.325	ug/l	97
40) Benzene	8.079	78	631609	46.906	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	35008	41.395	ug/l	#	84
42) 1,2-Dichloroethane	8.158	62	154947	46.477	ug/l		99
43) Isopropyl Acetate	8.195	43	137822	46.389	ug/l	#	85
44) Trichloroethene	8.866	130	174874	46.887	ug/l		98
45) 1,2-Dichloropropane	9.140	63	139252	46.764	ug/l		99
46) Dibromomethane	9.231	93	87764	47.082	ug/l		99
47) Bromodichloromethane	9.426	83	221624	47.592	ug/l		99
48) Methyl methacrylate	9.219	41	67675	49.274	ug/l		98
49) 1,4-Dioxane	9.231	88	19815	997.336	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	390782	250.912	ug/l		100
52) Toluene	10.170	92	422459	48.468	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	190842	47.779	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	224035	47.184	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	119964	48.179	ug/l		97
56) Ethyl methacrylate	10.438	69	142098	49.904	ug/l		99
57) 1,3-Dichloropropane	10.719	76	191688	48.021	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	367778	264.171	ug/l		99
59) 2-Hexanone	10.762	43	264521	257.500	ug/l		100
60) Dibromochloromethane	10.914	129	169164	49.071	ug/l		100
61) 1,2-Dibromoethane	11.018	107	114653	48.774	ug/l		99
64) Tetrachloroethene	10.646	164	203863	47.647	ug/l		97
65) Chlorobenzene	11.444	112	468931	46.234	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	166562	46.647	ug/l		99
67) Ethyl Benzene	11.524	91	791052	47.678	ug/l		100
68) m/p-Xylenes	11.627	106	645425	97.760	ug/l		99
69) o-Xylene	11.956	106	294487	48.395	ug/l		98
70) Styrene	11.969	104	503254	49.256	ug/l		99
71) Bromoform	12.133	173	101395	48.842	ug/l	#	99
73) Isopropylbenzene	12.255	105	775025	47.173	ug/l		99
74) N-amyl acetate	12.072	43	128926	45.674	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	127155	45.905	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	167644	79.590	ug/l	#	100
77) Bromobenzene	12.536	156	195202	47.020	ug/l		98
78) n-propylbenzene	12.597	91	925377	47.296	ug/l		100
79) 2-Chlorotoluene	12.682	91	525989	46.226	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	647472	47.830	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	40197	45.956	ug/l		99
82) 4-Chlorotoluene	12.779	91	555774	46.986	ug/l		100
83) tert-Butylbenzene	12.999	119	573871	47.269	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	648390	47.887	ug/l		99
85) sec-Butylbenzene	13.176	105	843779	47.496	ug/l		100
86) p-Isopropyltoluene	13.292	119	728842	48.314	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	390607	46.325	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	386869	46.327	ug/l		98
89) n-Butylbenzene	13.621	91	630349	46.748	ug/l		99
90) Hexachloroethane	13.883	117	150746	45.482	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	338387	46.013	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19628	44.539	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	197372	47.361	ug/l		99
94) Hexachlorobutadiene	15.023	225	118961	46.396	ug/l		99
95) Naphthalene	15.145	128	337462	48.746	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	172242	47.880	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

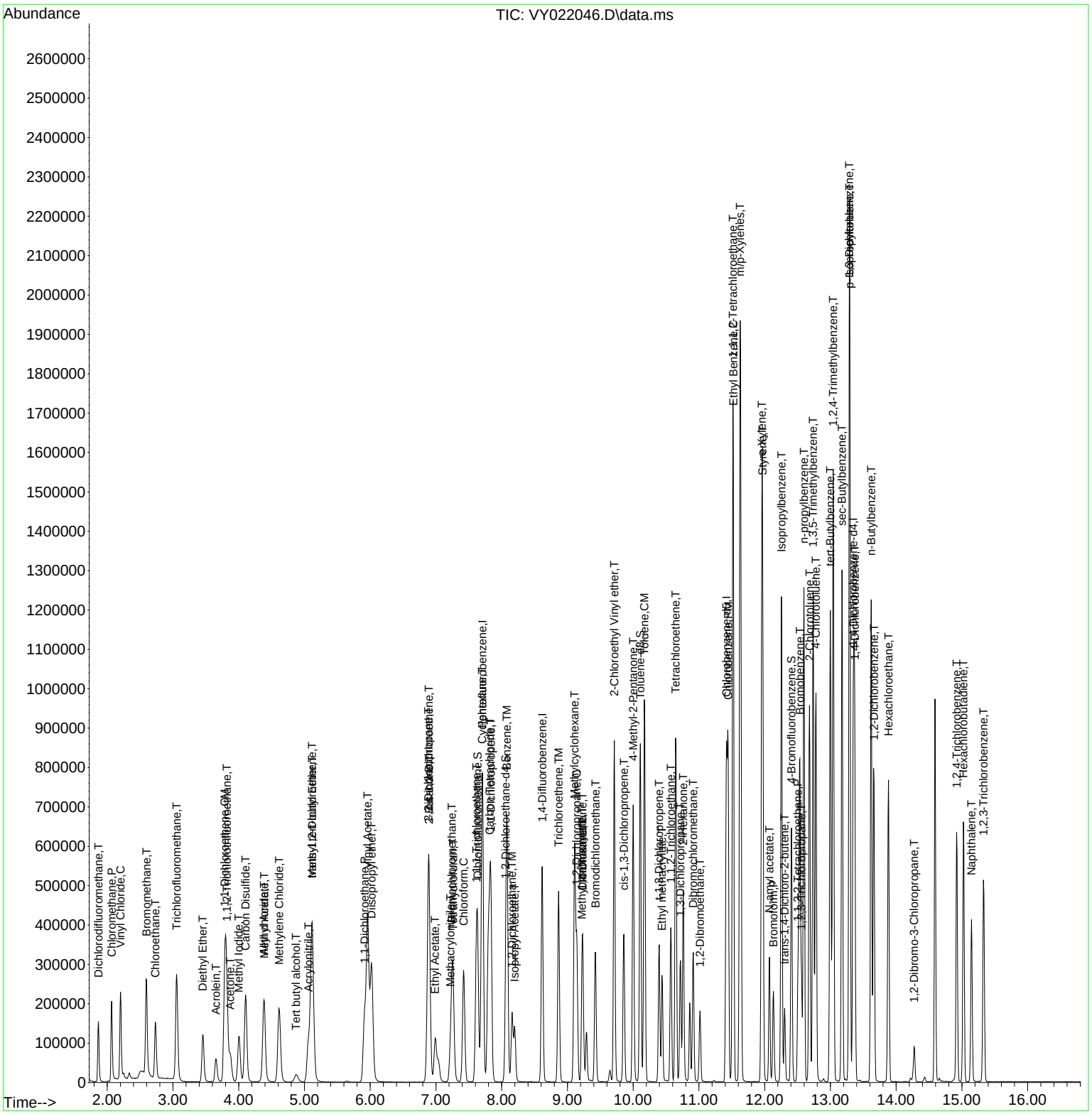
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

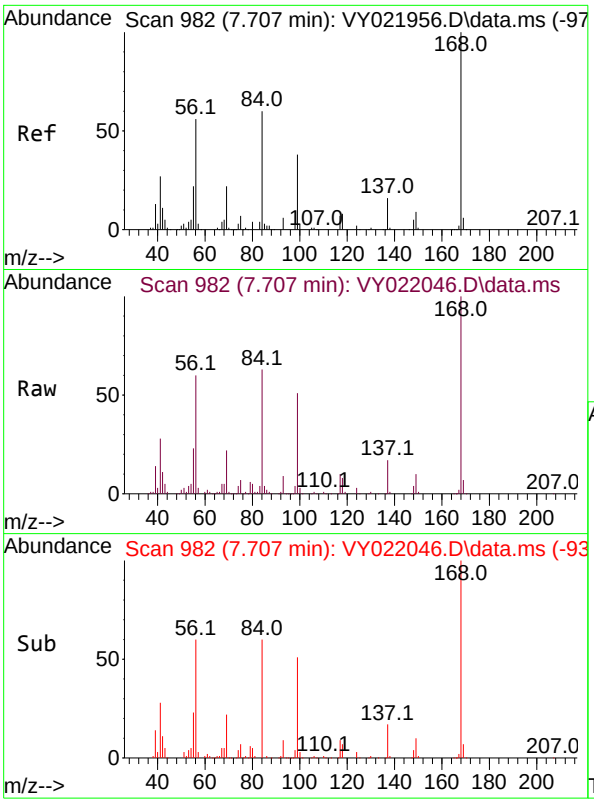
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022046.D
Acq On : 29 Apr 2025 09:28
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Apr 30 01:32:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



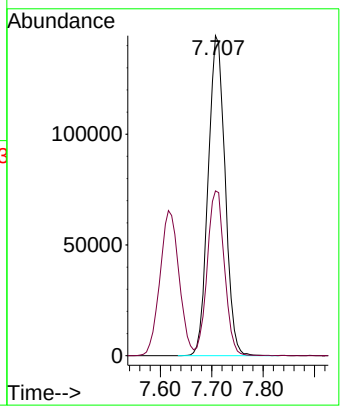


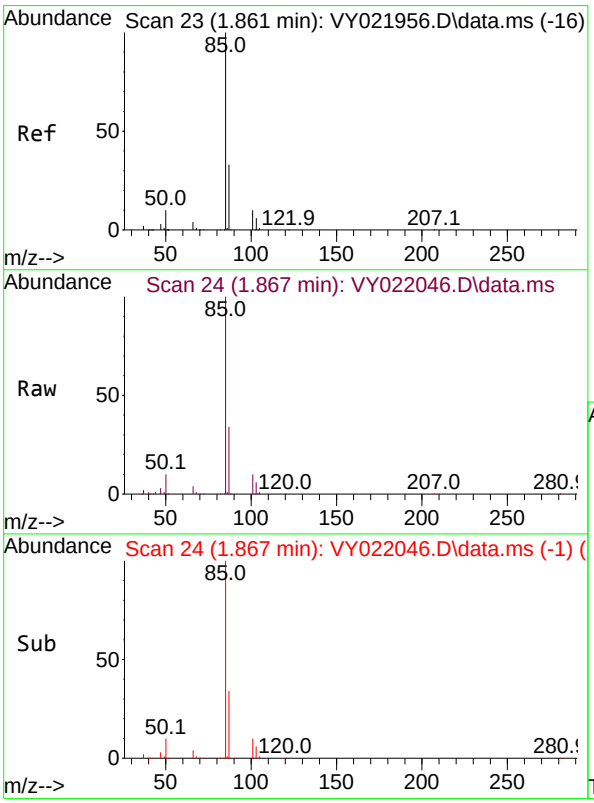
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 330337

Ion	Ratio	Lower	Upper
168	100		
99	51.4	43.1	64.7

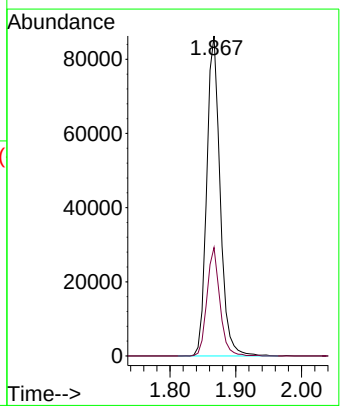


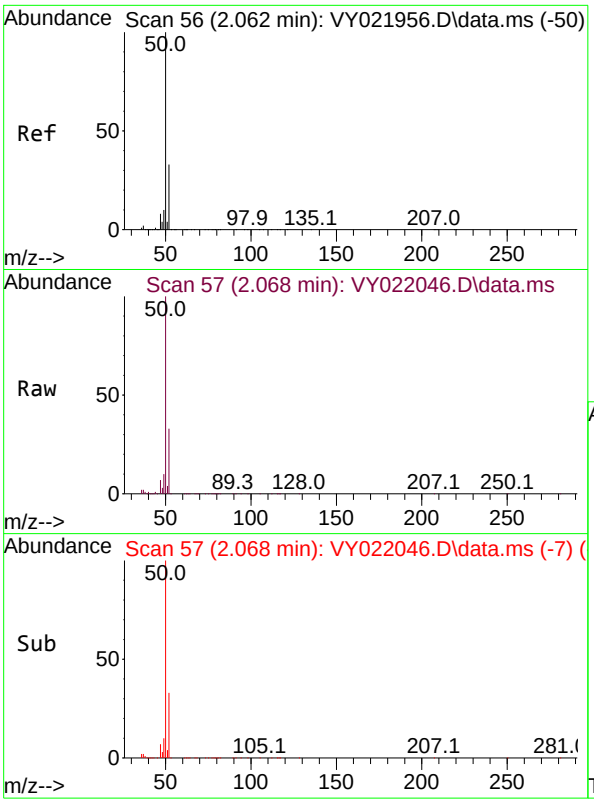


#2
Dichlorodifluoromethane
Concen: 43.507 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 85 Resp: 122464

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.7



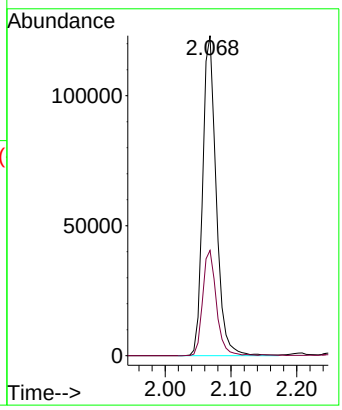


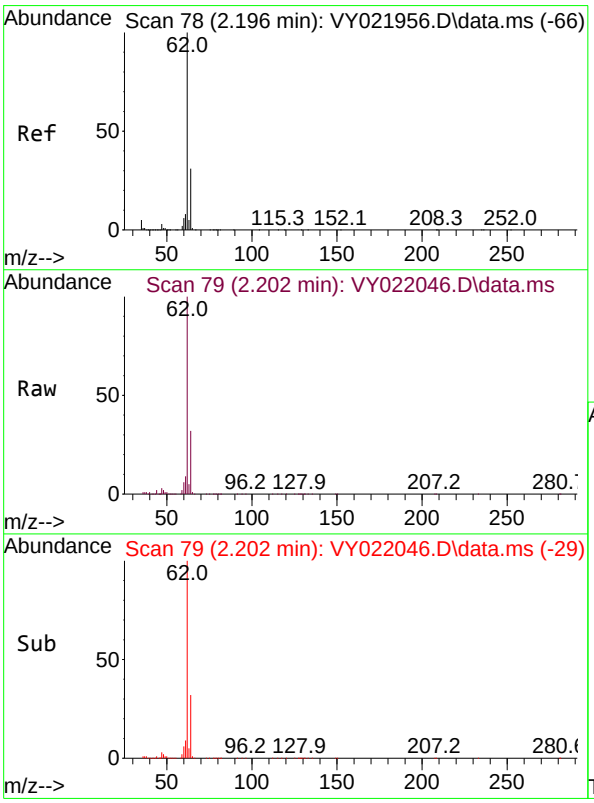
#3
Chloromethane
Concen: 43.839 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 175705

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

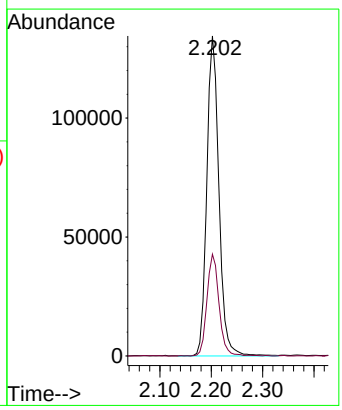


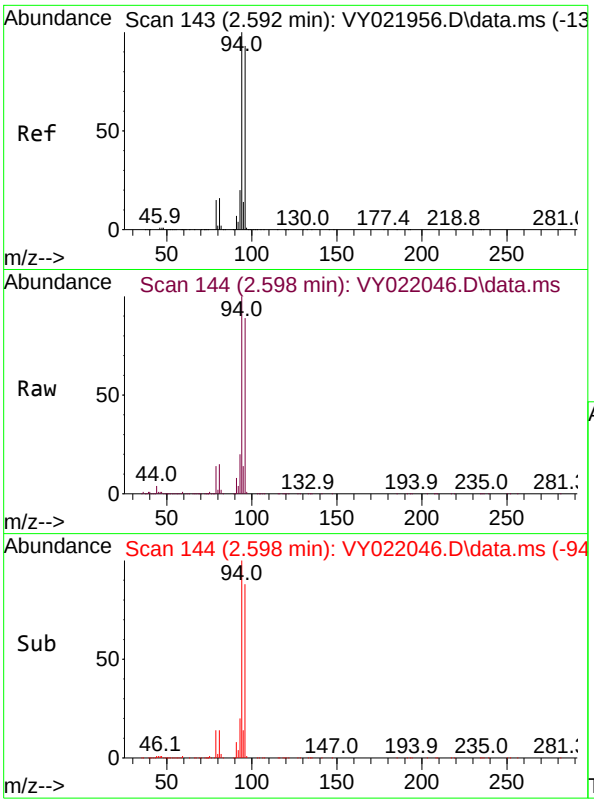


#4
Vinyl Chloride
Concen: 44.638 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 62 Resp: 219850

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.1	37.7



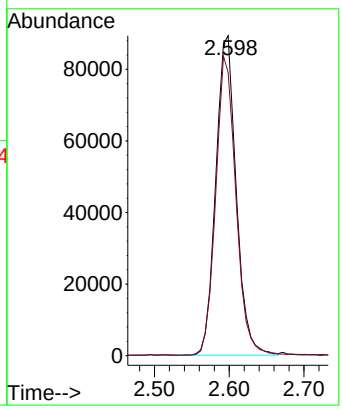


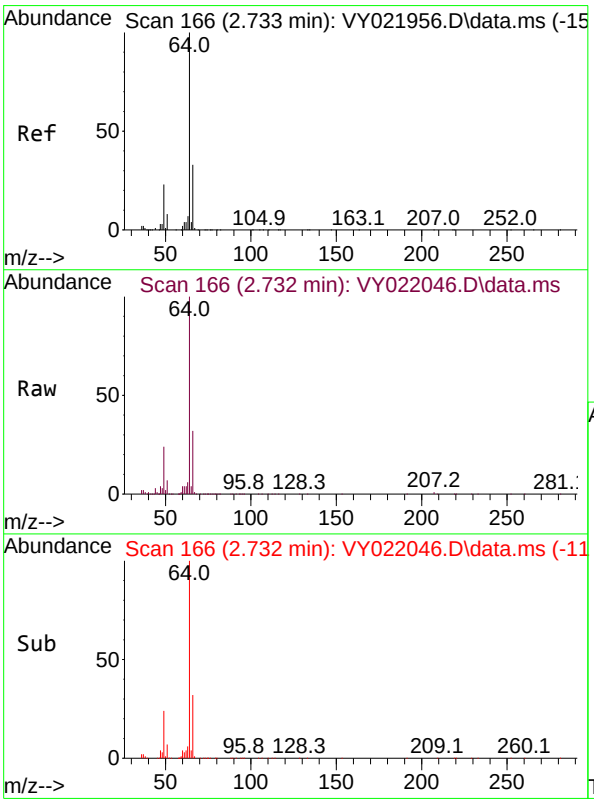
#5
Bromomethane
Concen: 39.979 ug/l
RT: 2.598 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 169641

Ion	Ratio	Lower	Upper
94	100		
96	88.5	74.6	111.8

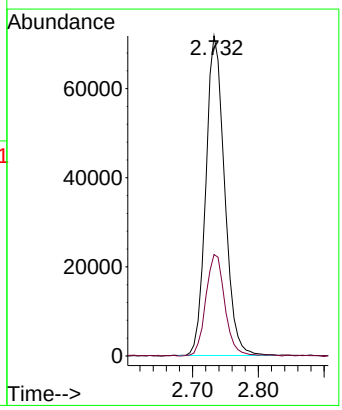


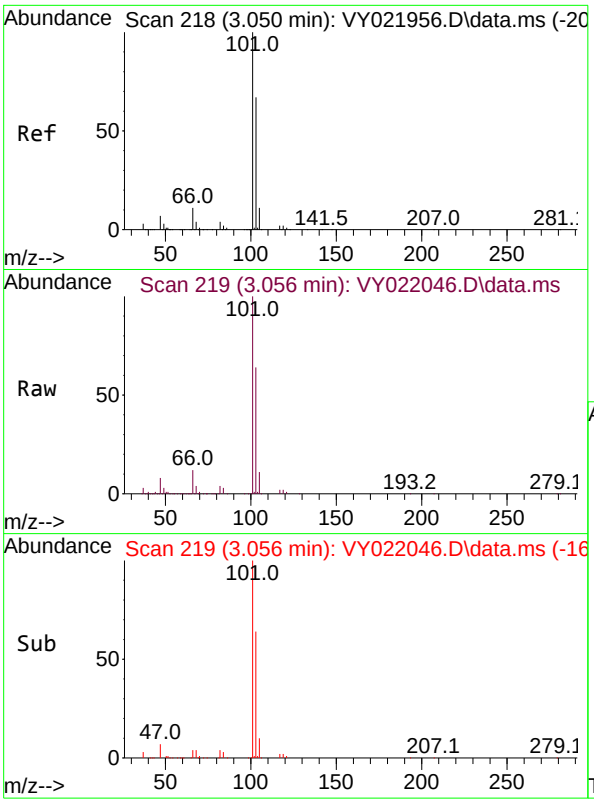


#6
Chloroethane
Concen: 42.293 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 64 Resp: 141865

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.2	39.4



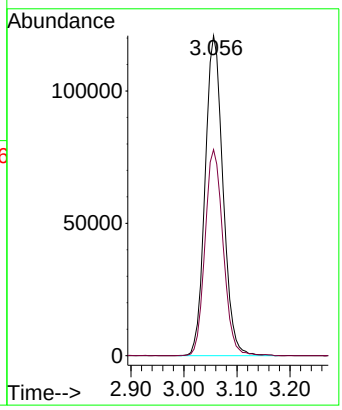


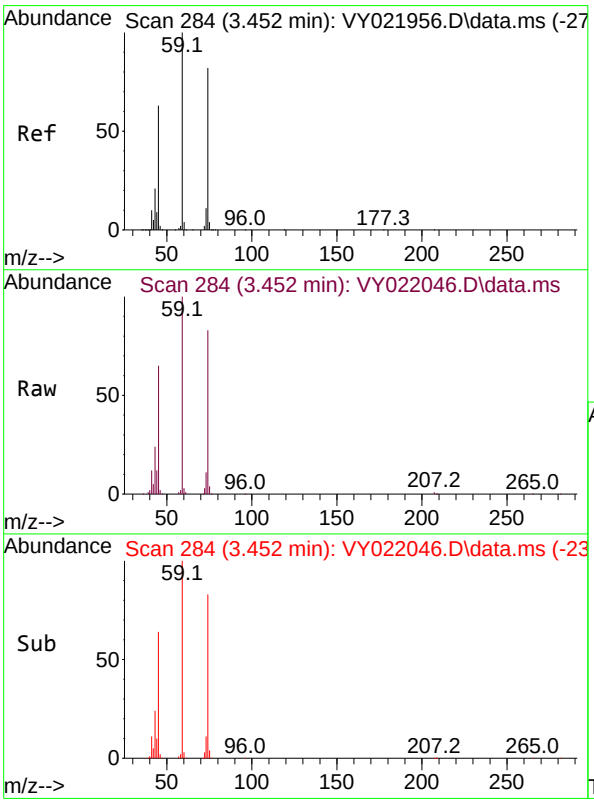
#7
Trichlorofluoromethane
Concen: 43.517 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 282628

Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.6	80.4

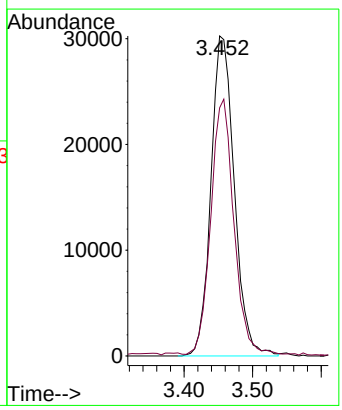


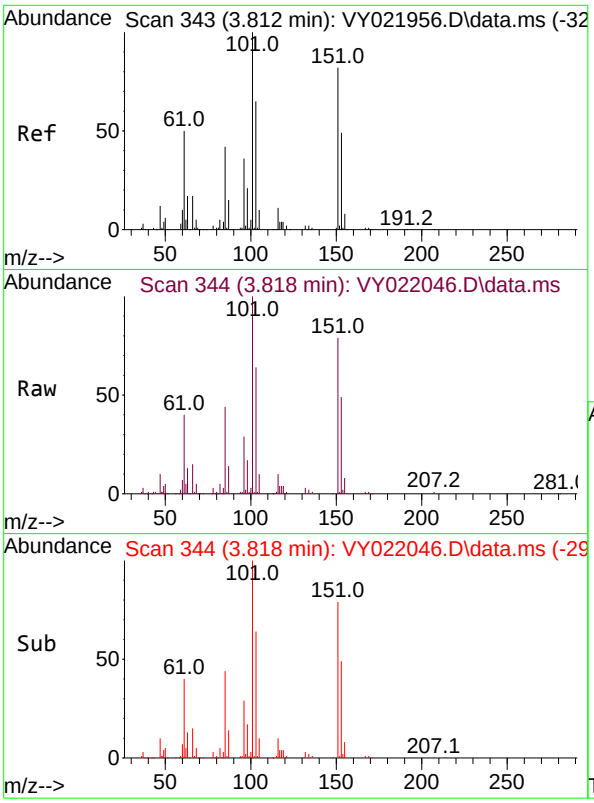


#8
Diethyl Ether
Concen: 42.265 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 74 Resp: 71445

Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.1	117.5



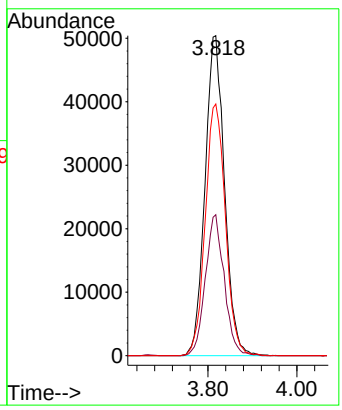


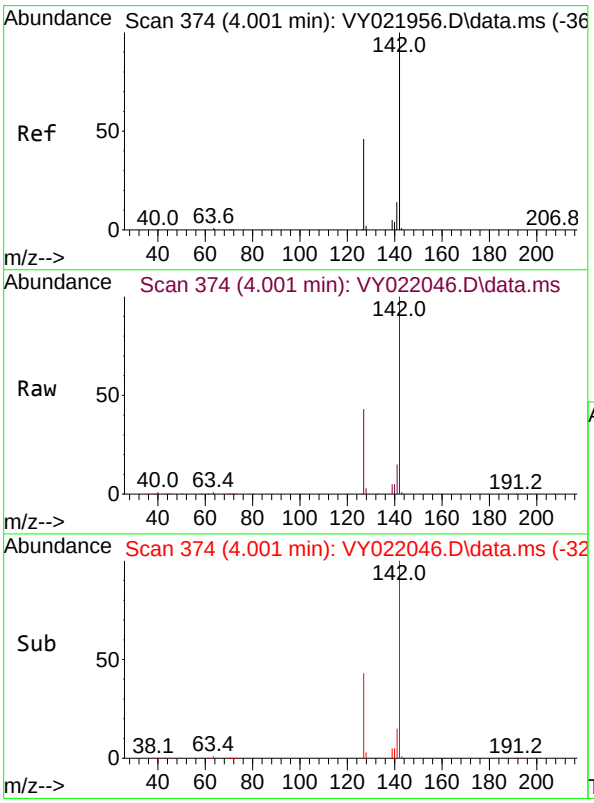
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.664 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 153834

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.6	51.8
151	81.2	63.7	95.5

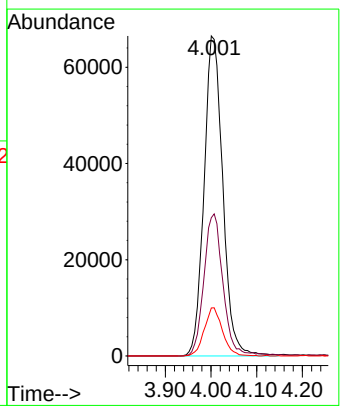


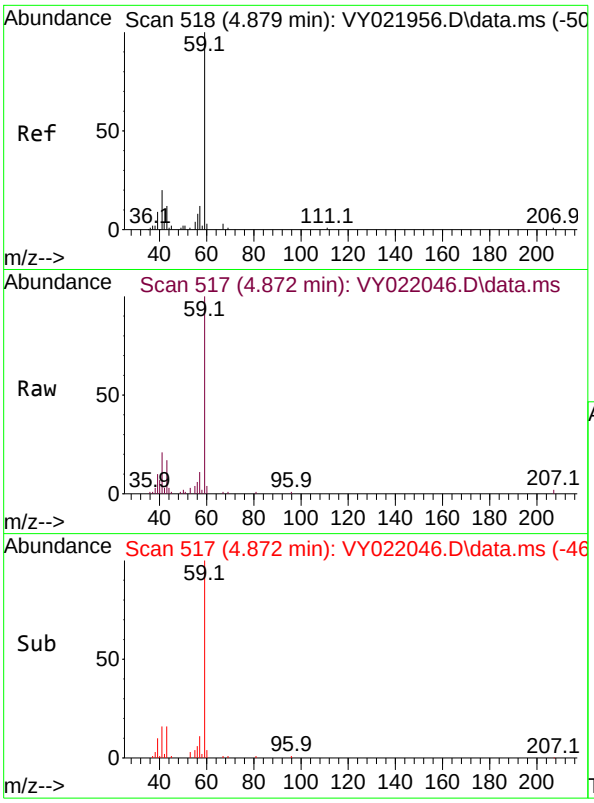


#10
Methyl Iodide
Concen: 46.504 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:142 Resp: 189693

Ion	Ratio	Lower	Upper
142	100		
127	45.2	36.2	54.2
141	14.6	11.7	17.5



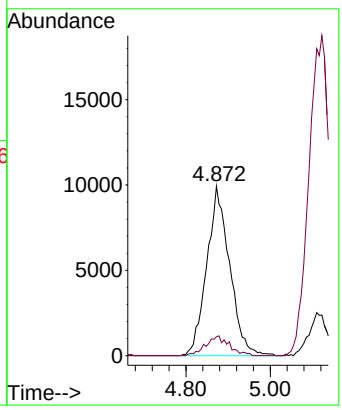


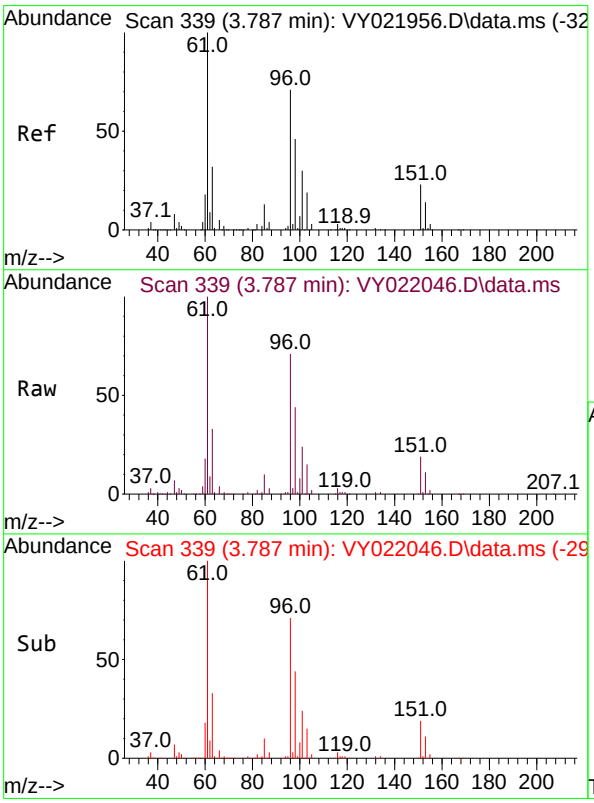
#11
Tert butyl alcohol
Concen: 223.602 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 37456

Ion	Ratio	Lower	Upper
59	100		
57	12.0	9.3	13.9

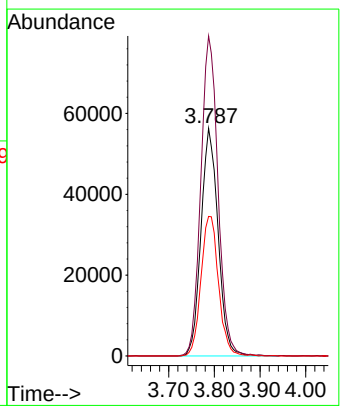


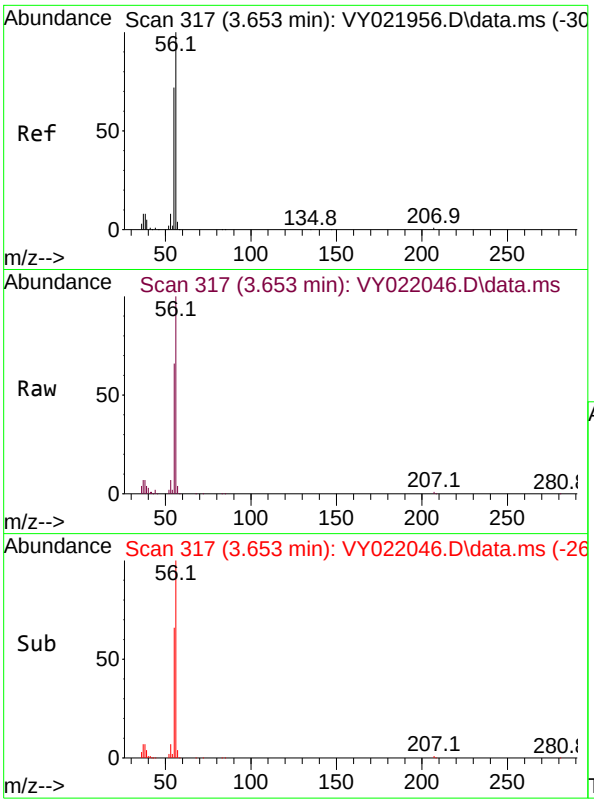


#12
1,1-Dichloroethene
Concen: 44.442 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 96 Resp: 145943

Ion	Ratio	Lower	Upper
96	100		
61	140.5	113.0	169.4
98	61.2	51.4	77.2



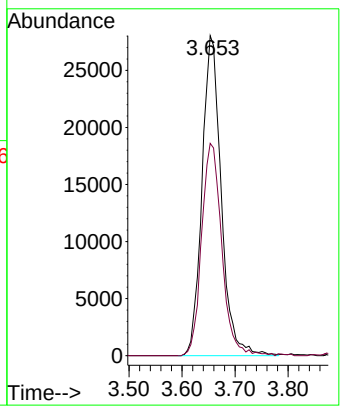


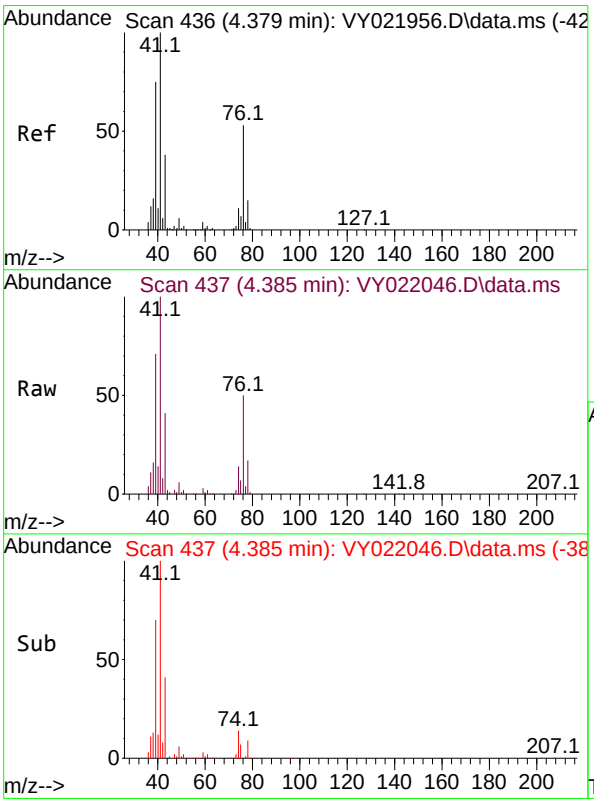
#13
Acrolein
Concen: 233.968 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 70343

Ion	Ratio	Lower	Upper
56	100		
55	69.9	57.4	86.0

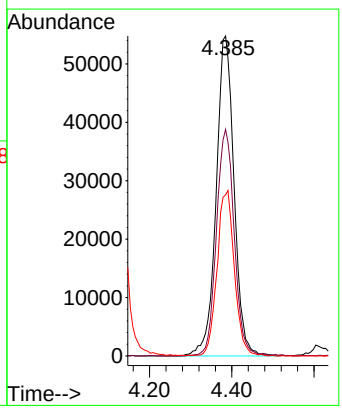


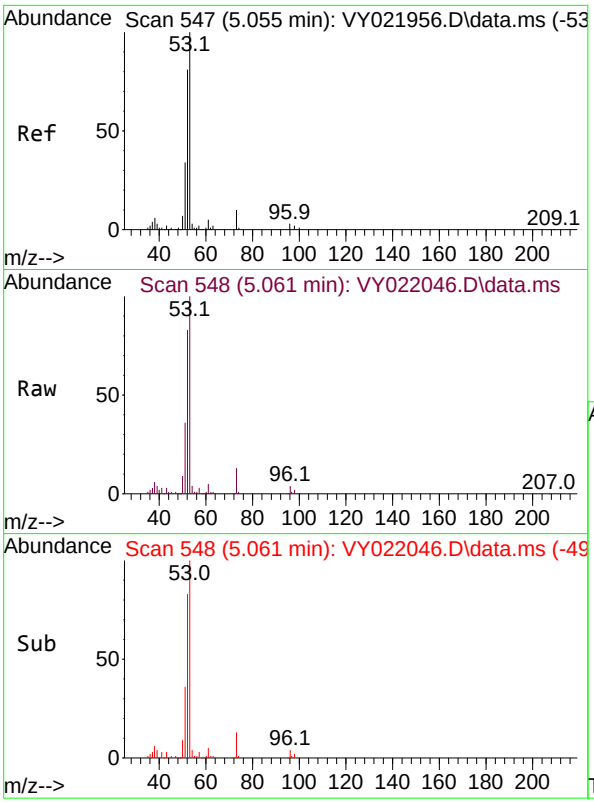


#14
Allyl chloride
Concen: 43.306 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 41 Resp: 165590

Ion	Ratio	Lower	Upper
41	100		
39	70.4	57.2	85.8
76	50.2	39.7	59.5



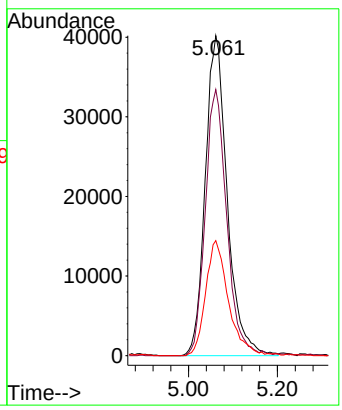


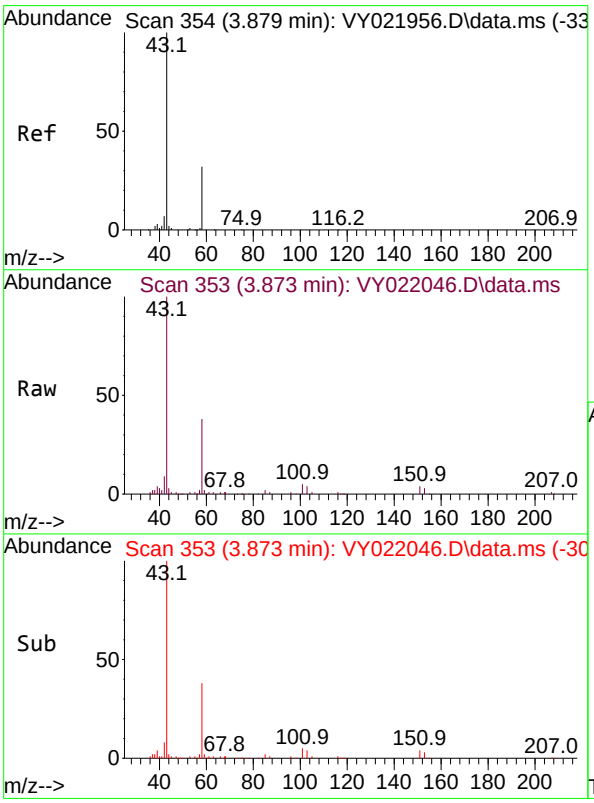
#15
Acrylonitrile
Concen: 223.027 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 138019

Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.0	97.6
51	37.3	28.9	43.3

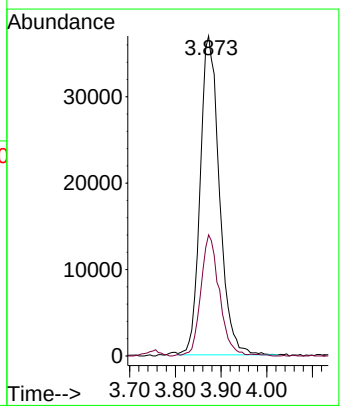


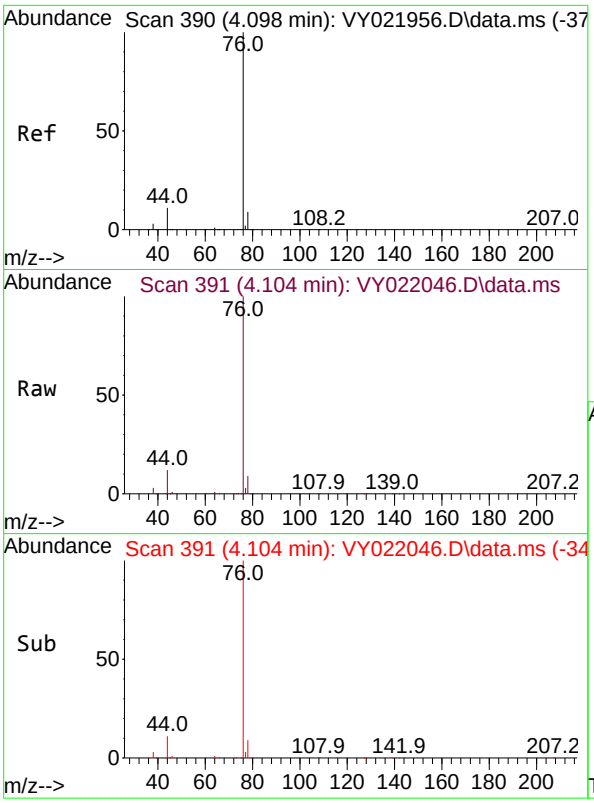


#16
Acetone
Concen: 271.364 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 107650

Ion	Ratio	Lower	Upper
43	100		
58	38.0	27.0	40.4



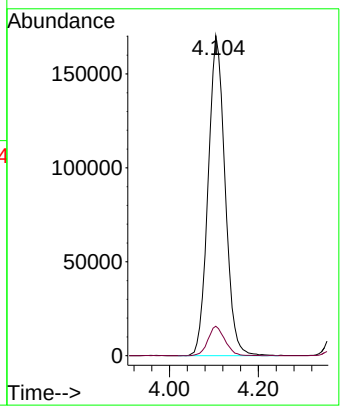


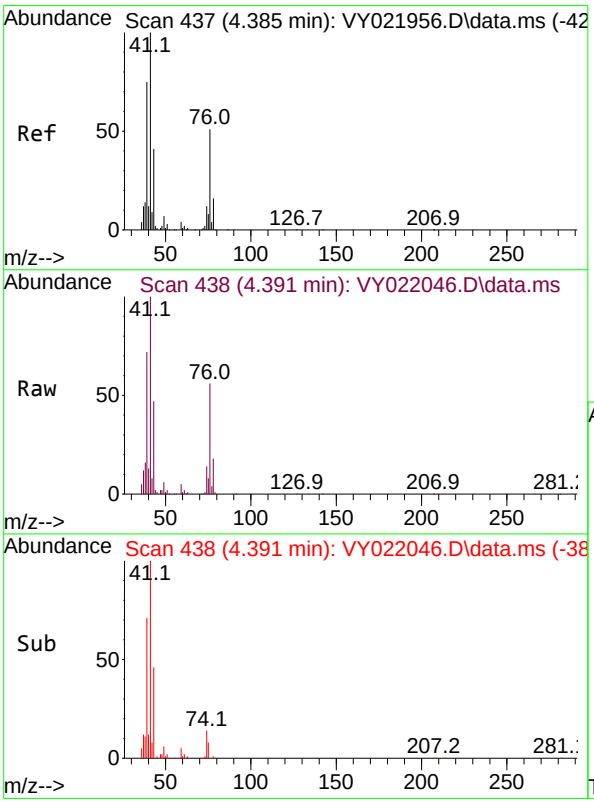
#17
Carbon Disulfide
Concen: 43.107 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 451363

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

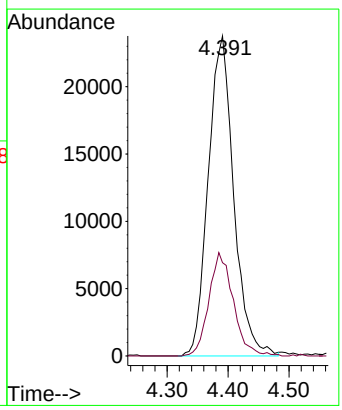


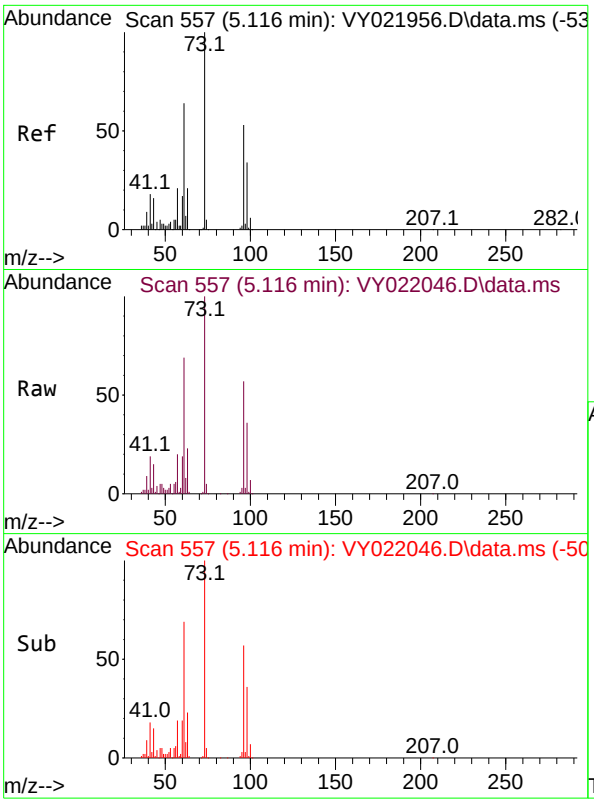


#18
Methyl Acetate
Concen: 48.392 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 68974

Ion	Ratio	Lower	Upper
43	100		
74	31.0	24.2	36.4



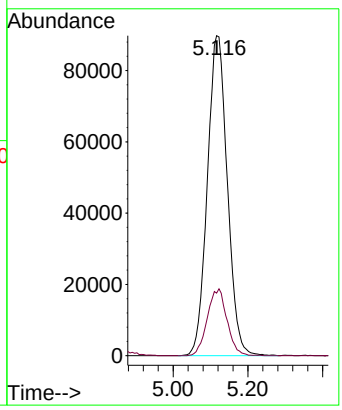


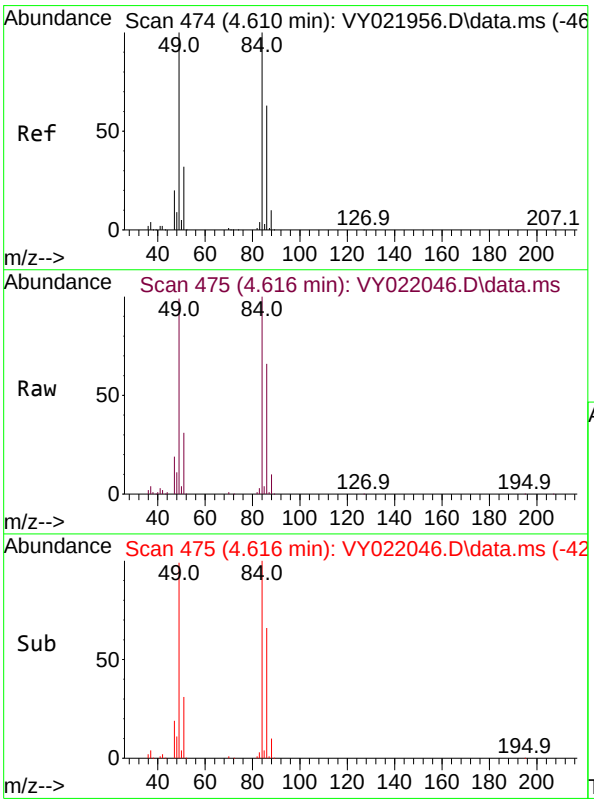
#19
Methyl tert-butyl Ether
Concen: 45.315 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 333065

Ion	Ratio	Lower	Upper
73	100		
57	19.6	16.9	25.3

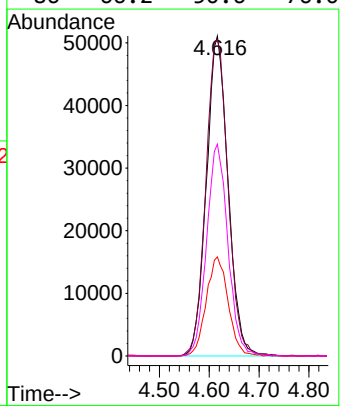


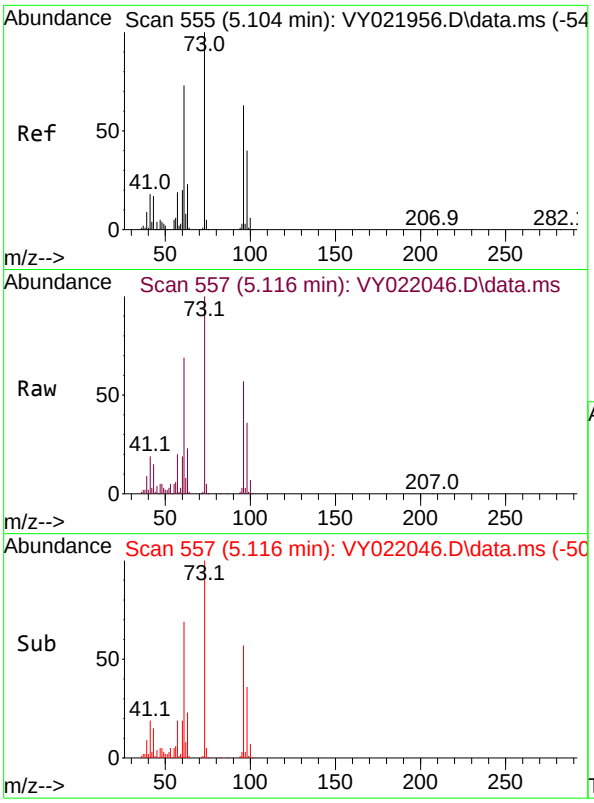


#20
Methylene Chloride
Concen: 40.043 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 84 Resp: 154498

Ion	Ratio	Lower	Upper
84	100		
49	98.9	79.9	119.9
51	31.0	25.4	38.0
86	66.2	50.6	76.0



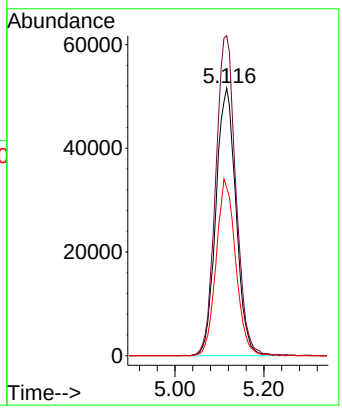


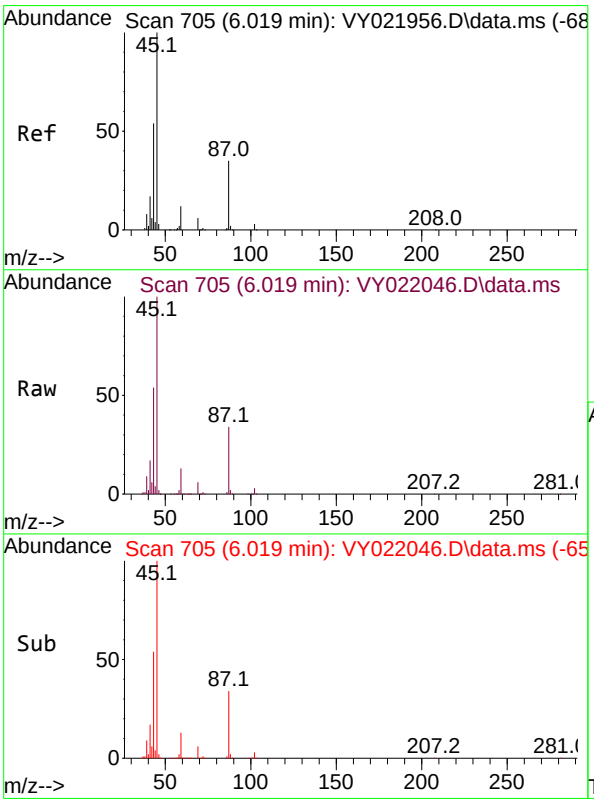
#21
trans-1,2-Dichloroethene
Concen: 43.924 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 161542

Ion	Ratio	Lower	Upper
96	100		
61	119.5	92.6	138.8
98	62.8	50.2	75.4

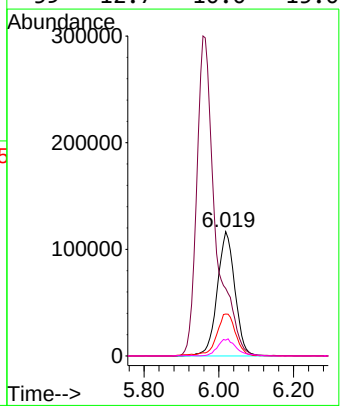


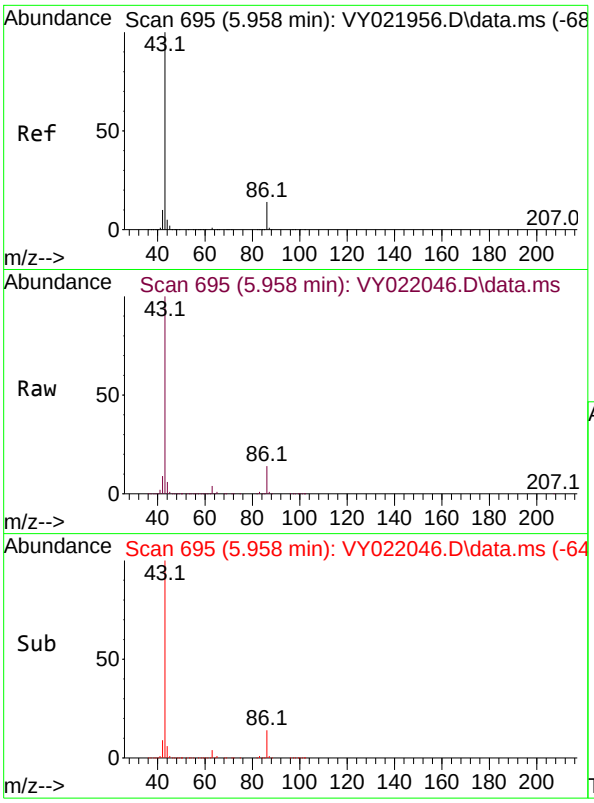


#22
Diisopropyl ether
Concen: 44.895 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 45 Resp: 382029

Ion	Ratio	Lower	Upper
45	100		
43	54.1	43.6	65.4
87	33.7	28.2	42.4
59	12.7	10.0	15.0



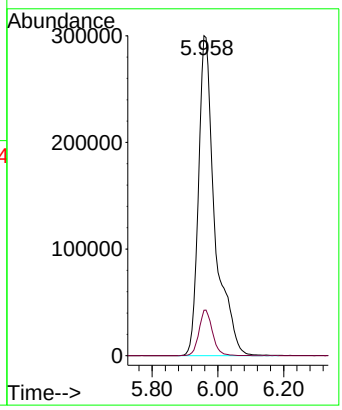


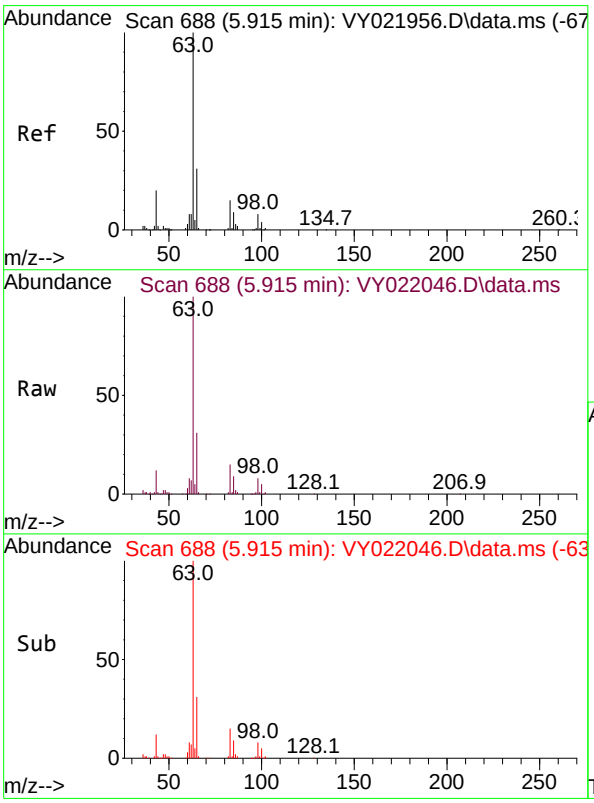
#23
Vinyl Acetate
Concen: 226.736 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1039804

Ion	Ratio	Lower	Upper
43	100		
86	14.2	11.1	16.7

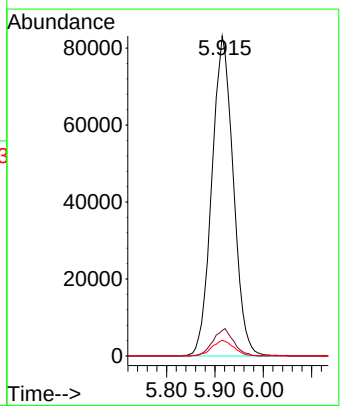


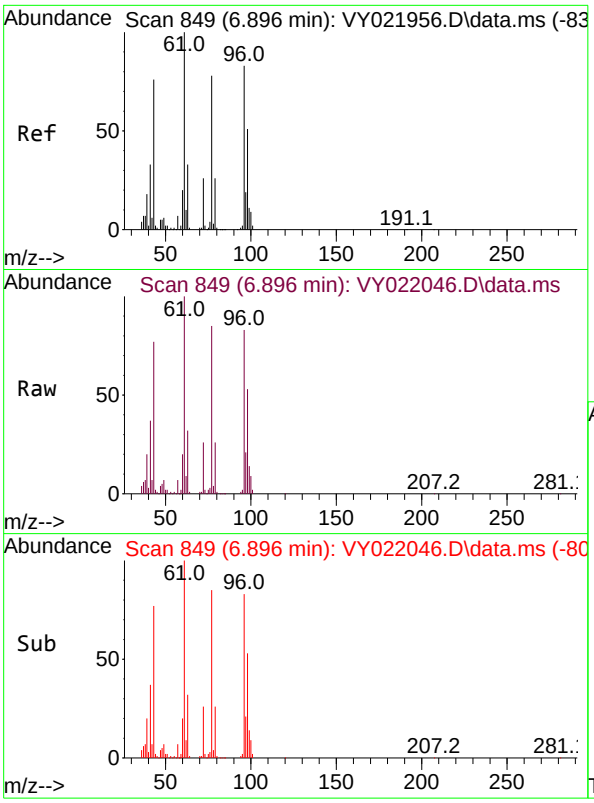


#24
1,1-Dichloroethane
Concen: 43.448 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 63 Resp: 256272

Ion	Ratio	Lower	Upper
63	100		
98	8.0	4.0	11.9
100	4.9	2.0	6.0



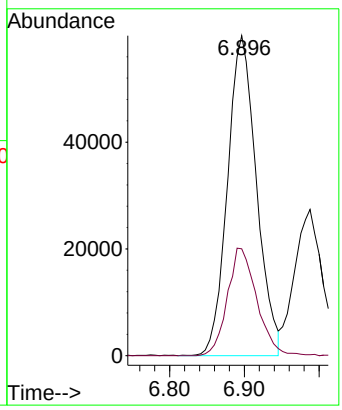


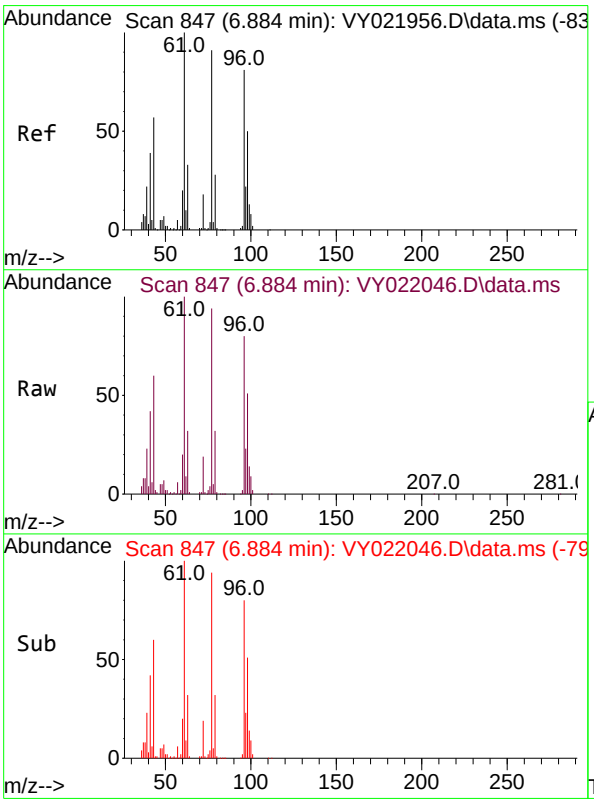
#25
2-Butanone
Concen: 232.499 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 161708

Ion	Ratio	Lower	Upper
43	100		
72	33.4	27.0	40.4

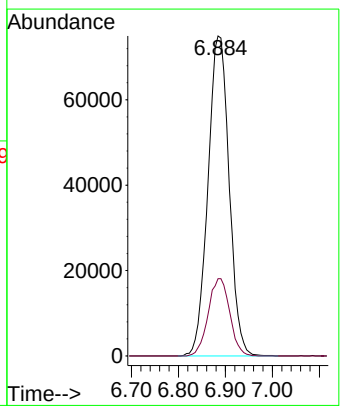


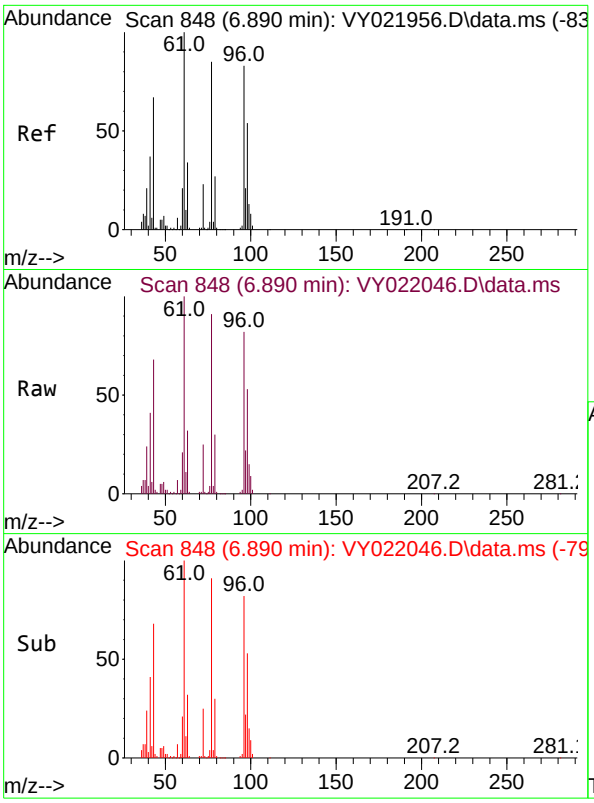


#26
2,2-Dichloropropane
Concen: 45.304 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 77 Resp: 234207

Ion	Ratio	Lower	Upper
77	100		
97	24.5	12.4	37.4



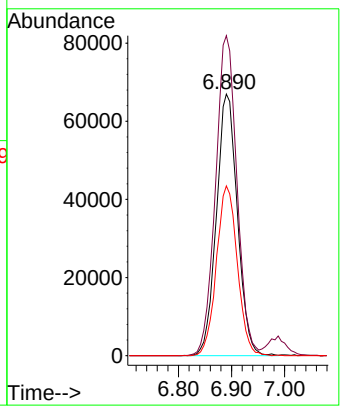


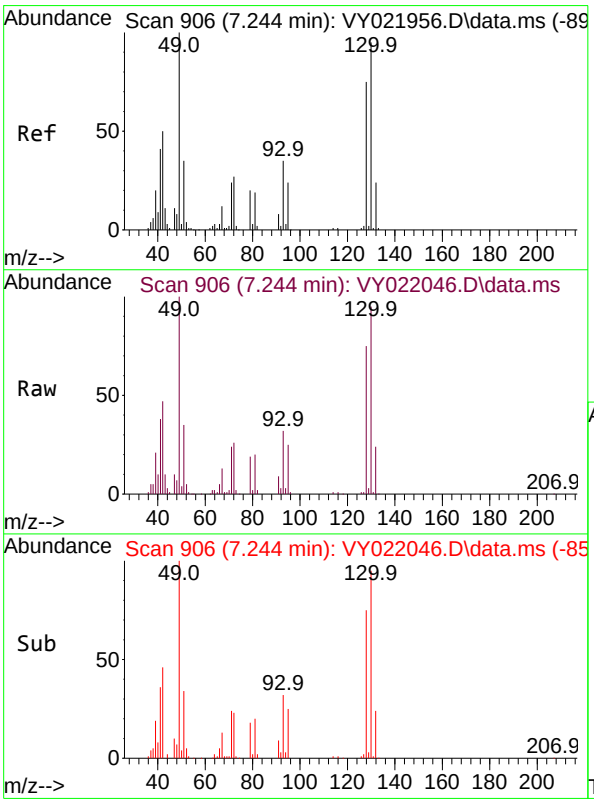
#27
cis-1,2-Dichloroethene
Concen: 44.805 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 184250

Ion	Ratio	Lower	Upper
96	100		
61	124.5	0.0	251.4
98	64.5	0.0	128.4

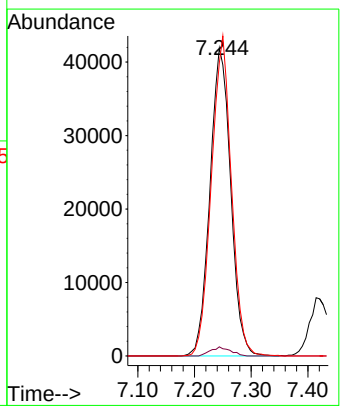


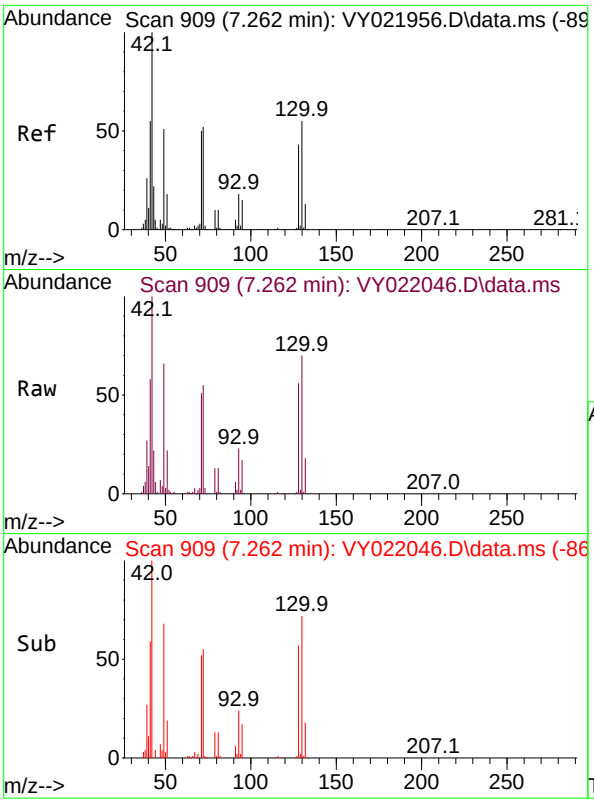


#28
Bromochloromethane
Concen: 46.456 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 49 Resp: 106431

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	100.4	78.2	117.4



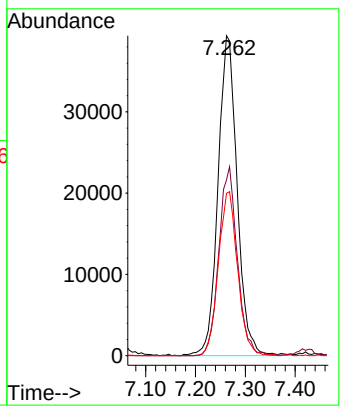


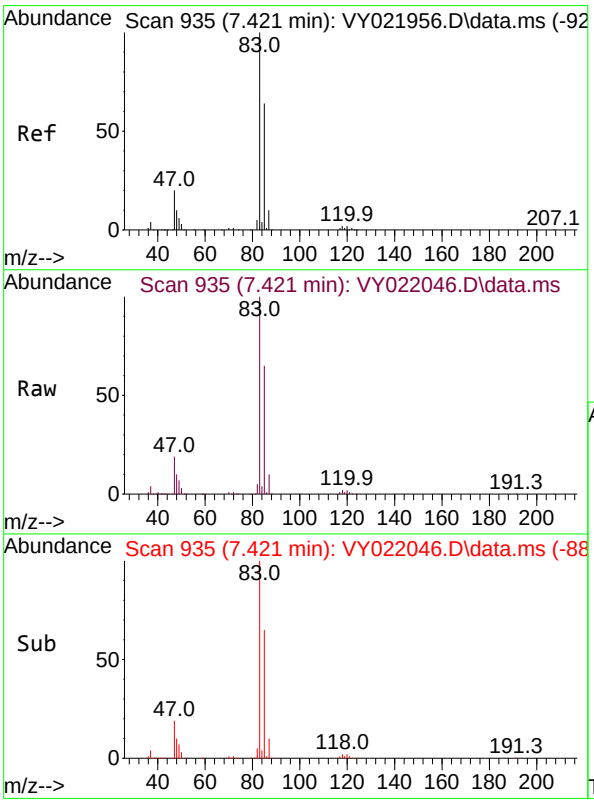
#29
Tetrahydrofuran
Concen: 232.133 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 104861

Ion	Ratio	Lower	Upper
42	100		
72	57.0	42.6	63.8
71	51.8	40.6	61.0

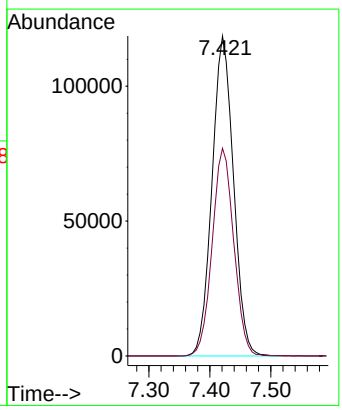


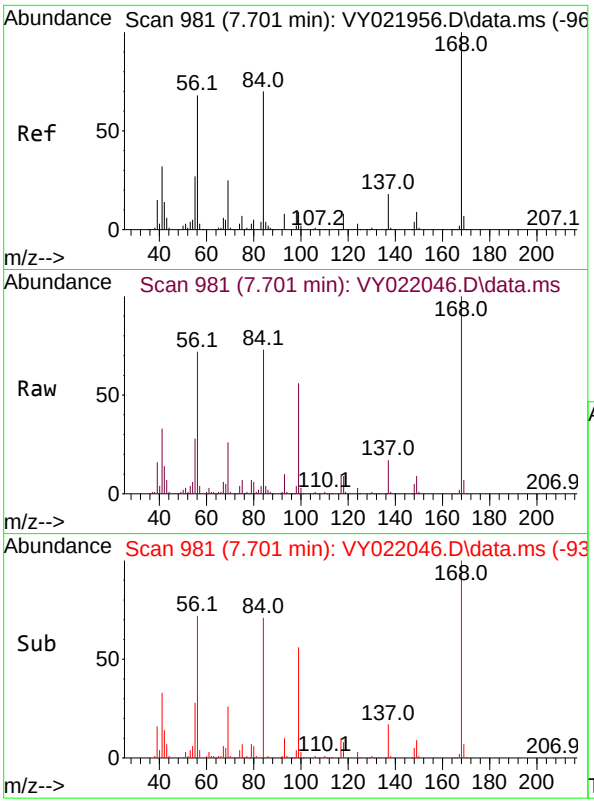


#30
Chloroform
Concen: 44.298 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 83 Resp: 289823

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9



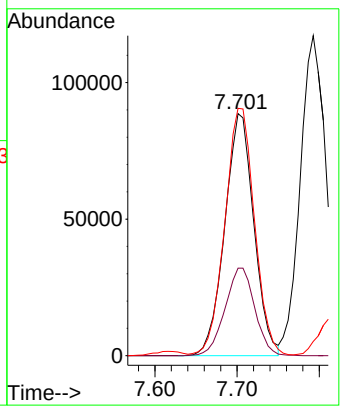


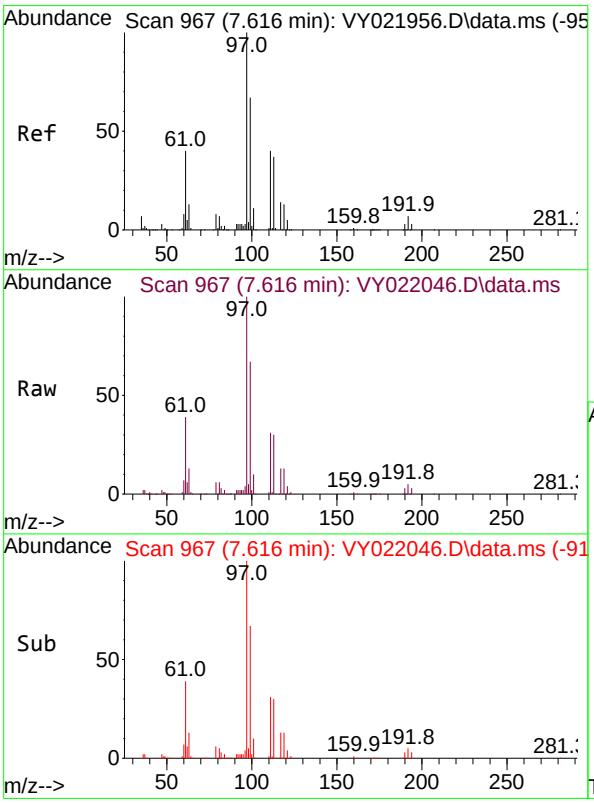
#31
Cyclohexane
Concen: 43.306 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 218435

Ion	Ratio	Lower	Upper
56	100		
69	36.2	29.4	44.2
84	100.6	82.2	123.4

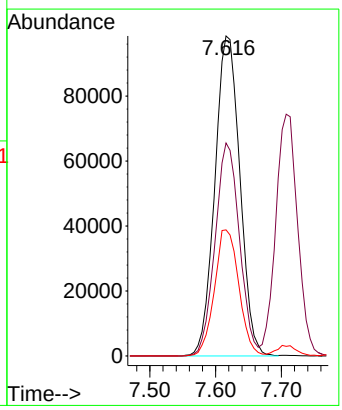


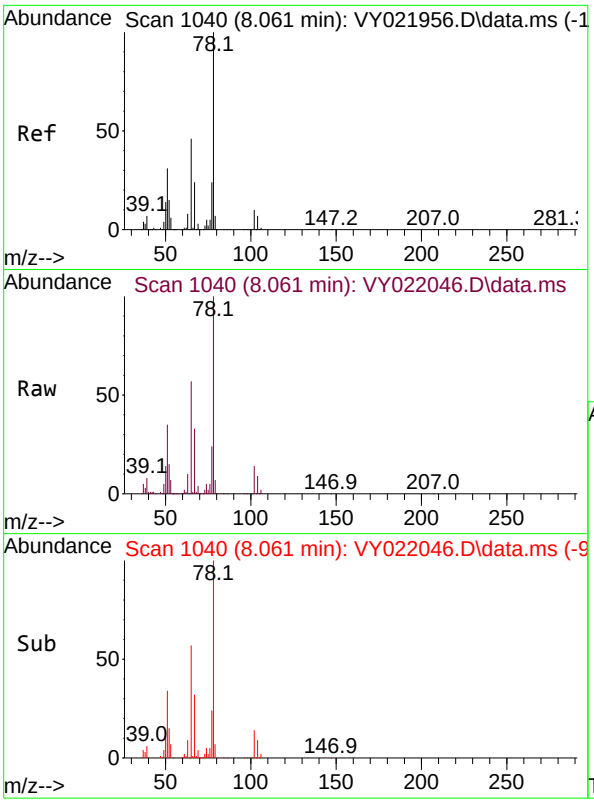


#32
1,1,1-Trichloroethane
Concen: 44.057 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 97 Resp: 260780

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	38.6	31.4	47.2



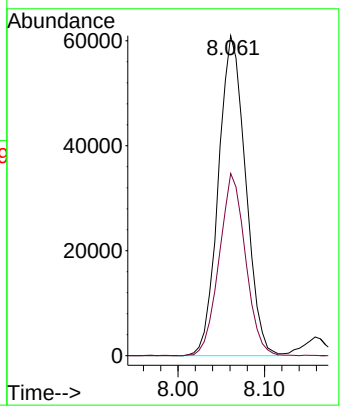


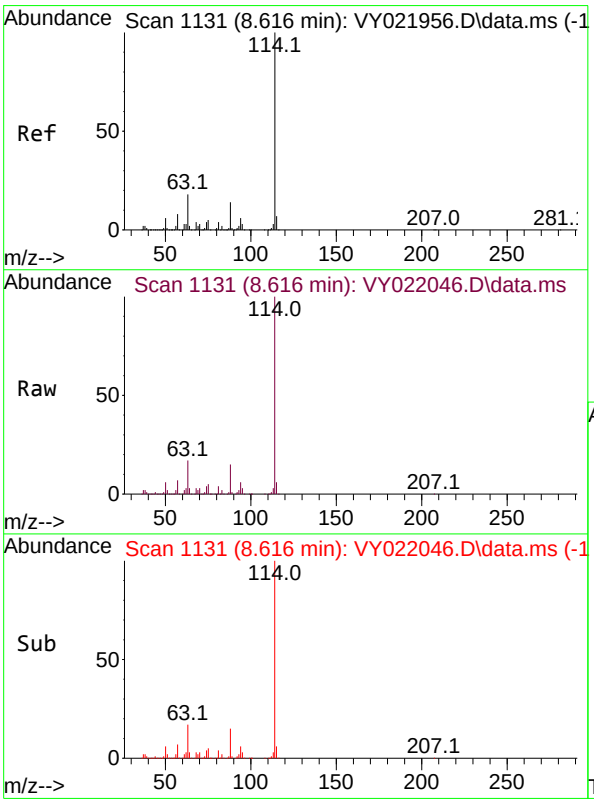
#33
1,2-Dichloroethane-d4
Concen: 43.532 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 132828

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.8

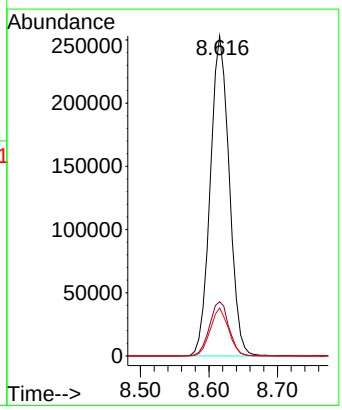


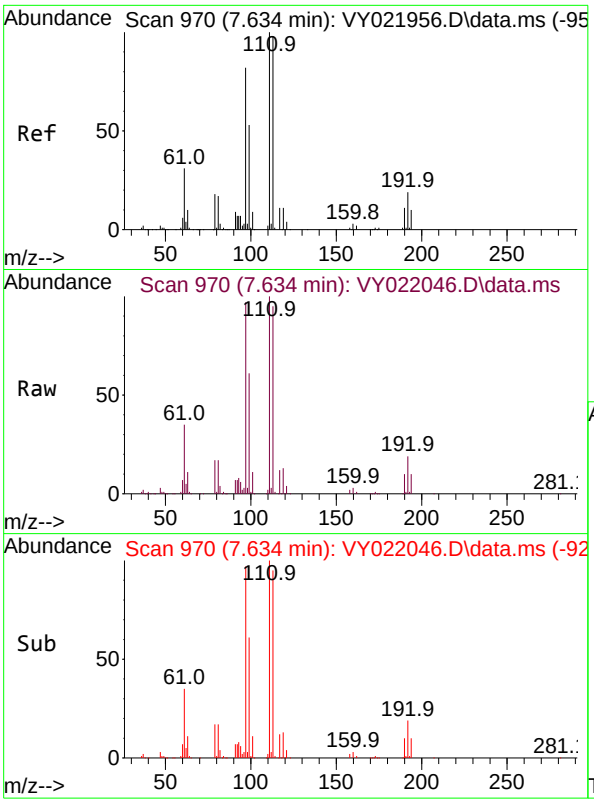


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:114 Resp: 485397

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	35.4
88	15.0	0.0	28.2



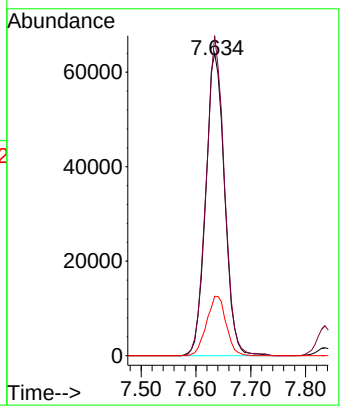


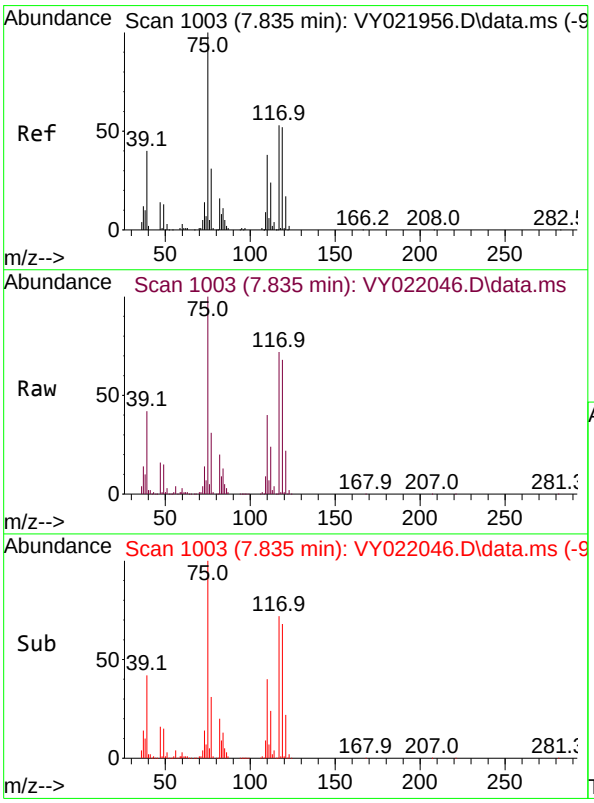
#35
Dibromofluoromethane
Concen: 47.486 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 152279

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	20.4	15.6	23.4

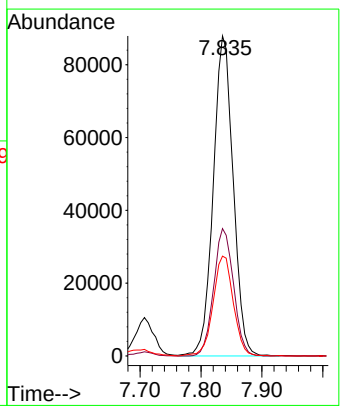


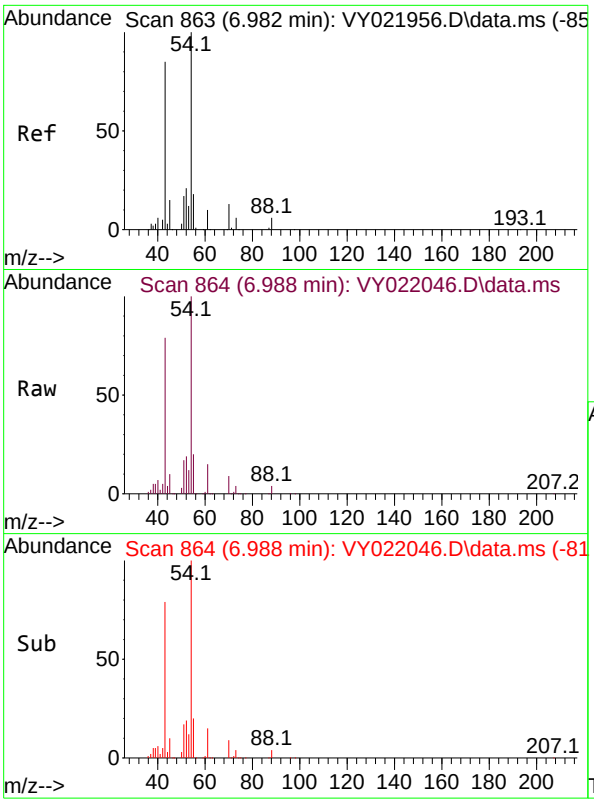


#36
1,1-Dichloropropene
Concen: 46.442 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 200053

Ion	Ratio	Lower	Upper
75	100		
110	39.5	19.1	57.3
77	31.7	25.5	38.3



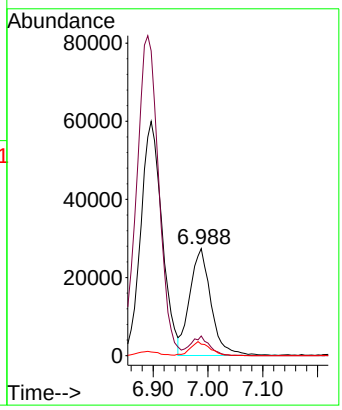


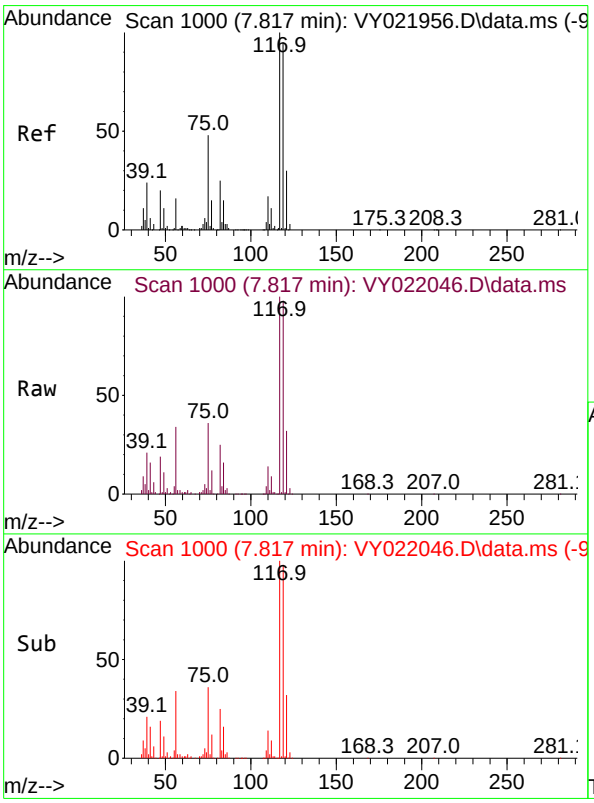
#37
Ethyl Acetate
Concen: 47.597 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 73636

Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.8	20.6
70	12.0	9.2	13.8

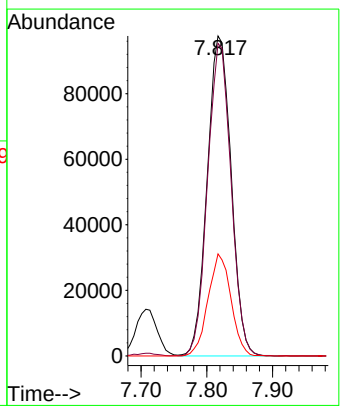


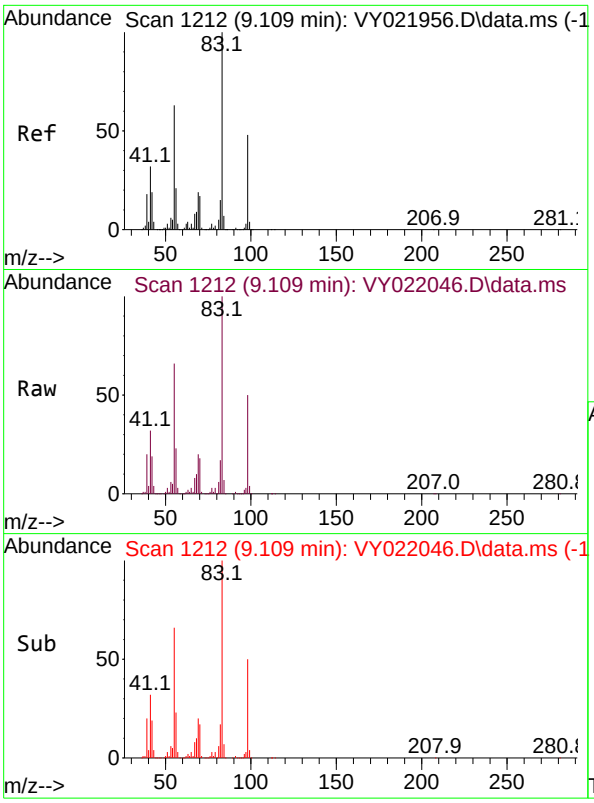


#38
Carbon Tetrachloride
Concen: 48.012 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:117 Resp: 247130

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.4
121	31.9	24.0	36.0



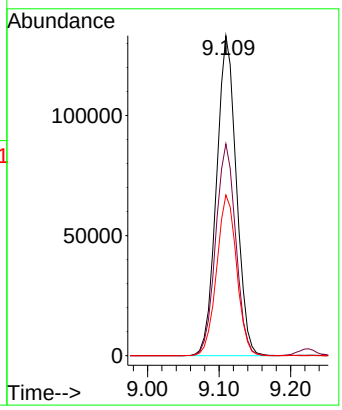


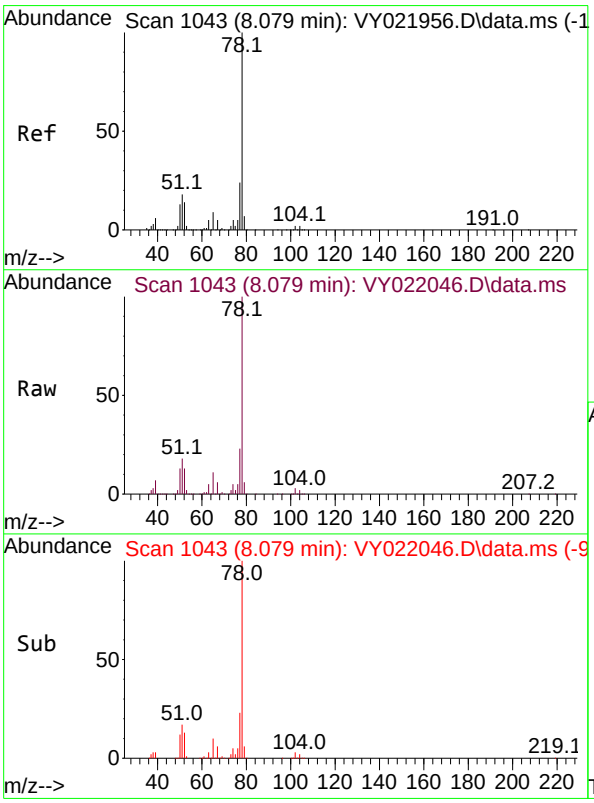
#39
Methylcyclohexane
Concen: 47.325 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 256540

Ion	Ratio	Lower	Upper
83	100		
55	66.2	50.6	75.8
98	50.2	38.6	58.0

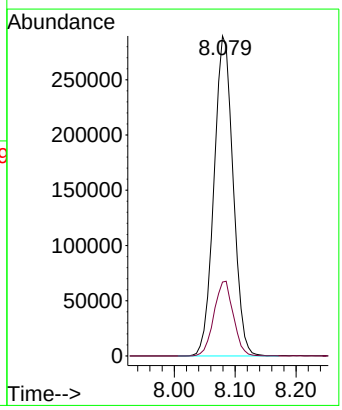


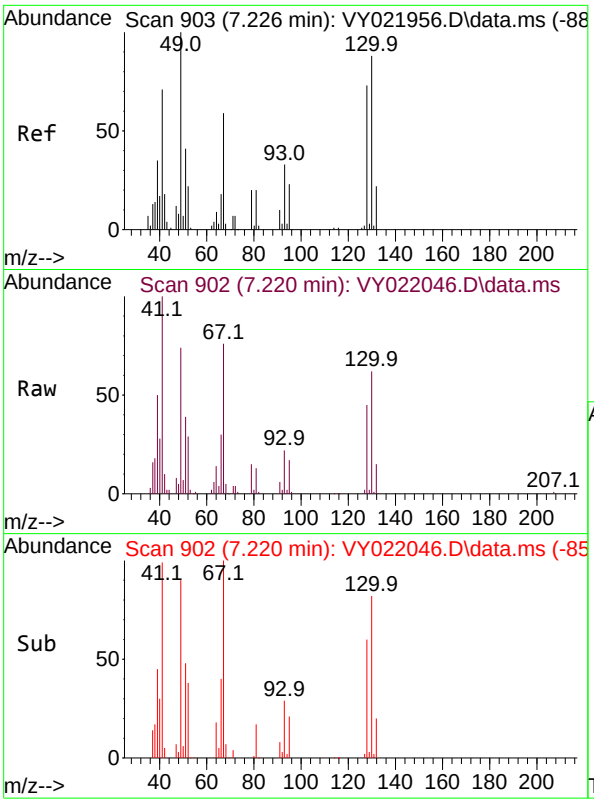


#40
Benzene
Concen: 46.906 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 78 Resp: 631609

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9



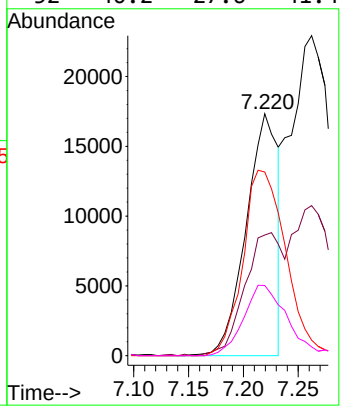


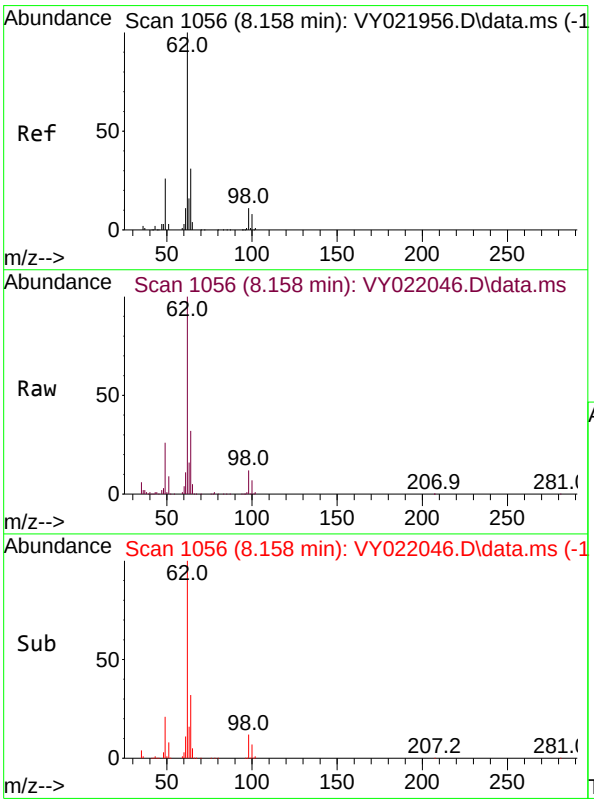
#41
Methacrylonitrile
Concen: 41.395 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 35008

Ion	Ratio	Lower	Upper
41	100		
39	61.4	36.6	55.0#
67	103.9	72.2	108.4
52	40.2	27.6	41.4

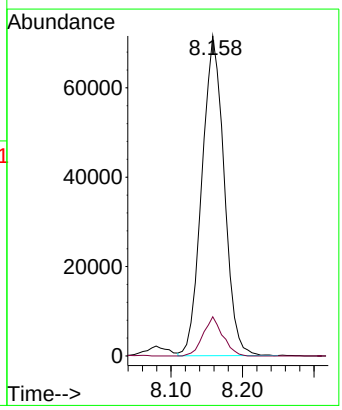


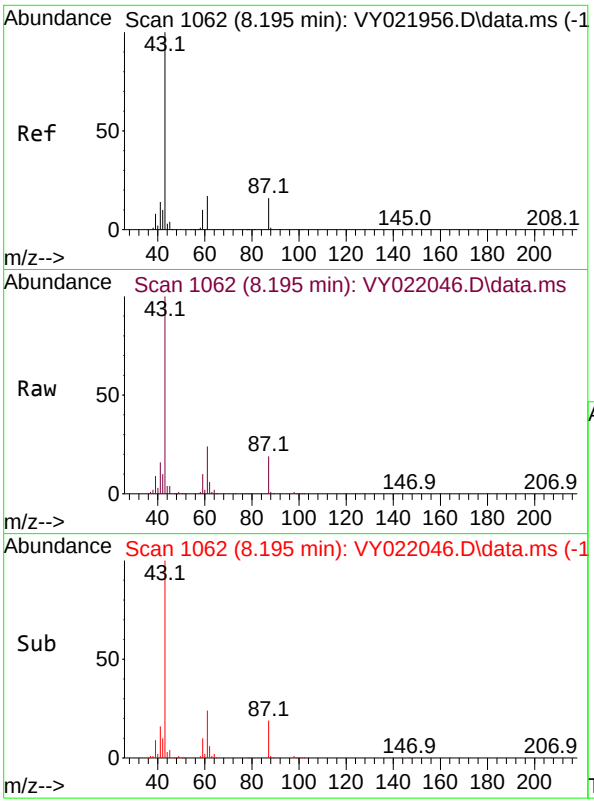


#42
1,2-Dichloroethane
Concen: 46.477 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 62 Resp: 154947

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



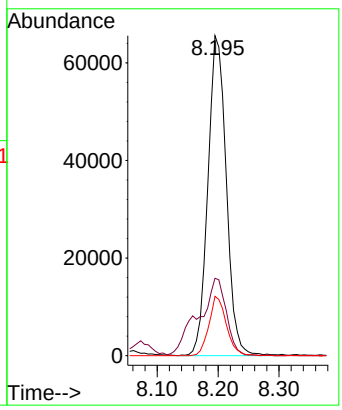


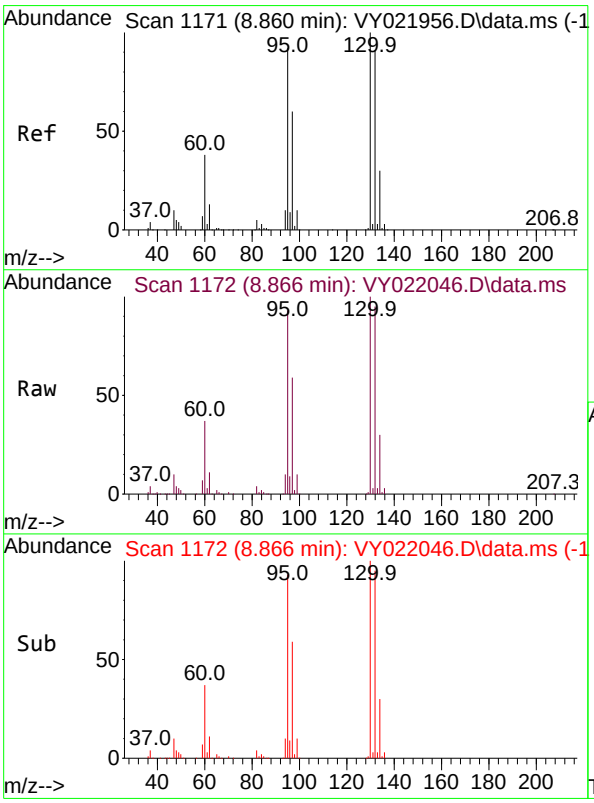
#43
Isopropyl Acetate
Concen: 46.389 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 137822

Ion	Ratio	Lower	Upper
43	100		
61	36.2	18.9	28.3#
87	17.6	13.7	20.5

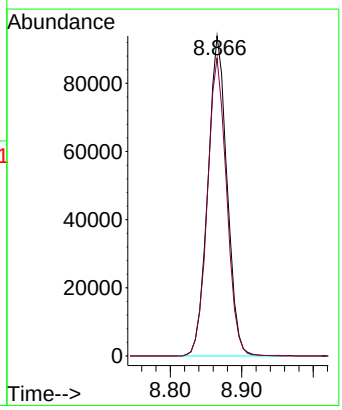


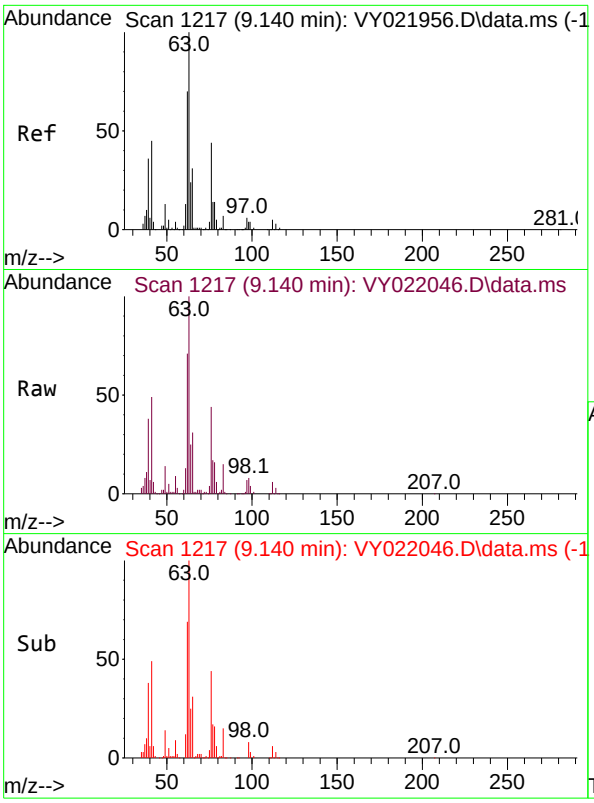


#44
Trichloroethene
Concen: 46.887 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:130 Resp: 174874

Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	183.2



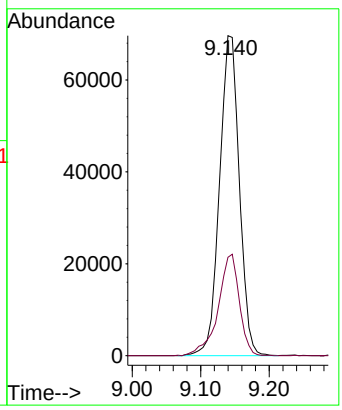


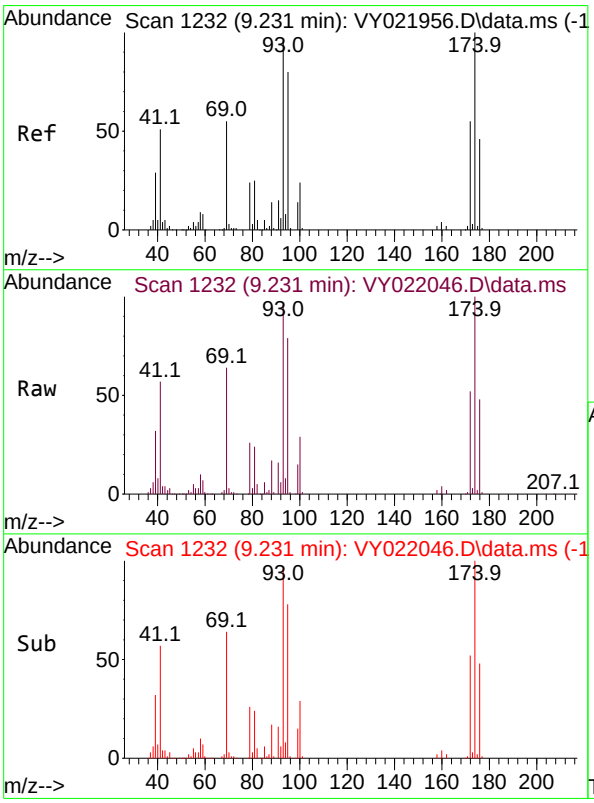
#45
1,2-Dichloropropane
Concen: 46.764 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 139252

Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.2	37.8

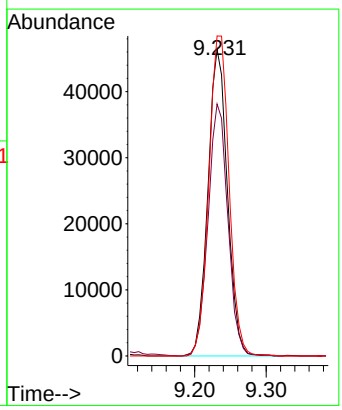


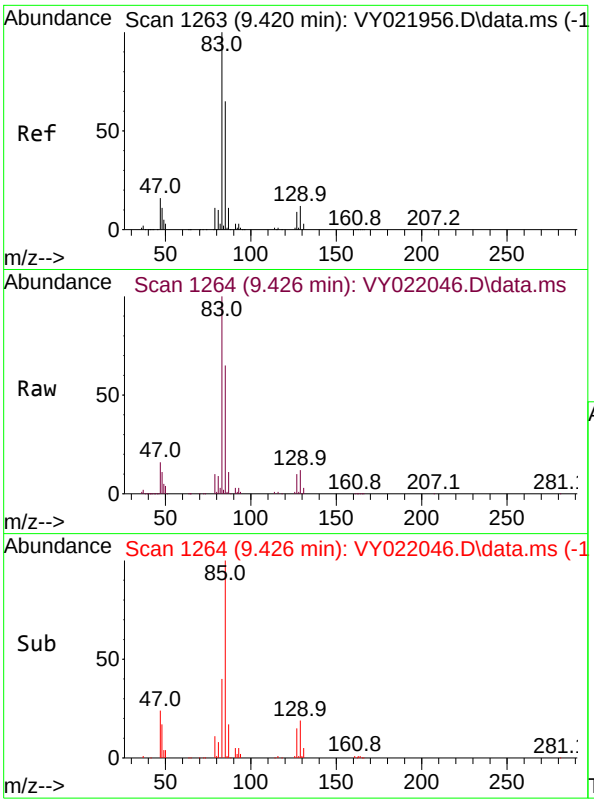


#46
Dibromomethane
Concen: 47.082 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 93 Resp: 87764

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.7	100.1
174	108.2	84.6	127.0



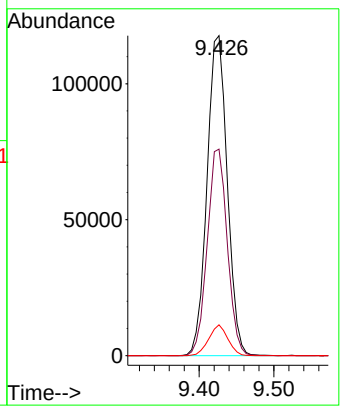


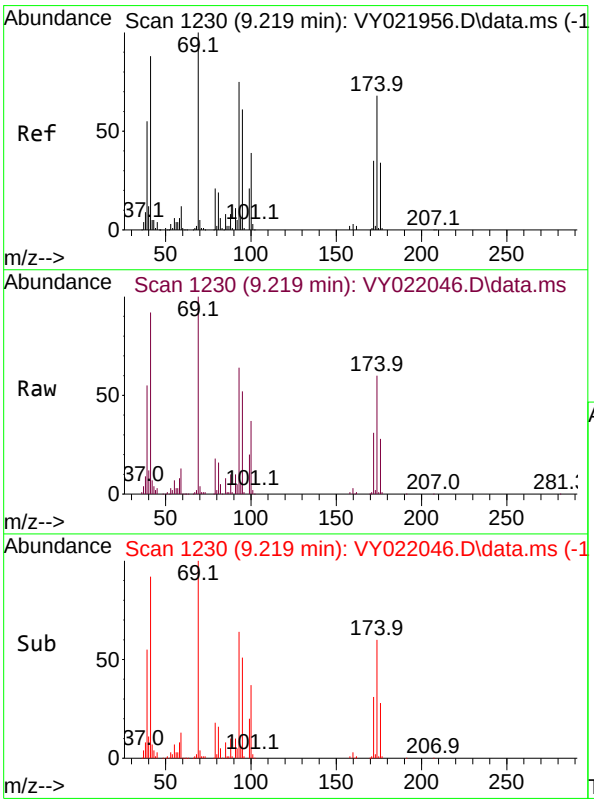
#47
Bromodichloromethane
Concen: 47.592 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 221624

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8
127	9.7	7.0	10.6

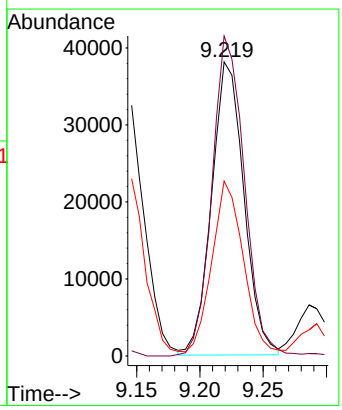


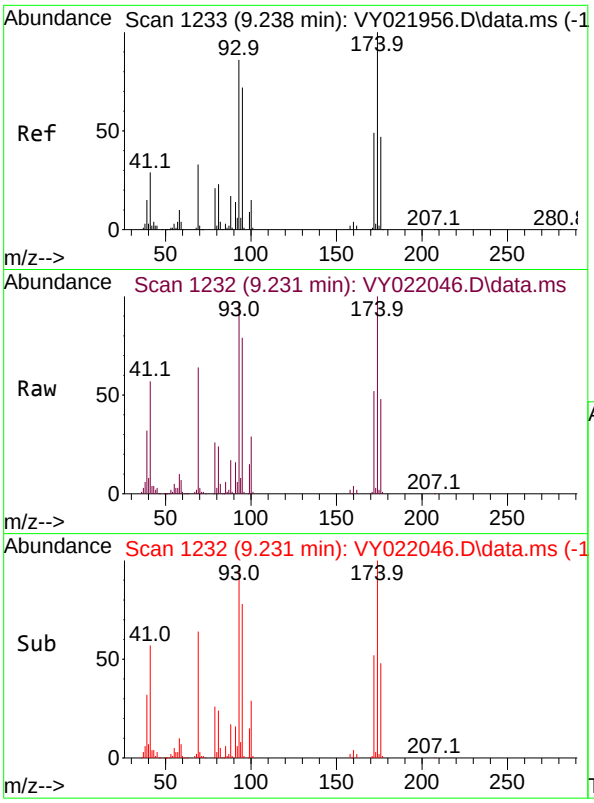


#48
Methyl methacrylate
Concen: 49.274 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 41 Resp: 67675

Ion	Ratio	Lower	Upper
41	100		
69	109.2	85.5	128.3
39	56.2	46.2	69.4



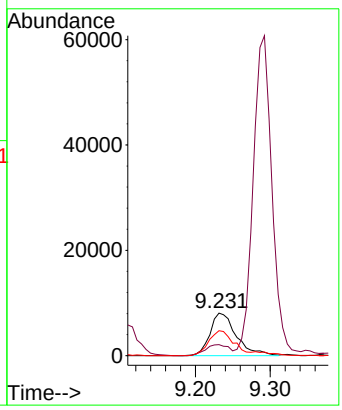


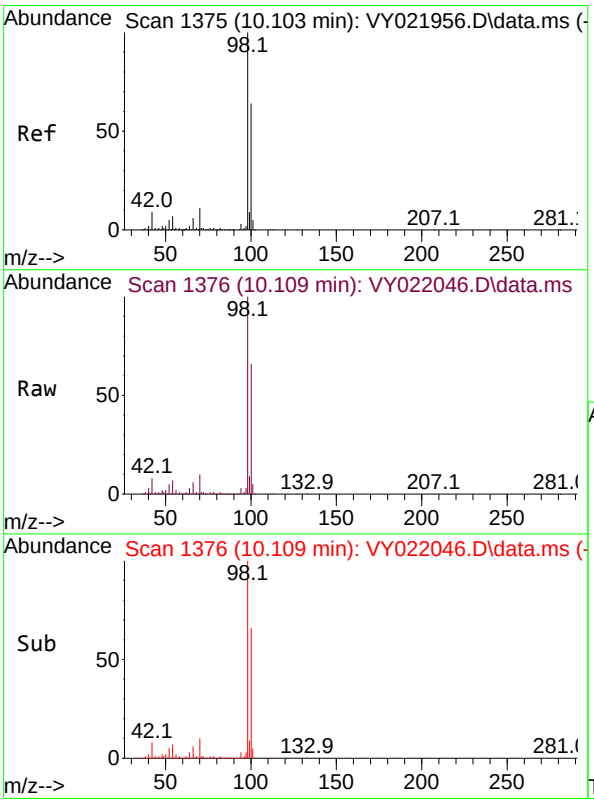
#49
1,4-Dioxane
Concen: 997.336 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 19815

Ion	Ratio	Lower	Upper
88	100		
43	23.2	21.3	31.9
58	55.8	50.5	75.7

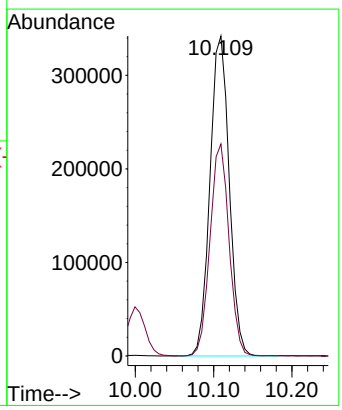


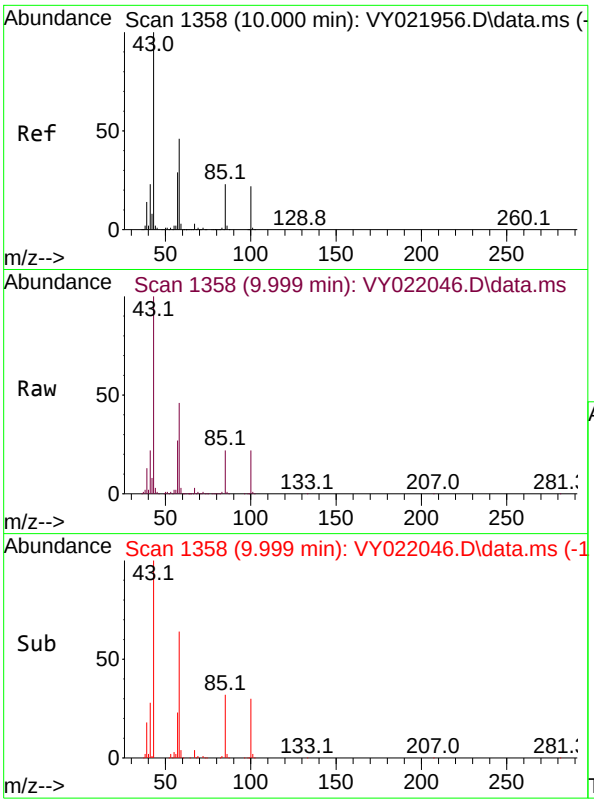


#50
Toluene-d8
Concen: 48.273 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 98 Resp: 583606

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4



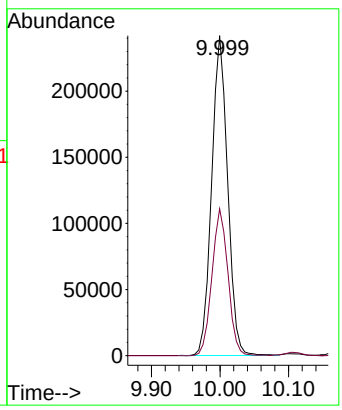


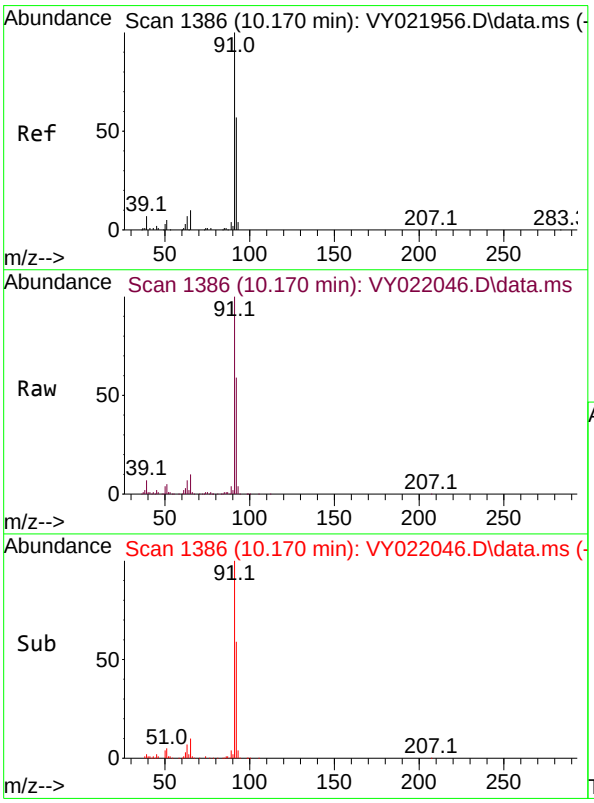
#51
4-Methyl-2-Pentanone
Concen: 250.912 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 390782

Ion	Ratio	Lower	Upper
43	100		
58	46.1	36.6	55.0

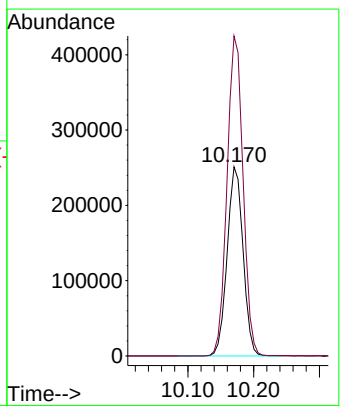


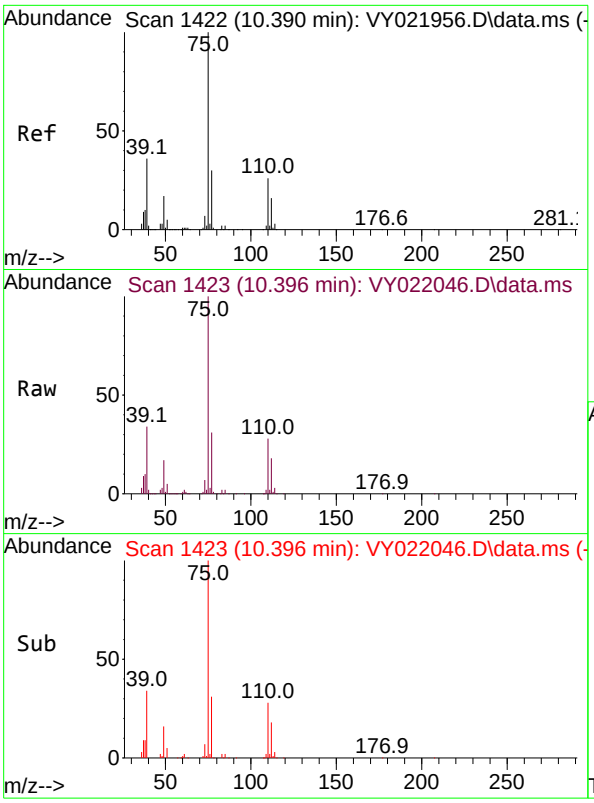


#52
Toluene
Concen: 48.468 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 92 Resp: 422459

Ion	Ratio	Lower	Upper
92	100		
91	170.6	138.6	207.8



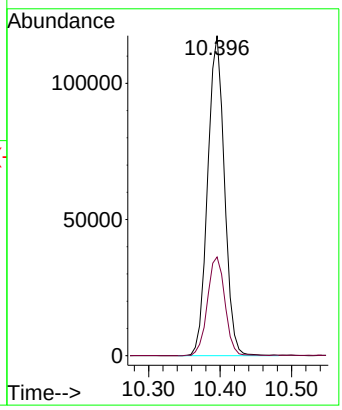


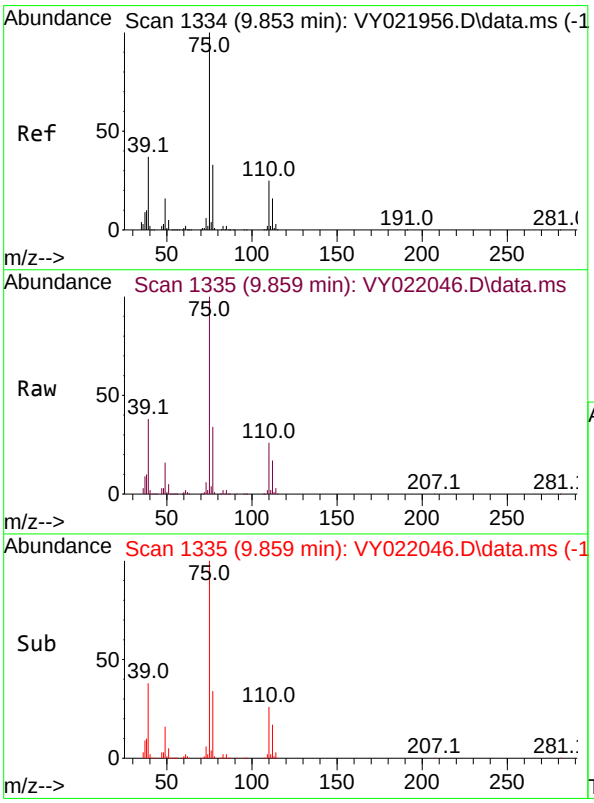
#53
t-1,3-Dichloropropene
Concen: 47.779 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 190842

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.0	36.0

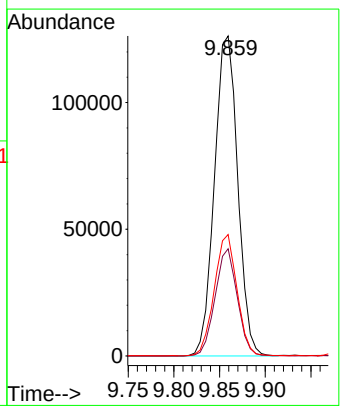


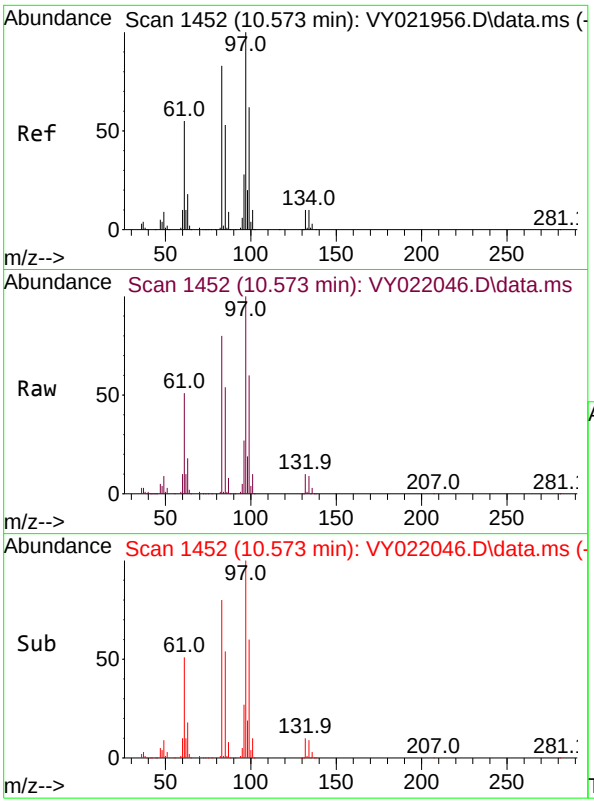


#54
cis-1,3-Dichloropropene
Concen: 47.184 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 224035

Ion	Ratio	Lower	Upper
75	100		
77	33.5	26.6	40.0
39	37.9	29.6	44.4



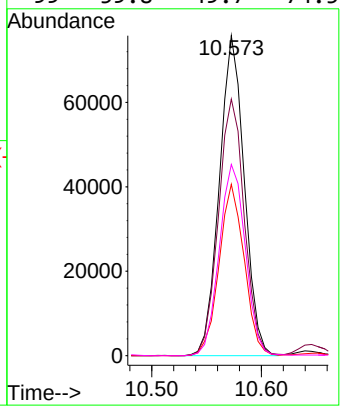


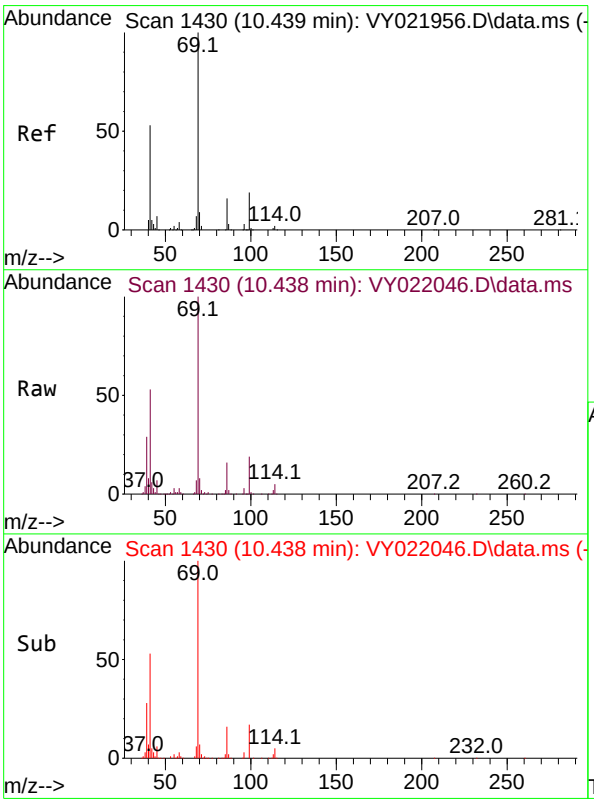
#55
1,1,2-Trichloroethane
Concen: 48.179 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 119964

Ion	Ratio	Lower	Upper
97	100		
83	80.2	66.7	100.1
85	53.6	42.6	64.0
99	59.8	49.7	74.5

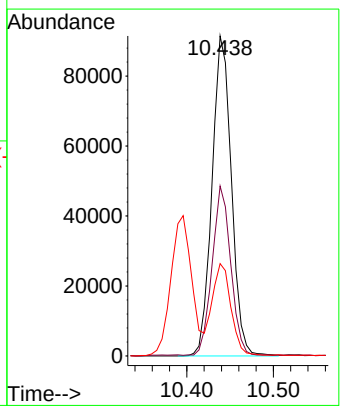


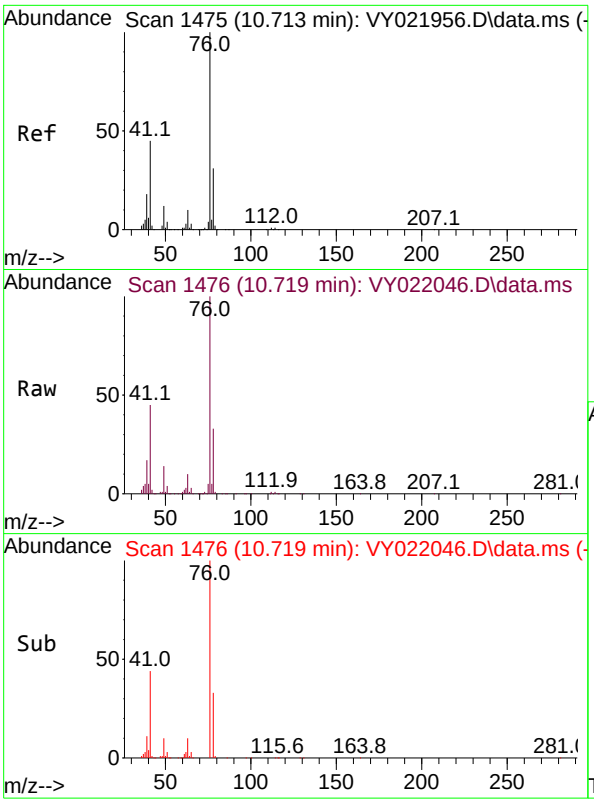


#56
Ethyl methacrylate
Concen: 49.904 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 69 Resp: 142098

Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	27.5	23.3	34.9



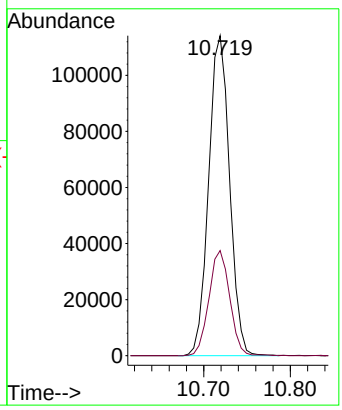


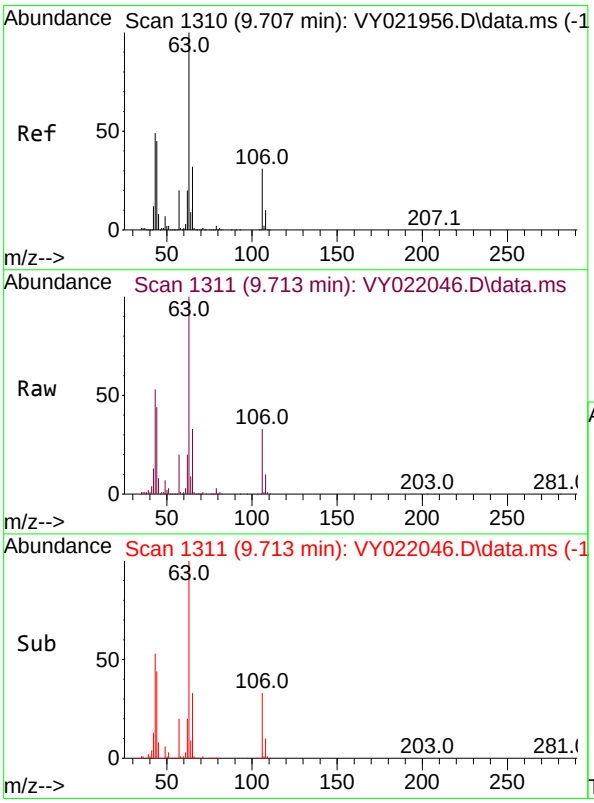
#57
1,3-Dichloropropane
Concen: 48.021 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 191688

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

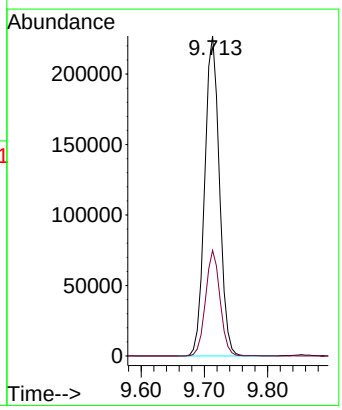


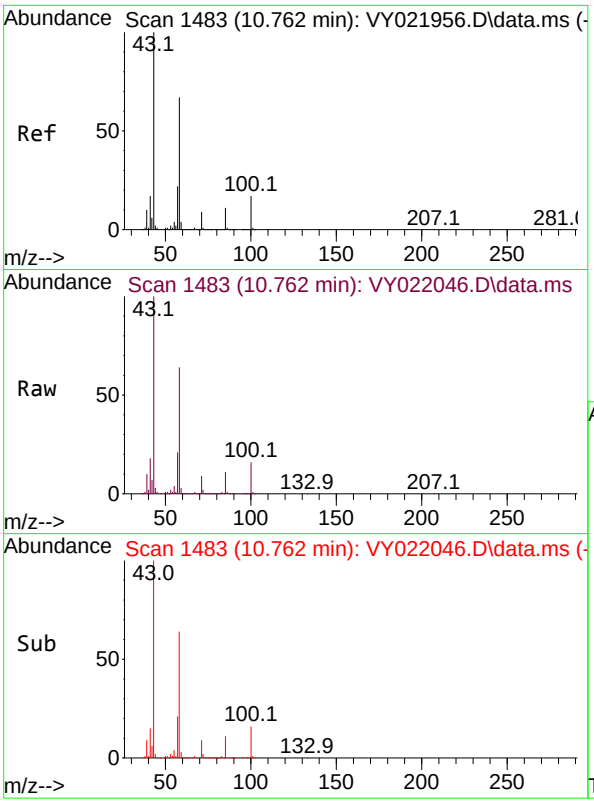


#58
2-Chloroethyl Vinyl ether
Concen: 264.171 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 63 Resp: 367778

Ion	Ratio	Lower	Upper
63	100		
106	32.4	25.3	37.9



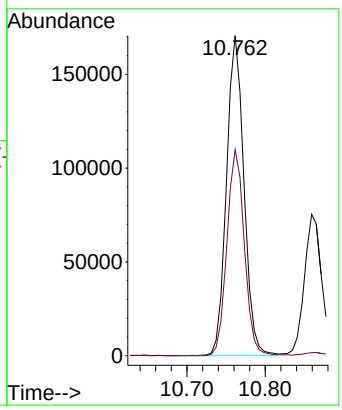


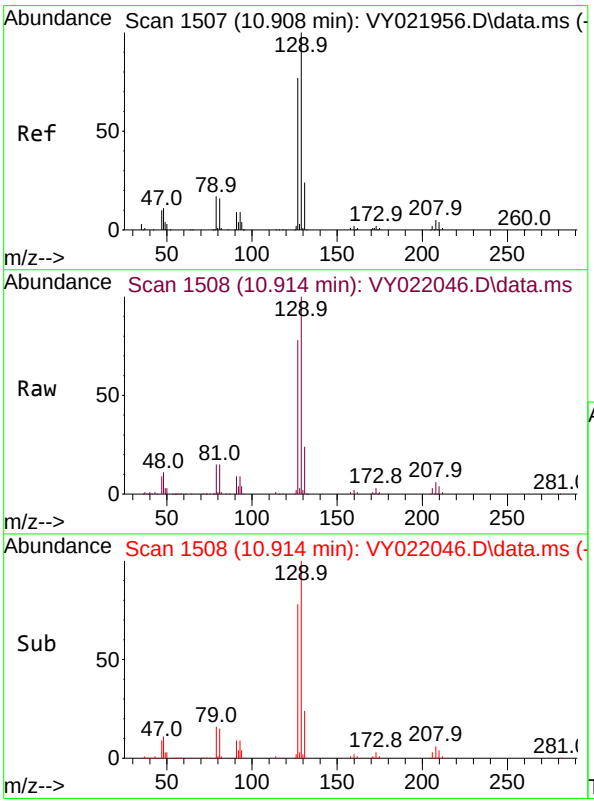
#59
2-Hexanone
Concen: 257.500 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 264521

Ion	Ratio	Lower	Upper
43	100		
58	64.3	32.0	96.0

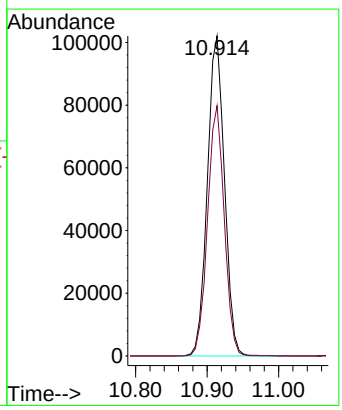


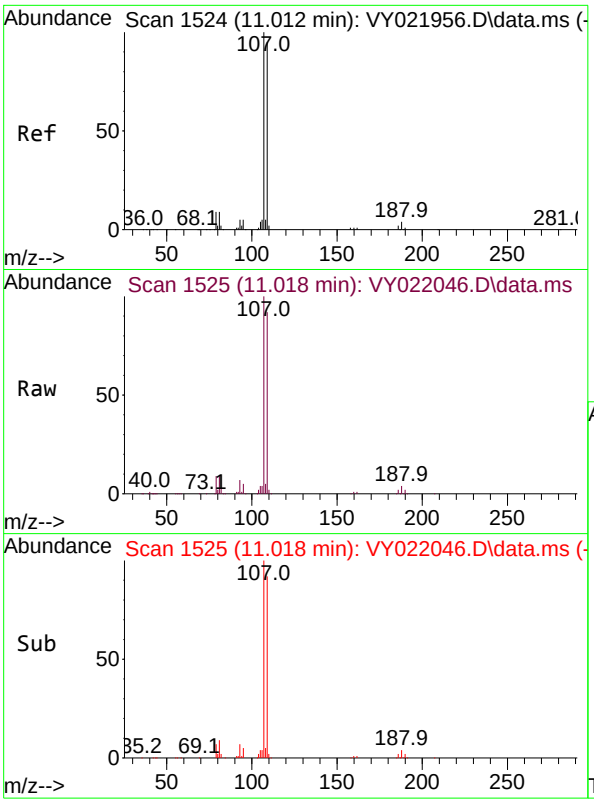


#60
Dibromochloromethane
Concen: 49.071 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:129 Resp: 169164

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3



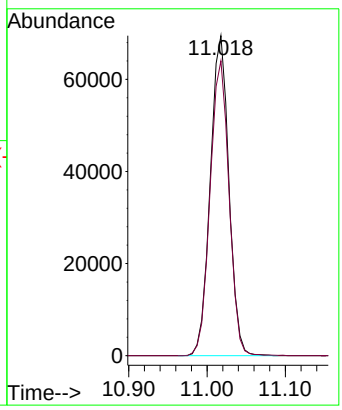


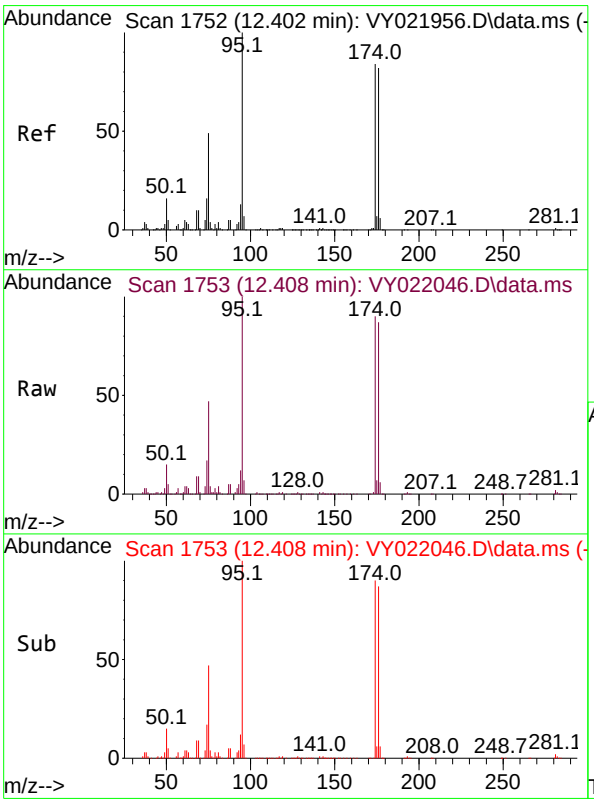
#61
1,2-Dibromoethane
Concen: 48.774 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 114653

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

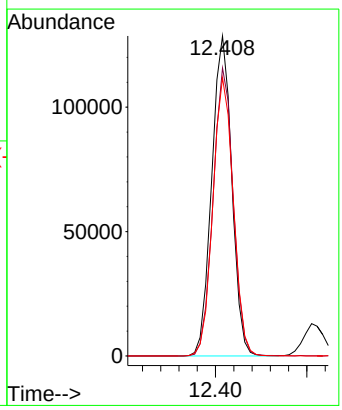


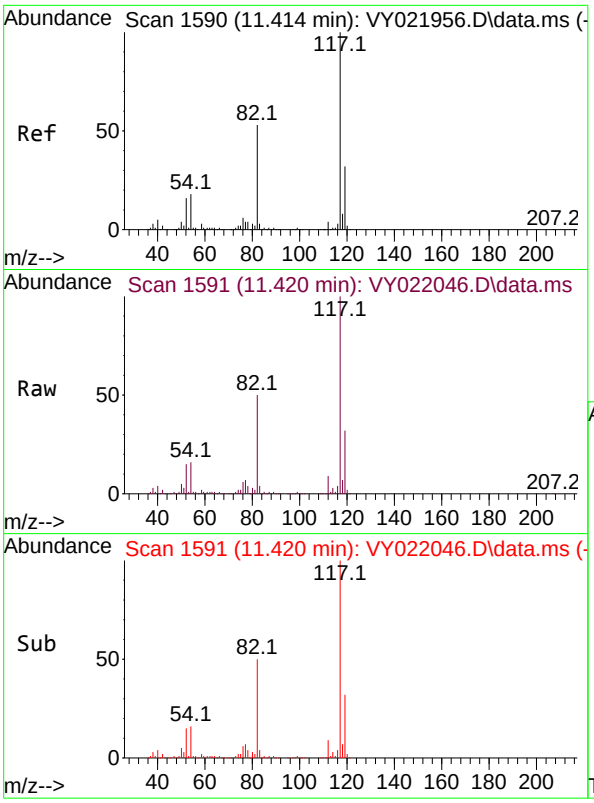


#62
4-Bromofluorobenzene
Concen: 48.133 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 95 Resp: 195893

Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	179.0
176	88.5	0.0	171.8



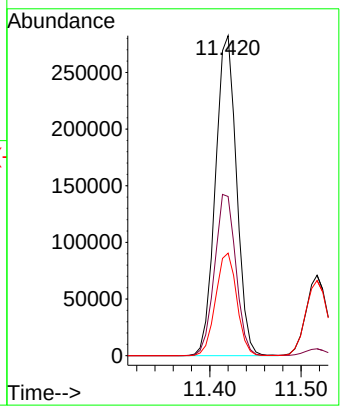


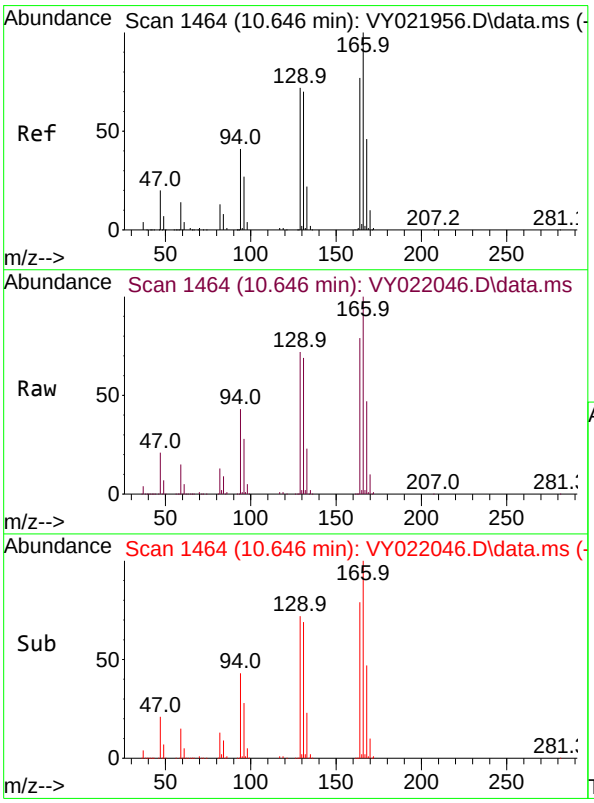
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 453549

Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.1	63.1
119	32.1	25.7	38.5

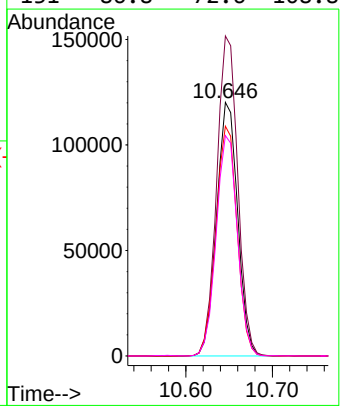


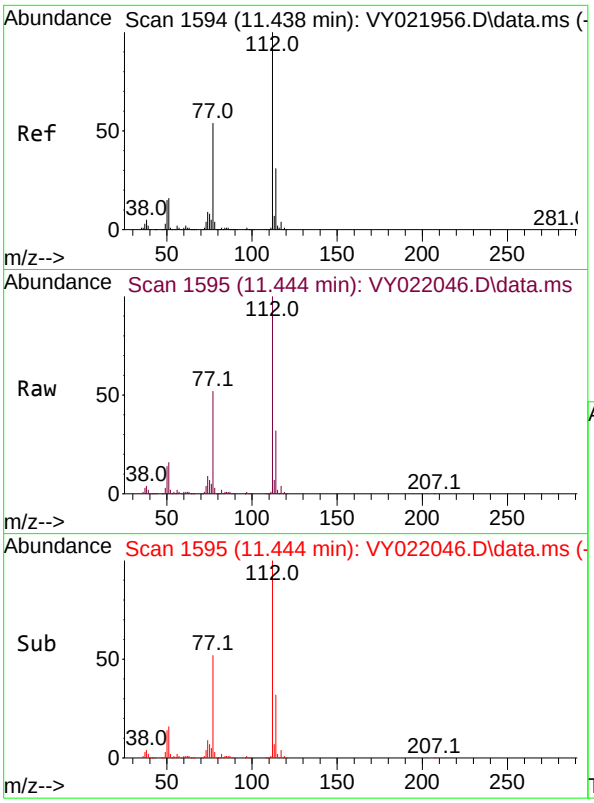


#64
Tetrachloroethene
Concen: 47.647 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:164 Resp: 203863

Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.6	155.4
129	90.6	74.2	111.4
131	86.8	72.6	108.8



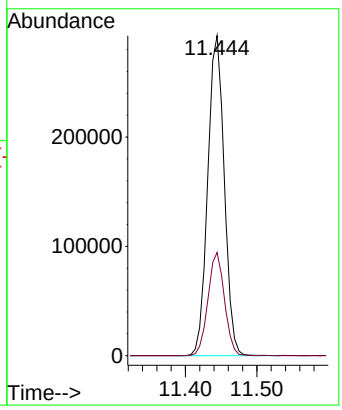


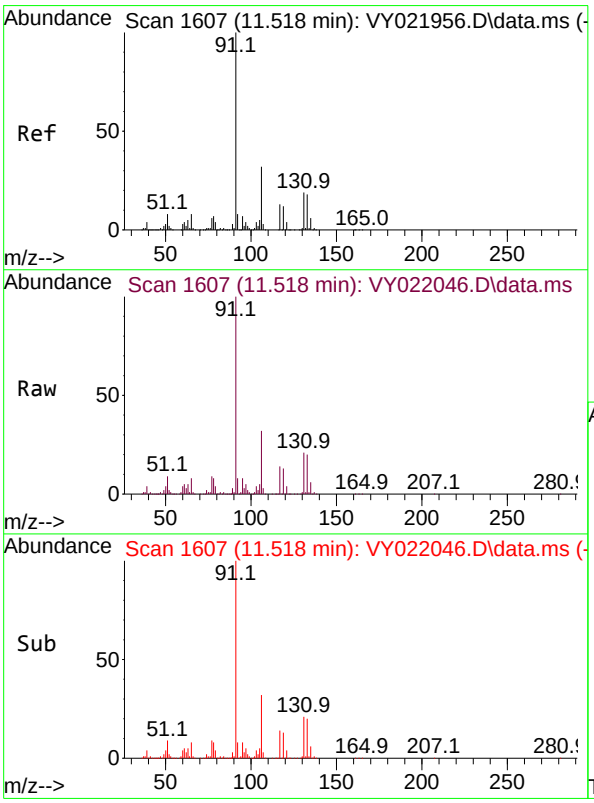
#65
Chlorobenzene
Concen: 46.234 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 468931

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4

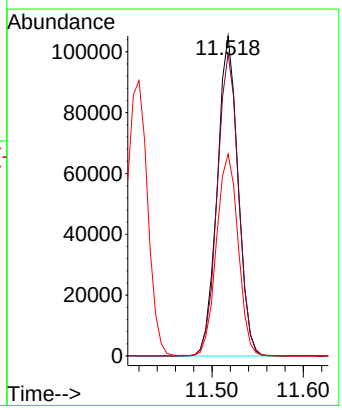


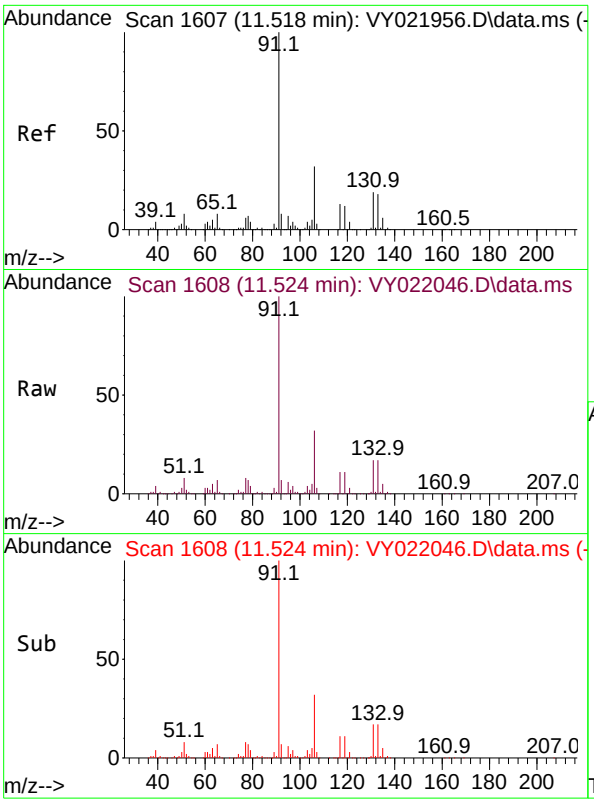


#66
1,1,1,2-Tetrachloroethane
Concen: 46.647 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:131 Resp: 166562

Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.8	143.3
119	65.7	32.4	97.0



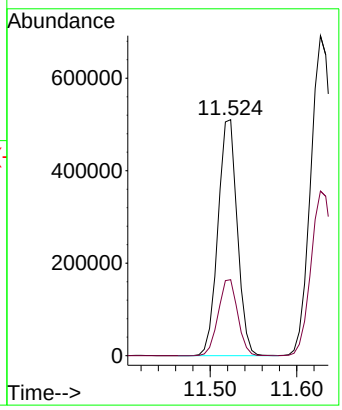


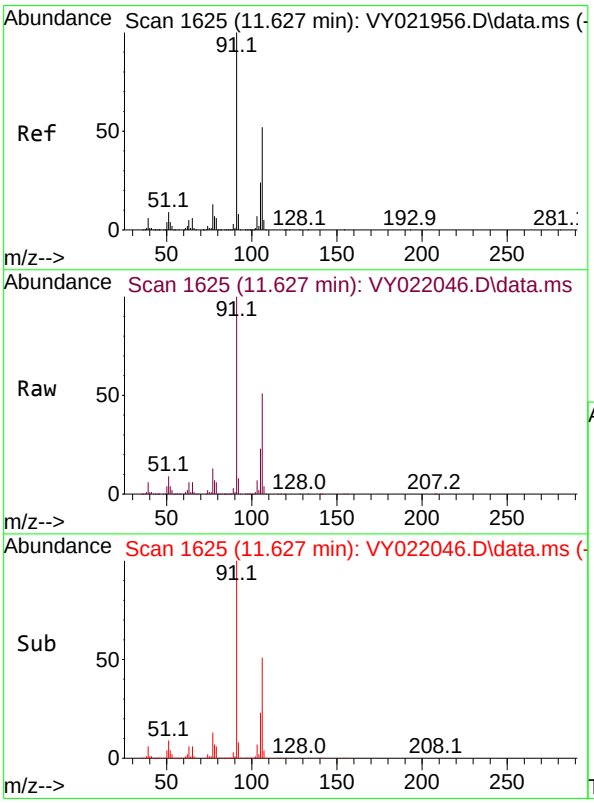
#67
Ethyl Benzene
Concen: 47.678 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 791052

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

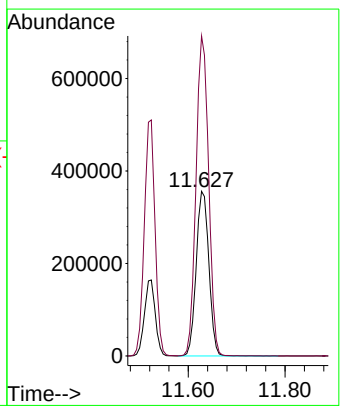


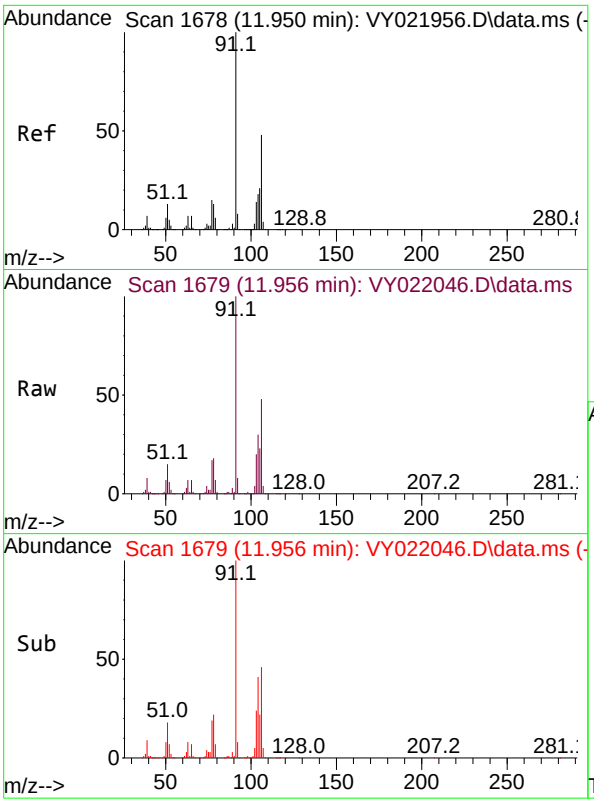


#68
m/p-Xylenes
Concen: 97.760 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:106 Resp: 645425

Ion	Ratio	Lower	Upper
106	100		
91	193.2	156.2	234.2



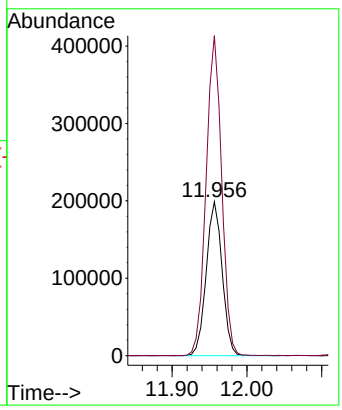


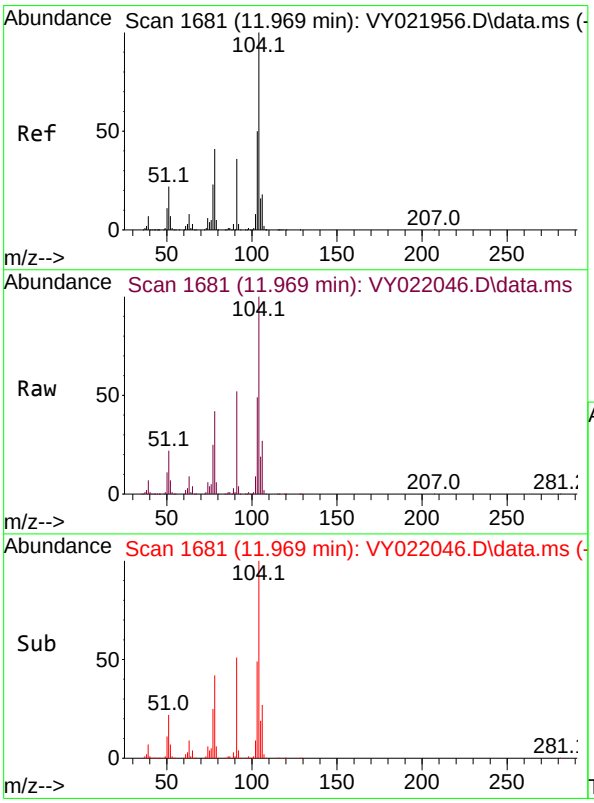
#69
o-Xylene
Concen: 48.395 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 294487

Ion	Ratio	Lower	Upper
106	100		
91	203.5	103.0	308.9

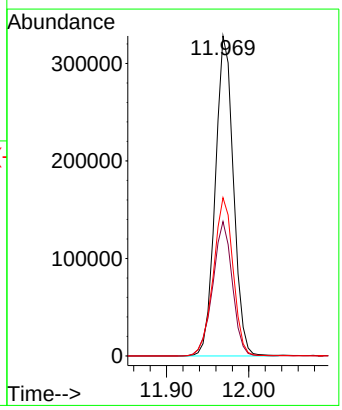


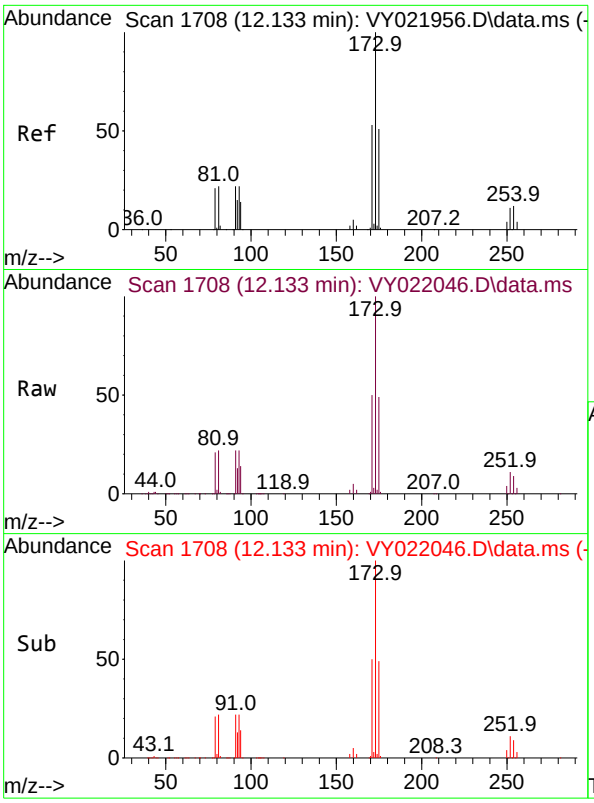


#70
Styrene
Concen: 49.256 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:104 Resp: 503254

Ion	Ratio	Lower	Upper
104	100		
78	45.2	36.6	54.8
103	53.7	43.8	65.8



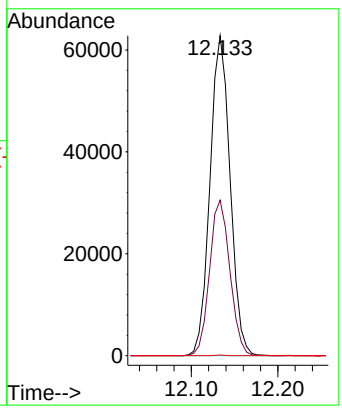


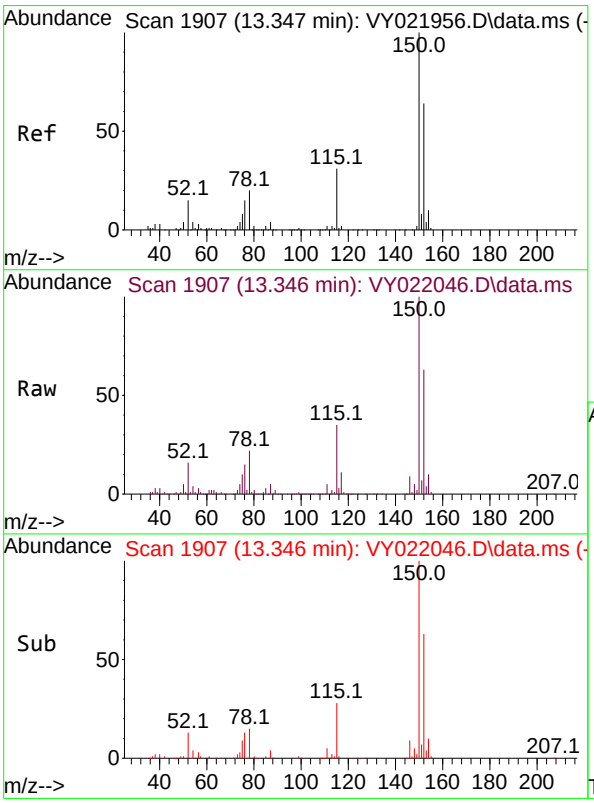
#71
Bromoform
Concen: 48.842 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 101395

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.0	0.0#

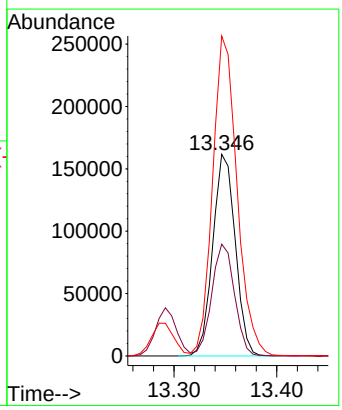


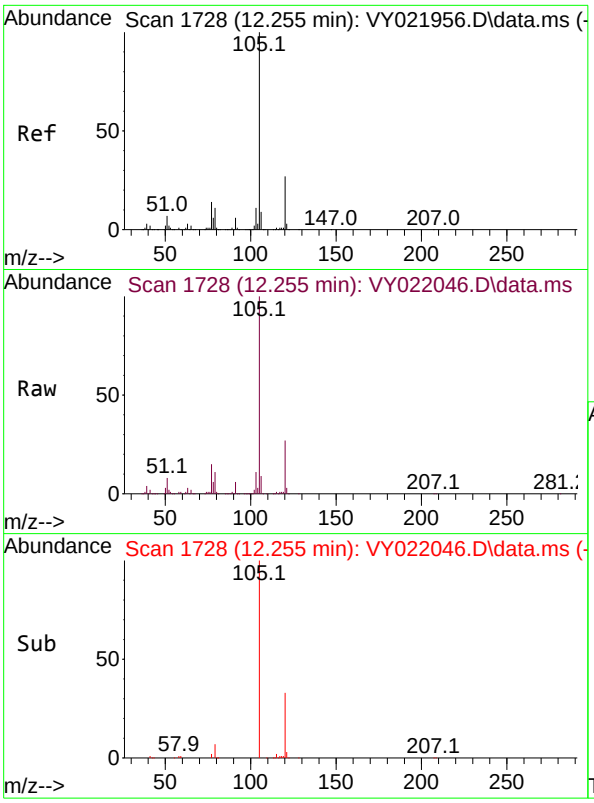


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:152 Resp: 245911

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	172.1	0.0	345.6



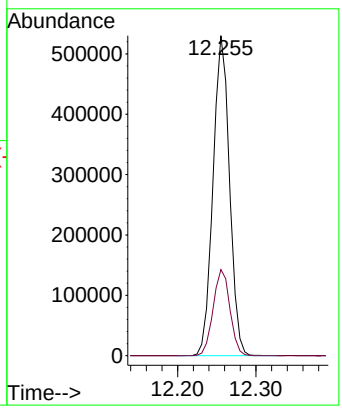


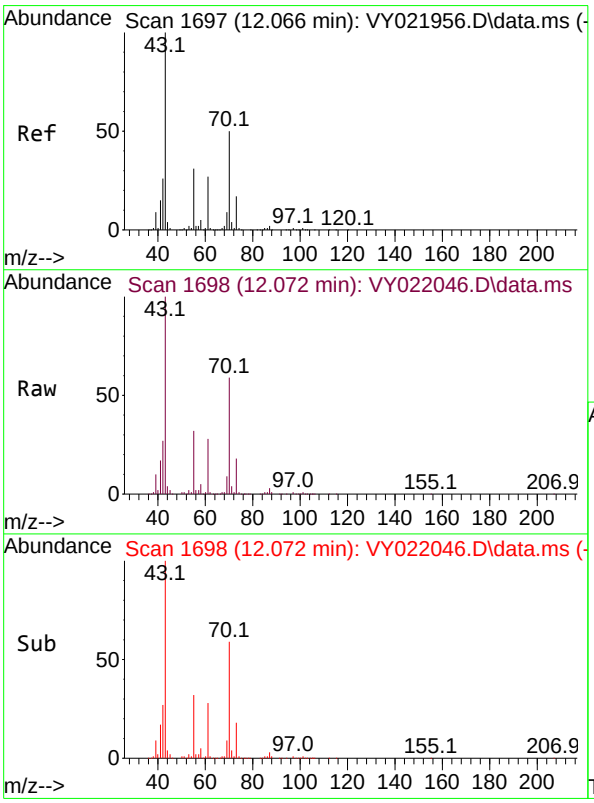
#73
Isopropylbenzene
Concen: 47.173 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 775025

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.5

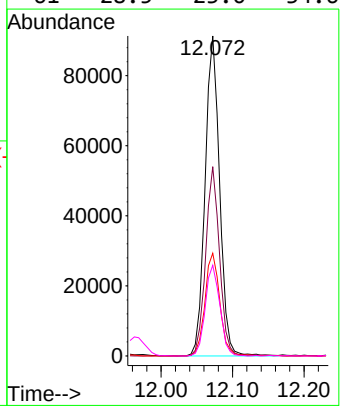


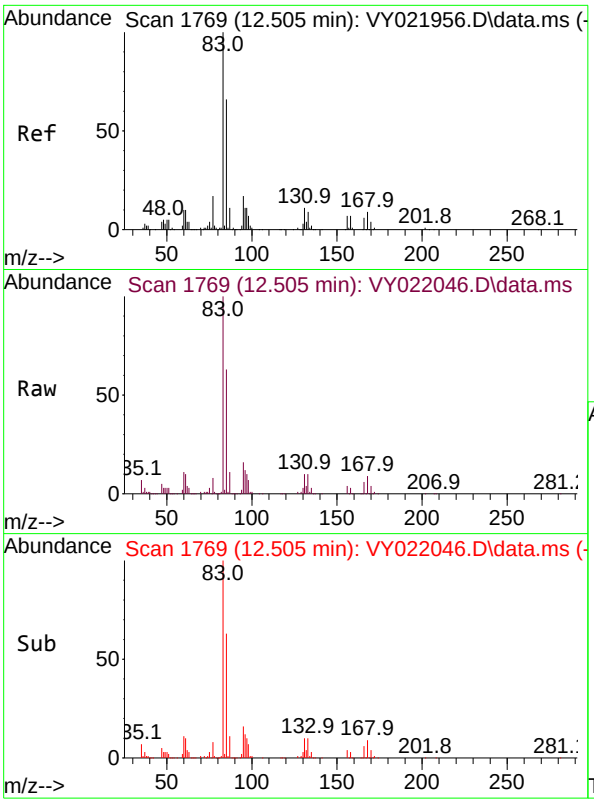


#74
N-amyl acetate
Concen: 45.674 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 43 Resp: 128926

Ion	Ratio	Lower	Upper
43	100		
70	57.0	43.2	64.8
55	33.1	25.7	38.5
61	28.5	23.0	34.6



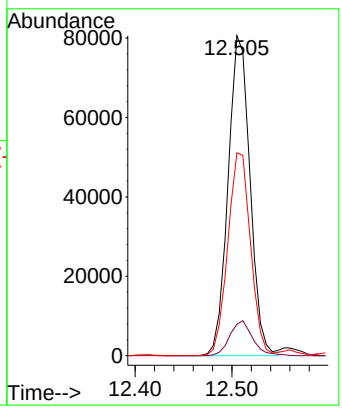


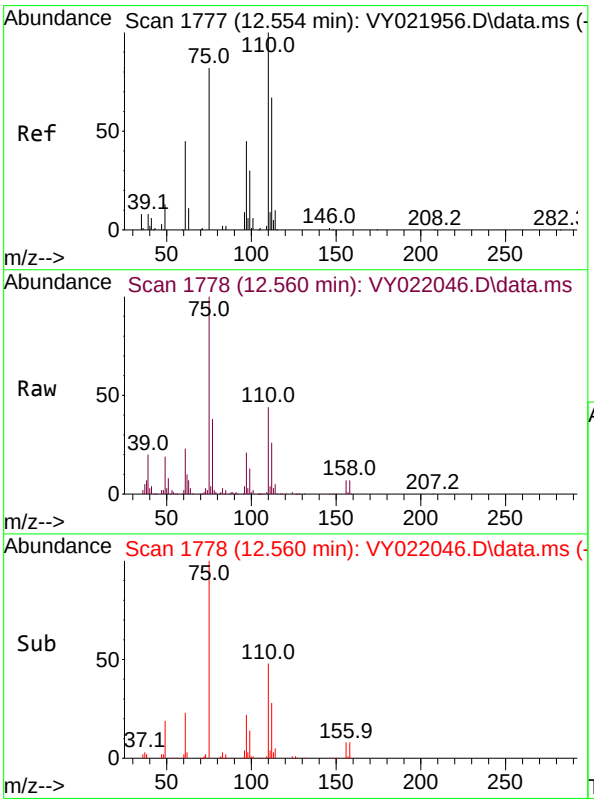
#75
1,1,2,2-Tetrachloroethane
Concen: 45.905 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 127155

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	65.6	32.3	96.8

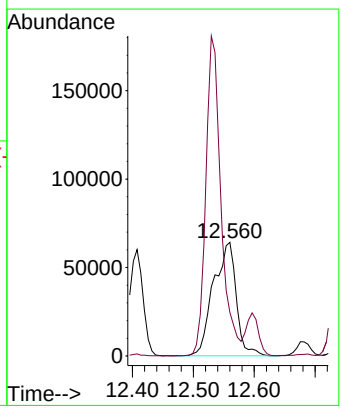


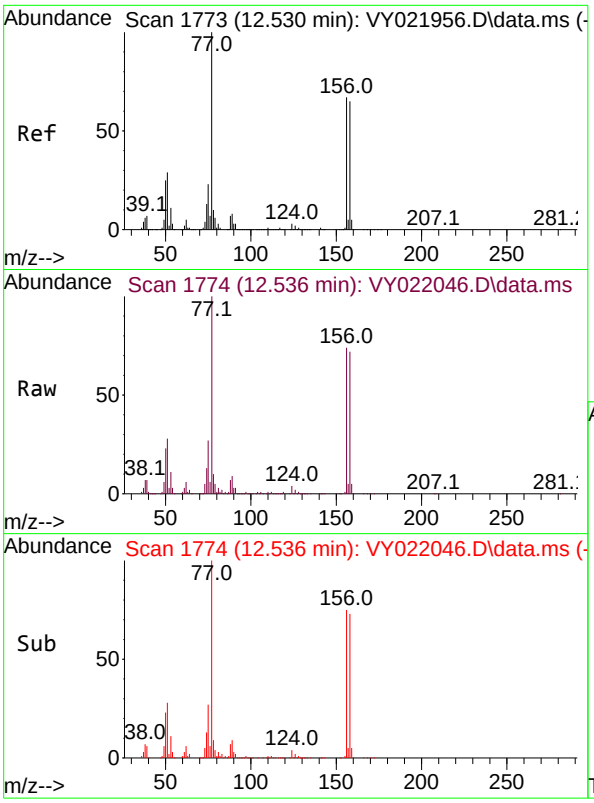


#76
1,2,3-Trichloropropane
Concen: 79.590 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 167644

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



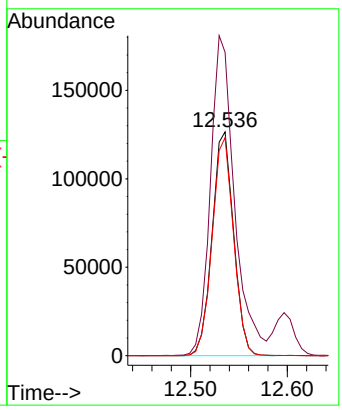


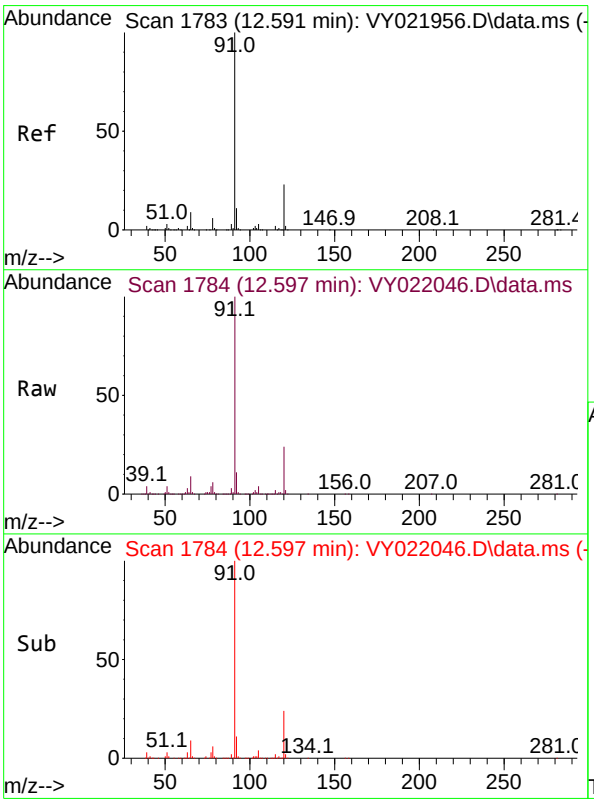
#77
Bromobenzene
Concen: 47.020 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 195202

Ion	Ratio	Lower	Upper
156	100		
77	161.0	82.7	248.1
158	97.1	48.1	144.4

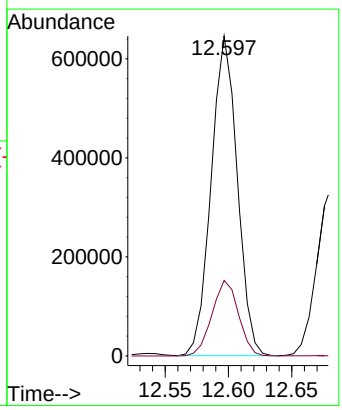


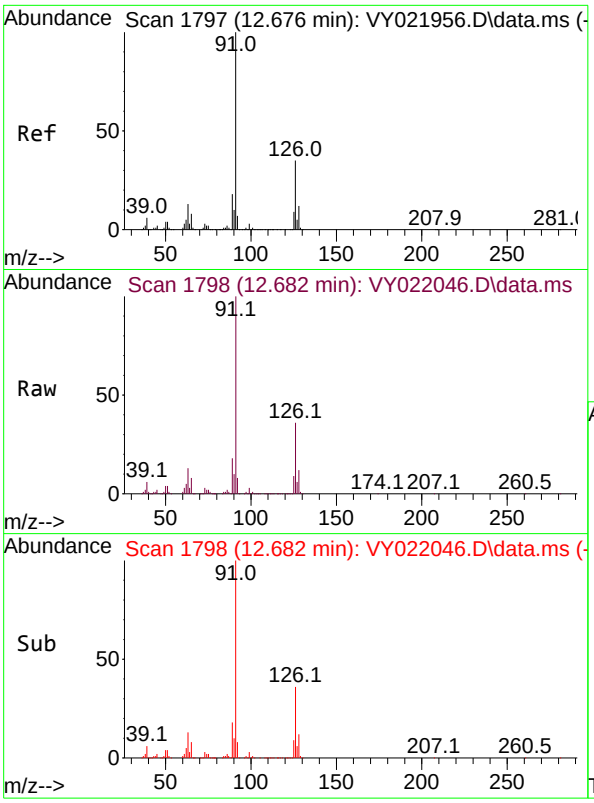


#78
n-propylbenzene
Concen: 47.296 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 925377

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5



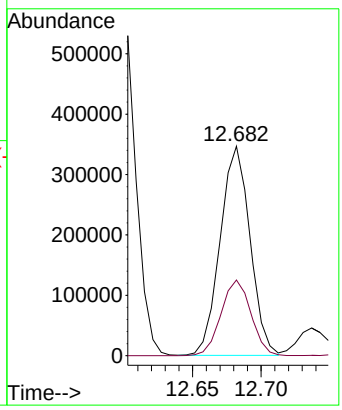


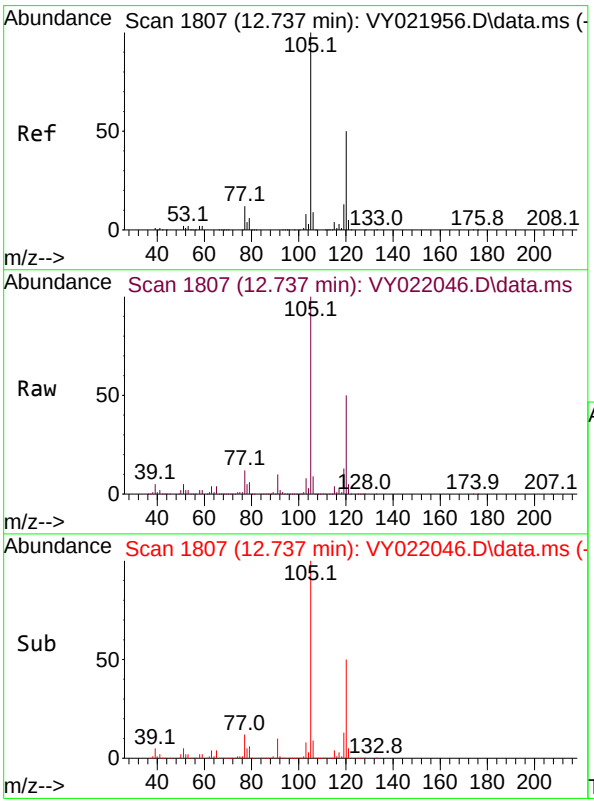
#79
2-Chlorotoluene
Concen: 46.226 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 525989

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8

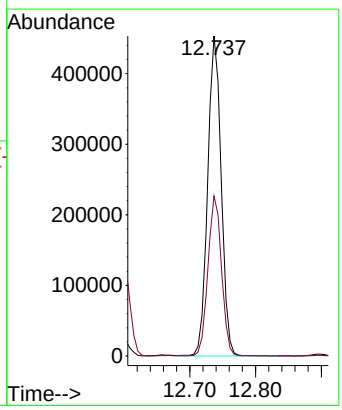


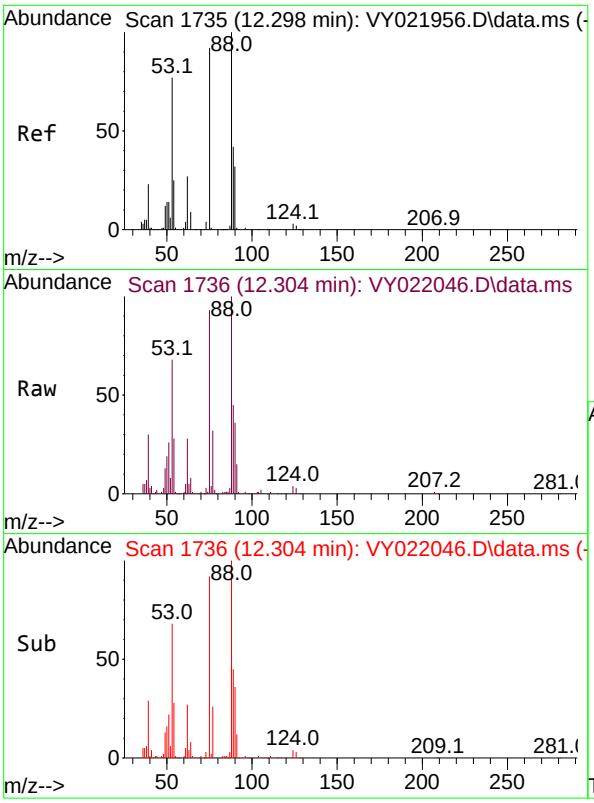


#80
1,3,5-Trimethylbenzene
Concen: 47.830 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:105 Resp: 647472

Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.0	75.0



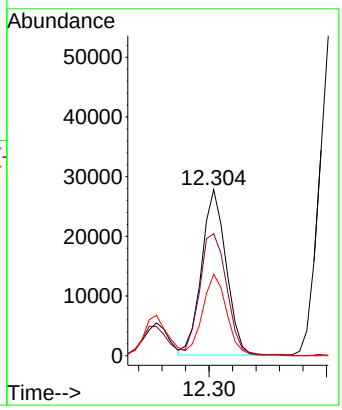


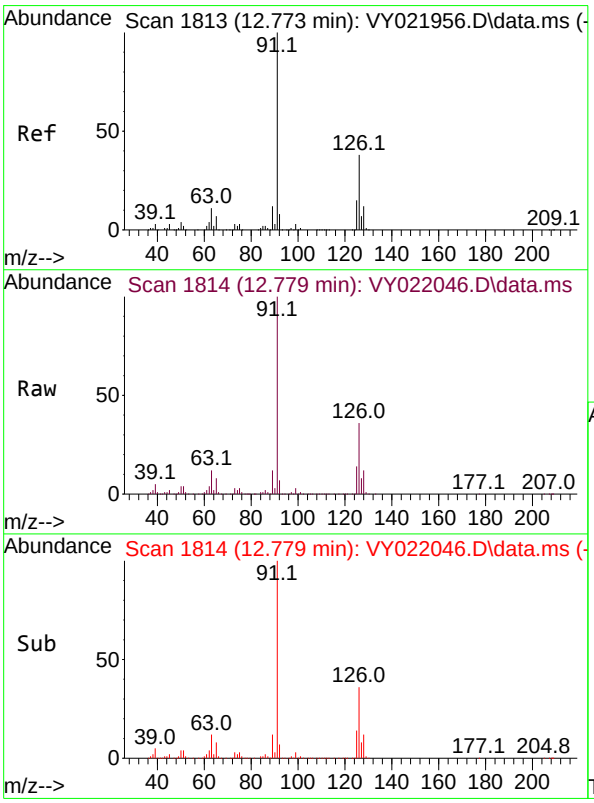
#81
trans-1,4-Dichloro-2-butene
Concen: 45.956 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 40197

Ion	Ratio	Lower	Upper
75	100		
53	82.4	66.0	99.0
89	48.3	37.2	55.8

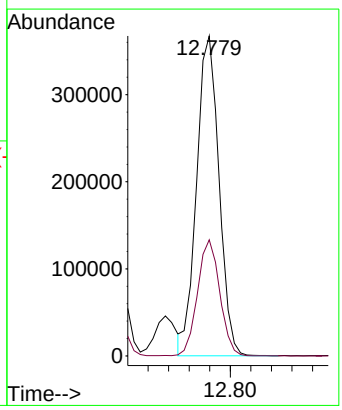


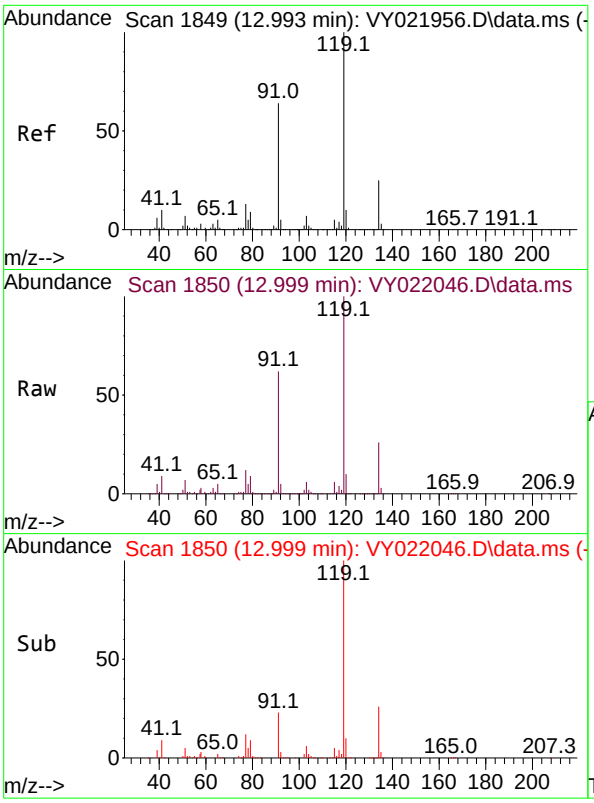


#82
4-Chlorotoluene
Concen: 46.986 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 91 Resp: 555774

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8



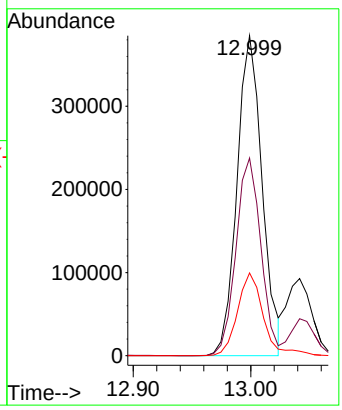


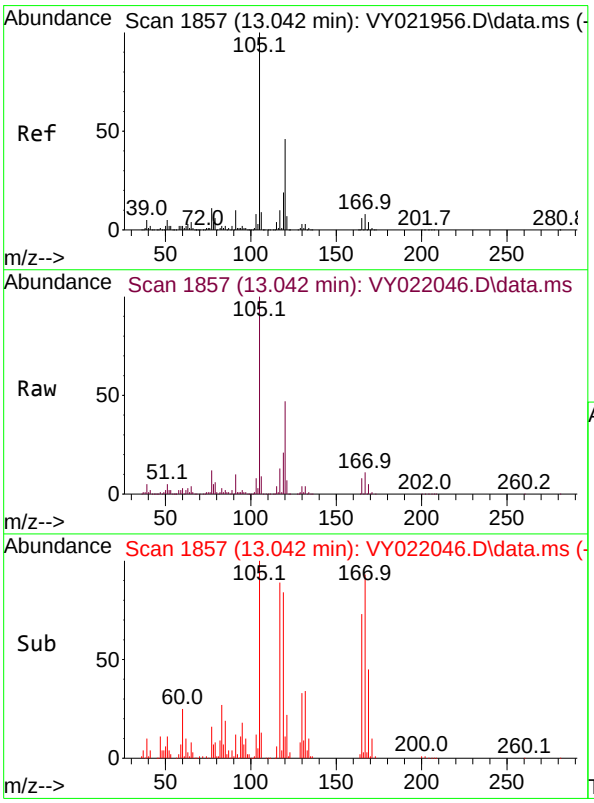
#83
tert-Butylbenzene
Concen: 47.269 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 573871

Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.3	90.9
134	26.6	12.9	38.7

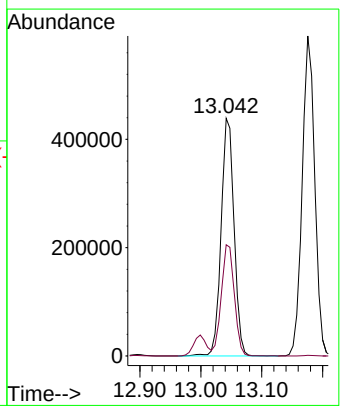


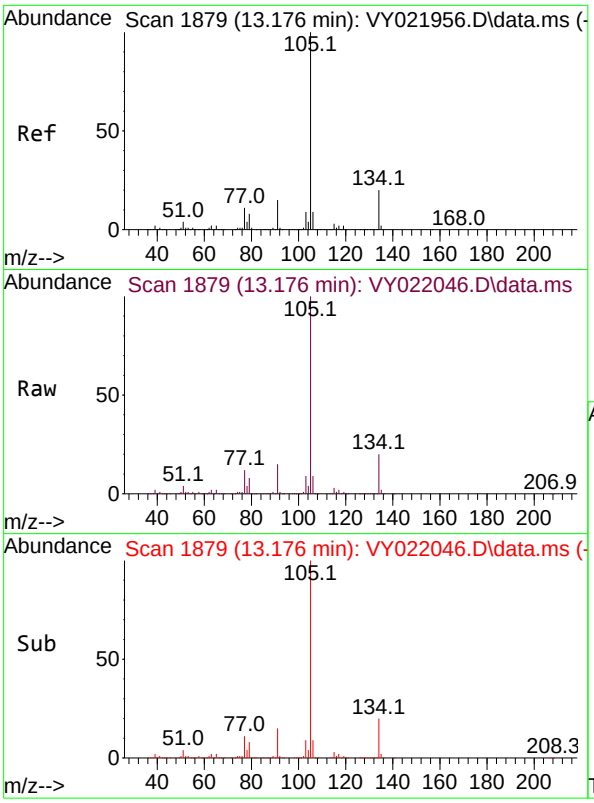


#84
1,2,4-Trimethylbenzene
Concen: 47.887 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:105 Resp: 648390

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.0



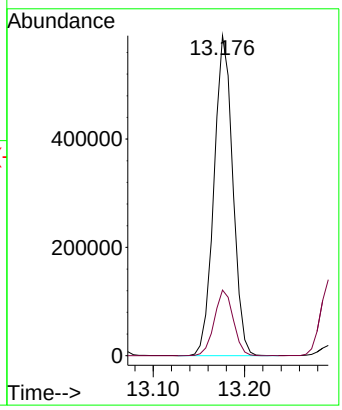


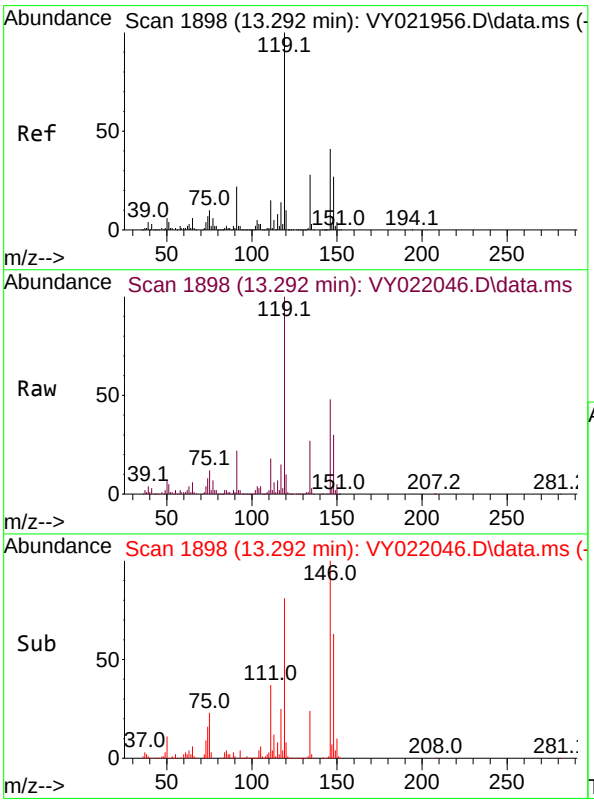
#85
sec-Butylbenzene
Concen: 47.496 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 843779

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

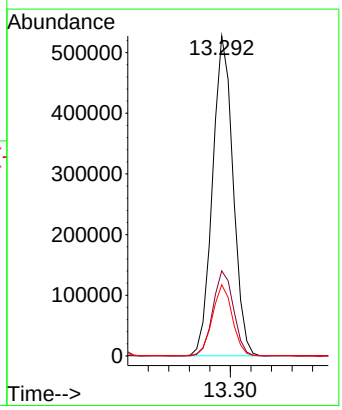


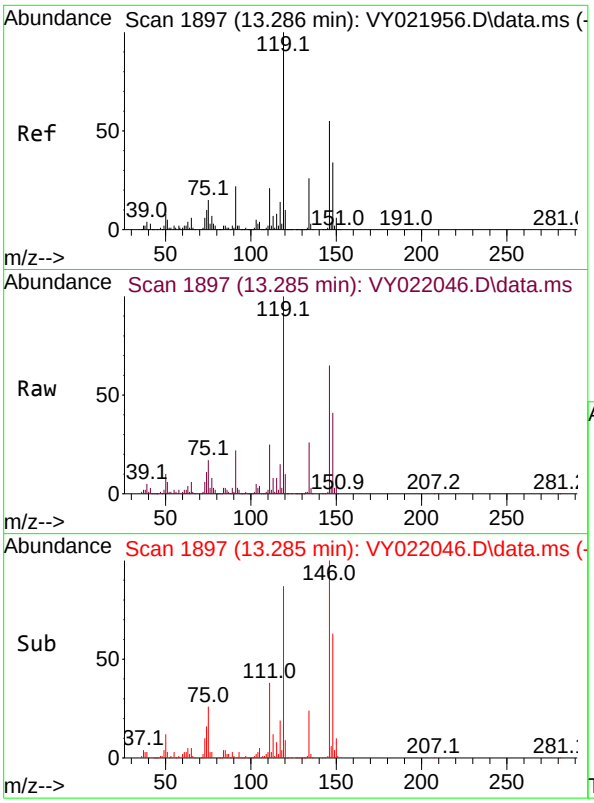


#86
p-Isopropyltoluene
Concen: 48.314 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:119 Resp: 728842

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	21.6	11.0	33.0



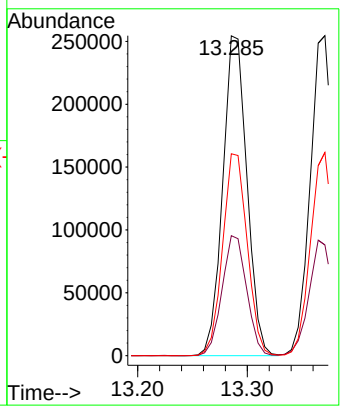


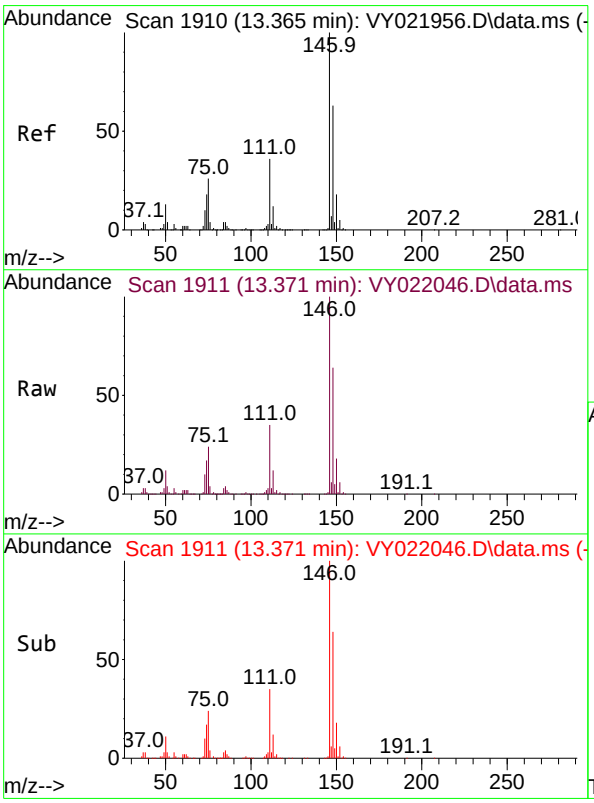
#87
1,3-Dichlorobenzene
Concen: 46.325 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 390607

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	64.1	32.0	96.2

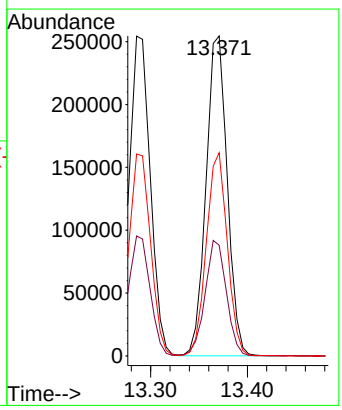


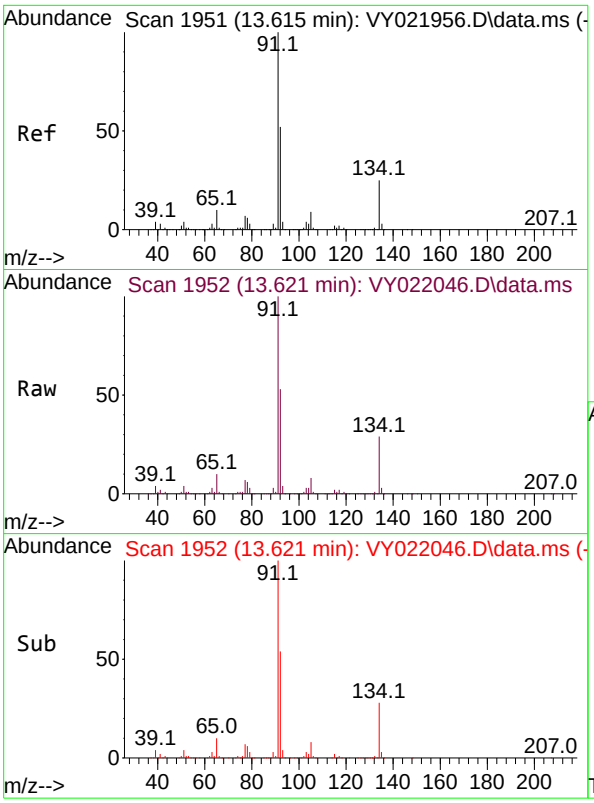


#88
1,4-Dichlorobenzene
Concen: 46.327 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:146 Resp: 386869

Ion	Ratio	Lower	Upper
146	100		
111	36.3	19.2	57.6
148	63.1	32.0	96.0



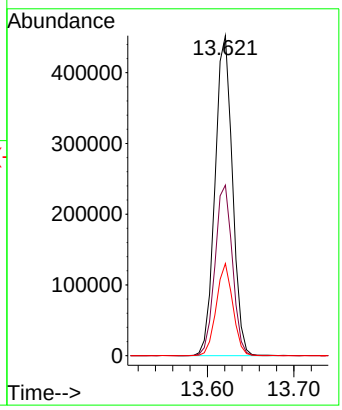


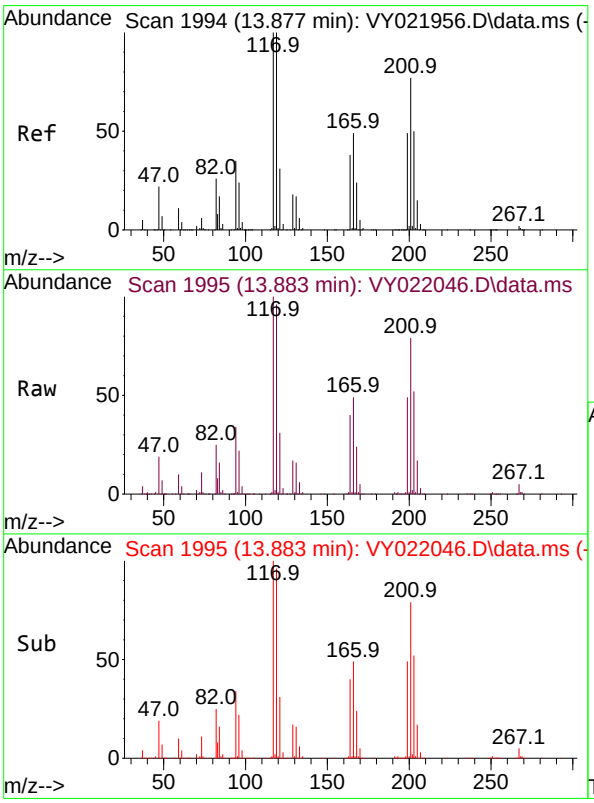
#89
n-Butylbenzene
Concen: 46.748 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 630349

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.5
134	27.5	13.4	40.1

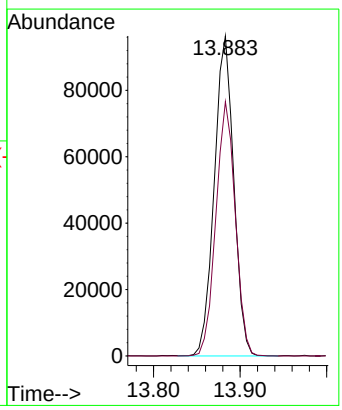


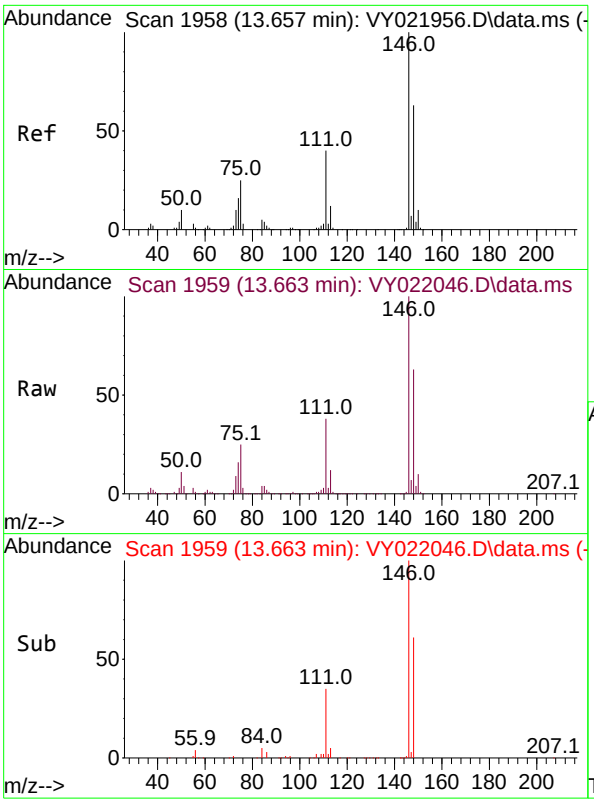


#90
Hexachloroethane
Concen: 45.482 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:117 Resp: 150746

Ion	Ratio	Lower	Upper
117	100		
201	79.0	38.7	116.1



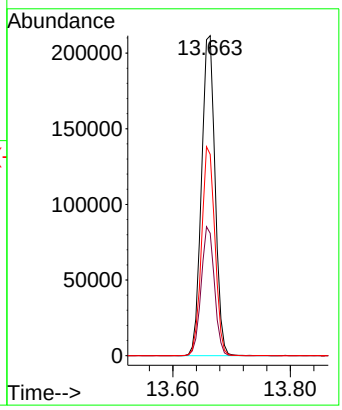


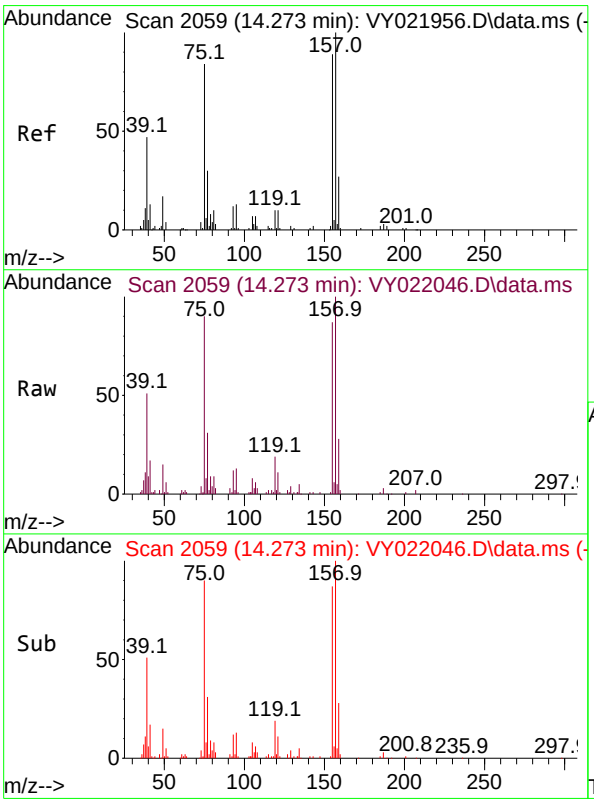
#91
1,2-Dichlorobenzene
Concen: 46.013 ug/l
RT: 13.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 338387

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.2	32.1	96.3

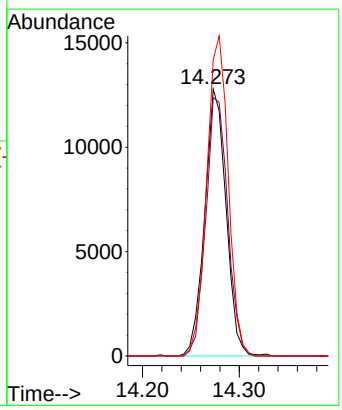


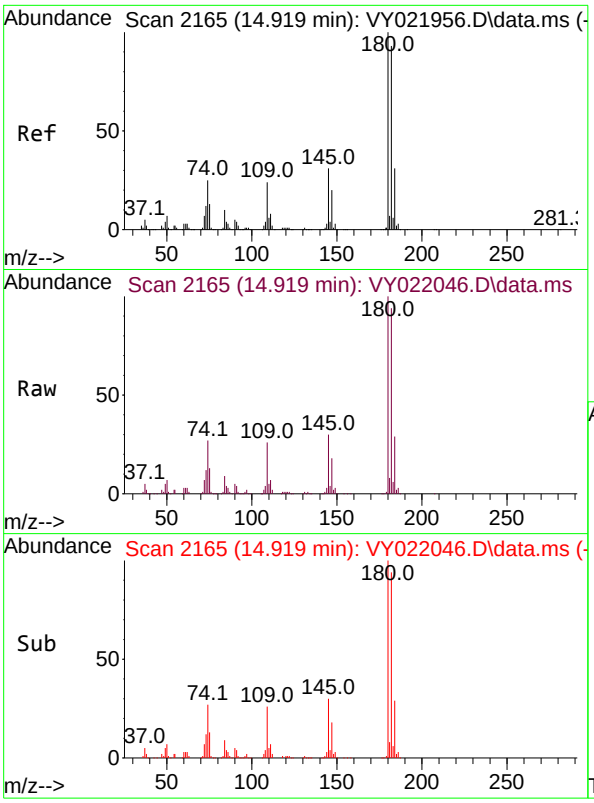


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.539 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion: 75 Resp: 19628

Ion	Ratio	Lower	Upper
75	100		
155	99.1	50.7	152.3
157	120.9	62.6	187.8



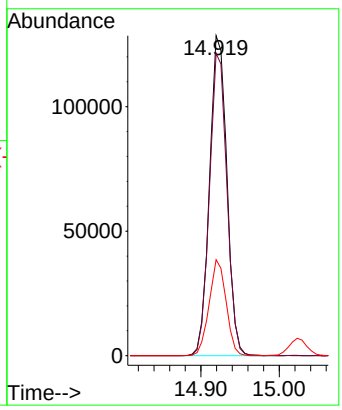


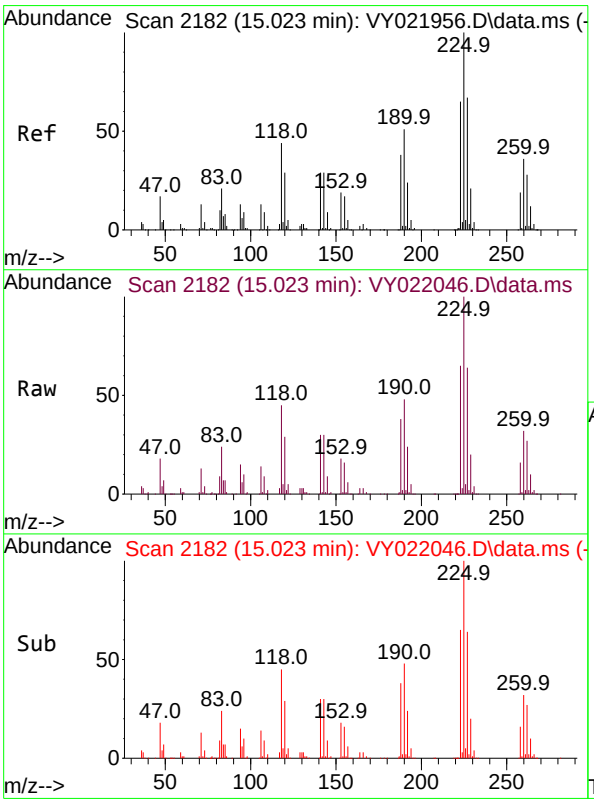
#93
1,2,4-Trichlorobenzene
Concen: 47.361 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 197372

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.1	141.4
145	29.4	15.0	45.0

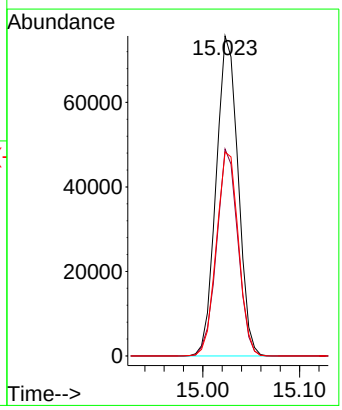


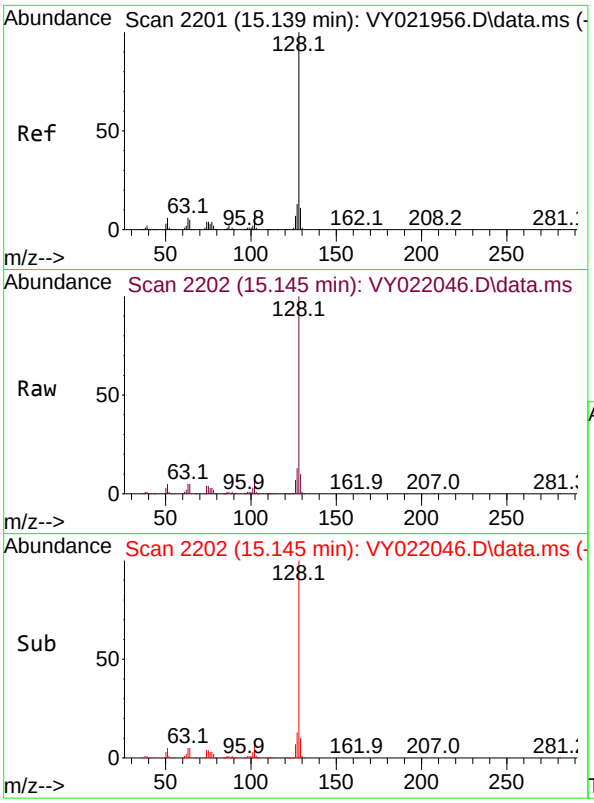


#94
Hexachlorobutadiene
Concen: 46.396 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:225 Resp: 118961

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	64.3	32.3	96.9



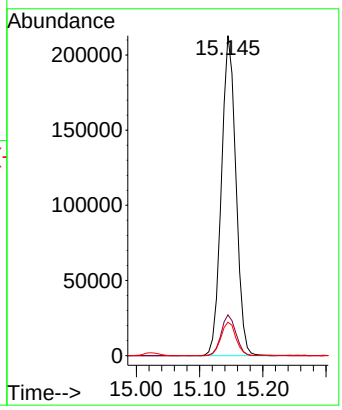


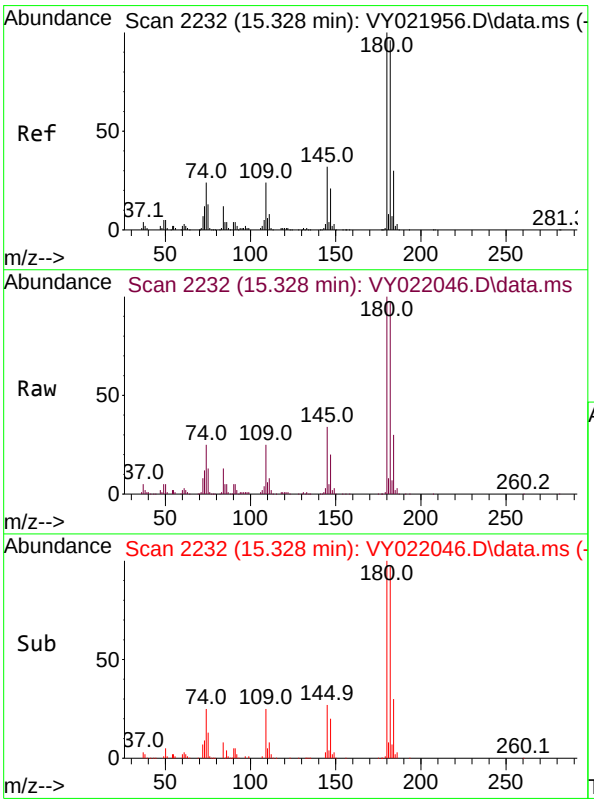
#95
Naphthalene
Concen: 48.746 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 337462

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.9	13.3

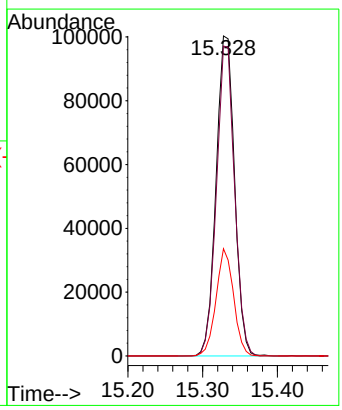




#96
1,2,3-Trichlorobenzene
Concen: 47.880 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022046.D
Acq: 29 Apr 2025 09:28

Tgt Ion:180 Resp: 172242

Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.4
145	31.9	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	295160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	411306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	220609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131819	48.350	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.700%			
35) Dibromofluoromethane	7.634	113	150994	50.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.340%			
50) Toluene-d8	10.103	98	577886	50.927	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.860%			
62) 4-Bromofluorobenzene	12.408	95	189577	49.628	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	48376	19.235	ug/l	98
3) Chloromethane	2.068	50	72643	20.285	ug/l	99
4) Vinyl Chloride	2.202	62	83728	19.026	ug/l	98
5) Bromomethane	2.592	94	73982	19.513	ug/l	93
6) Chloroethane	2.733	64	56577	18.877	ug/l	94
7) Trichlorofluoromethane	3.056	101	112658	19.414	ug/l	99
8) Diethyl Ether	3.452	74	28383	18.792	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	61809	19.635	ug/l	98
10) Methyl Iodide	4.001	142	67410	18.495	ug/l	99
11) Tert butyl alcohol	4.879	59	13239	88.452	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	58076	19.793	ug/l	97
13) Acrolein	3.659	56	23798	88.588	ug/l	98
14) Allyl chloride	4.385	41	64847	18.980	ug/l	99
15) Acrylonitrile	5.061	53	51099	92.413	ug/l	98
16) Acetone	3.873	43	36017	87.002	ug/l	92
17) Carbon Disulfide	4.104	76	183149	19.576	ug/l	100
18) Methyl Acetate	4.385	43	26368	20.705	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	120380	18.330	ug/l	95
20) Methylene Chloride	4.610	84	64582	18.734	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64140	19.519	ug/l	97
22) Diisopropyl ether	6.019	45	149424	19.653	ug/l	97
23) Vinyl Acetate	5.958	43	373500	91.151	ug/l	99
24) 1,1-Dichloroethane	5.915	63	101522	19.263	ug/l	98
25) 2-Butanone	6.897	43	54911	88.358	ug/l	97
26) 2,2-Dichloropropane	6.884	77	91600	19.830	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	72039	19.606	ug/l	98
28) Bromochloromethane	7.244	49	39029	19.066	ug/l	98
29) Tetrahydrofuran	7.262	42	35848	88.815	ug/l	99
30) Chloroform	7.421	83	117036	20.020	ug/l	97
31) Cyclohexane	7.701	56	84220	18.687	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	105143	19.880	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79075	19.558	ug/l	99
37) Ethyl Acetate	6.982	43	26628	18.338	ug/l	98
38) Carbon Tetrachloride	7.817	117	98218	20.330	ug/l	99
39) Methylcyclohexane	9.110	83	92537	18.187	ug/l	94
40) Benzene	8.079	78	254772	20.158	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	12949	16.313 ug/l #	87
42) 1,2-Dichloroethane	8.158	62	62360	19.929 ug/l	99
43) Isopropyl Acetate	8.195	43	50732	18.193 ug/l	98
44) Trichloroethene	8.866	130	71028	20.290 ug/l	95
45) 1,2-Dichloropropane	9.140	63	56441	20.194 ug/l	98
46) Dibromomethane	9.231	93	34280	19.593 ug/l	98
47) Bromodichloromethane	9.420	83	87710	20.067 ug/l	100
48) Methyl methacrylate	9.219	41	22602	17.533 ug/l	93
49) 1,4-Dioxane	9.225	88	6627	355.374 ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	133241	91.148 ug/l	100
52) Toluene	10.170	92	164777	20.141 ug/l	100
53) t-1,3-Dichloropropene	10.390	75	71271	19.011 ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	85968	19.290 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	47069	20.140 ug/l	98
56) Ethyl methacrylate	10.439	69	47072	17.613 ug/l	97
57) 1,3-Dichloropropane	10.719	76	74505	19.886 ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	119153	91.185 ug/l	98
59) 2-Hexanone	10.762	43	83877	86.992 ug/l	98
60) Dibromochloromethane	10.908	129	64371	19.894 ug/l	98
61) 1,2-Dibromoethane	11.018	107	43629	19.774 ug/l	100
64) Tetrachloroethene	10.646	164	81253	20.941 ug/l	98
65) Chlorobenzene	11.444	112	182043	19.792 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	64950	20.058 ug/l	98
67) Ethyl Benzene	11.518	91	292538	19.443 ug/l	99
68) m/p-Xylenes	11.627	106	240556	40.178 ug/l	100
69) o-Xylene	11.957	106	105800	19.172 ug/l	99
70) Styrene	11.969	104	183180	19.770 ug/l	100
71) Bromoform	12.133	173	36552	19.415 ug/l #	100
73) Isopropylbenzene	12.255	105	281901	19.126 ug/l	99
74) N-amyl acetate	12.072	43	42199	16.664 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	47578	19.146 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	62019	32.821 ug/l #	100
77) Bromobenzene	12.530	156	73239	19.665 ug/l	99
78) n-propylbenzene	12.597	91	344311	19.616 ug/l	100
79) 2-Chlorotoluene	12.682	91	200069	19.600 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	237244	19.536 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14562	18.558 ug/l	97
82) 4-Chlorotoluene	12.780	91	210828	19.868 ug/l	98
83) tert-Butylbenzene	12.999	119	206168	18.929 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	238254	19.614 ug/l	99
85) sec-Butylbenzene	13.176	105	311925	19.572 ug/l	100
86) p-Isopropyltoluene	13.292	119	262713	19.412 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	148080	19.576 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	145893	19.474 ug/l	99
89) n-Butylbenzene	13.621	91	220728	18.247 ug/l	99
90) Hexachloroethane	13.877	117	58056	19.525 ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	128956	19.546 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6879	17.400 ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	68247	18.255 ug/l	99
94) Hexachlorobutadiene	15.023	225	43083	18.730 ug/l	99
95) Naphthalene	15.145	128	99146	15.964 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	59189	18.341 ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

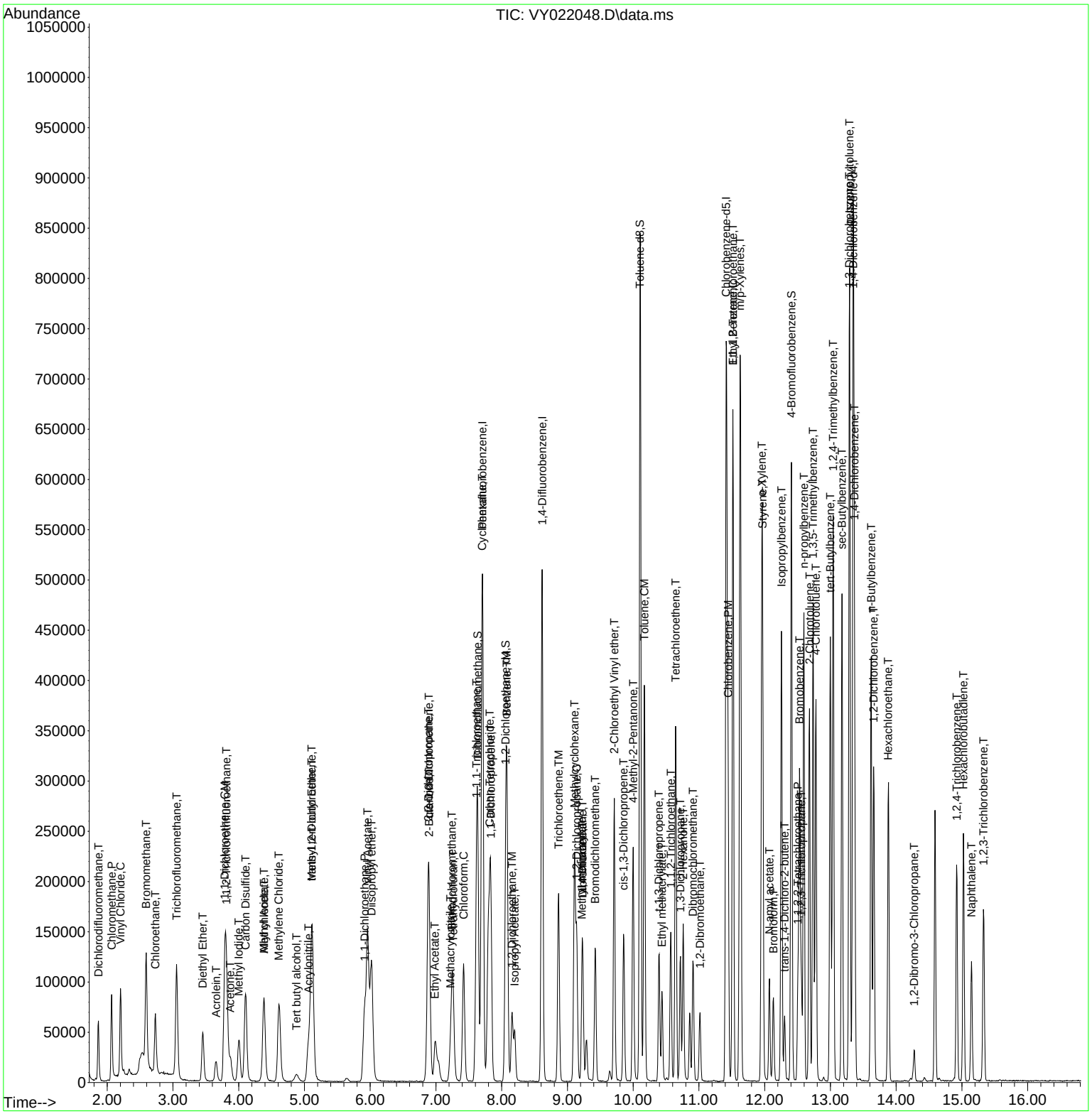
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

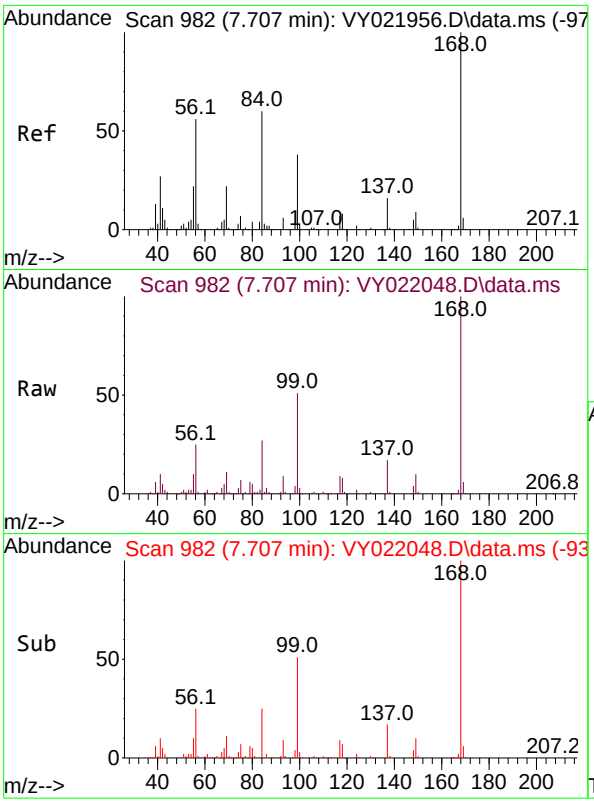
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022048.D
Acq On : 29 Apr 2025 10:31
Operator : SY/MD
Sample : VY0429SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Quant Time: Apr 30 01:32:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



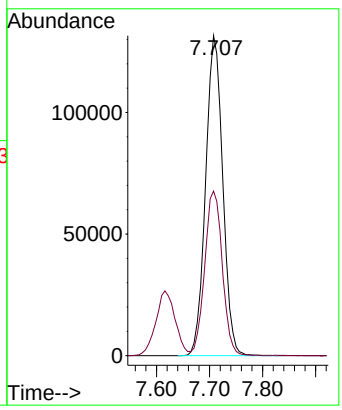


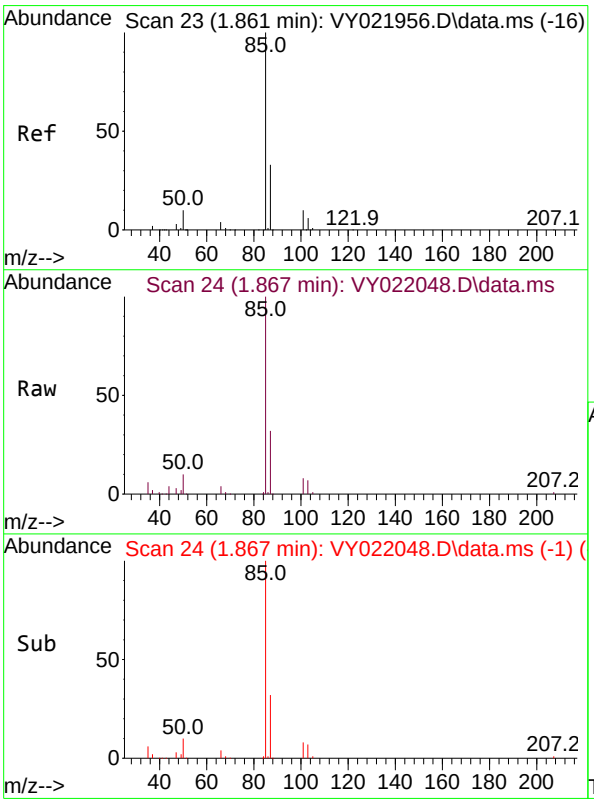
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:168 Resp: 295160

Ion	Ratio	Lower	Upper
168	100		
99	51.3	43.1	64.7

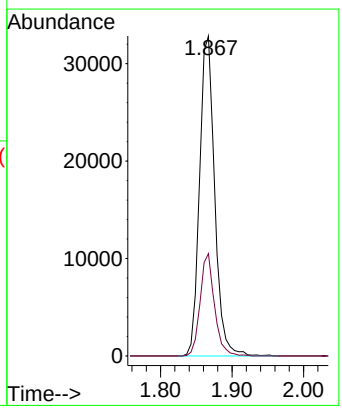


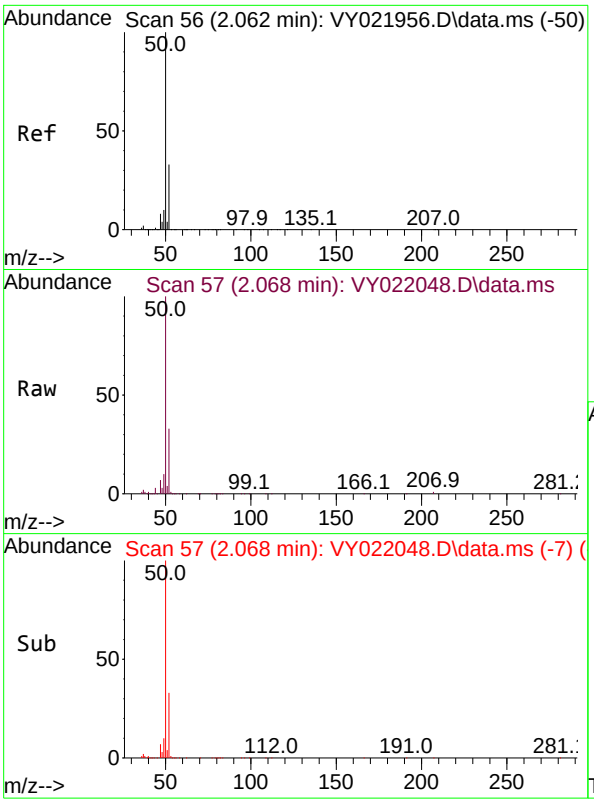


#2
Dichlorodifluoromethane
Concen: 19.235 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 85 Resp: 48376

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.6	49.7



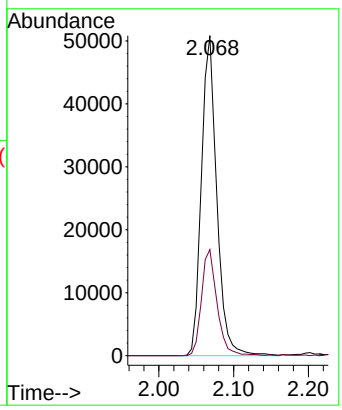


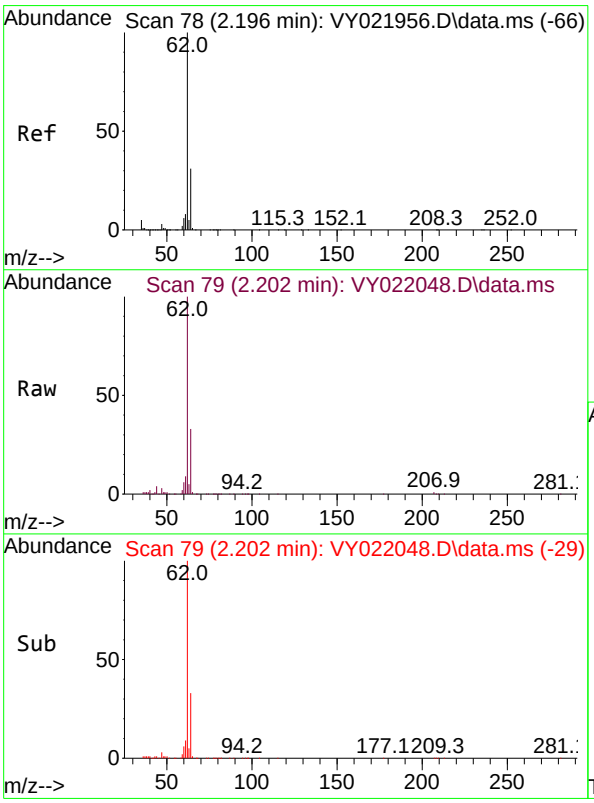
#3
Chloromethane
Concen: 20.285 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 50 Resp: 72643

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.1	39.1

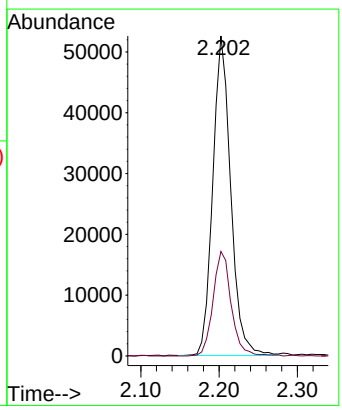


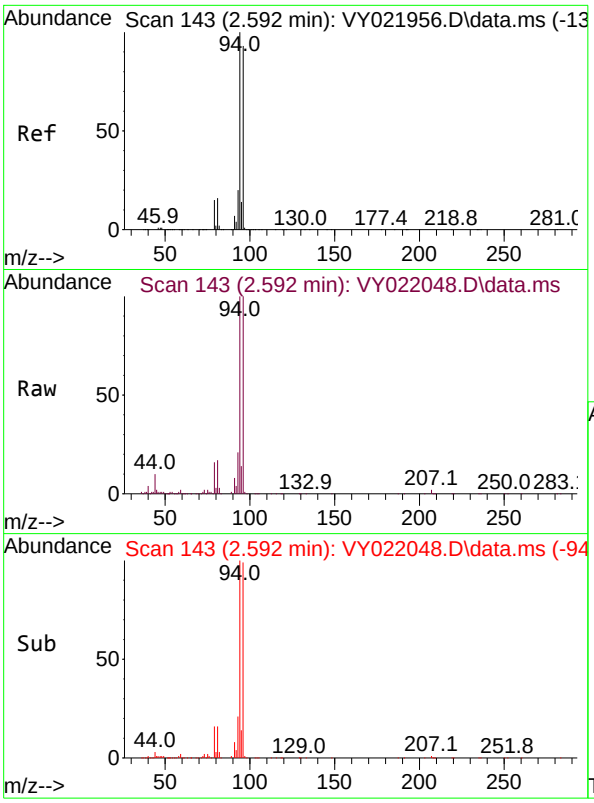


#4
Vinyl Chloride
Concen: 19.026 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 62 Resp: 83728

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.1	37.7



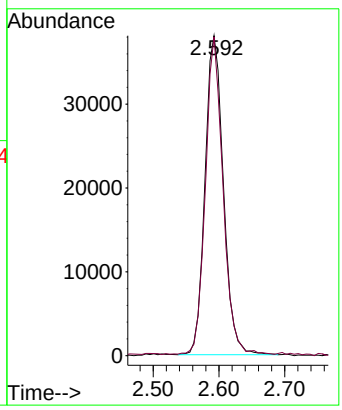


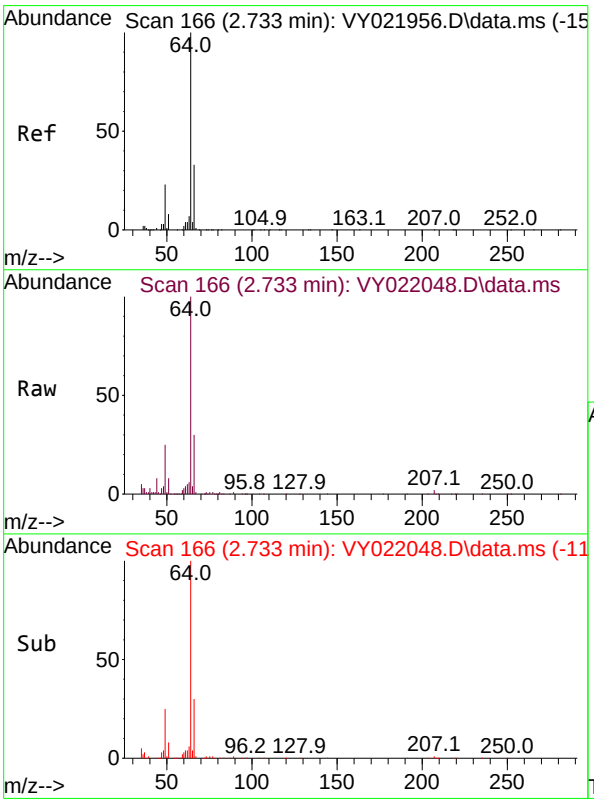
#5
Bromomethane
Concen: 19.513 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 94 Resp: 73982

Ion	Ratio	Lower	Upper
94	100		
96	99.5	74.6	111.8

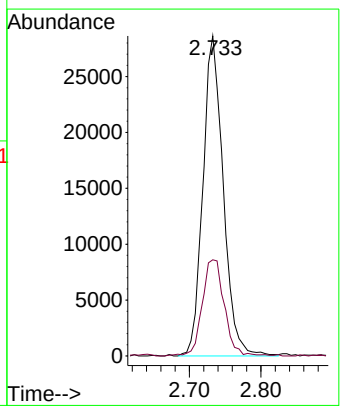


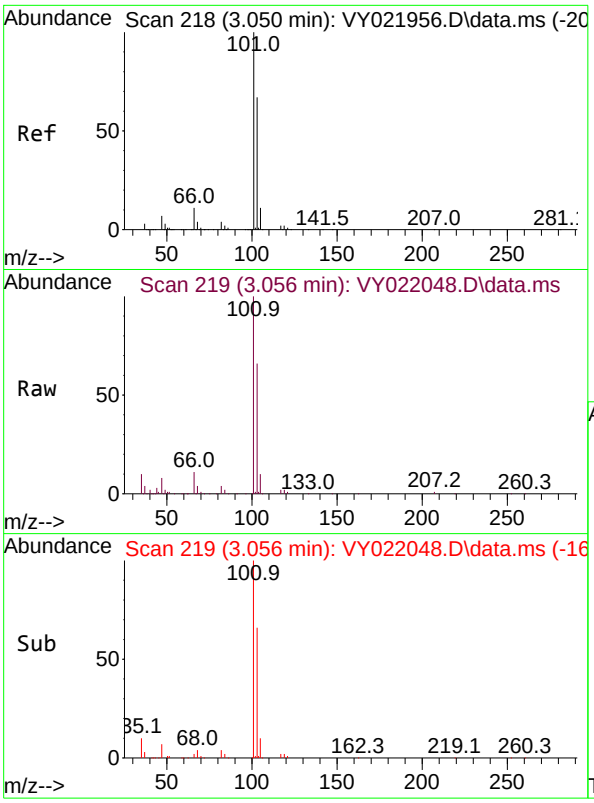


#6
Chloroethane
Concen: 18.877 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 64 Resp: 56577

Ion	Ratio	Lower	Upper
64	100		
66	29.7	26.2	39.4



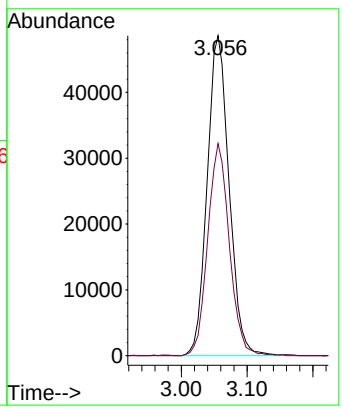


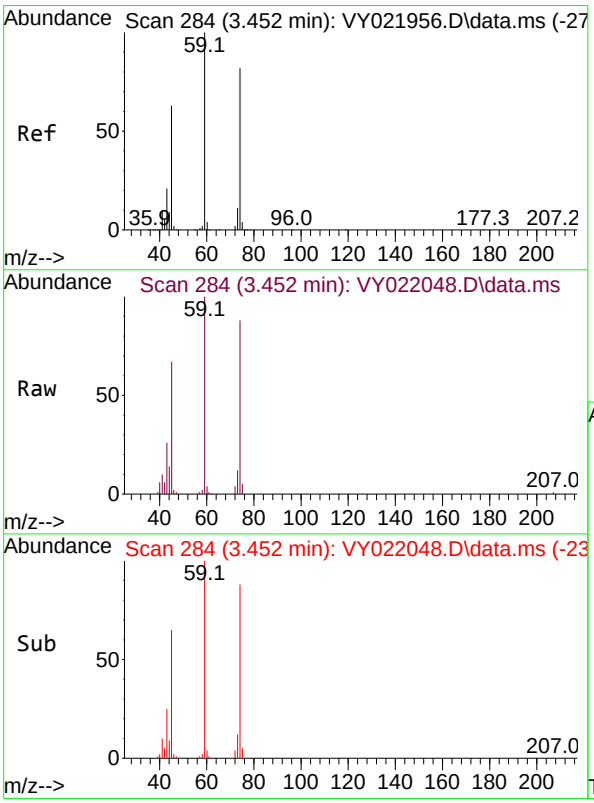
#7
Trichlorofluoromethane
Concen: 19.414 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:101 Resp: 112658

Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.6	80.4

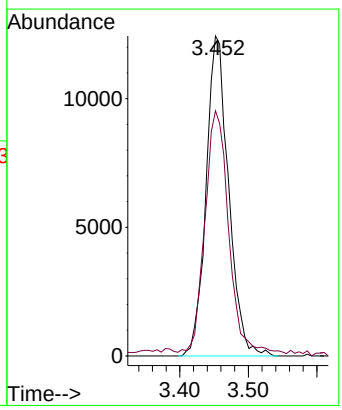


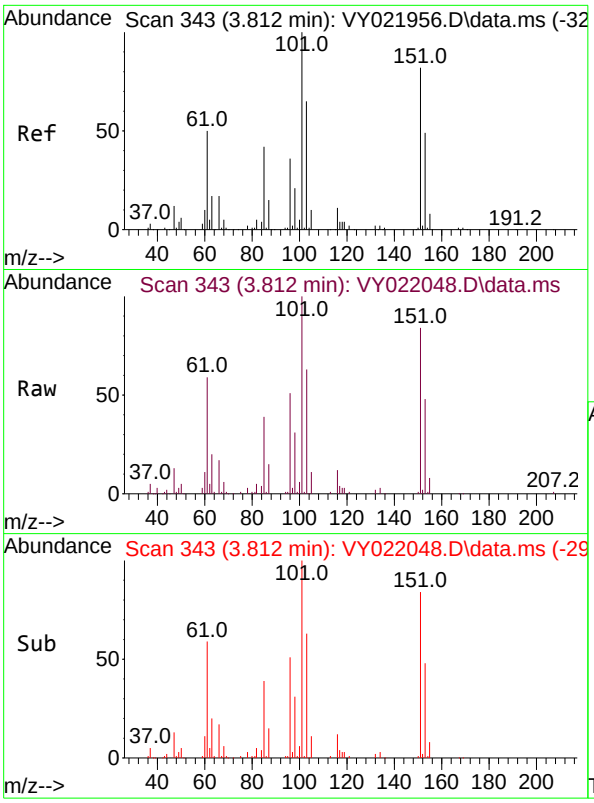


#8
Diethyl Ether
Concen: 18.792 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 74 Resp: 28383

Ion	Ratio	Lower	Upper
74	100		
45	81.1	39.1	117.5



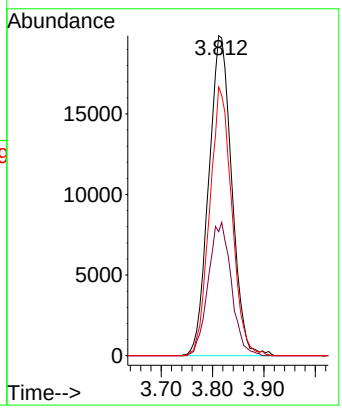


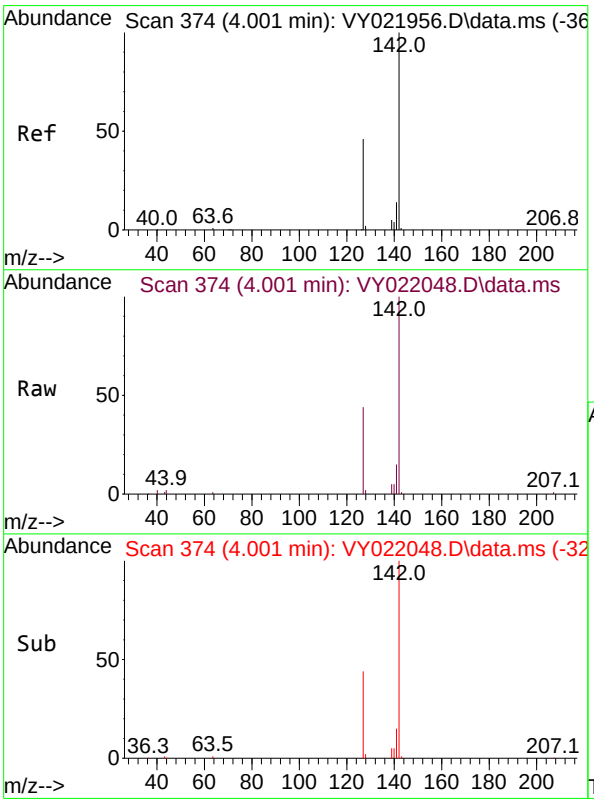
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.635 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:101 Resp: 61809

Ion	Ratio	Lower	Upper
101	100		
85	41.8	34.6	51.8
151	80.8	63.7	95.5

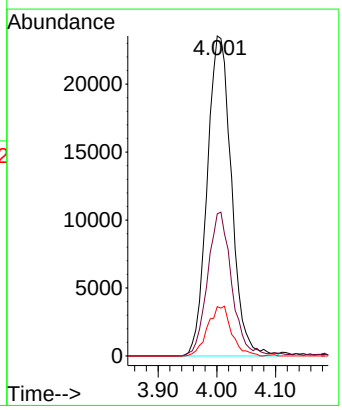


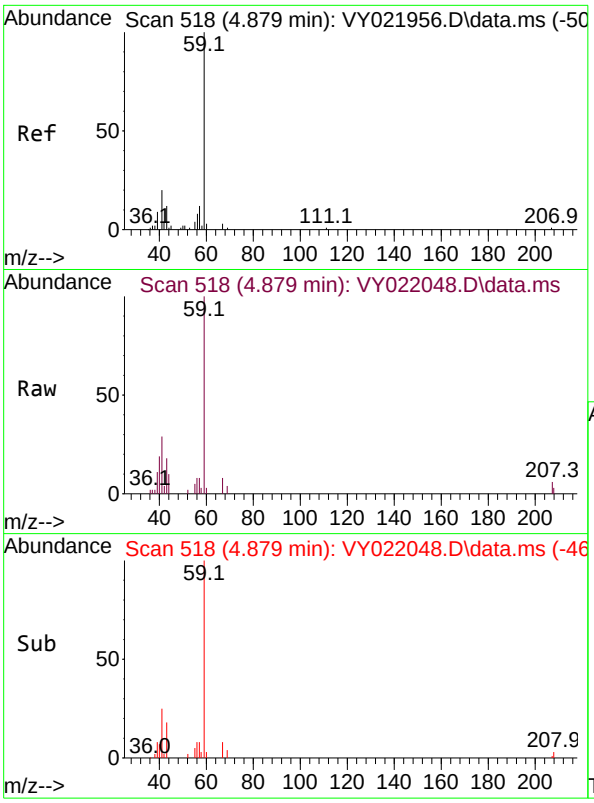


#10
Methyl Iodide
Concen: 18.495 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:142 Resp: 67410

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.2	54.2
141	15.3	11.7	17.5



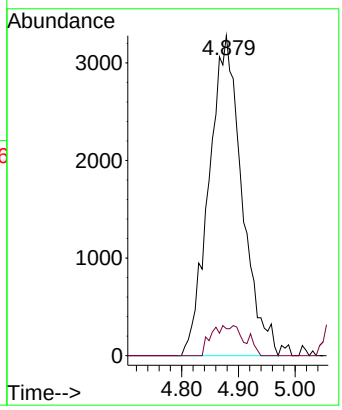


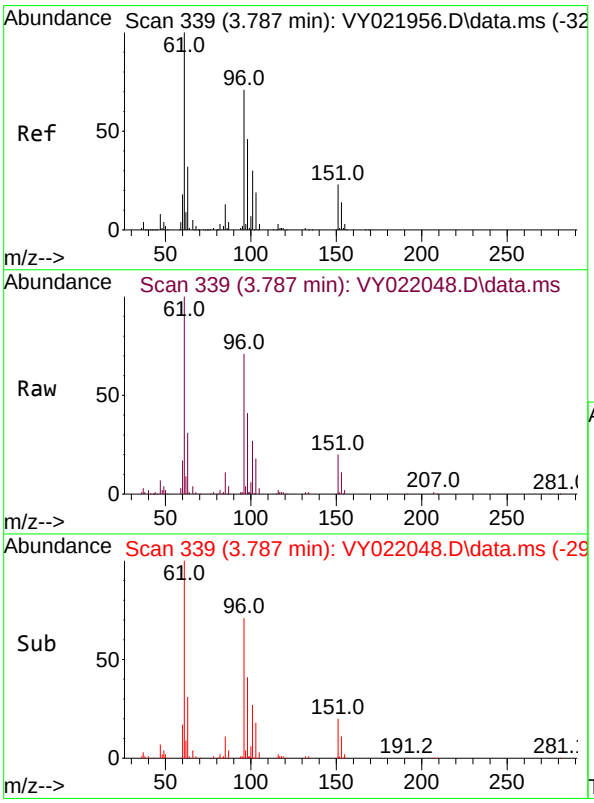
#11
Tert butyl alcohol
Concen: 88.452 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 59 Resp: 13239

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

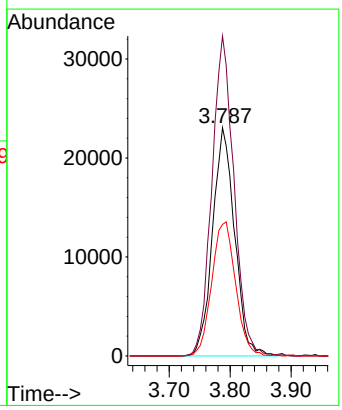


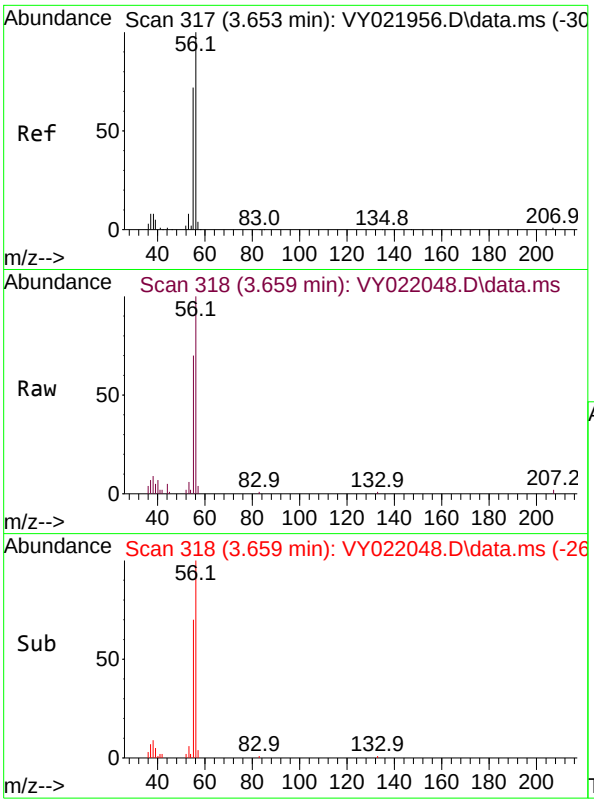


#12
1,1-Dichloroethene
Concen: 19.793 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 96 Resp: 58076

Ion	Ratio	Lower	Upper
96	100		
61	140.2	113.0	169.4
98	57.6	51.4	77.2



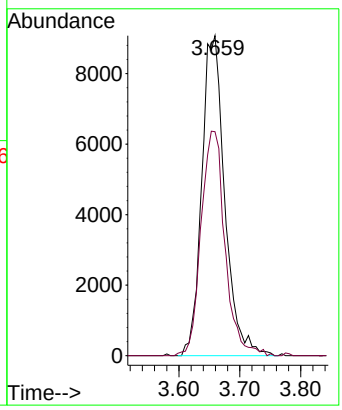


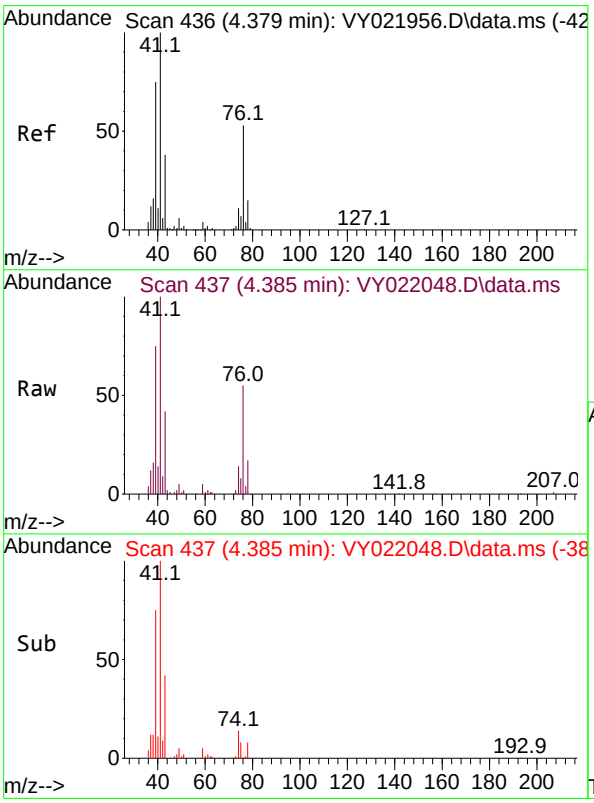
#13
Acrolein
Concen: 88.588 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 56 Resp: 23798

Ion	Ratio	Lower	Upper
56	100		
55	73.0	57.4	86.0

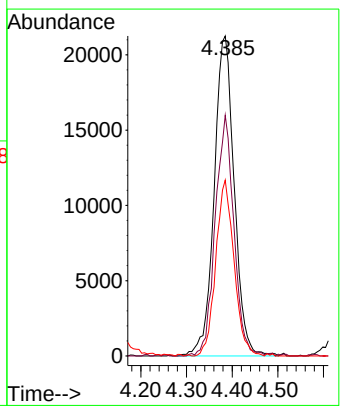


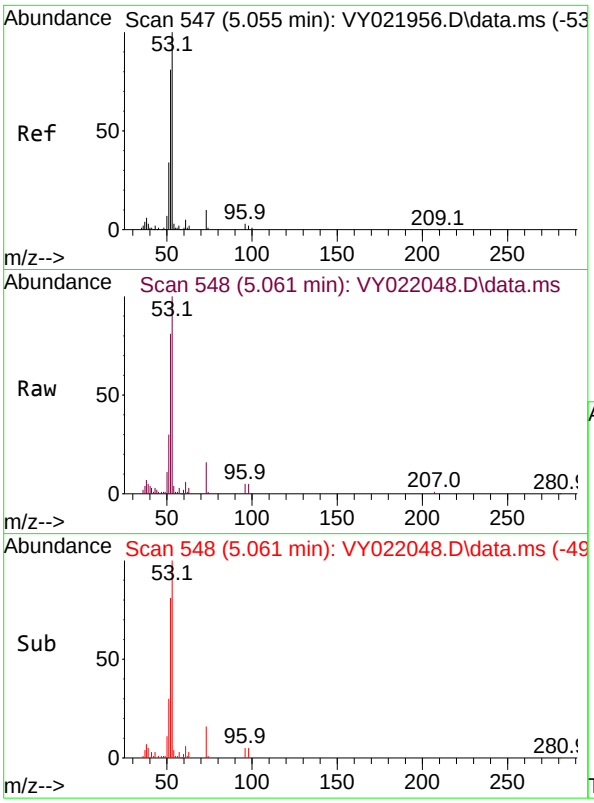


#14
Allyl chloride
Concen: 18.980 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 41 Resp: 64847

Ion	Ratio	Lower	Upper
41	100		
39	69.9	57.2	85.8
76	49.9	39.7	59.5



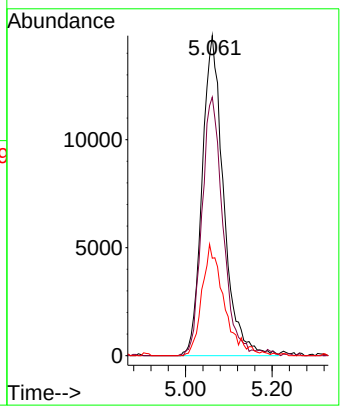


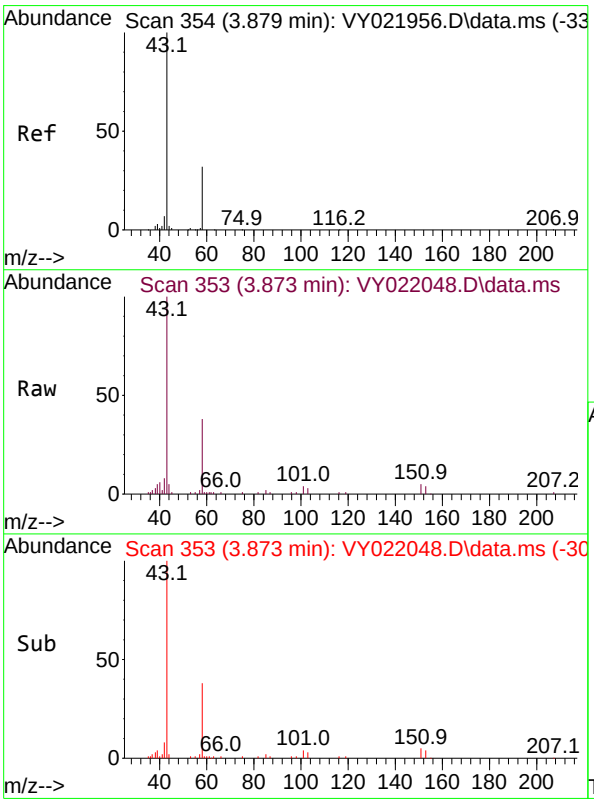
#15
Acrylonitrile
Concen: 92.413 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 53 Resp: 51099

Ion	Ratio	Lower	Upper
53	100		
52	79.3	65.0	97.6
51	35.7	28.9	43.3

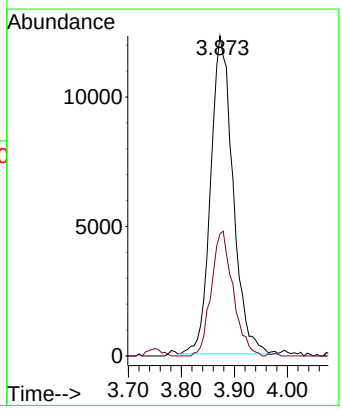


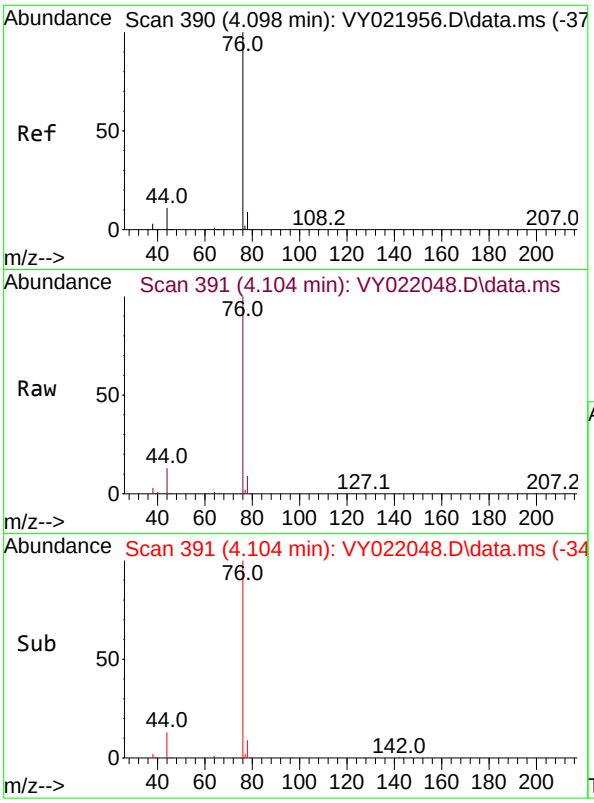


#16
Acetone
Concen: 87.002 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 36017

Ion	Ratio	Lower	Upper
43	100		
58	38.4	27.0	40.4



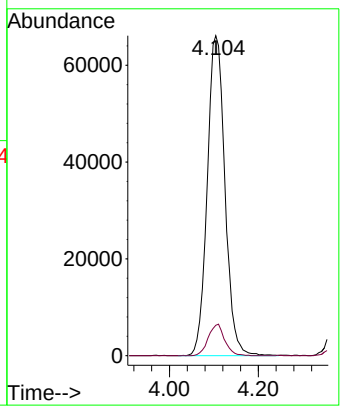


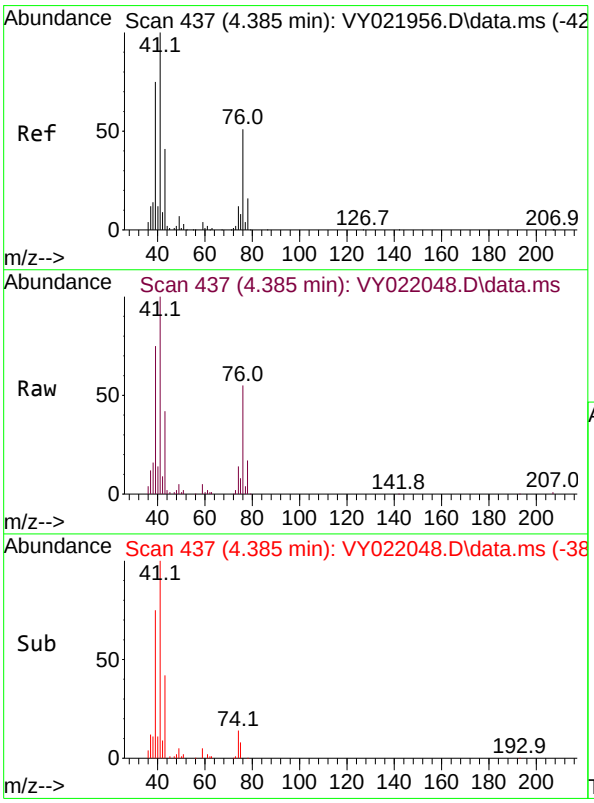
#17
Carbon Disulfide
Concen: 19.576 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 76 Resp: 183149

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

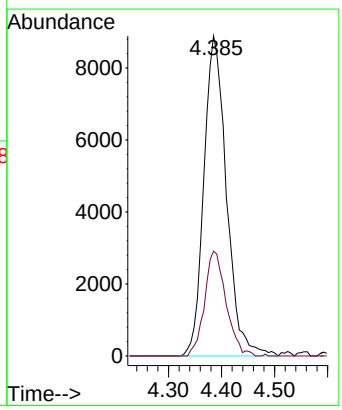


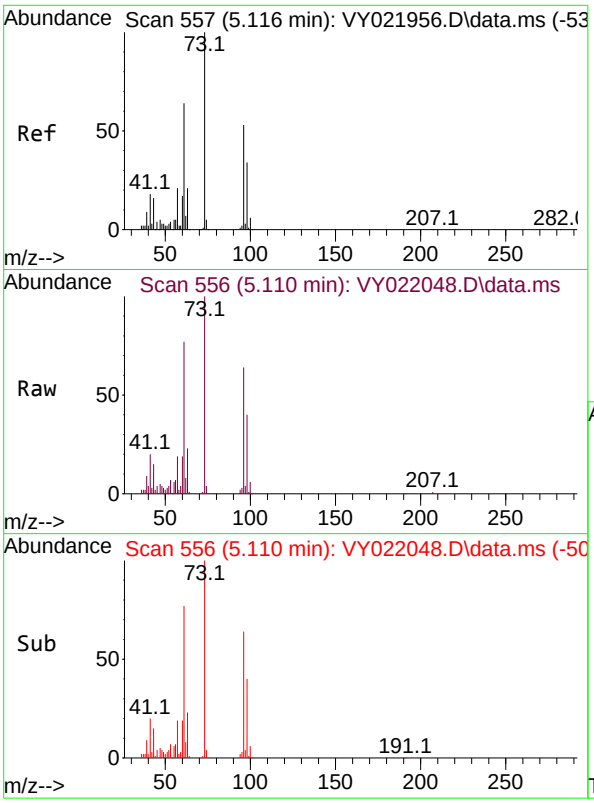


#18
Methyl Acetate
Concen: 20.705 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 26368

Ion	Ratio	Lower	Upper
43	100		
74	31.1	24.2	36.4



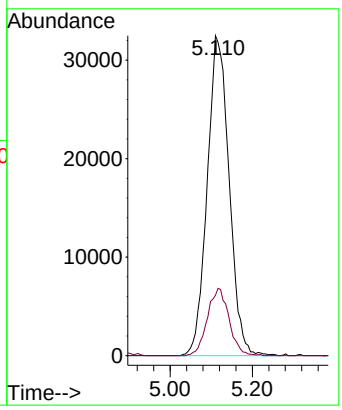


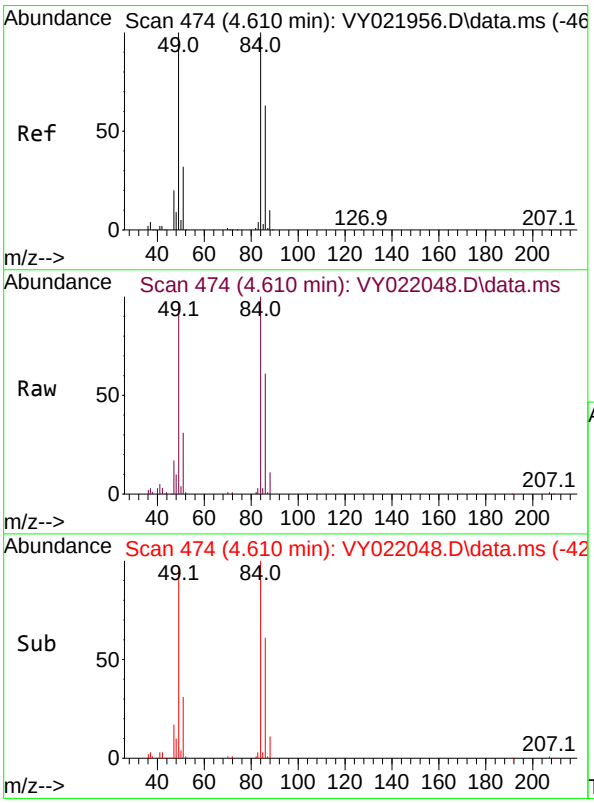
#19
Methyl tert-butyl Ether
Concen: 18.330 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 73 Resp: 120380

Ion	Ratio	Lower	Upper
73	100		
57	18.9	16.9	25.3

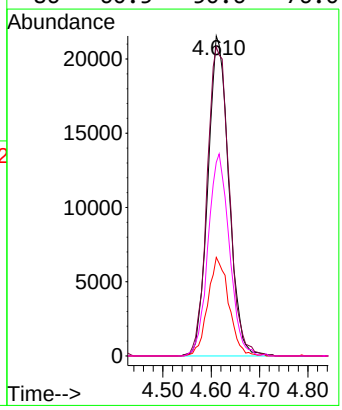


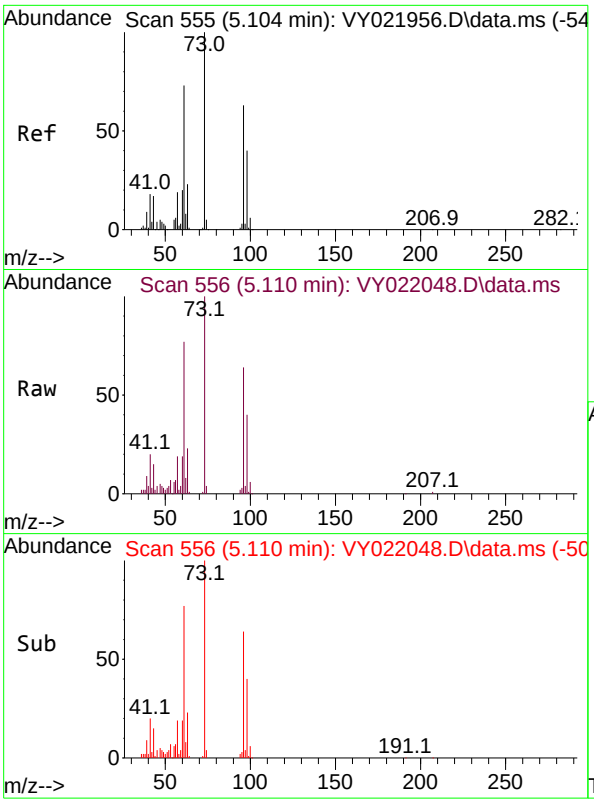


#20
Methylene Chloride
Concen: 18.734 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 84 Resp: 64582

Ion	Ratio	Lower	Upper
84	100		
49	96.5	79.9	119.9
51	30.8	25.4	38.0
86	60.5	50.6	76.0



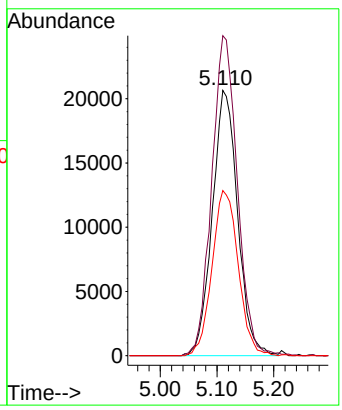


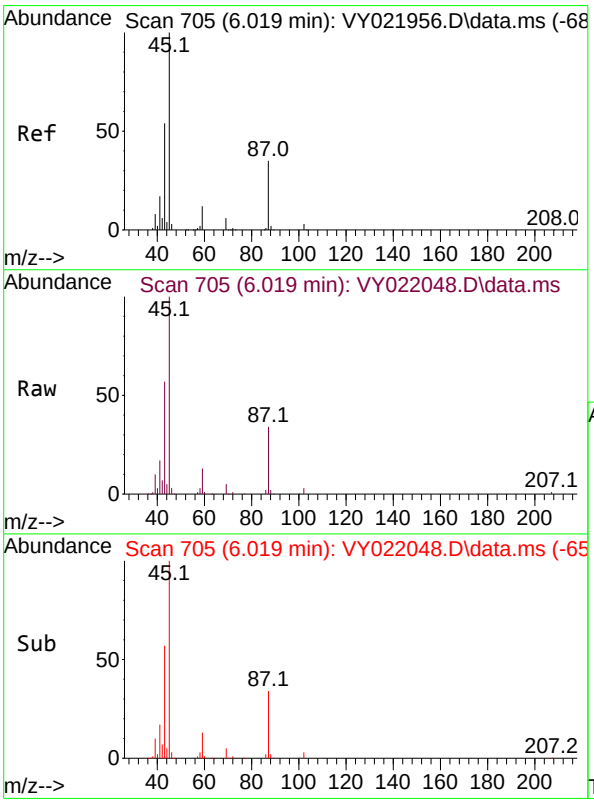
#21
trans-1,2-Dichloroethene
Concen: 19.519 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 96 Resp: 64140

Ion	Ratio	Lower	Upper
96	100		
61	120.6	92.6	138.8
98	62.2	50.2	75.4

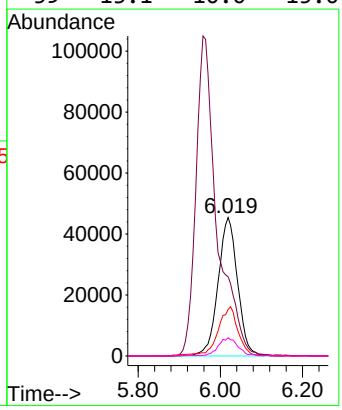


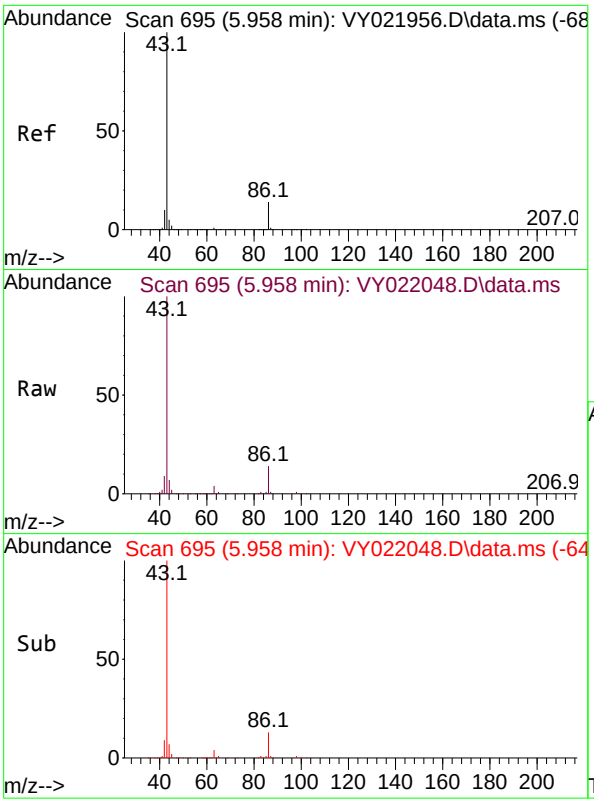


#22
Diisopropyl ether
Concen: 19.653 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 45 Resp: 149424

Ion	Ratio	Lower	Upper
45	100		
43	56.7	43.6	65.4
87	33.6	28.2	42.4
59	13.1	10.0	15.0



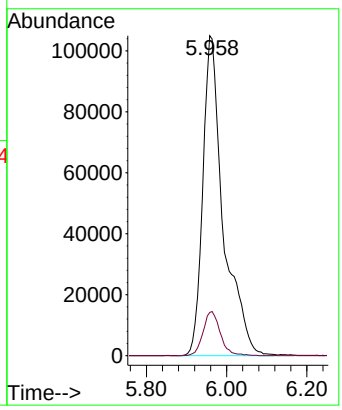


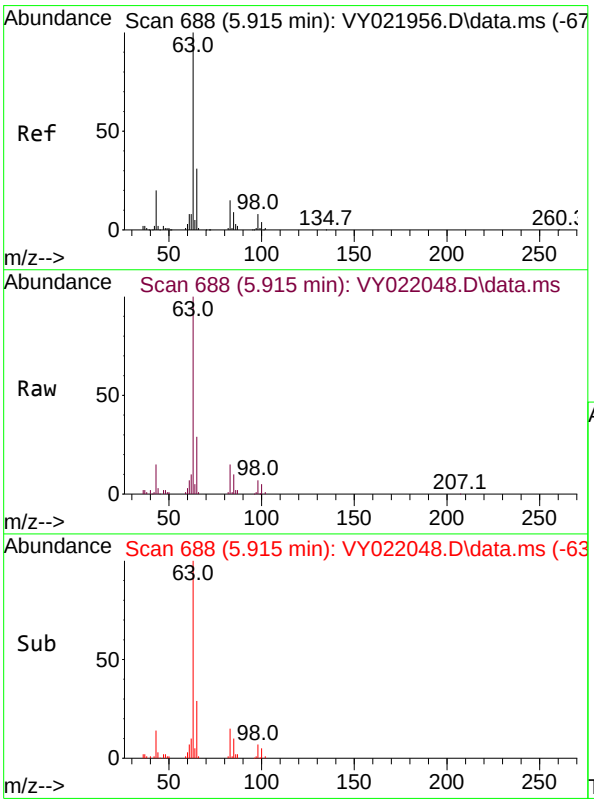
#23
Vinyl Acetate
Concen: 91.151 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 43 Resp: 373500

Ion	Ratio	Lower	Upper
43	100		
86	13.5	11.1	16.7

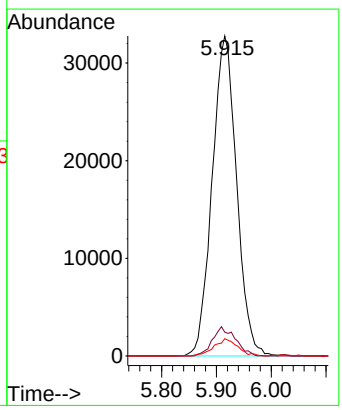


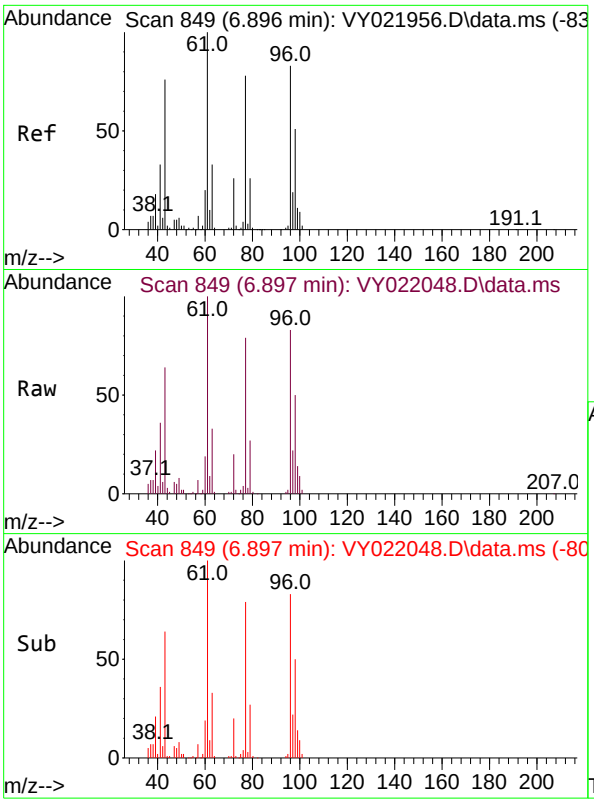


#24
1,1-Dichloroethane
Concen: 19.263 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 63 Resp: 101522

Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.0	11.9
100	5.4	2.0	6.0



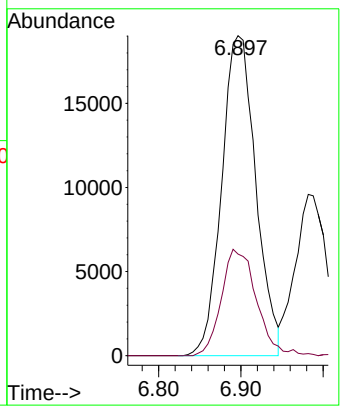


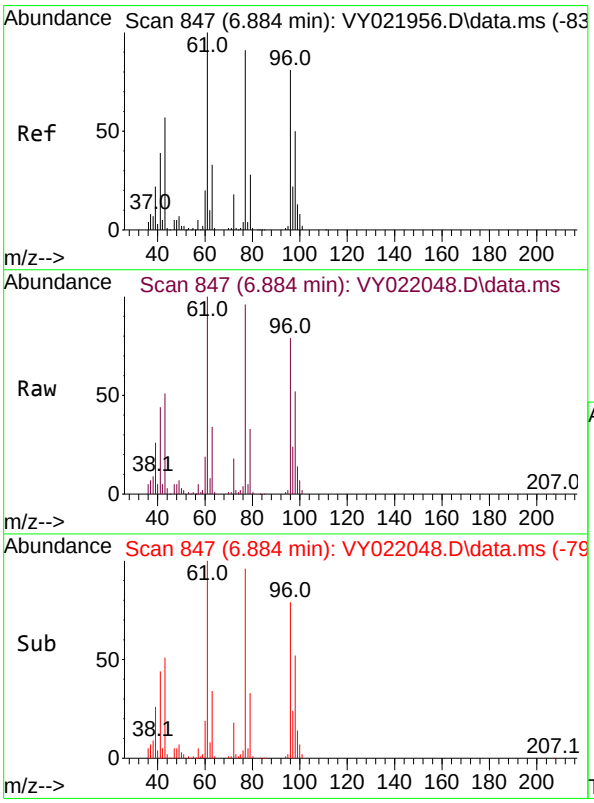
#25
2-Butanone
Concen: 88.358 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 43 Resp: 54911

Ion	Ratio	Lower	Upper
43	100		
72	31.8	27.0	40.4

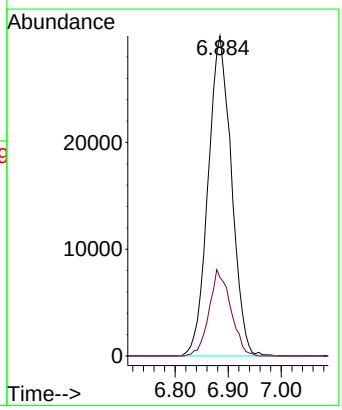


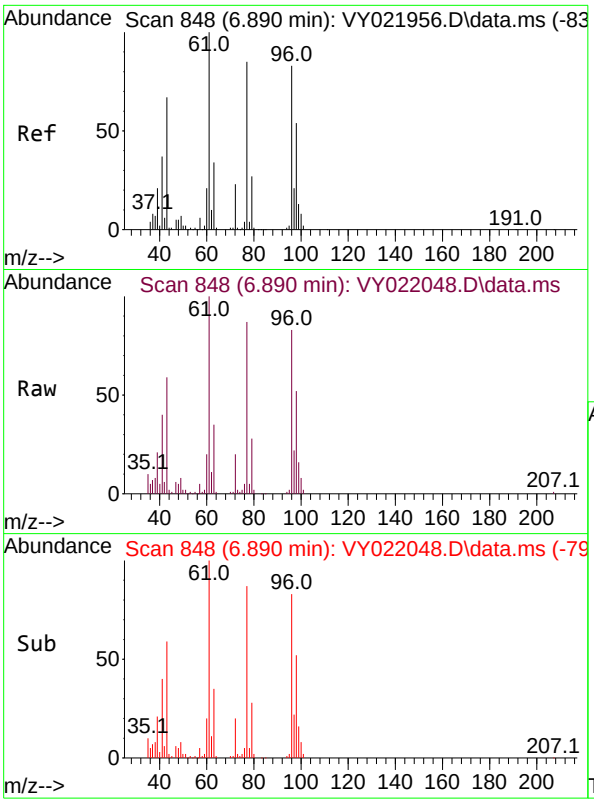


#26
2,2-Dichloropropane
Concen: 19.830 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 77 Resp: 91600

Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.4	37.4



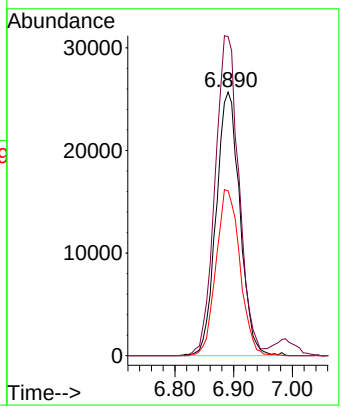


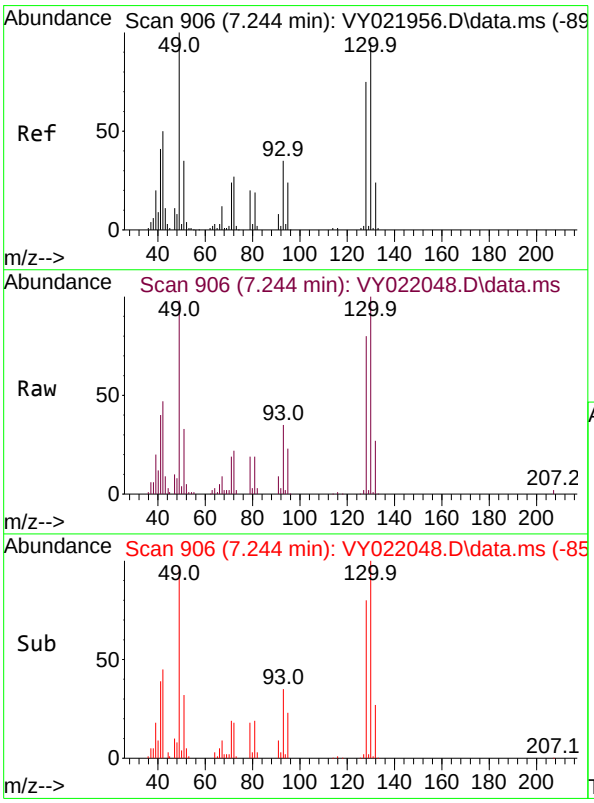
#27
cis-1,2-Dichloroethene
Concen: 19.606 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 96 Resp: 72039

Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	251.4
98	63.7	0.0	128.4

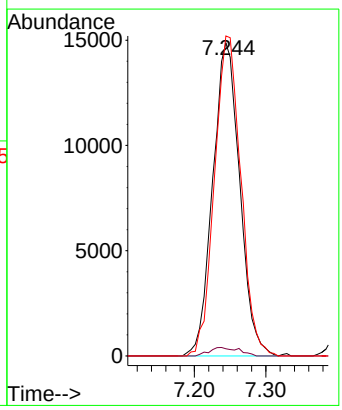


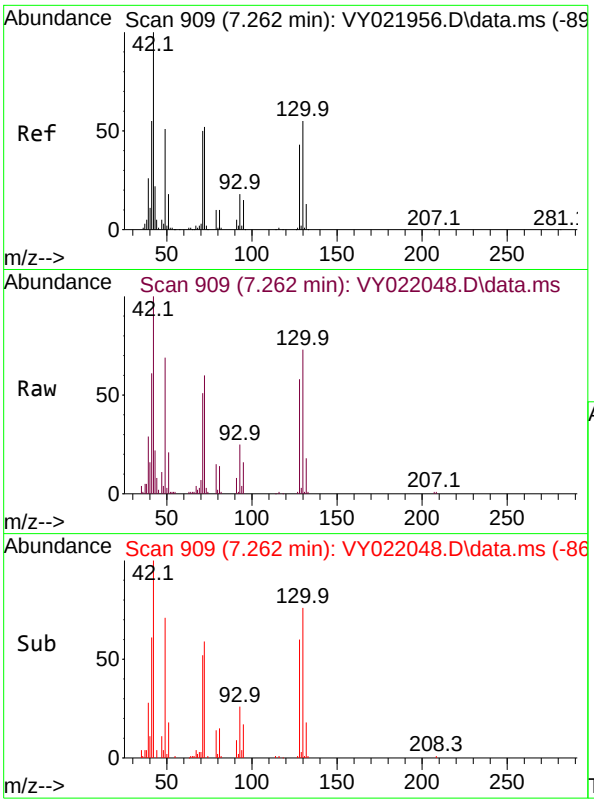


#28
Bromochloromethane
Concen: 19.066 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 49 Resp: 39029

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	99.7	78.2	117.4



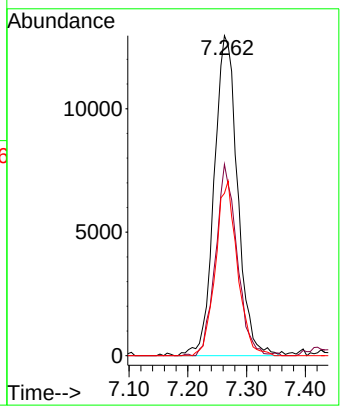


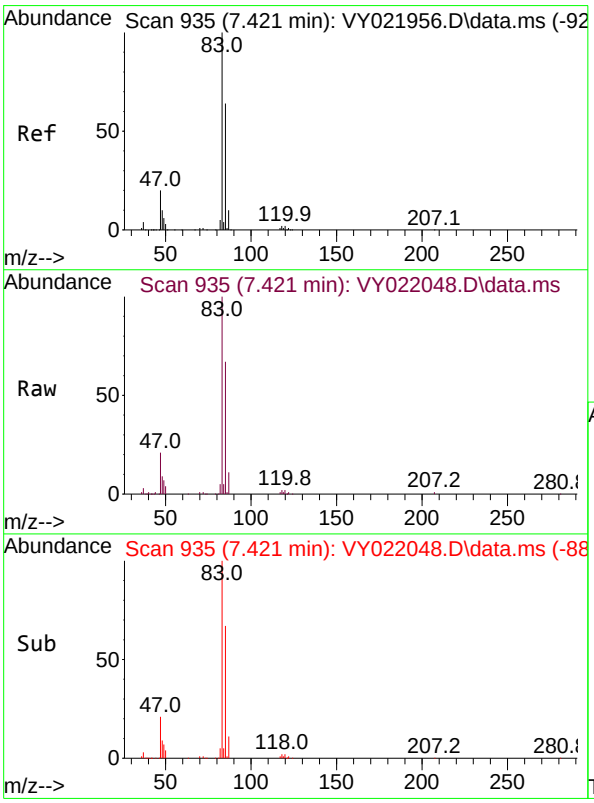
#29
Tetrahydrofuran
Concen: 88.815 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 42 Resp: 35848

Ion	Ratio	Lower	Upper
42	100		
72	54.8	42.6	63.8
71	51.0	40.6	61.0

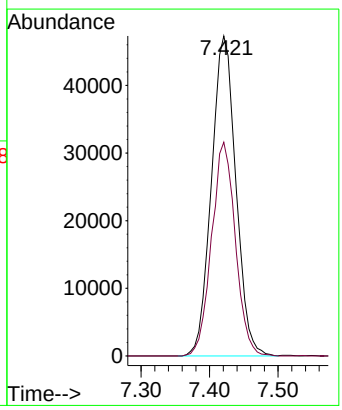


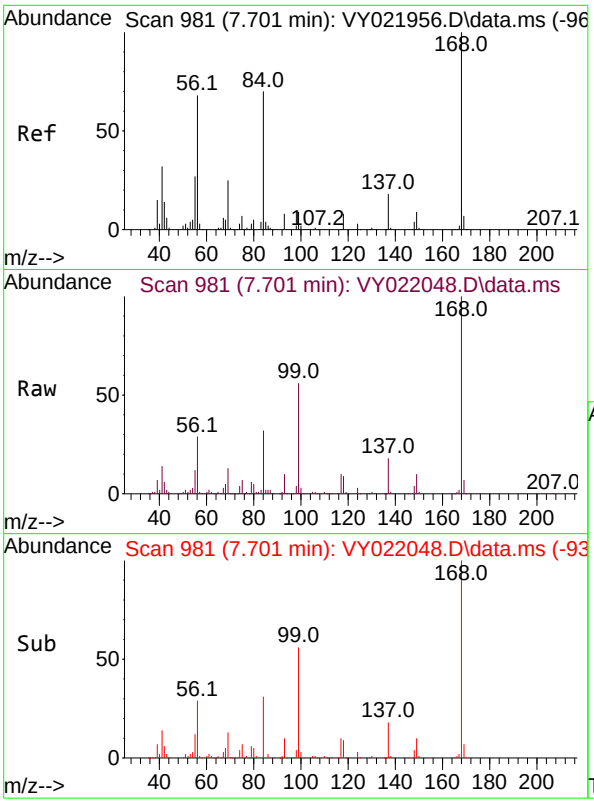


#30
Chloroform
Concen: 20.020 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 83 Resp: 117036

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.3	76.9



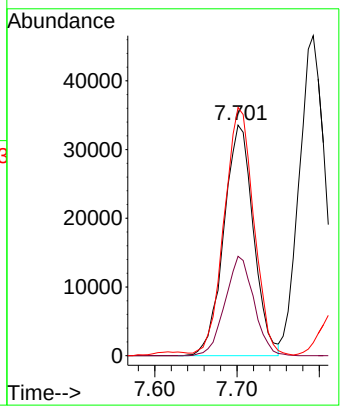


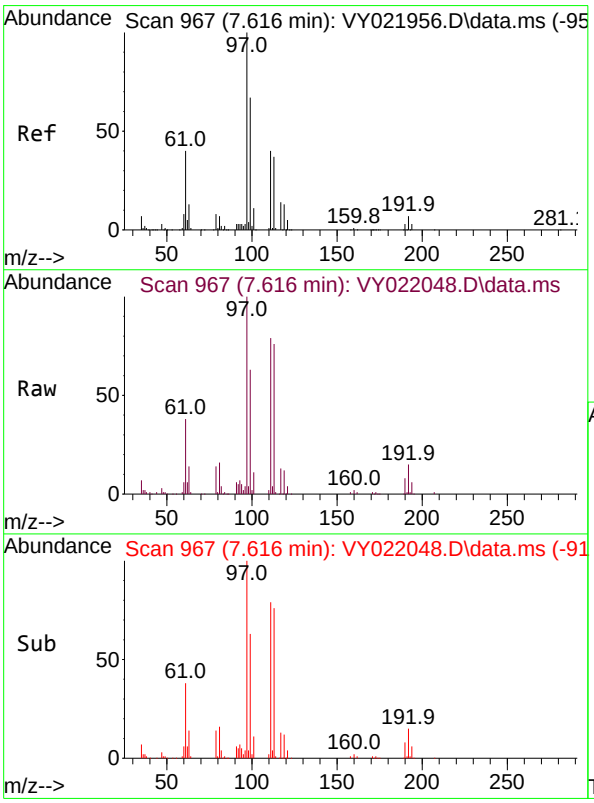
#31
Cyclohexane
Concen: 18.687 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 56 Resp: 84220

Ion	Ratio	Lower	Upper
56	100		
69	43.1	29.4	44.2
84	106.1	82.2	123.4

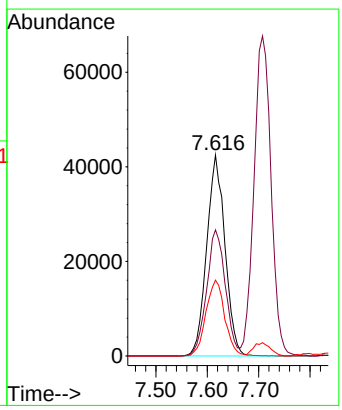


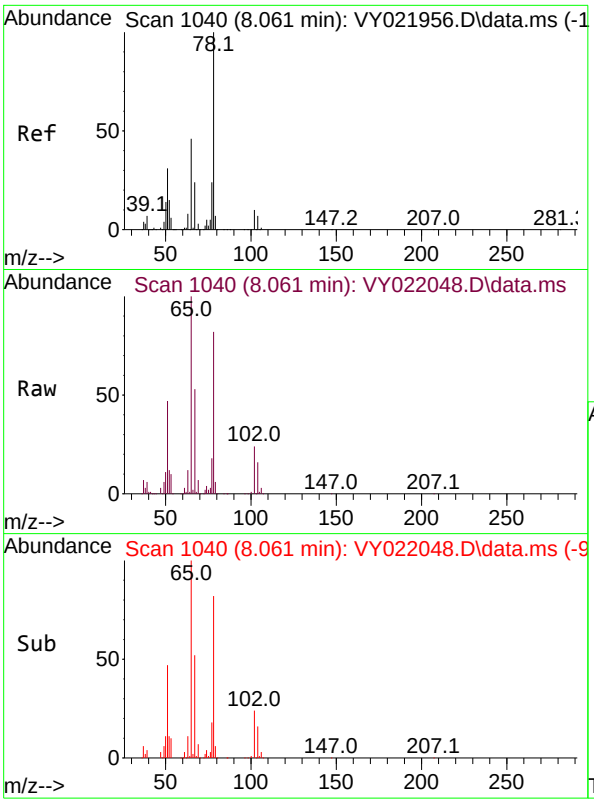


#32
1,1,1-Trichloroethane
Concen: 19.880 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 97 Resp: 105143

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	38.7	31.4	47.2



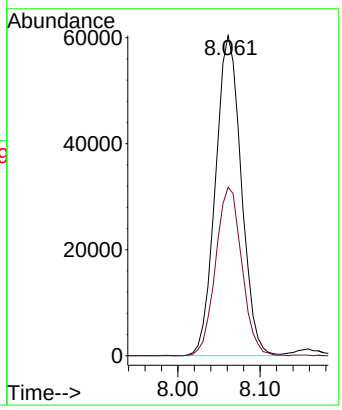


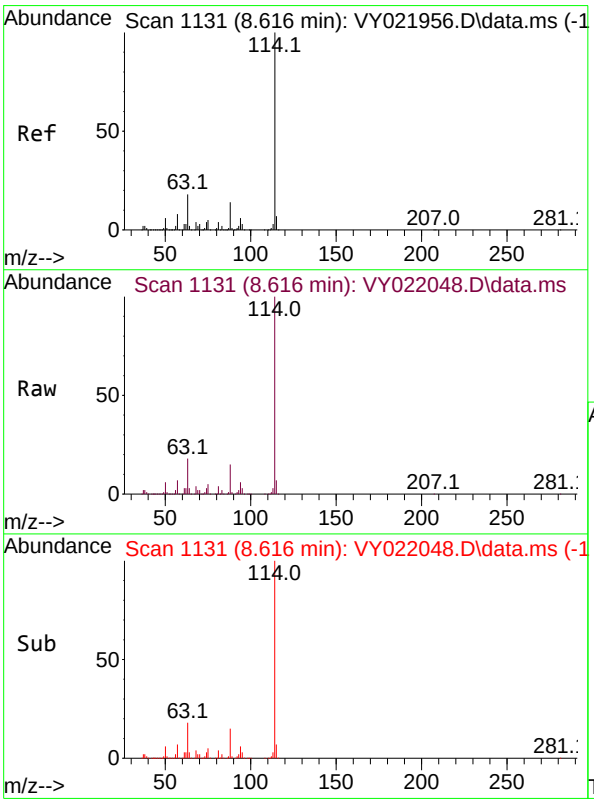
#33
1,2-Dichloroethane-d4
Concen: 48.350 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 65 Resp: 131819

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8

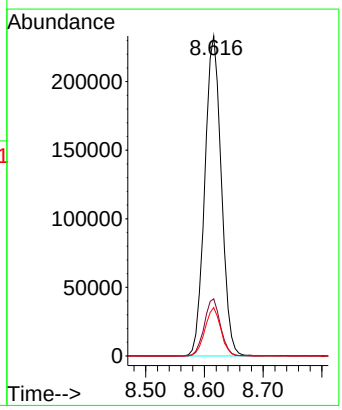


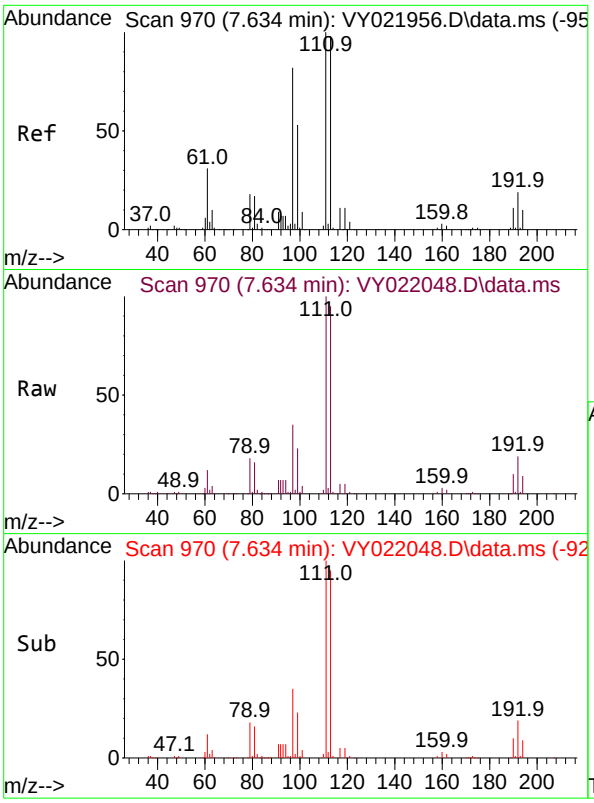


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:114 Resp: 455592

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.4
88	15.1	0.0	28.2



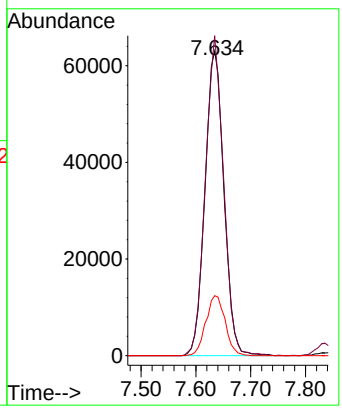


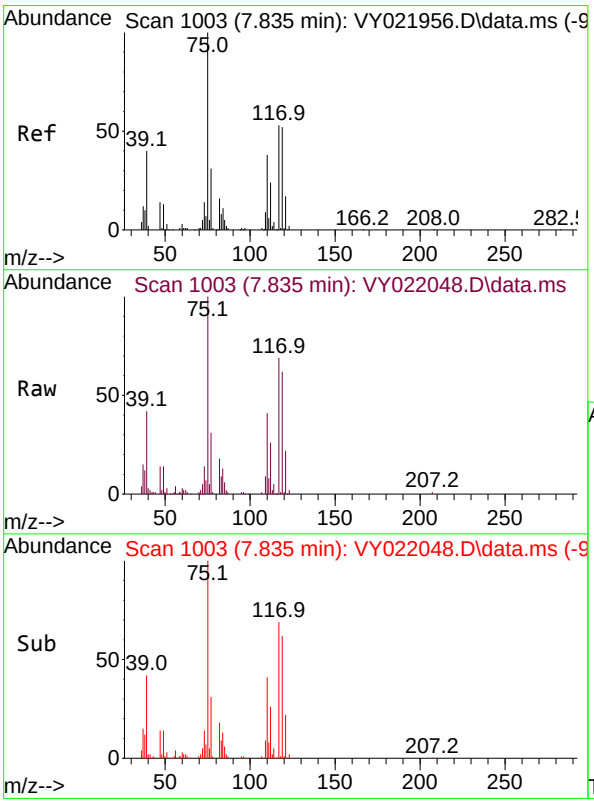
#35
Dibromofluoromethane
Concen: 50.166 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:113 Resp: 150994

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	20.1	15.6	23.4

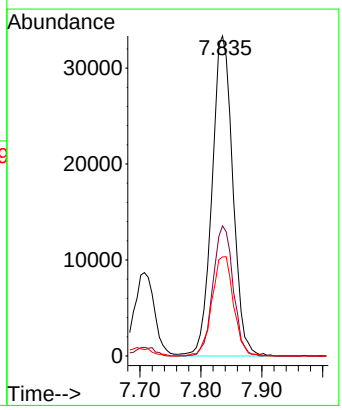


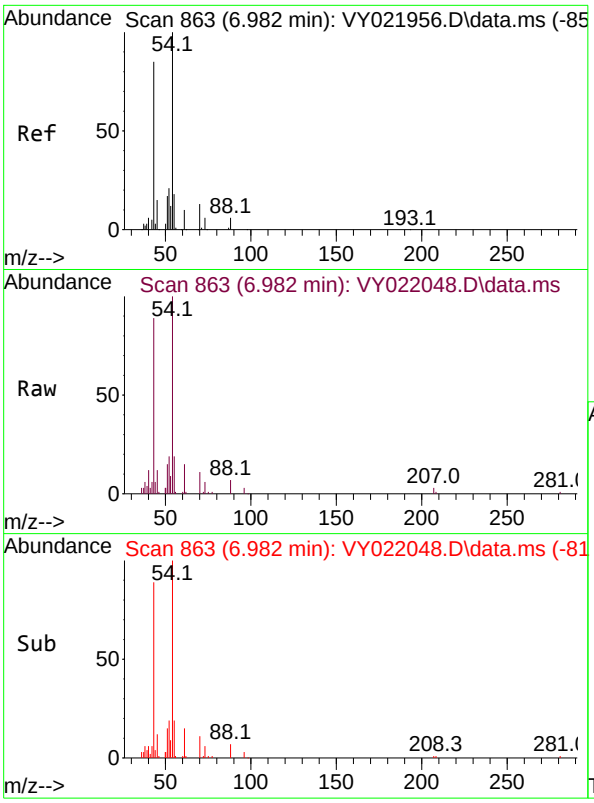


#36
1,1-Dichloropropene
Concen: 19.558 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 79075

Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.1	57.3
77	32.2	25.5	38.3



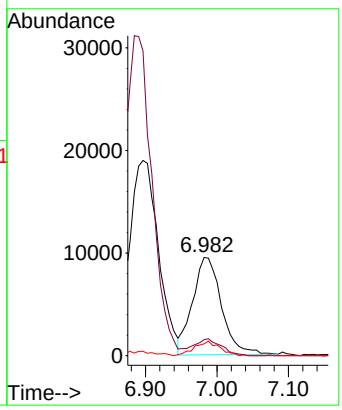


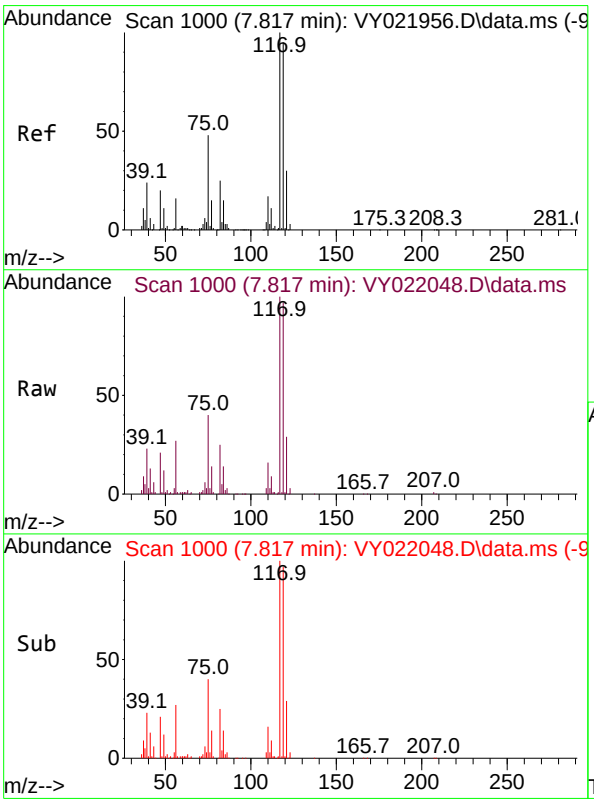
#37
Ethyl Acetate
Concen: 18.338 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 43 Resp: 26628

Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.6
70	13.0	9.2	13.8

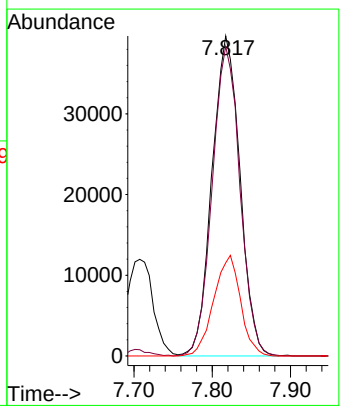


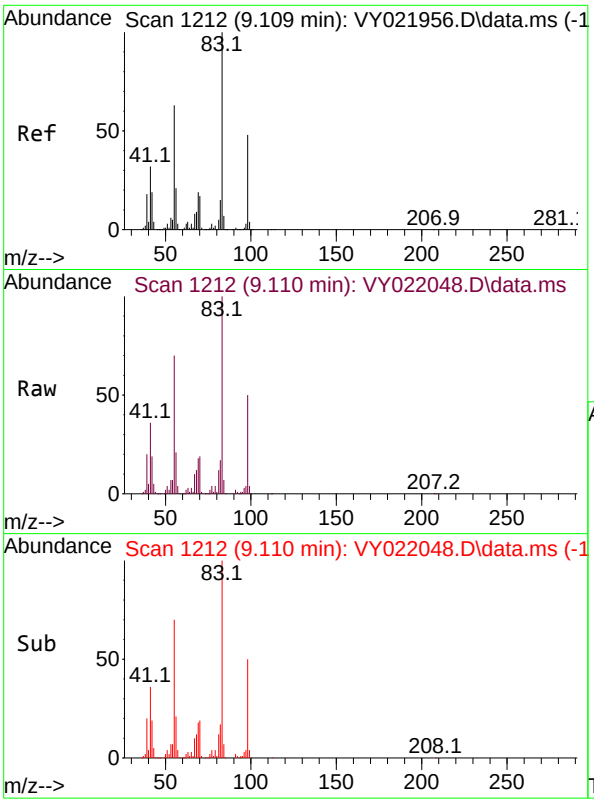


#38
Carbon Tetrachloride
Concen: 20.330 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:117 Resp: 98218

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.4
121	29.1	24.0	36.0



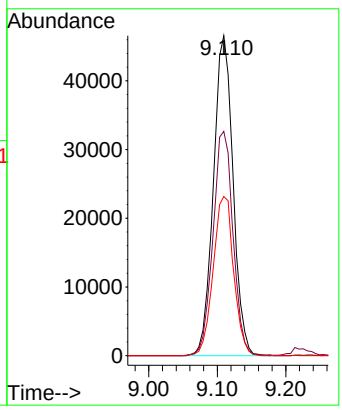


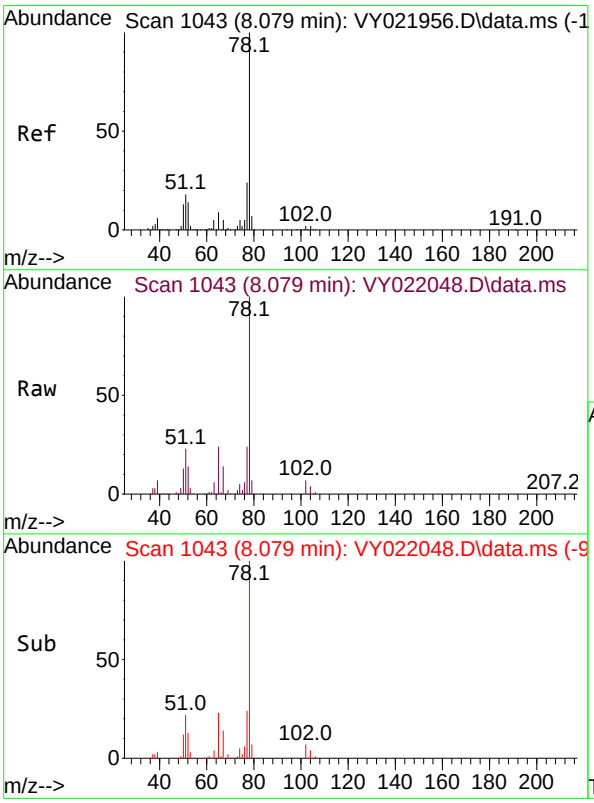
#39
Methylcyclohexane
Concen: 18.187 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 83 Resp: 92537

Ion	Ratio	Lower	Upper
83	100		
55	70.1	50.6	75.8
98	49.8	38.6	58.0

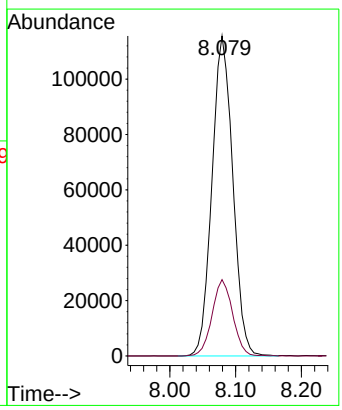


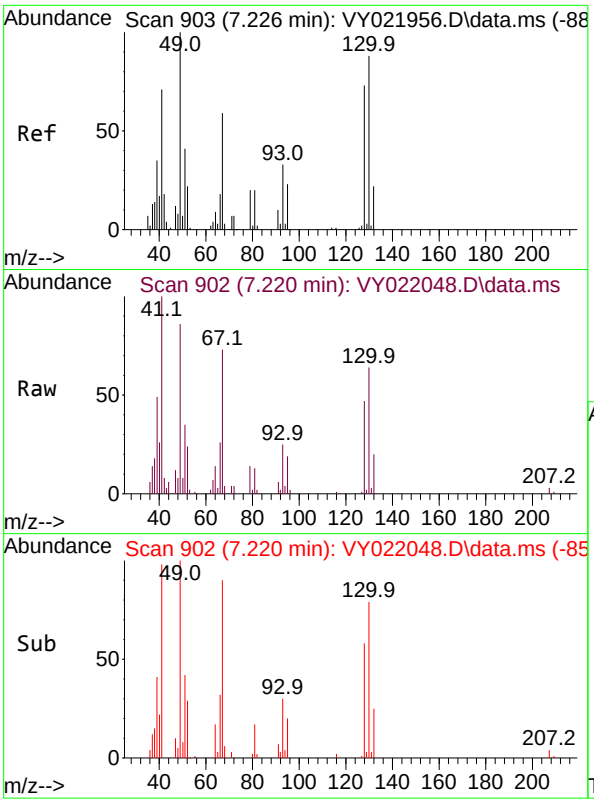


#40
Benzene
Concen: 20.158 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 78 Resp: 254772

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9



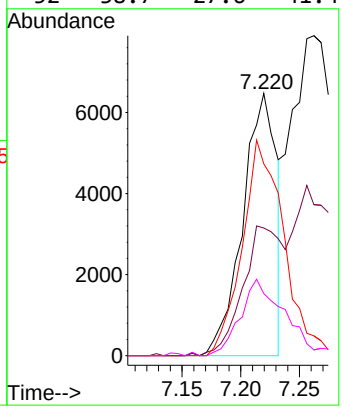


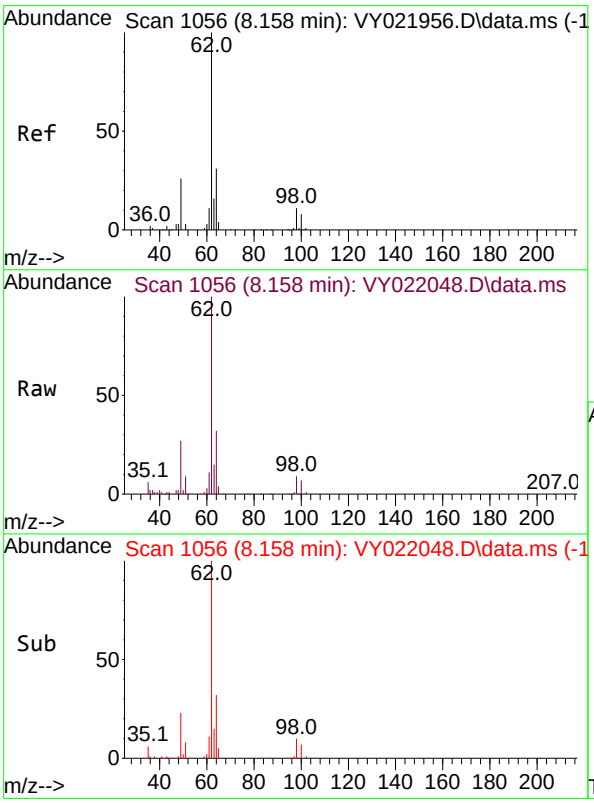
#41
Methacrylonitrile
Concen: 16.313 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 41 Resp: 12949

Ion	Ratio	Lower	Upper
41	100		
39	59.2	36.6	55.0#
67	101.0	72.2	108.4
52	38.7	27.6	41.4

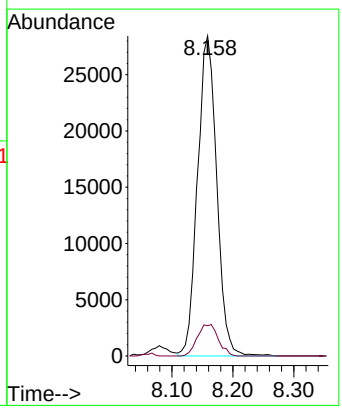


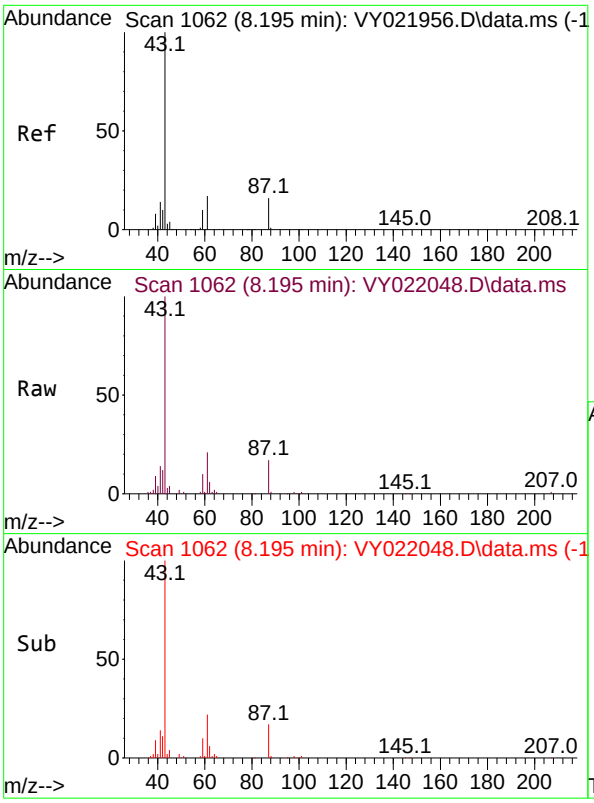


#42
1,2-Dichloroethane
Concen: 19.929 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 62 Resp: 62360

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



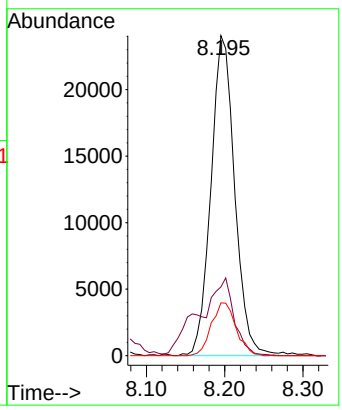


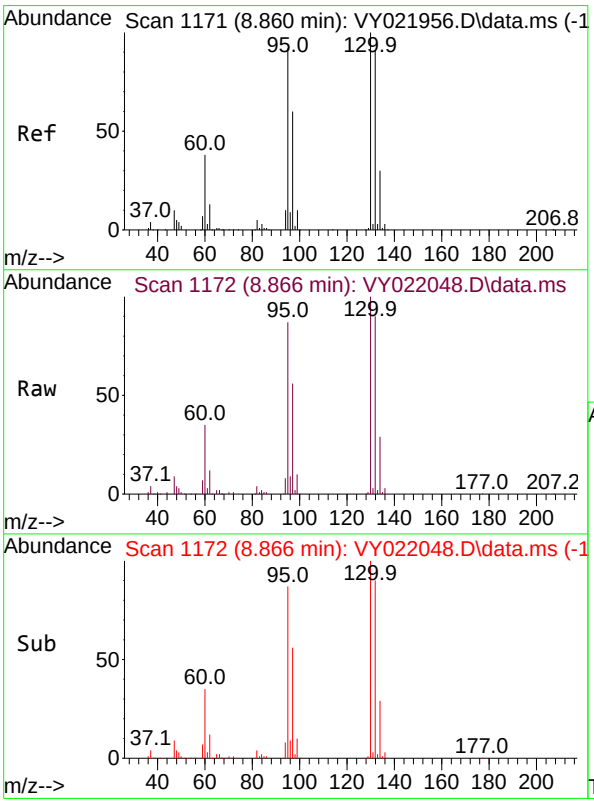
#43
Isopropyl Acetate
Concen: 18.193 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 43 Resp: 50732

Ion	Ratio	Lower	Upper
43	100		
61	21.9	18.9	28.3
87	17.2	13.7	20.5

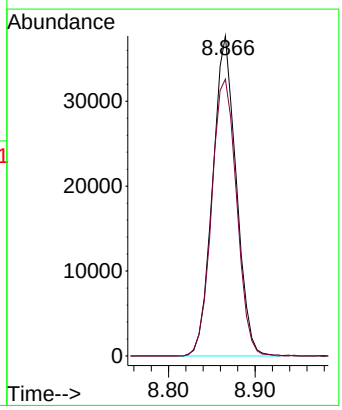


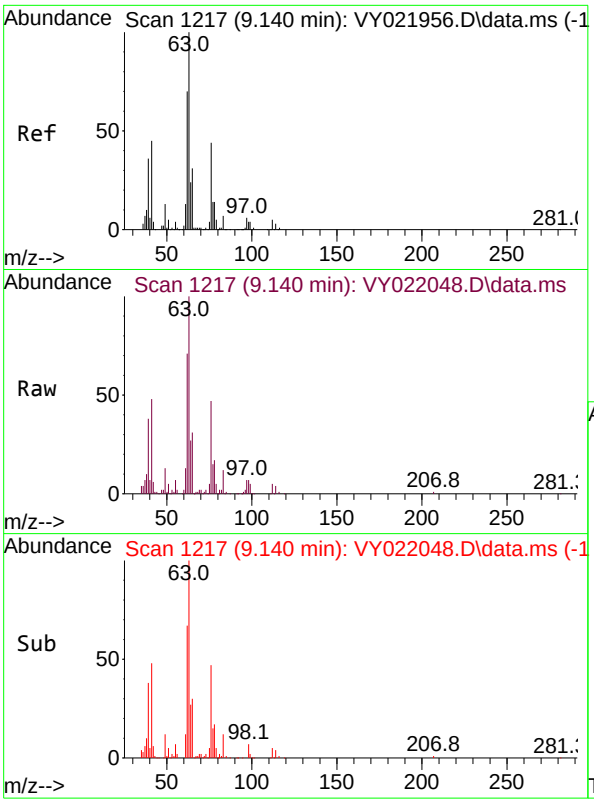


#44
Trichloroethene
Concen: 20.290 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:130 Resp: 71028

Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	183.2



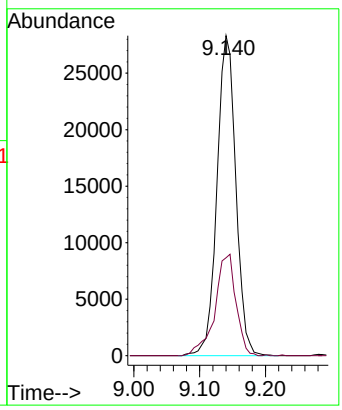


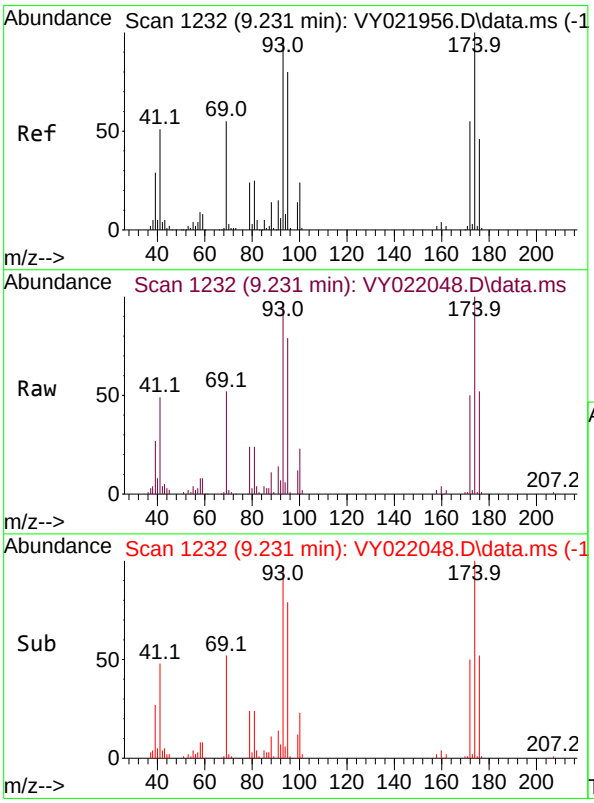
#45
1,2-Dichloropropane
Concen: 20.194 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 63 Resp: 56441

Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.2	37.8

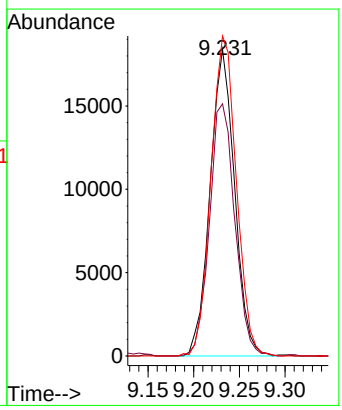


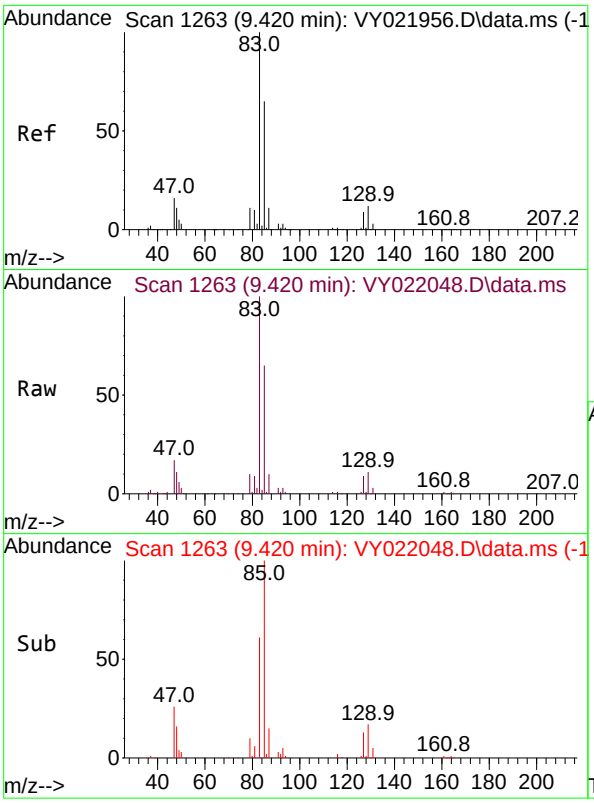


#46
Dibromomethane
Concen: 19.593 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 93 Resp: 34280

Ion	Ratio	Lower	Upper
93	100		
95	85.0	66.7	100.1
174	108.0	84.6	127.0



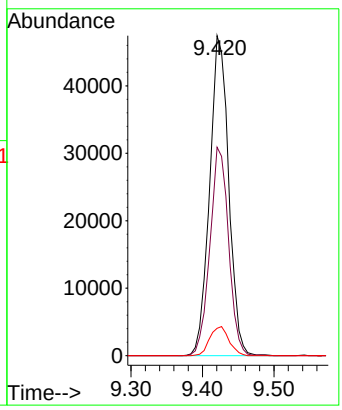


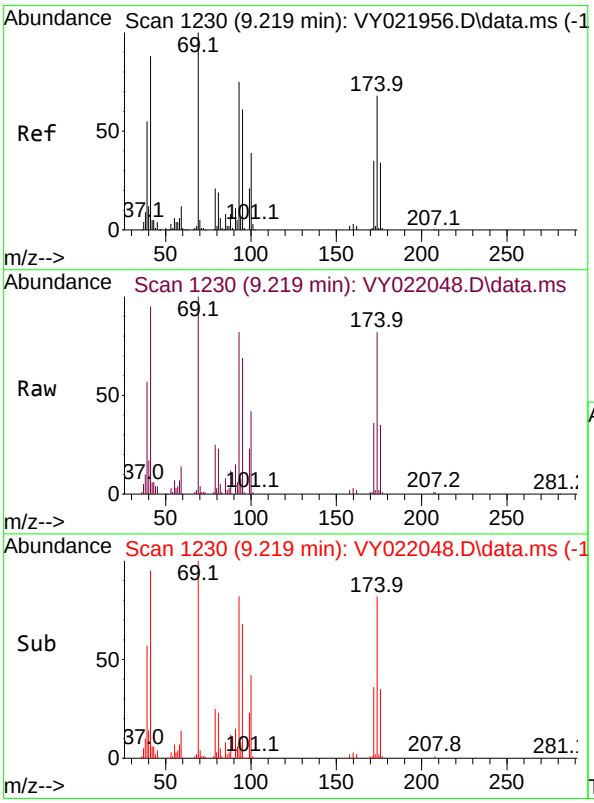
#47
Bromodichloromethane
Concen: 20.067 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 83 Resp: 87710

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8
127	8.5	7.0	10.6

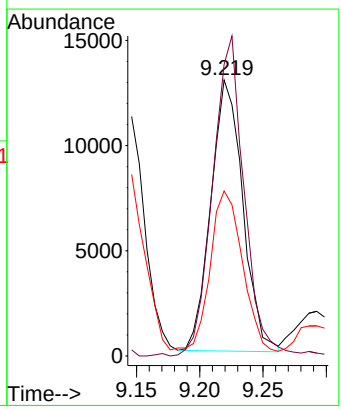


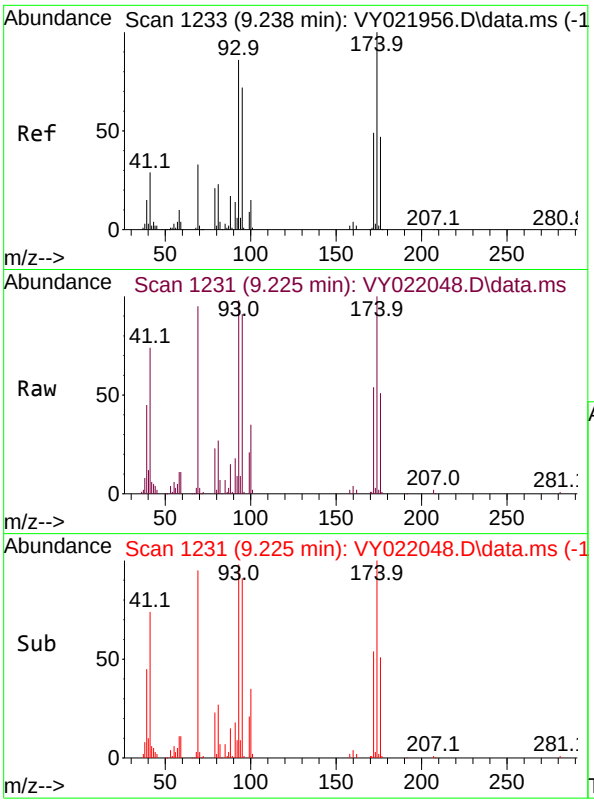


#48
Methyl methacrylate
Concen: 17.533 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 41 Resp: 22602

Ion	Ratio	Lower	Upper
41	100		
69	117.1	85.5	128.3
39	59.4	46.2	69.4



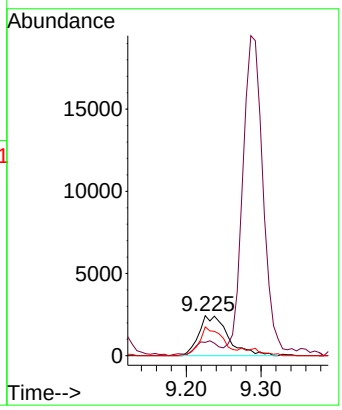


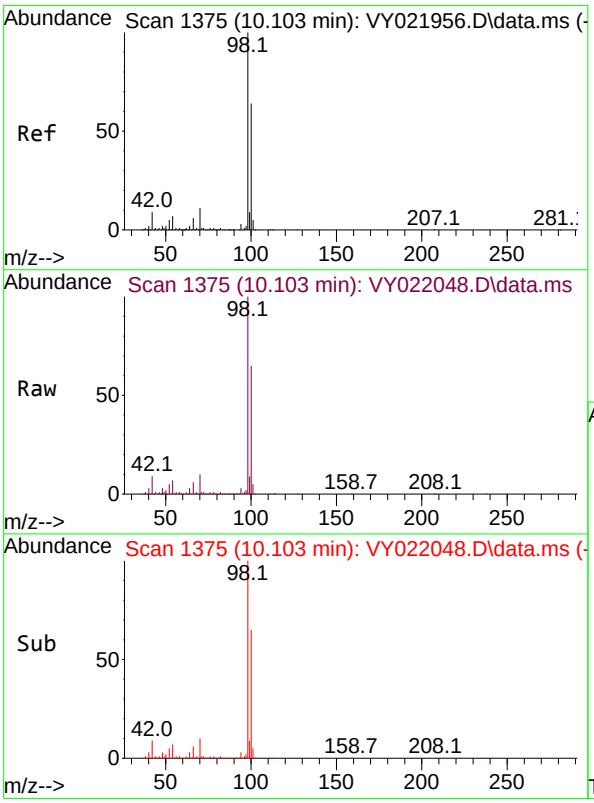
#49
1,4-Dioxane
Concen: 355.374 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 88 Resp: 6627

Ion	Ratio	Lower	Upper
88	100		
43	30.6	21.3	31.9
58	56.9	50.5	75.7

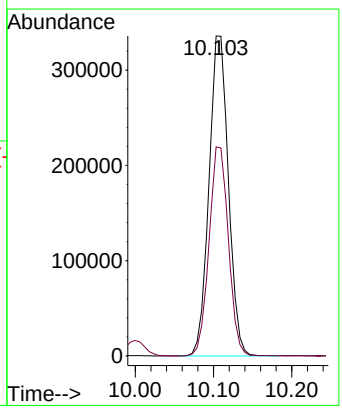


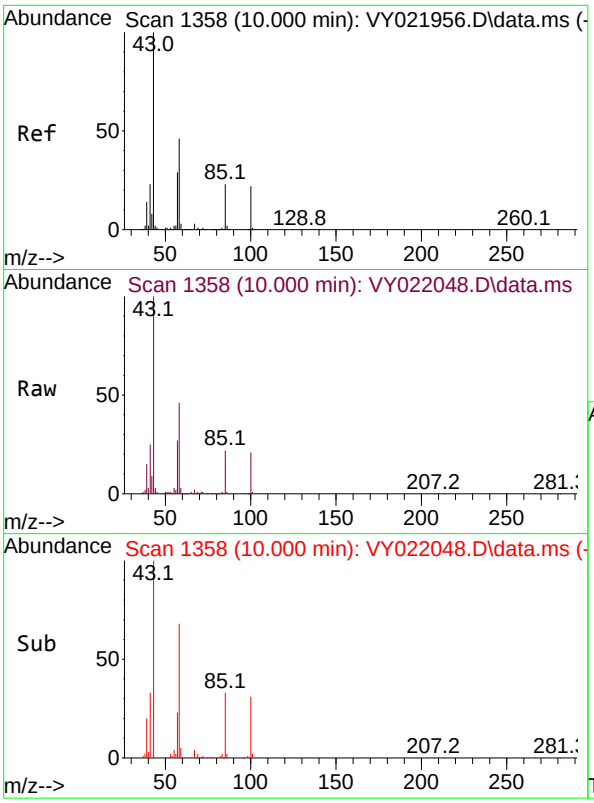


#50
Toluene-d8
Concen: 50.927 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 98 Resp: 577886

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4



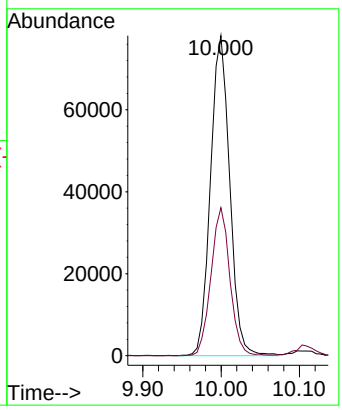


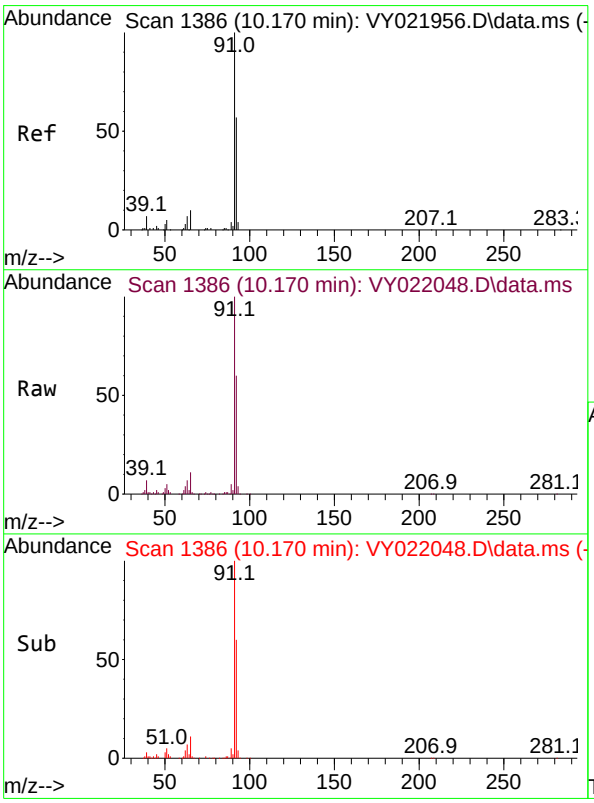
#51
4-Methyl-2-Pentanone
Concen: 91.148 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 43 Resp: 133241

Ion	Ratio	Lower	Upper
43	100		
58	45.6	36.6	55.0

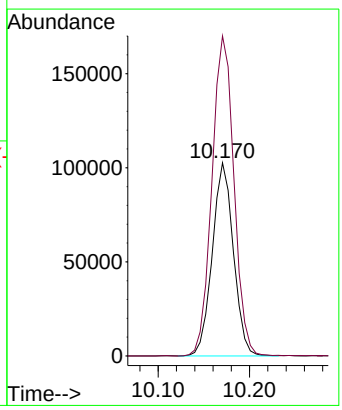


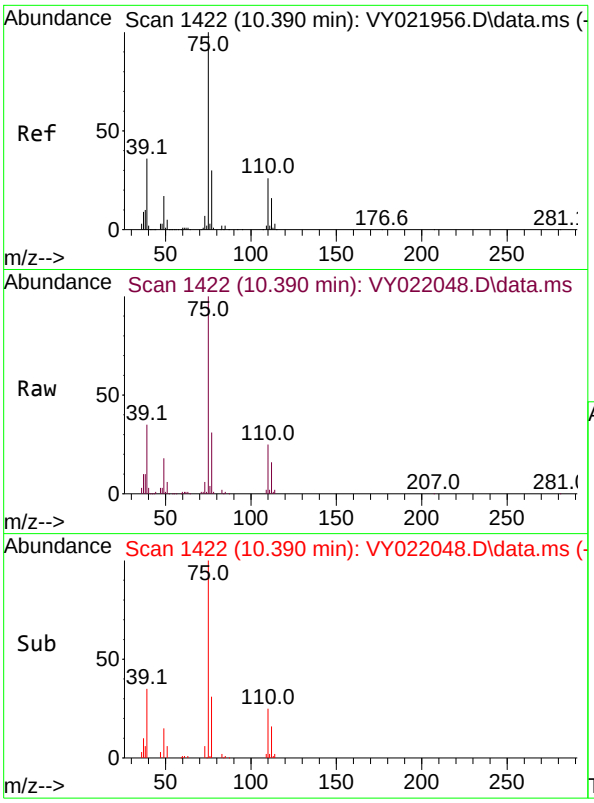


#52
Toluene
Concen: 20.141 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 92 Resp: 164777

Ion	Ratio	Lower	Upper
92	100		
91	172.8	138.6	207.8



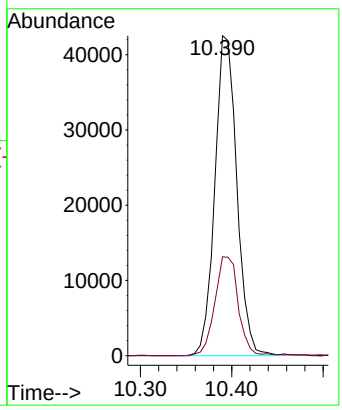


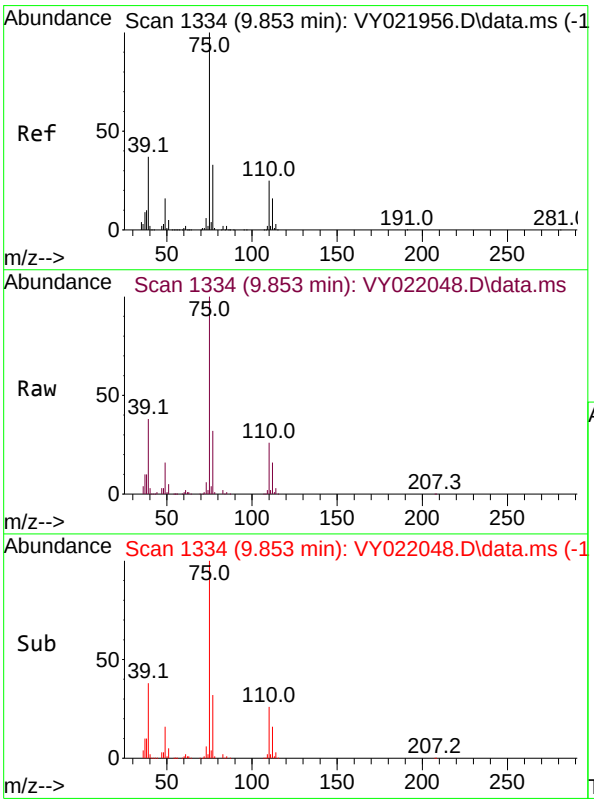
#53
t-1,3-Dichloropropene
Concen: 19.011 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 75 Resp: 71271

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.0	36.0

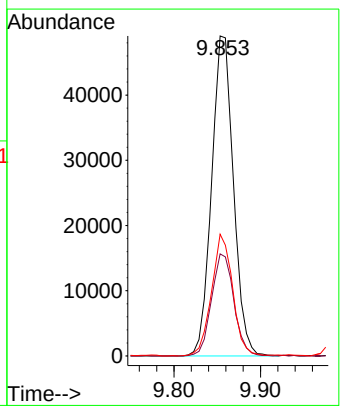


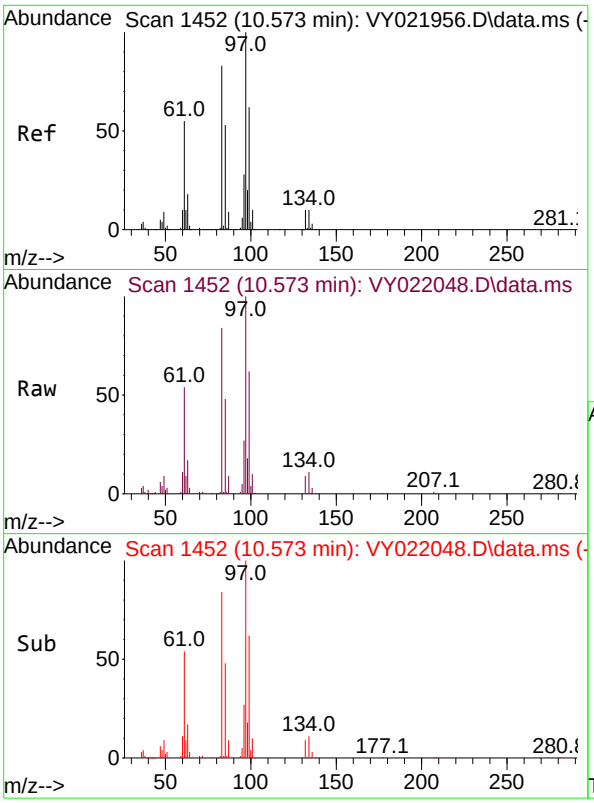


#54
cis-1,3-Dichloropropene
Concen: 19.290 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 85968

Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.6	40.0
39	38.1	29.6	44.4



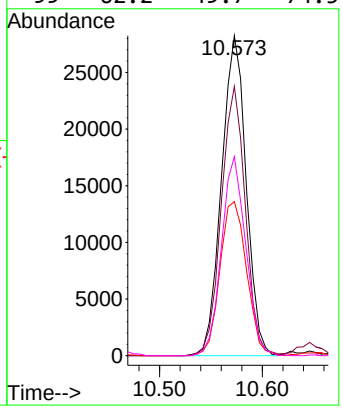


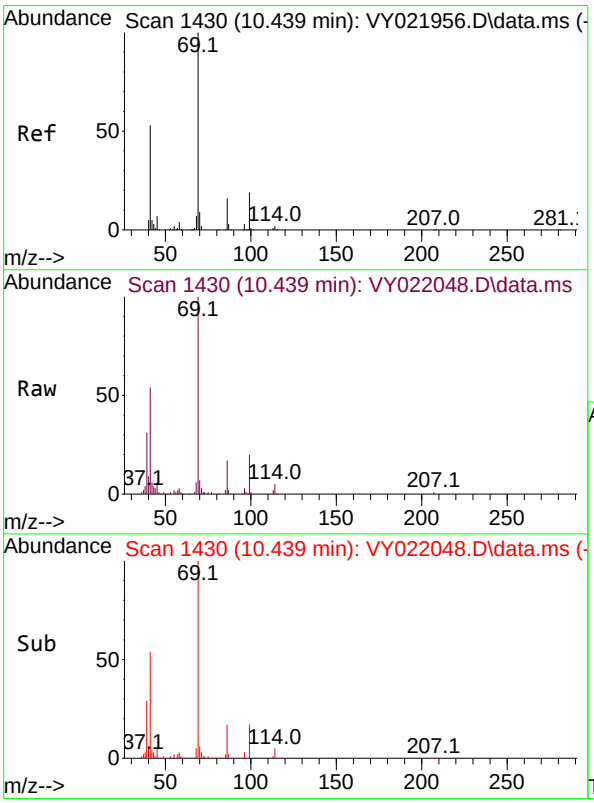
#55
1,1,2-Trichloroethane
Concen: 20.140 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 97 Resp: 47069

Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.7	100.1
85	48.1	42.6	64.0
99	62.2	49.7	74.5

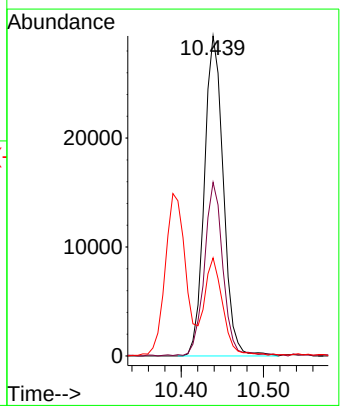


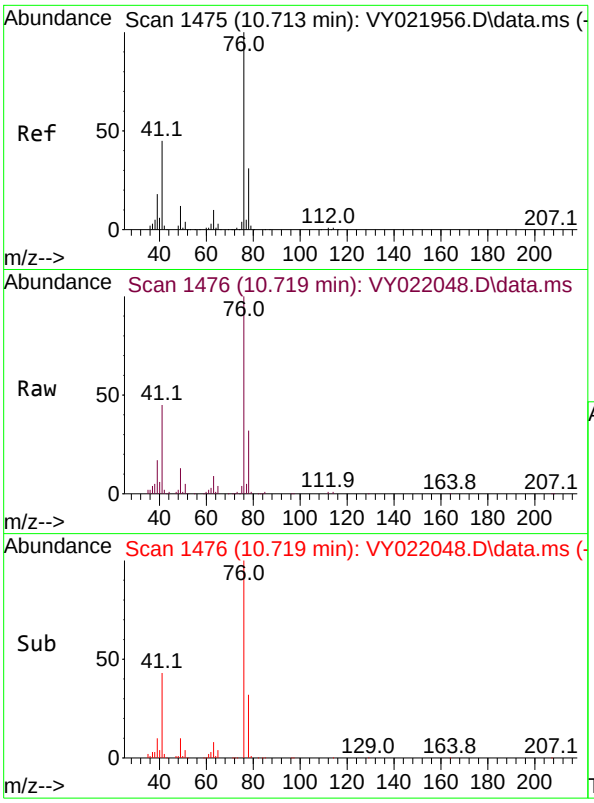


#56
Ethyl methacrylate
Concen: 17.613 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 69 Resp: 47072

Ion	Ratio	Lower	Upper
69	100		
41	53.7	40.7	61.1
39	28.4	23.3	34.9



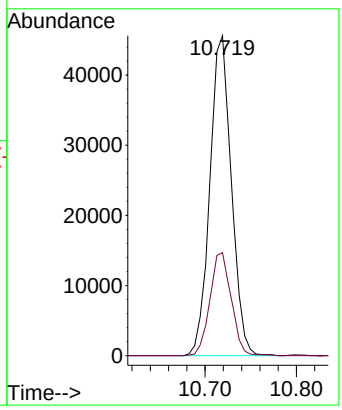


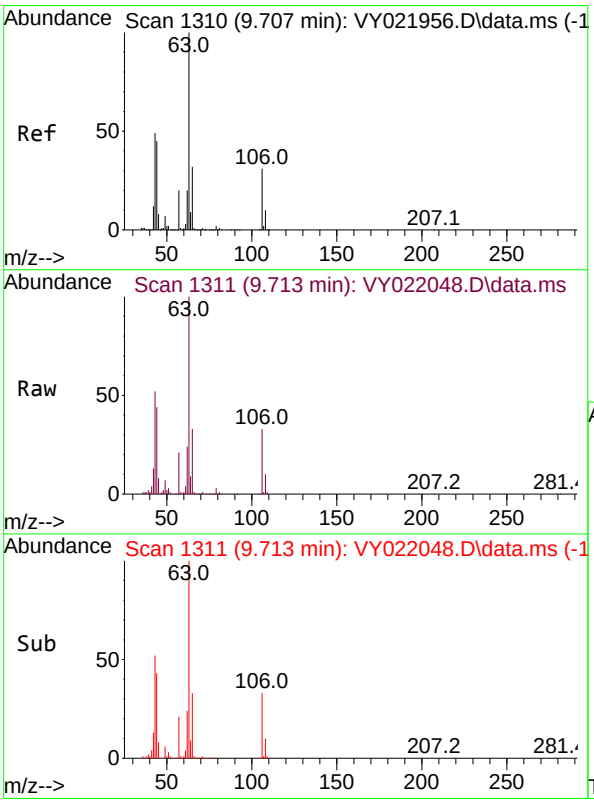
#57
1,3-Dichloropropane
Concen: 19.886 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 76 Resp: 74505

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.6	39.8

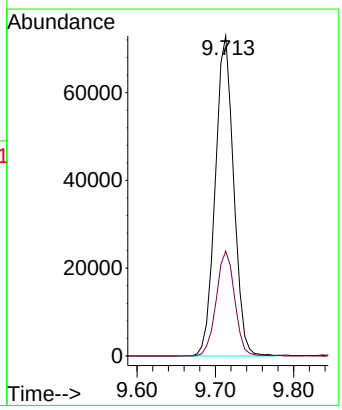


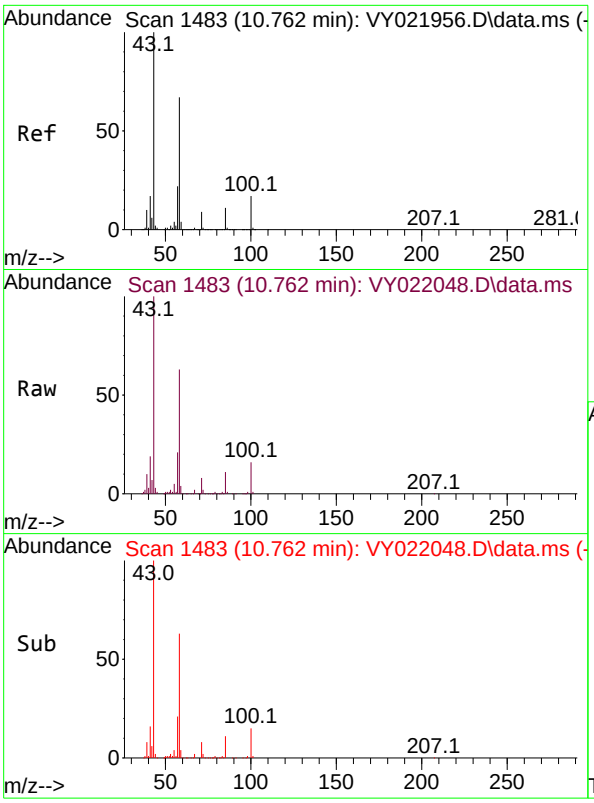


#58
2-Chloroethyl Vinyl ether
Concen: 91.185 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 63 Resp: 119153

Ion	Ratio	Lower	Upper
63	100		
106	32.8	25.3	37.9



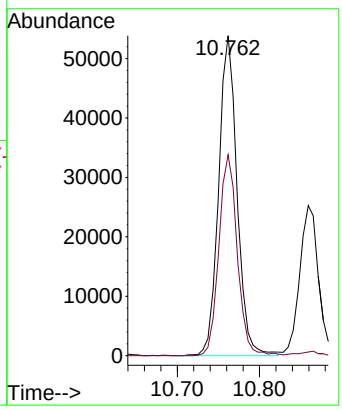


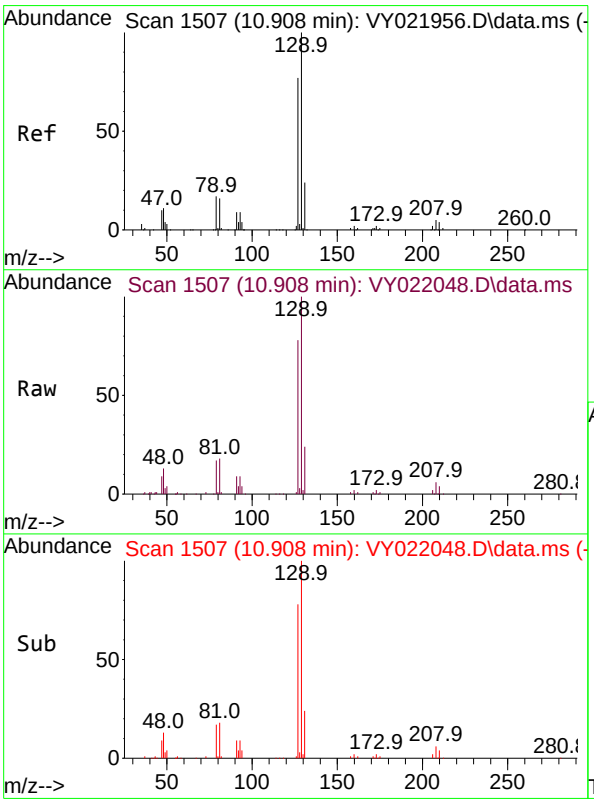
#59
2-Hexanone
Concen: 86.992 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 43 Resp: 83877

Ion	Ratio	Lower	Upper
43	100		
58	62.6	32.0	96.0

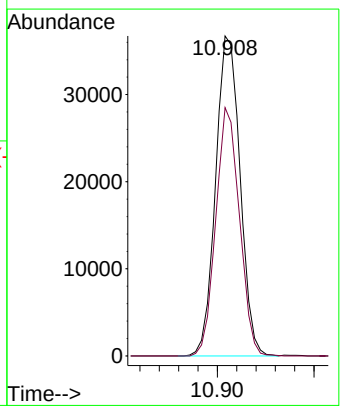


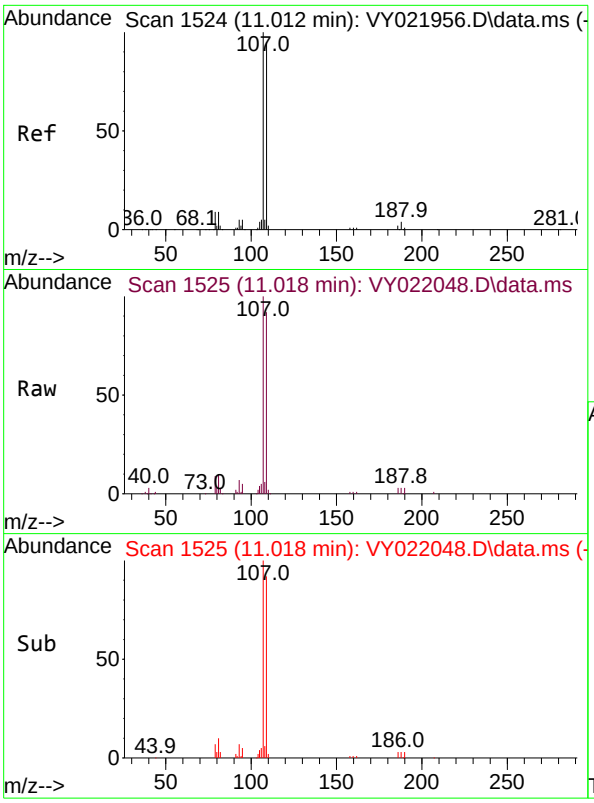


#60
Dibromochloromethane
Concen: 19.894 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:129 Resp: 64371

Ion	Ratio	Lower	Upper
129	100		
127	75.1	38.5	115.3



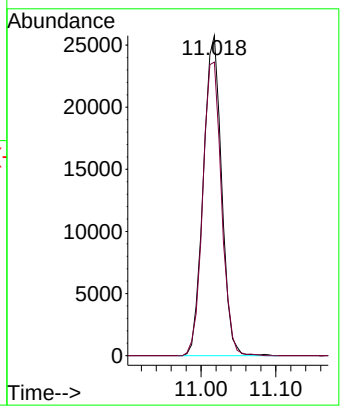


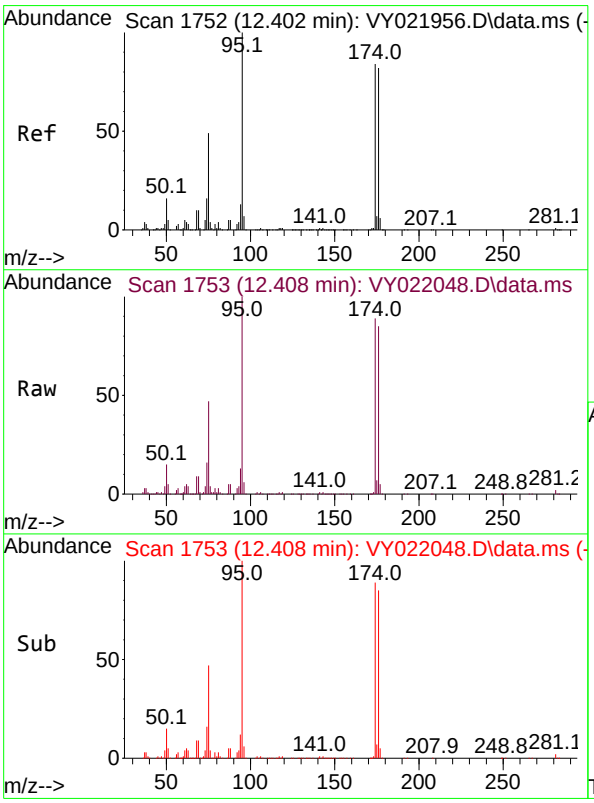
#61
1,2-Dibromoethane
Concen: 19.774 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:107 Resp: 43629

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.8	113.8

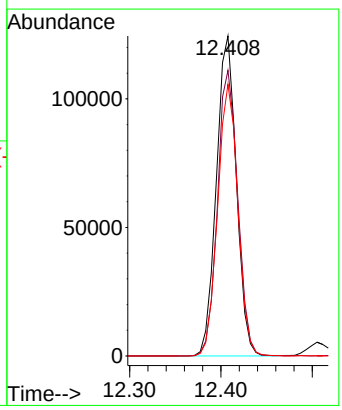


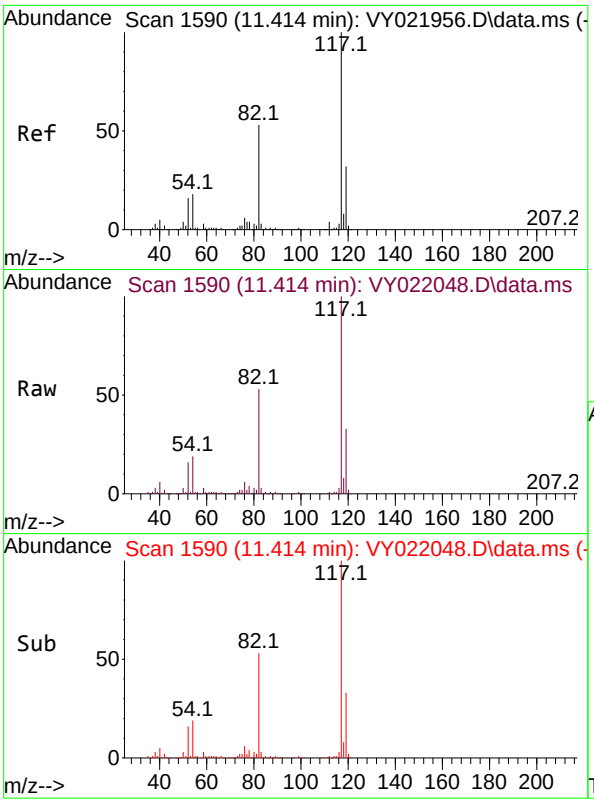


#62
4-Bromofluorobenzene
Concen: 49.628 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 95 Resp: 189577

Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	179.0
176	85.5	0.0	171.8



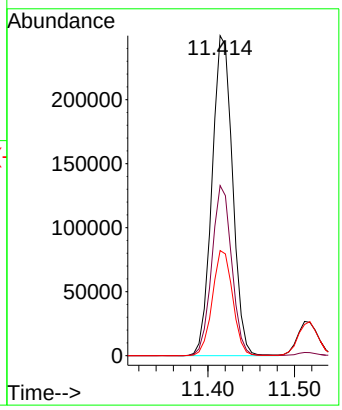


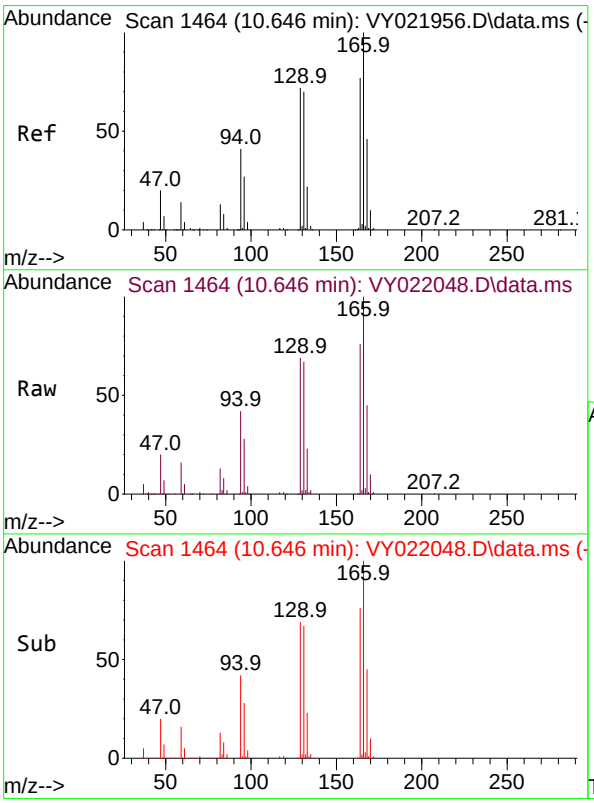
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:117 Resp: 411306

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.1	63.1
119	32.8	25.7	38.5

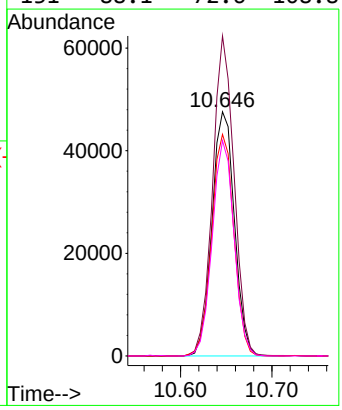


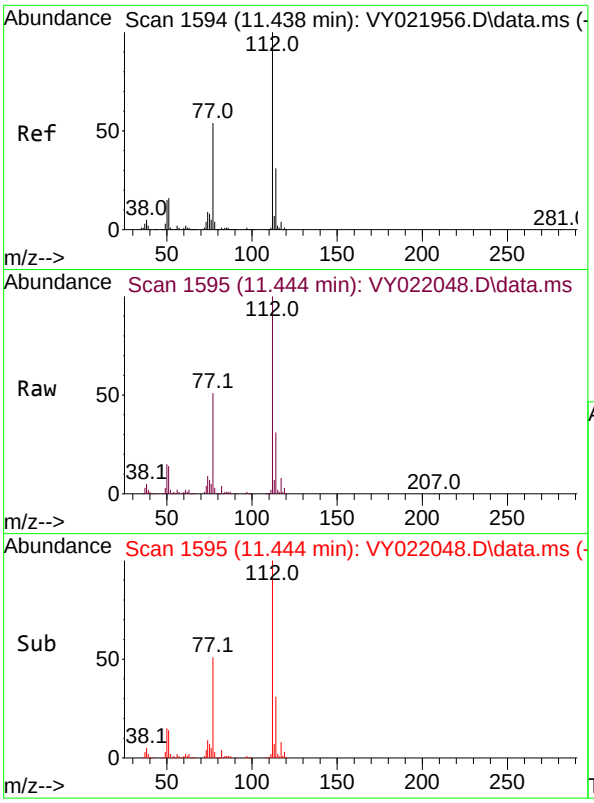


#64
Tetrachloroethene
Concen: 20.941 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:164 Resp: 81253

Ion	Ratio	Lower	Upper
164	100		
166	131.1	103.6	155.4
129	90.8	74.2	111.4
131	88.1	72.6	108.8



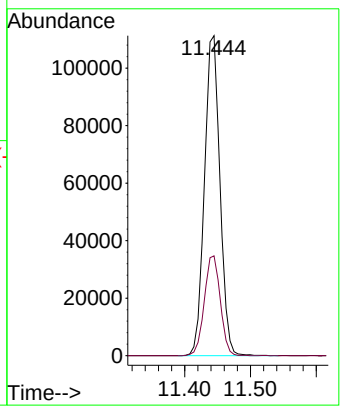


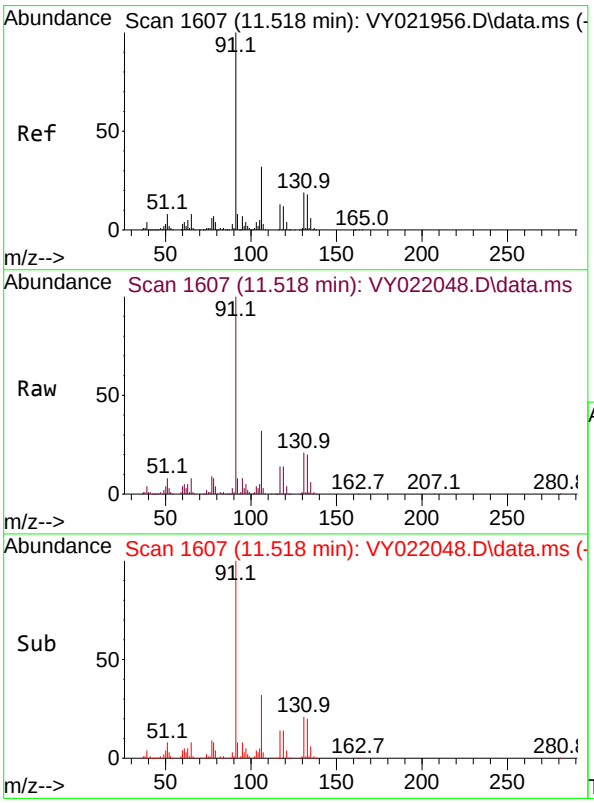
#65
Chlorobenzene
Concen: 19.792 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:112 Resp: 182043

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.0	37.4

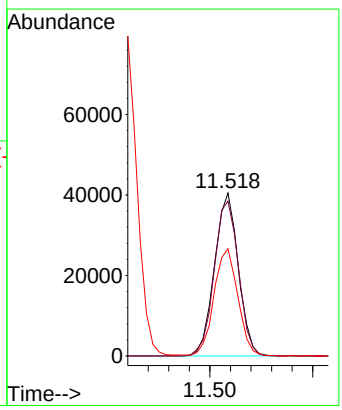


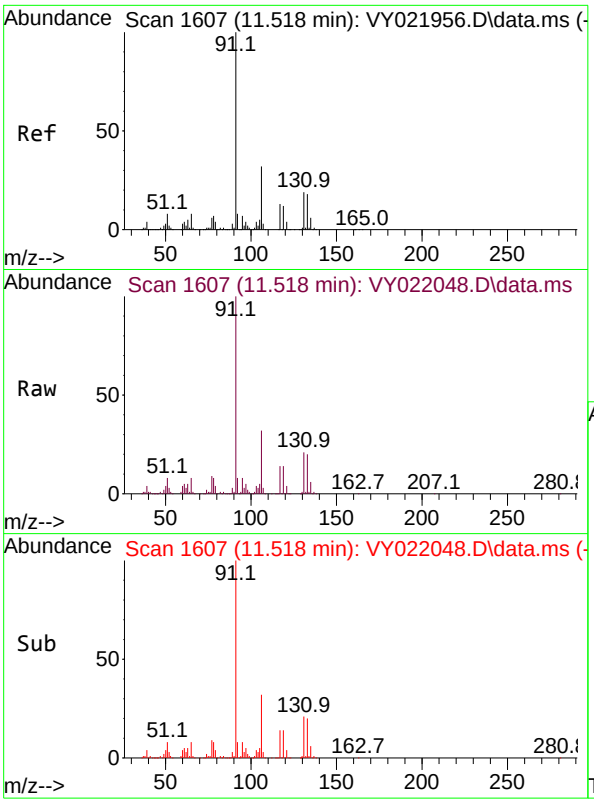


#66
1,1,1,2-Tetrachloroethane
Concen: 20.058 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:131 Resp: 64950

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.8	143.3
119	66.2	32.4	97.0



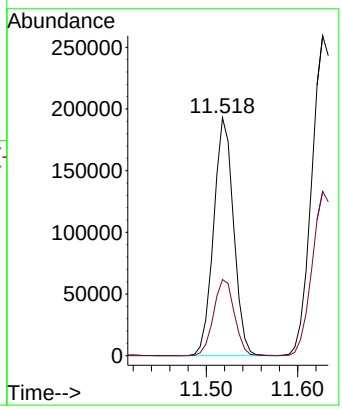


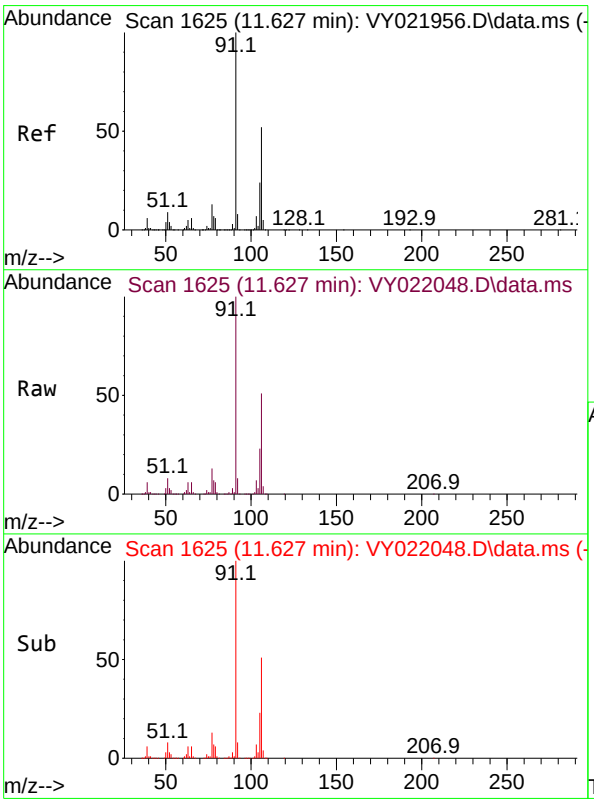
#67
Ethyl Benzene
Concen: 19.443 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 91 Resp: 292538

Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.9	38.9

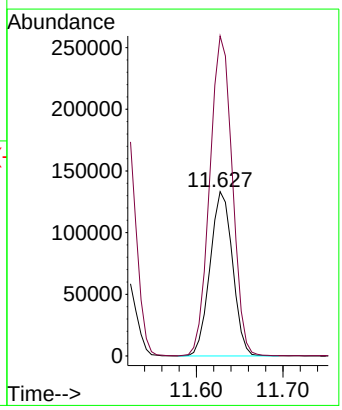


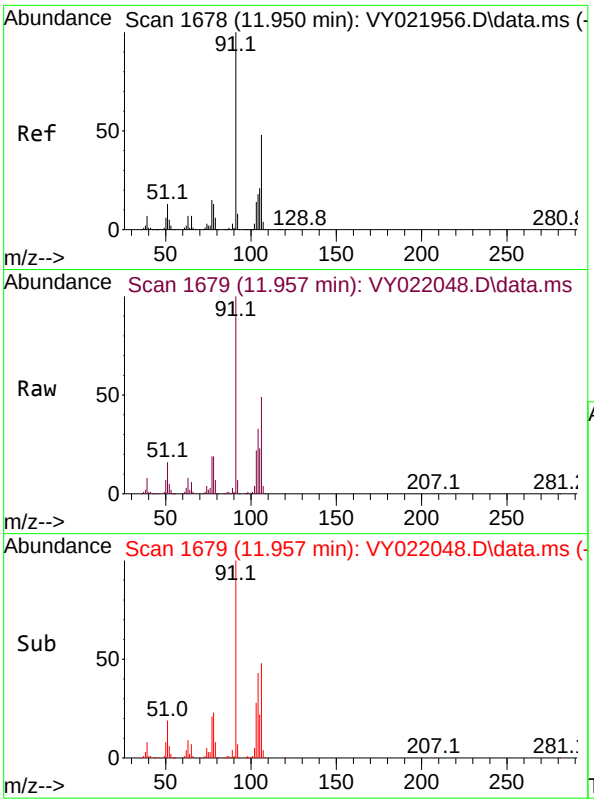


#68
m/p-Xylenes
Concen: 40.178 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:106 Resp: 240556

Ion	Ratio	Lower	Upper
106	100		
91	195.3	156.2	234.2



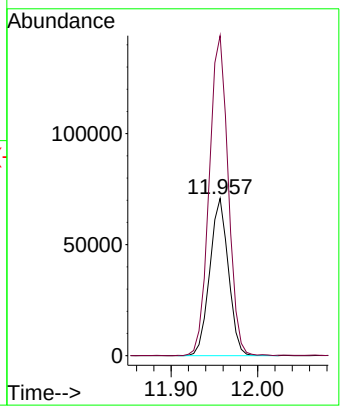


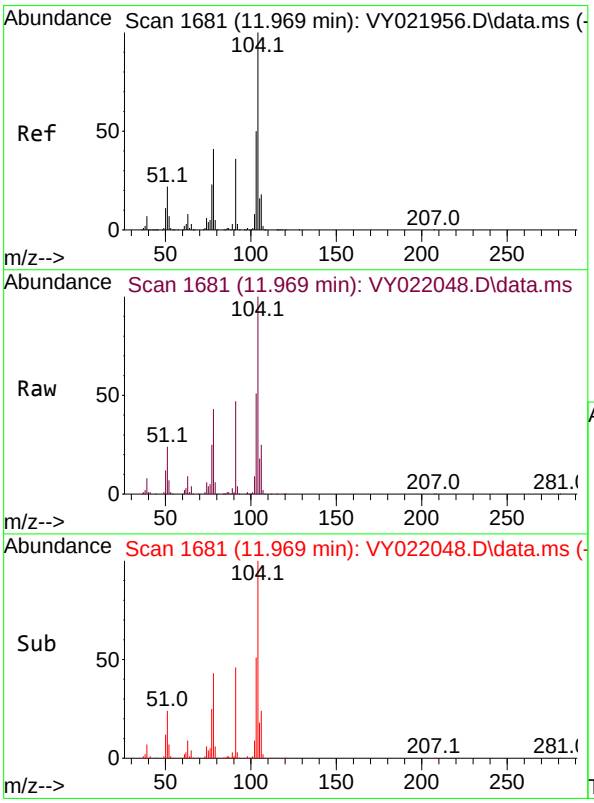
#69
o-Xylene
Concen: 19.172 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:106 Resp: 105800

Ion	Ratio	Lower	Upper
106	100		
91	207.6	103.0	308.9

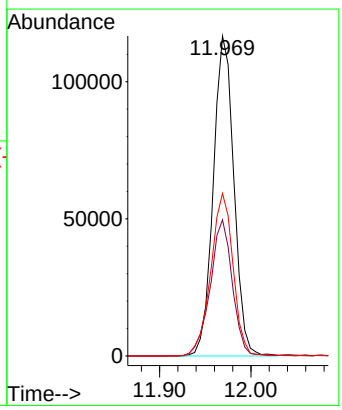


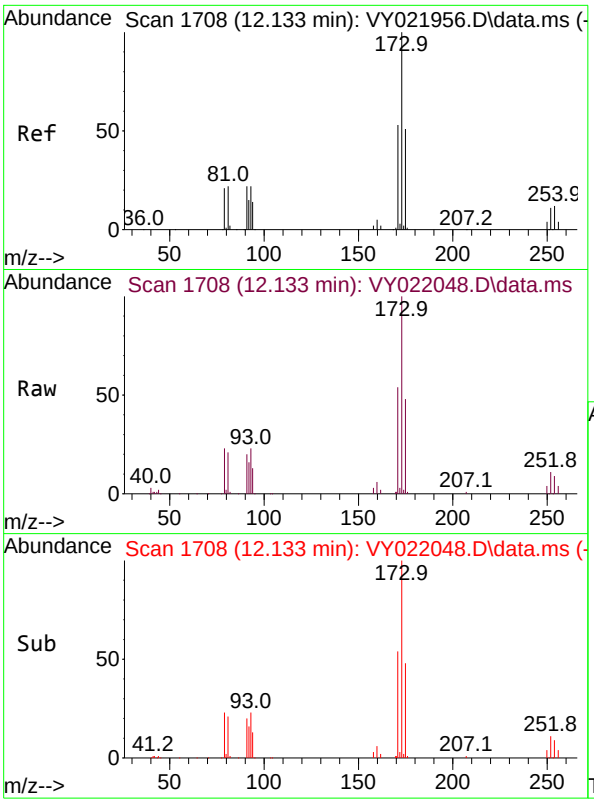


#70
Styrene
Concen: 19.770 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:104 Resp: 183180

Ion	Ratio	Lower	Upper
104	100		
78	45.6	36.6	54.8
103	54.8	43.8	65.8



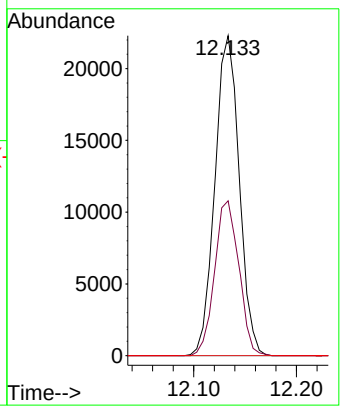


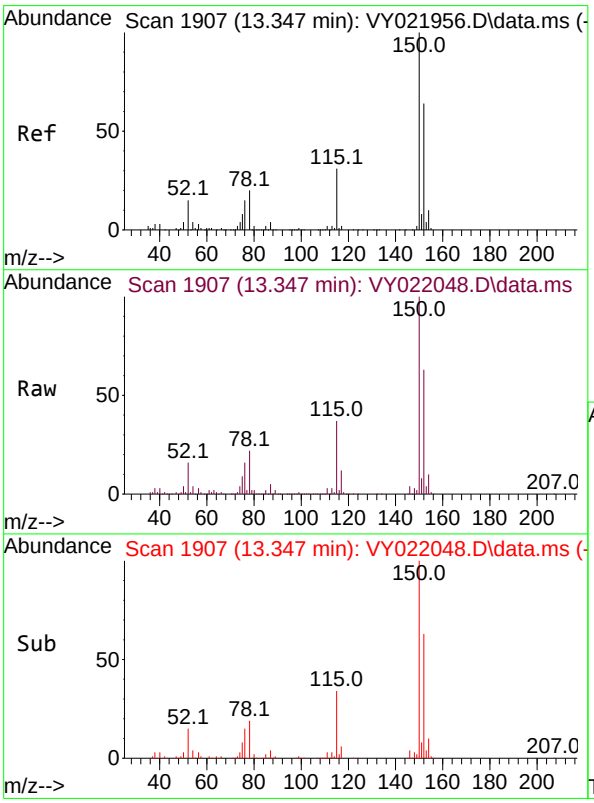
#71
Bromoform
Concen: 19.415 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:173 Resp: 36552

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.0	0.0	0.0

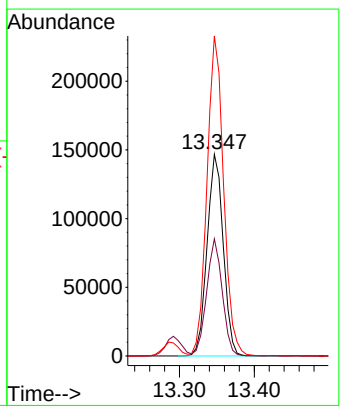


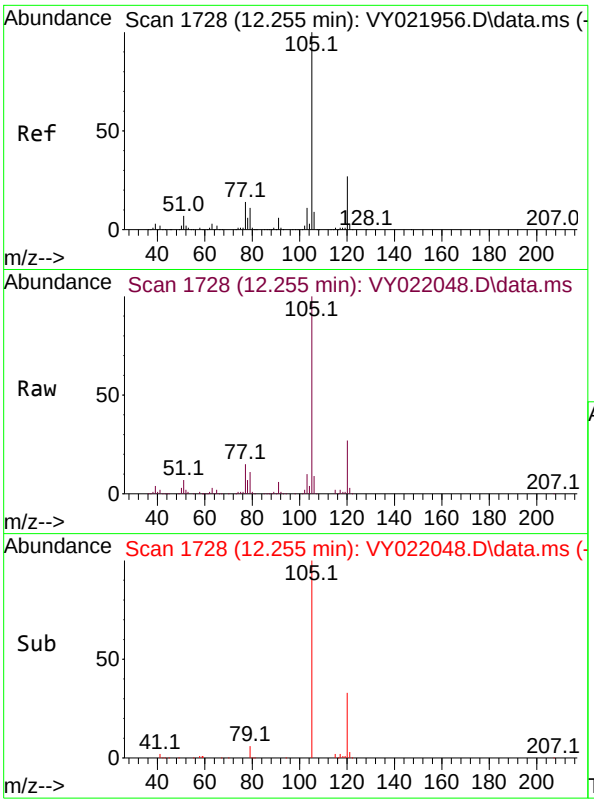


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:152 Resp: 220609

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	163.0	0.0	345.6



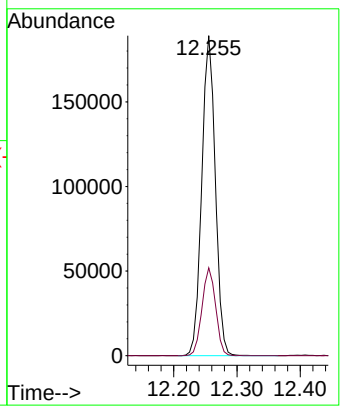


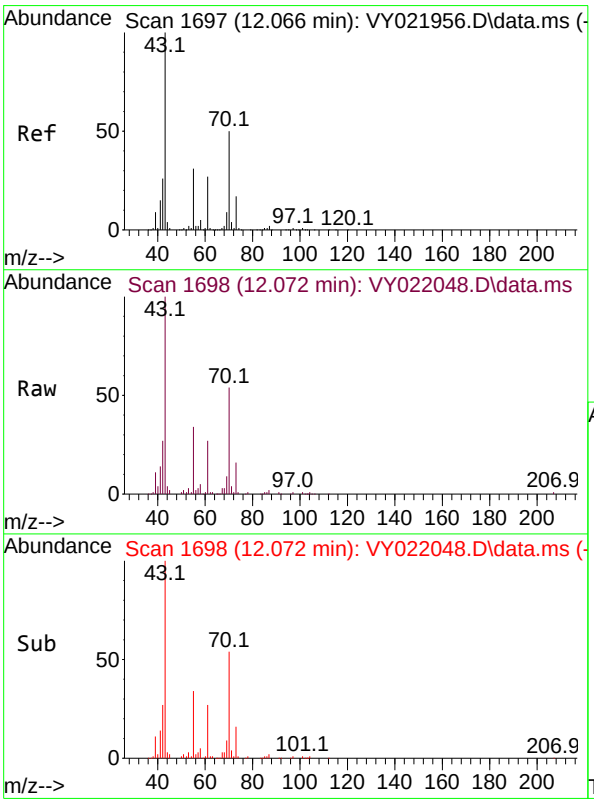
#73
Isopropylbenzene
Concen: 19.126 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:105 Resp: 281901

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5

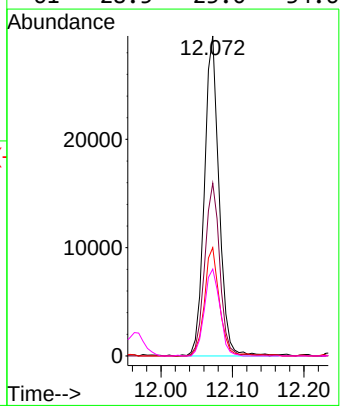


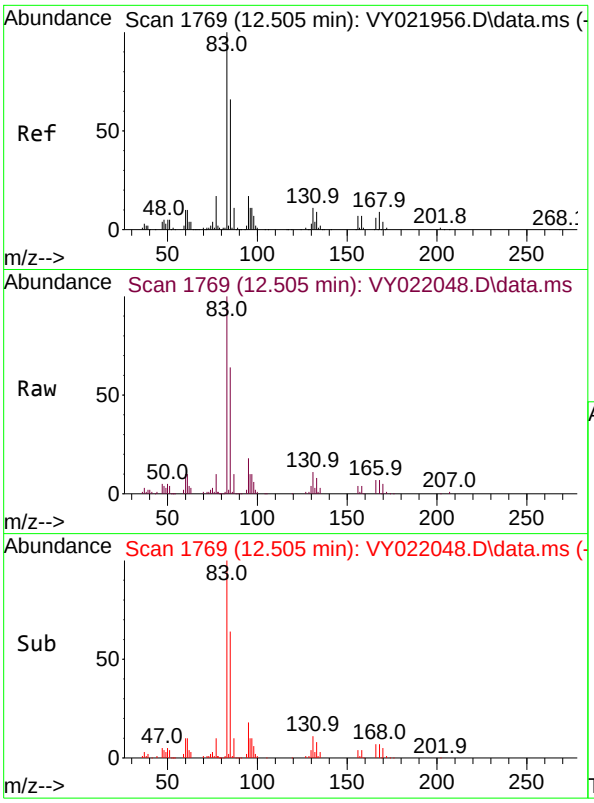


#74
N-amyl acetate
Concen: 16.664 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 43 Resp: 42199

Ion	Ratio	Lower	Upper
43	100		
70	55.3	43.2	64.8
55	34.4	25.7	38.5
61	28.5	23.0	34.6



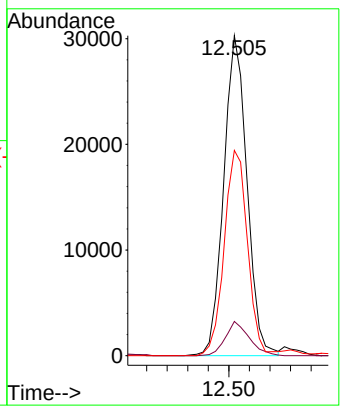


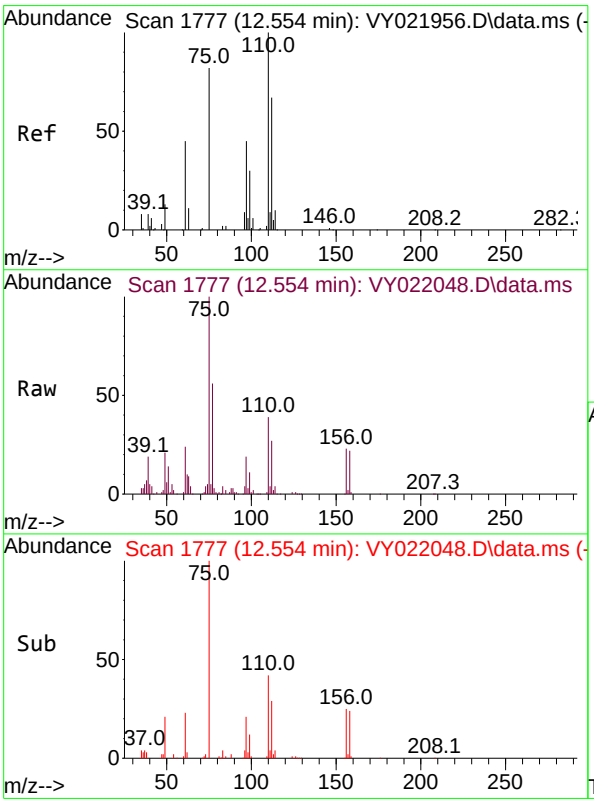
#75
1,1,2,2-Tetrachloroethane
Concen: 19.146 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 83 Resp: 47578

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.3	32.3	96.8

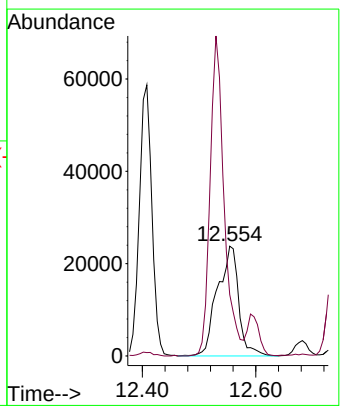


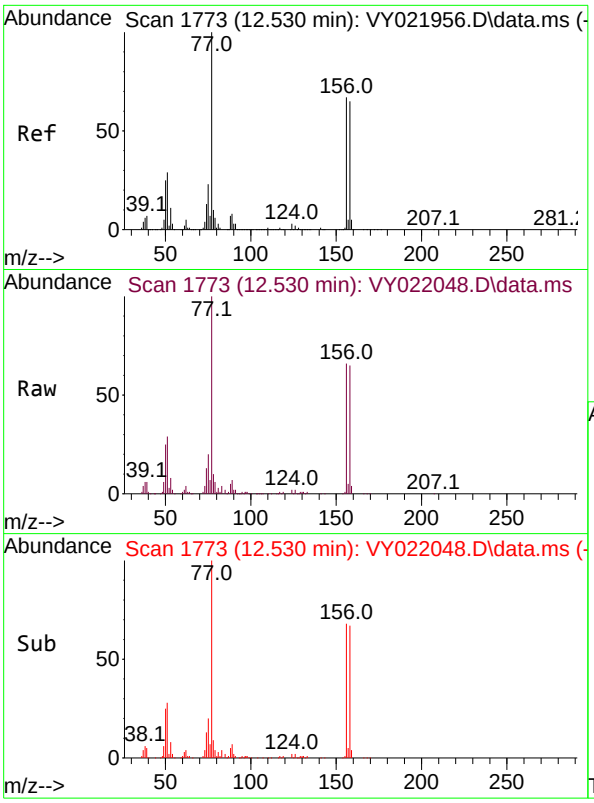


#76
1,2,3-Trichloropropane
Concen: 32.821 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 62019

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



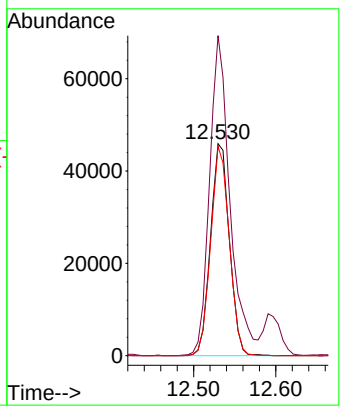


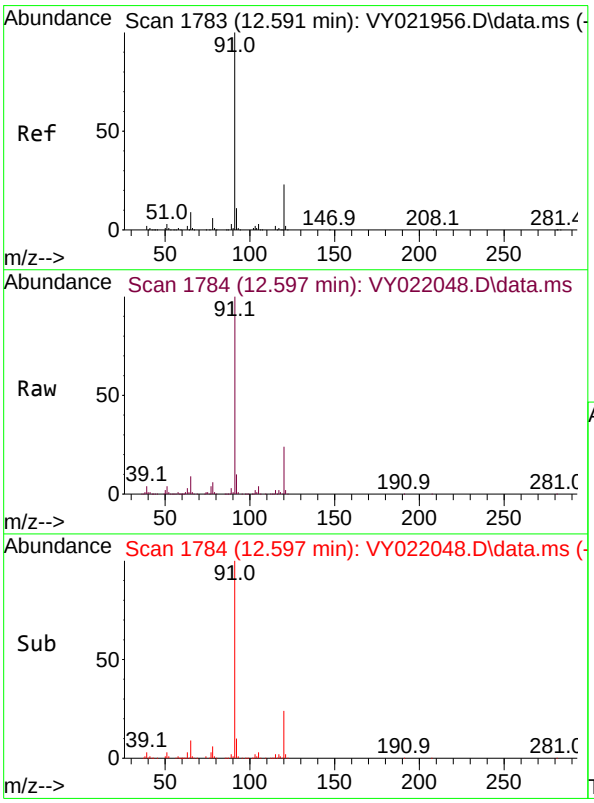
#77
Bromobenzene
Concen: 19.665 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:156 Resp: 73239

Ion	Ratio	Lower	Upper
156	100		
77	163.5	82.7	248.1
158	97.0	48.1	144.4

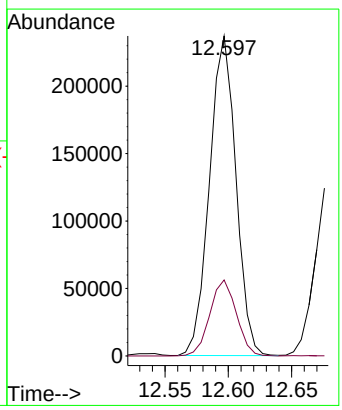


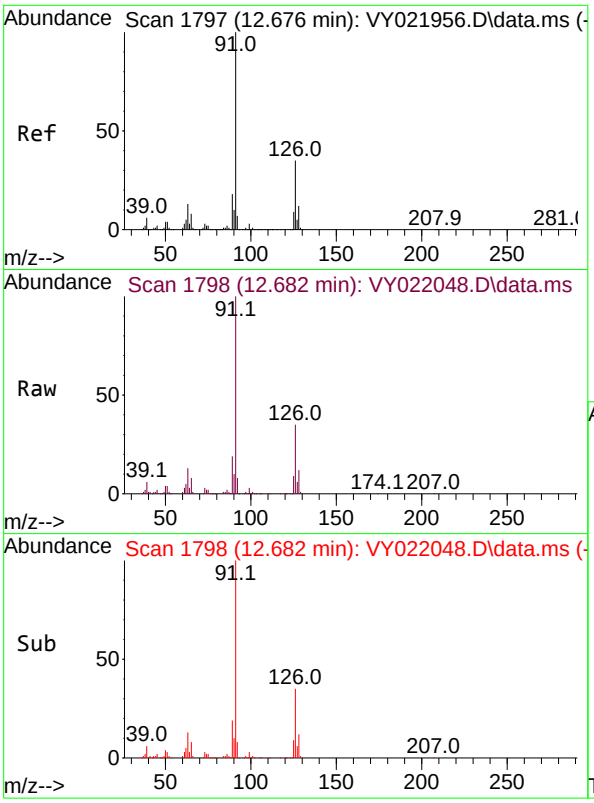


#78
n-propylbenzene
Concen: 19.616 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 344311

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5



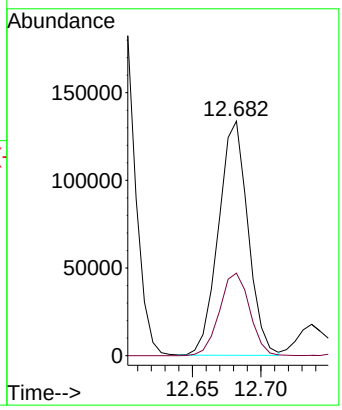


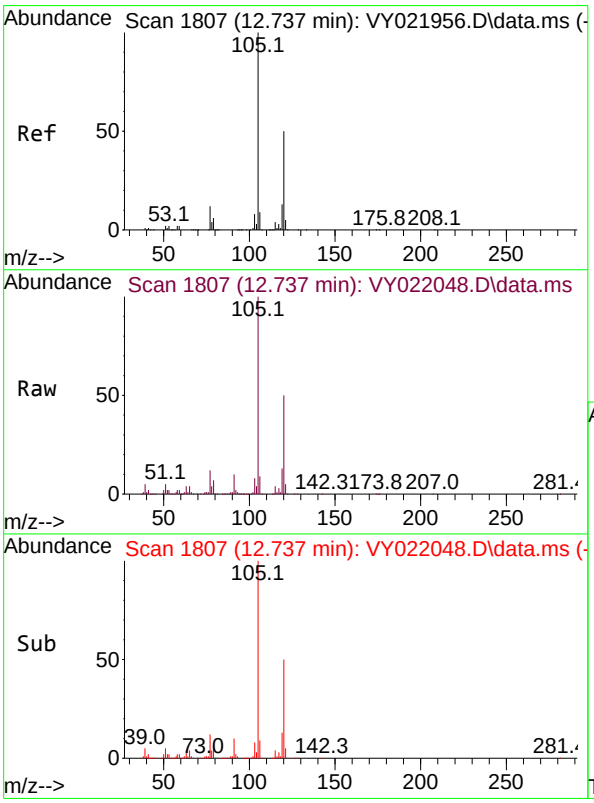
#79
2-Chlorotoluene
Concen: 19.600 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 91 Resp: 200069

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8

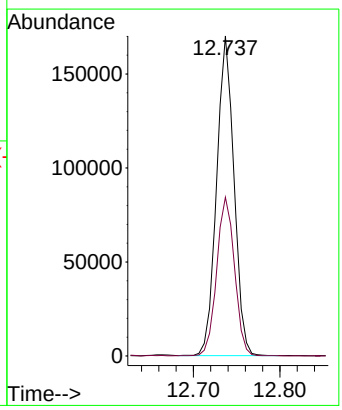


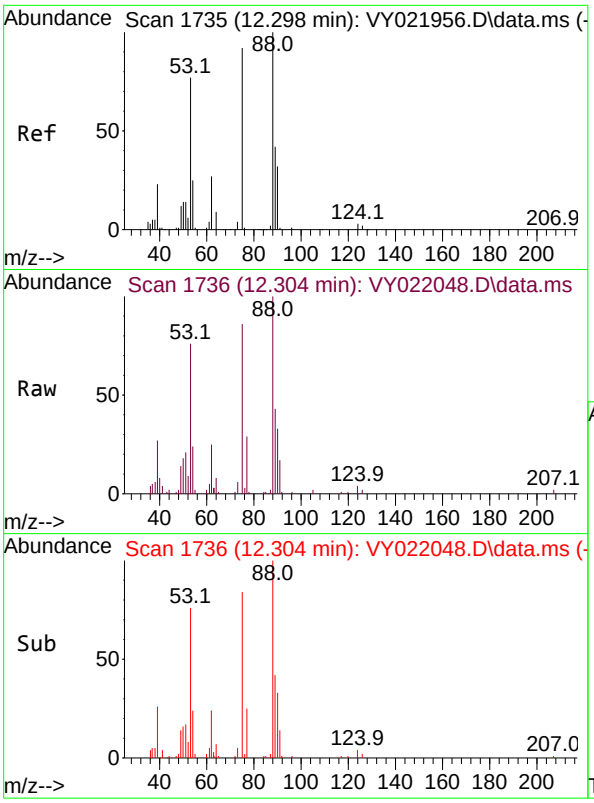


#80
1,3,5-Trimethylbenzene
Concen: 19.536 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:105 Resp: 237244

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.0	75.0



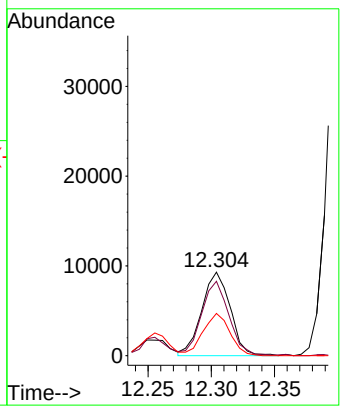


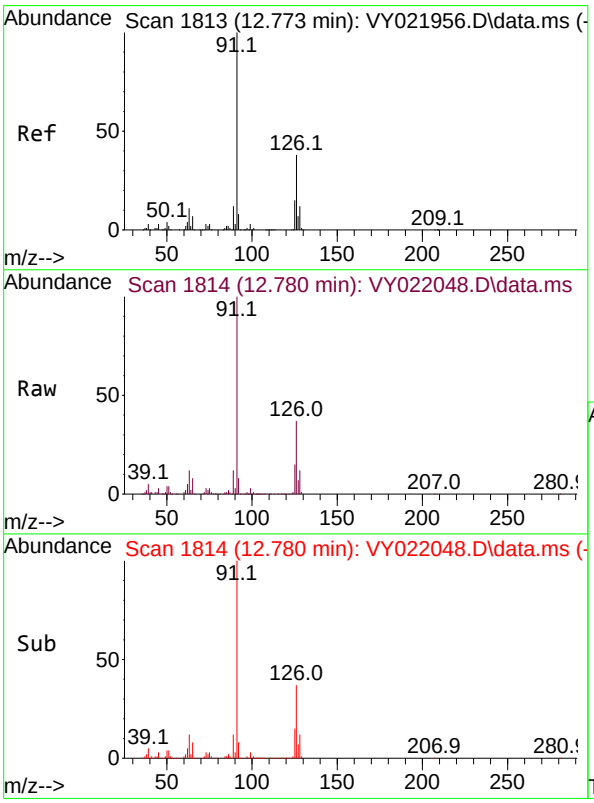
#81
trans-1,4-Dichloro-2-butene
Concen: 18.558 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 75 Resp: 14562

Ion	Ratio	Lower	Upper
75	100		
53	86.7	66.0	99.0
89	47.3	37.2	55.8

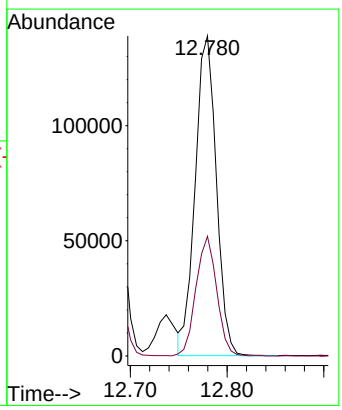


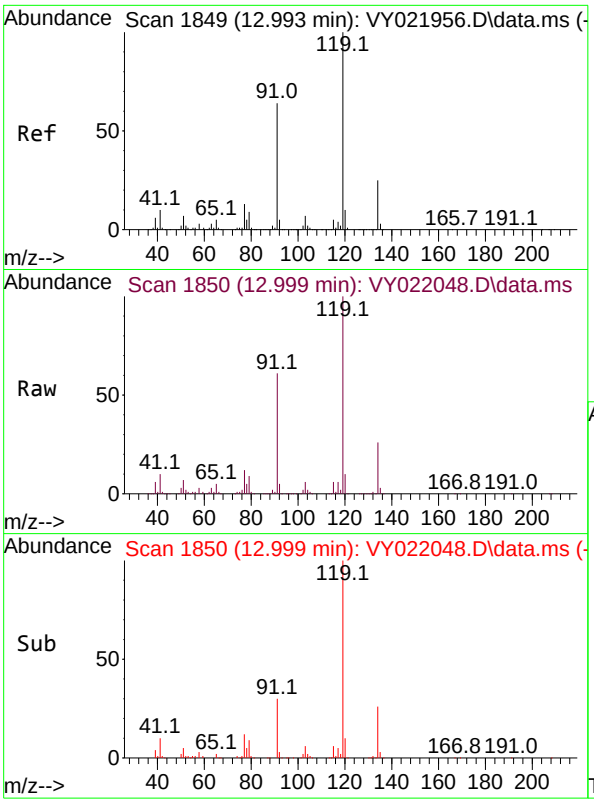


#82
4-Chlorotoluene
Concen: 19.868 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 91 Resp: 210828

Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.9	53.8



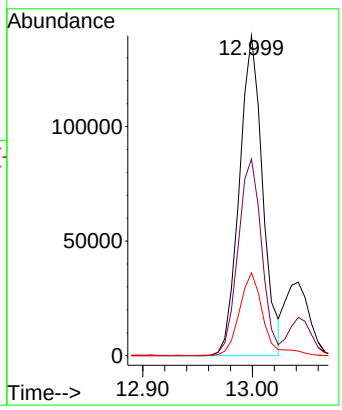


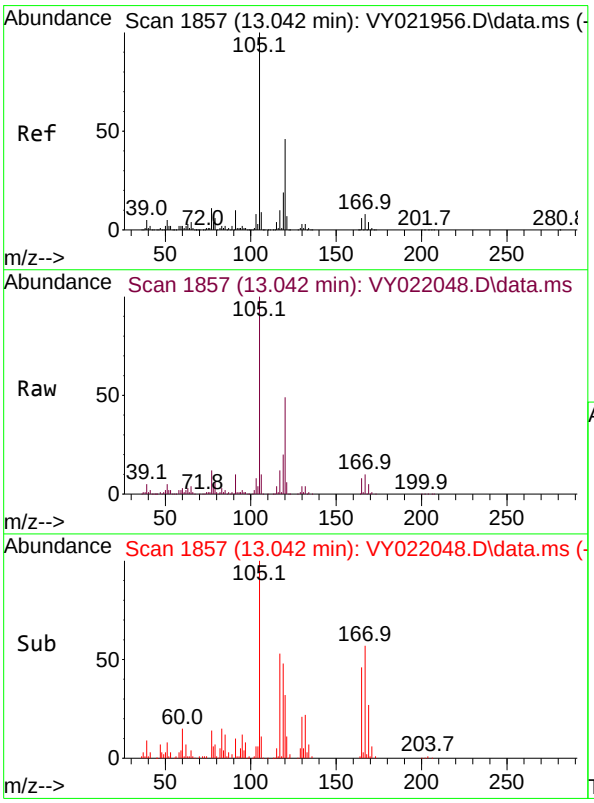
#83
tert-Butylbenzene
Concen: 18.929 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:119 Resp: 206168

Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.3	90.9
134	26.7	12.9	38.7

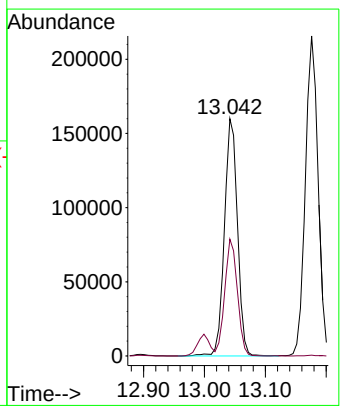


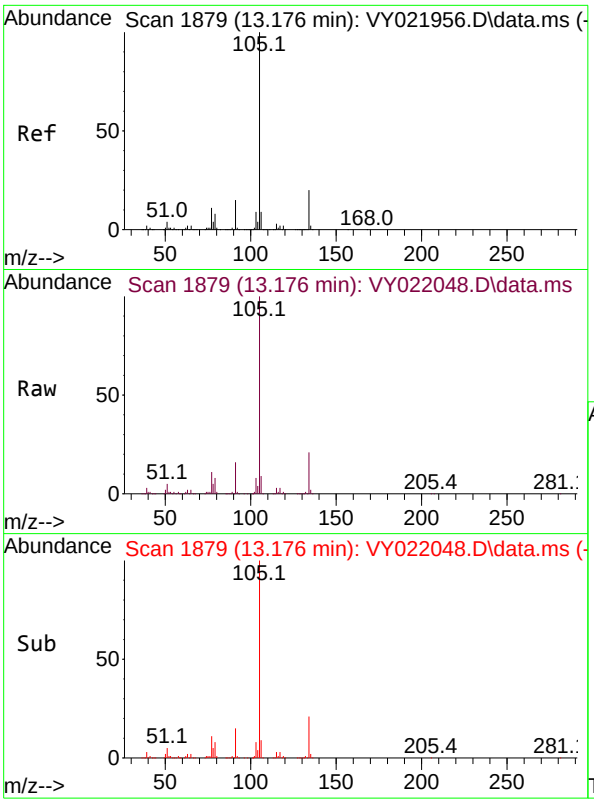


#84
1,2,4-Trimethylbenzene
Concen: 19.614 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:105 Resp: 238254

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.4	70.0



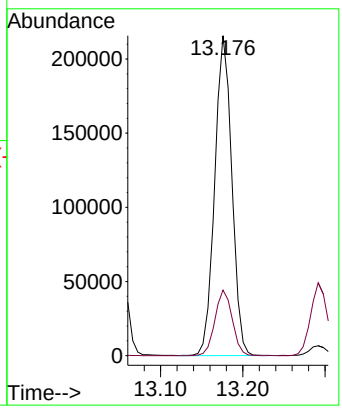


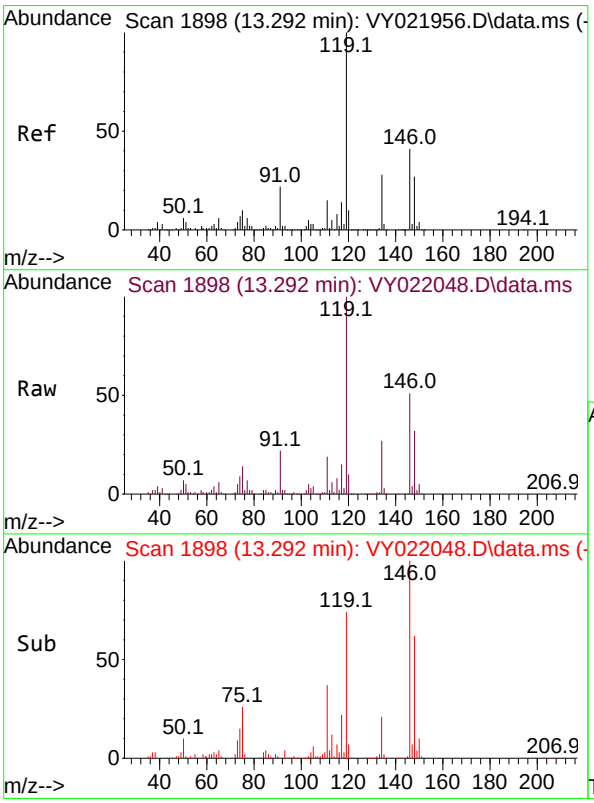
#85
sec-Butylbenzene
Concen: 19.572 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:105 Resp: 311925

Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9

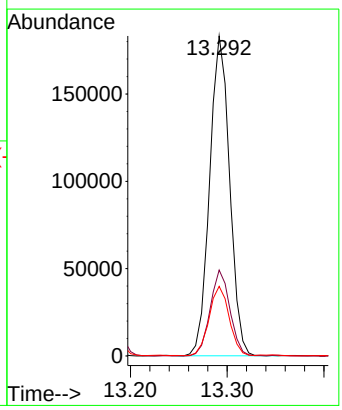


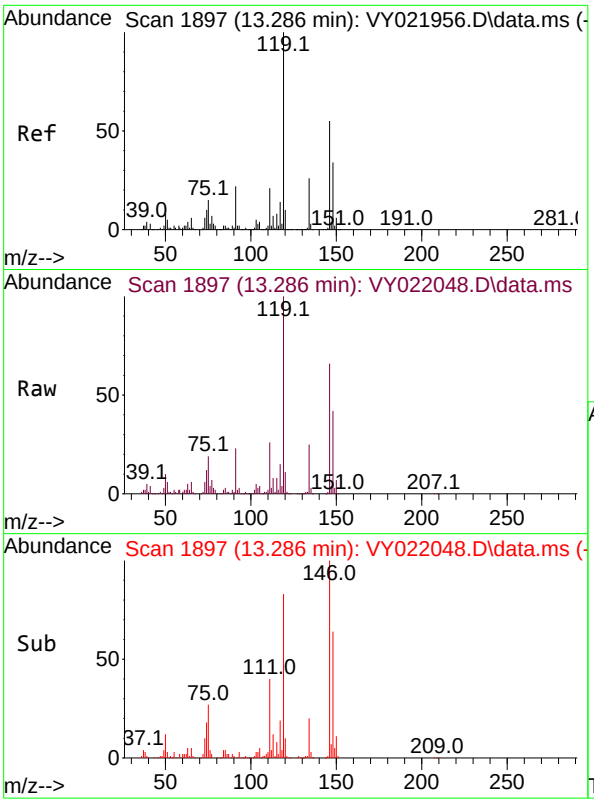


#86
p-Isopropyltoluene
Concen: 19.412 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:119 Resp: 262713

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	21.7	11.0	33.0



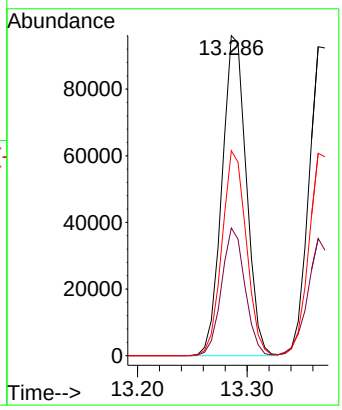


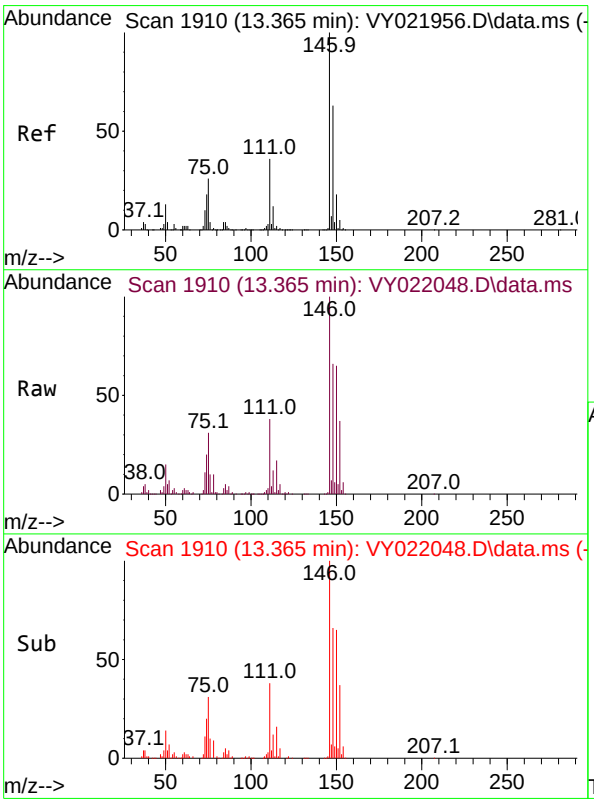
#87
1,3-Dichlorobenzene
Concen: 19.576 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:146 Resp: 148080

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.5
148	63.9	32.0	96.2

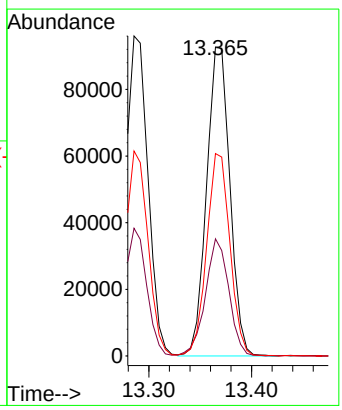


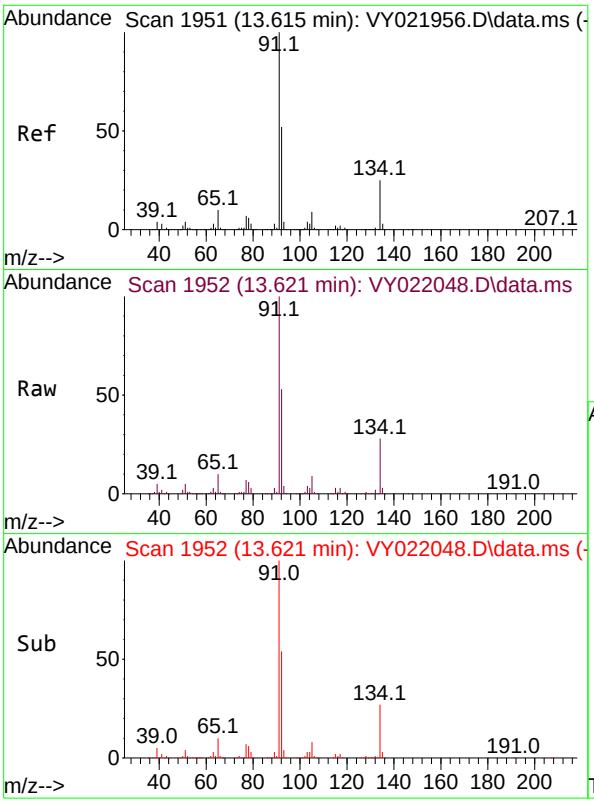


#88
1,4-Dichlorobenzene
Concen: 19.474 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:146 Resp: 145893

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	65.6	32.0	96.0



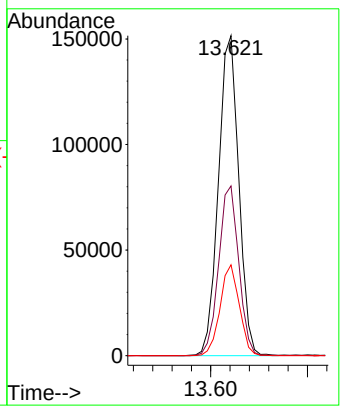


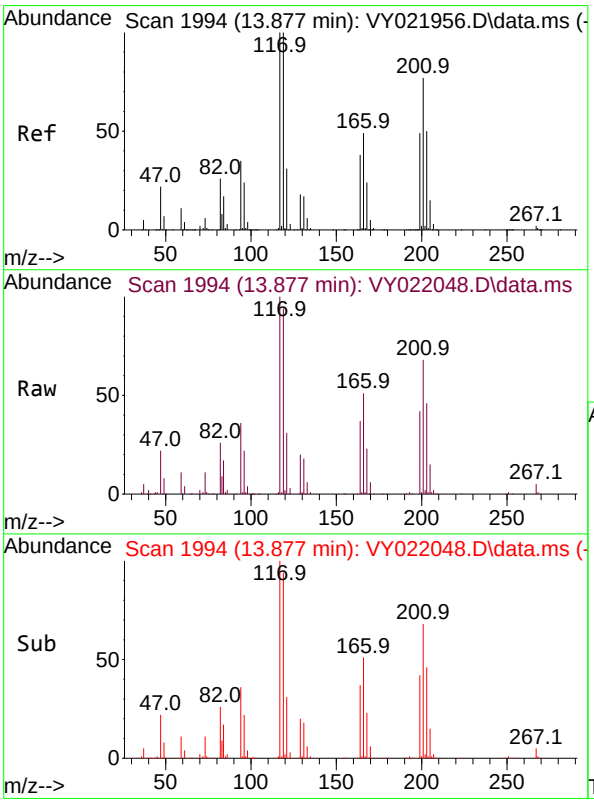
#89
n-Butylbenzene
Concen: 18.247 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion: 91 Resp: 220728

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	27.0	13.4	40.1

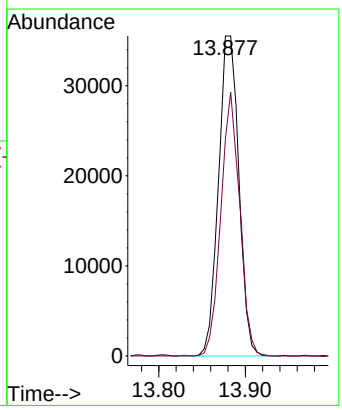


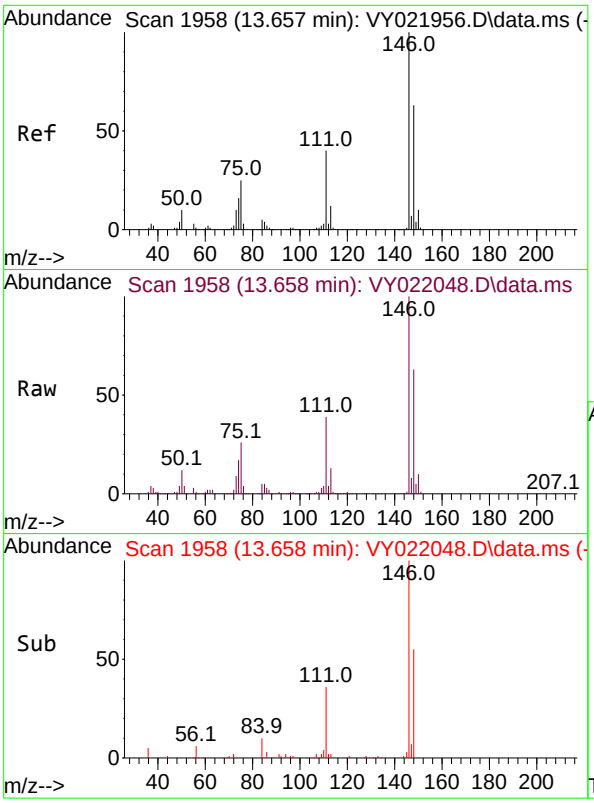


#90
Hexachloroethane
Concen: 19.525 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:117 Resp: 58056

Ion	Ratio	Lower	Upper
117	100		
201	76.5	38.7	116.1



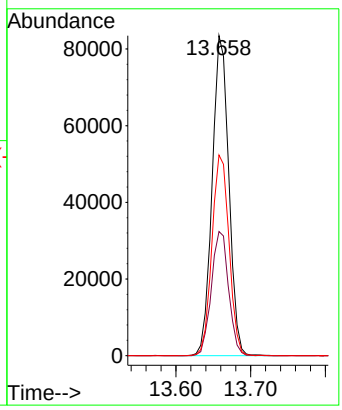


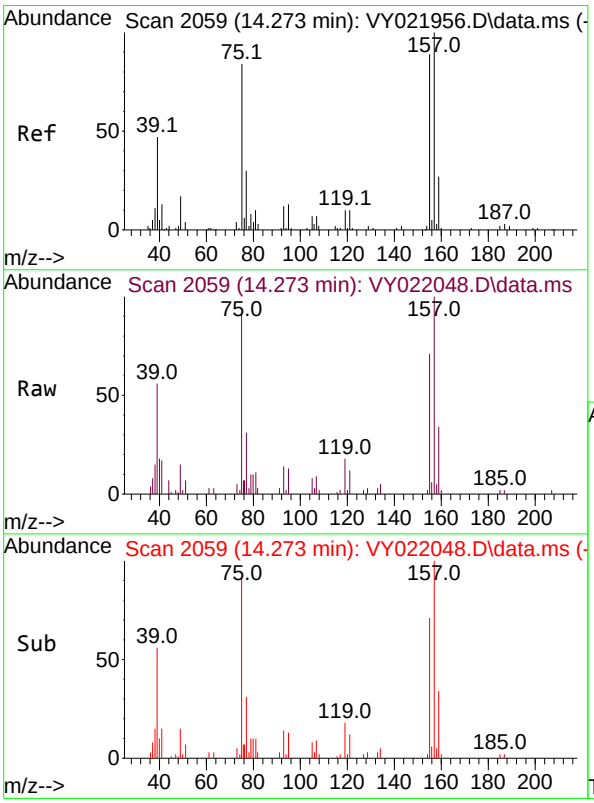
#91
1,2-Dichlorobenzene
Concen: 19.546 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:146 Resp: 128956

Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.1
148	64.5	32.1	96.3

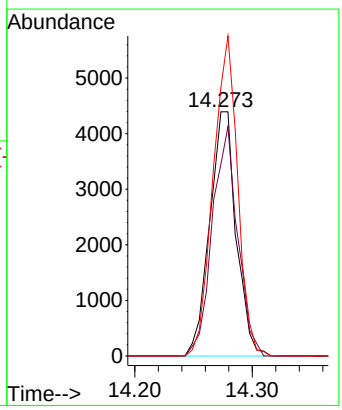


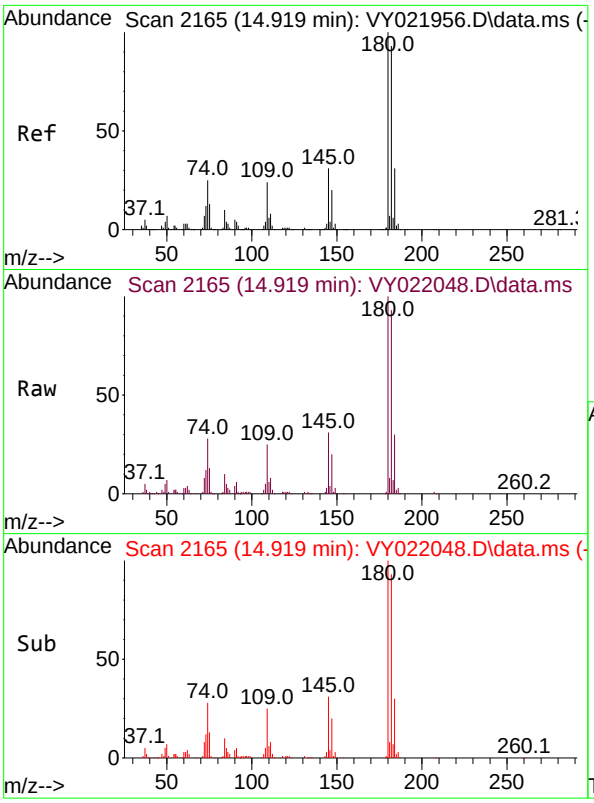


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.400 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion: 75 Resp: 6879

Ion	Ratio	Lower	Upper
75	100		
155	89.7	50.7	152.3
157	121.0	62.6	187.8



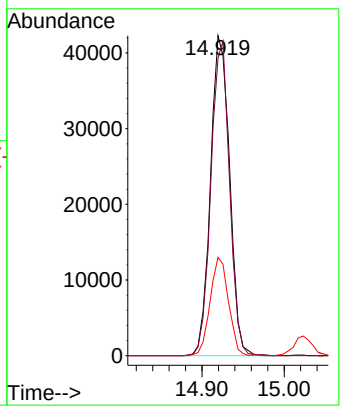


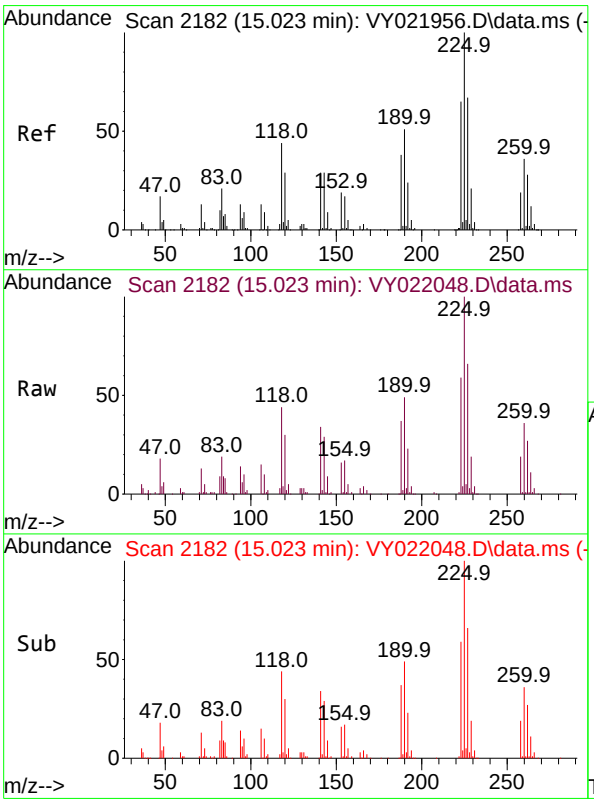
#93
1,2,4-Trichlorobenzene
Concen: 18.255 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:180 Resp: 68247

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	29.6	15.0	45.0

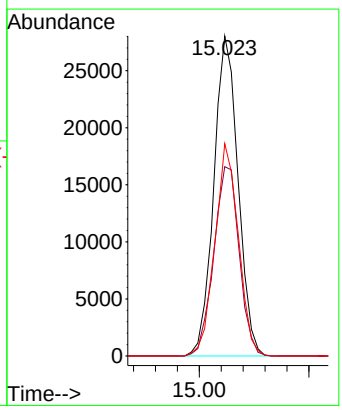


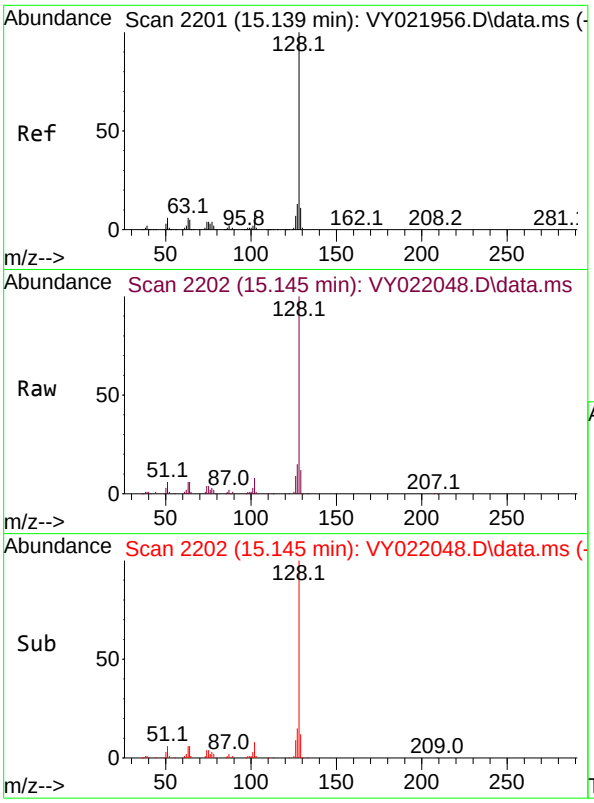


#94
Hexachlorobutadiene
Concen: 18.730 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:225 Resp: 43083

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.5
227	64.3	32.3	96.9



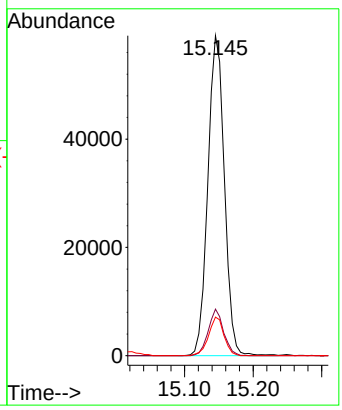


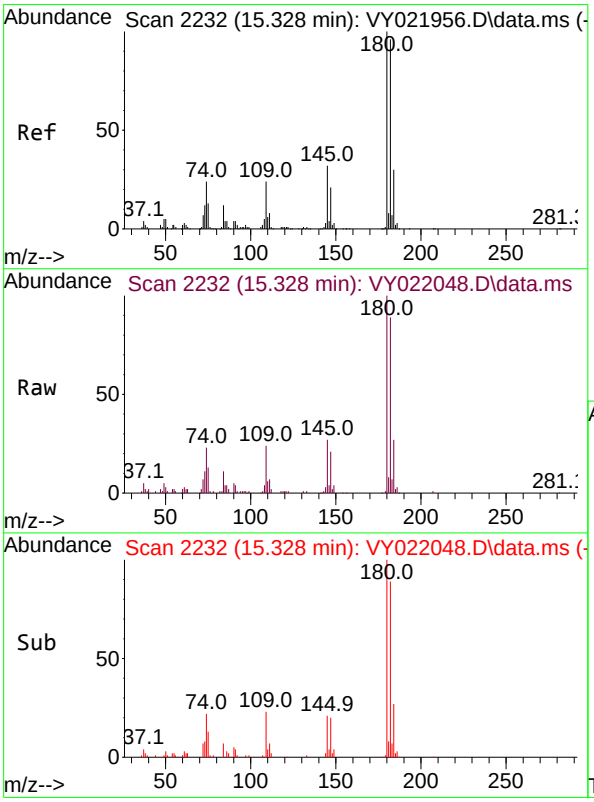
#95
Naphthalene
Concen: 15.964 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBS01

Tgt Ion:128 Resp: 99146

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.3	8.9	13.3

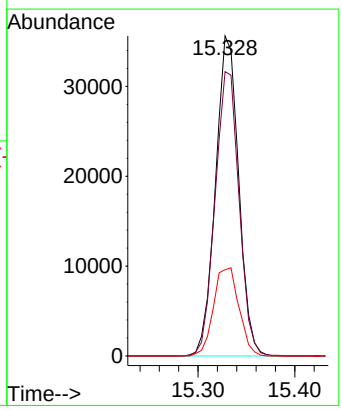




#96
1,2,3-Trichlorobenzene
Concen: 18.341 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022048.D
Acq: 29 Apr 2025 10:31

Tgt Ion:180 Resp: 59189

Ion	Ratio	Lower	Upper
180	100		
182	91.8	48.1	144.4
145	30.3	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	291903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	448136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	409949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	218010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132942	49.306	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.620%			
35) Dibromofluoromethane	7.634	113	151267	51.093	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.180%			
50) Toluene-d8	10.109	98	574864	51.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.000%			
62) 4-Bromofluorobenzene	12.408	95	189774	50.506	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	50434	20.277	ug/l	100
3) Chloromethane	2.068	50	74819	21.125	ug/l	100
4) Vinyl Chloride	2.202	62	86763	19.936	ug/l	98
5) Bromomethane	2.592	94	81132	21.638	ug/l	98
6) Chloroethane	2.732	64	60515	20.416	ug/l	97
7) Trichlorofluoromethane	3.050	101	117953	20.553	ug/l	95
8) Diethyl Ether	3.458	74	29207	19.553	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	62852	20.189	ug/l	100
10) Methyl Iodide	4.001	142	72159	20.019	ug/l	99
11) Tert butyl alcohol	4.891	59	14560	98.364	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	58514	20.164	ug/l	94
13) Acrolein	3.653	56	25330	95.343	ug/l	98
14) Allyl chloride	4.379	41	65987	19.529	ug/l	99
15) Acrylonitrile	5.067	53	54870	100.340	ug/l	97
16) Acetone	3.879	43	38055	94.548	ug/l	90
17) Carbon Disulfide	4.104	76	183685	19.853	ug/l	98
18) Methyl Acetate	4.385	43	27586	21.903	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	128332	19.759	ug/l	98
20) Methylene Chloride	4.610	84	67632	19.837	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	65695	20.215	ug/l	95
22) Diisopropyl ether	6.018	45	152428	20.272	ug/l	96
23) Vinyl Acetate	5.964	43	394142	97.261	ug/l	99
24) 1,1-Dichloroethane	5.921	63	105238	20.191	ug/l	99
25) 2-Butanone	6.896	43	59219	96.354	ug/l	96
26) 2,2-Dichloropropane	6.884	77	93930	20.562	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73804	20.310	ug/l	99
28) Bromochloromethane	7.244	49	42480	20.983	ug/l	99
29) Tetrahydrofuran	7.262	42	38986	97.667	ug/l	98
30) Chloroform	7.421	83	119936	20.745	ug/l	99
31) Cyclohexane	7.701	56	86354	19.375	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	107276	20.510	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81364	20.459	ug/l	99
37) Ethyl Acetate	6.982	43	28671	20.073	ug/l	97
38) Carbon Tetrachloride	7.817	117	100223	21.090	ug/l	94
39) Methylcyclohexane	9.109	83	97715	19.525	ug/l	94
40) Benzene	8.079	78	259113	20.843	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	14935	19.128	ug/l		94
42) 1,2-Dichloroethane	8.158	62	63977	20.786	ug/l		99
43) Isopropyl Acetate	8.195	43	54414	19.838	ug/l		97
44) Trichloroethene	8.866	130	73238	21.269	ug/l		99
45) 1,2-Dichloropropane	9.140	63	58177	21.161	ug/l		96
46) Dibromomethane	9.231	93	36339	21.115	ug/l		100
47) Bromodichloromethane	9.426	83	90012	20.937	ug/l		99
48) Methyl methacrylate	9.219	41	24153	19.048	ug/l		91
49) 1,4-Dioxane	9.237	88	7262	395.905	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	145133	100.935	ug/l		99
52) Toluene	10.170	92	170433	21.179	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	74659	20.246	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	91589	20.894	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	48989	21.310	ug/l		96
56) Ethyl methacrylate	10.438	69	50609	19.251	ug/l		97
57) 1,3-Dichloropropane	10.719	76	76028	20.630	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	130145	101.254	ug/l		99
59) 2-Hexanone	10.762	43	92347	97.370	ug/l		97
60) Dibromochloromethane	10.908	129	66559	20.913	ug/l		100
61) 1,2-Dibromoethane	11.018	107	45004	20.737	ug/l		100
64) Tetrachloroethene	10.646	164	82533	21.341	ug/l		99
65) Chlorobenzene	11.438	112	189085	20.626	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	67699	20.976	ug/l		99
67) Ethyl Benzene	11.518	91	300699	20.051	ug/l		98
68) m/p-Xylenes	11.627	106	246885	41.372	ug/l		100
69) o-Xylene	11.956	106	112115	20.384	ug/l		100
70) Styrene	11.969	104	191054	20.688	ug/l		99
71) Bromoform	12.133	173	38927	20.745	ug/l	#	99
73) Isopropylbenzene	12.255	105	290274	19.929	ug/l		100
74) N-amyl acetate	12.066	43	45873	18.331	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	51744	21.071	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	65896	35.288	ug/l	#	100
77) Bromobenzene	12.530	156	75612	20.544	ug/l		99
78) n-propylbenzene	12.597	91	351661	20.274	ug/l		99
79) 2-Chlorotoluene	12.682	91	204997	20.322	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	244799	20.398	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	15043	19.399	ug/l		97
82) 4-Chlorotoluene	12.773	91	216790	20.674	ug/l		99
83) tert-Butylbenzene	12.999	119	216972	20.159	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	247217	20.595	ug/l		100
85) sec-Butylbenzene	13.176	105	318982	20.253	ug/l		99
86) p-Isopropyltoluene	13.292	119	269435	20.146	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	155202	20.762	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	153508	20.735	ug/l		99
89) n-Butylbenzene	13.615	91	231371	19.355	ug/l		99
90) Hexachloroethane	13.877	117	59236	20.159	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	133628	20.496	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7437	19.035	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	72581	19.645	ug/l		98
94) Hexachlorobutadiene	15.023	225	47255	20.788	ug/l		96
95) Naphthalene	15.145	128	112172	18.277	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	64078	20.092	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

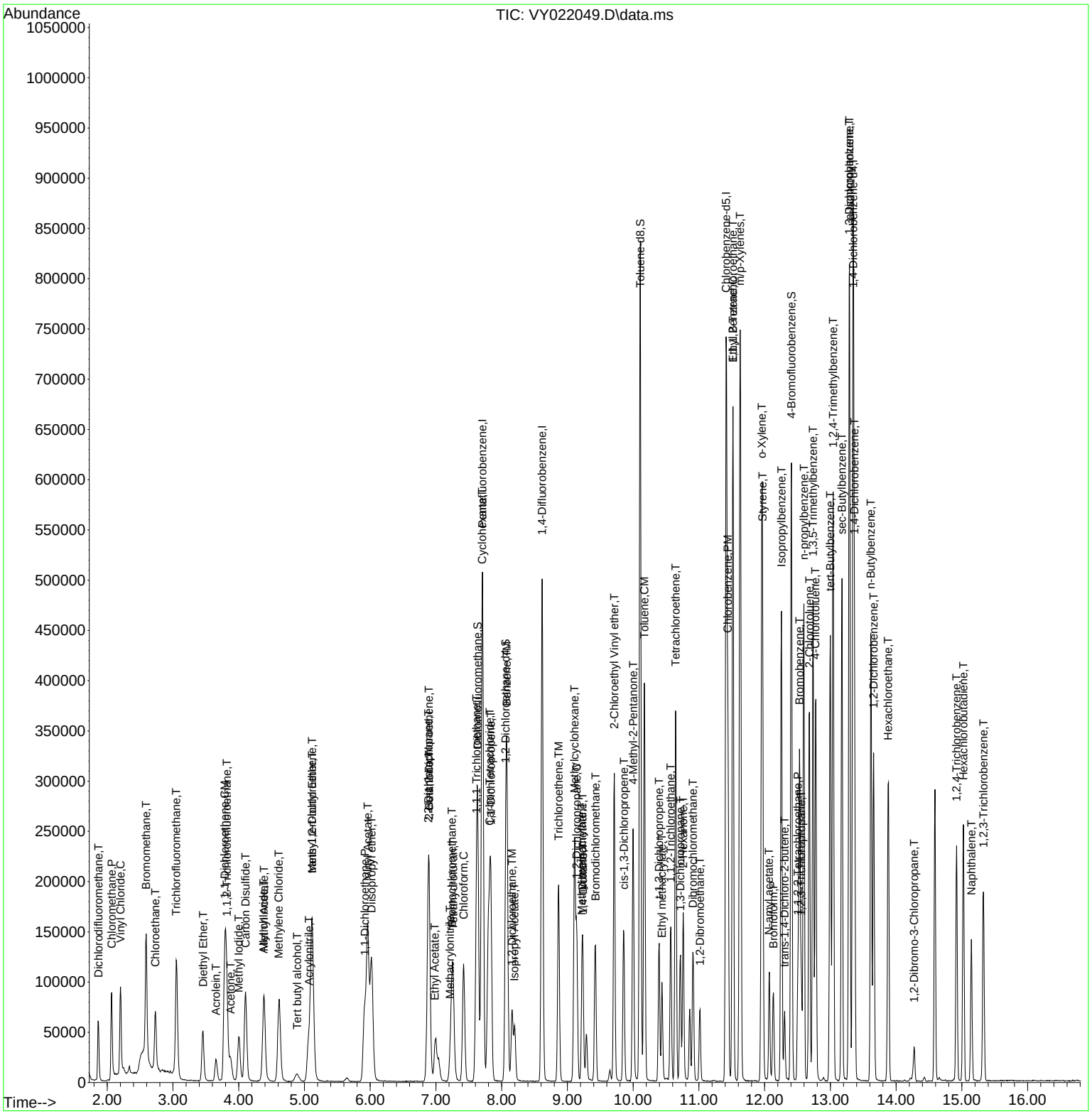
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

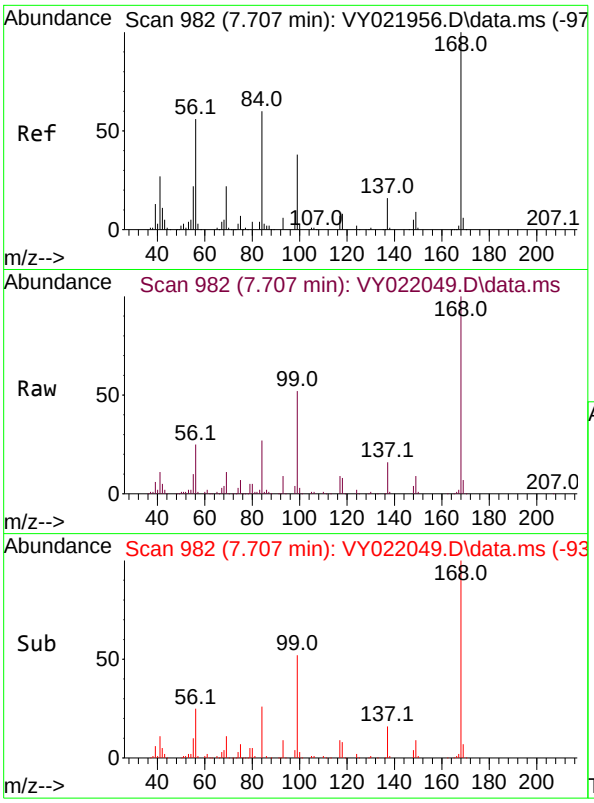
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022049.D
Acq On : 29 Apr 2025 10:53
Operator : SY/MD
Sample : VY0429SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Quant Time: Apr 30 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



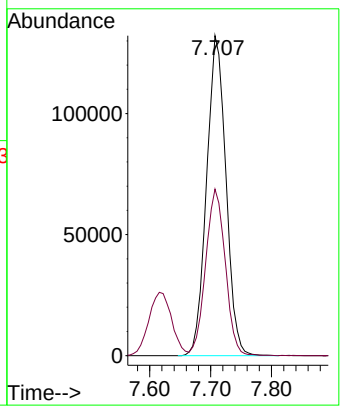


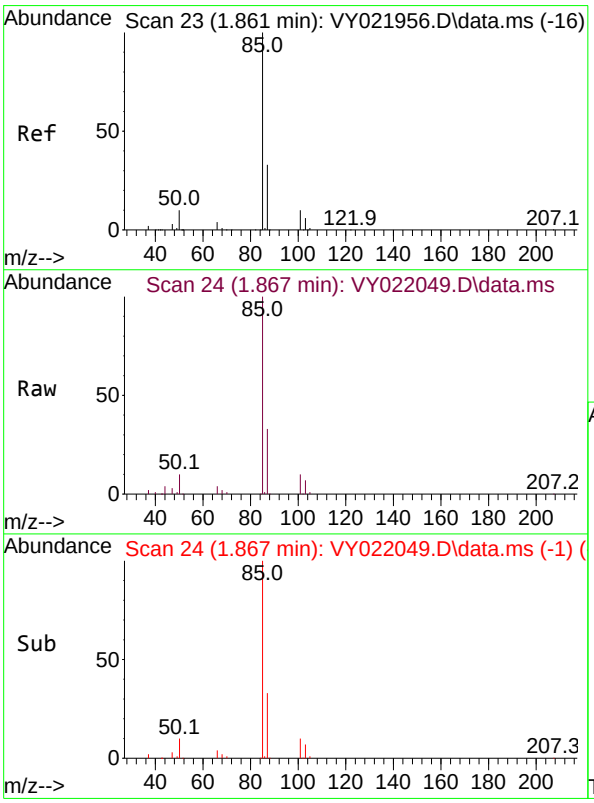
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:168 Resp: 291903

Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7

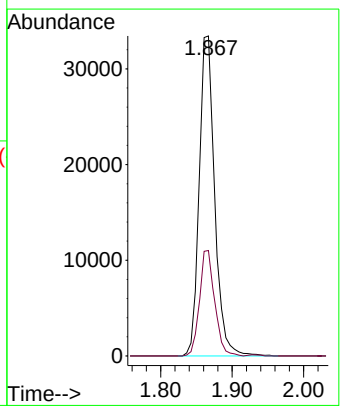


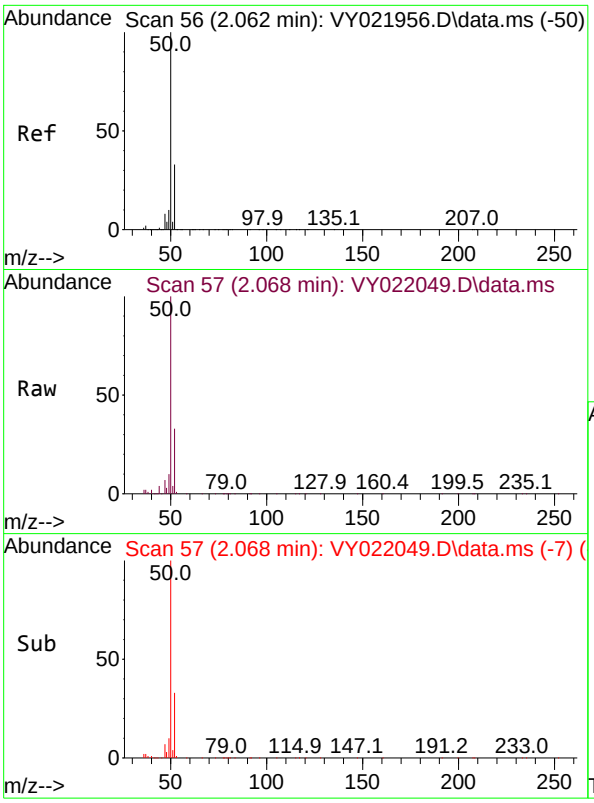


#2
Dichlorodifluoromethane
Concen: 20.277 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 85 Resp: 50434

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.7



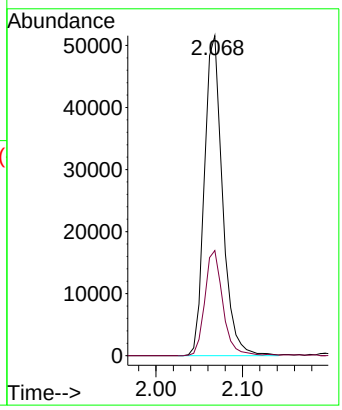


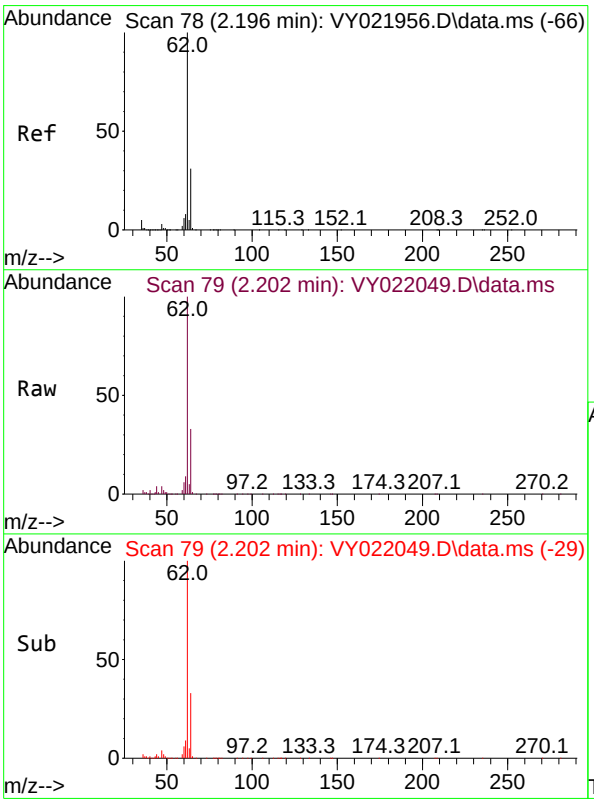
#3
Chloromethane
Concen: 21.125 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 50 Resp: 74819

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

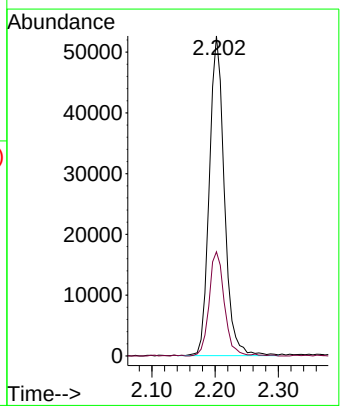


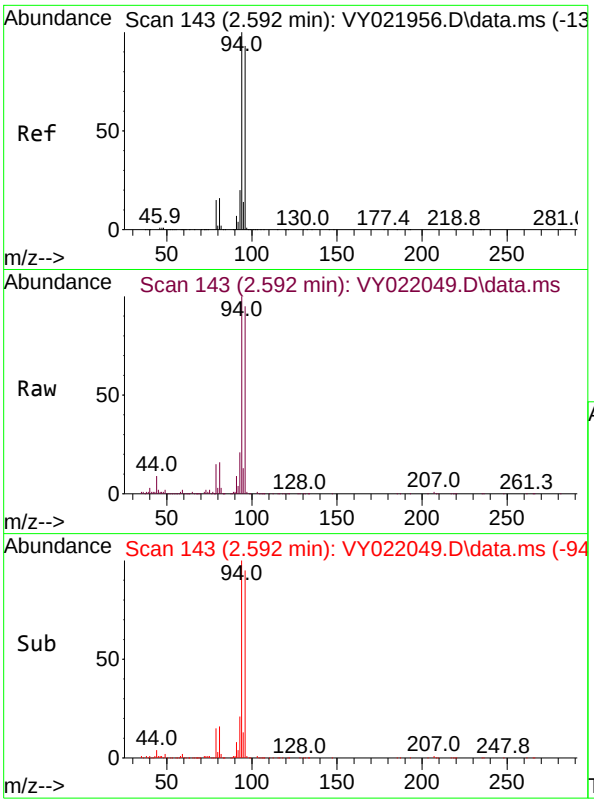


#4
Vinyl Chloride
Concen: 19.936 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 62 Resp: 86763

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.1	37.7



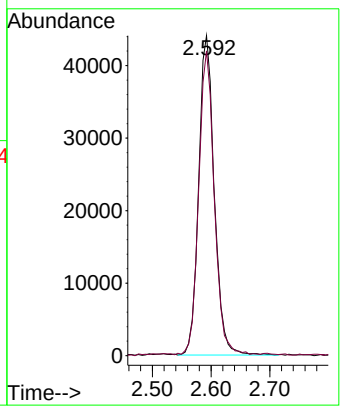


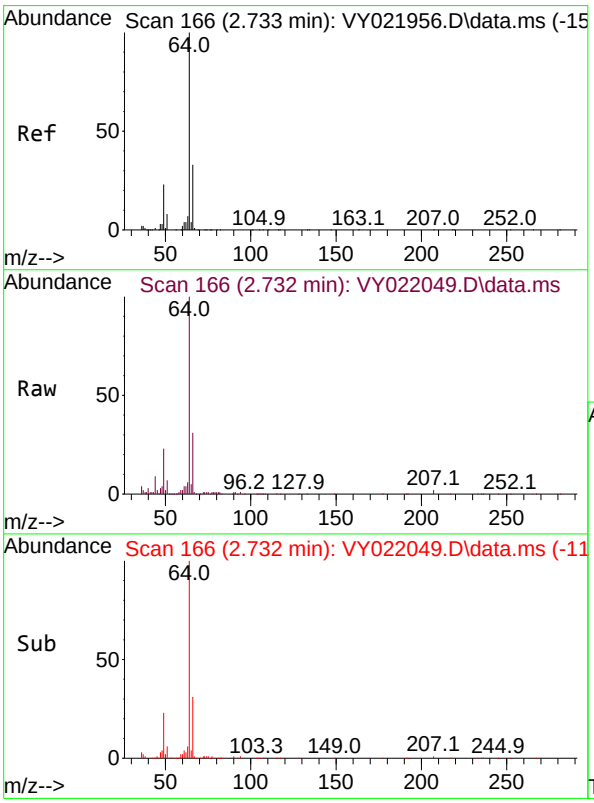
#5
Bromomethane
Concen: 21.638 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 94 Resp: 81132

Ion	Ratio	Lower	Upper
94	100		
96	95.0	74.6	111.8

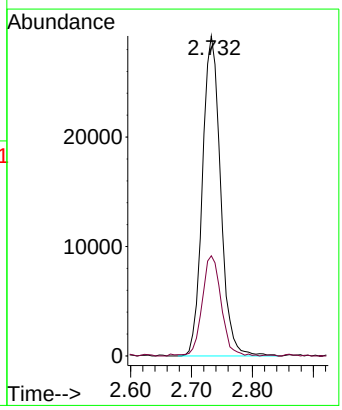


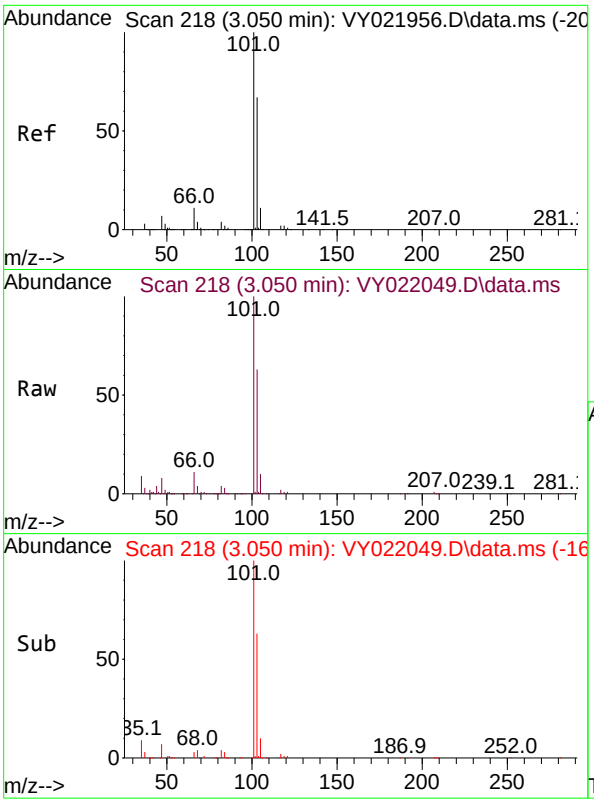


#6
Chloroethane
Concen: 20.416 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 64 Resp: 60515

Ion	Ratio	Lower	Upper
64	100		
66	31.3	26.2	39.4



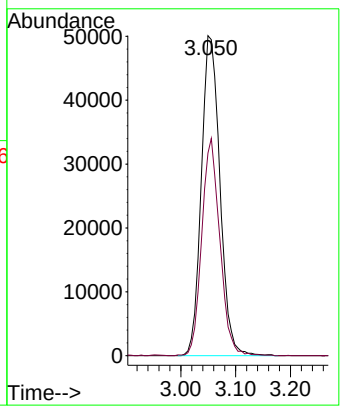


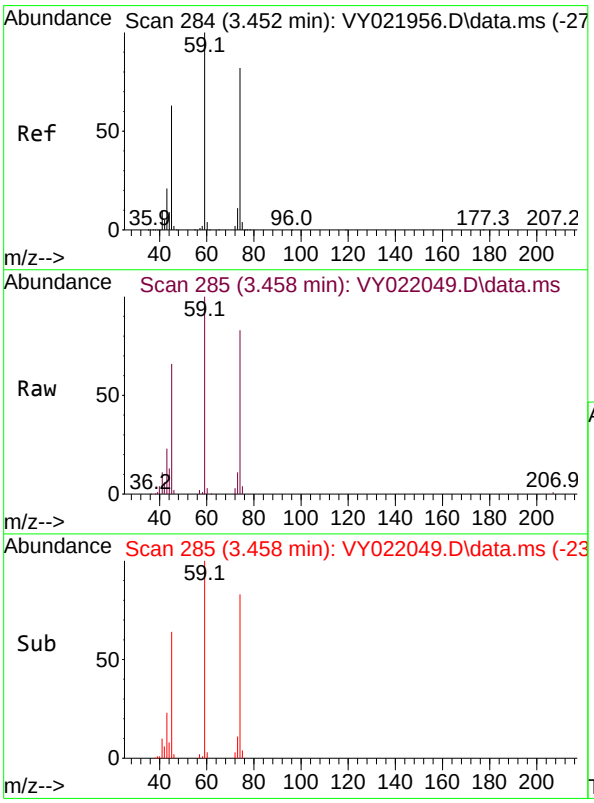
#7
Trichlorofluoromethane
Concen: 20.553 ug/l
RT: 3.050 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:101 Resp: 117953

Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.6	80.4

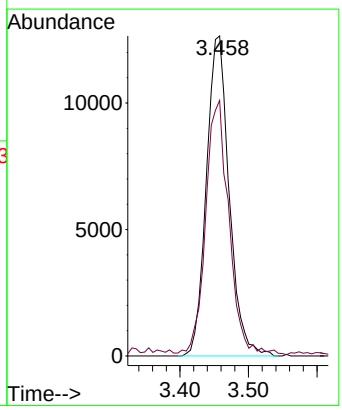


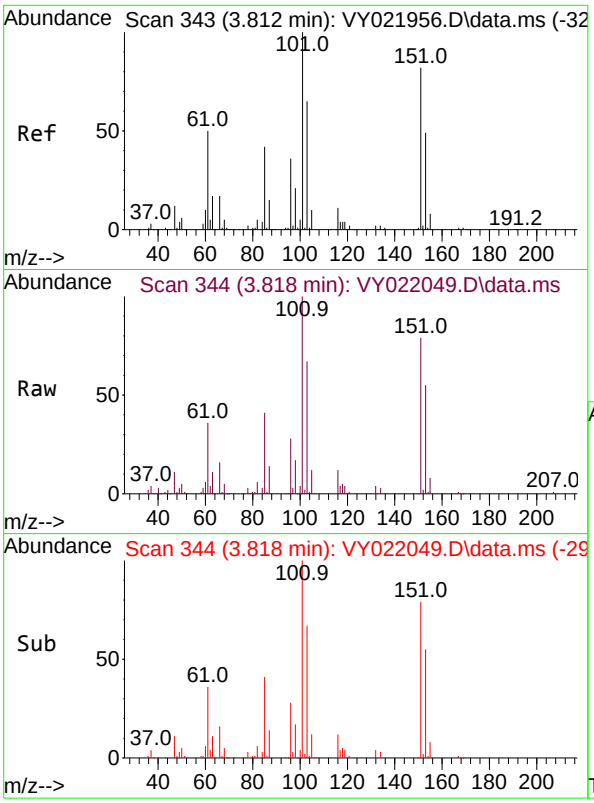


#8
Diethyl Ether
Concen: 19.553 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 74 Resp: 29207

Ion	Ratio	Lower	Upper
74	100		
45	81.4	39.1	117.5



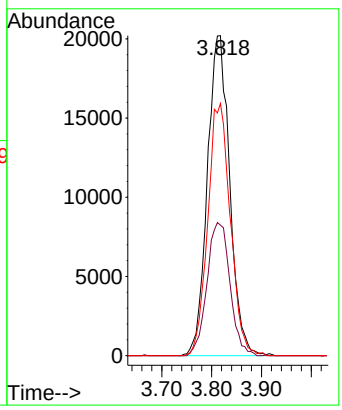


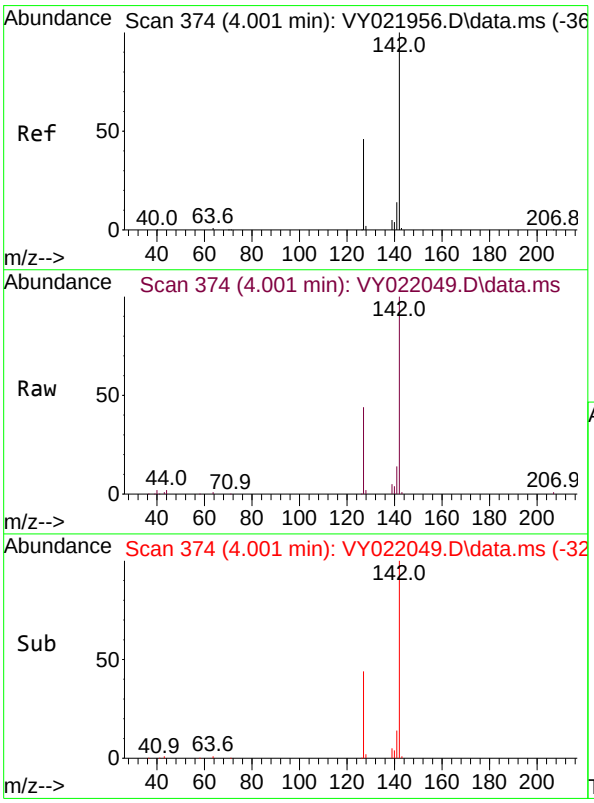
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.189 ug/l
RT: 3.818 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:101 Resp: 62852

Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.6	51.8
151	79.7	63.7	95.5

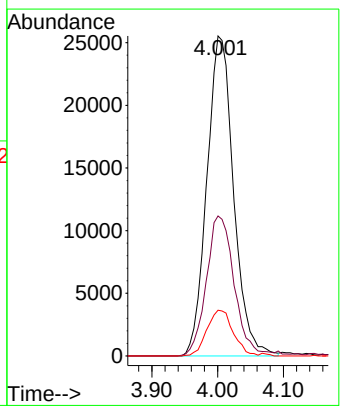


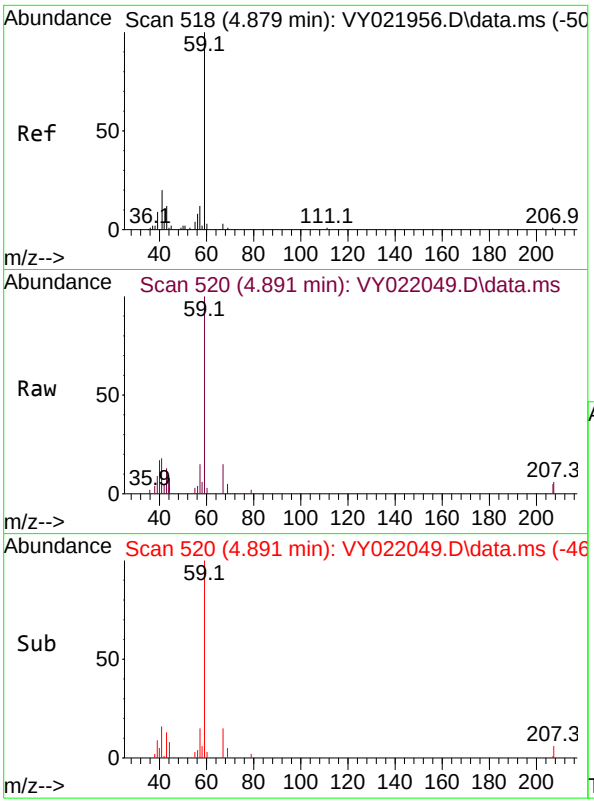


#10
Methyl Iodide
Concen: 20.019 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:142 Resp: 72159

Ion	Ratio	Lower	Upper
142	100		
127	46.0	36.2	54.2
141	14.0	11.7	17.5



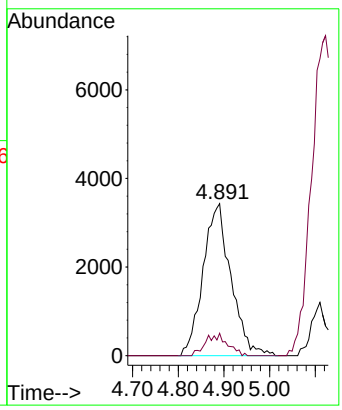


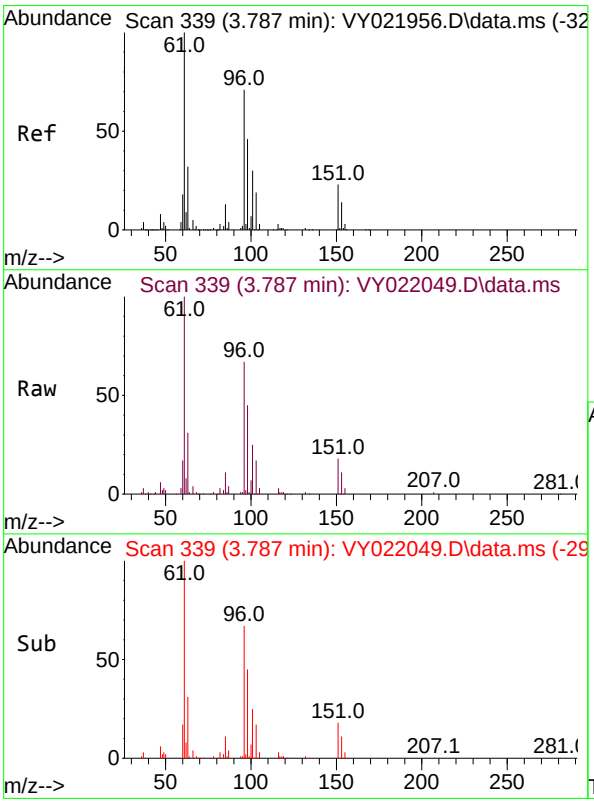
#11
Tert butyl alcohol
Concen: 98.364 ug/l
RT: 4.891 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 59 Resp: 14560

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

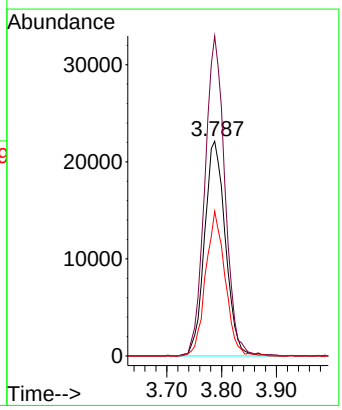


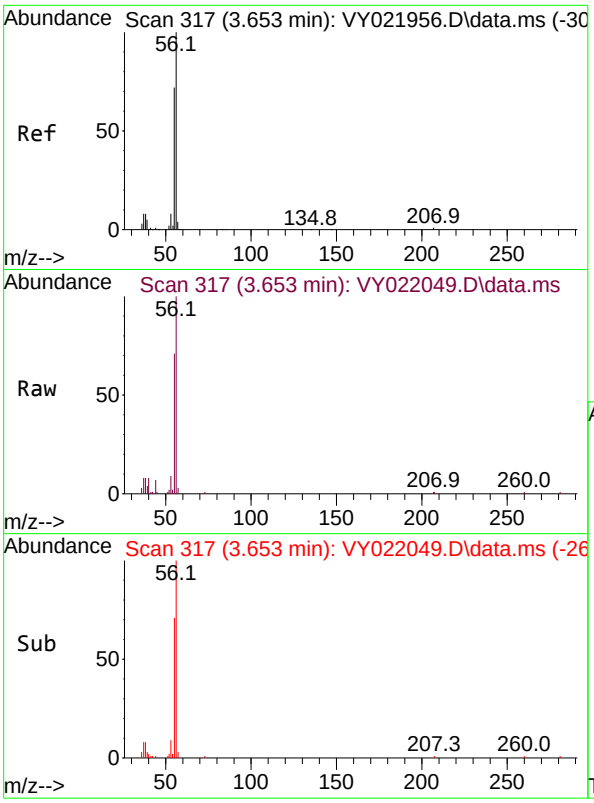


#12
1,1-Dichloroethene
Concen: 20.164 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 96 Resp: 58514

Ion	Ratio	Lower	Upper
96	100		
61	149.0	113.0	169.4
98	67.4	51.4	77.2



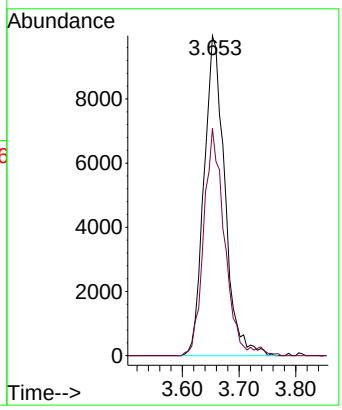


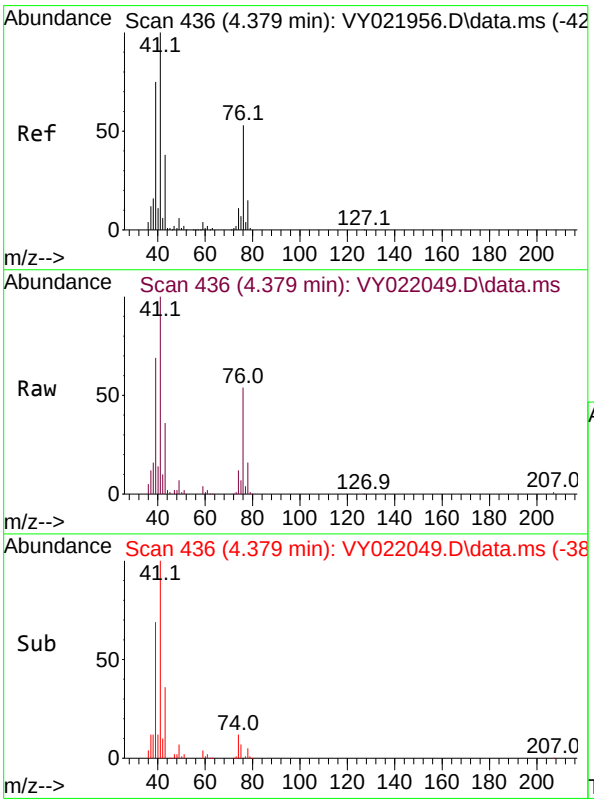
#13
Acrolein
Concen: 95.343 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 56 Resp: 25330

Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.4	86.0

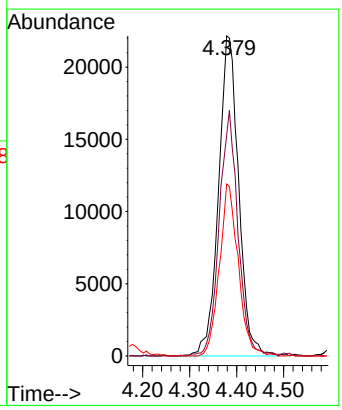


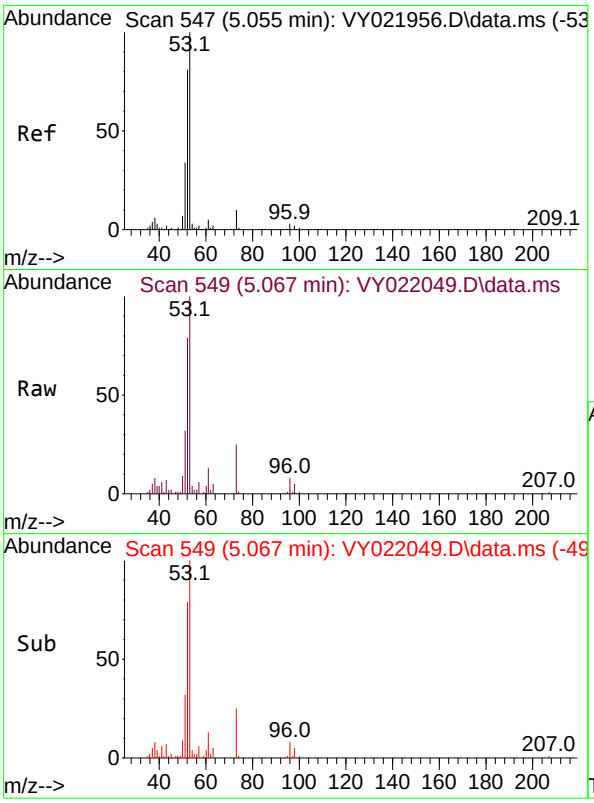


#14
Allyl chloride
Concen: 19.529 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 41 Resp: 65987

Ion	Ratio	Lower	Upper
41	100		
39	71.6	57.2	85.8
76	50.5	39.7	59.5



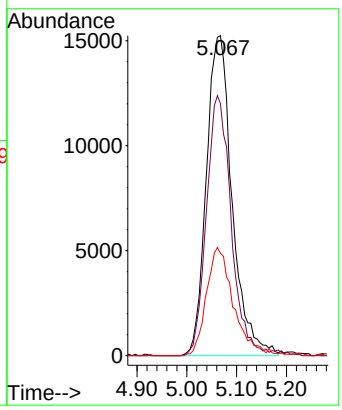


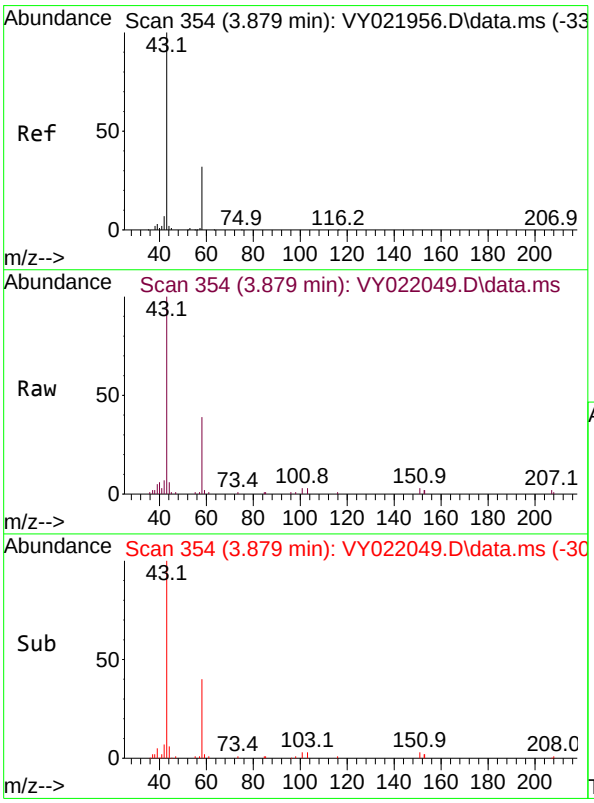
#15
Acrylonitrile
Concen: 100.340 ug/l
RT: 5.067 min Scan# 54
Delta R.T. 0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 53 Resp: 54870

Ion	Ratio	Lower	Upper
53	100		
52	77.6	65.0	97.6
51	35.7	28.9	43.3

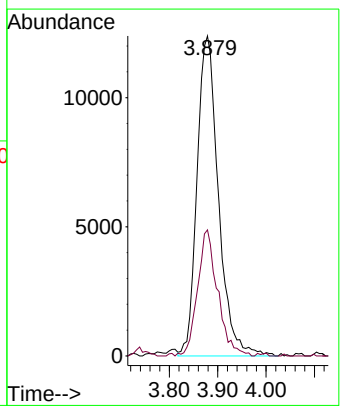


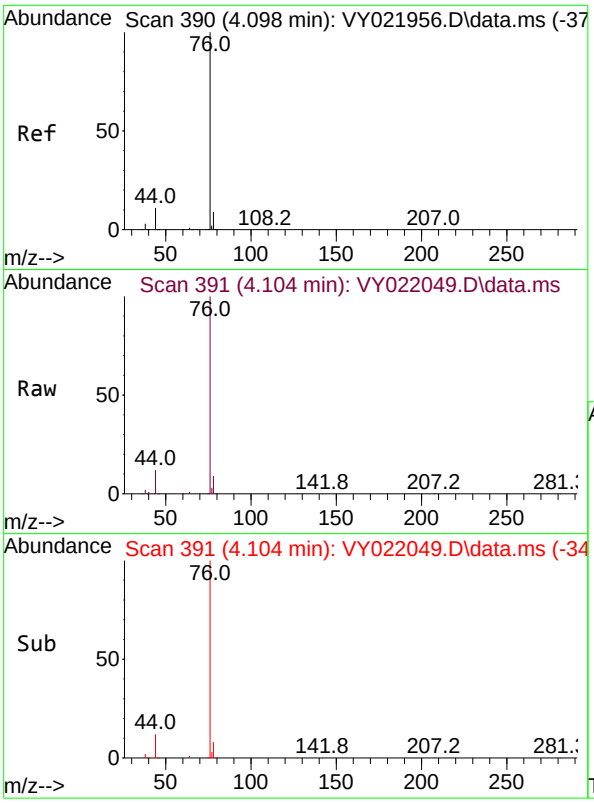


#16
Acetone
Concen: 94.548 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 38055

Ion	Ratio	Lower	Upper
43	100		
58	39.4	27.0	40.4



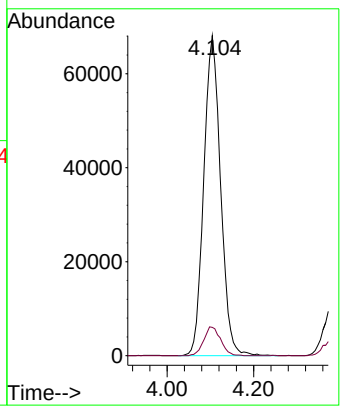


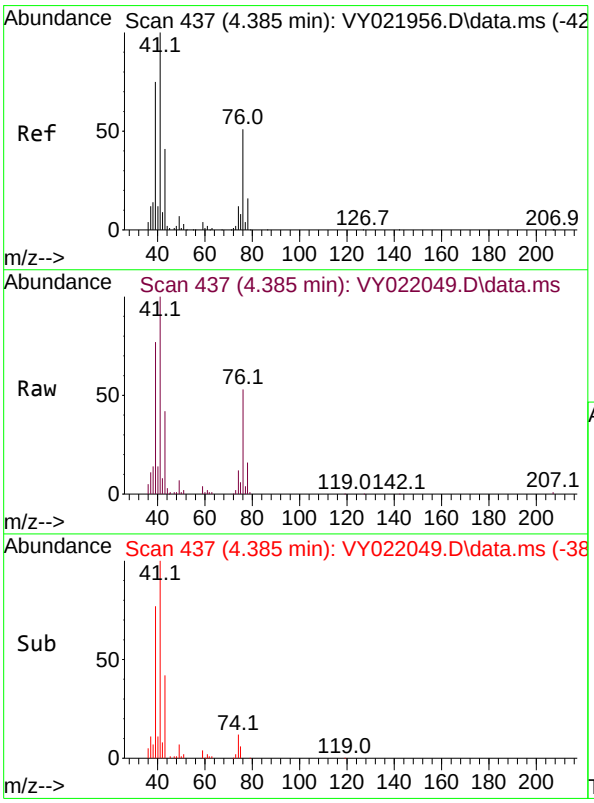
#17
Carbon Disulfide
Concen: 19.853 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 76 Resp: 183685

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

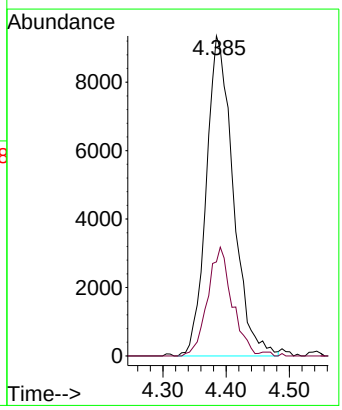


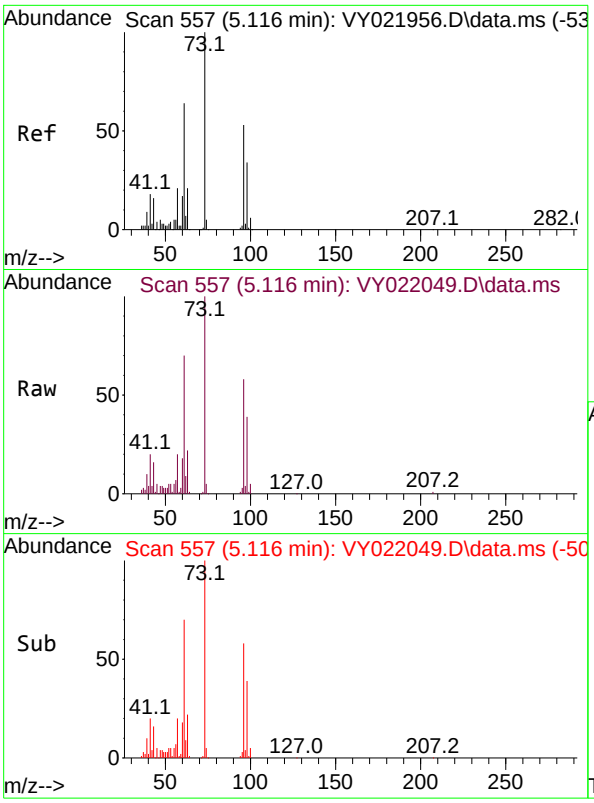


#18
Methyl Acetate
Concen: 21.903 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 27586

Ion	Ratio	Lower	Upper
43	100		
74	31.0	24.2	36.4



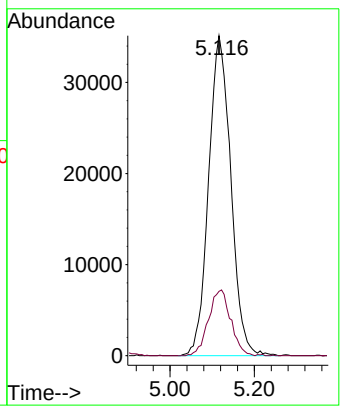


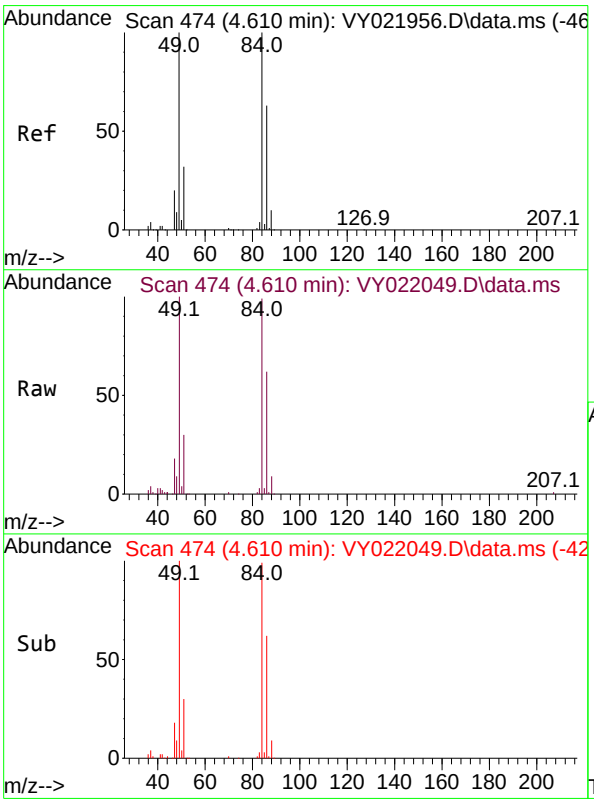
#19
Methyl tert-butyl Ether
Concen: 19.759 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 73 Resp: 128332

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.9	25.3

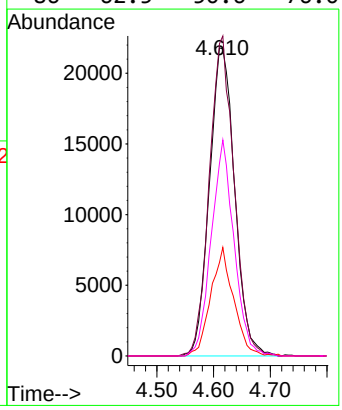


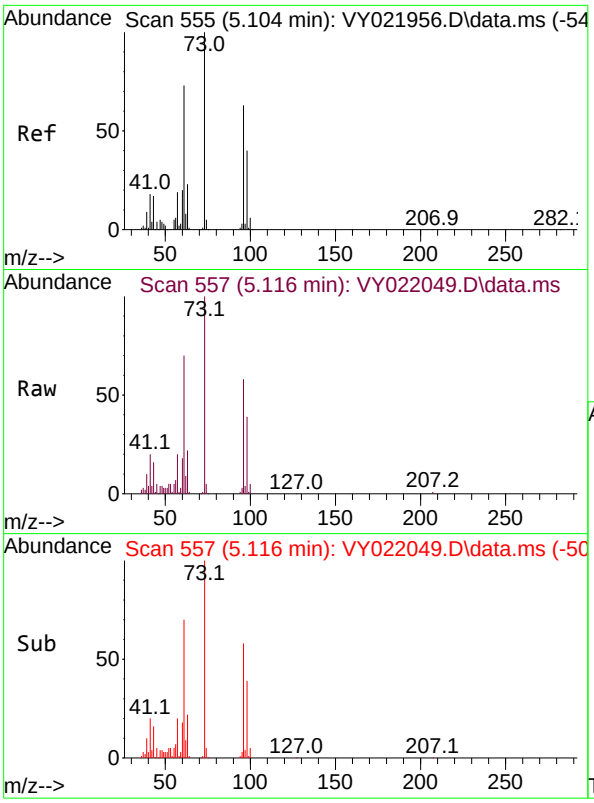


#20
Methylene Chloride
Concen: 19.837 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 84 Resp: 67632

Ion	Ratio	Lower	Upper
84	100		
49	101.3	79.9	119.9
51	30.3	25.4	38.0
86	62.5	50.6	76.0



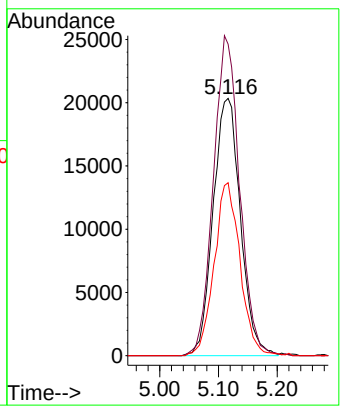


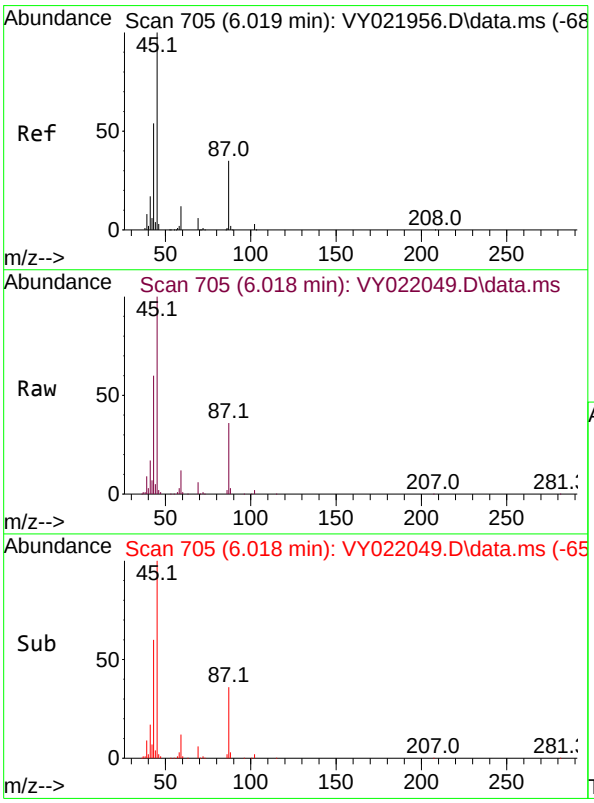
#21
trans-1,2-Dichloroethene
Concen: 20.215 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 96 Resp: 65695

Ion	Ratio	Lower	Upper
96	100		
61	121.1	92.6	138.8
98	67.2	50.2	75.4

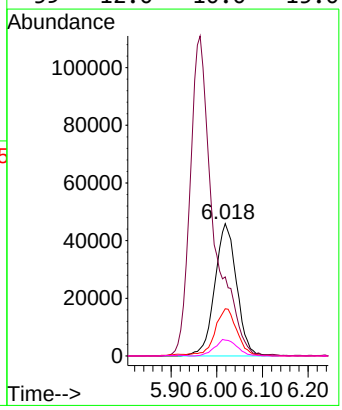


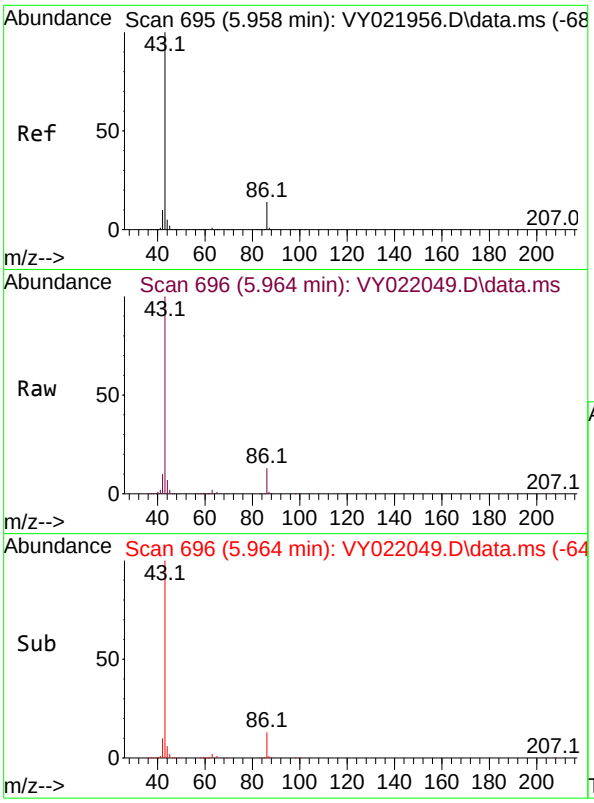


#22
Diisopropyl ether
Concen: 20.272 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 45 Resp: 152428

Ion	Ratio	Lower	Upper
45	100		
43	59.0	43.6	65.4
87	35.5	28.2	42.4
59	12.0	10.0	15.0



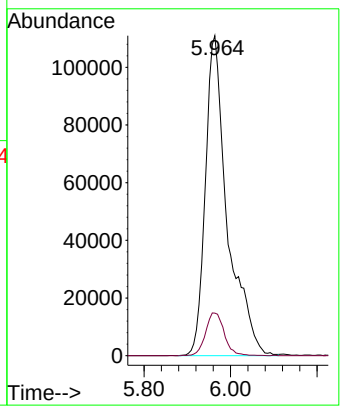


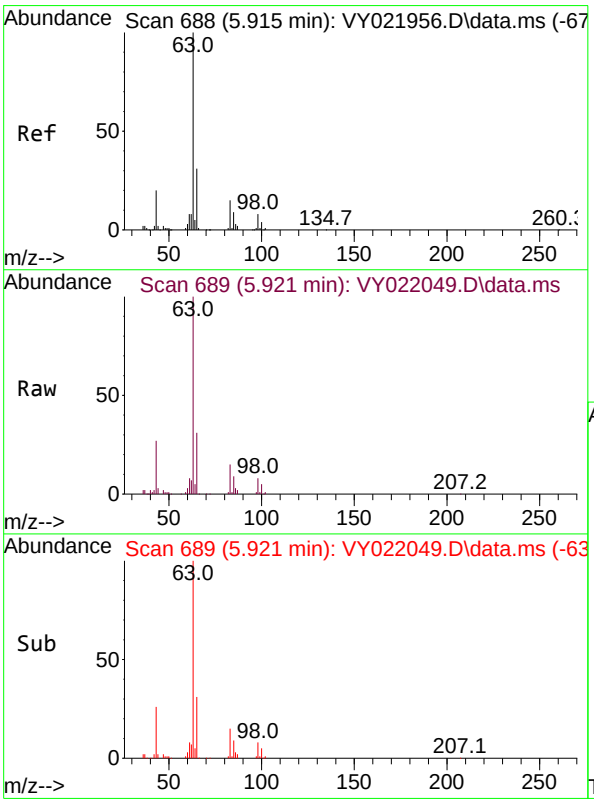
#23
Vinyl Acetate
Concen: 97.261 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 43 Resp: 394142

Ion	Ratio	Lower	Upper
43	100		
86	13.3	11.1	16.7

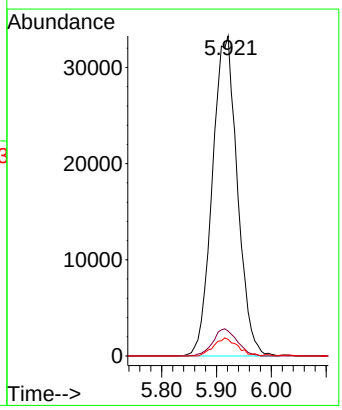


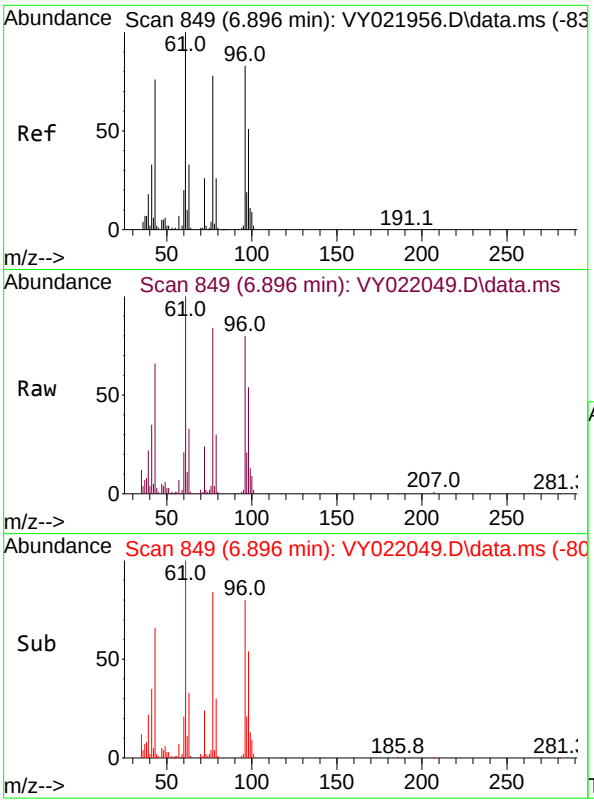


#24
1,1-Dichloroethane
Concen: 20.191 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 63 Resp: 105238

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	5.2	2.0	6.0



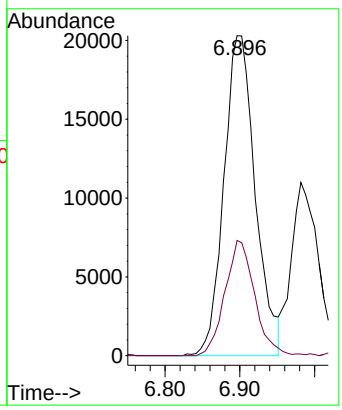


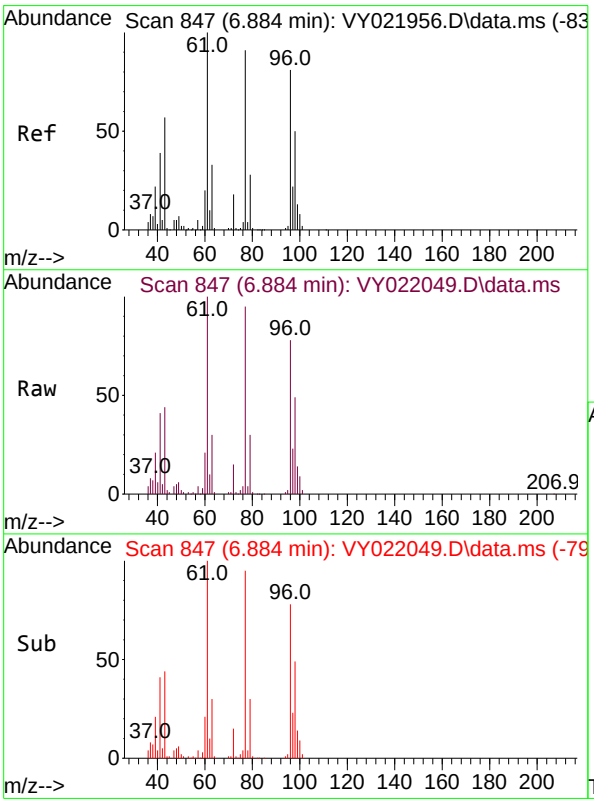
#25
2-Butanone
Concen: 96.354 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 43 Resp: 59219

Ion	Ratio	Lower	Upper
43	100		
72	36.0	27.0	40.4

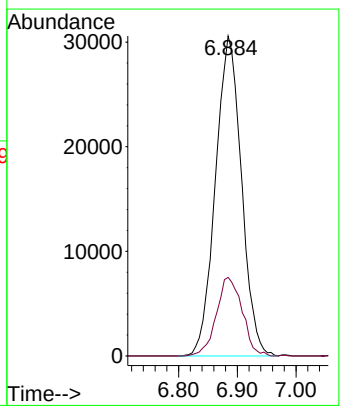


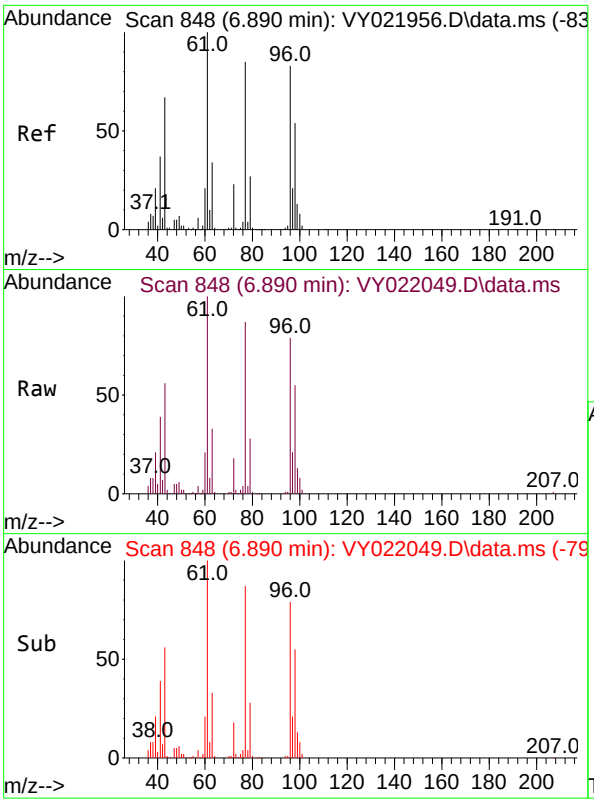


#26
2,2-Dichloropropane
Concen: 20.562 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 77 Resp: 93930

Ion	Ratio	Lower	Upper
77	100		
97	24.4	12.4	37.4



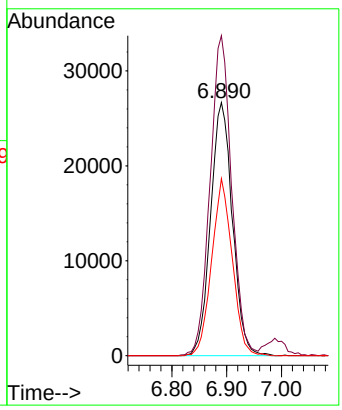


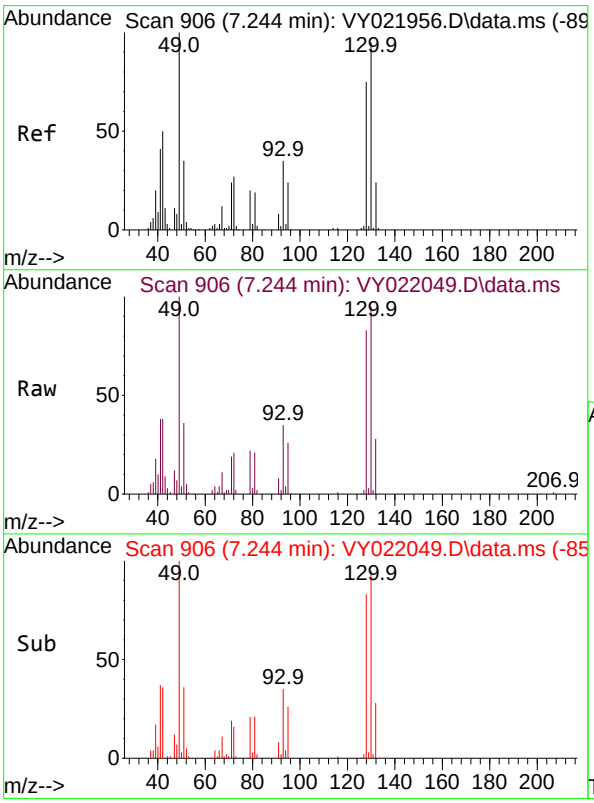
#27
cis-1,2-Dichloroethene
Concen: 20.310 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 96 Resp: 73804

Ion	Ratio	Lower	Upper
96	100		
61	124.9	0.0	251.4
98	65.8	0.0	128.4

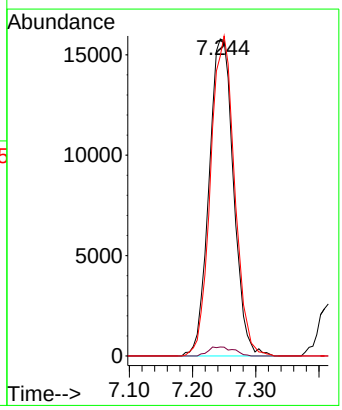


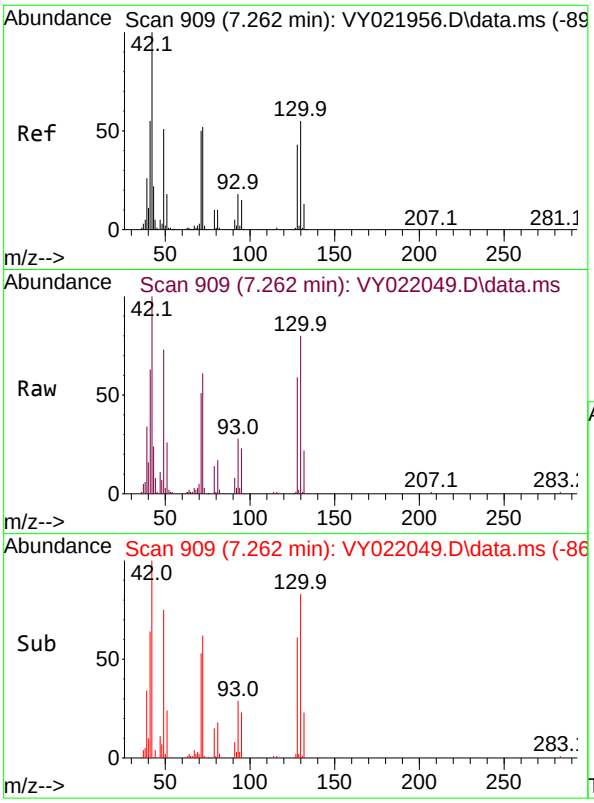


#28
Bromochloromethane
Concen: 20.983 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 49 Resp: 42480

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	99.0	78.2	117.4



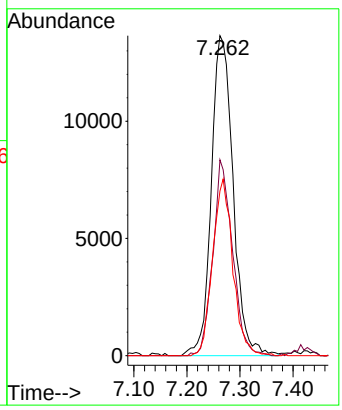


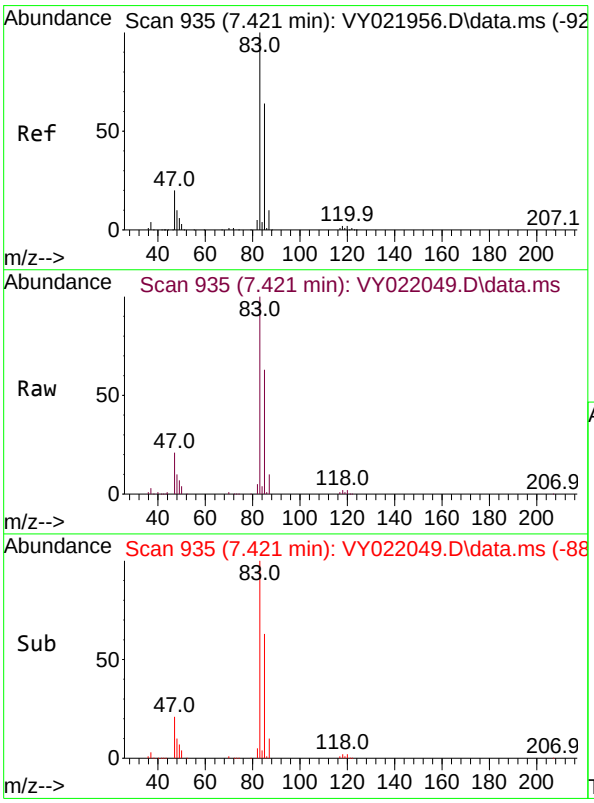
#29
Tetrahydrofuran
Concen: 97.667 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 42 Resp: 38986

Ion	Ratio	Lower	Upper
42	100		
72	55.2	42.6	63.8
71	51.2	40.6	61.0

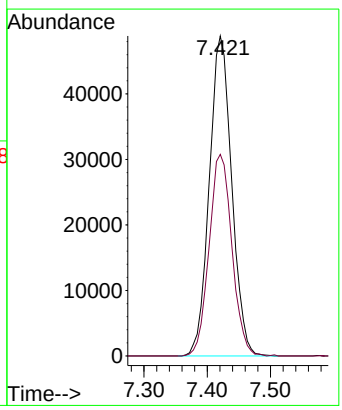


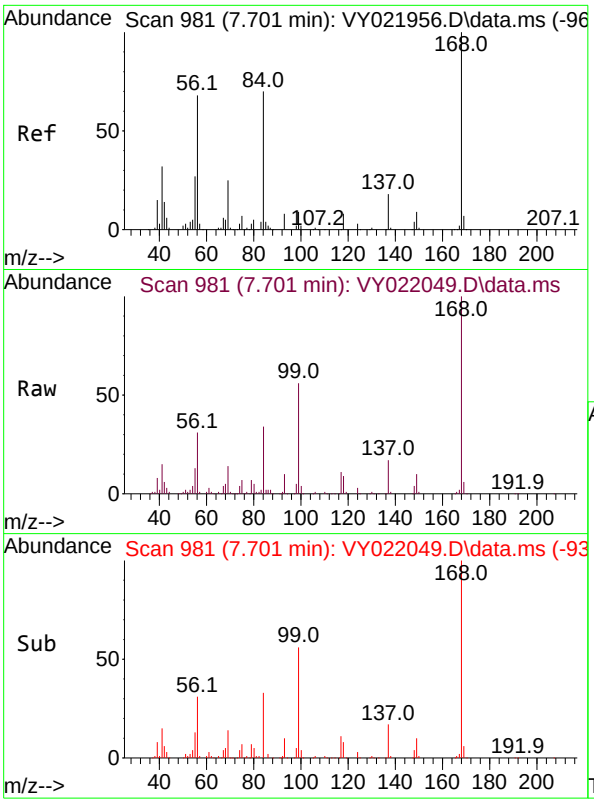


#30
Chloroform
Concen: 20.745 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 83 Resp: 119936

Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.3	76.9



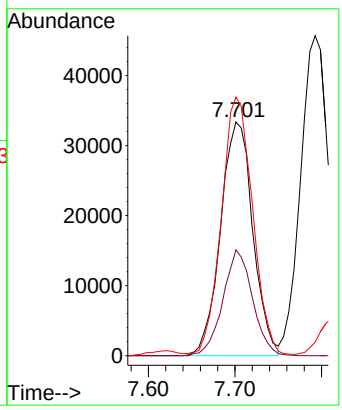


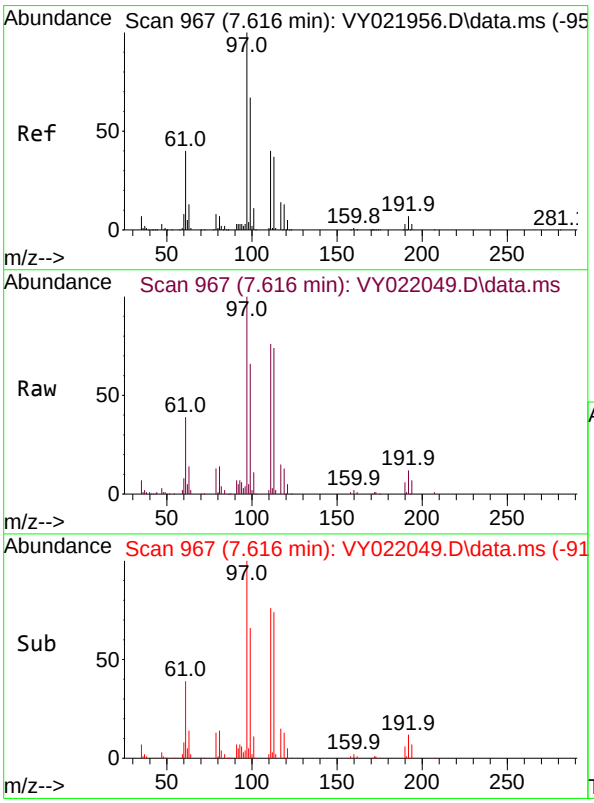
#31
Cyclohexane
Concen: 19.375 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 56 Resp: 86354

Ion	Ratio	Lower	Upper
56	100		
69	45.2	29.4	44.2#
84	109.5	82.2	123.4

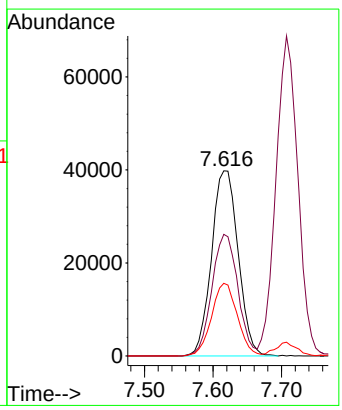


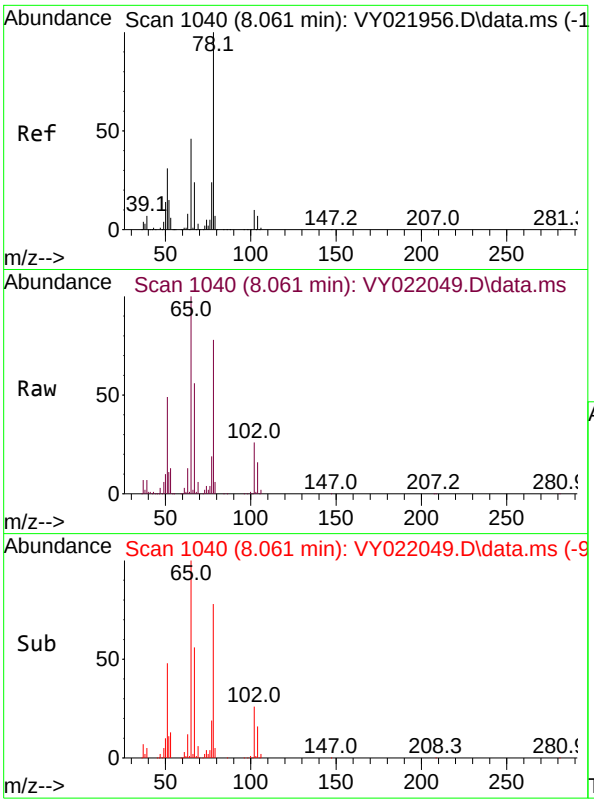


#32
1,1,1-Trichloroethane
Concen: 20.510 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 97 Resp: 107276

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	38.1	31.4	47.2



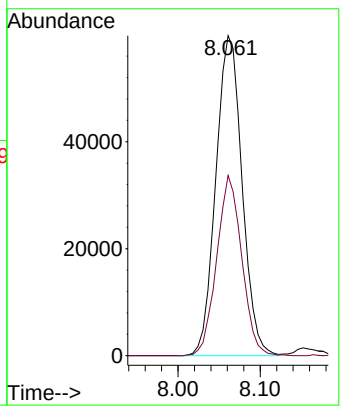


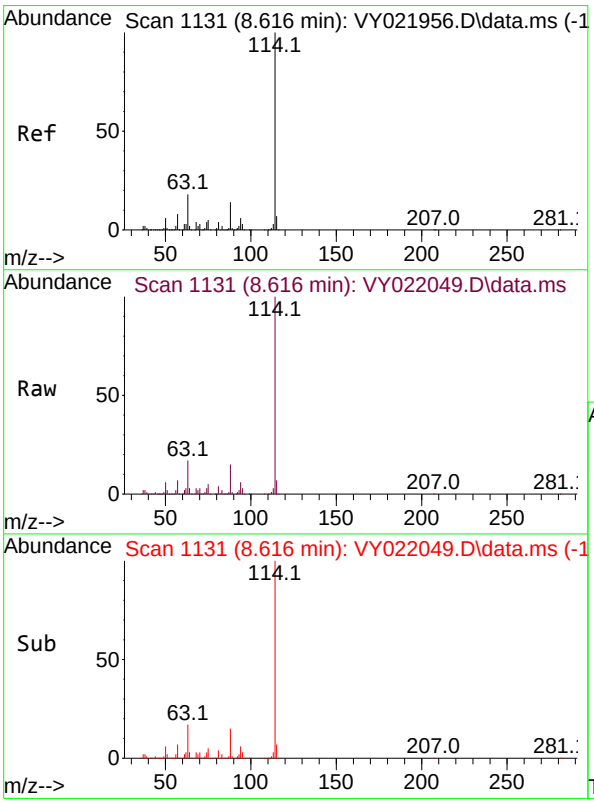
#33
1,2-Dichloroethane-d4
Concen: 49.306 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 65 Resp: 132942

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.8

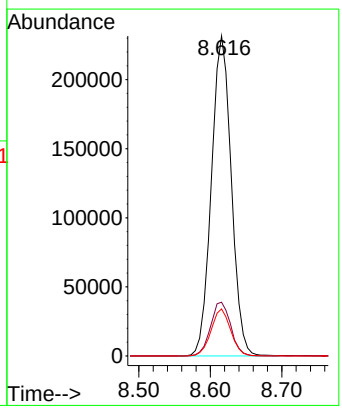


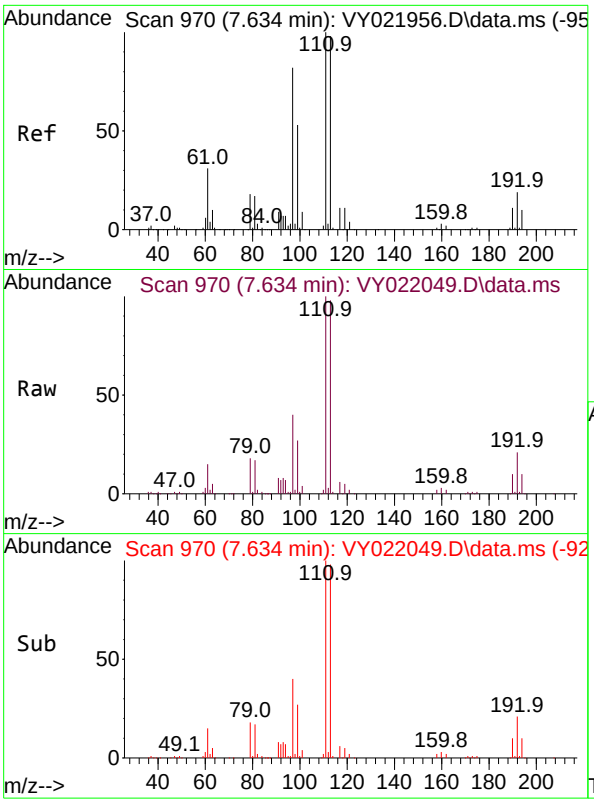


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:114 Resp: 448136

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	35.4
88	14.7	0.0	28.2



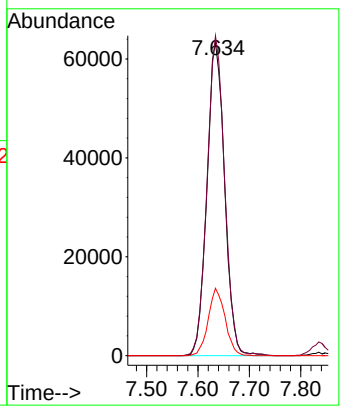


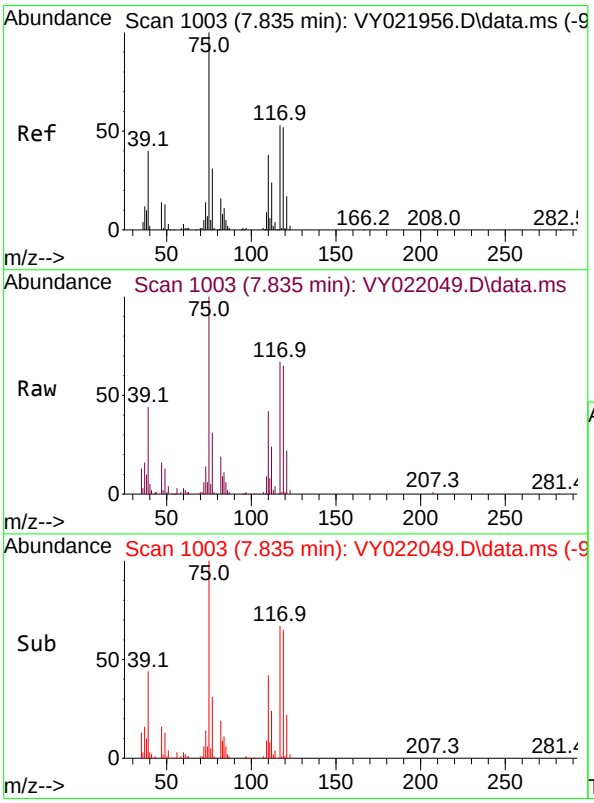
#35
Dibromofluoromethane
Concen: 51.093 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:113 Resp: 151267

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	20.6	15.6	23.4

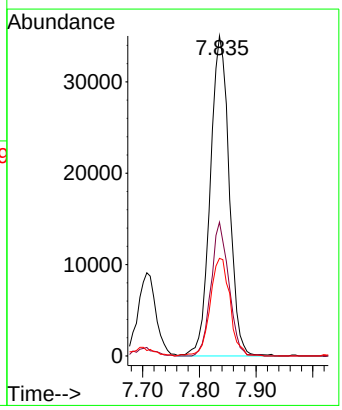


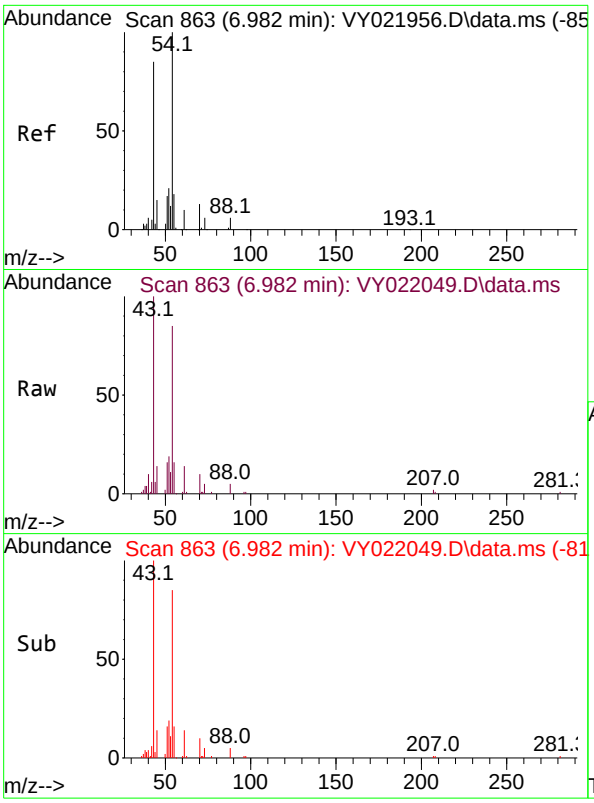


#36
1,1-Dichloropropene
Concen: 20.459 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 81364

Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.1	57.3
77	31.8	25.5	38.3



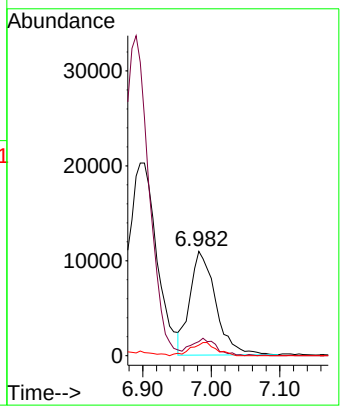


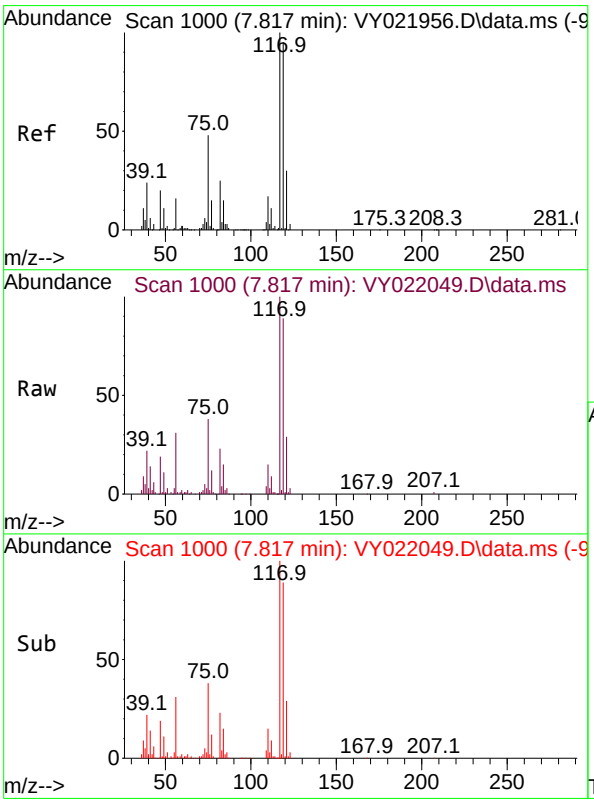
#37
Ethyl Acetate
Concen: 20.073 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 43 Resp: 28671

Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.8	20.6
70	12.3	9.2	13.8

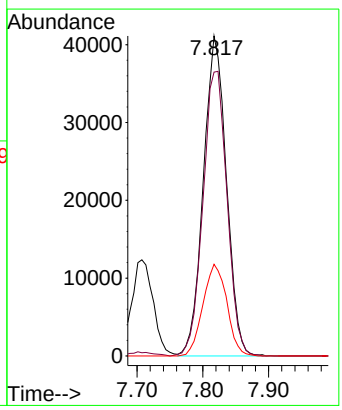


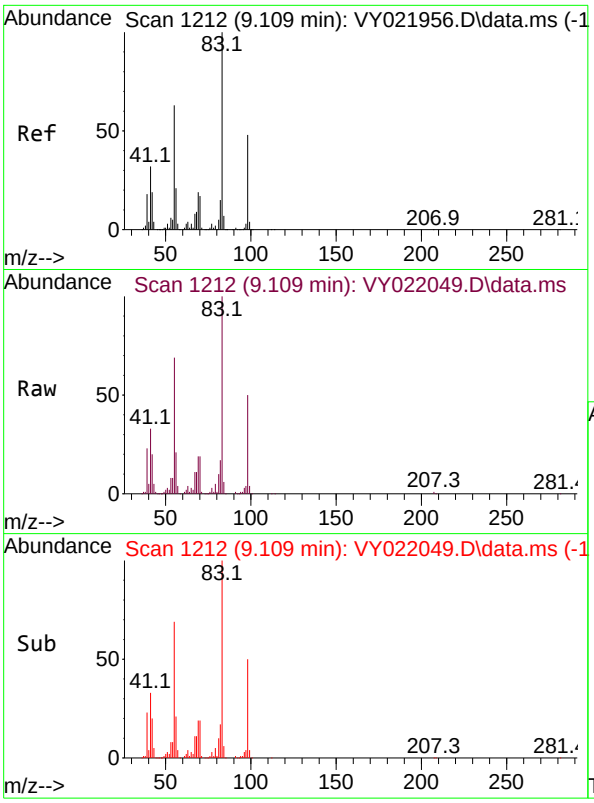


#38
Carbon Tetrachloride
Concen: 21.090 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:117 Resp: 100223

Ion	Ratio	Lower	Upper
117	100		
119	88.7	76.2	114.4
121	28.7	24.0	36.0



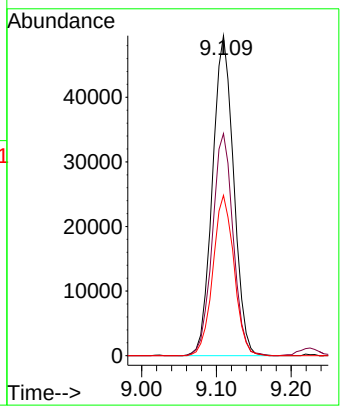


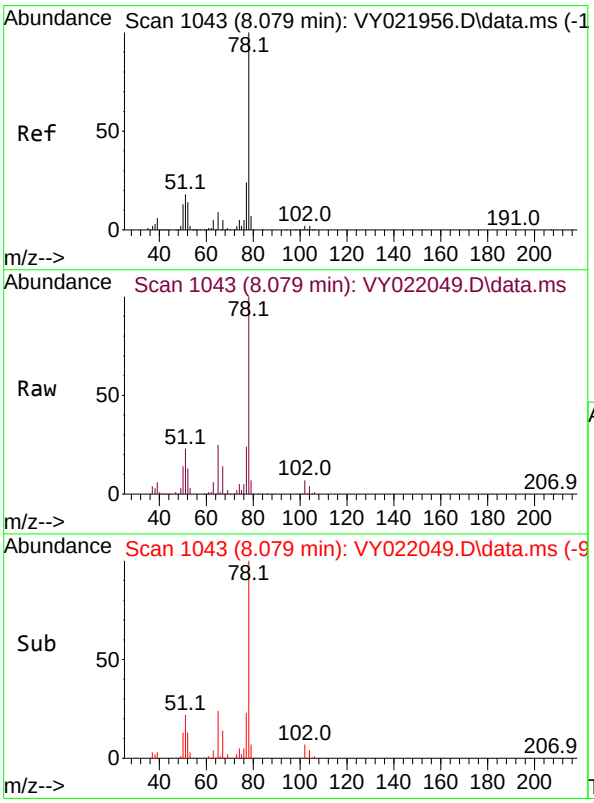
#39
Methylcyclohexane
Concen: 19.525 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 83 Resp: 97715

Ion	Ratio	Lower	Upper
83	100		
55	69.4	50.6	75.8
98	50.1	38.6	58.0

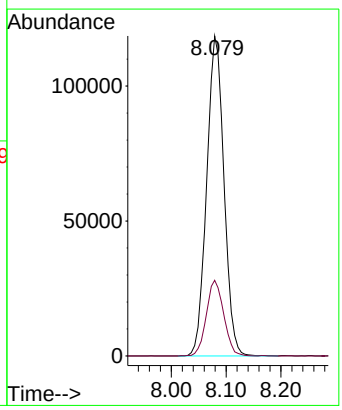


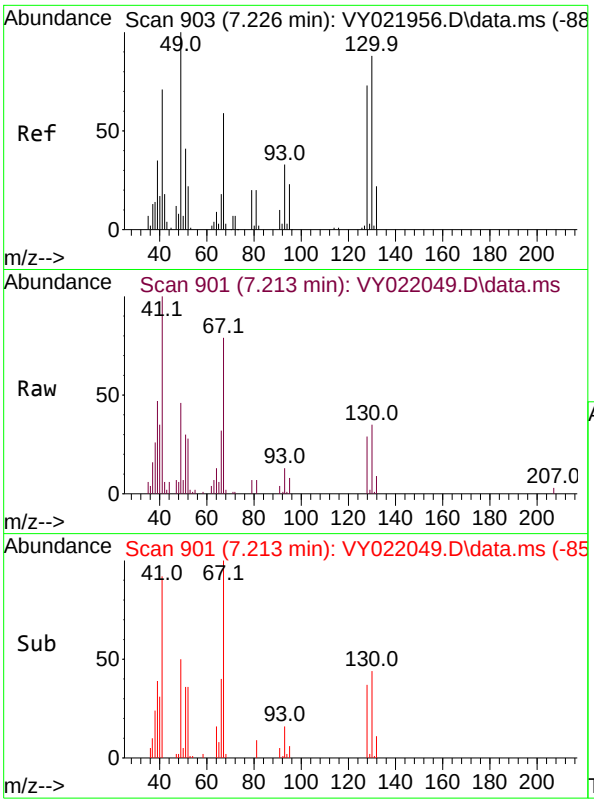


#40
Benzene
Concen: 20.843 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 78 Resp: 259113

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9



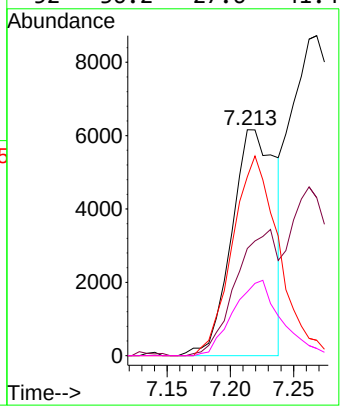


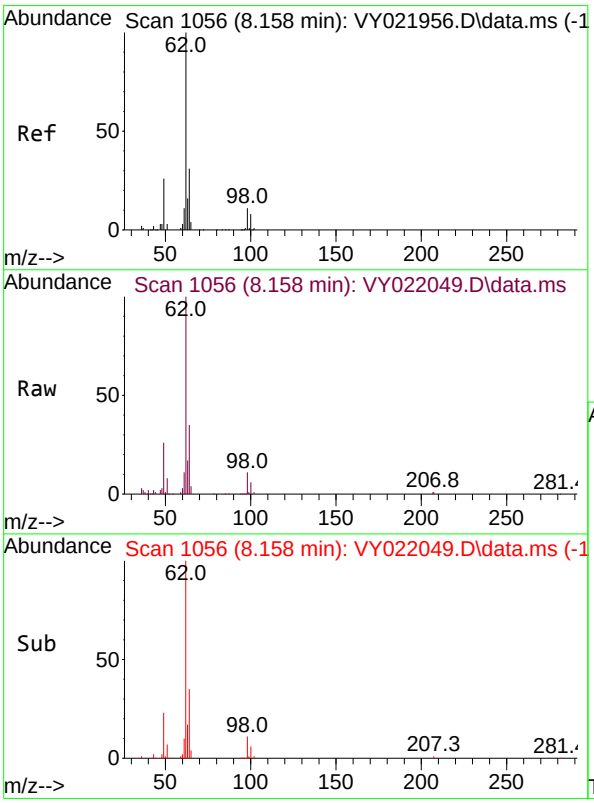
#41
Methacrylonitrile
Concen: 19.128 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 41 Resp: 14935

Ion	Ratio	Lower	Upper
41	100		
39	52.6	36.6	55.0
67	94.4	72.2	108.4
52	36.2	27.6	41.4

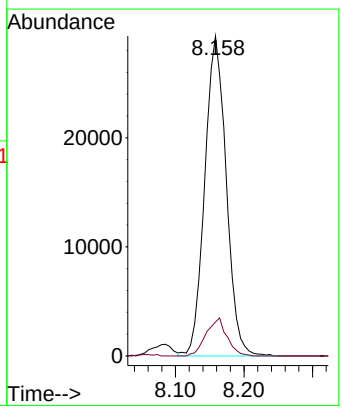


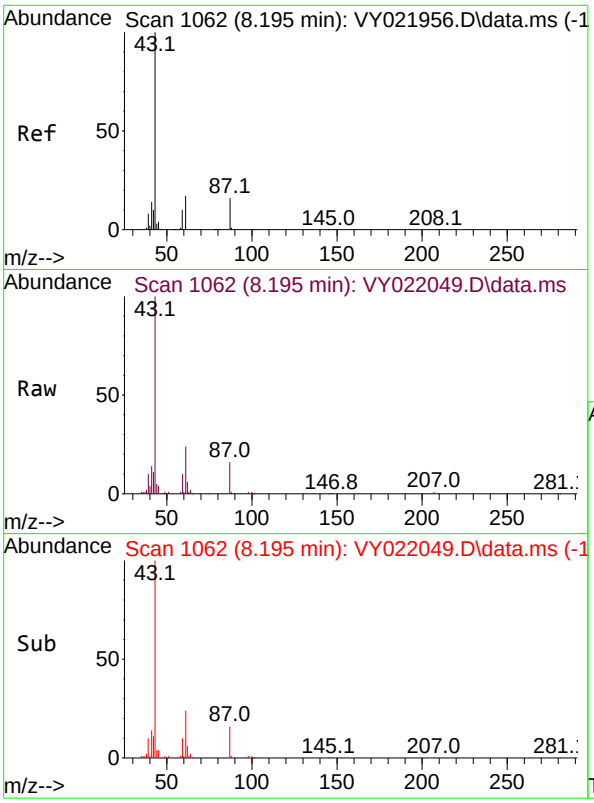


#42
1,2-Dichloroethane
Concen: 20.786 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 62 Resp: 63977

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	22.0



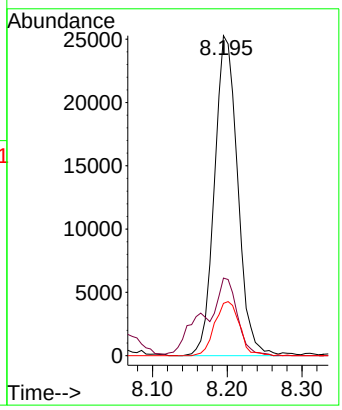


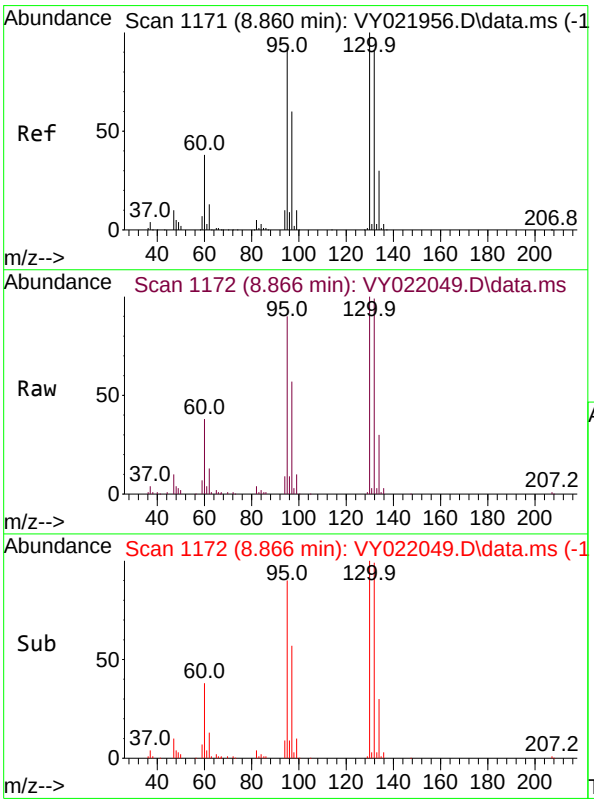
#43
Isopropyl Acetate
Concen: 19.838 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 43 Resp: 54414

Ion	Ratio	Lower	Upper
43	100		
61	21.9	18.9	28.3
87	18.2	13.7	20.5

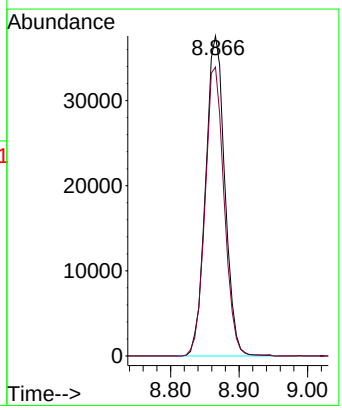


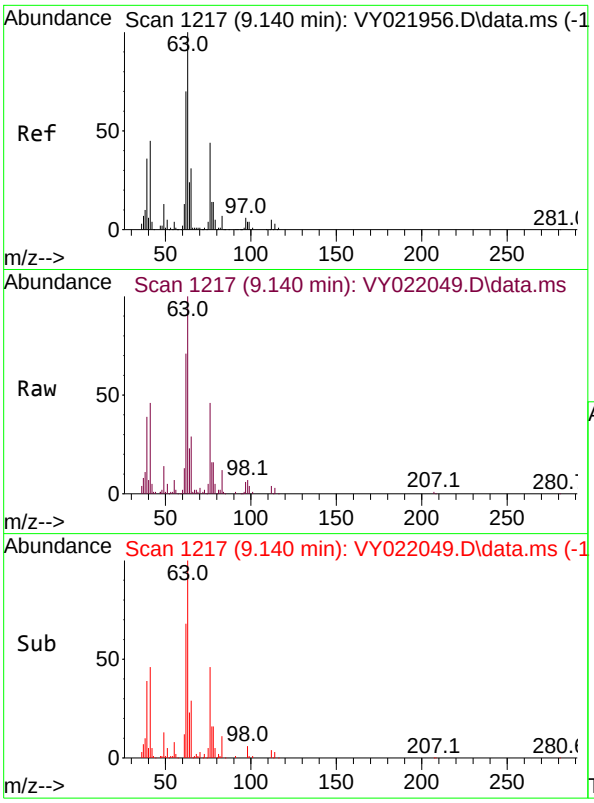


#44
Trichloroethene
Concen: 21.269 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:130 Resp: 73238

Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	183.2



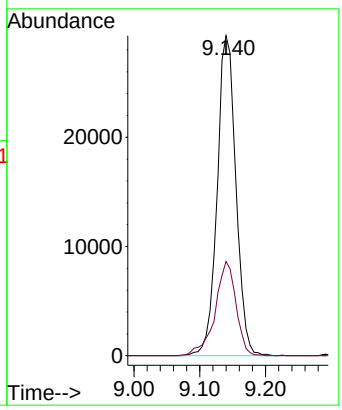


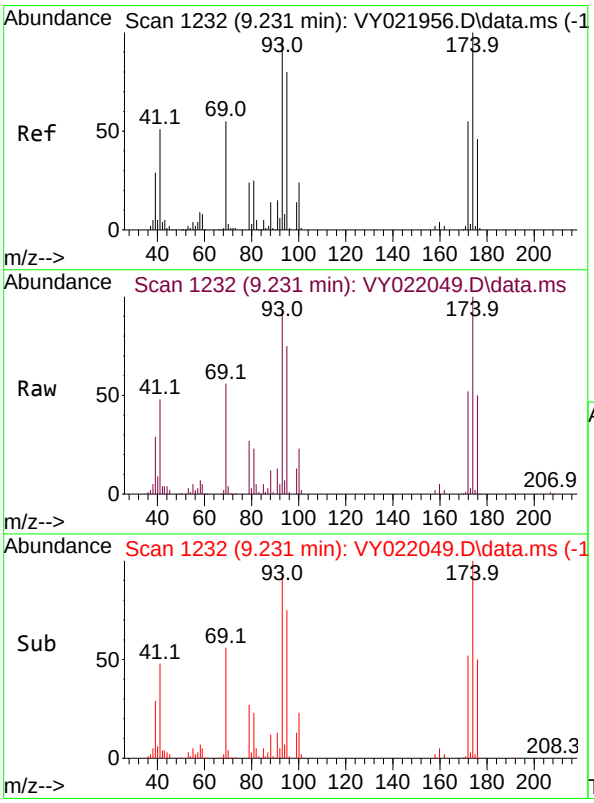
#45
1,2-Dichloropropane
Concen: 21.161 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 63 Resp: 58177

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.2	37.8

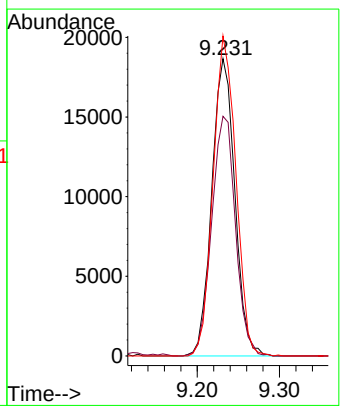


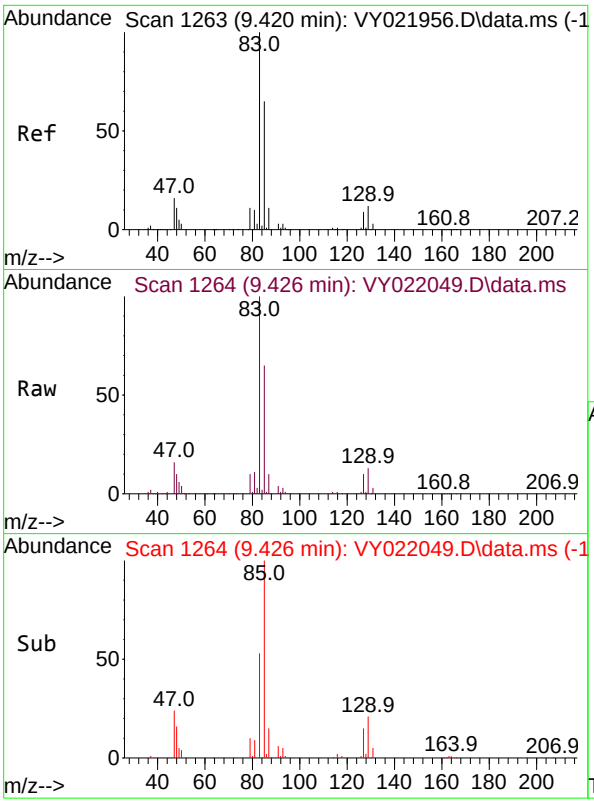


#46
Dibromomethane
Concen: 21.115 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 93 Resp: 36339

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.7	100.1
174	106.4	84.6	127.0



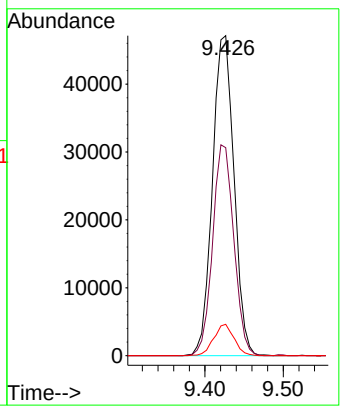


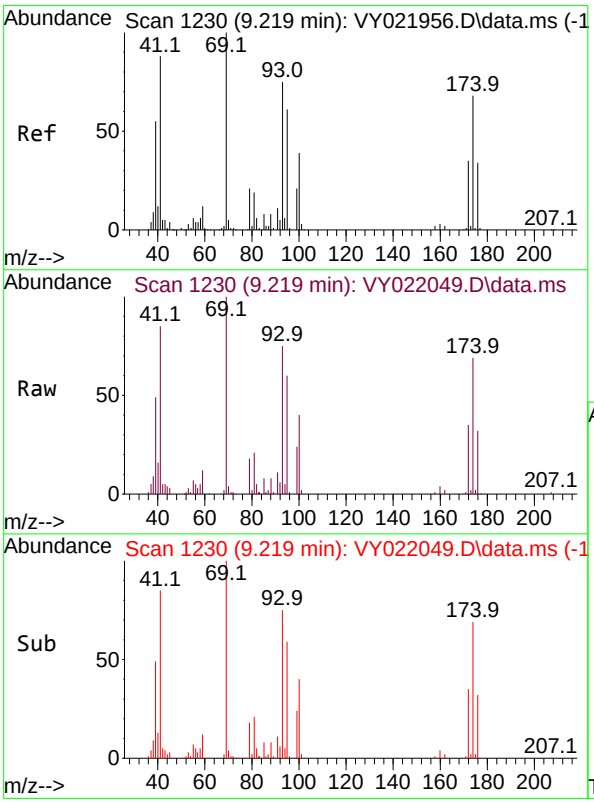
#47
Bromodichloromethane
Concen: 20.937 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 83 Resp: 90012

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8
127	9.8	7.0	10.6

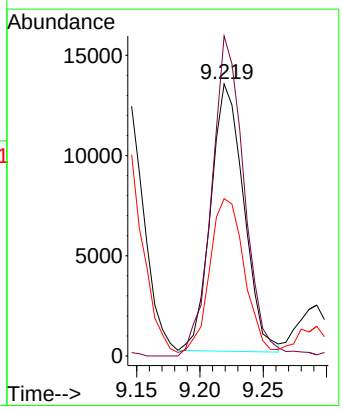


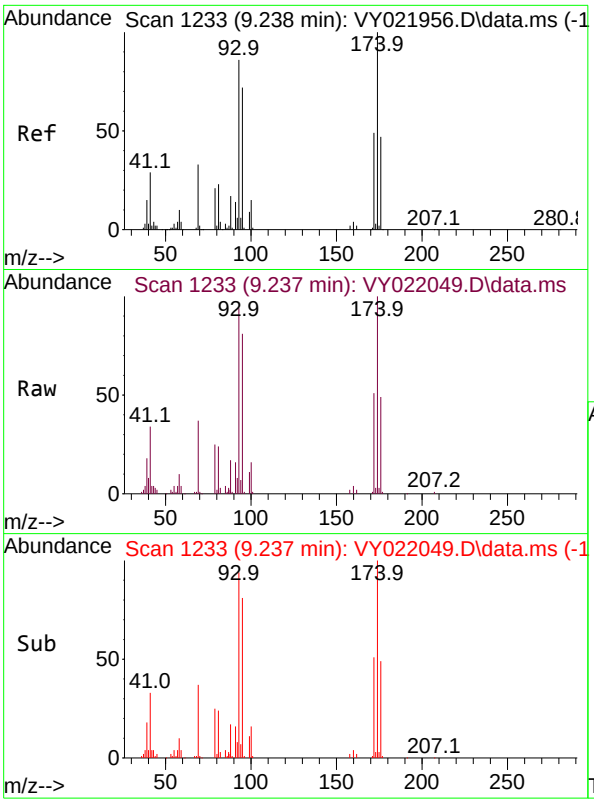


#48
Methyl methacrylate
Concen: 19.048 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 41 Resp: 24153

Ion	Ratio	Lower	Upper
41	100		
69	117.9	85.5	128.3
39	62.0	46.2	69.4



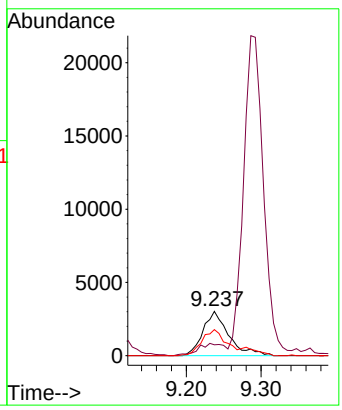


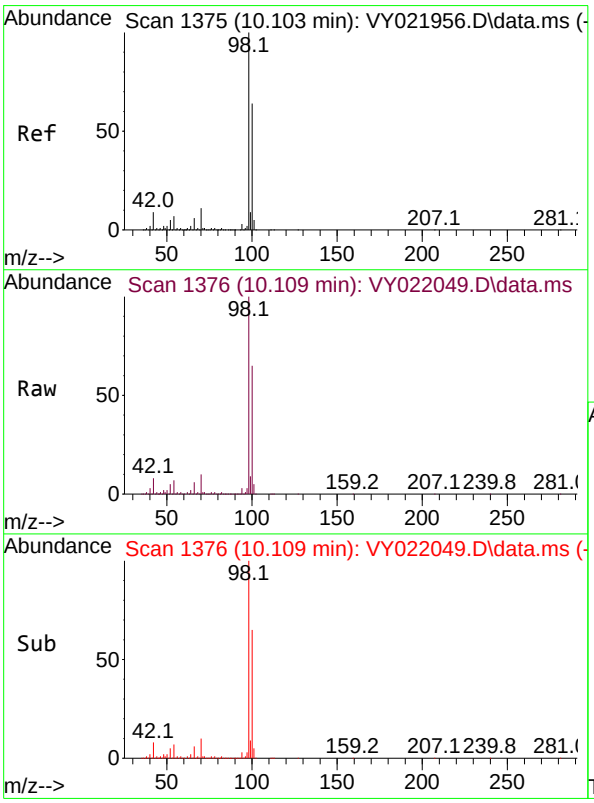
#49
1,4-Dioxane
Concen: 395.905 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 88 Resp: 7262

Ion	Ratio	Lower	Upper
88	100		
43	28.4	21.3	31.9
58	56.9	50.5	75.7

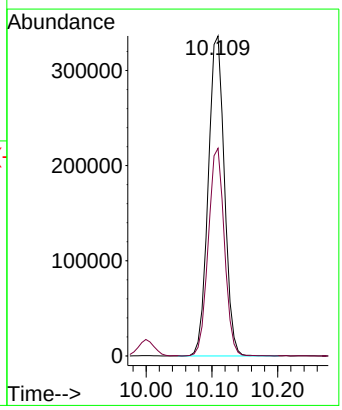


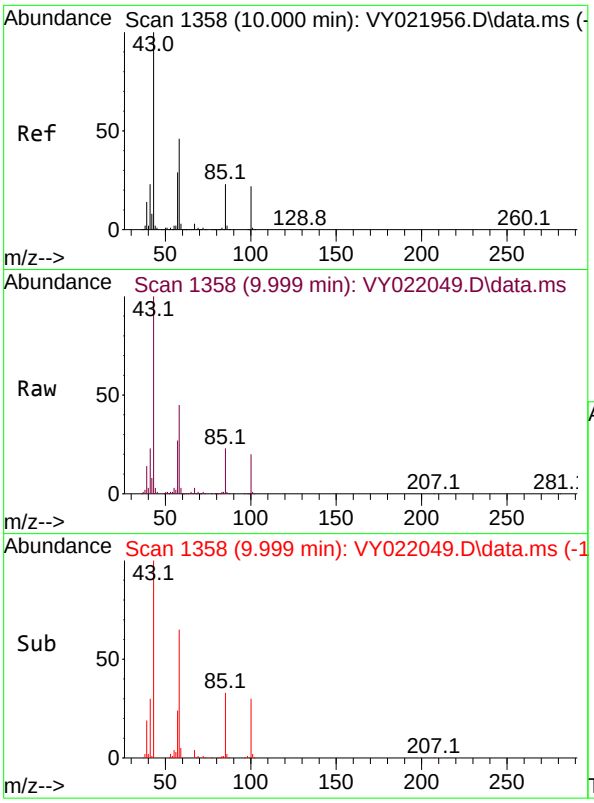


#50
Toluene-d8
Concen: 51.504 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 98 Resp: 574864

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4



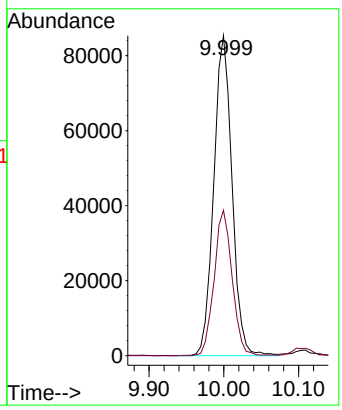


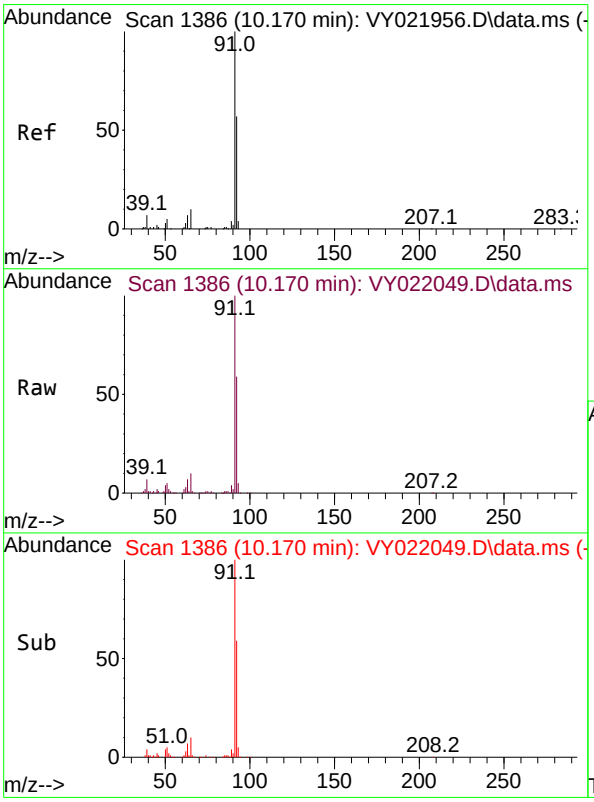
#51
4-Methyl-2-Pentanone
Concen: 100.935 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 43 Resp: 145133

Ion	Ratio	Lower	Upper
43	100		
58	44.9	36.6	55.0

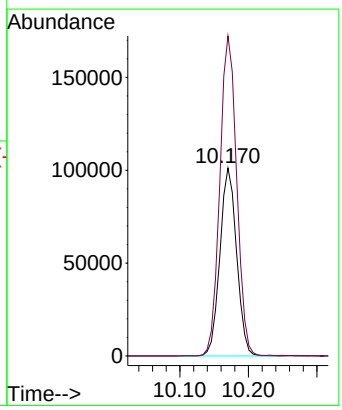


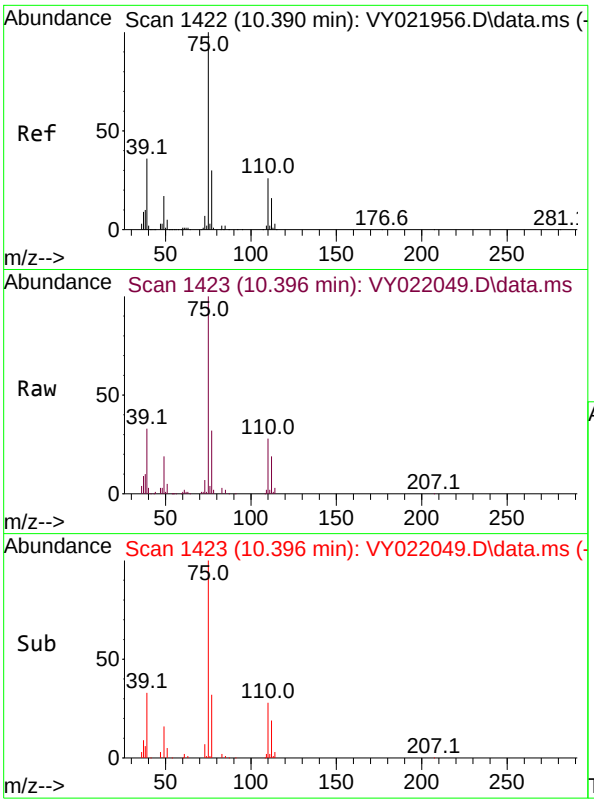


#52
Toluene
Concen: 21.179 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 92 Resp: 170433

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.6	207.8



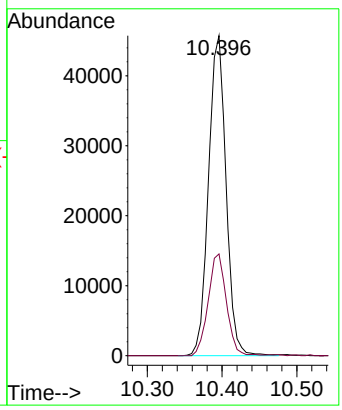


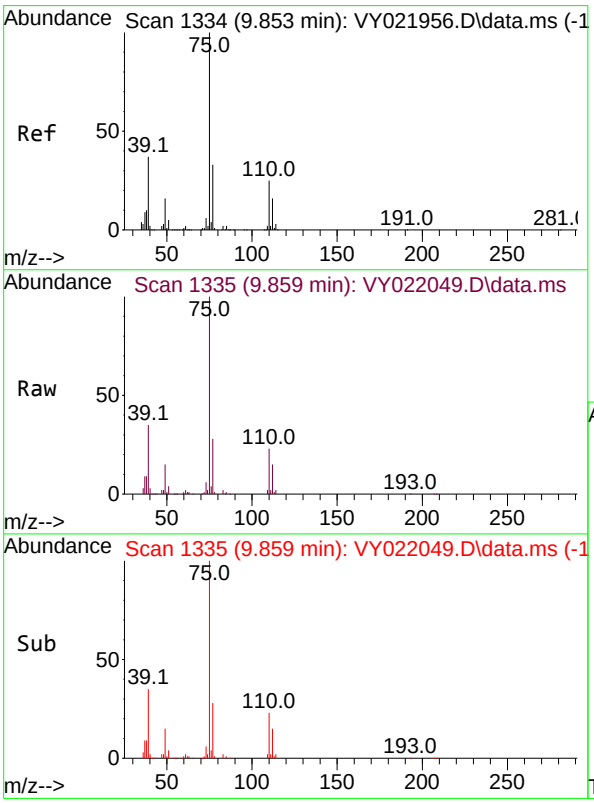
#53
t-1,3-Dichloropropene
Concen: 20.246 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 75 Resp: 74659

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.0	36.0

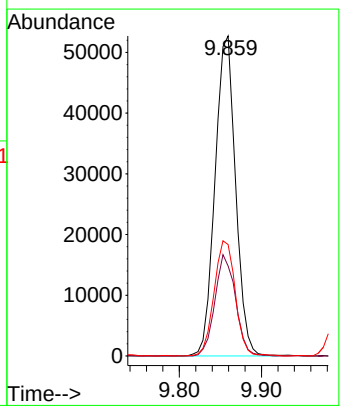


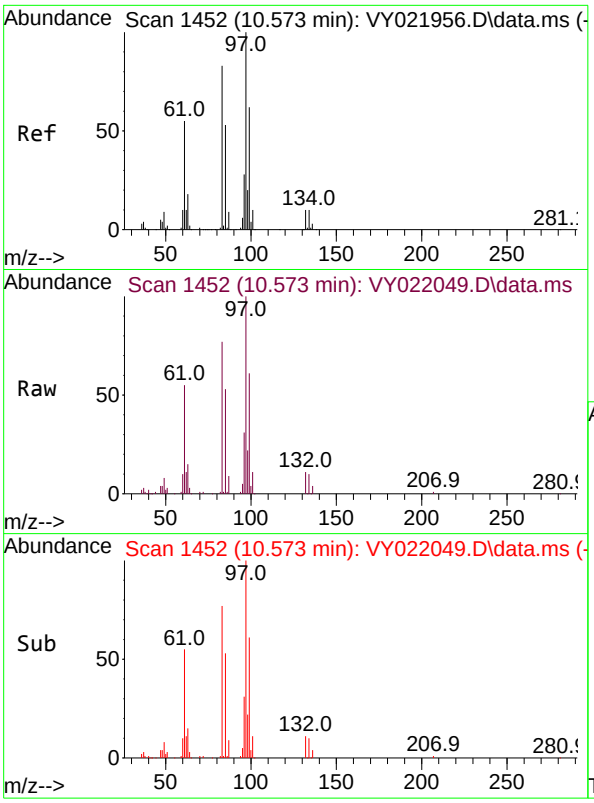


#54
cis-1,3-Dichloropropene
Concen: 20.894 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 91589

Ion	Ratio	Lower	Upper
75	100		
77	28.1	26.6	40.0
39	34.7	29.6	44.4



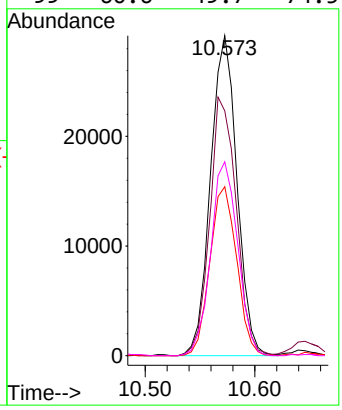


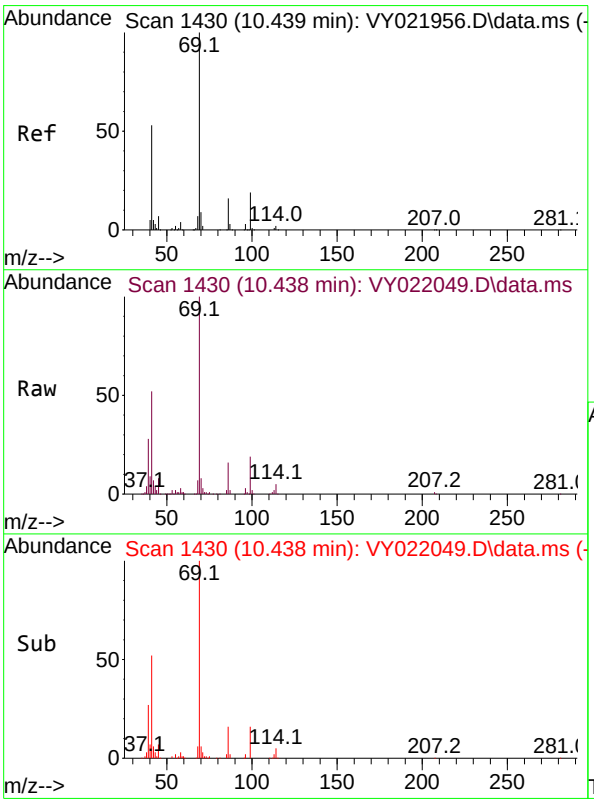
#55
1,1,2-Trichloroethane
Concen: 21.310 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 97 Resp: 48989

Ion	Ratio	Lower	Upper
97	100		
83	76.5	66.7	100.1
85	52.8	42.6	64.0
99	60.6	49.7	74.5

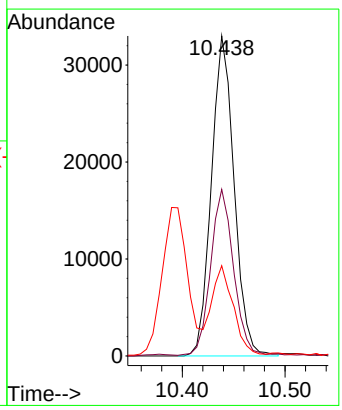


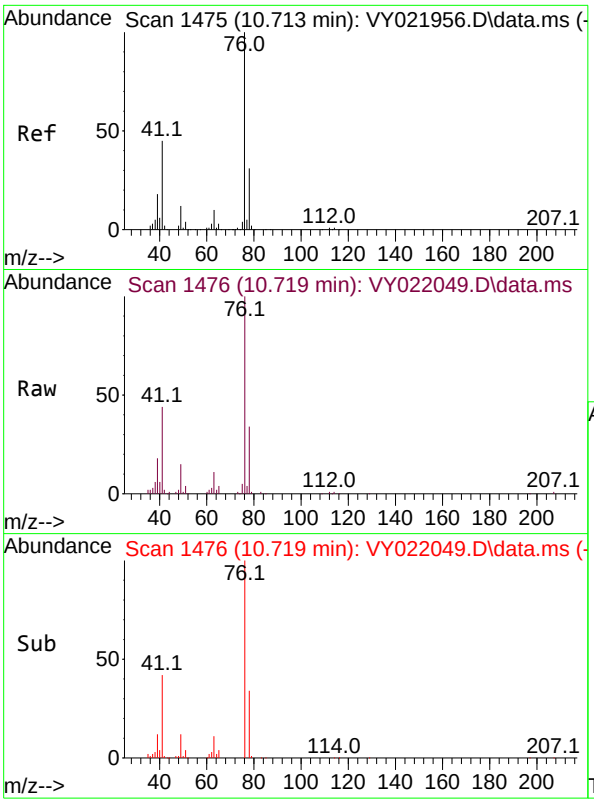


#56
Ethyl methacrylate
Concen: 19.251 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 69 Resp: 50609

Ion	Ratio	Lower	Upper
69	100		
41	52.2	40.7	61.1
39	25.8	23.3	34.9



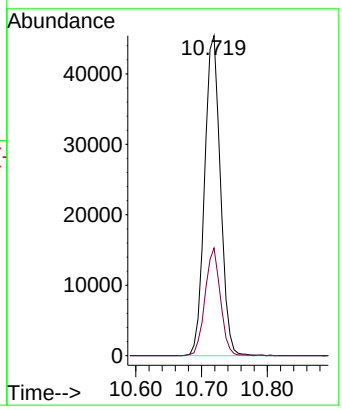


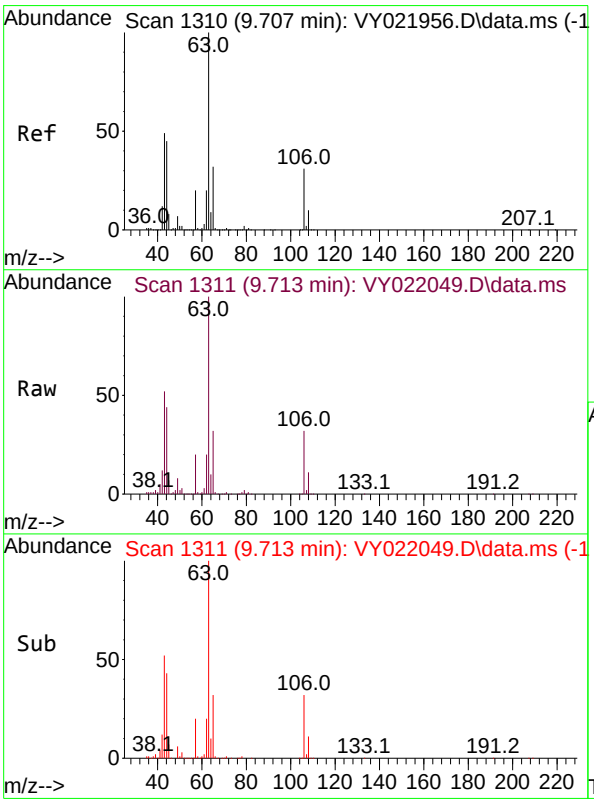
#57
1,3-Dichloropropane
Concen: 20.630 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 76 Resp: 76028

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

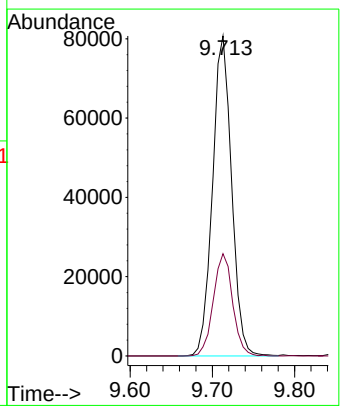


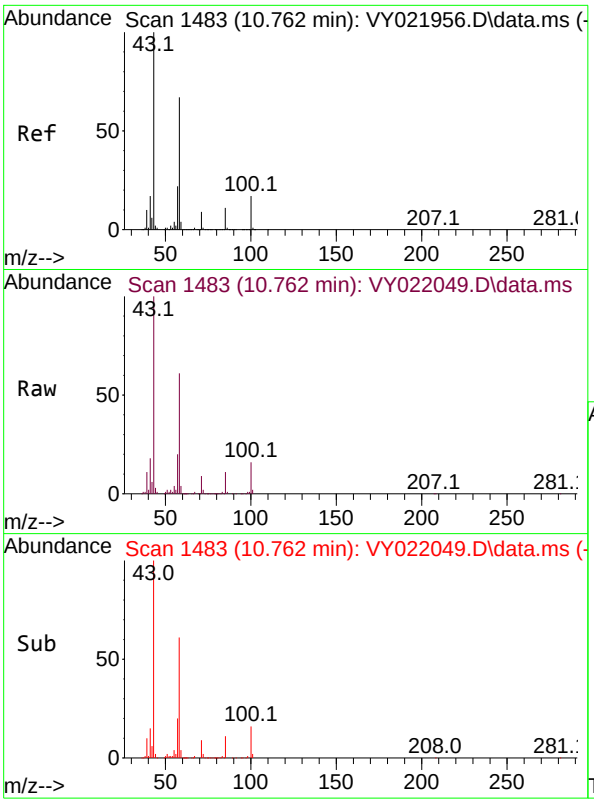


#58
2-Chloroethyl Vinyl ether
Concen: 101.254 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 63 Resp: 130145

Ion	Ratio	Lower	Upper
63	100		
106	32.3	25.3	37.9



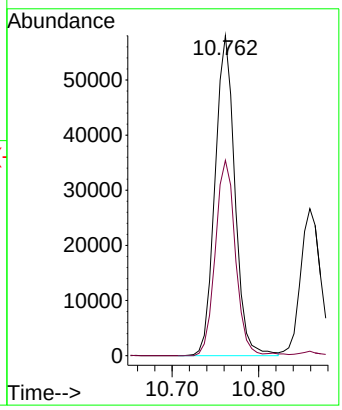


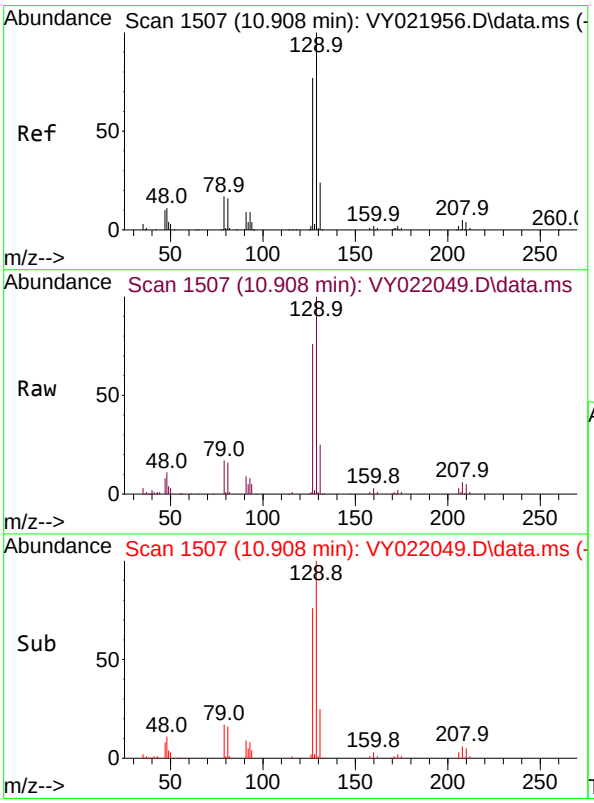
#59
2-Hexanone
Concen: 97.370 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 43 Resp: 92347

Ion	Ratio	Lower	Upper
43	100		
58	61.6	32.0	96.0

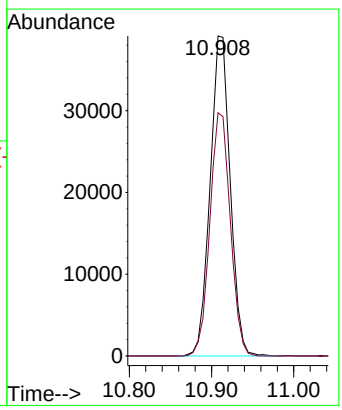


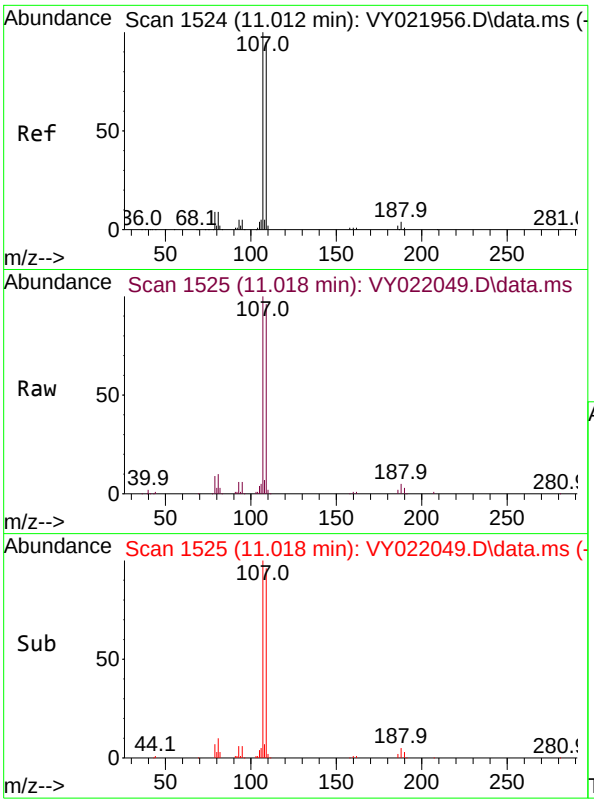


#60
Dibromochloromethane
Concen: 20.913 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:129 Resp: 66559

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.3



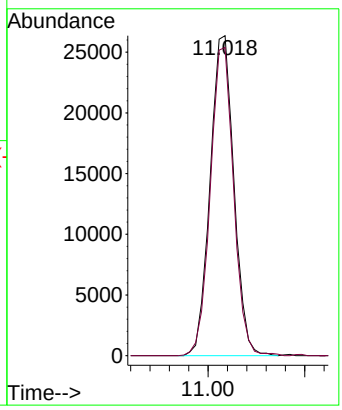


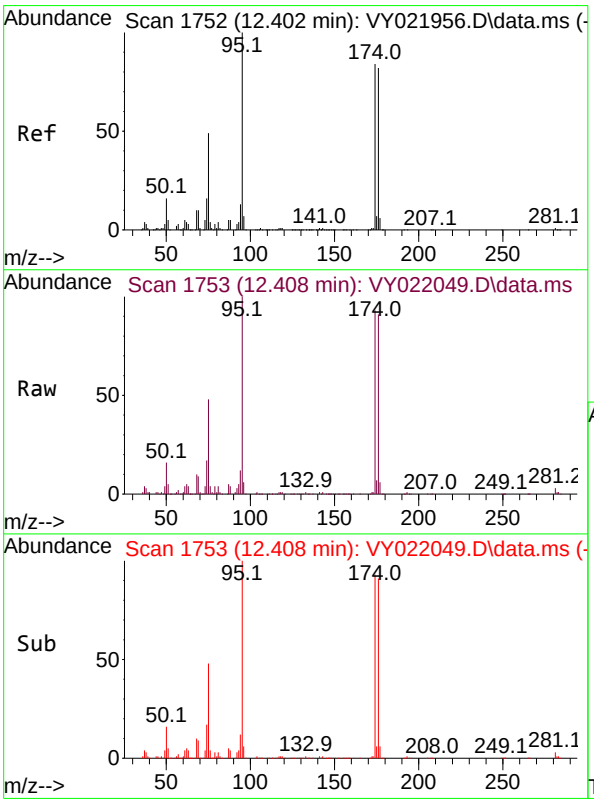
#61
1,2-Dibromoethane
Concen: 20.737 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:107 Resp: 45004

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.8

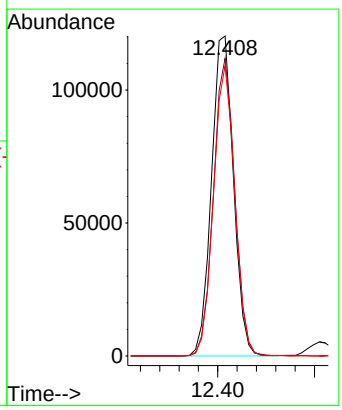


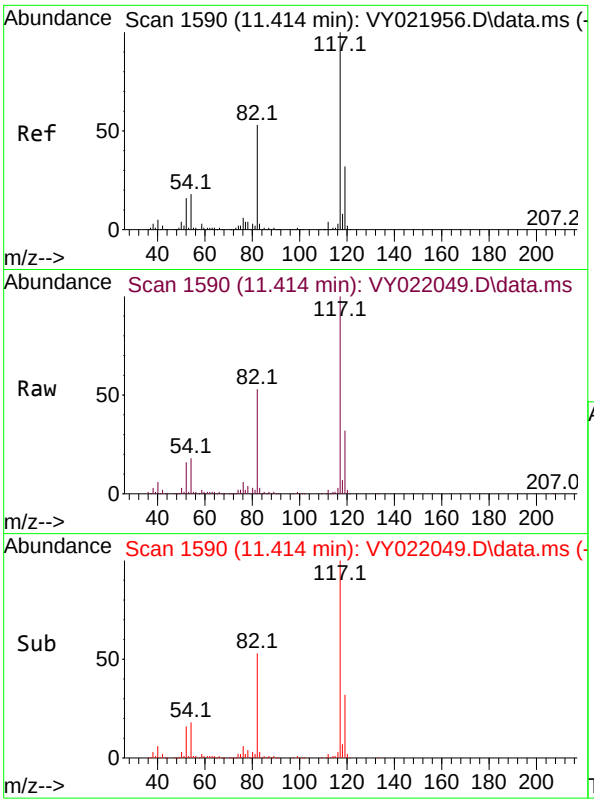


#62
4-Bromofluorobenzene
Concen: 50.506 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 95 Resp: 189774

Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	179.0
176	87.7	0.0	171.8



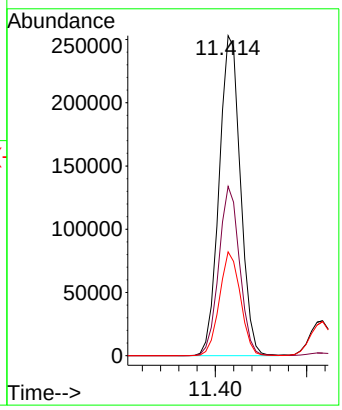


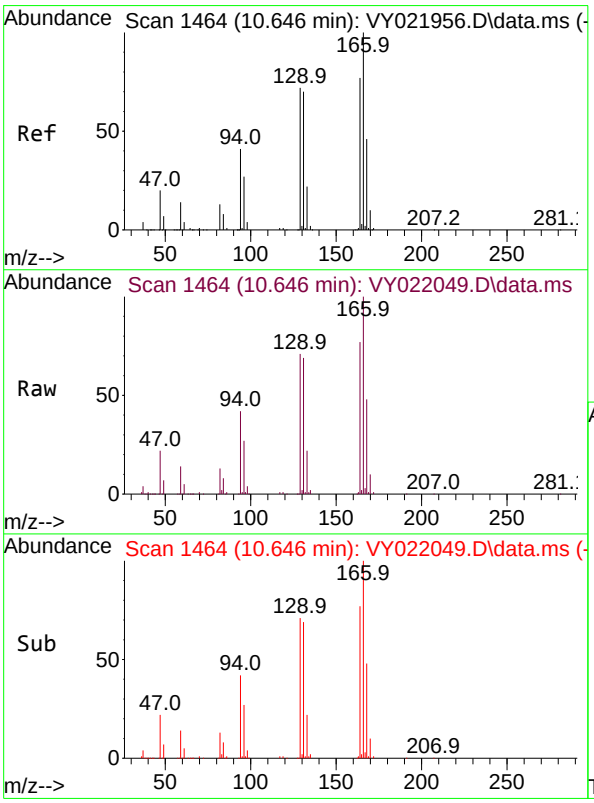
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:117 Resp: 409949

Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.1	63.1
119	32.4	25.7	38.5

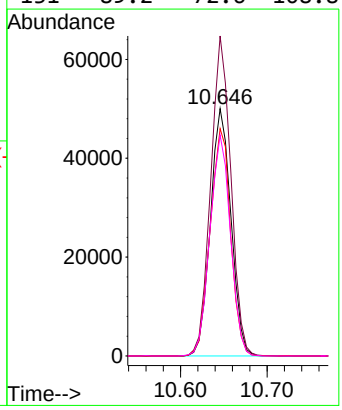


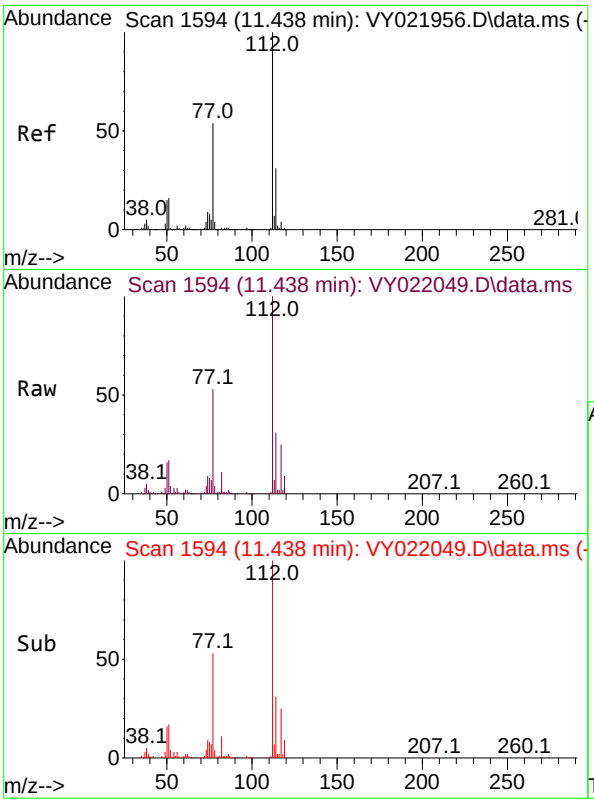


#64
Tetrachloroethene
Concen: 21.341 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:164 Resp: 82533

Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.6	155.4
129	91.9	74.2	111.4
131	89.2	72.6	108.8



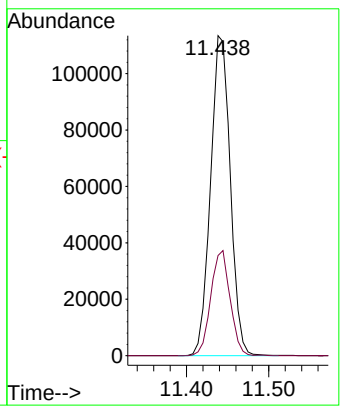


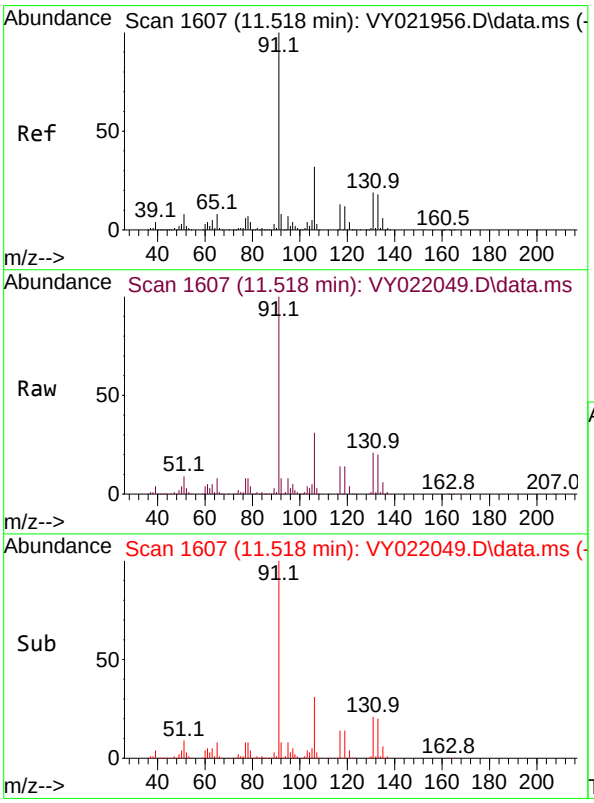
#65
Chlorobenzene
Concen: 20.626 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:112 Resp: 189085

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.0	37.4

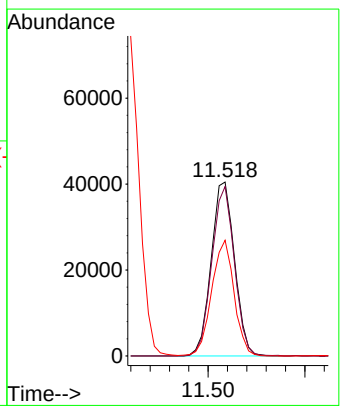


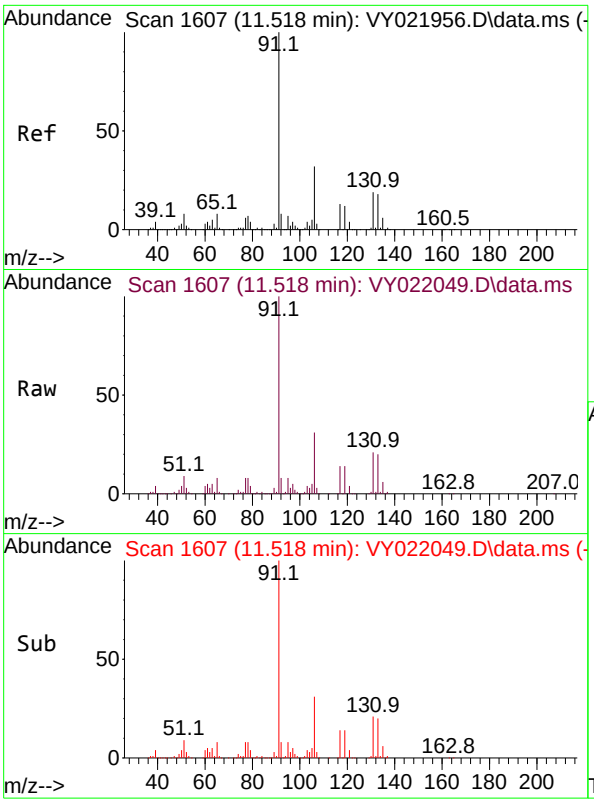


#66
1,1,1,2-Tetrachloroethane
Concen: 20.976 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:131 Resp: 67699

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.8	143.3
119	64.1	32.4	97.0



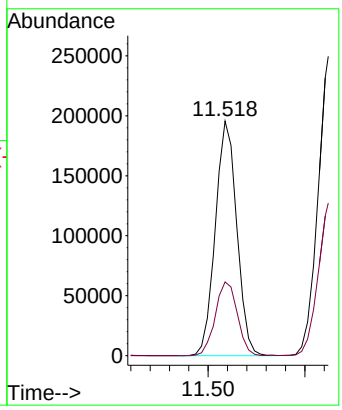


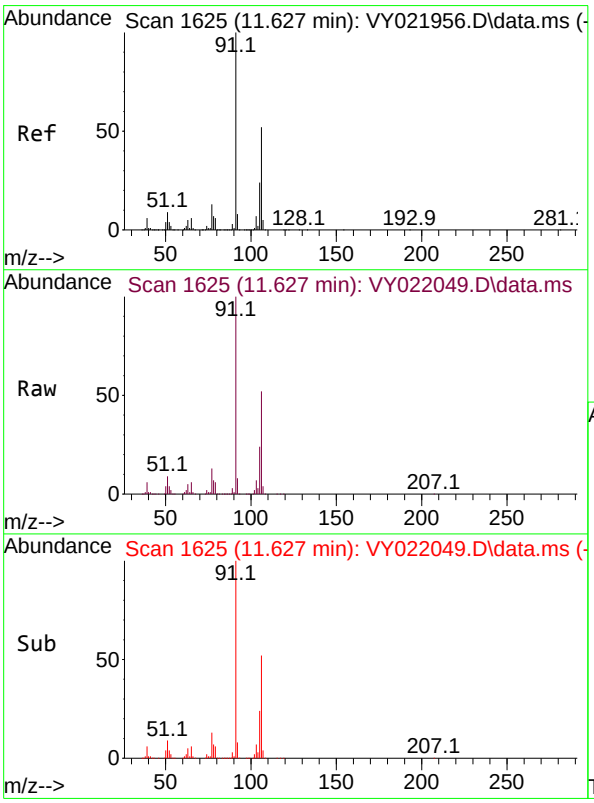
#67
Ethyl Benzene
Concen: 20.051 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 91 Resp: 300699

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.9	38.9

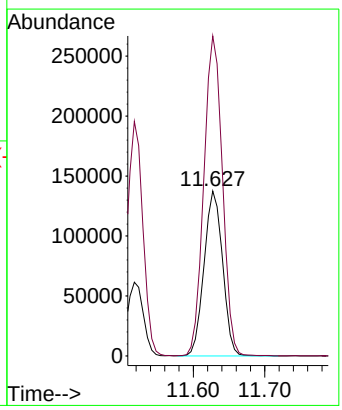


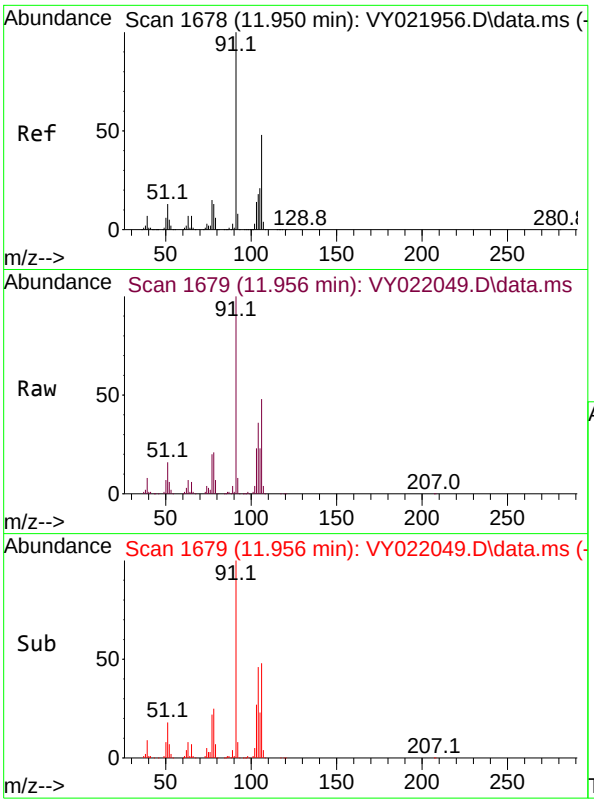


#68
m/p-Xylenes
Concen: 41.372 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:106 Resp: 246885

Ion	Ratio	Lower	Upper
106	100		
91	195.0	156.2	234.2



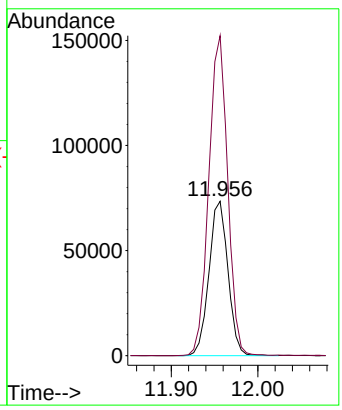


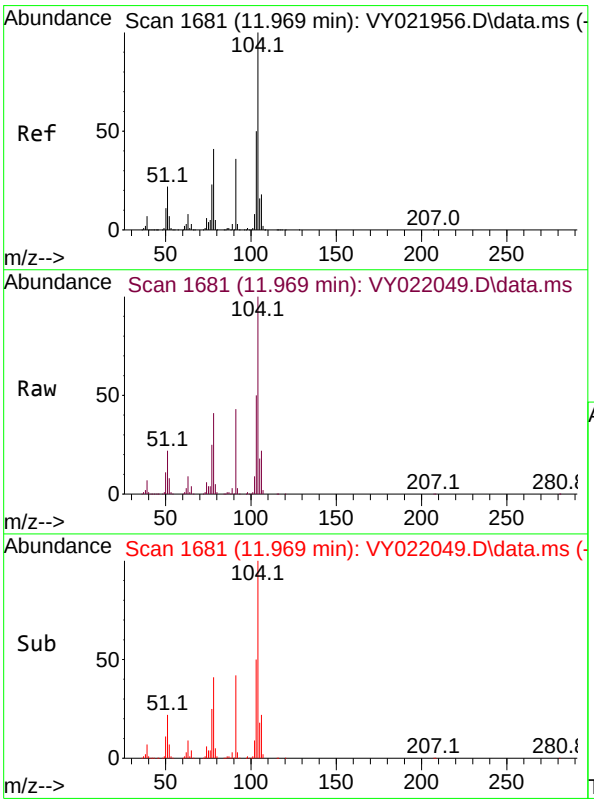
#69
o-Xylene
Concen: 20.384 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:106 Resp: 112115

Ion	Ratio	Lower	Upper
106	100		
91	205.7	103.0	308.9

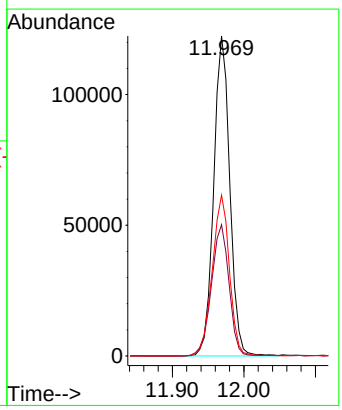


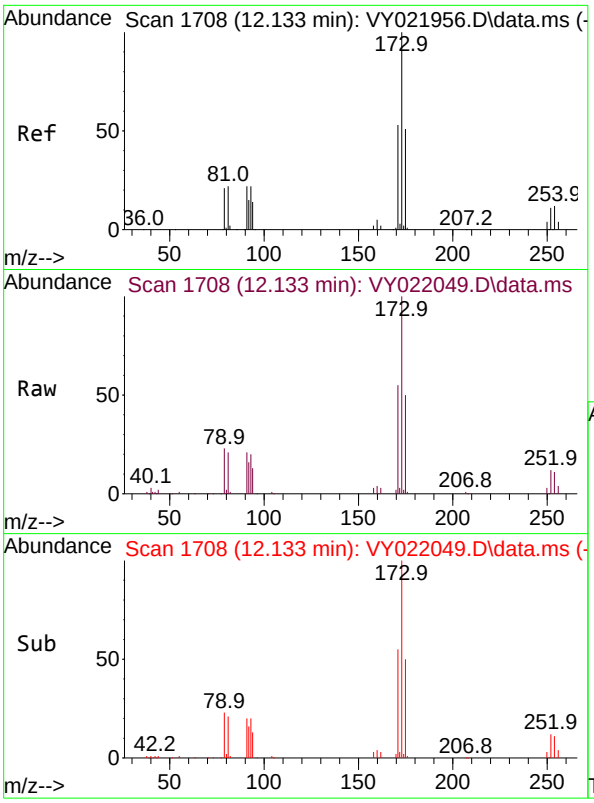


#70
Styrene
Concen: 20.688 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:104 Resp: 191054

Ion	Ratio	Lower	Upper
104	100		
78	44.9	36.6	54.8
103	53.8	43.8	65.8



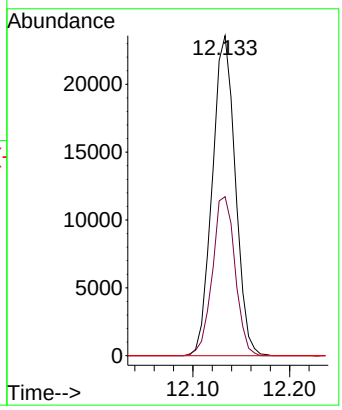


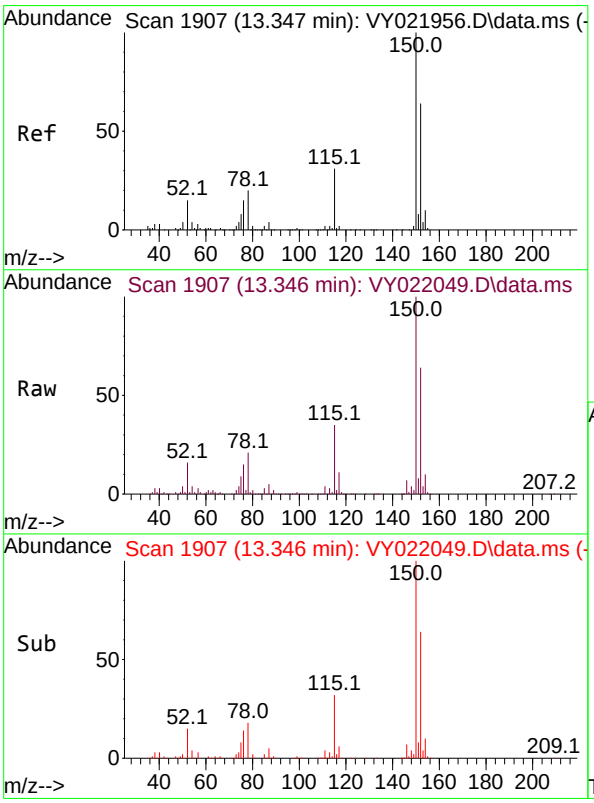
#71
Bromoform
Concen: 20.745 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:173 Resp: 38927

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.0	0.0	0.0

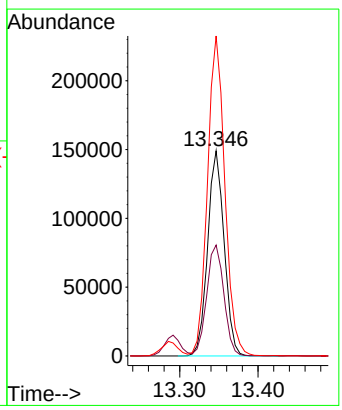


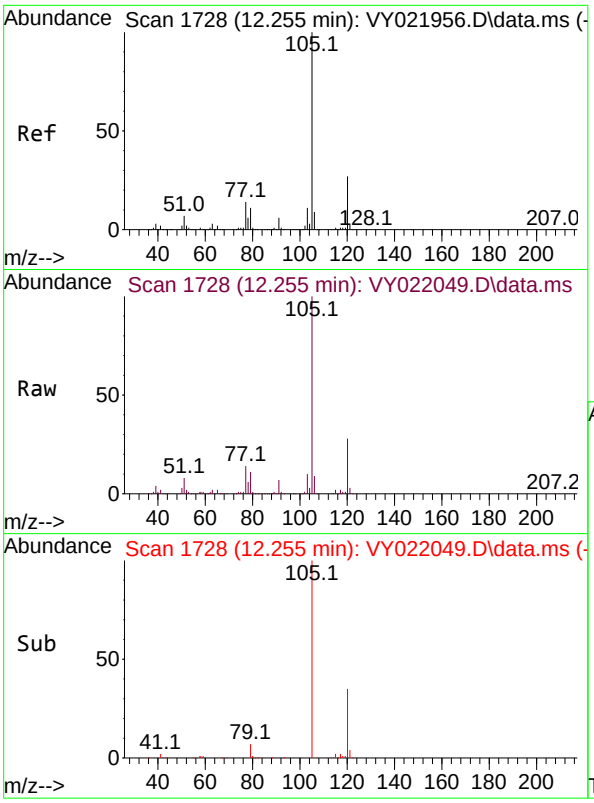


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:152 Resp: 218010

Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.0	84.0
150	164.0	0.0	345.6



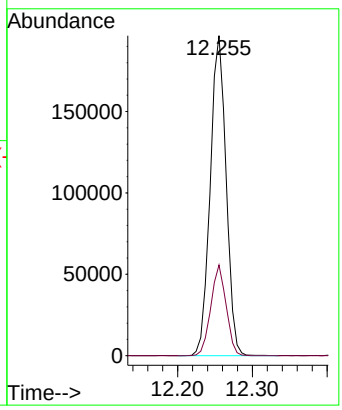


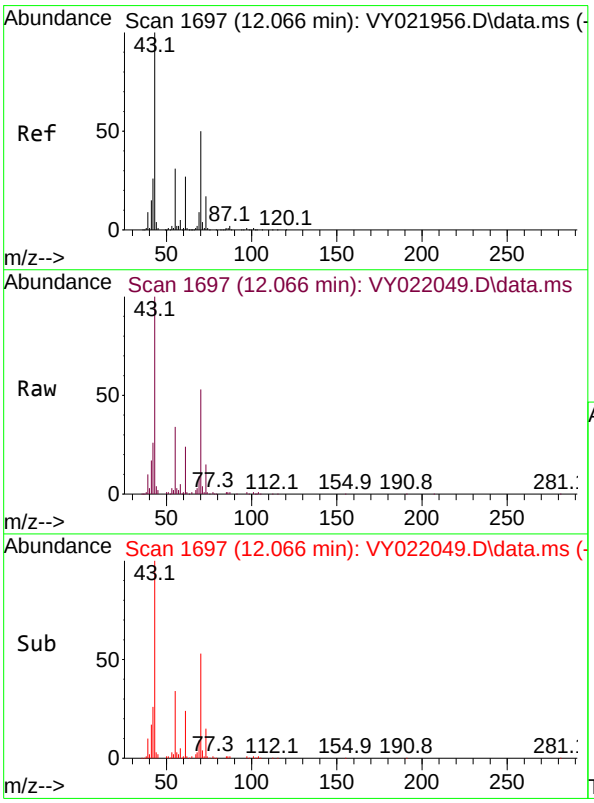
#73
Isopropylbenzene
Concen: 19.929 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:105 Resp: 290274

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5

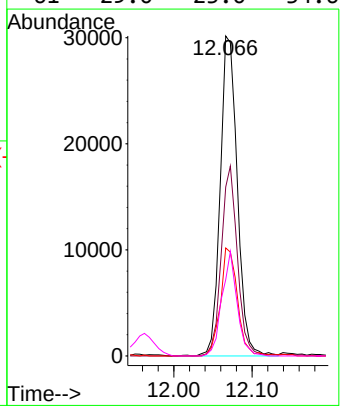


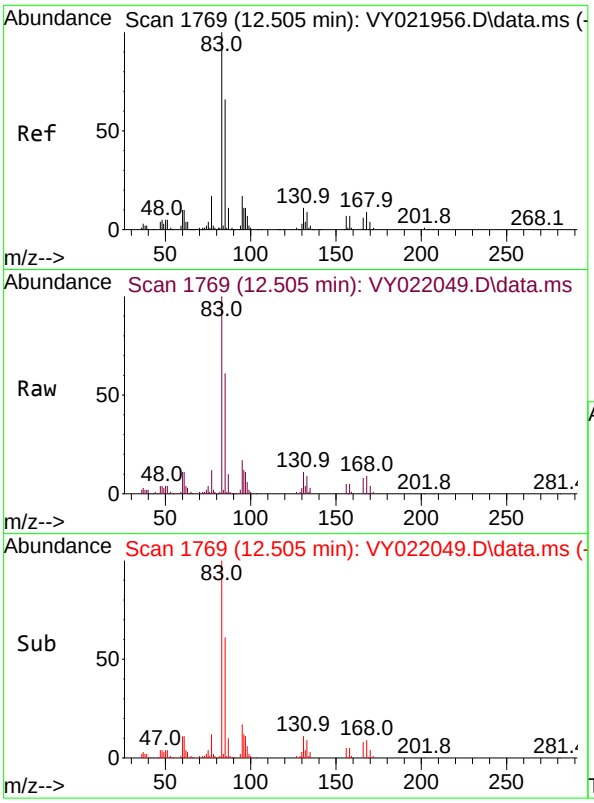


#74
N-amyl acetate
Concen: 18.331 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 43 Resp: 45873

Ion	Ratio	Lower	Upper
43	100		
70	56.1	43.2	64.8
55	33.9	25.7	38.5
61	29.0	23.0	34.6



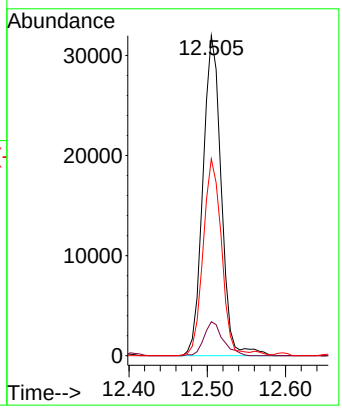


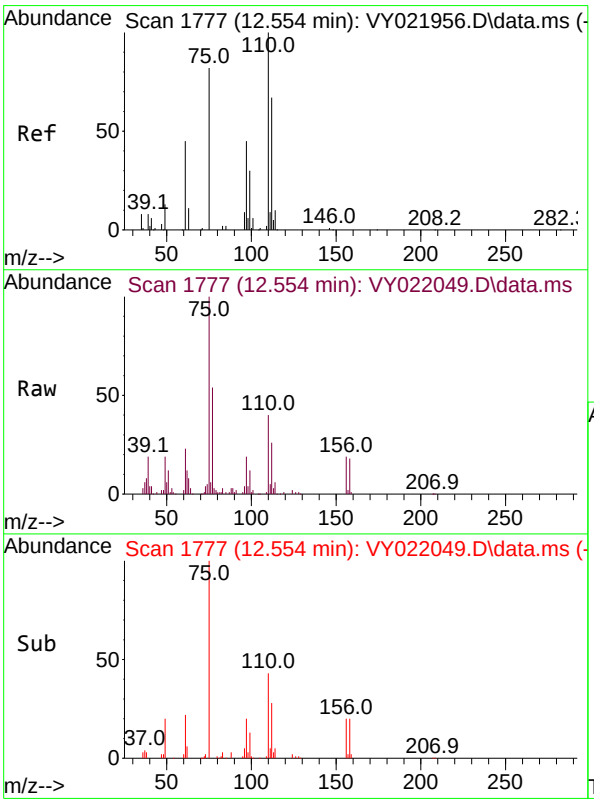
#75
1,1,2,2-Tetrachloroethane
Concen: 21.071 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 83 Resp: 51744

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	61.7	32.3	96.8

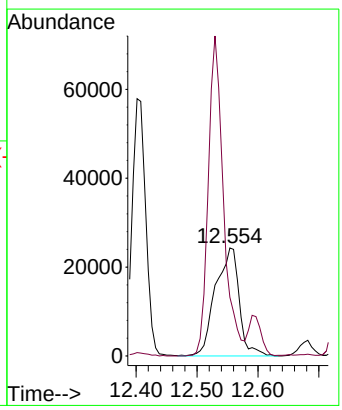


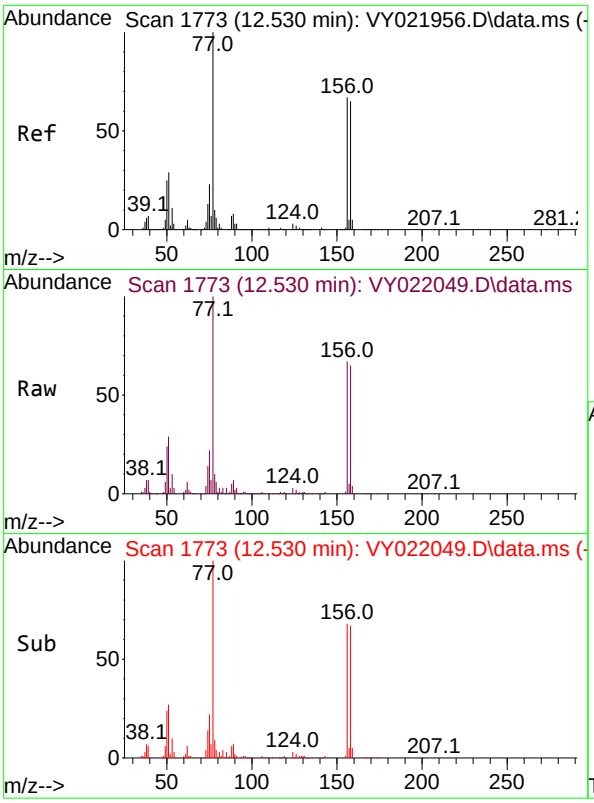


#76
1,2,3-Trichloropropane
Concen: 35.288 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 65896

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



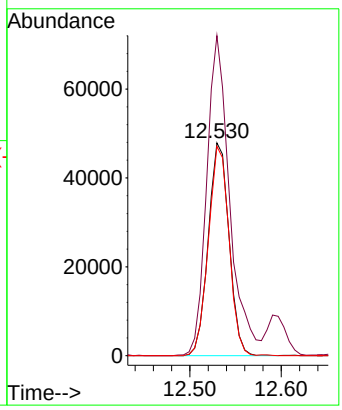


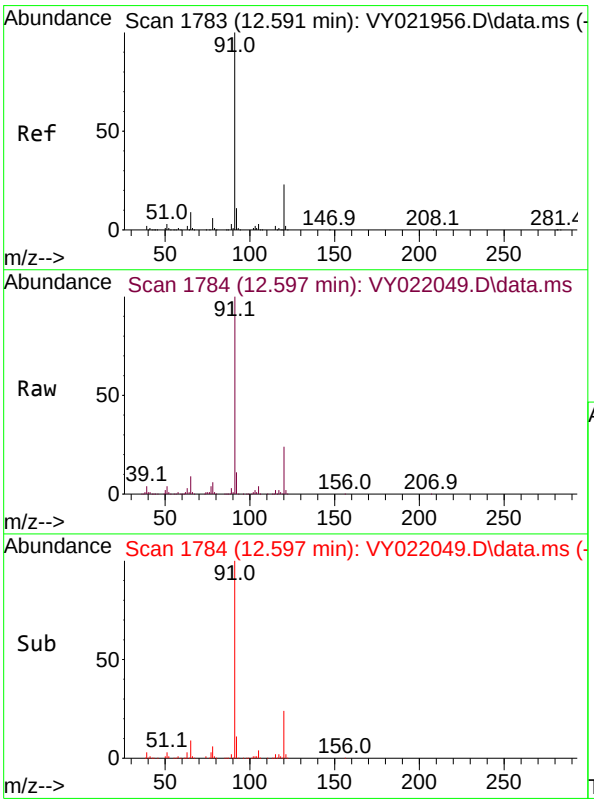
#77
Bromobenzene
Concen: 20.544 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:156 Resp: 75612

Ion	Ratio	Lower	Upper
156	100		
77	166.5	82.7	248.1
158	97.7	48.1	144.4

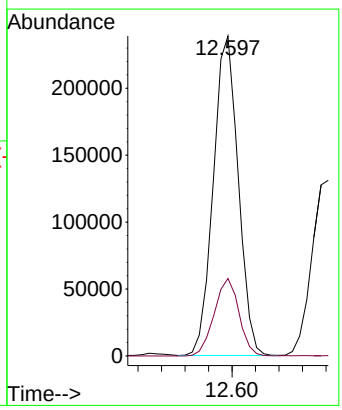


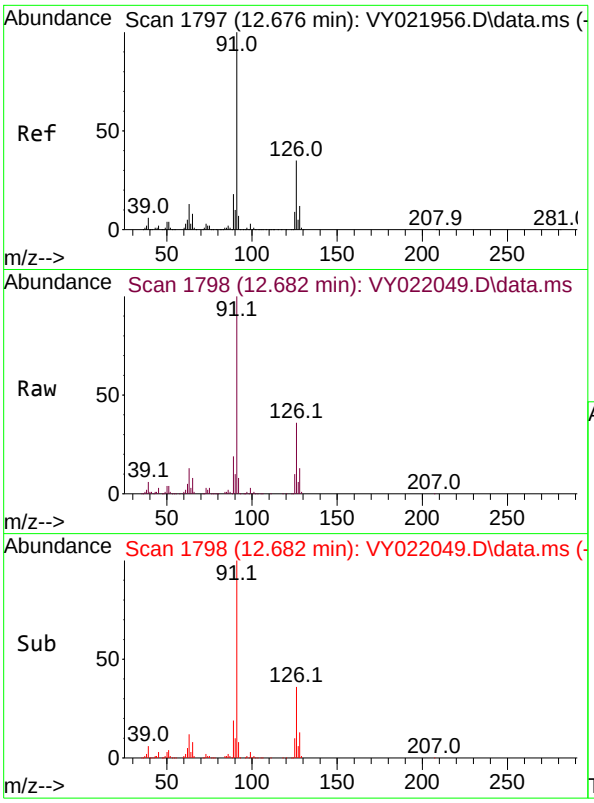


#78
n-propylbenzene
Concen: 20.274 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 91 Resp: 351661

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.5



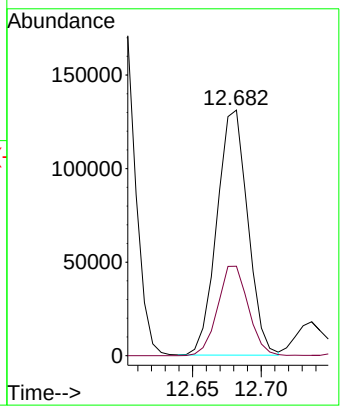


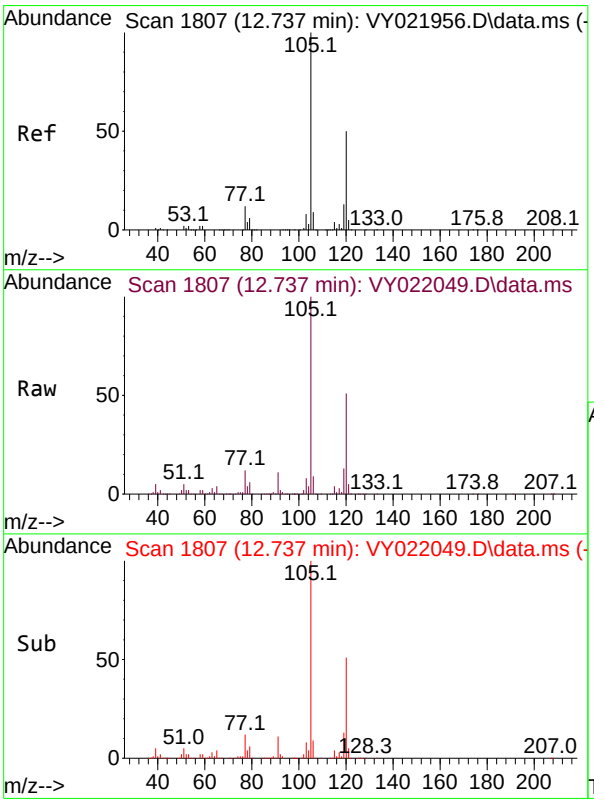
#79
2-Chlorotoluene
Concen: 20.322 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 91 Resp: 204997

Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.9	53.8

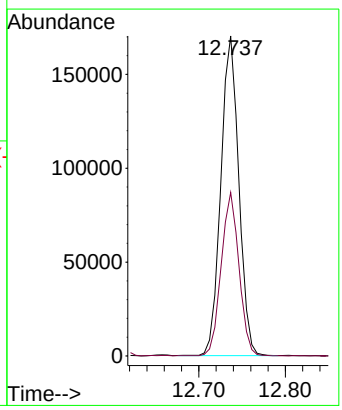


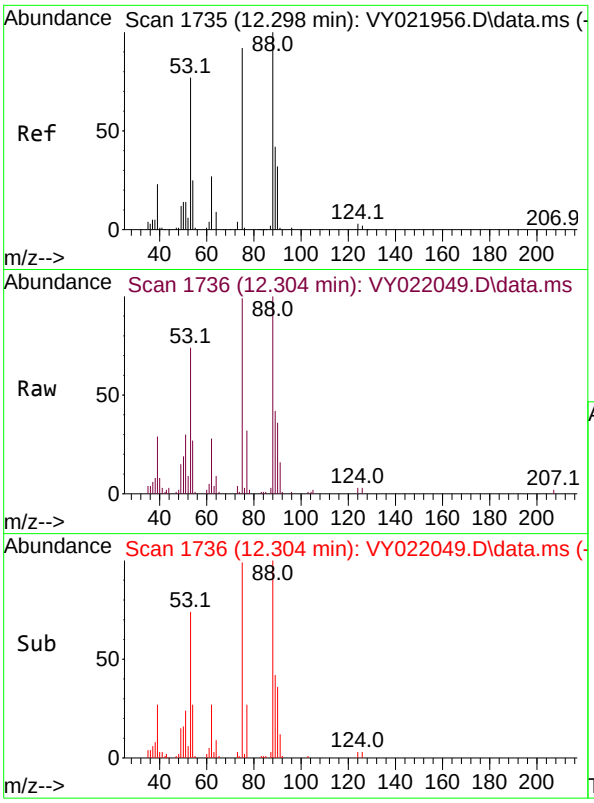


#80
1,3,5-Trimethylbenzene
Concen: 20.398 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:105 Resp: 244799

Ion	Ratio	Lower	Upper
105	100		
120	50.8	25.0	75.0



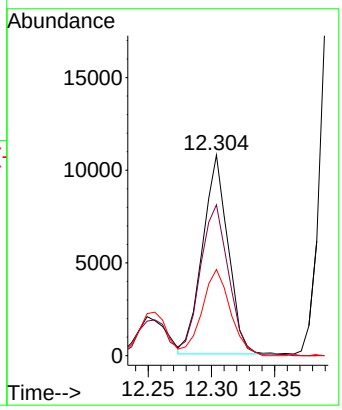


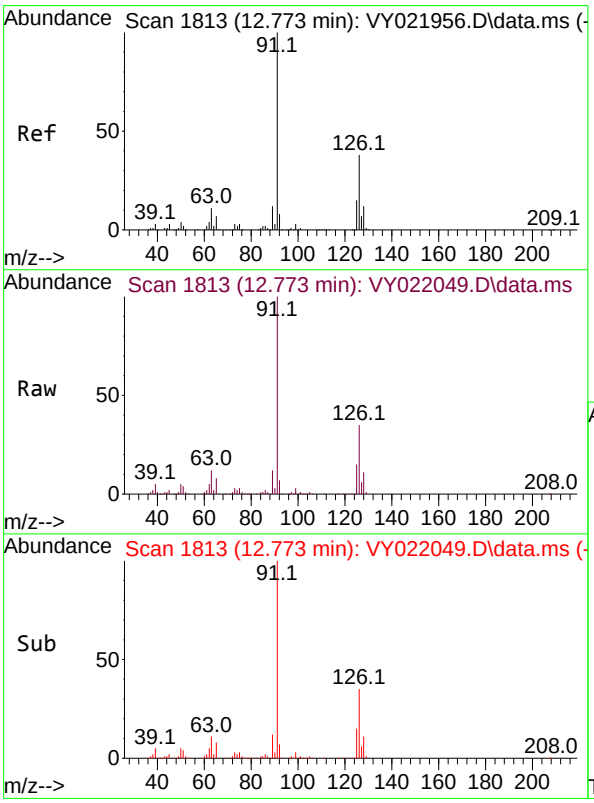
#81
trans-1,4-Dichloro-2-butene
Concen: 19.399 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 75 Resp: 15043

Ion	Ratio	Lower	Upper
75	100		
53	84.8	66.0	99.0
89	48.2	37.2	55.8

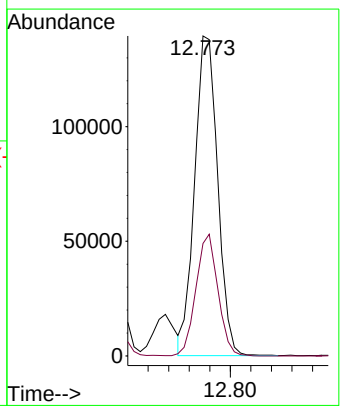


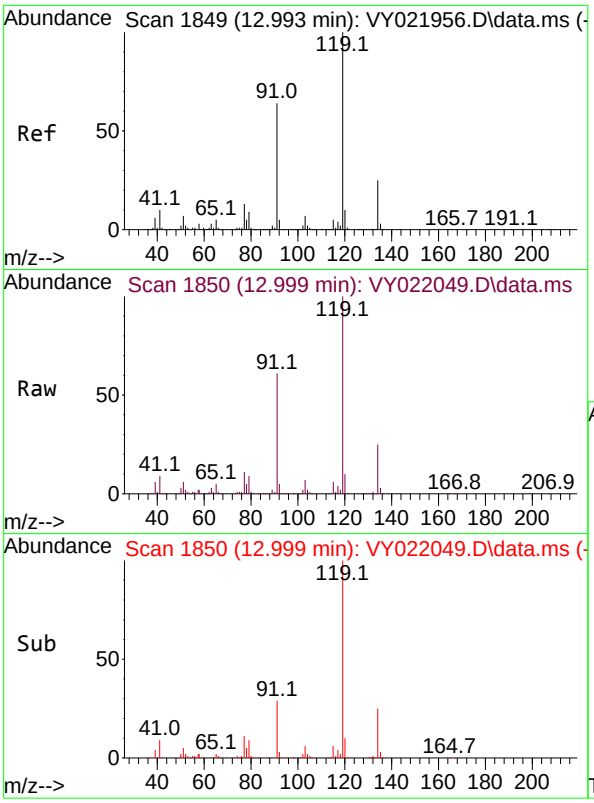


#82
4-Chlorotoluene
Concen: 20.674 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 91 Resp: 216790

Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8



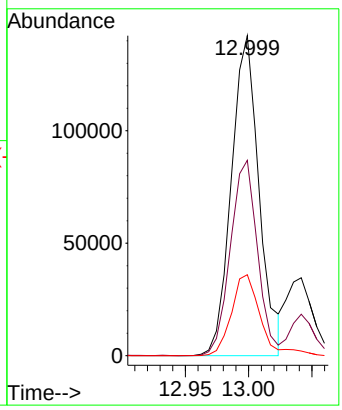


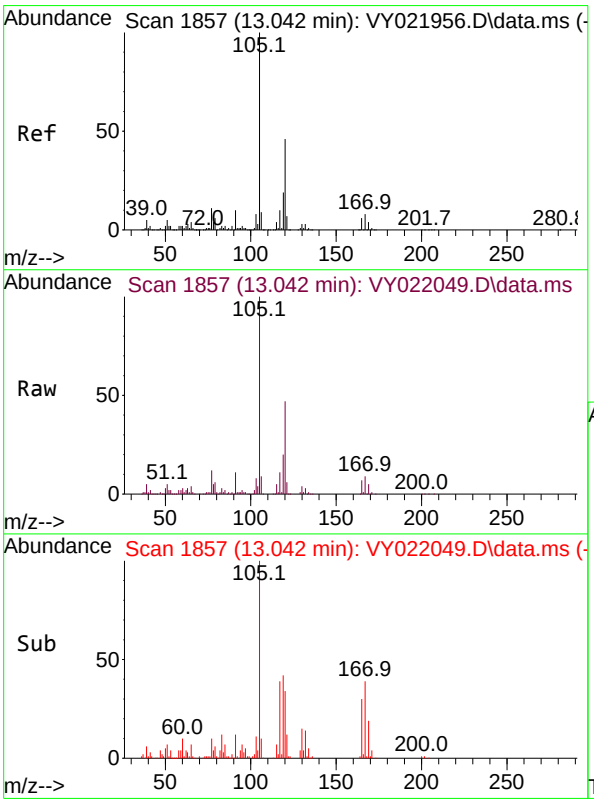
#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:119 Resp: 216972

Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.3	90.9
134	26.6	12.9	38.7

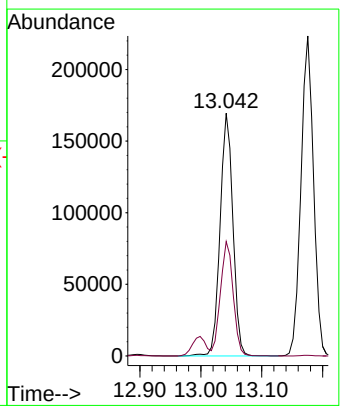


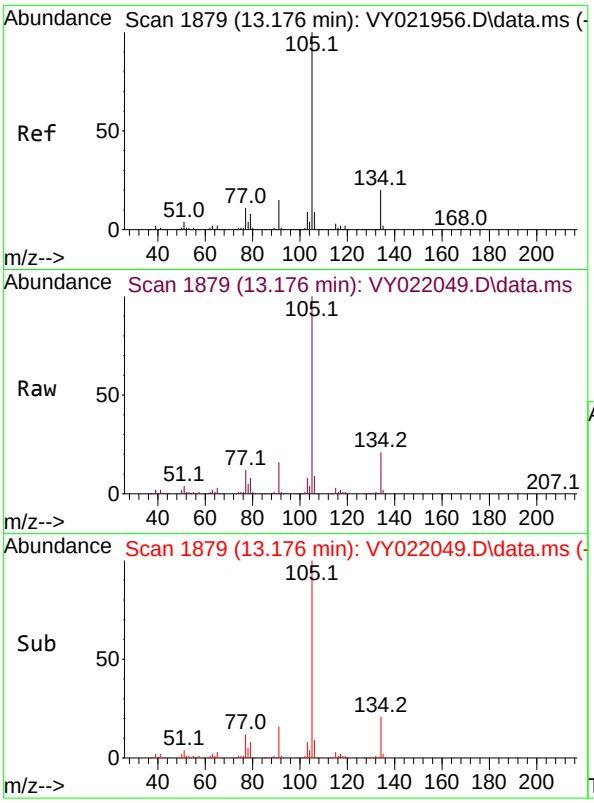


#84
1,2,4-Trimethylbenzene
Concen: 20.595 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:105 Resp: 247217

Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.0



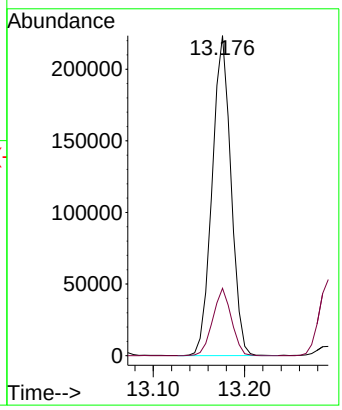


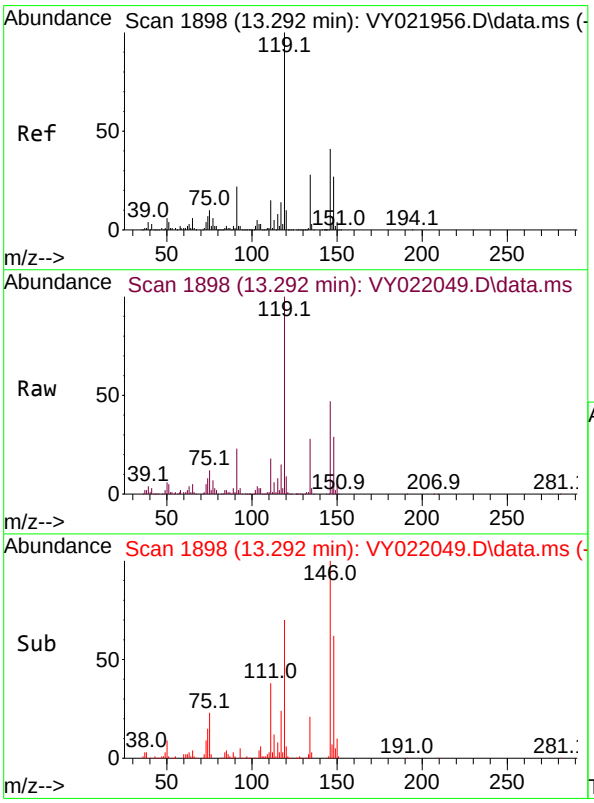
#85
sec-Butylbenzene
Concen: 20.253 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:105 Resp: 318982

Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

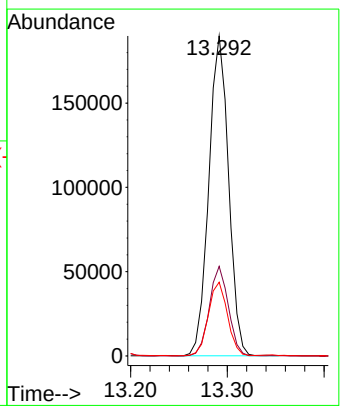


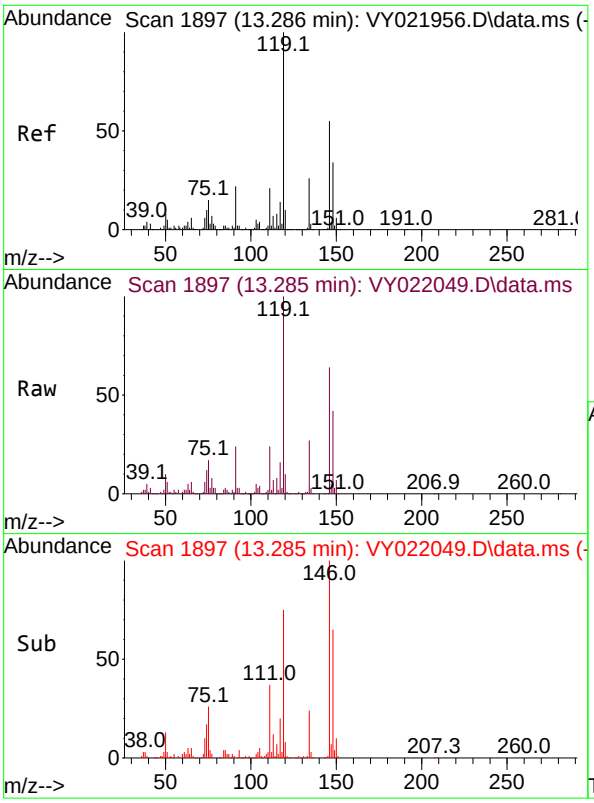


#86
p-Isopropyltoluene
Concen: 20.146 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:119 Resp: 269435

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.4	11.0	33.0



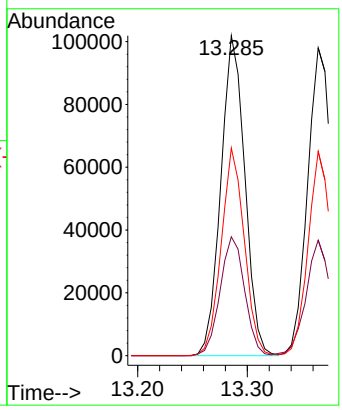


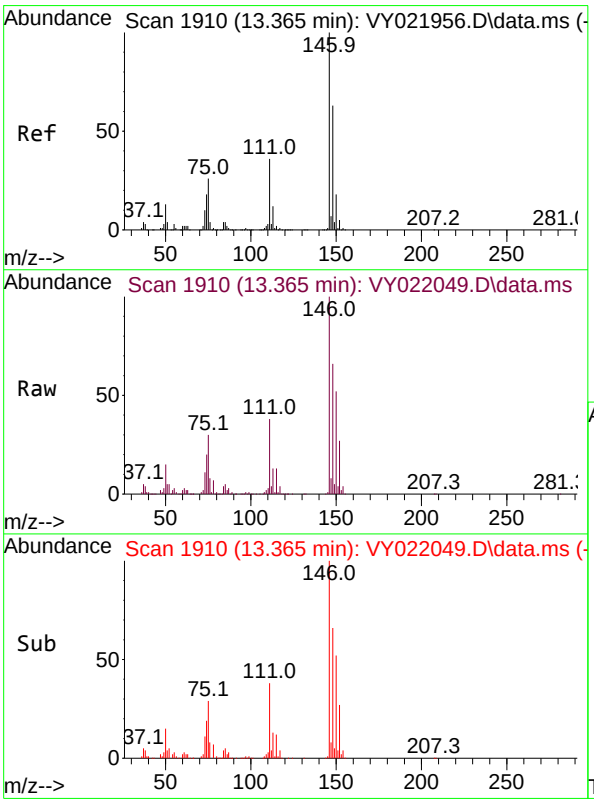
#87
1,3-Dichlorobenzene
Concen: 20.762 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:146 Resp: 155202

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	62.5	32.0	96.2

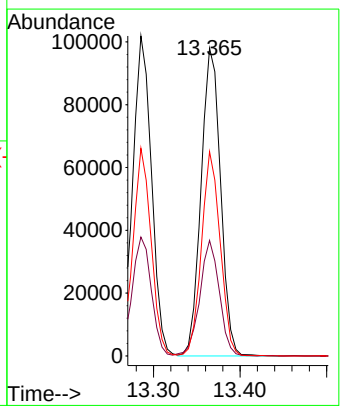


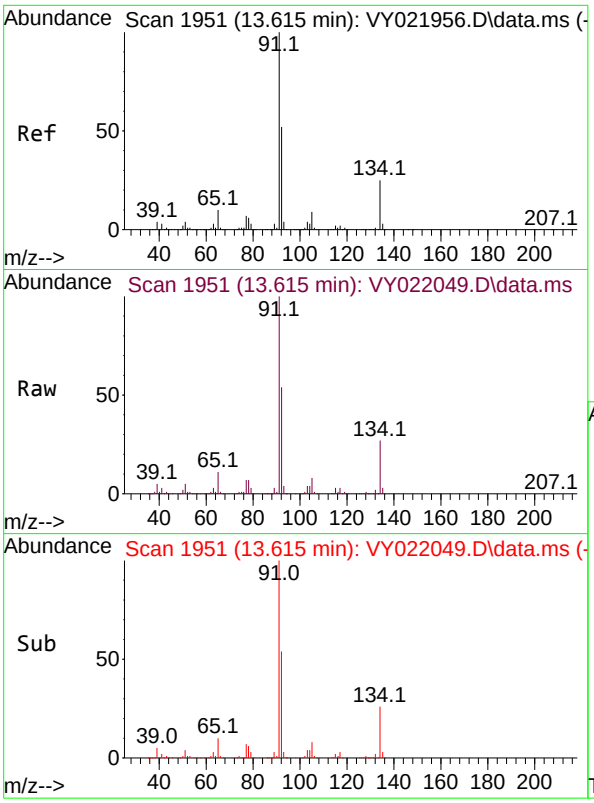


#88
1,4-Dichlorobenzene
Concen: 20.735 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:146 Resp: 153508

Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.2	57.6
148	63.7	32.0	96.0



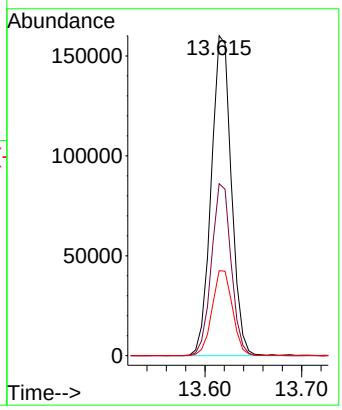


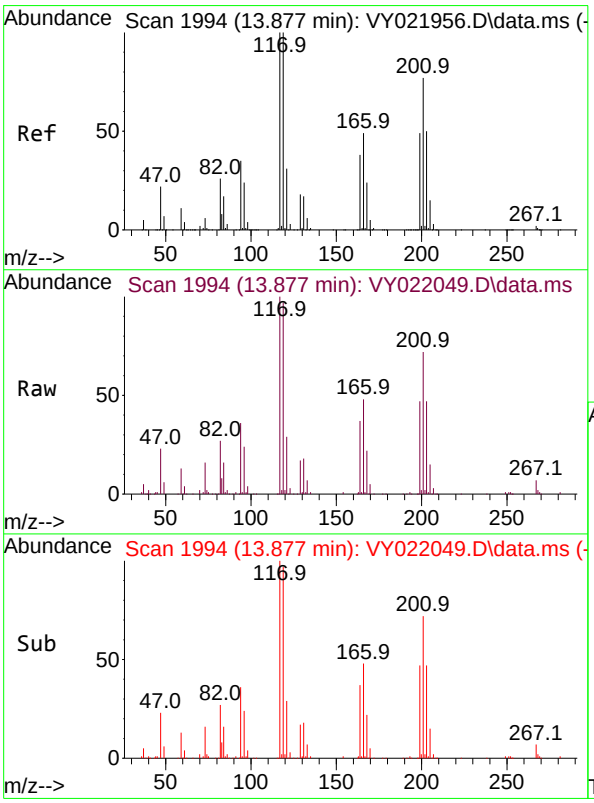
#89
n-Butylbenzene
Concen: 19.355 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion: 91 Resp: 231371

Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.0	13.4	40.1

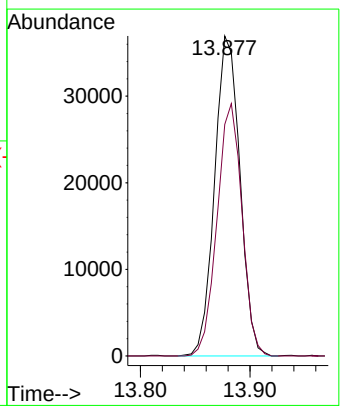


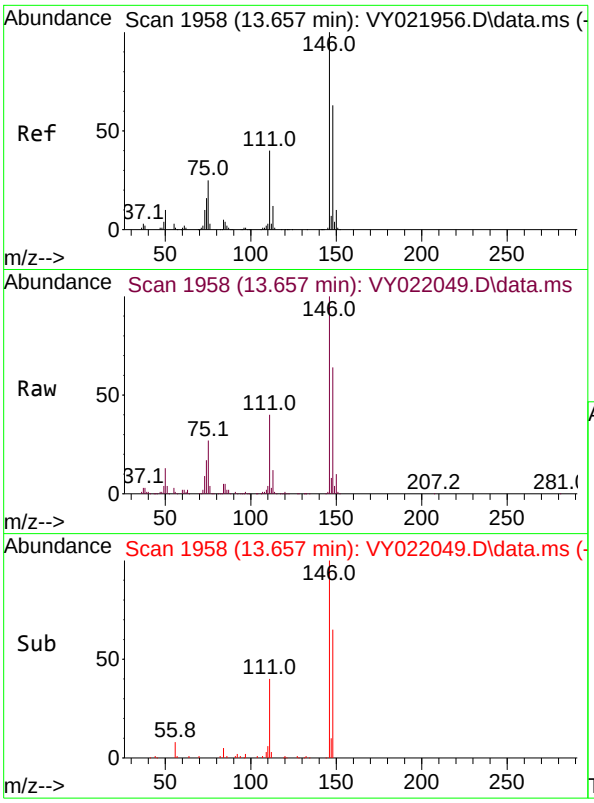


#90
Hexachloroethane
Concen: 20.159 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:117 Resp: 59236

Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.7	116.1



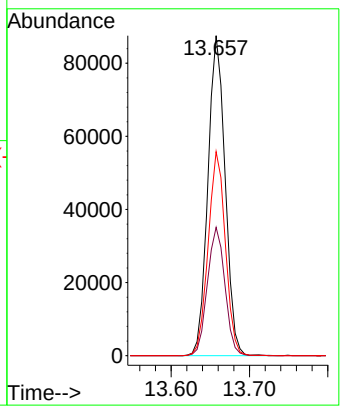


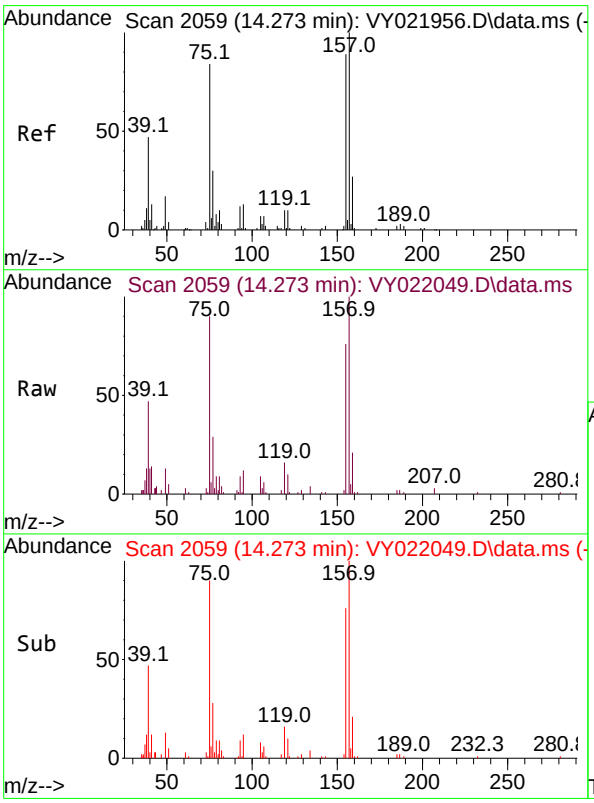
#91
1,2-Dichlorobenzene
Concen: 20.496 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:146 Resp: 133628

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.7	59.1
148	63.8	32.1	96.3

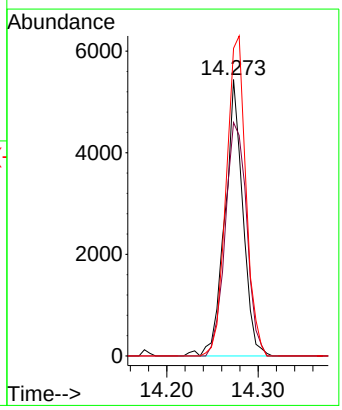


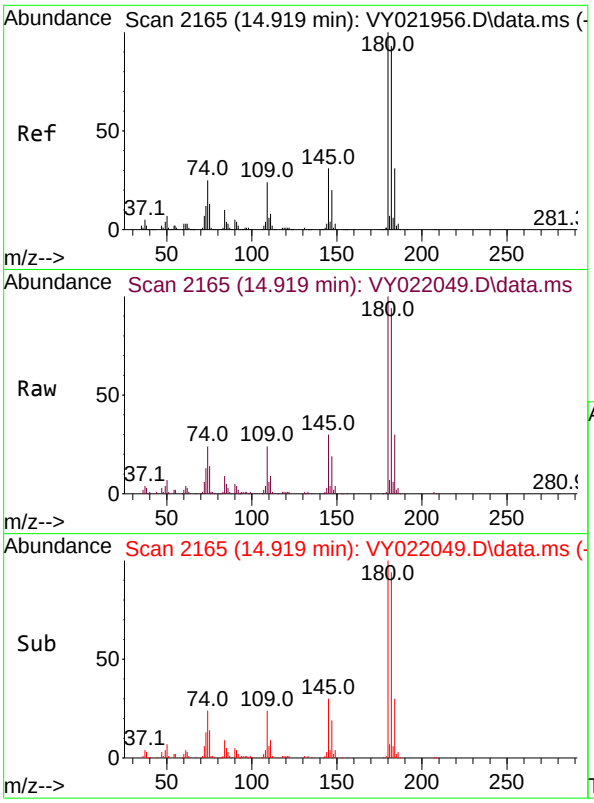


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.035 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion: 75 Resp: 7437

Ion	Ratio	Lower	Upper
75	100		
155	100.7	50.7	152.3
157	126.6	62.6	187.8



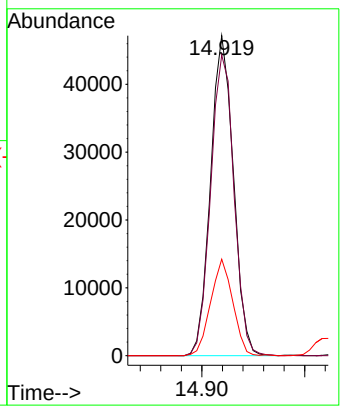


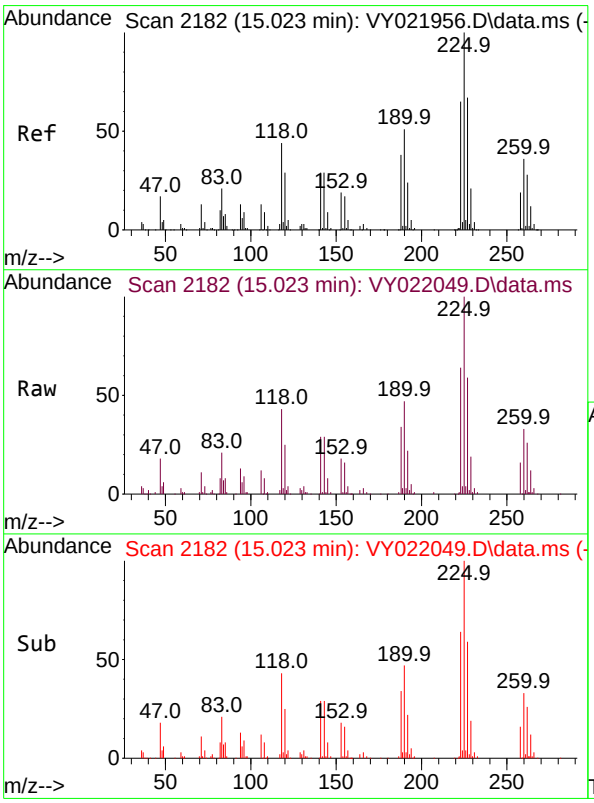
#93
1,2,4-Trichlorobenzene
Concen: 19.645 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:180 Resp: 72581

Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.1	141.4
145	29.3	15.0	45.0

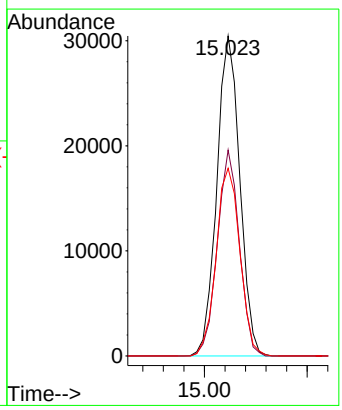


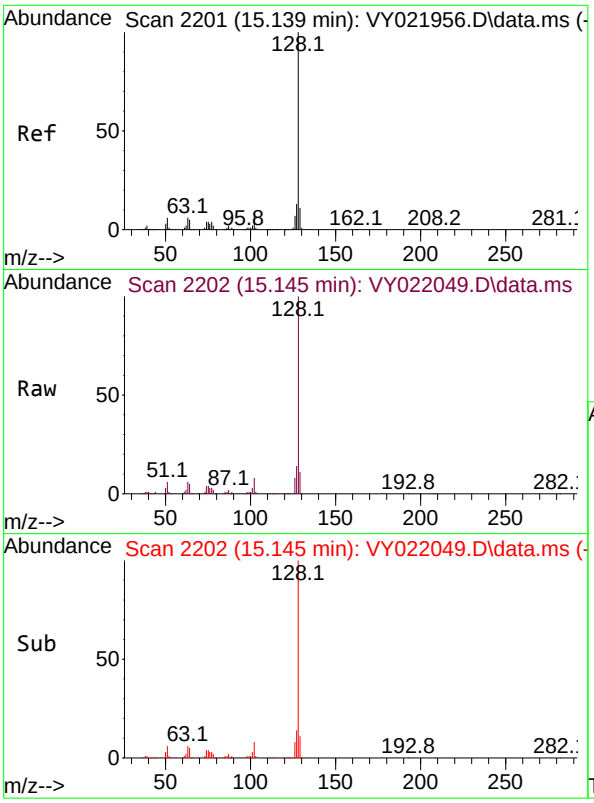


#94
Hexachlorobutadiene
Concen: 20.788 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:225 Resp: 47255

Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.5
227	60.5	32.3	96.9



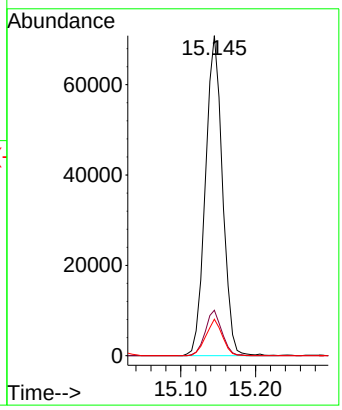


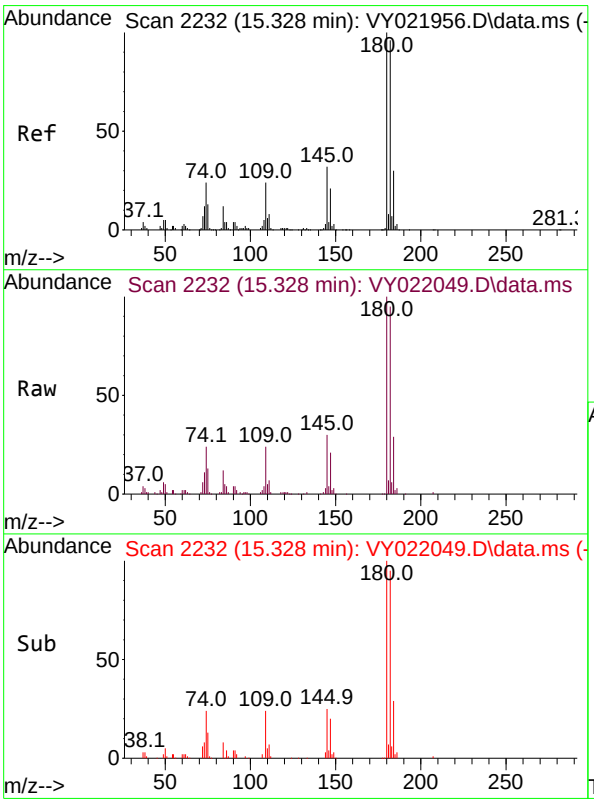
#95
Naphthalene
Concen: 18.277 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Instrument :
MSVOA_Y
ClientSampleId :
VY0429SBSD01

Tgt Ion:128 Resp: 112172

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	16.0
129	11.0	8.9	13.3

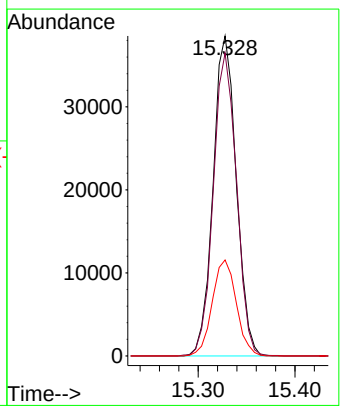




#96
1,2,3-Trichlorobenzene
Concen: 20.092 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022049.D
Acq: 29 Apr 2025 10:53

Tgt Ion:180 Resp: 64078

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.4
145	31.2	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	269052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	418891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	397444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129218	51.995	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.000%			
35) Dibromofluoromethane	7.634	113	147355	53.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.500%			
50) Toluene-d8	10.103	98	560009	53.676	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.360%			
62) 4-Bromofluorobenzene	12.401	95	187088	53.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	105386	45.968	ug/l	97
3) Chloromethane	2.068	50	157111	48.129	ug/l	100
4) Vinyl Chloride	2.202	62	201105	50.132	ug/l	96
5) Bromomethane	2.592	94	158978	46.000	ug/l	99
6) Chloroethane	2.726	64	141458	51.778	ug/l	97
7) Trichlorofluoromethane	3.049	101	263632	49.838	ug/l	98
8) Diethyl Ether	3.446	74	69931	50.792	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.811	101	139332	48.556	ug/l	100
10) Methyl Iodide	4.000	142	180042	54.192	ug/l	99
11) Tert butyl alcohol	4.860	59	36746	269.330	ug/l	98
12) 1,1-Dichloroethene	3.781	96	137296	51.332	ug/l	99
13) Acrolein	3.653	56	55383	226.169	ug/l	98
14) Allyl chloride	4.378	41	160157	51.426	ug/l	98
15) Acrylonitrile	5.055	53	134934	267.708	ug/l	99
16) Acetone	3.866	43	90333	280.286	ug/l	97
17) Carbon Disulfide	4.104	76	429374	50.348	ug/l	98
18) Methyl Acetate	4.378	43	87481	75.357	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	325033	54.295	ug/l	98
20) Methylene Chloride	4.610	84	155832	49.589	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	159575	53.273	ug/l	98
22) Diisopropyl ether	6.012	45	379582	54.768	ug/l	97
23) Vinyl Acetate	5.957	43	924022	247.385	ug/l	100
24) 1,1-Dichloroethane	5.909	63	254741	53.026	ug/l	98
25) 2-Butanone	6.890	43	150563	265.784	ug/l	99
26) 2,2-Dichloropropane	6.878	77	197993	47.023	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	182008	54.341	ug/l	99
28) Bromochloromethane	7.244	49	99494	53.320	ug/l	97
29) Tetrahydrofuran	7.256	42	100821	274.027	ug/l	97
30) Chloroform	7.414	83	290919	54.594	ug/l	98
31) Cyclohexane	7.701	56	196536	47.840	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	250288	51.916	ug/l	99
36) 1,1-Dichloropropene	7.835	75	192081	51.671	ug/l	99
37) Ethyl Acetate	6.982	43	65862	49.331	ug/l	99
38) Carbon Tetrachloride	7.811	117	228976	51.548	ug/l	98
39) Methylcyclohexane	9.109	83	232877	49.780	ug/l	96
40) Benzene	8.079	78	626786	53.938	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	32666	44.758	ug/l	#	81
42) 1,2-Dichloroethane	8.152	62	154213	53.601	ug/l		100
43) Isopropyl Acetate	8.195	43	135555	52.869	ug/l		99
44) Trichloroethene	8.859	130	169810	52.758	ug/l		98
45) 1,2-Dichloropropane	9.140	63	139643	54.340	ug/l		98
46) Dibromomethane	9.231	93	88680	55.126	ug/l		99
47) Bromodichloromethane	9.420	83	222605	55.392	ug/l		98
48) Methyl methacrylate	9.219	41	64303	54.252	ug/l		95
49) 1,4-Dioxane	9.231	88	19122	1115.262	ug/l		95
51) 4-Methyl-2-Pentanone	9.993	43	378540	281.640	ug/l		100
52) Toluene	10.170	92	418680	55.661	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	184667	53.573	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	217032	52.967	ug/l		99
55) 1,1,2-Trichloroethane	10.566	97	118716	55.247	ug/l		99
56) Ethyl methacrylate	10.438	69	135933	55.318	ug/l		99
57) 1,3-Dichloropropane	10.713	76	188396	54.690	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	350286	291.553	ug/l		100
59) 2-Hexanone	10.755	43	250877	282.992	ug/l		99
60) Dibromochloromethane	10.908	129	167173	56.193	ug/l		99
61) 1,2-Dibromoethane	11.011	107	113453	55.927	ug/l		98
64) Tetrachloroethene	10.646	164	198180	52.857	ug/l		99
65) Chlorobenzene	11.438	112	466269	52.461	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	166548	53.227	ug/l		99
67) Ethyl Benzene	11.517	91	783494	53.889	ug/l		100
68) m/p-Xylenes	11.627	106	630948	109.058	ug/l		99
69) o-Xylene	11.950	106	294908	55.305	ug/l		98
70) Styrene	11.969	104	506252	56.544	ug/l		99
71) Bromoform	12.127	173	99214	54.537	ug/l	#	100
73) Isopropylbenzene	12.255	105	754507	52.147	ug/l		100
74) N-amyl acetate	12.066	43	123233	49.573	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	123603	50.669	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	160879	86.727	ug/l	#	100
77) Bromobenzene	12.529	156	193134	52.825	ug/l		98
78) n-propylbenzene	12.590	91	888566	51.568	ug/l		99
79) 2-Chlorotoluene	12.676	91	525787	52.469	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	631673	52.985	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	36338	47.174	ug/l		99
82) 4-Chlorotoluene	12.773	91	539217	51.763	ug/l		99
83) tert-Butylbenzene	12.993	119	571459	53.448	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	637834	53.490	ug/l		99
85) sec-Butylbenzene	13.170	105	806330	51.537	ug/l		100
86) p-Isopropyltoluene	13.291	119	696362	52.415	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	382082	51.454	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	376582	51.205	ug/l		99
89) n-Butylbenzene	13.615	91	584788	49.245	ug/l		100
90) Hexachloroethane	13.877	117	148747	50.959	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	341181	52.679	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19629	50.577	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	192235	52.378	ug/l		99
94) Hexachlorobutadiene	15.023	225	115180	51.008	ug/l		99
95) Naphthalene	15.145	128	344610	56.524	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	176155	55.603	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

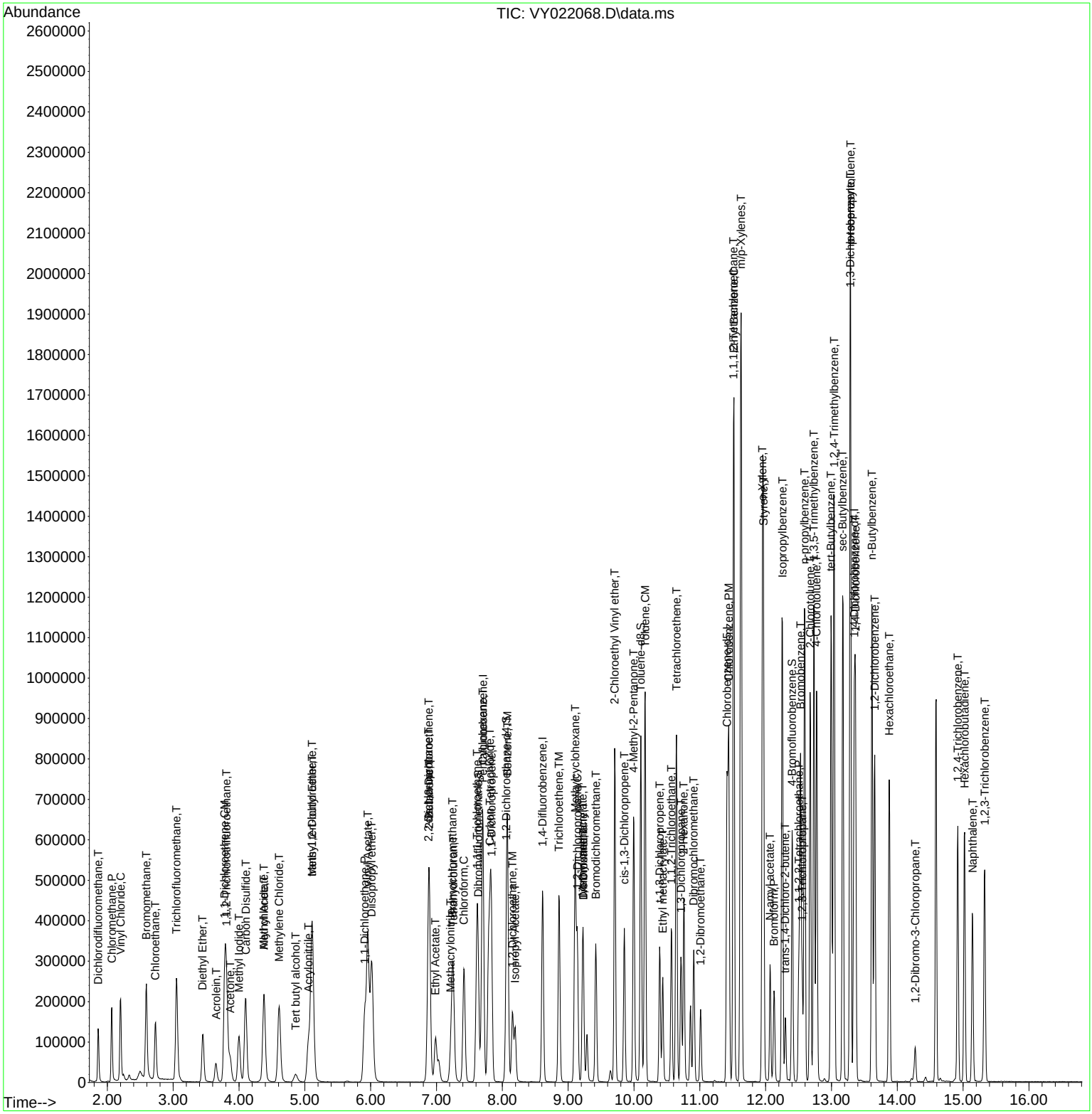
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

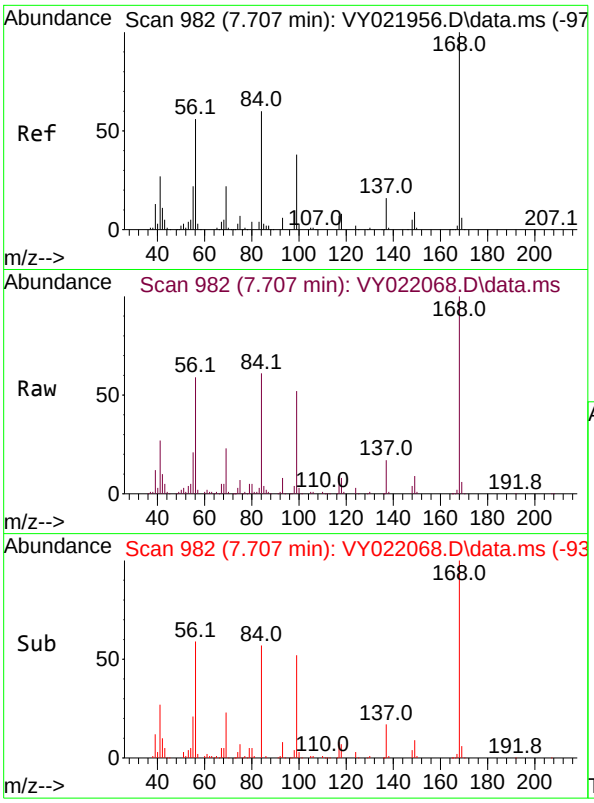
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
Data File : VY022068.D
Acq On : 29 Apr 2025 19:45
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: Apr 30 01:36:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



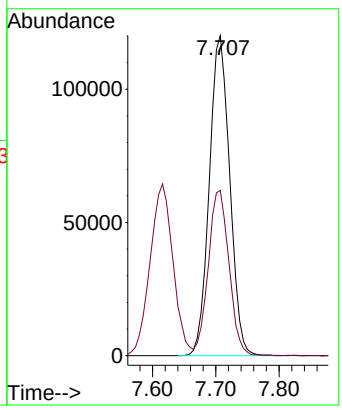


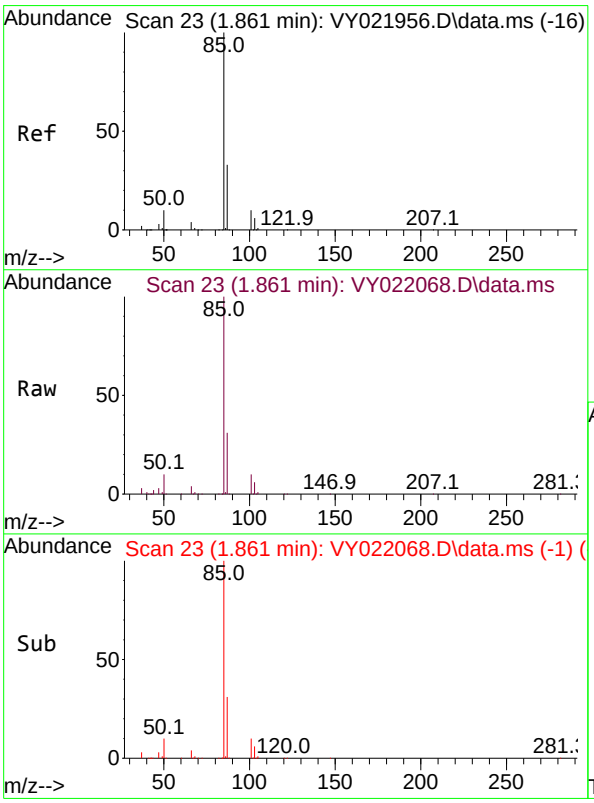
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 269052

Ion	Ratio	Lower	Upper
168	100		
99	51.5	43.1	64.7

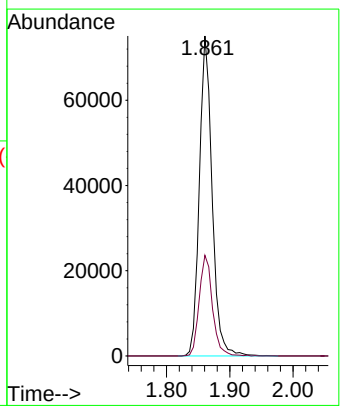


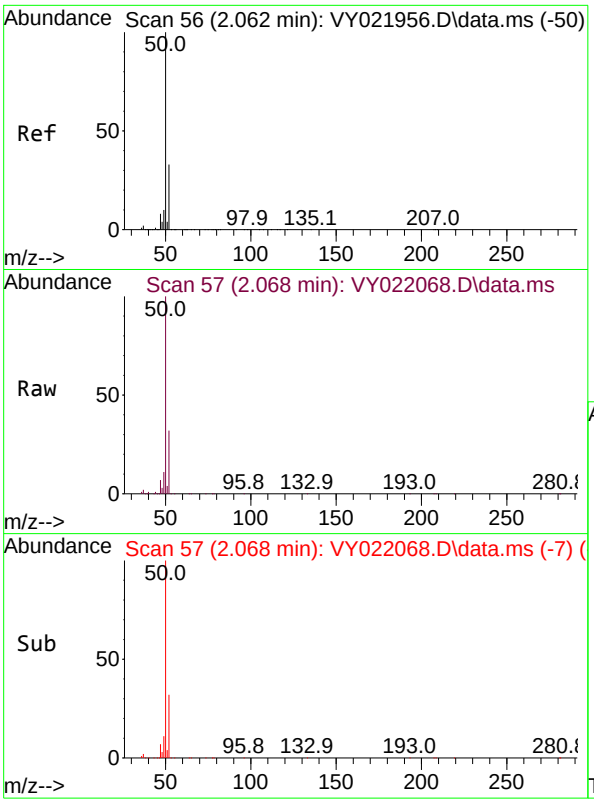


#2
Dichlorodifluoromethane
Concen: 45.968 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 85 Resp: 105386

Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.6	49.7



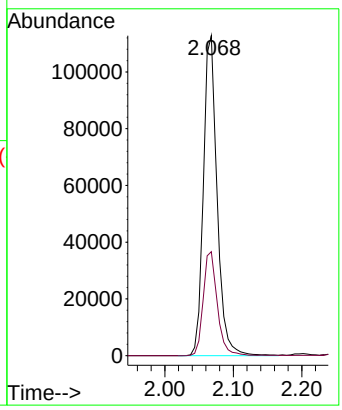


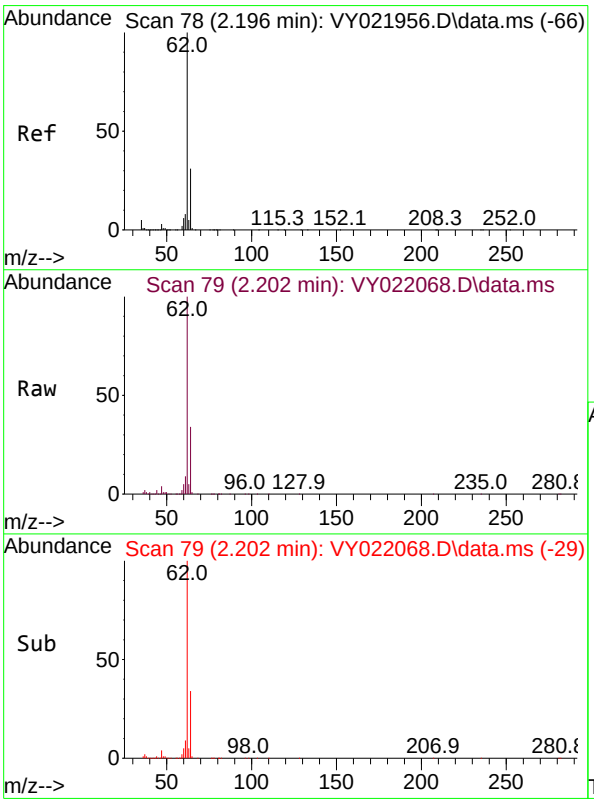
#3
Chloromethane
Concen: 48.129 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 157111

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

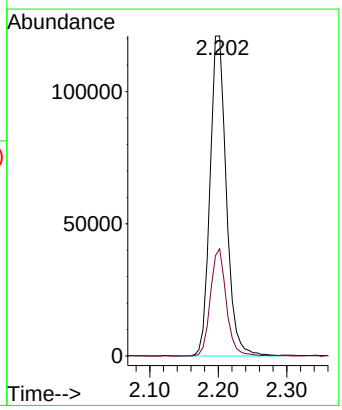


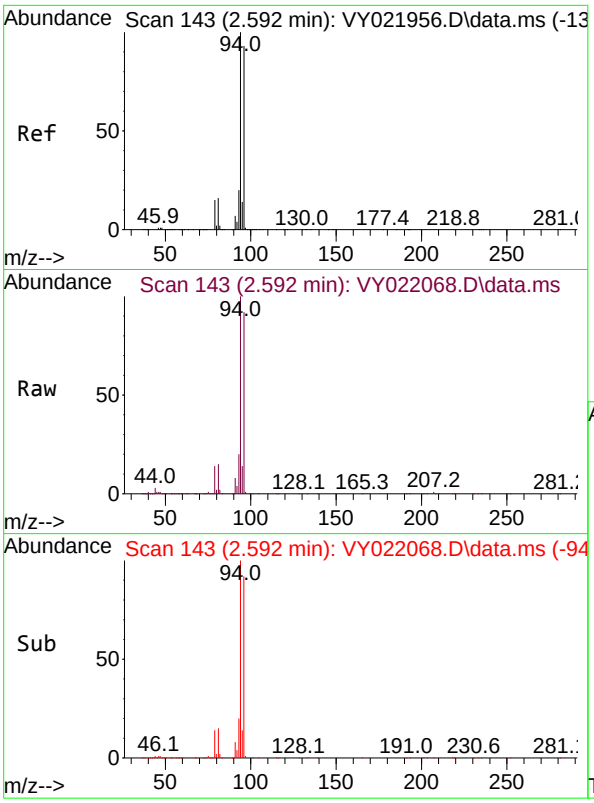


#4
Vinyl Chloride
Concen: 50.132 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 62 Resp: 201105

Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.1	37.7



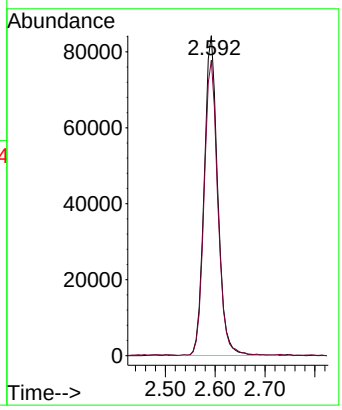


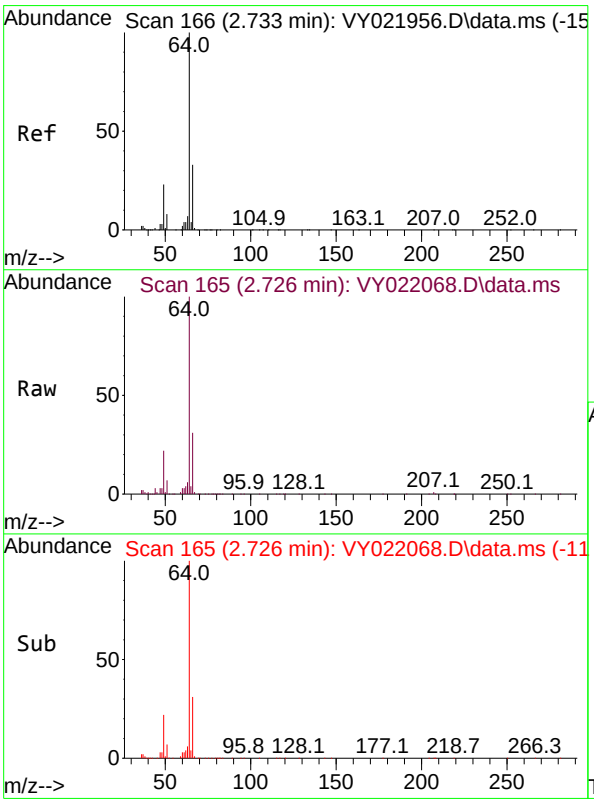
#5
Bromomethane
Concen: 46.000 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 158978

Ion	Ratio	Lower	Upper
94	100		
96	92.3	74.6	111.8

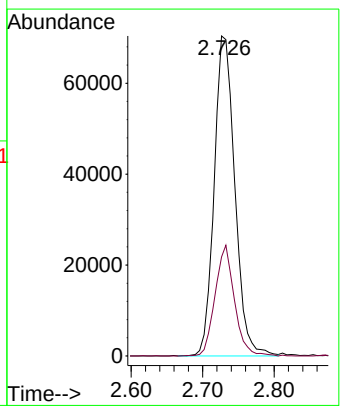


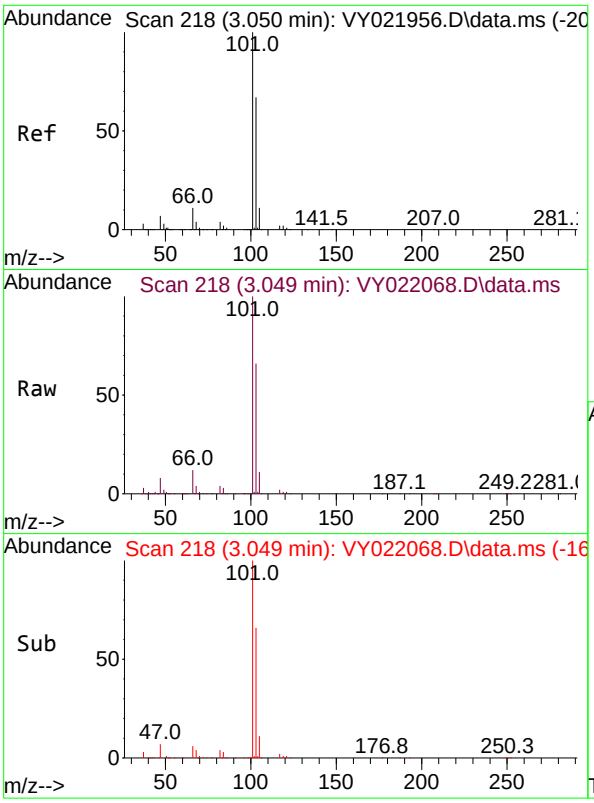


#6
Chloroethane
Concen: 51.778 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 64 Resp: 141458

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.2	39.4



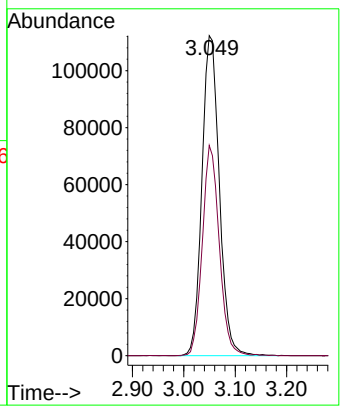


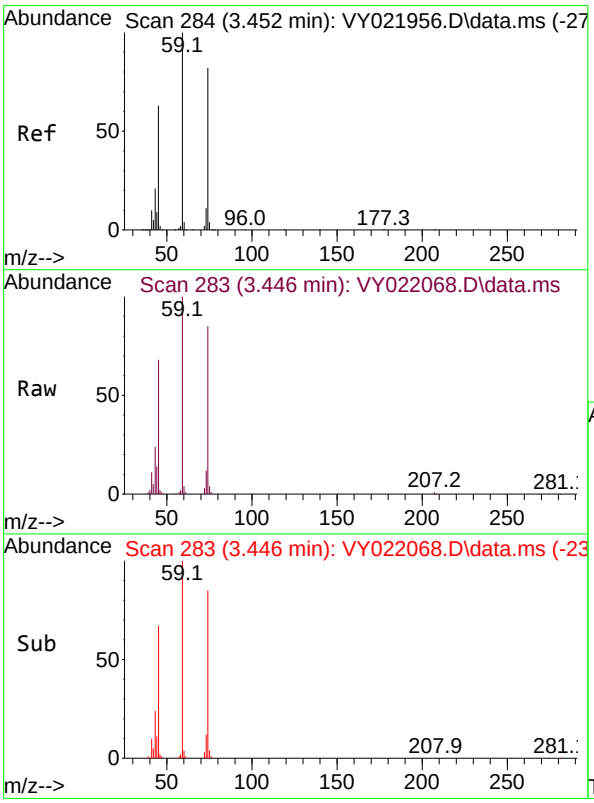
#7
Trichlorofluoromethane
Concen: 49.838 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 263632

Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.6	80.4

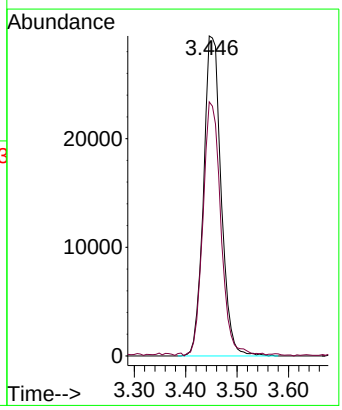


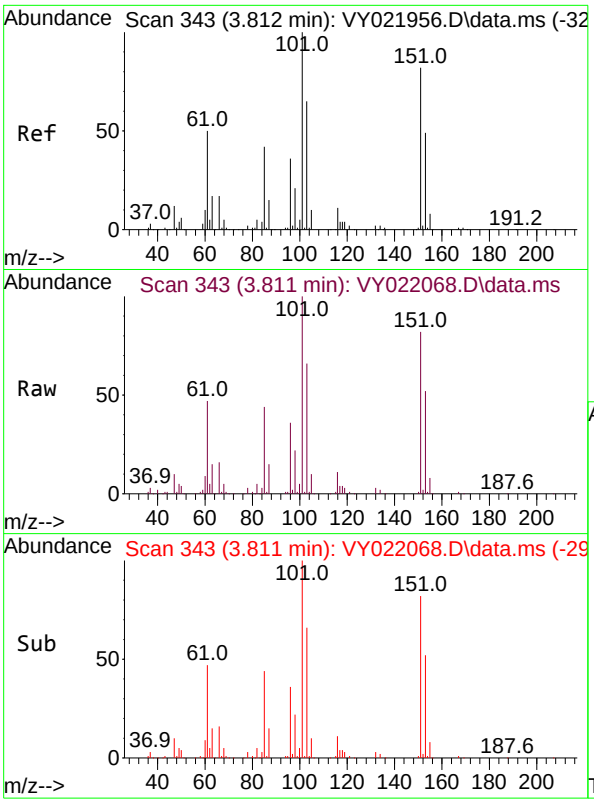


#8
Diethyl Ether
Concen: 50.792 ug/l
RT: 3.446 min Scan# 283
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 74 Resp: 69931

Ion	Ratio	Lower	Upper
74	100		
45	81.4	39.1	117.5



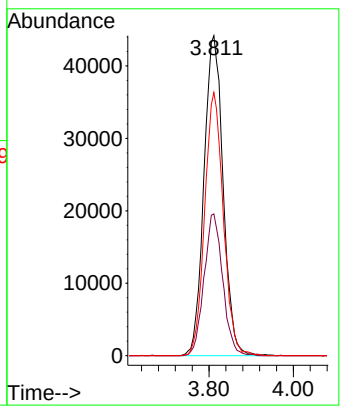


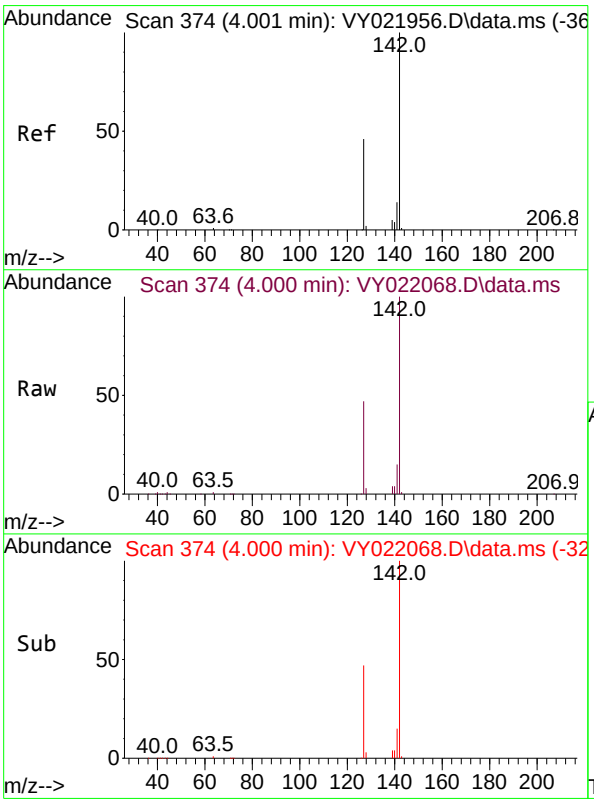
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.556 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 139332

Ion	Ratio	Lower	Upper
101	100		
85	43.2	34.6	51.8
151	80.2	63.7	95.5

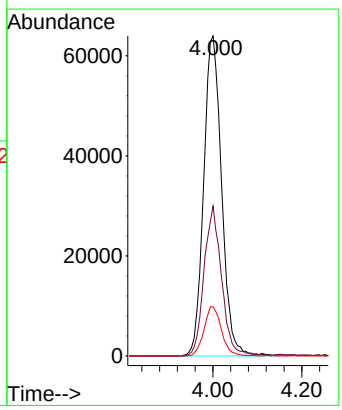


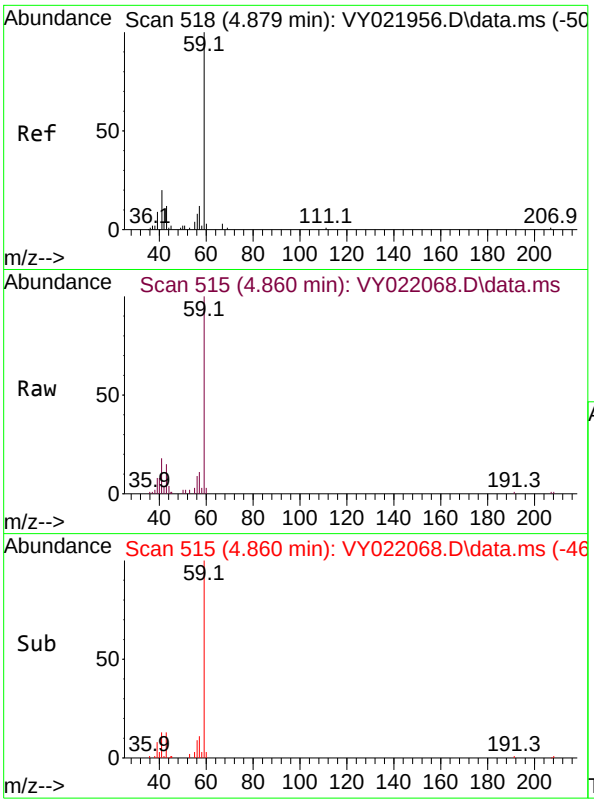


#10
Methyl Iodide
Concen: 54.192 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:142 Resp: 180042

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.2	54.2
141	14.9	11.7	17.5



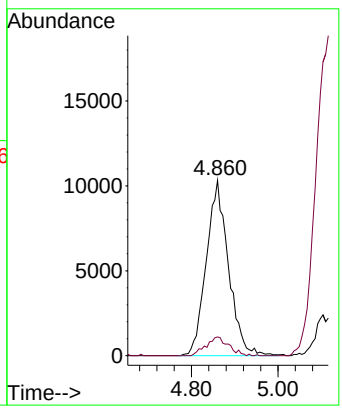


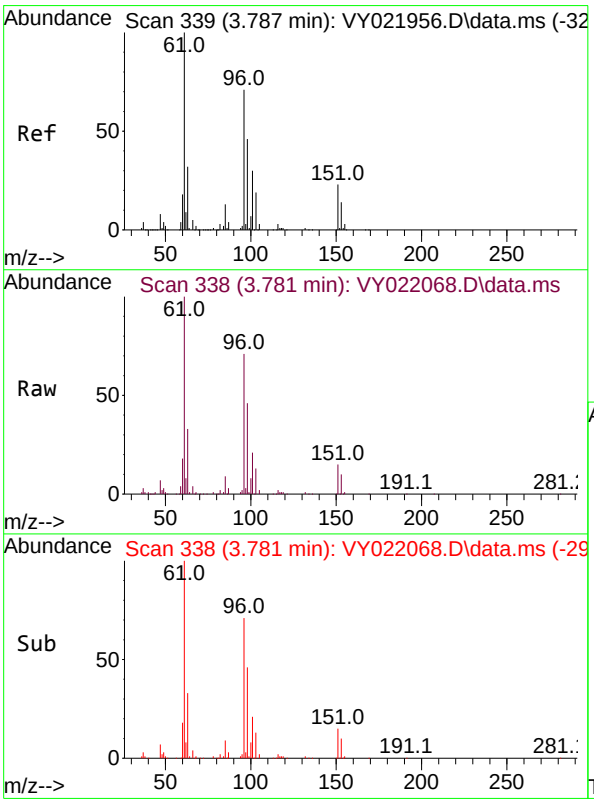
#11
Tert butyl alcohol
Concen: 269.330 ug/l
RT: 4.860 min Scan# 5
Delta R.T. -0.018 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 36746

Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.3	13.9

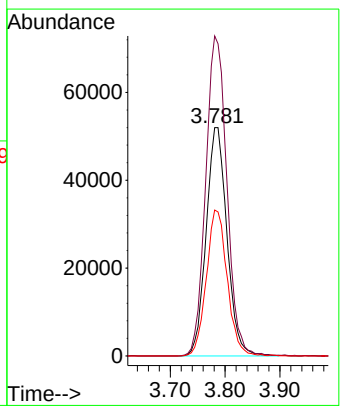


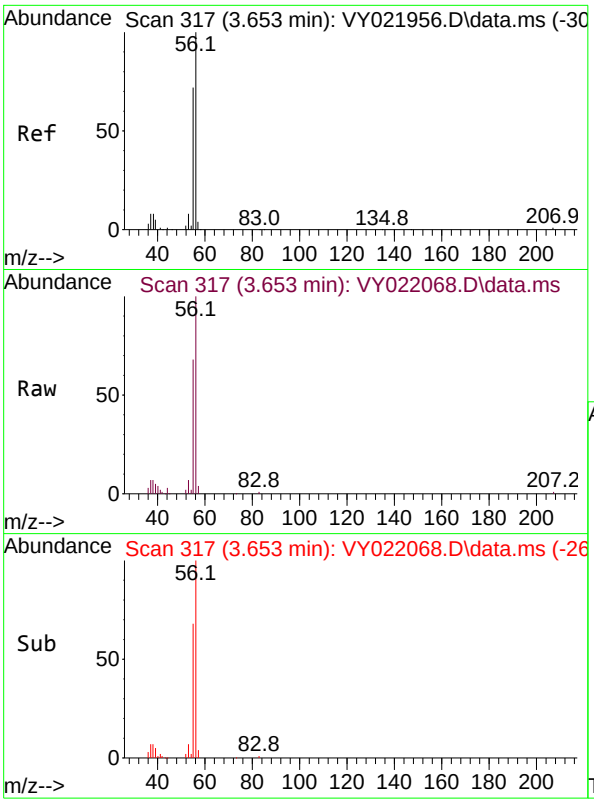


#12
1,1-Dichloroethene
Concen: 51.332 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 96 Resp: 137296

Ion	Ratio	Lower	Upper
96	100		
61	140.1	113.0	169.4
98	63.9	51.4	77.2



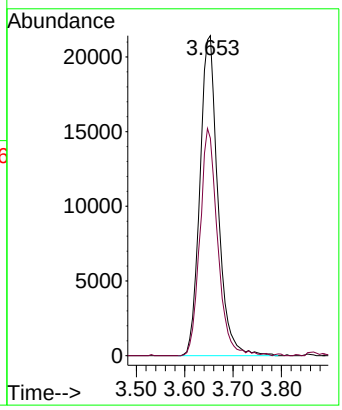


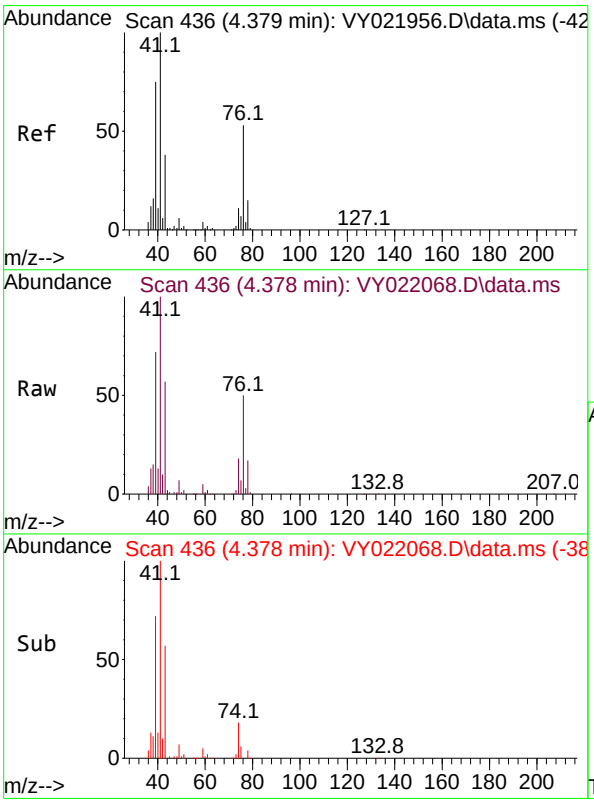
#13
Acrolein
Concen: 226.169 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 55383

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.4	86.0

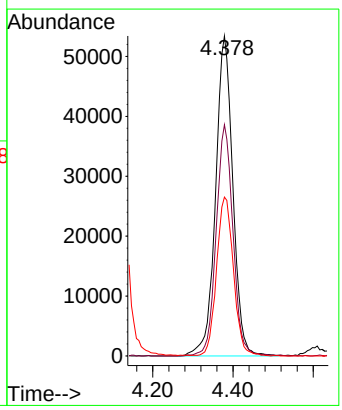


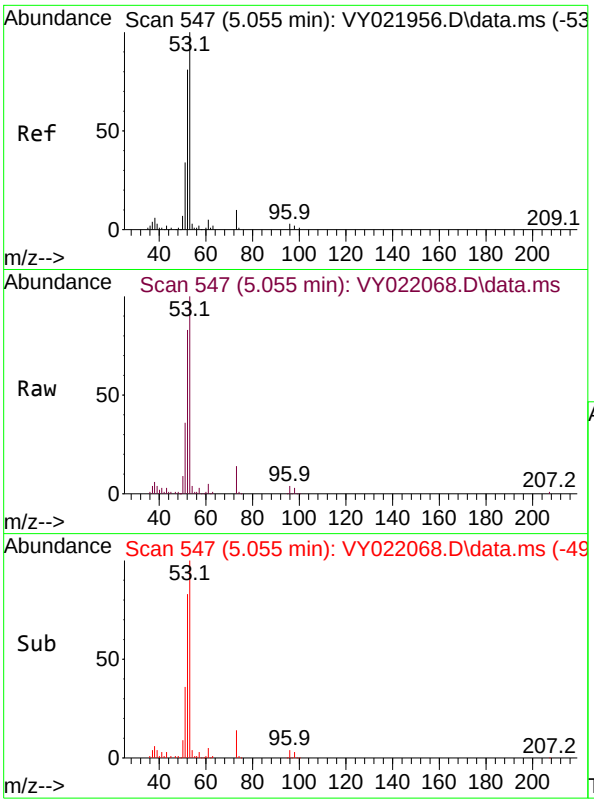


#14
Allyl chloride
Concen: 51.426 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 41 Resp: 160157

Ion	Ratio	Lower	Upper
41	100		
39	70.2	57.2	85.8
76	48.6	39.7	59.5



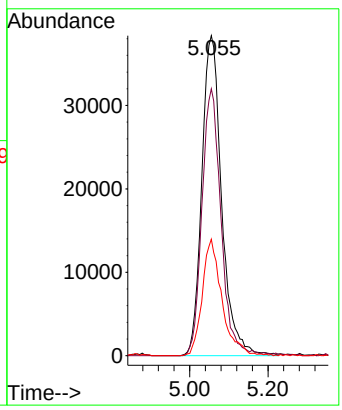


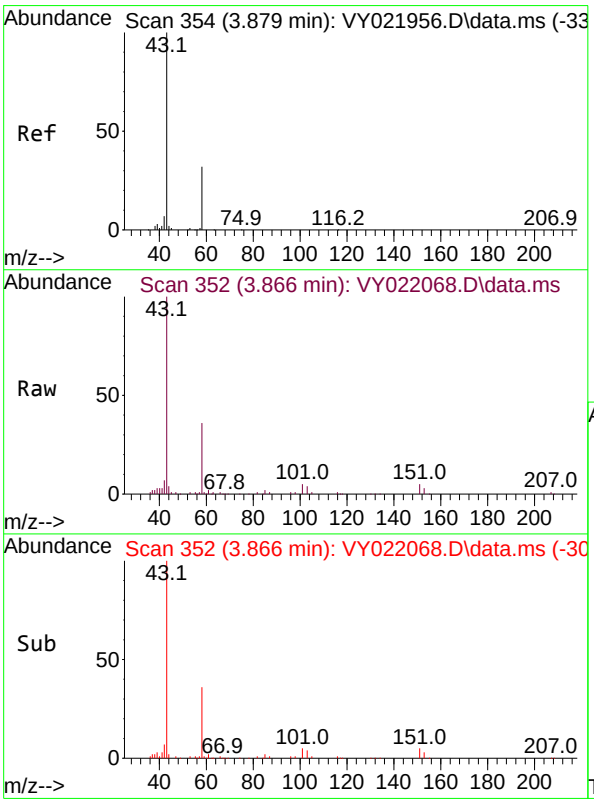
#15
Acrylonitrile
Concen: 267.708 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 134934

Ion	Ratio	Lower	Upper
53	100		
52	79.9	65.0	97.6
51	36.3	28.9	43.3

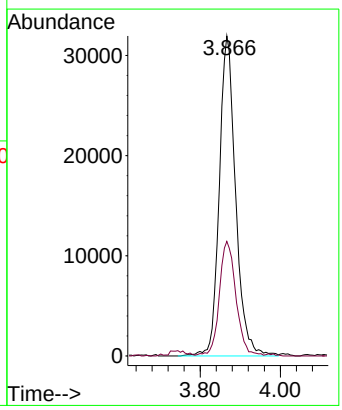


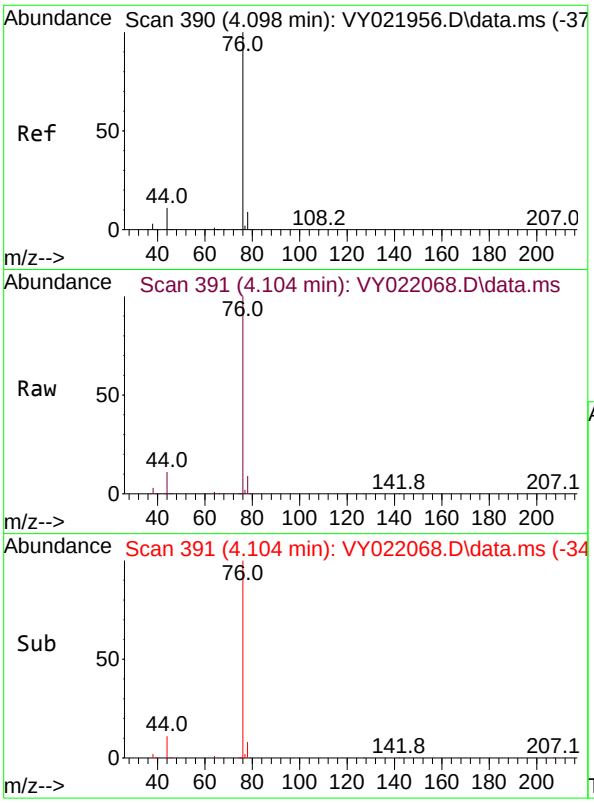


#16
Acetone
Concen: 280.286 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 90333

Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.0	40.4



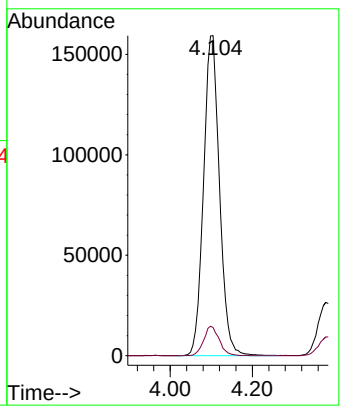


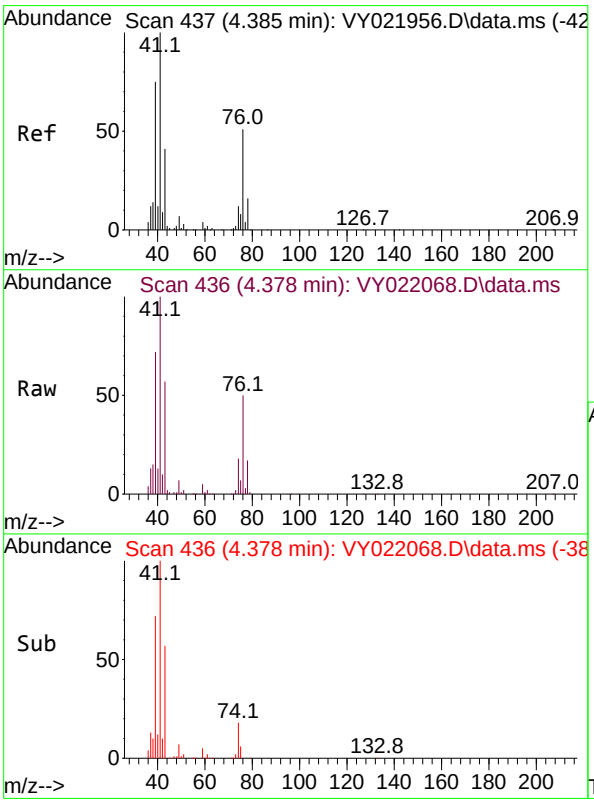
#17
Carbon Disulfide
Concen: 50.348 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 429374

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

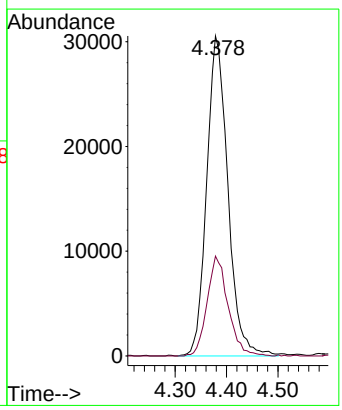


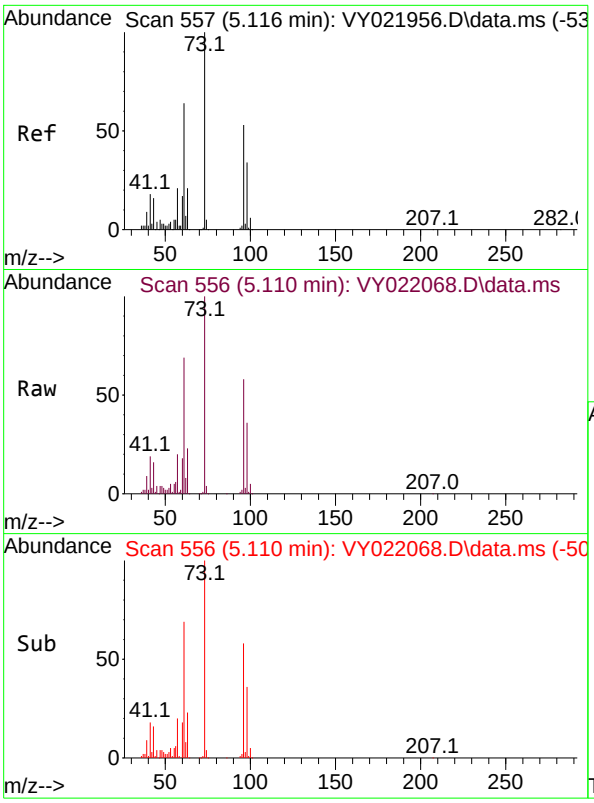


#18
Methyl Acetate
Concen: 75.357 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 87481

Ion	Ratio	Lower	Upper
43	100		
74	30.8	24.2	36.4



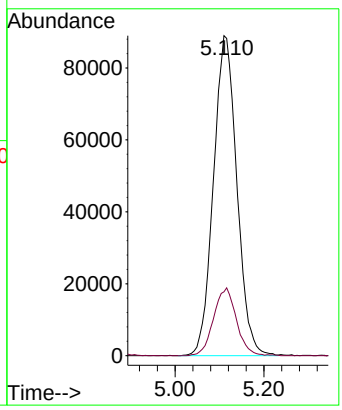


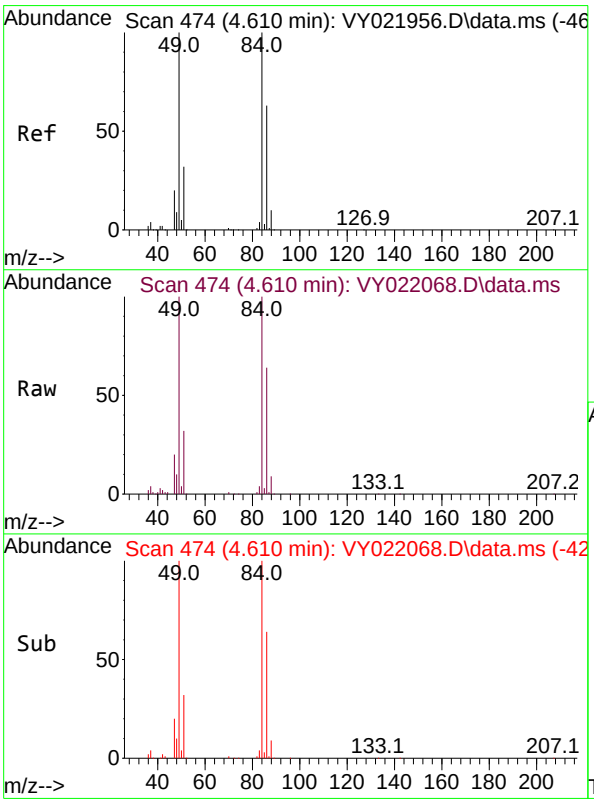
#19
Methyl tert-butyl Ether
Concen: 54.295 ug/l
RT: 5.110 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 325033

Ion	Ratio	Lower	Upper
73	100		
57	20.0	16.9	25.3

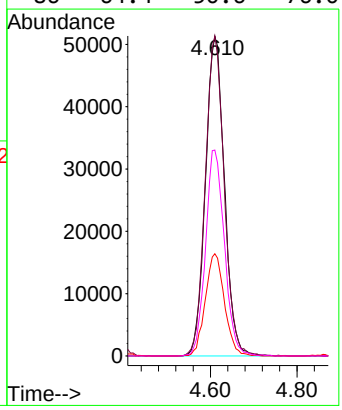


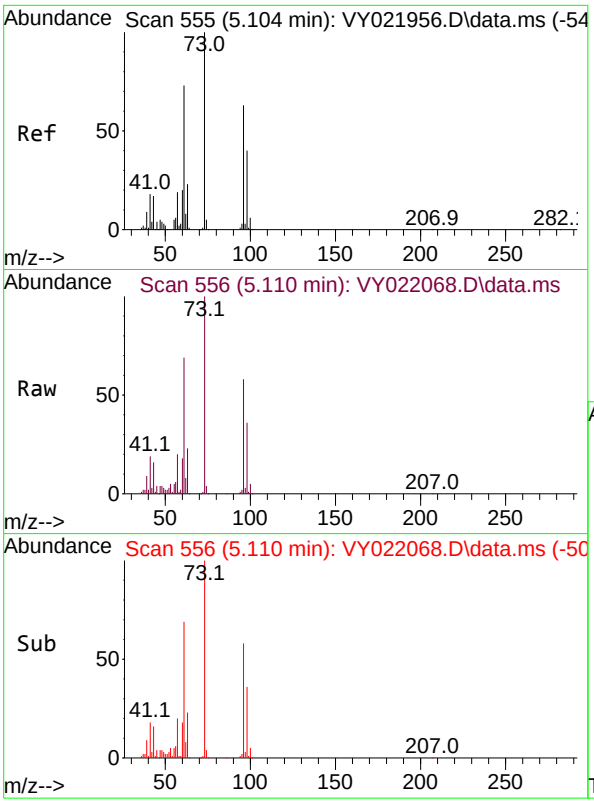


#20
Methylene Chloride
Concen: 49.589 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 84 Resp: 155832

Ion	Ratio	Lower	Upper
84	100		
49	100.1	79.9	119.9
51	32.0	25.4	38.0
86	64.4	50.6	76.0



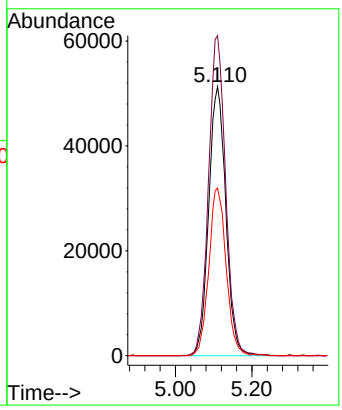


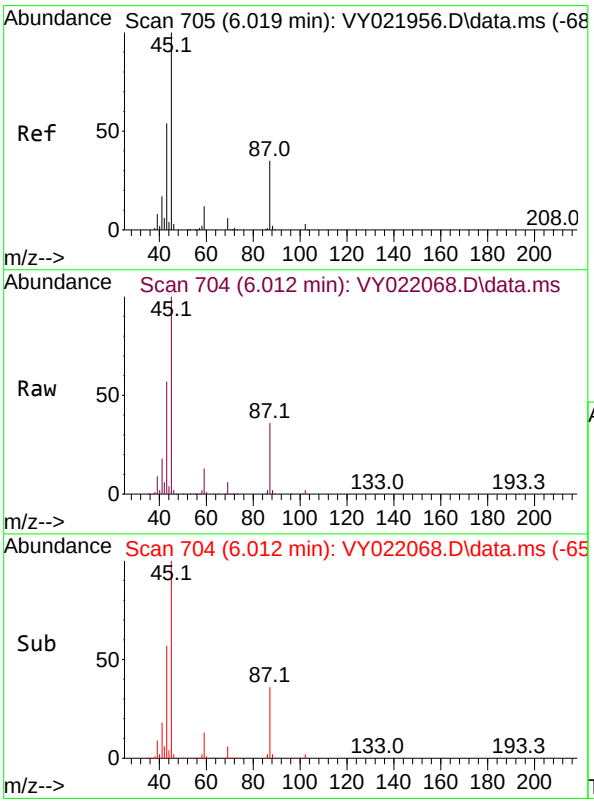
#21
trans-1,2-Dichloroethene
Concen: 53.273 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 159575

Ion	Ratio	Lower	Upper
96	100		
61	118.9	92.6	138.8
98	62.3	50.2	75.4

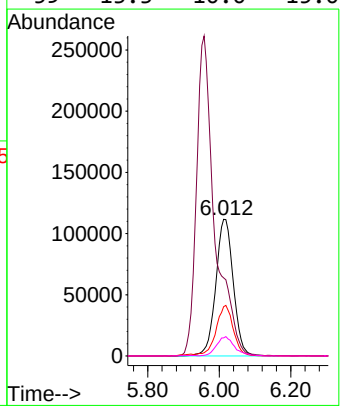


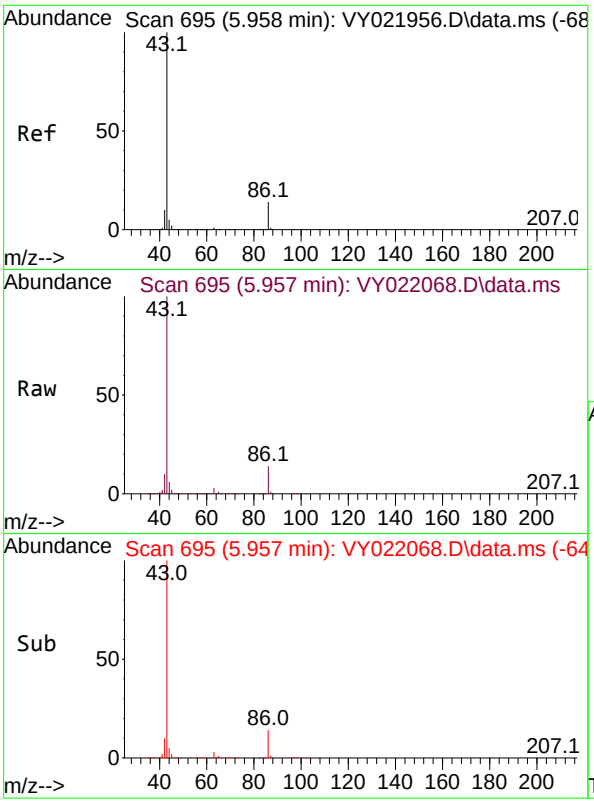


#22
Diisopropyl ether
Concen: 54.768 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 45 Resp: 379582

Ion	Ratio	Lower	Upper
45	100		
43	57.0	43.6	65.4
87	36.1	28.2	42.4
59	13.3	10.0	15.0



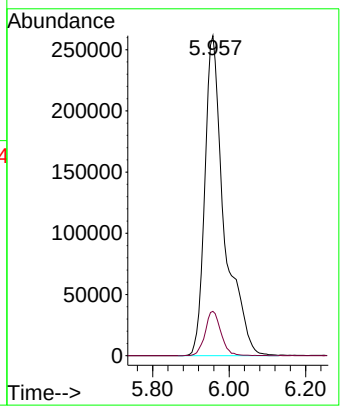


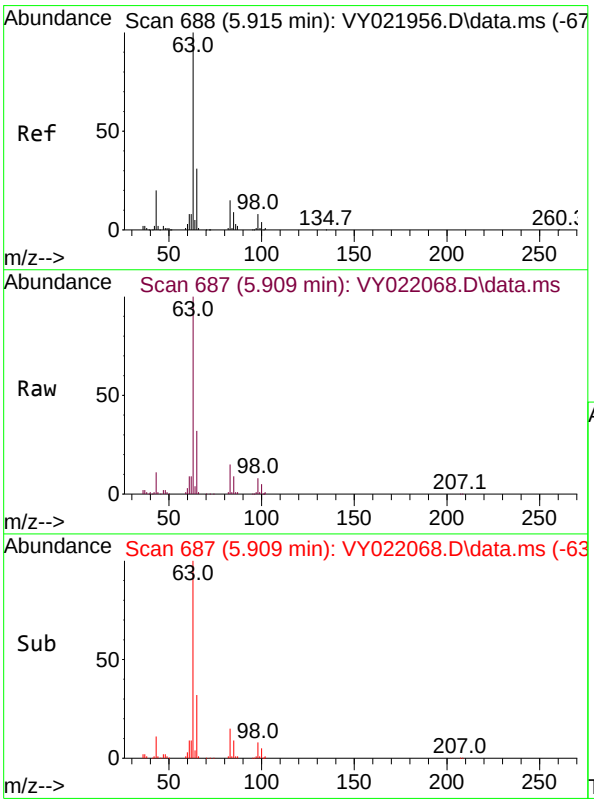
#23
Vinyl Acetate
Concen: 247.385 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 924022

Ion	Ratio	Lower	Upper
43	100		
86	13.9	11.1	16.7

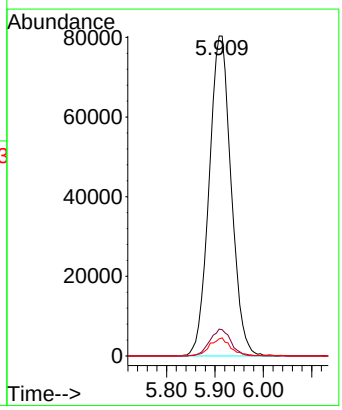


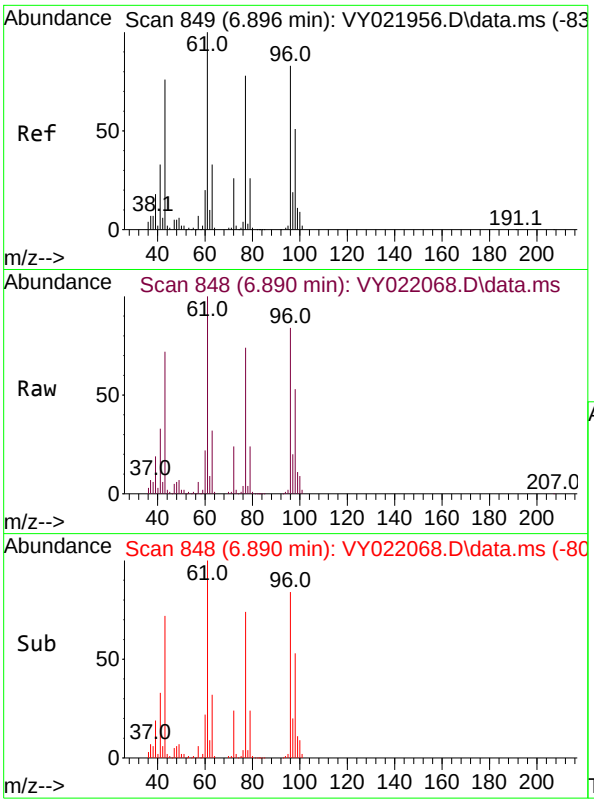


#24
1,1-Dichloroethane
Concen: 53.026 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 63 Resp: 254741

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	11.9
100	5.3	2.0	6.0



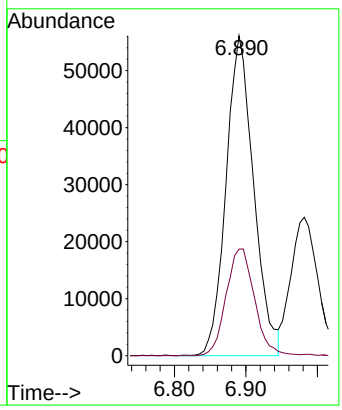


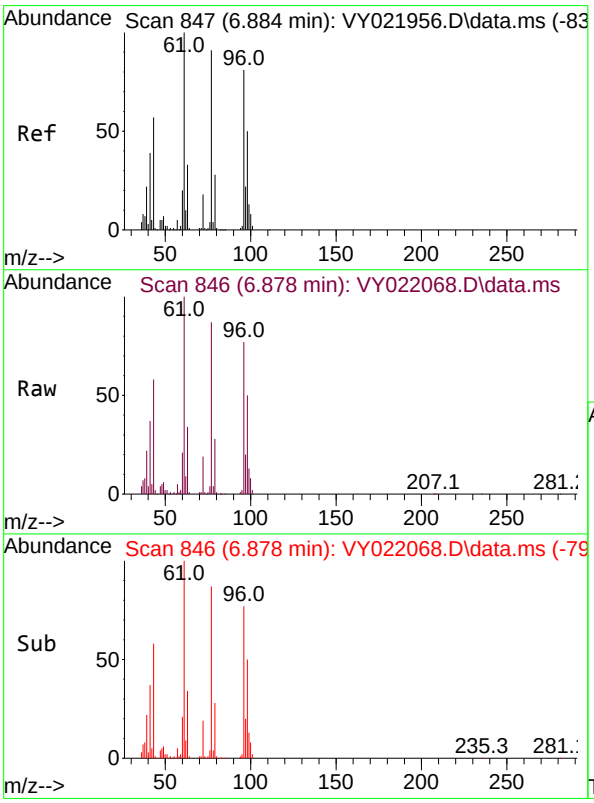
#25
2-Butanone
Concen: 265.784 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 150563

Ion	Ratio	Lower	Upper
43	100		
72	33.3	27.0	40.4

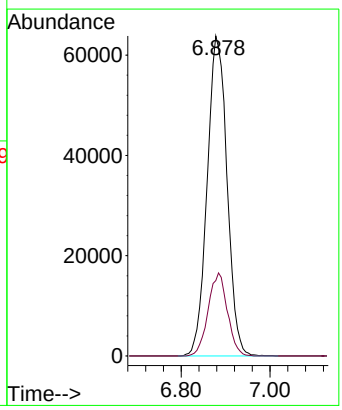


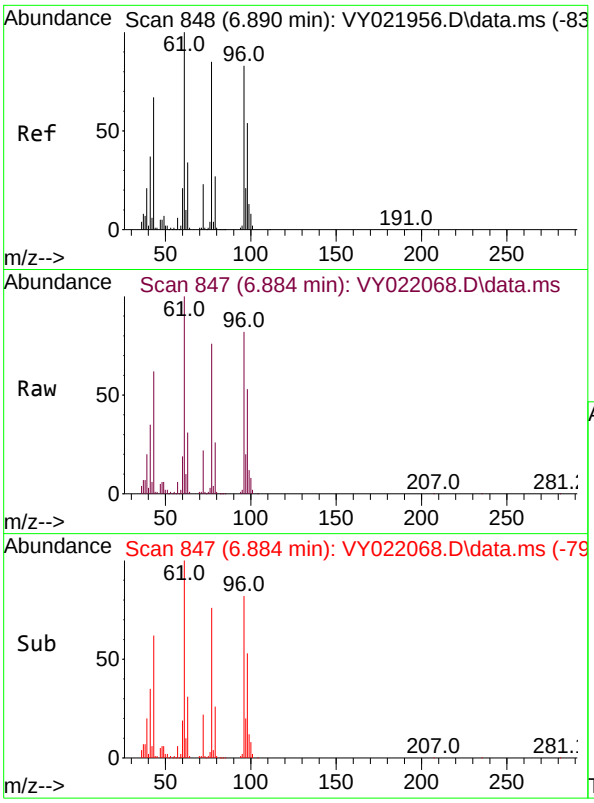


#26
2,2-Dichloropropane
Concen: 47.023 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 77 Resp: 197993

Ion	Ratio	Lower	Upper
77	100		
97	25.1	12.4	37.4



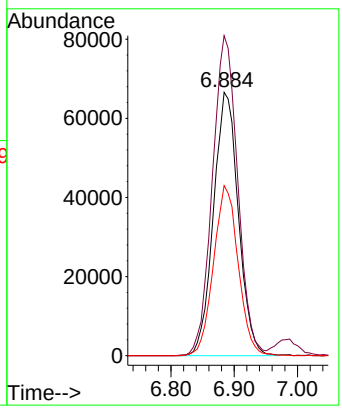


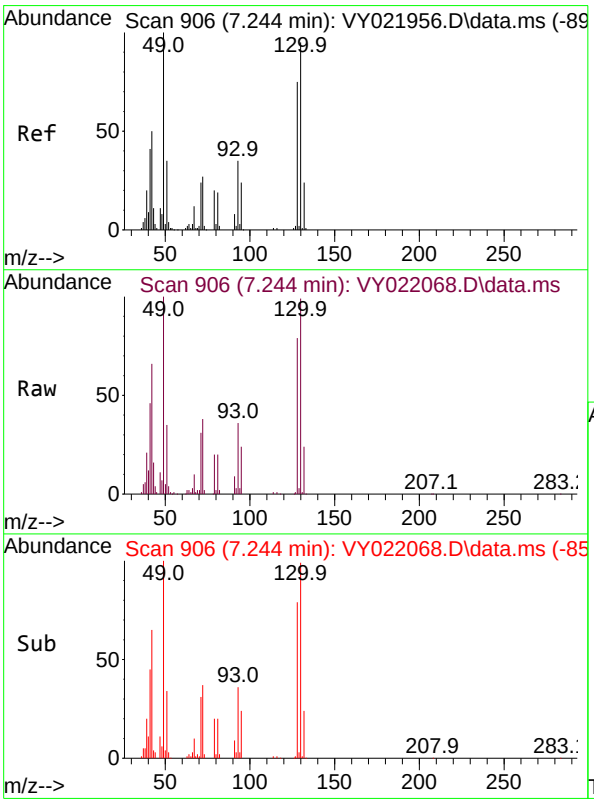
#27
cis-1,2-Dichloroethene
Concen: 54.341 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 182008

Ion	Ratio	Lower	Upper
96	100		
61	123.4	0.0	251.4
98	64.0	0.0	128.4

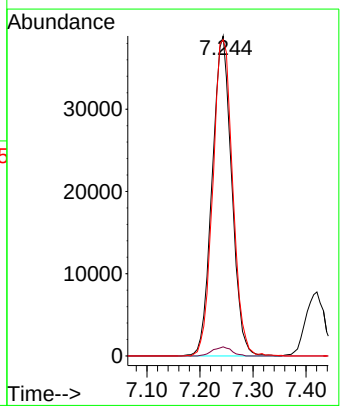


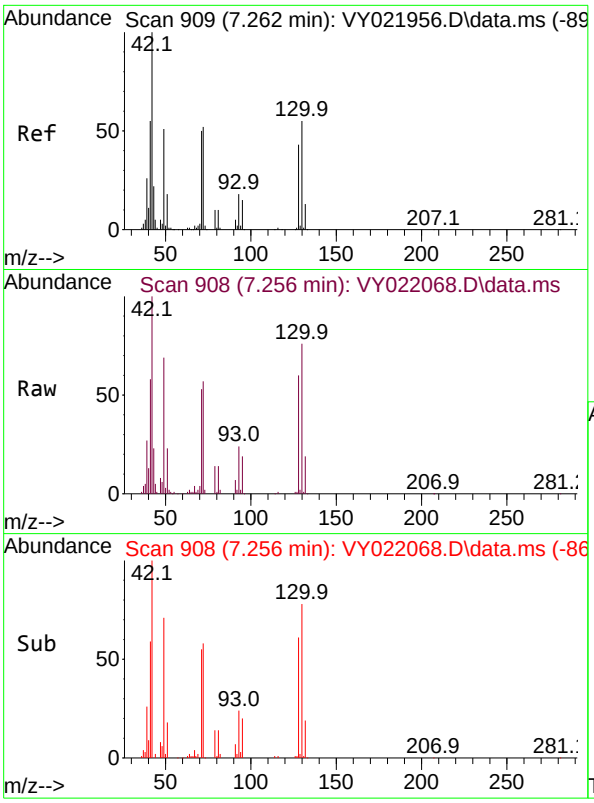


#28
Bromochloromethane
Concen: 53.320 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 49 Resp: 99494

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	100.6	78.2	117.4



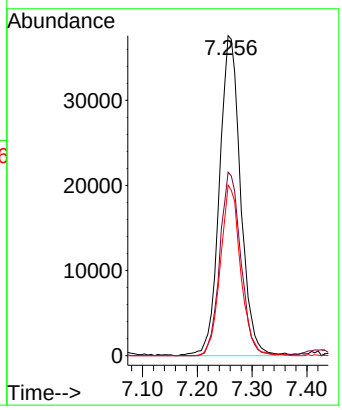


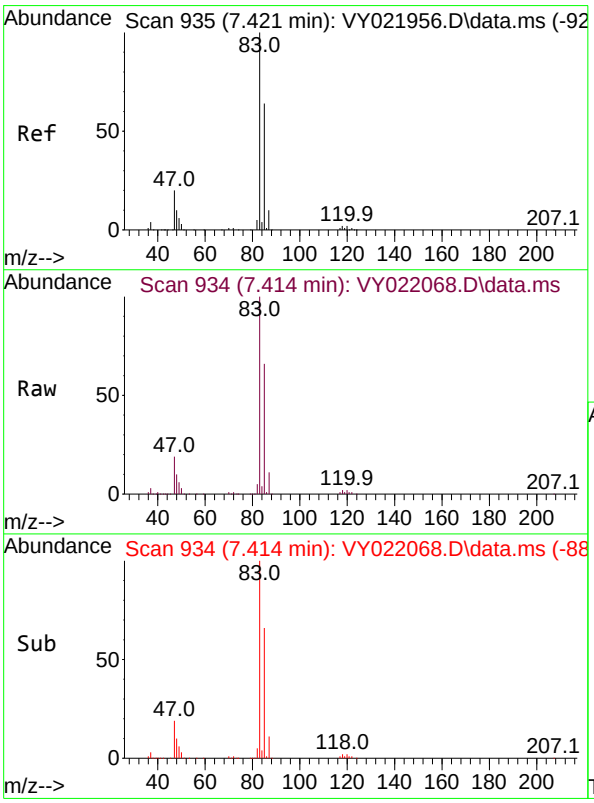
#29
Tetrahydrofuran
Concen: 274.027 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 100821

Ion	Ratio	Lower	Upper
42	100		
72	56.6	42.6	63.8
71	51.2	40.6	61.0

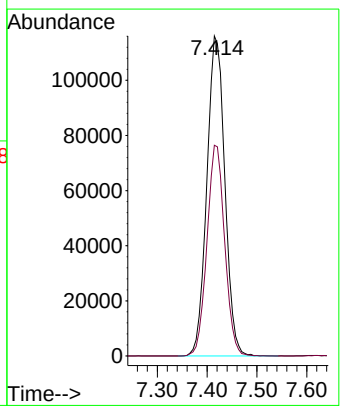


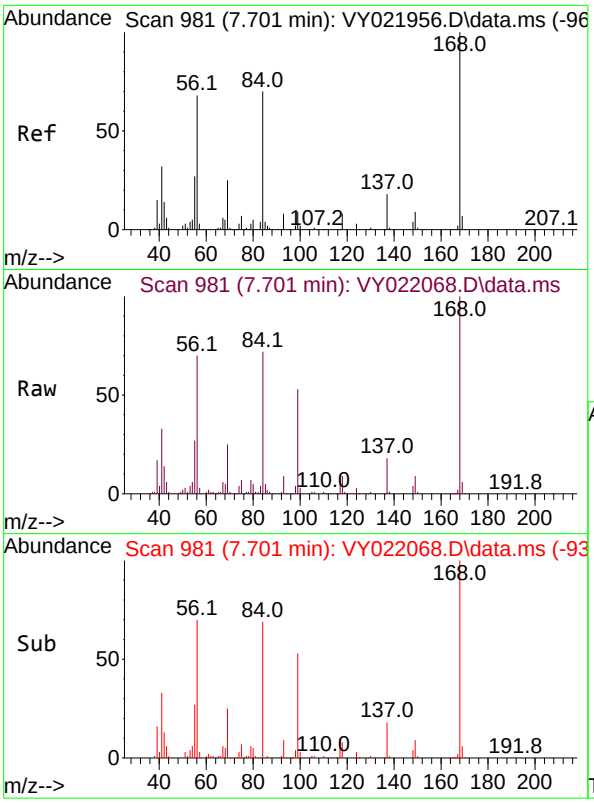


#30
Chloroform
Concen: 54.594 ug/l
RT: 7.414 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 83 Resp: 290919

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9



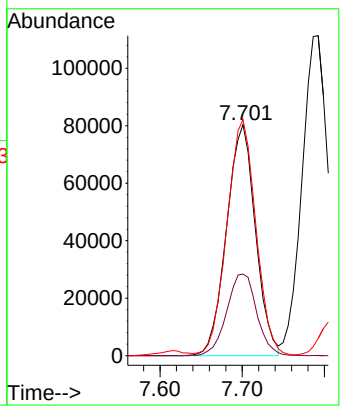


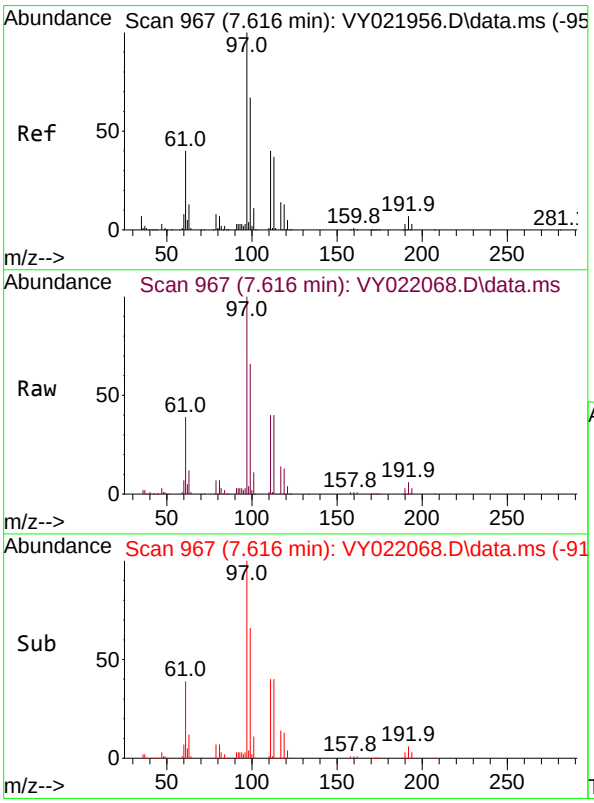
#31
Cyclohexane
Concen: 47.840 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 196536

Ion	Ratio	Lower	Upper
56	100		
69	35.3	29.4	44.2
84	100.3	82.2	123.4

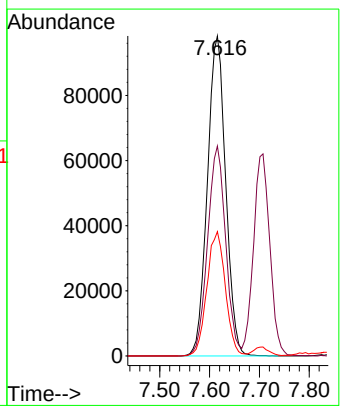


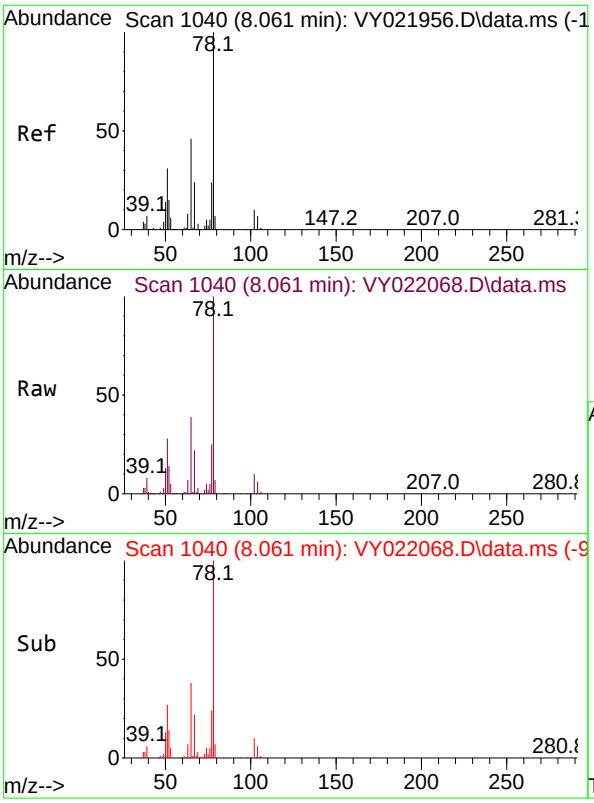


#32
1,1,1-Trichloroethane
Concen: 51.916 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 97 Resp: 250288

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	39.3	31.4	47.2



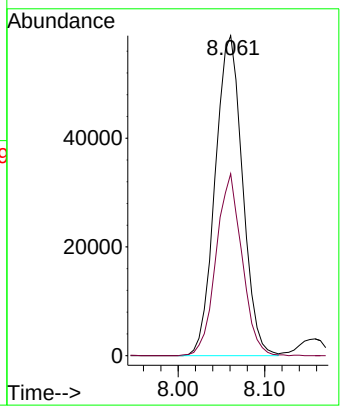


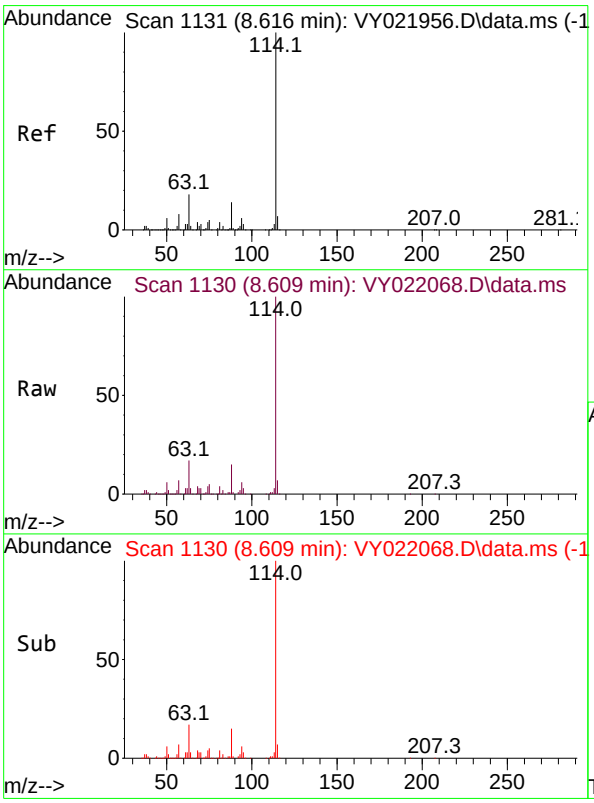
#33
1,2-Dichloroethane-d4
Concen: 51.995 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 129218

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.8

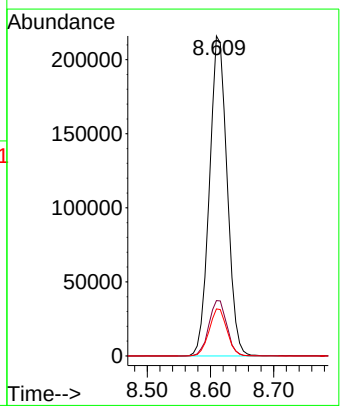


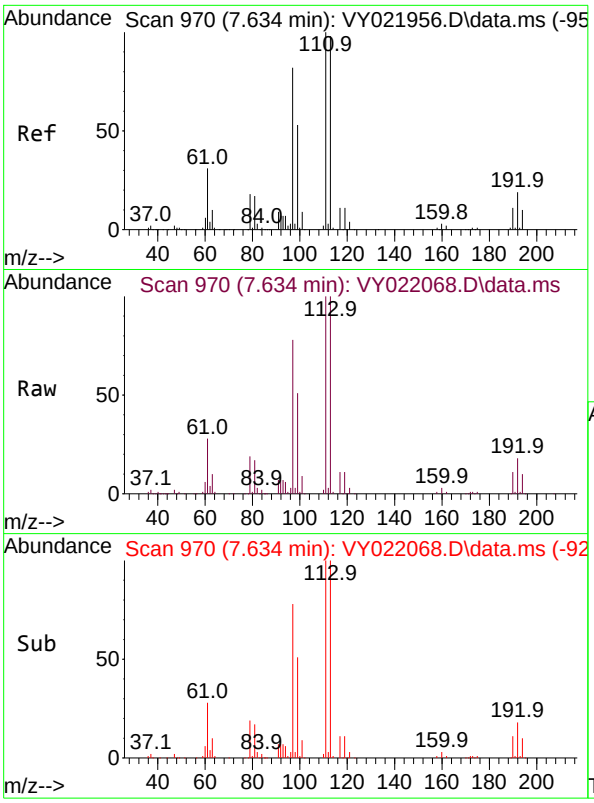


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:114 Resp: 418891

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	35.4
88	14.7	0.0	28.2



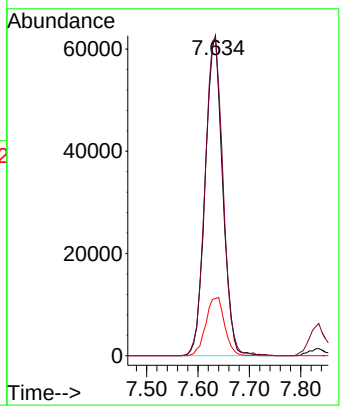


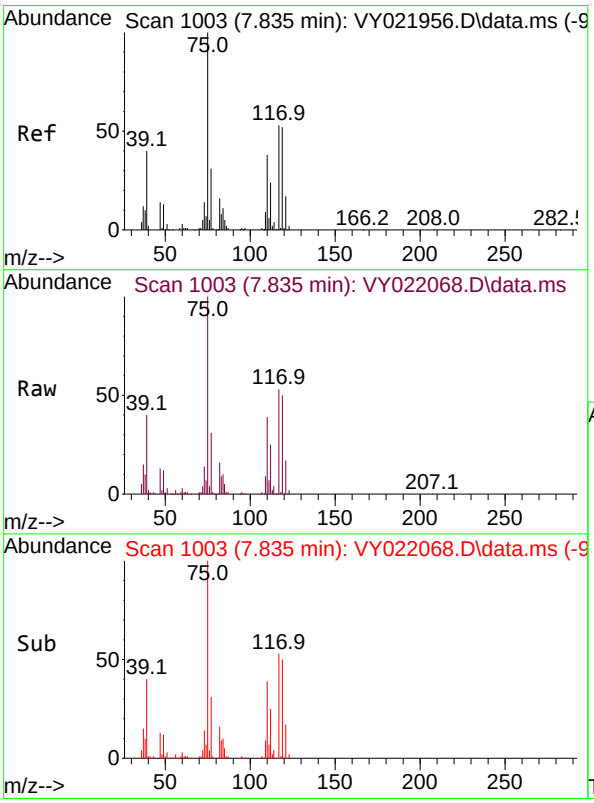
#35
Dibromofluoromethane
Concen: 53.246 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 147355

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.8
192	19.6	15.6	23.4

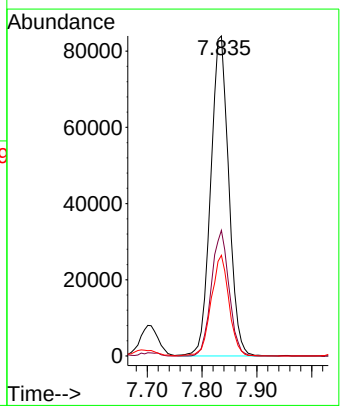


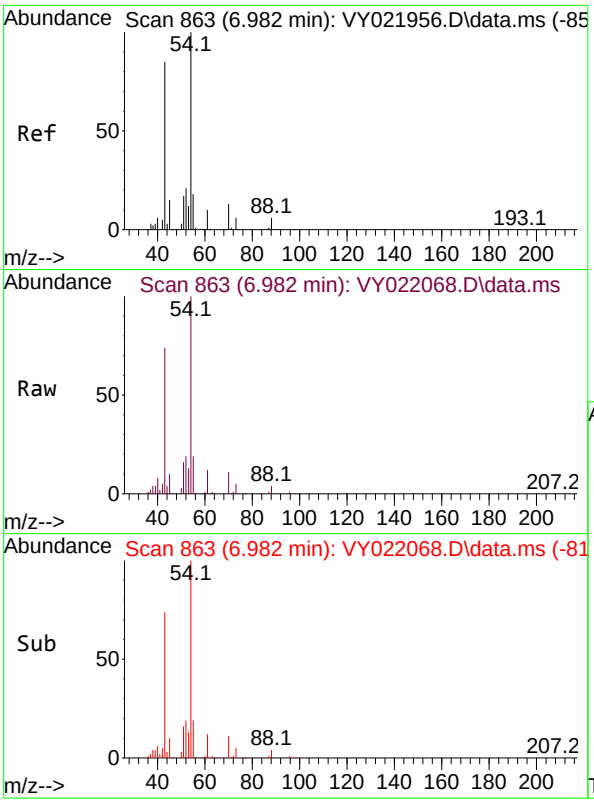


#36
1,1-Dichloropropene
Concen: 51.671 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 192081

Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.3
77	31.0	25.5	38.3



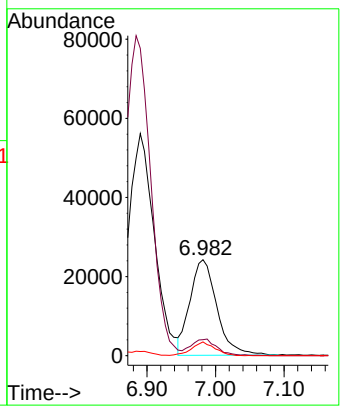


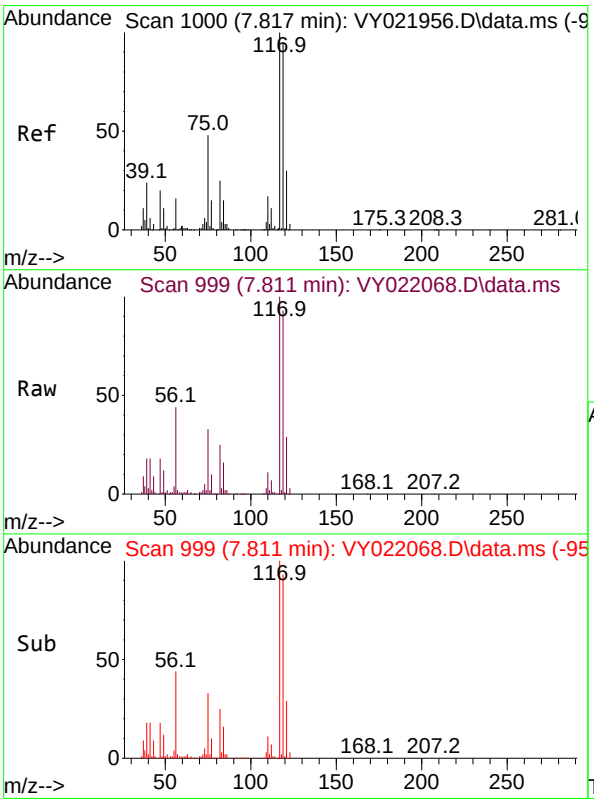
#37
Ethyl Acetate
Concen: 49.331 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 65862

Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.8	20.6
70	12.4	9.2	13.8

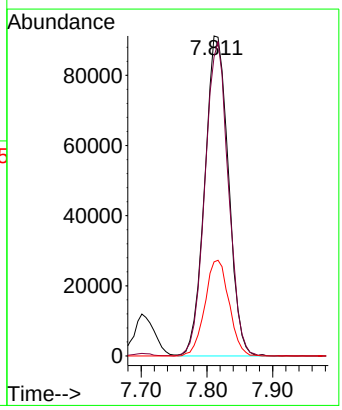


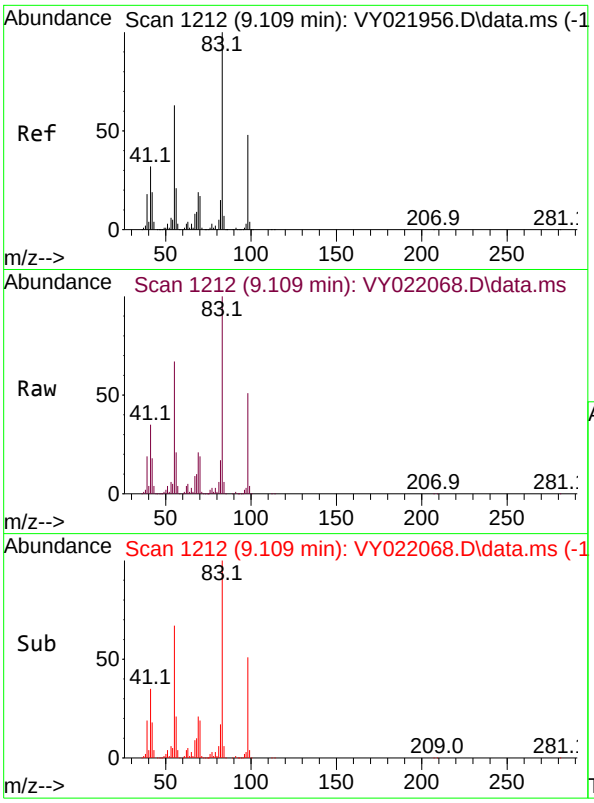


#38
Carbon Tetrachloride
Concen: 51.548 ug/l
RT: 7.811 min Scan# 999
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:117 Resp: 228976

Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.2	114.4
121	29.4	24.0	36.0



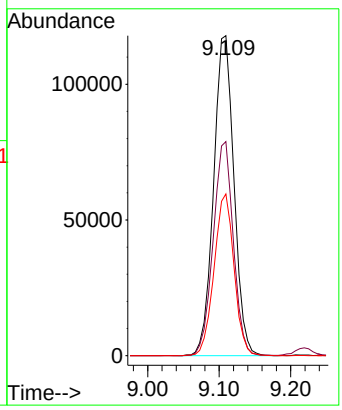


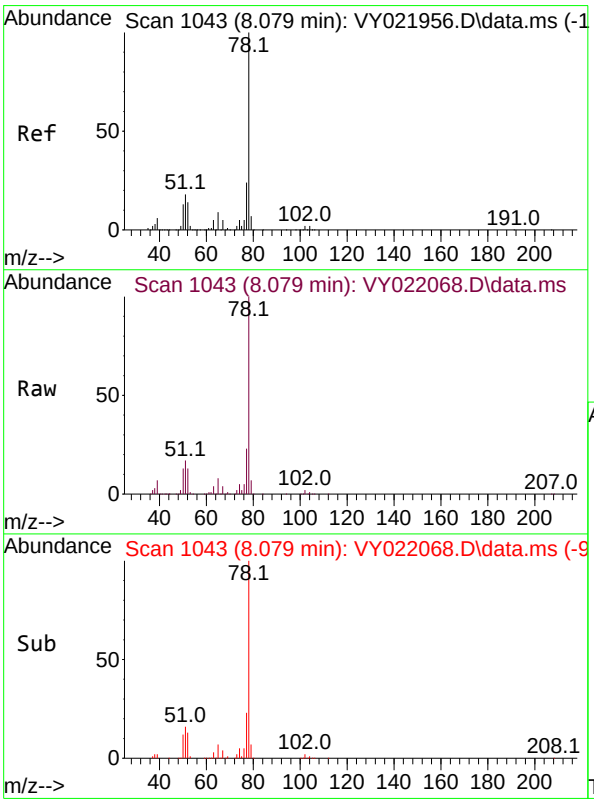
#39
Methylcyclohexane
Concen: 49.780 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 232877

Ion	Ratio	Lower	Upper
83	100		
55	66.9	50.6	75.8
98	50.6	38.6	58.0

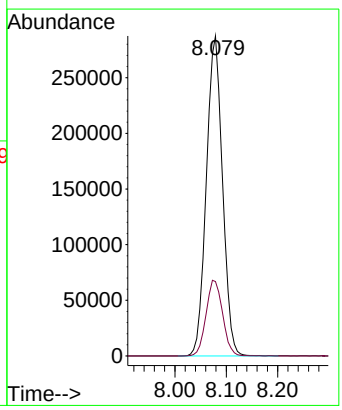


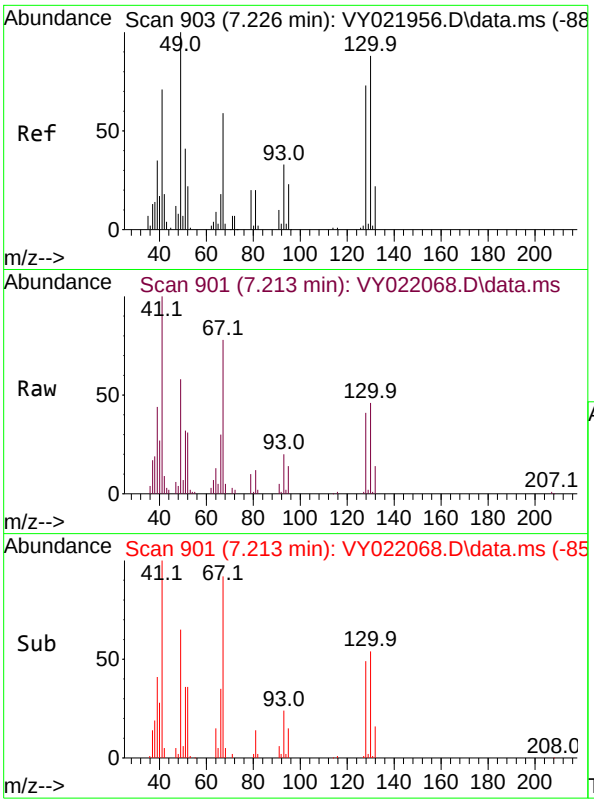


#40
Benzene
Concen: 53.938 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 78 Resp: 626786

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9



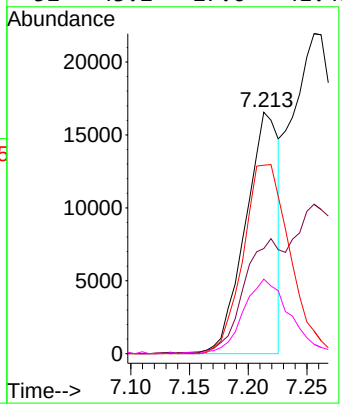


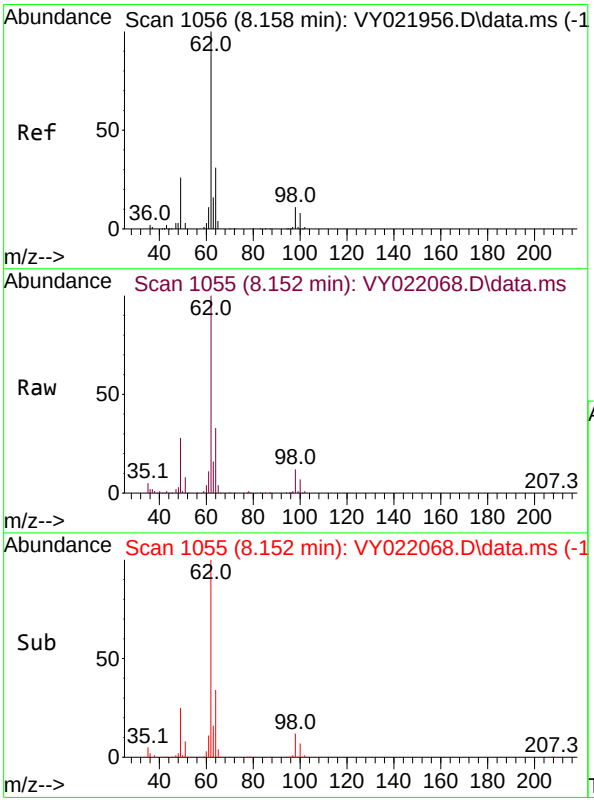
#41
Methacrylonitrile
Concen: 44.758 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 32666

Ion	Ratio	Lower	Upper
41	100		
39	58.1	36.6	55.0#
67	109.4	72.2	108.4#
52	43.2	27.6	41.4#

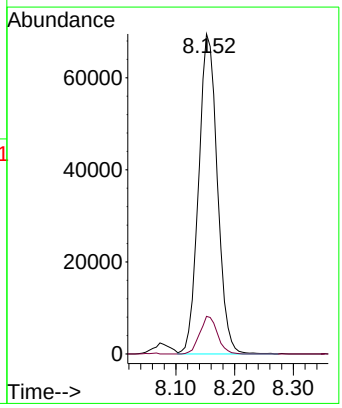


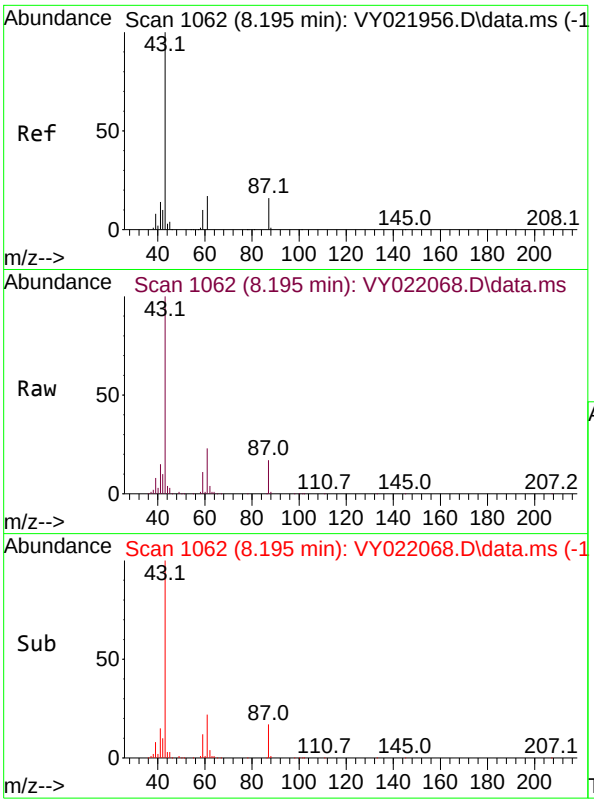


#42
1,2-Dichloroethane
Concen: 53.601 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 62 Resp: 154213

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0



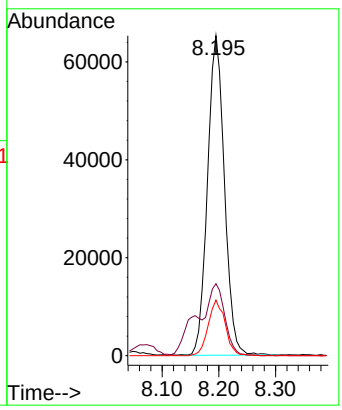


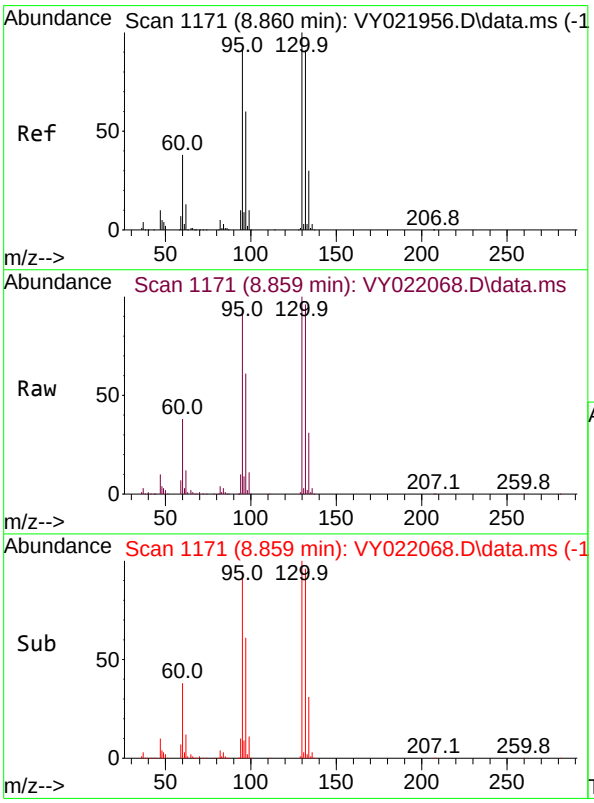
#43
Isopropyl Acetate
Concen: 52.869 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 135555

Ion	Ratio	Lower	Upper
43	100		
61	22.9	18.9	28.3
87	17.5	13.7	20.5

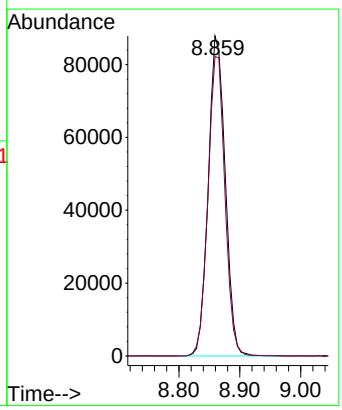


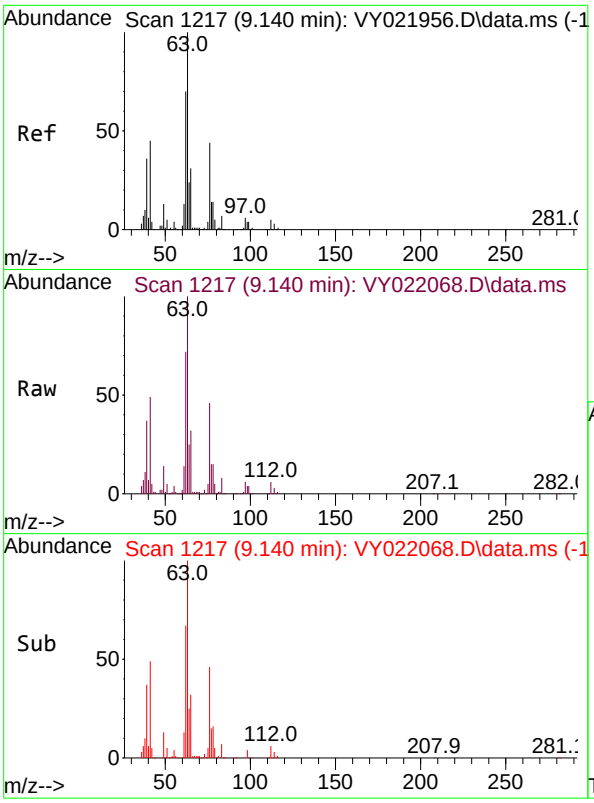


#44
Trichloroethene
Concen: 52.758 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:130 Resp: 169810

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	183.2



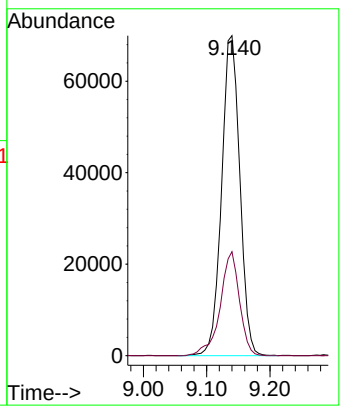


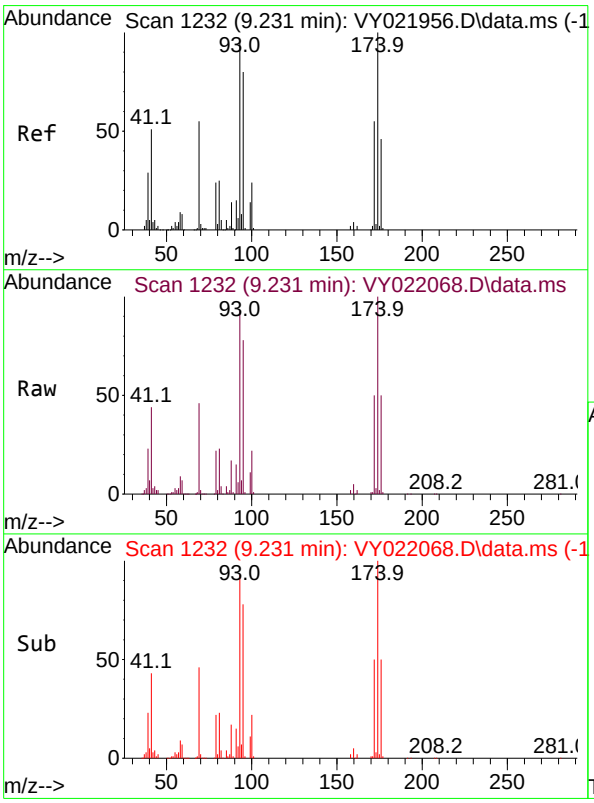
#45
1,2-Dichloropropane
Concen: 54.340 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 139643

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.2	37.8

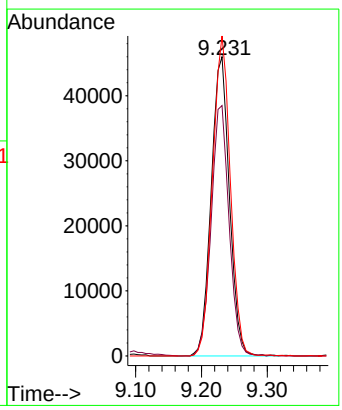


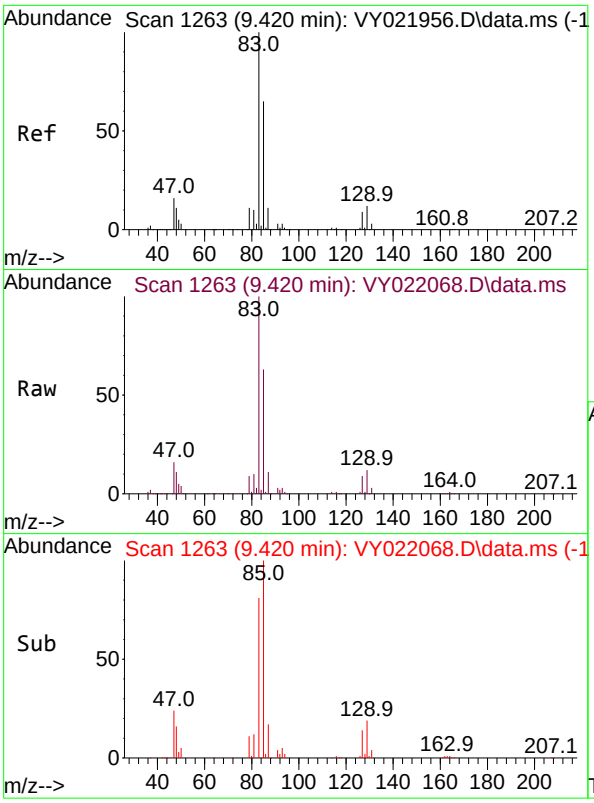


#46
Dibromomethane
Concen: 55.126 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 93 Resp: 88680

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.7	100.1
174	105.0	84.6	127.0



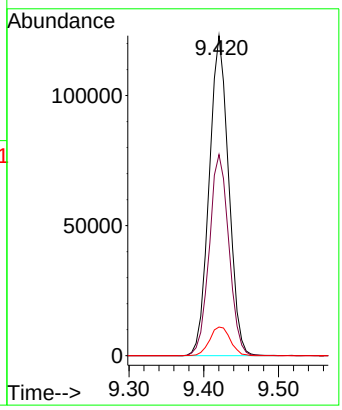


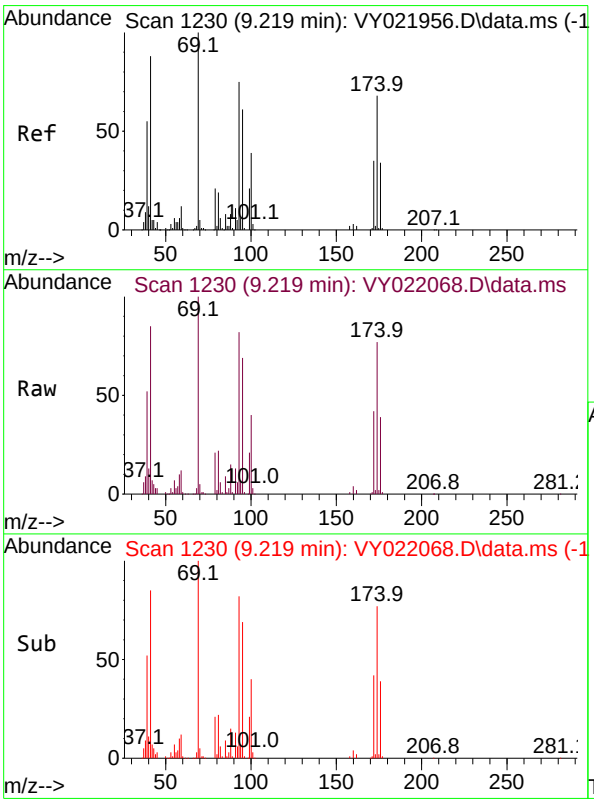
#47
Bromodichloromethane
Concen: 55.392 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 222605

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.8
127	9.0	7.0	10.6

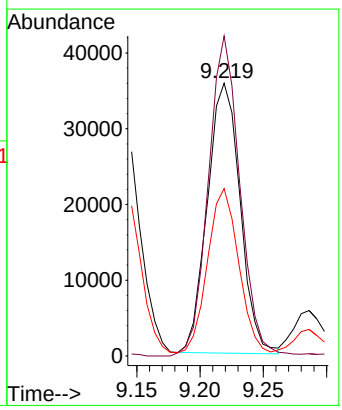


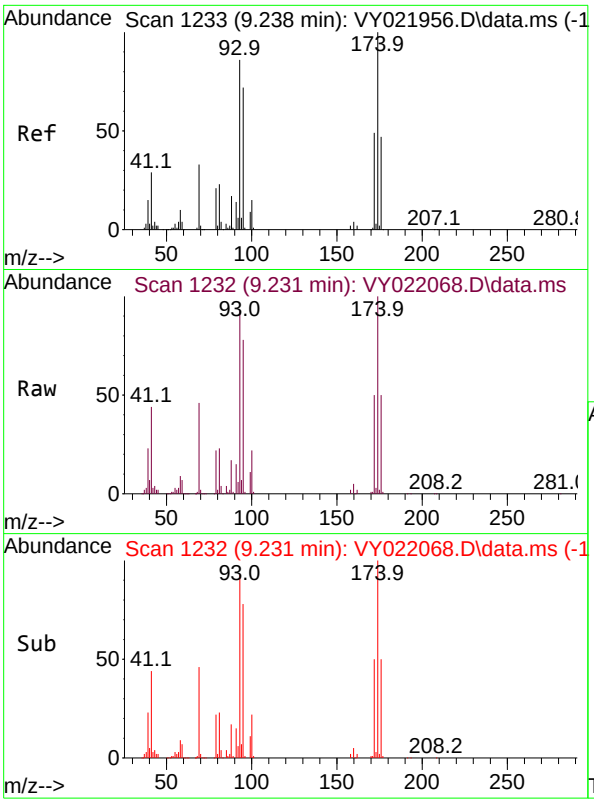


#48
Methyl methacrylate
Concen: 54.252 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 41 Resp: 64303

Ion	Ratio	Lower	Upper
41	100		
69	114.0	85.5	128.3
39	57.6	46.2	69.4



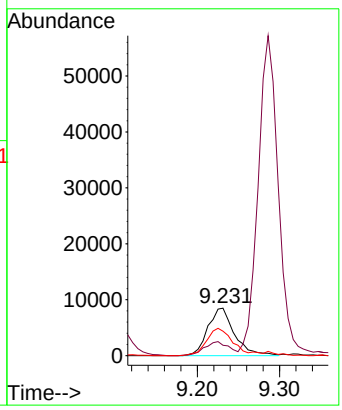


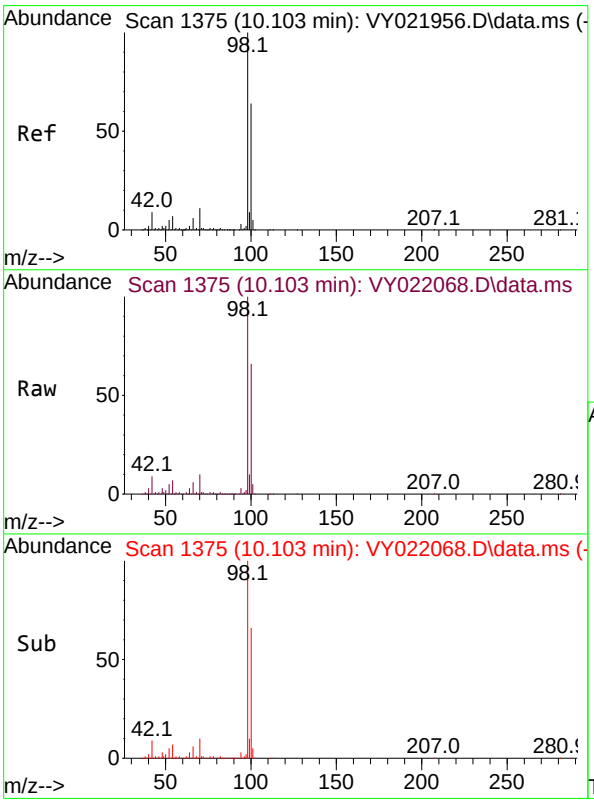
#49
1,4-Dioxane
Concen: 1115.262 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 19122

Ion	Ratio	Lower	Upper
88	100		
43	27.7	21.3	31.9
58	58.3	50.5	75.7

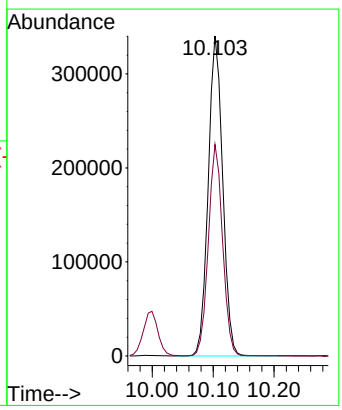


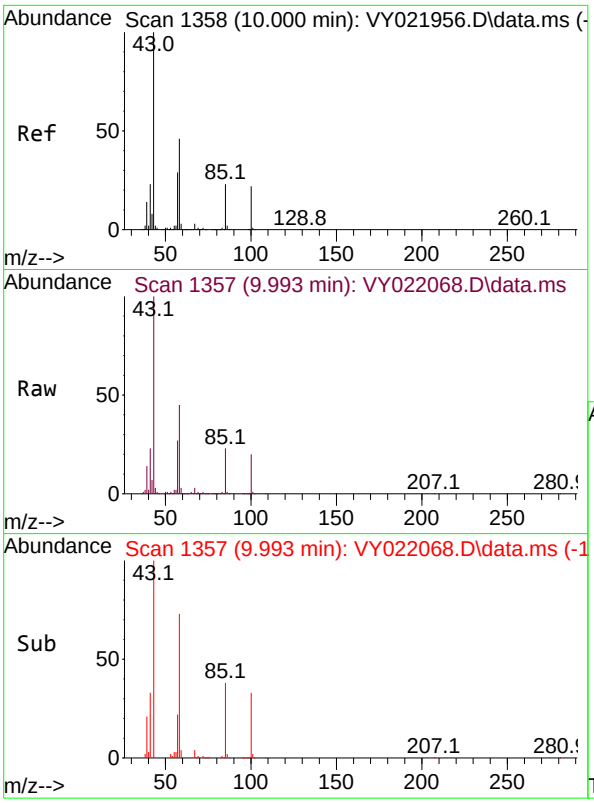


#50
Toluene-d8
Concen: 53.676 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 98 Resp: 560009

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.6	77.4



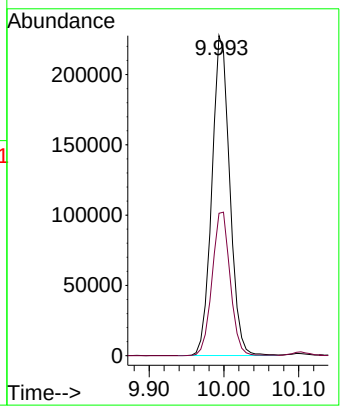


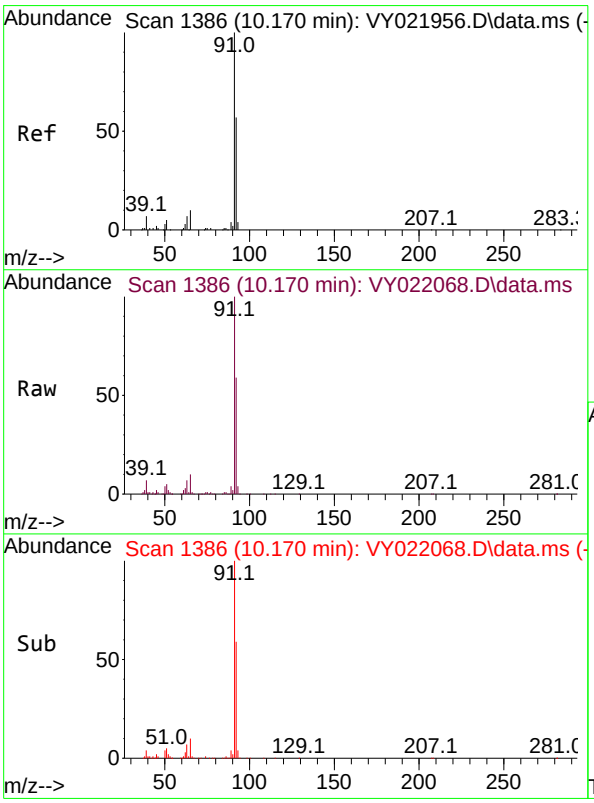
#51
4-Methyl-2-Pentanone
Concen: 281.640 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 378540

Ion	Ratio	Lower	Upper
43	100		
58	45.5	36.6	55.0

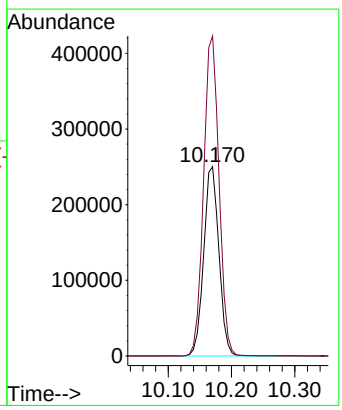


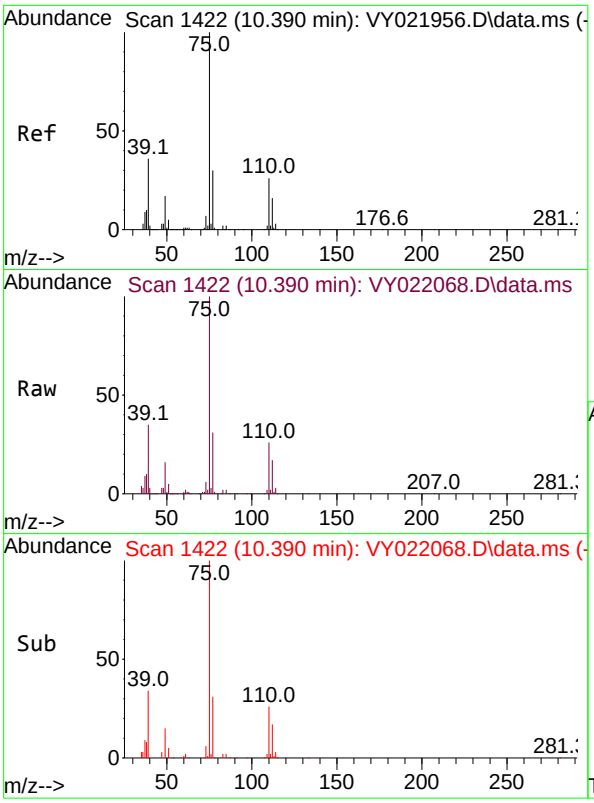


#52
Toluene
Concen: 55.661 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 92 Resp: 418680

Ion	Ratio	Lower	Upper
92	100		
91	171.1	138.6	207.8



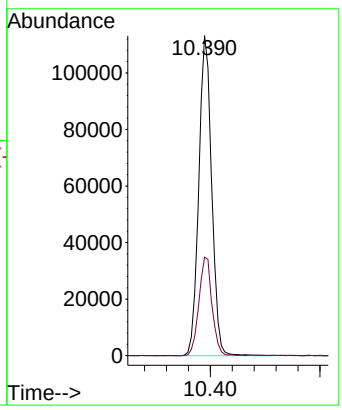


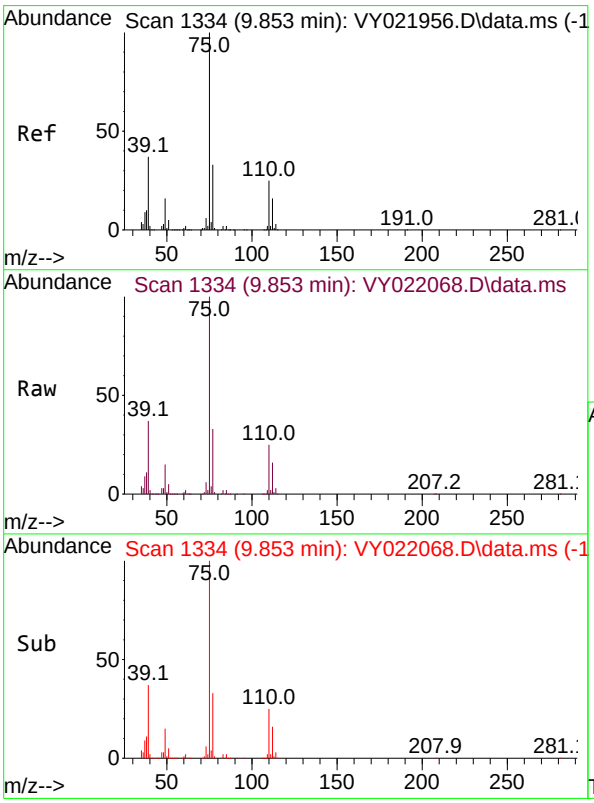
#53
t-1,3-Dichloropropene
Concen: 53.573 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 184667

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.0	36.0

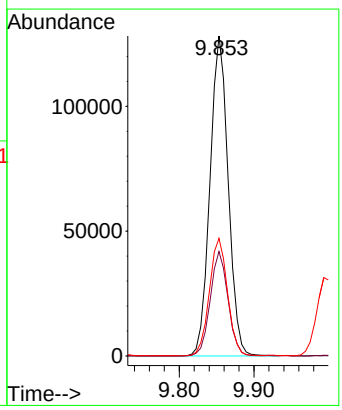


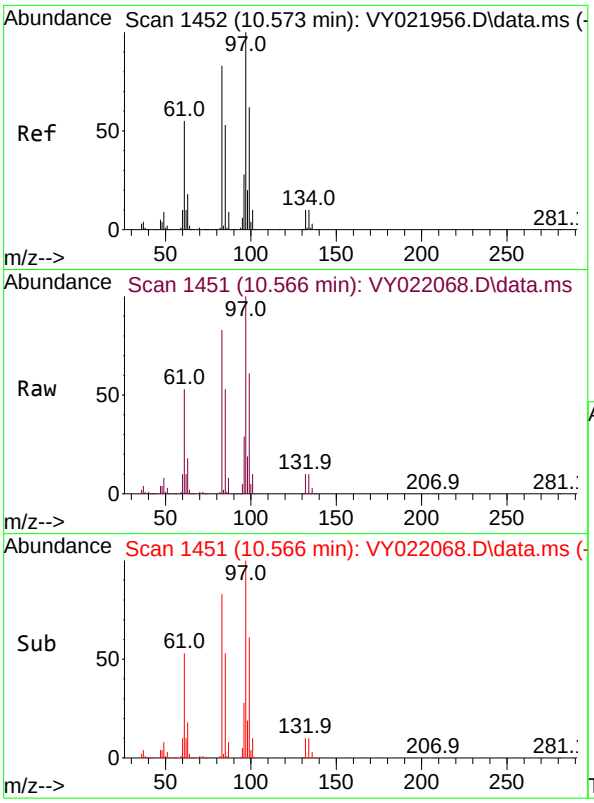


#54
cis-1,3-Dichloropropene
Concen: 52.967 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 217032

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.6	40.0
39	36.7	29.6	44.4



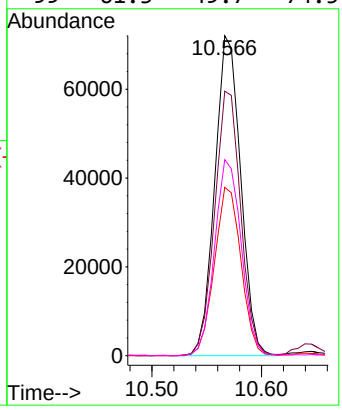


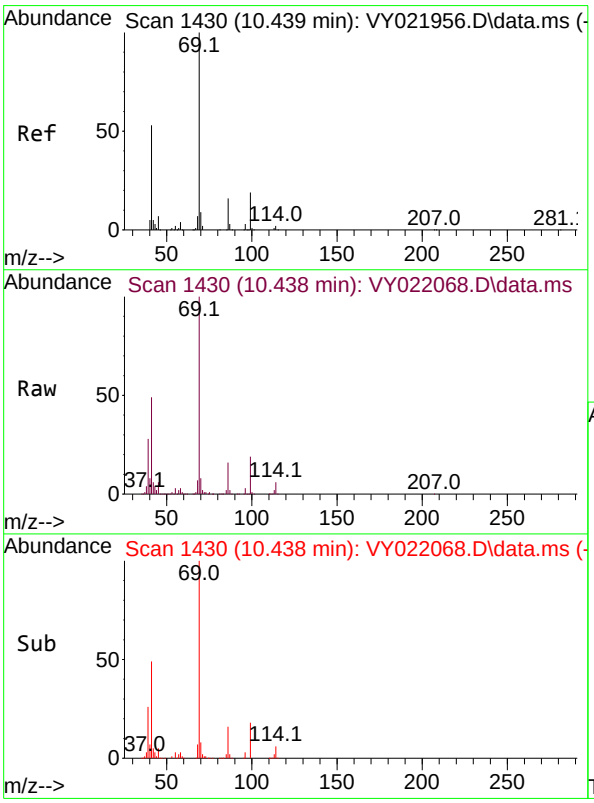
#55
1,1,2-Trichloroethane
Concen: 55.247 ug/l
RT: 10.566 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 118716

Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.7	100.1
85	52.5	42.6	64.0
99	61.3	49.7	74.5

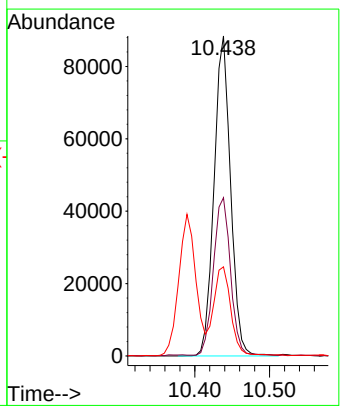


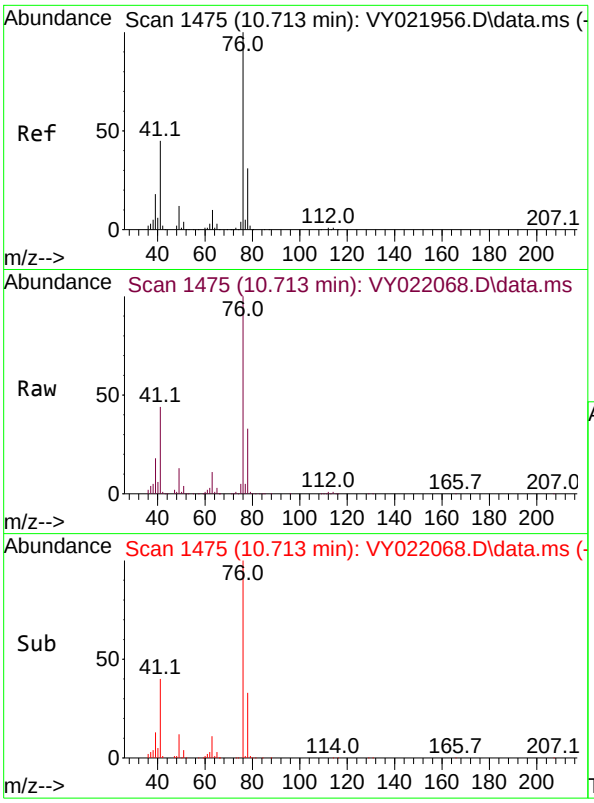


#56
Ethyl methacrylate
Concen: 55.318 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 69 Resp: 135933

Ion	Ratio	Lower	Upper
69	100		
41	51.3	40.7	61.1
39	28.3	23.3	34.9



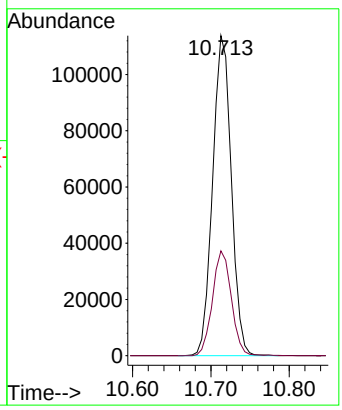


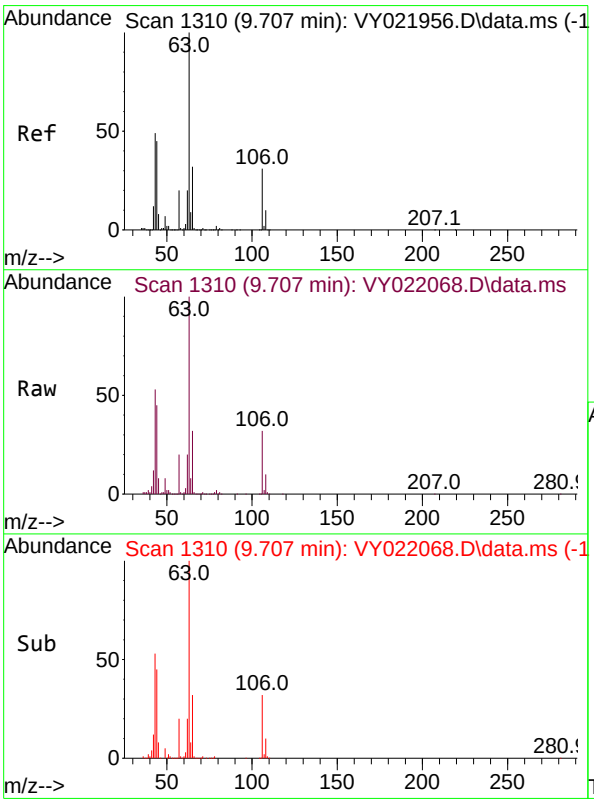
#57
1,3-Dichloropropane
Concen: 54.690 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 188396

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

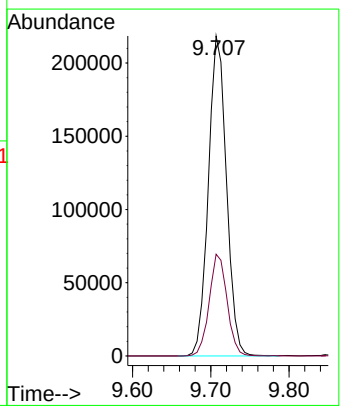


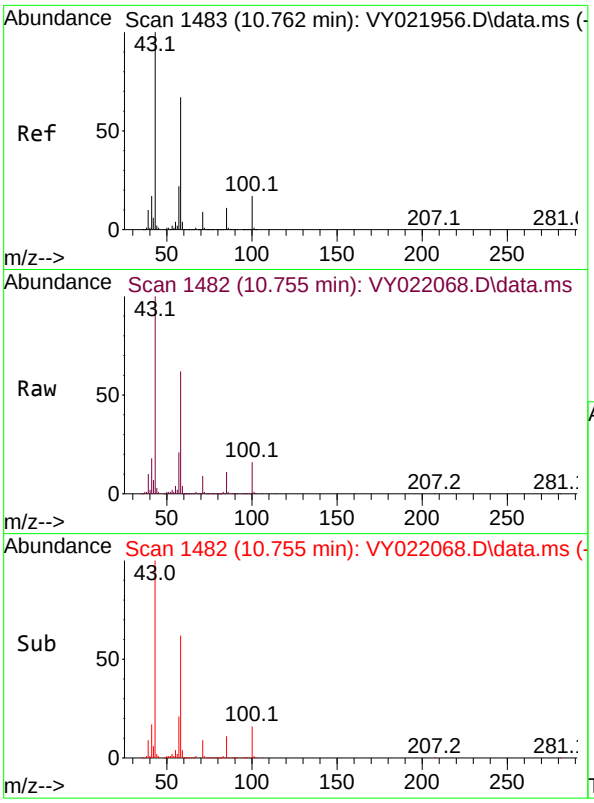


#58
2-Chloroethyl Vinyl ether
Concen: 291.553 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 63 Resp: 350286

Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.3	37.9



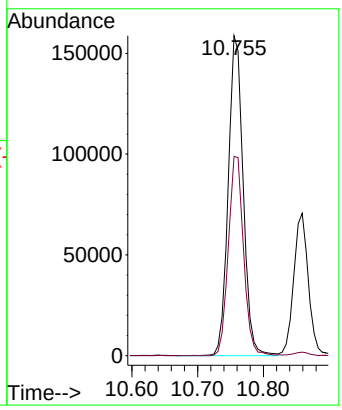


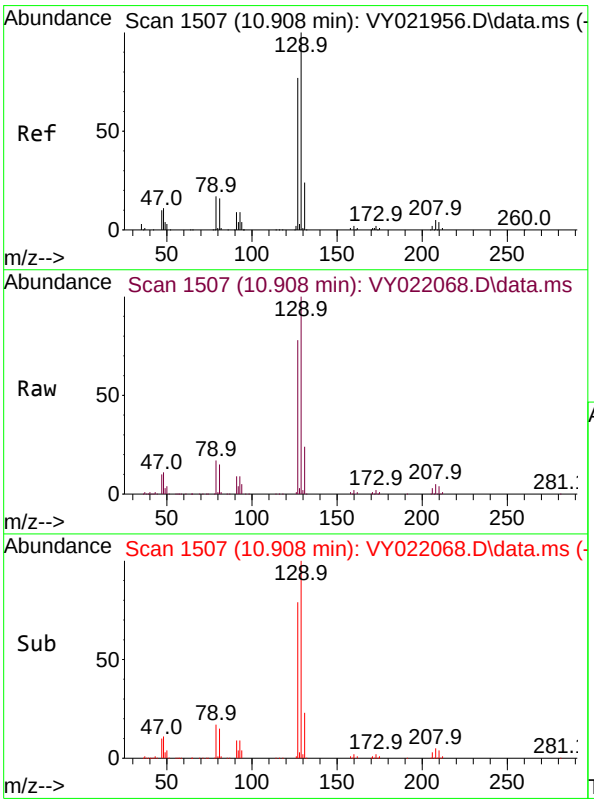
#59
2-Hexanone
Concen: 282.992 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 250877

Ion	Ratio	Lower	Upper
43	100		
58	63.5	32.0	96.0

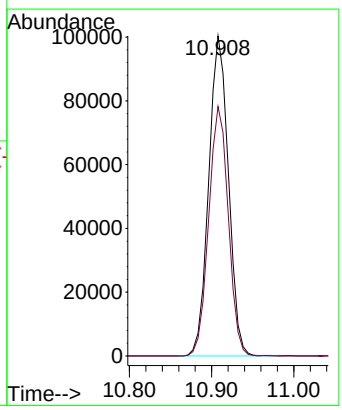


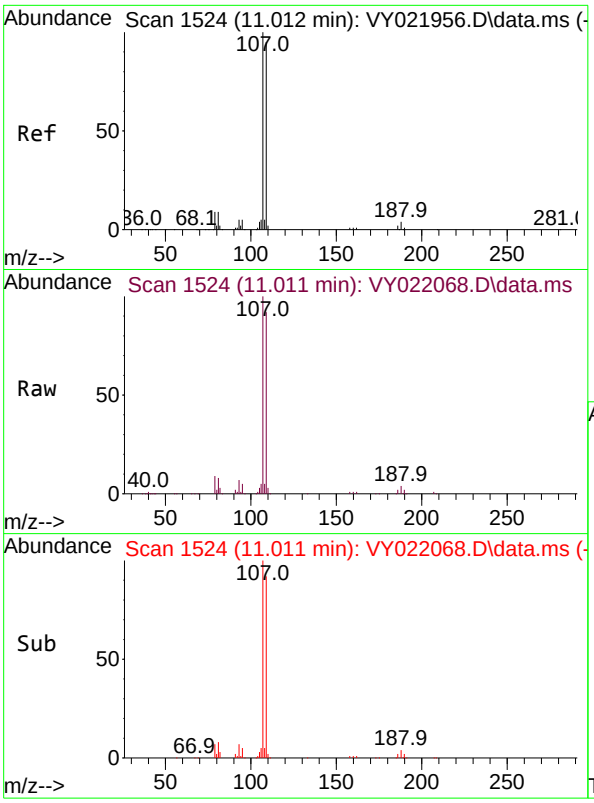


#60
Dibromochloromethane
Concen: 56.193 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:129 Resp: 167173

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.3



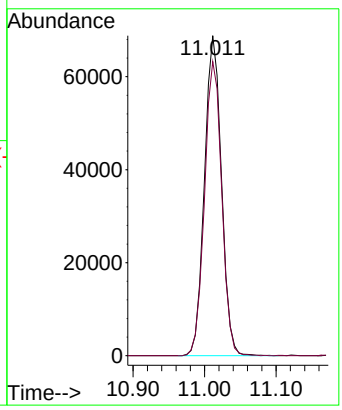


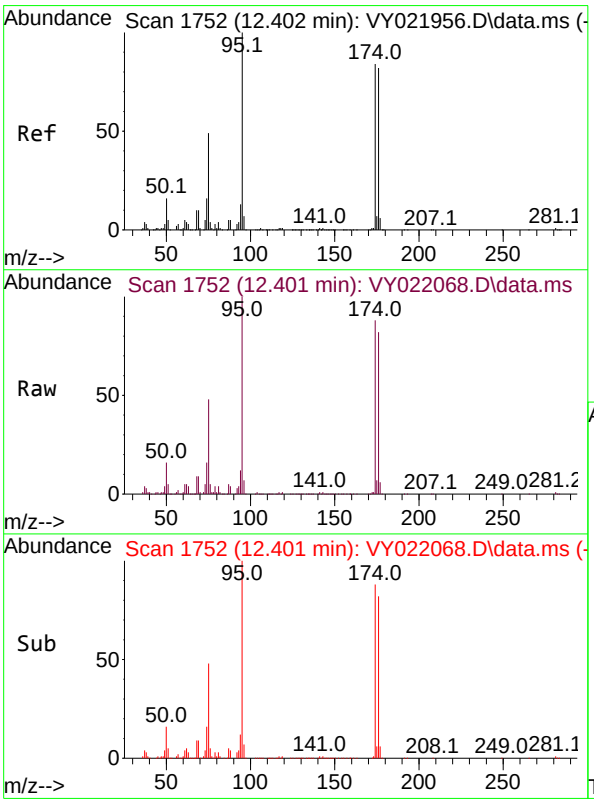
#61
1,2-Dibromoethane
Concen: 55.927 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 113453

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

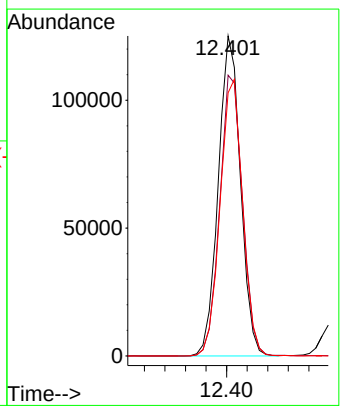


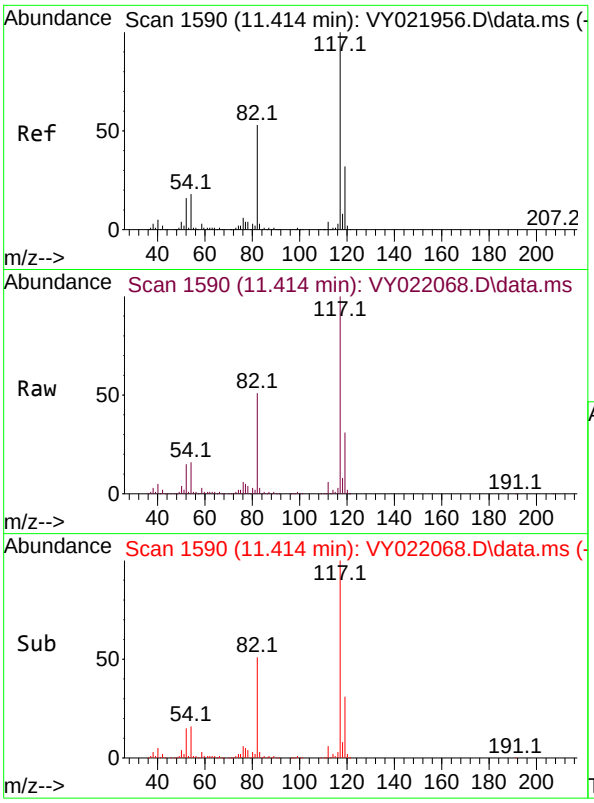


#62
4-Bromofluorobenzene
Concen: 53.268 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 95 Resp: 187088

Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	179.0
176	87.9	0.0	171.8



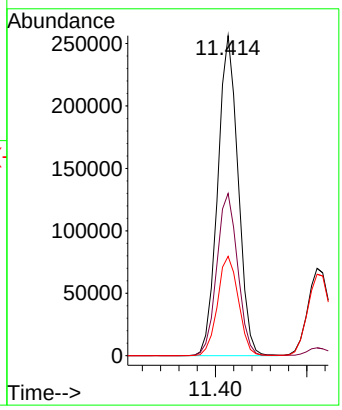


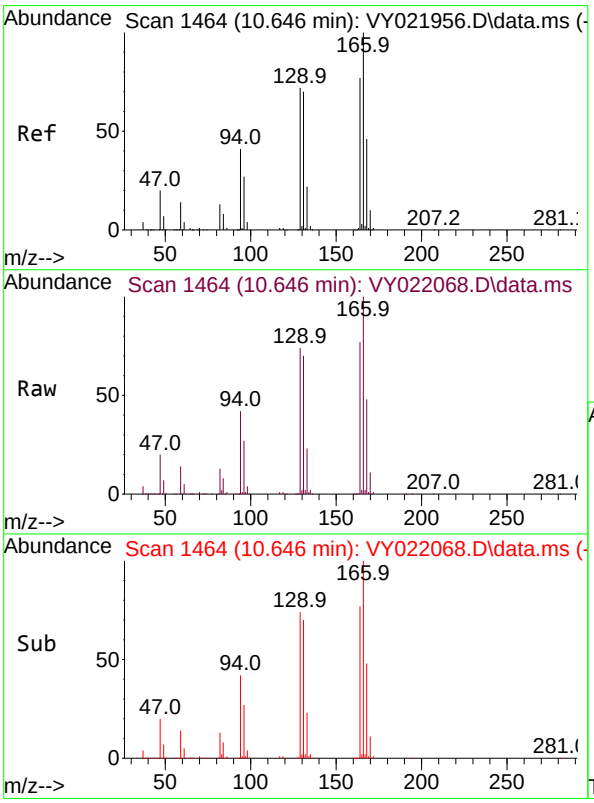
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 397444

Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.1	63.1
119	31.1	25.7	38.5

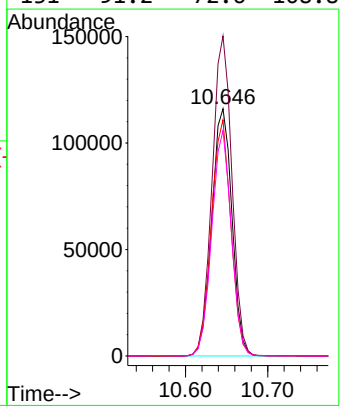


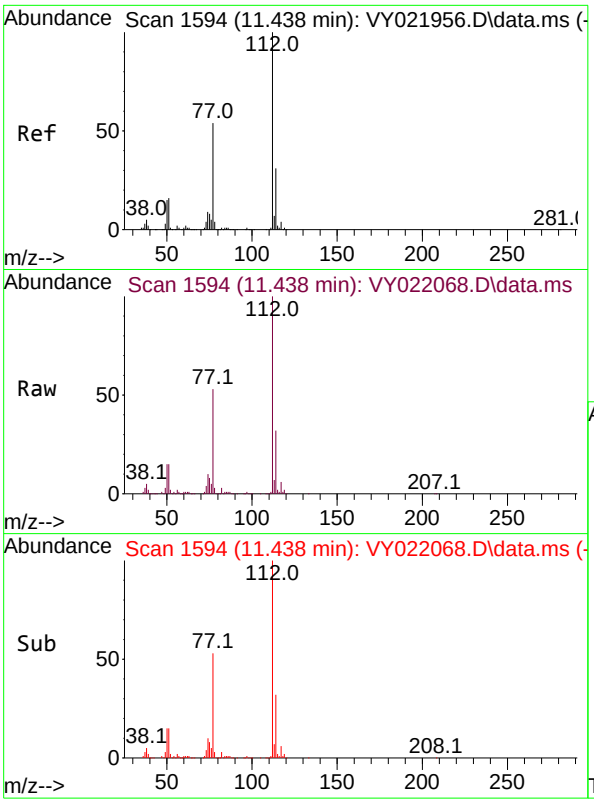


#64
Tetrachloroethene
Concen: 52.857 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:164 Resp: 198180

Ion	Ratio	Lower	Upper
164	100		
166	129.4	103.6	155.4
129	95.5	74.2	111.4
131	91.2	72.6	108.8



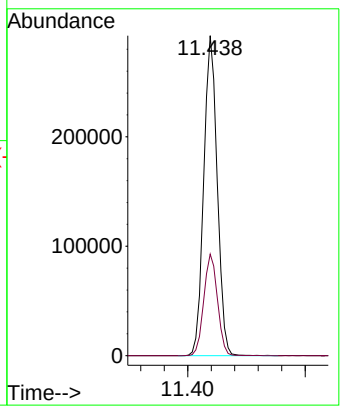


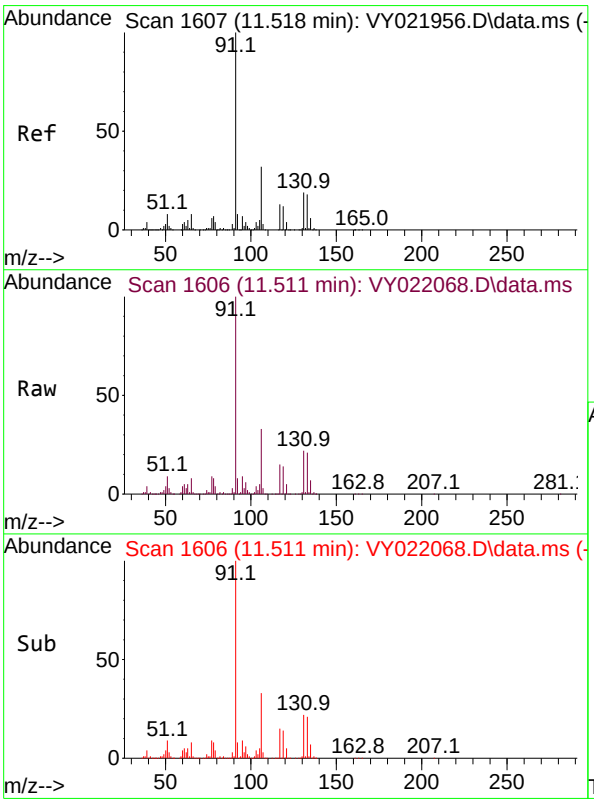
#65
Chlorobenzene
Concen: 52.461 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 466269

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.0	37.4

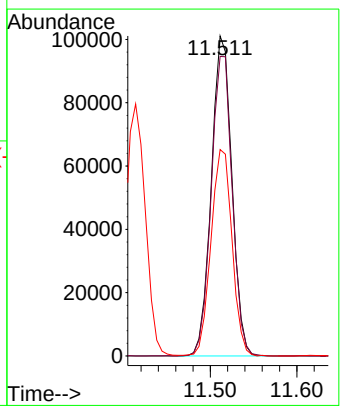


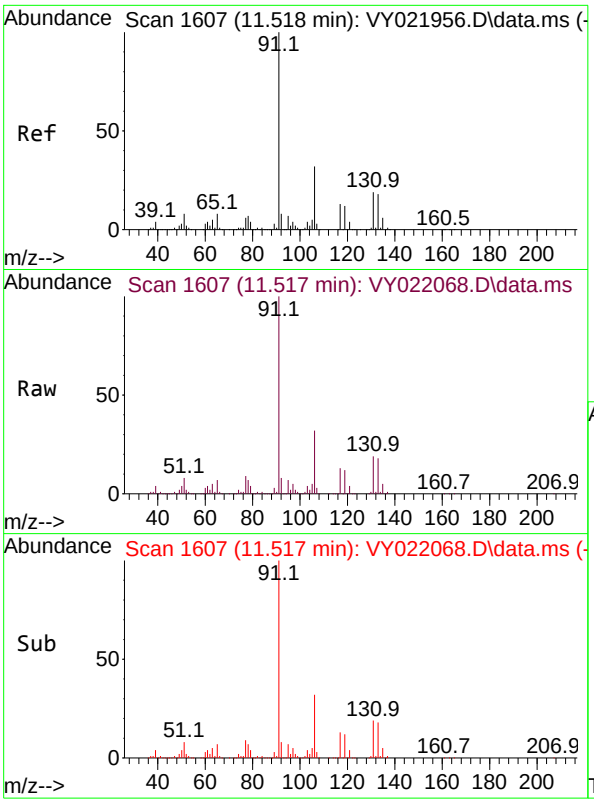


#66
1,1,1,2-Tetrachloroethane
Concen: 53.227 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:131 Resp: 166548

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.3
119	66.0	32.4	97.0



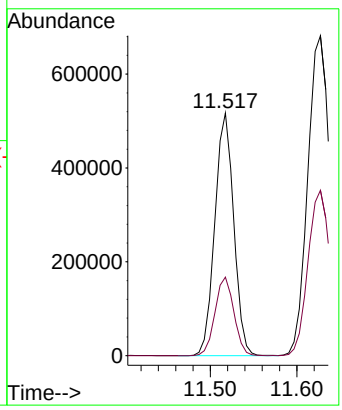


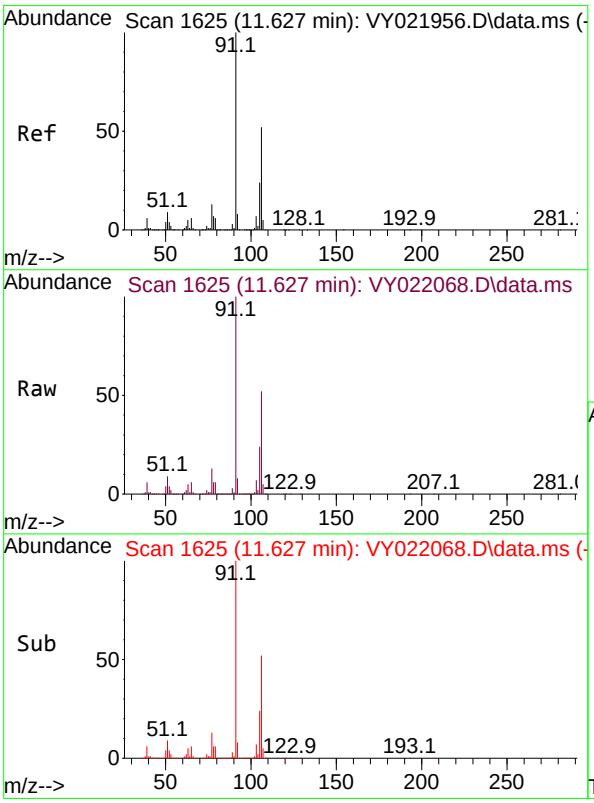
#67
Ethyl Benzene
Concen: 53.889 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 783494

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.9	38.9

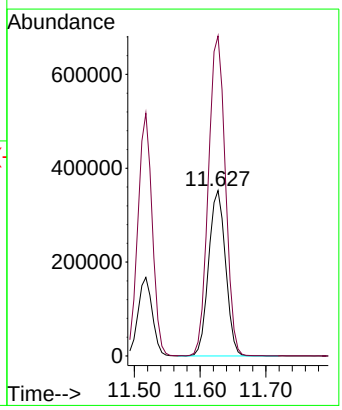


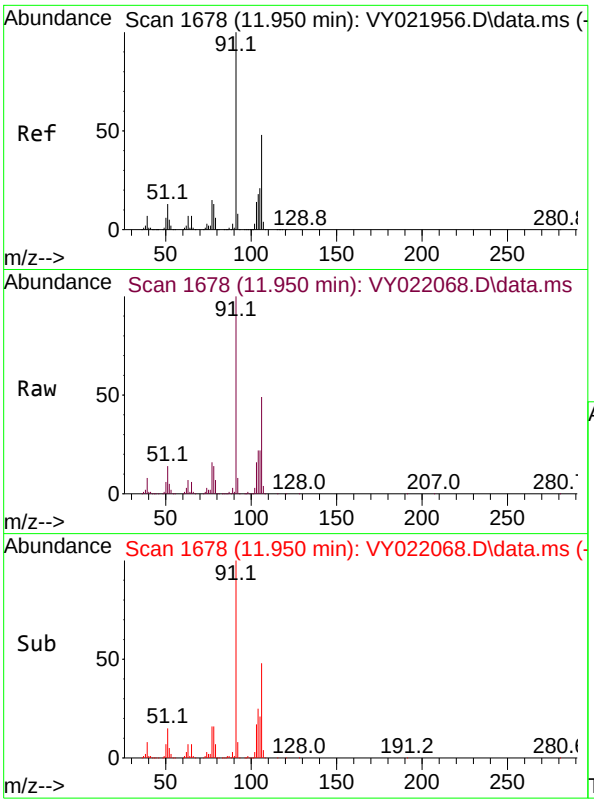


#68
m/p-Xylenes
Concen: 109.058 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:106 Resp: 630948

Ion	Ratio	Lower	Upper
106	100		
91	194.1	156.2	234.2



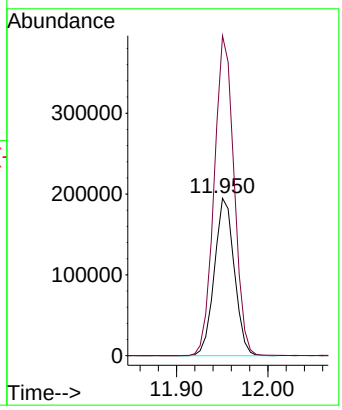


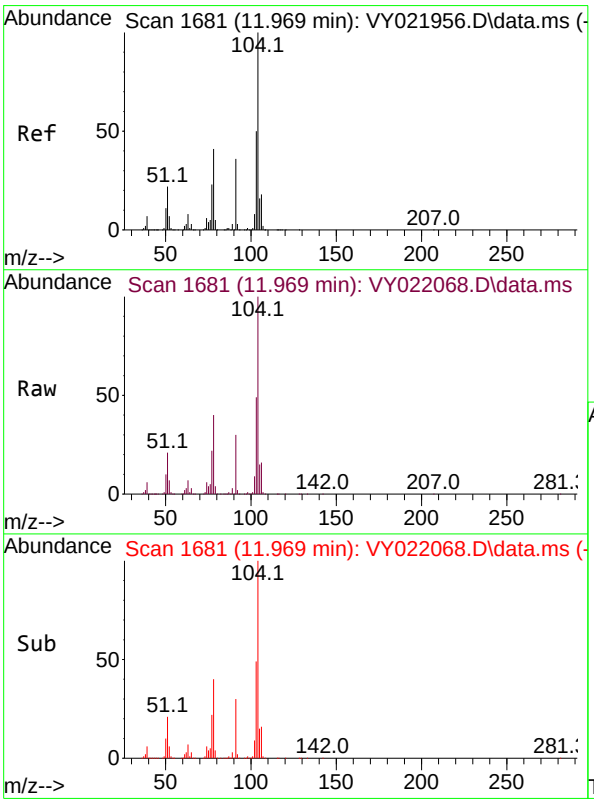
#69
o-Xylene
Concen: 55.305 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 294908

Ion	Ratio	Lower	Upper
106	100		
91	203.0	103.0	308.9

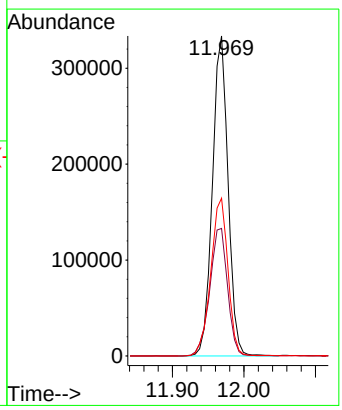


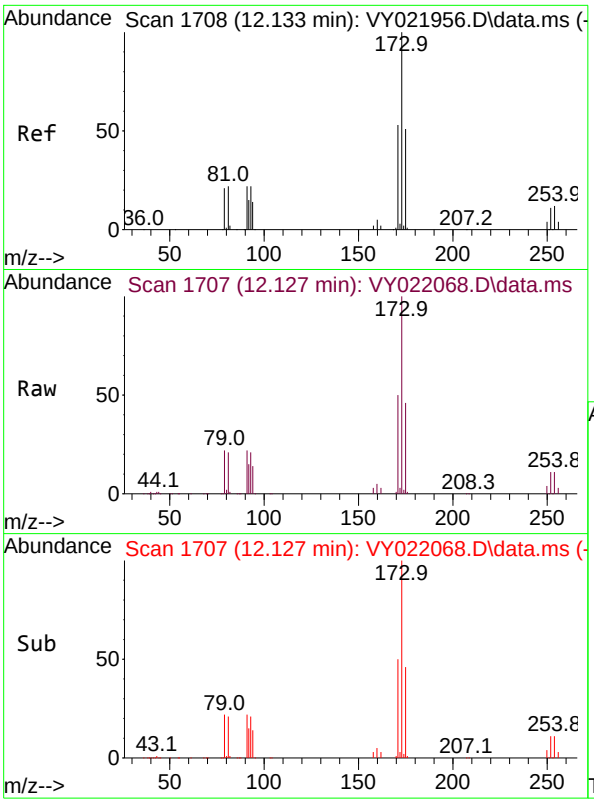


#70
Styrene
Concen: 56.544 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:104 Resp: 506252

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.6	54.8
103	54.0	43.8	65.8



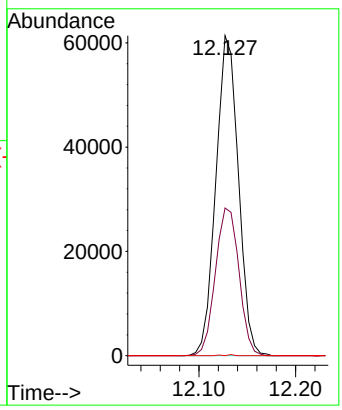


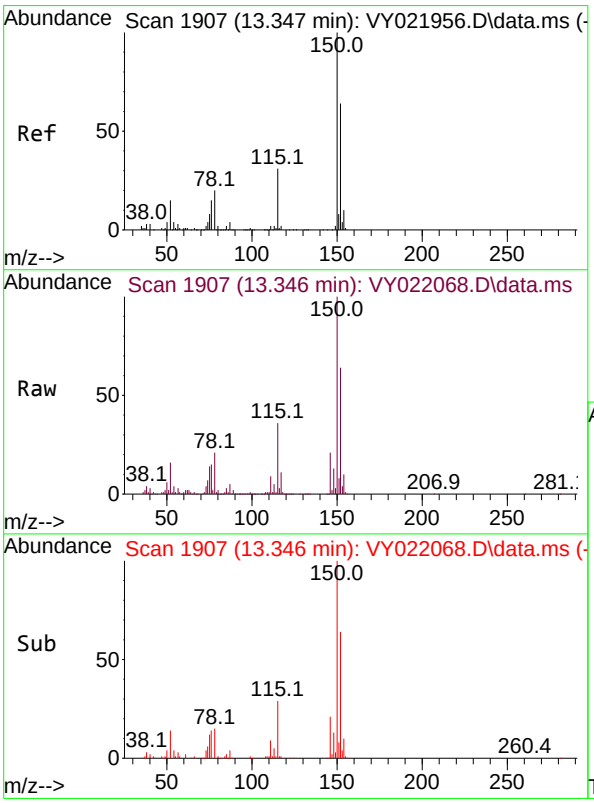
#71
Bromoform
Concen: 54.537 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 99214

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.1	0.0	0.0#

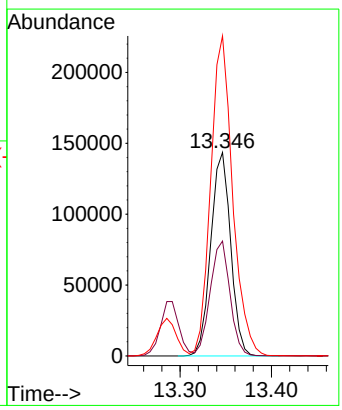


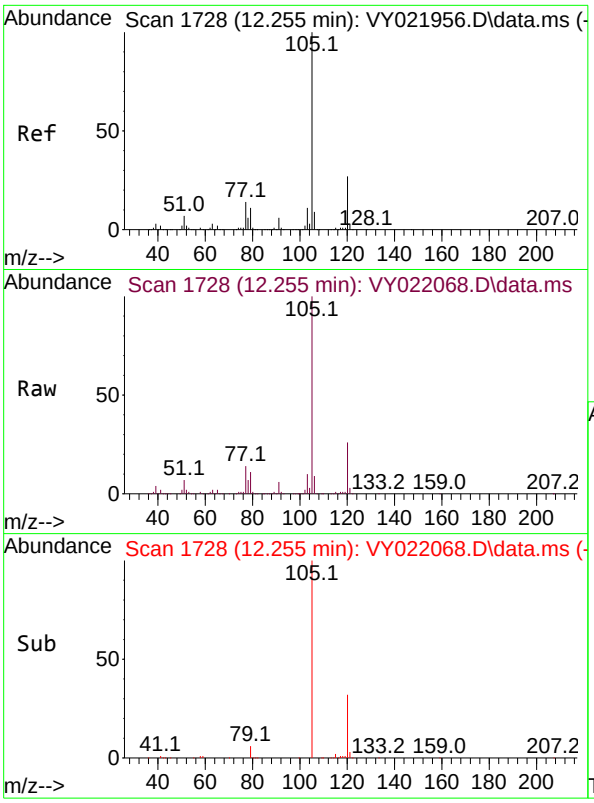


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:152 Resp: 216567

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.0	84.0
150	173.7	0.0	345.6



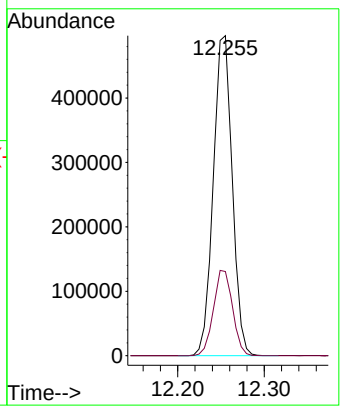


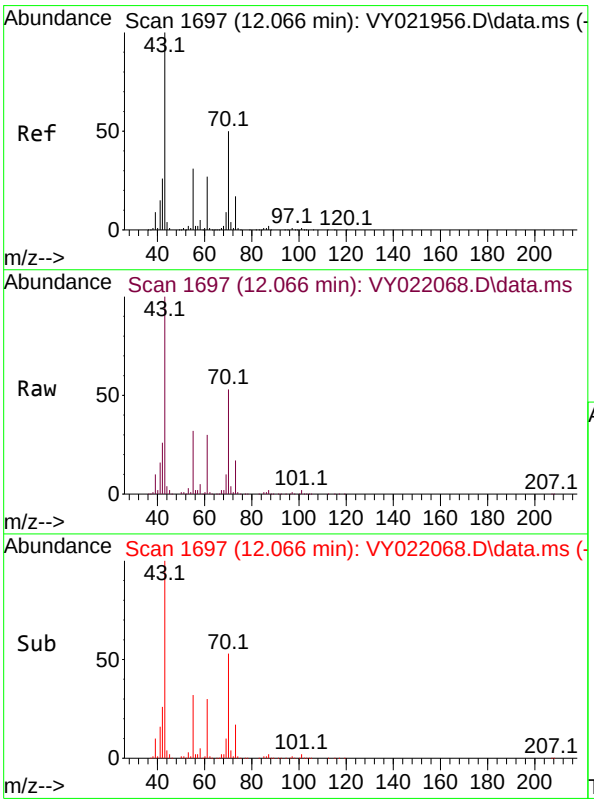
#73
Isopropylbenzene
Concen: 52.147 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 754507

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5

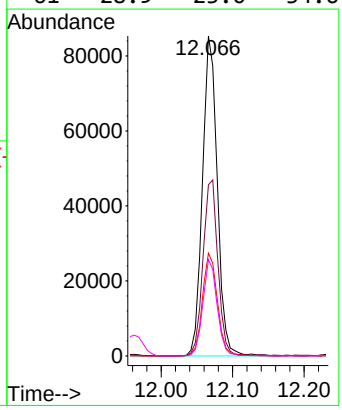


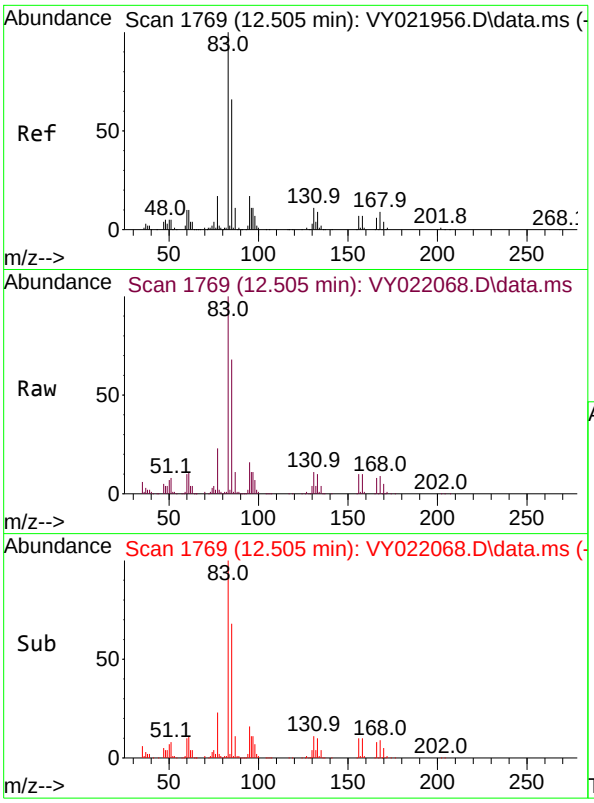


#74
N-amyl acetate
Concen: 49.573 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 43 Resp: 123233

Ion	Ratio	Lower	Upper
43	100		
70	55.6	43.2	64.8
55	32.5	25.7	38.5
61	28.9	23.0	34.6



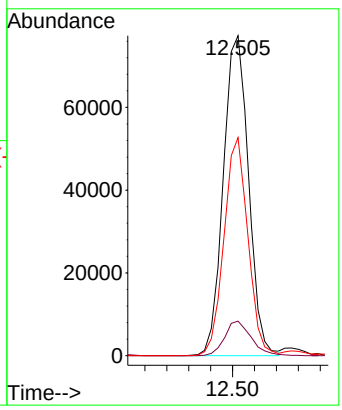


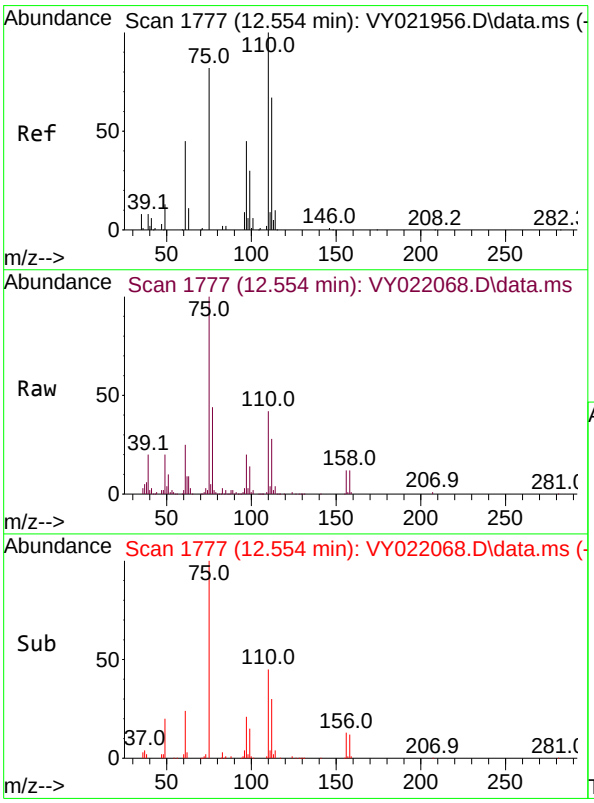
#75
1,1,2,2-Tetrachloroethane
Concen: 50.669 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 123603

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	64.6	32.3	96.8

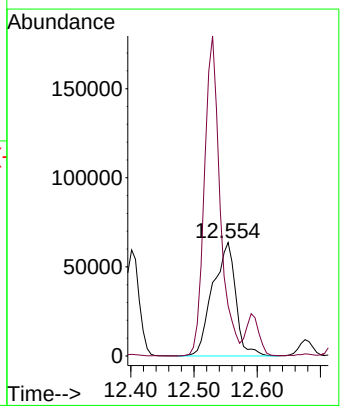


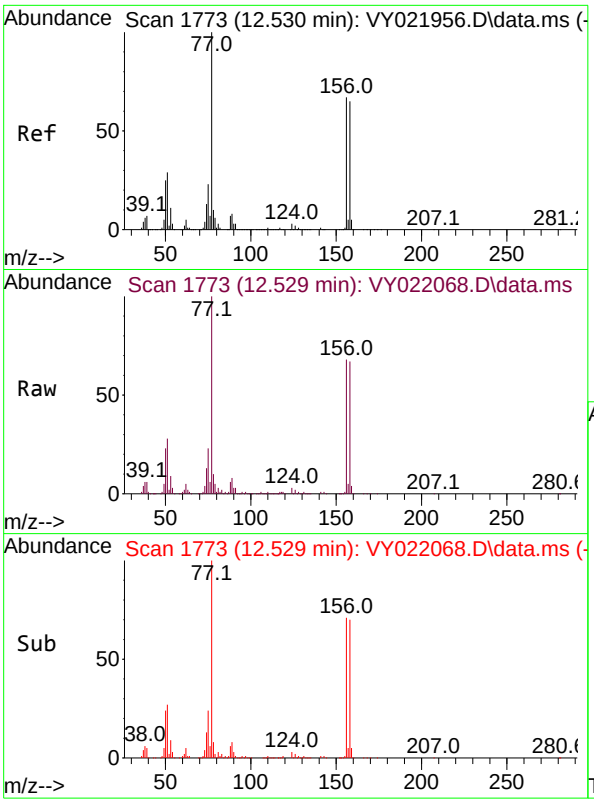


#76
1,2,3-Trichloropropane
Concen: 86.727 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 160879

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



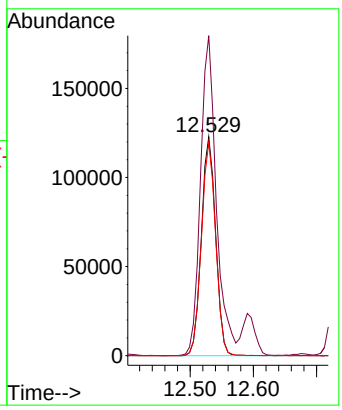


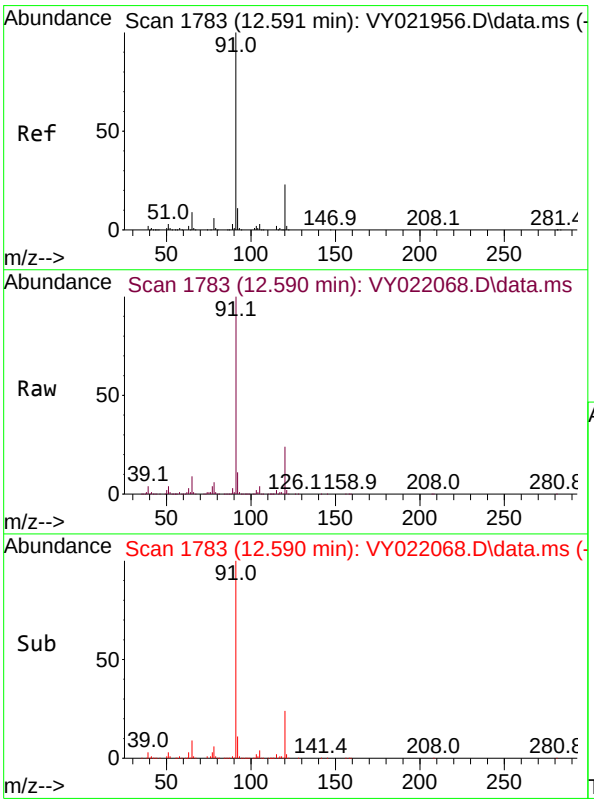
#77
Bromobenzene
Concen: 52.825 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 193134

Ion	Ratio	Lower	Upper
156	100		
77	162.2	82.7	248.1
158	97.1	48.1	144.4

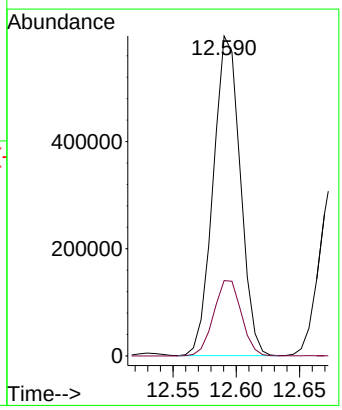


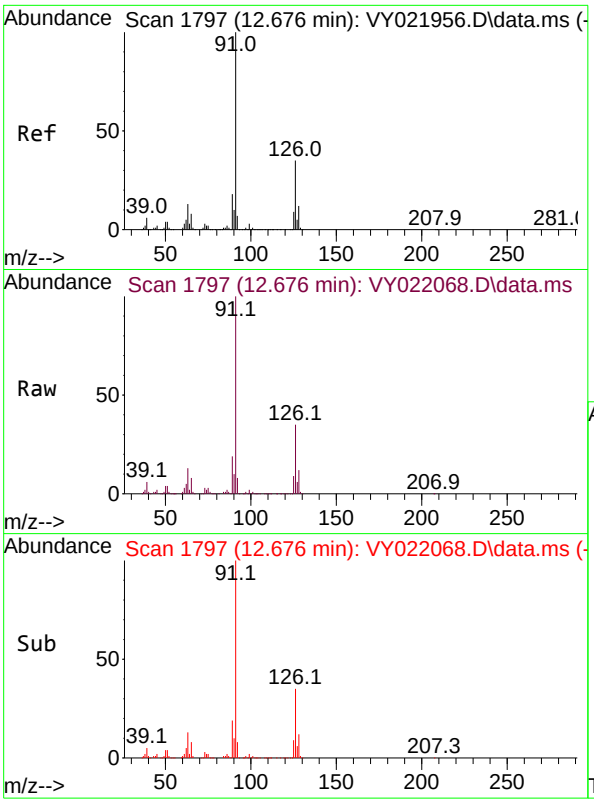


#78
n-propylbenzene
Concen: 51.568 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 91 Resp: 888566

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.5



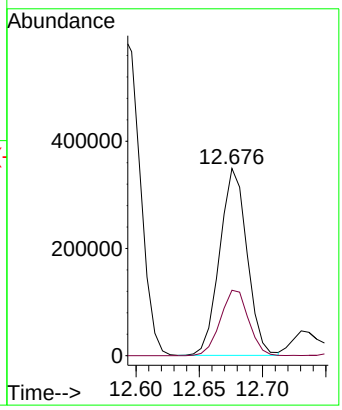


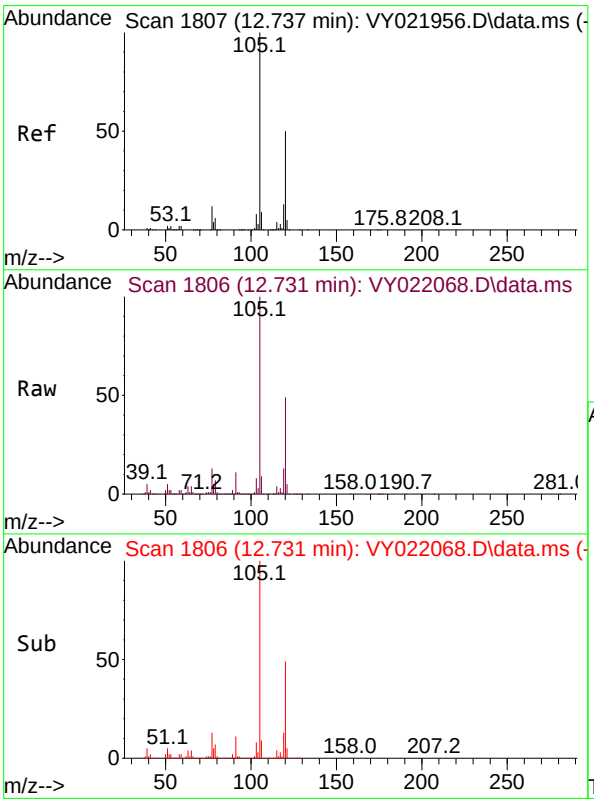
#79
2-Chlorotoluene
Concen: 52.469 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 525787

Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.9	53.8

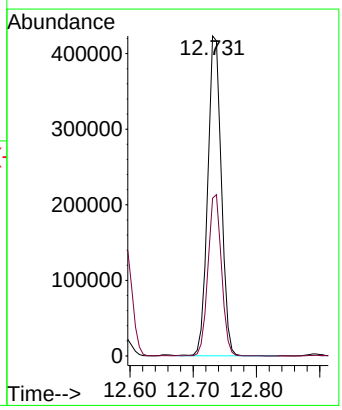


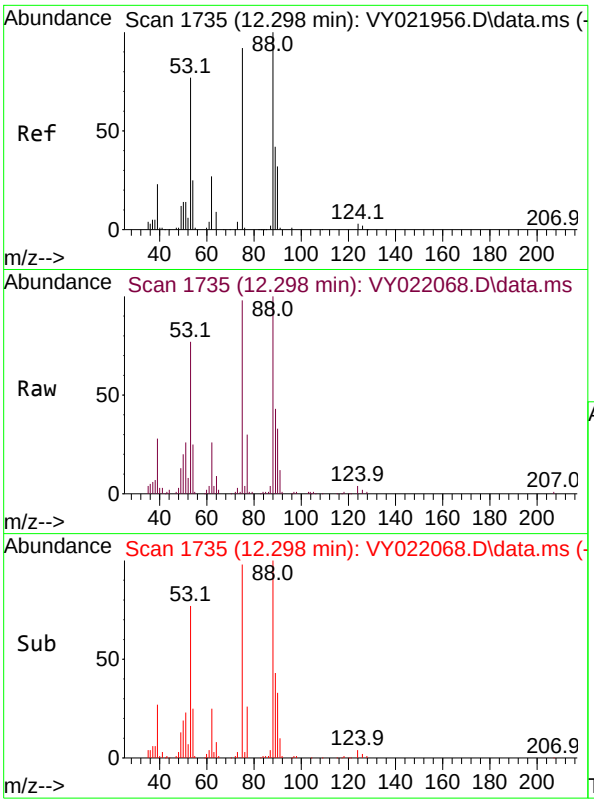


#80
1,3,5-Trimethylbenzene
Concen: 52.985 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:105 Resp: 631673

Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.0	75.0



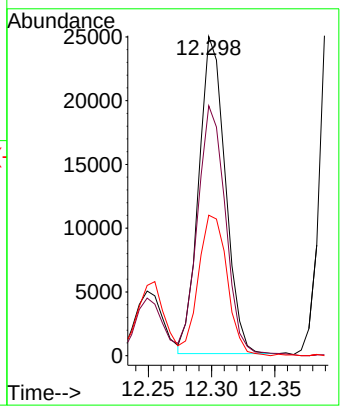


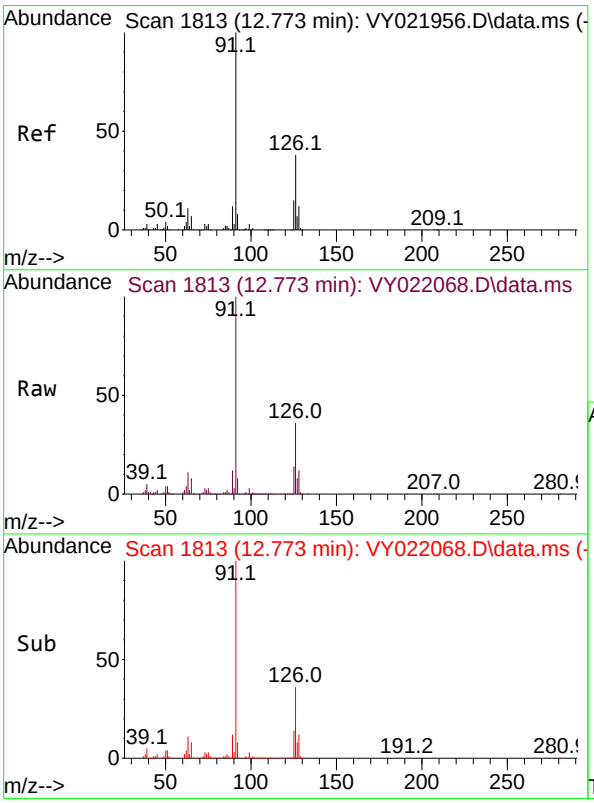
#81
trans-1,4-Dichloro-2-butene
Concen: 47.174 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 36338

Ion	Ratio	Lower	Upper
75	100		
53	83.4	66.0	99.0
89	48.1	37.2	55.8

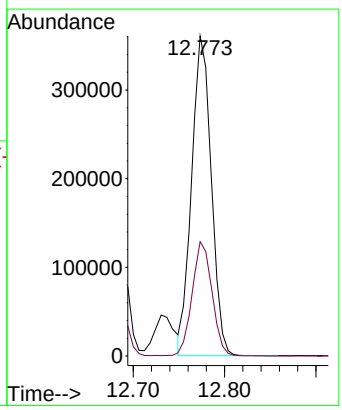


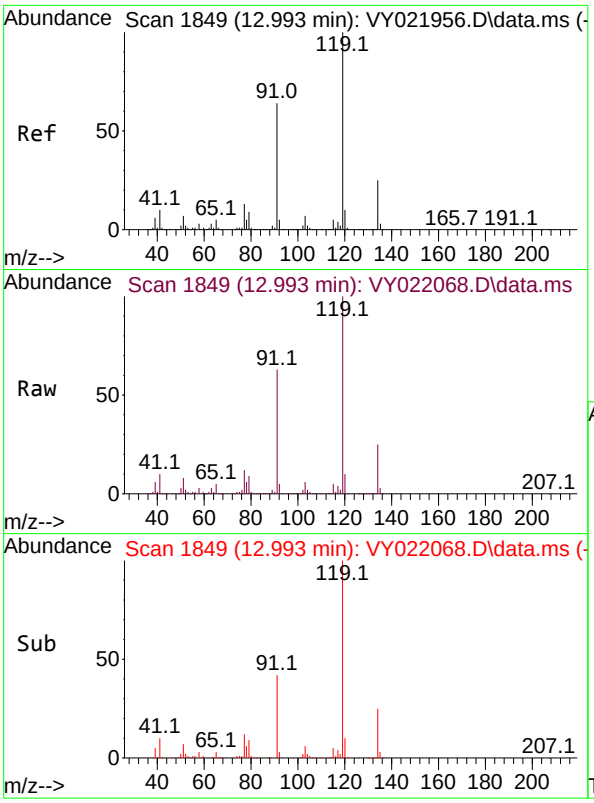


#82
4-Chlorotoluene
Concen: 51.763 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 91 Resp: 539217

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8



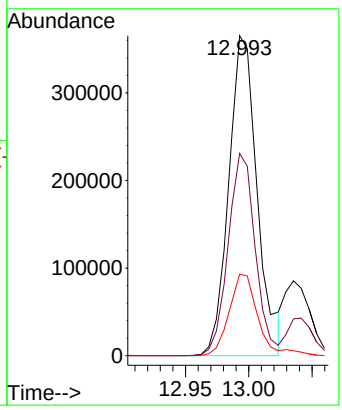


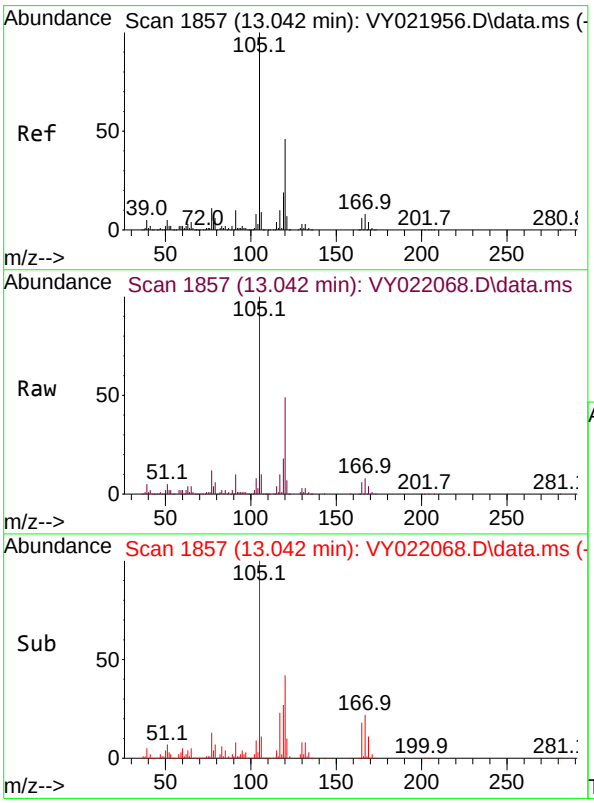
#83
tert-Butylbenzene
Concen: 53.448 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 571459

Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.3	90.9
134	25.9	12.9	38.7

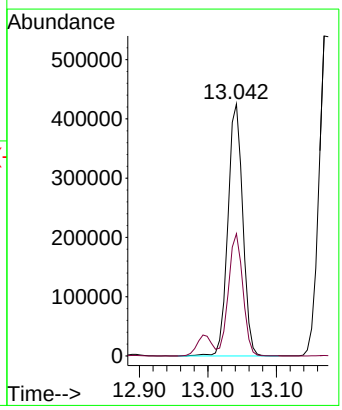


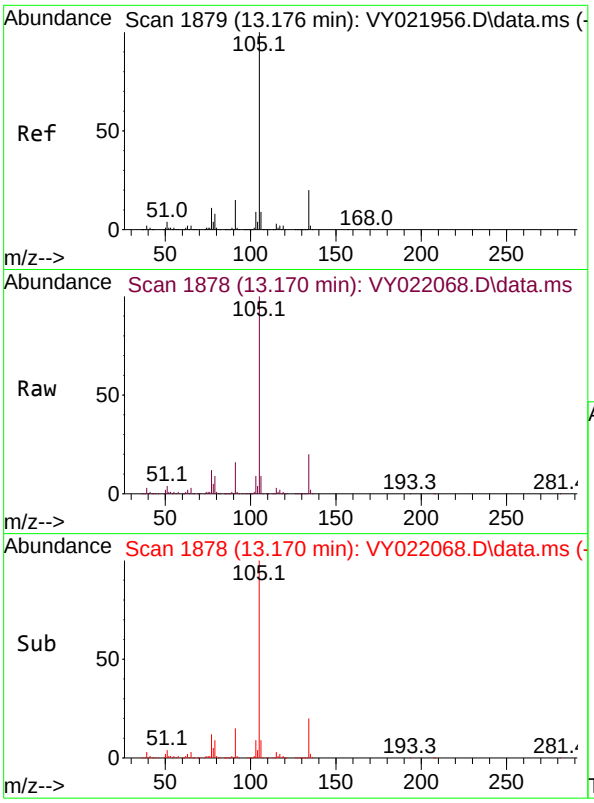


#84
1,2,4-Trimethylbenzene
Concen: 53.490 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:105 Resp: 637834

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.4	70.0



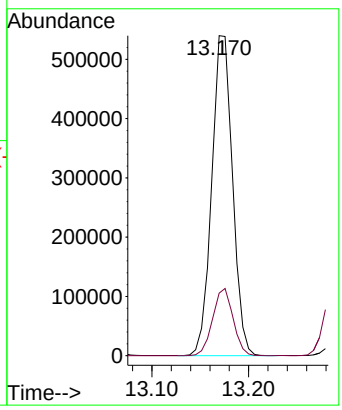


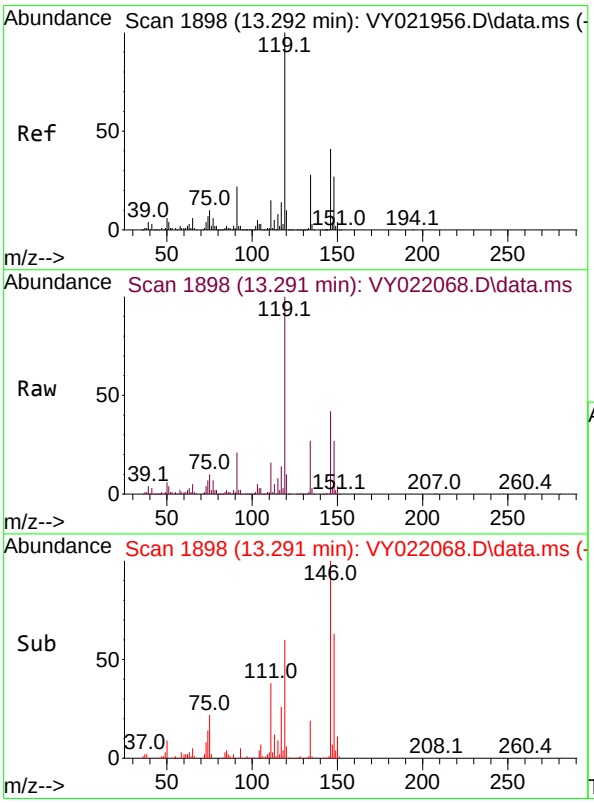
#85
sec-Butylbenzene
Concen: 51.537 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 806330

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

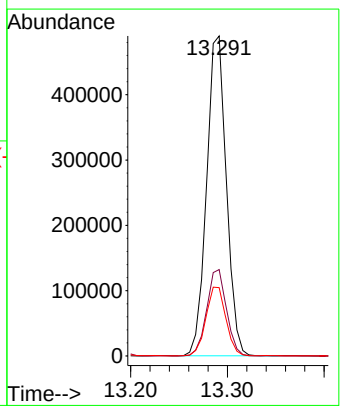


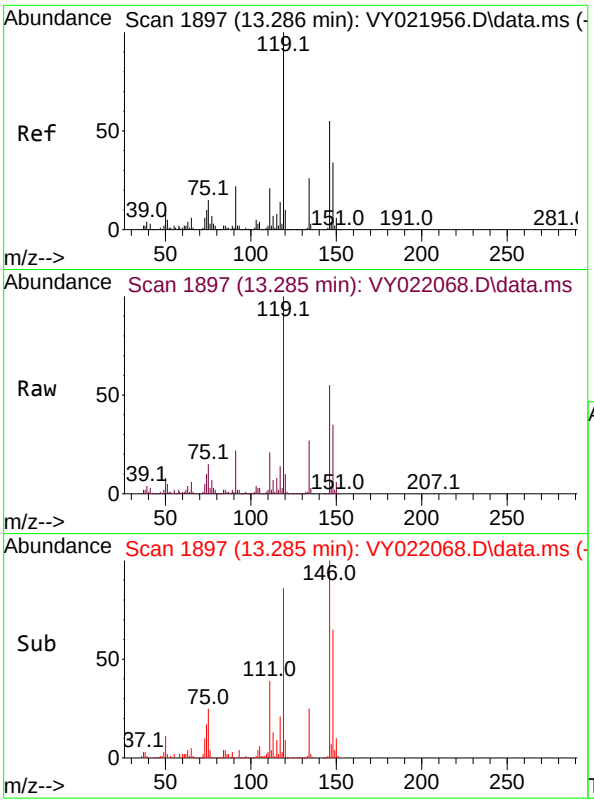


#86
p-Isopropyltoluene
Concen: 52.415 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:119 Resp: 696362

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	21.7	11.0	33.0



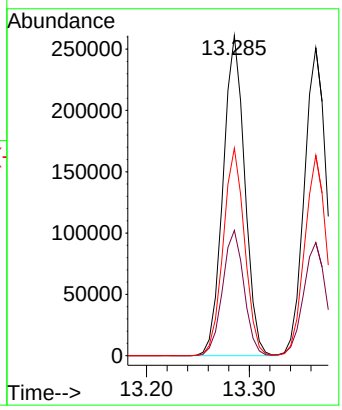


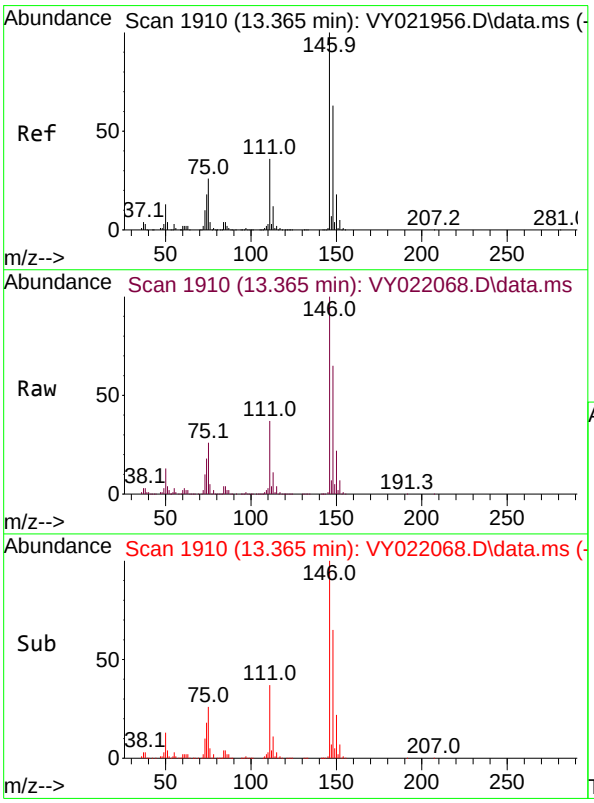
#87
1,3-Dichlorobenzene
Concen: 51.454 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 382082

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.9	32.0	96.2

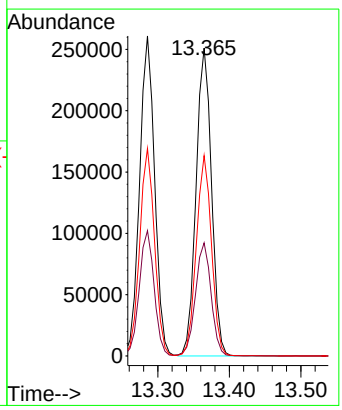


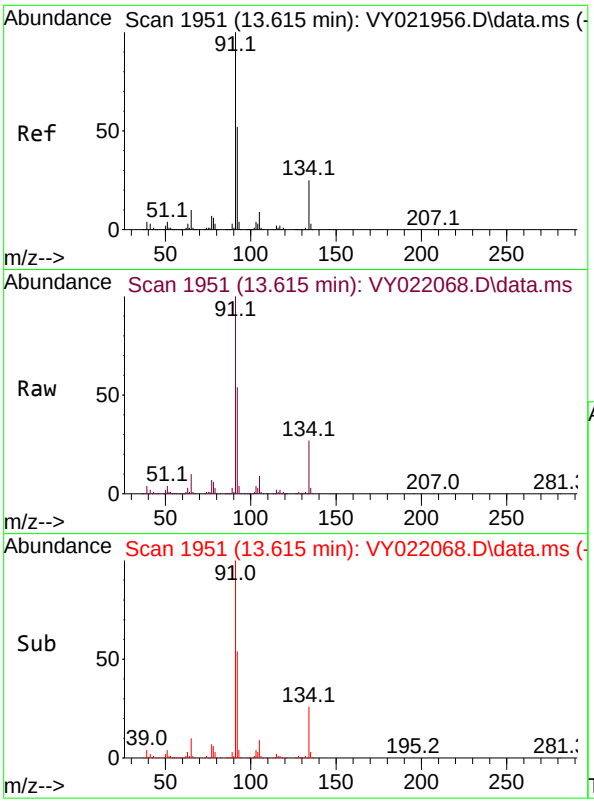


#88
1,4-Dichlorobenzene
Concen: 51.205 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:146 Resp: 376582

Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.2	57.6
148	64.0	32.0	96.0



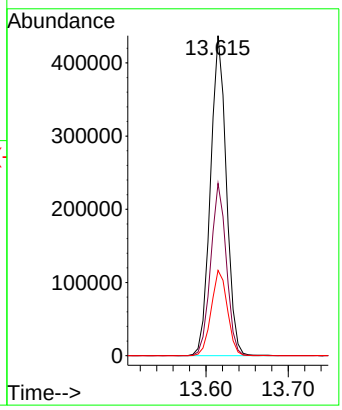


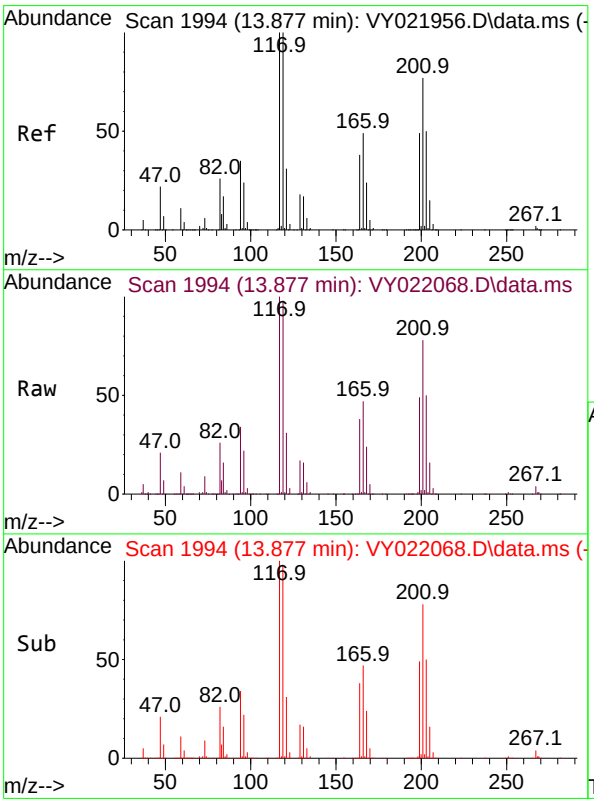
#89
n-Butylbenzene
Concen: 49.245 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 584788

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	27.2	13.4	40.1

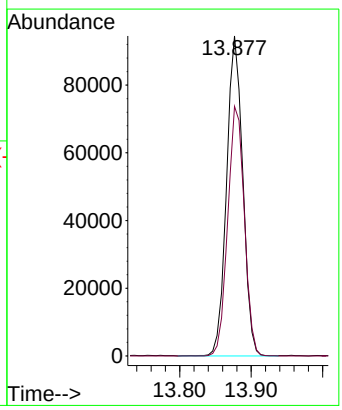


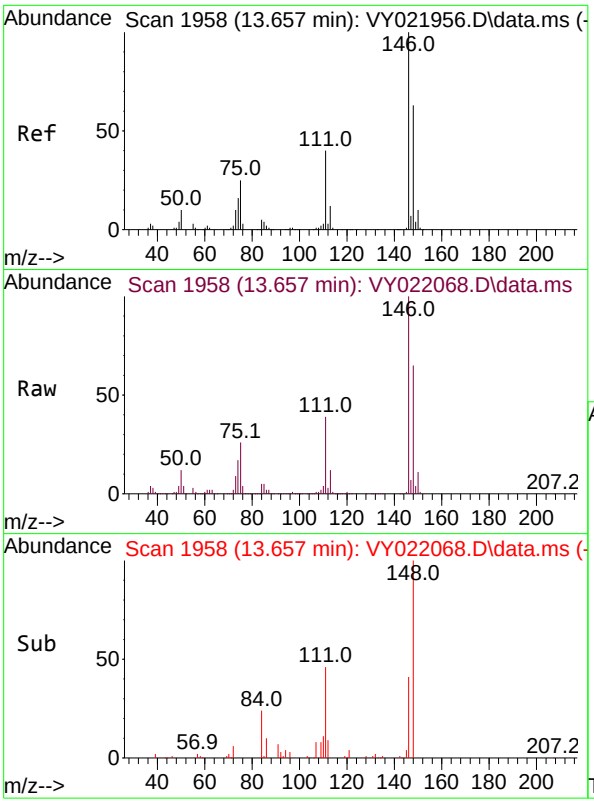


#90
Hexachloroethane
Concen: 50.959 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:117 Resp: 148747

Ion	Ratio	Lower	Upper
117	100		
201	79.7	38.7	116.1



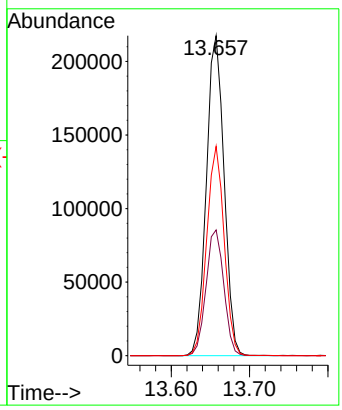


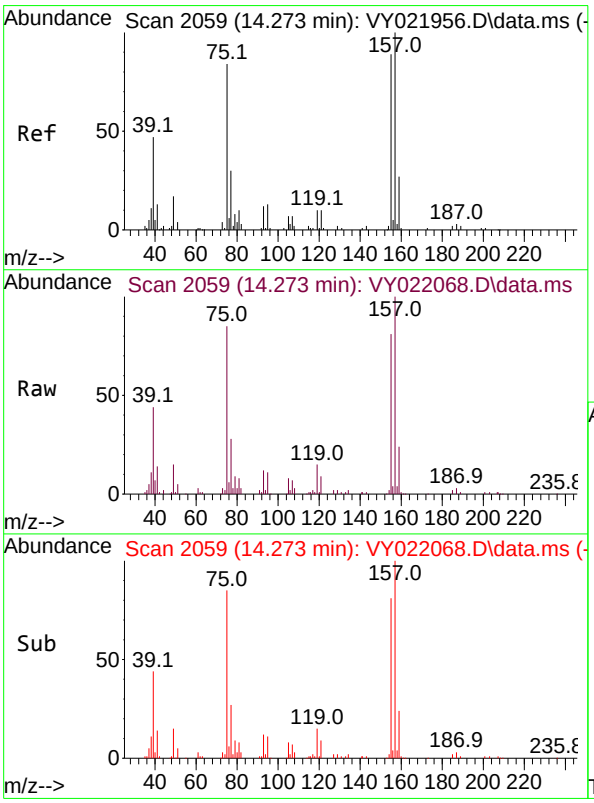
#91
1,2-Dichlorobenzene
Concen: 52.679 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 341181

Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	64.5	32.1	96.3

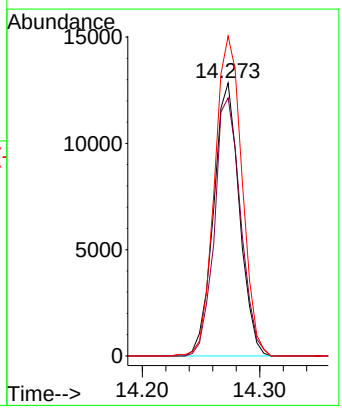


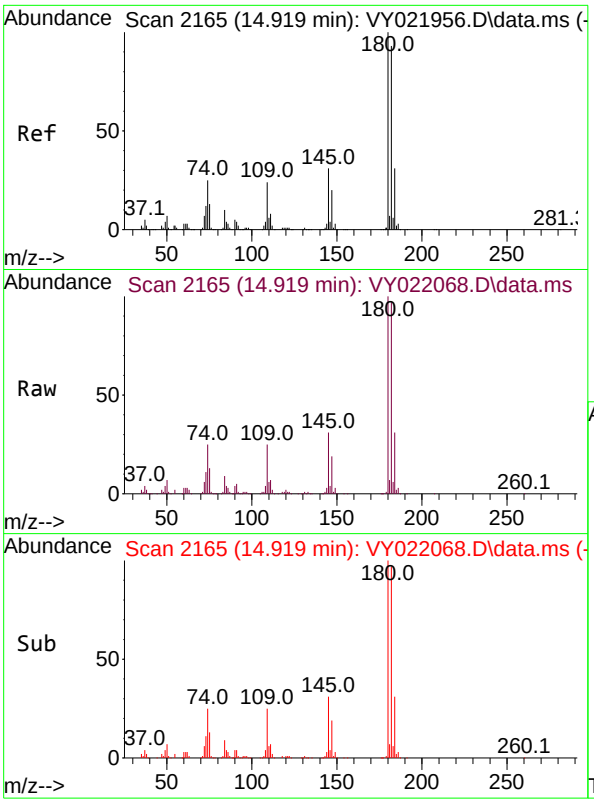


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.577 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion: 75 Resp: 19629

Ion	Ratio	Lower	Upper
75	100		
155	95.4	50.7	152.3
157	123.8	62.6	187.8



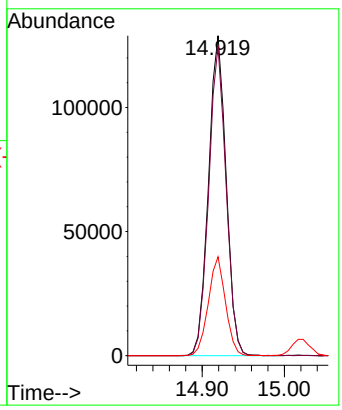


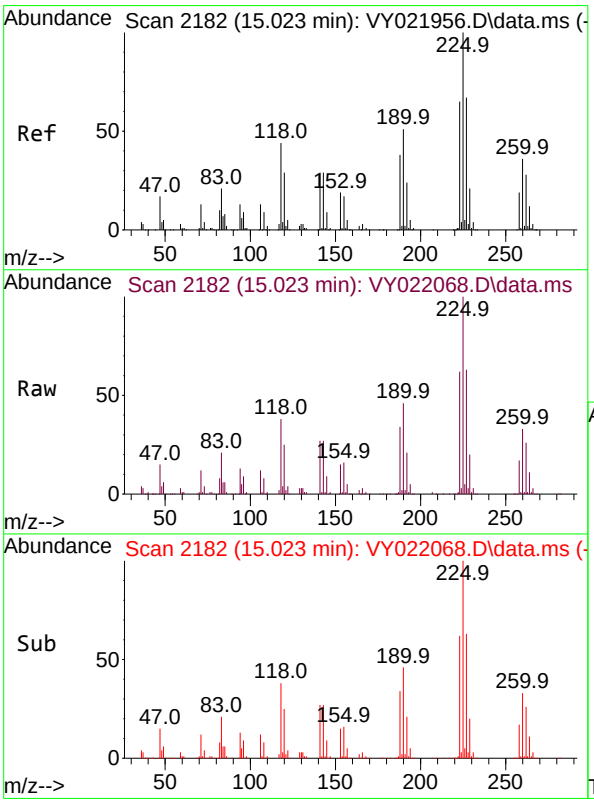
#93
1,2,4-Trichlorobenzene
Concen: 52.378 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 192235

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.4
145	30.1	15.0	45.0

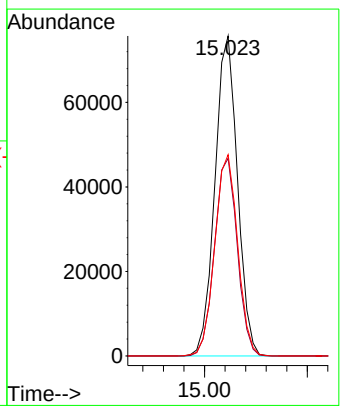


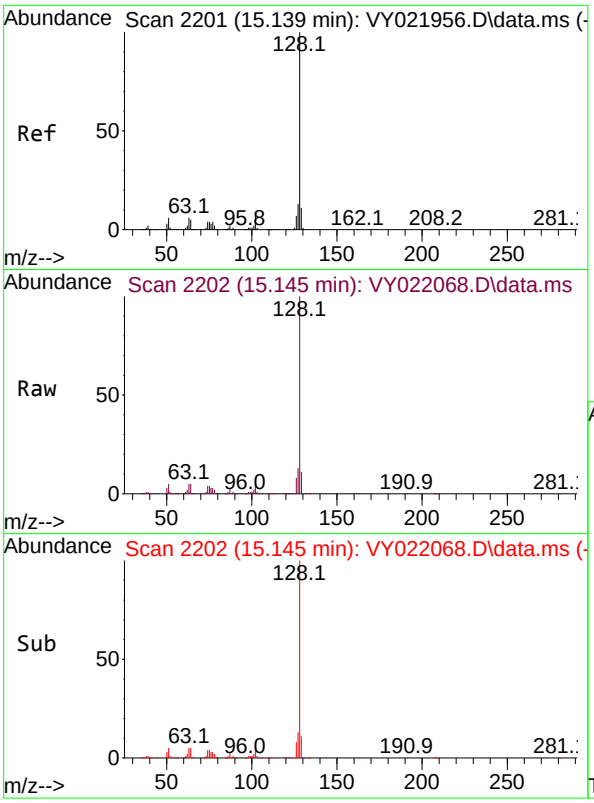


#94
Hexachlorobutadiene
Concen: 51.008 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:225 Resp: 115180

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	63.9	32.3	96.9



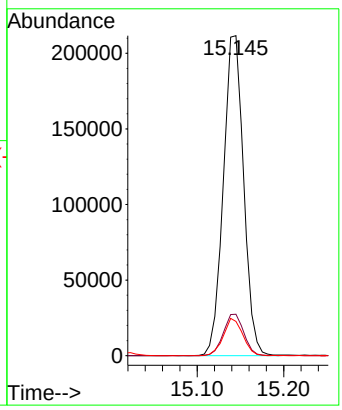


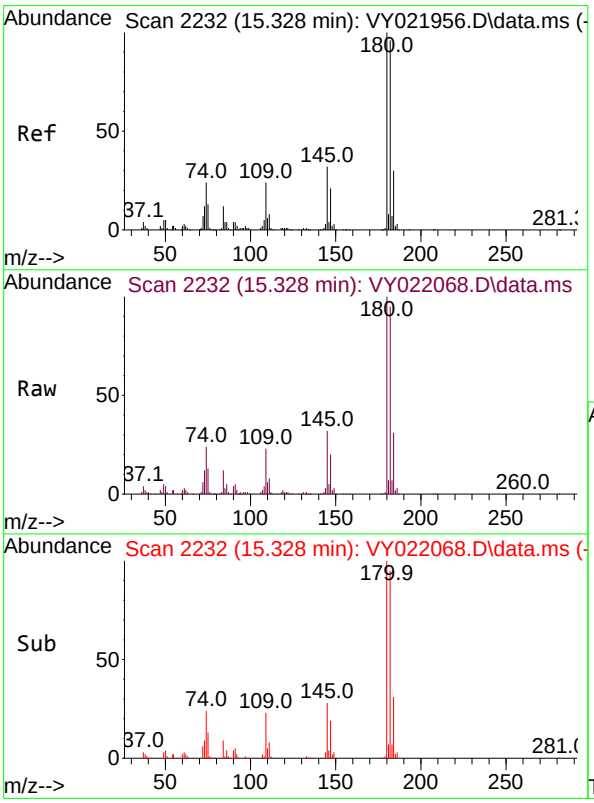
#95
Naphthalene
Concen: 56.524 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 344610

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.2	8.9	13.3

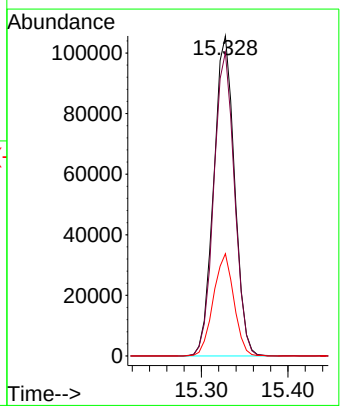




#96
1,2,3-Trichlorobenzene
Concen: 55.603 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022068.D
Acq: 29 Apr 2025 19:45

Tgt Ion:180 Resp: 176155

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.4
145	31.6	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	299393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	438020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	420486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	233640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132181	47.797	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.600%			
35) Dibromofluoromethane	7.634	113	147788	51.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.140%			
50) Toluene-d8	10.103	98	559683	51.302	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.408	95	190816	51.957	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	108081	42.366	ug/l	99
3) Chloromethane	2.068	50	178783	49.217	ug/l	100
4) Vinyl Chloride	2.202	62	216428	48.485	ug/l	100
5) Bromomethane	2.592	94	187814	48.836	ug/l	98
6) Chloroethane	2.733	64	150261	49.426	ug/l	97
7) Trichlorofluoromethane	3.056	101	283309	48.131	ug/l	96
8) Diethyl Ether	3.452	74	69416	45.309	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	148356	46.461	ug/l	100
10) Methyl Iodide	4.001	142	176157	47.649	ug/l	98
11) Tert butyl alcohol	4.885	59	35315	232.610	ug/l	97
12) 1,1-Dichloroethene	3.787	96	137386	46.160	ug/l	98
13) Acrolein	3.659	56	54699	200.739	ug/l	98
14) Allyl chloride	4.385	41	156917	45.279	ug/l	100
15) Acrylonitrile	5.061	53	135947	242.384	ug/l	99
16) Acetone	3.885	43	90641	250.445	ug/l	92
17) Carbon Disulfide	4.104	76	432123	45.535	ug/l	99
18) Methyl Acetate	4.385	43	76934	59.556	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	327980	49.235	ug/l	97
20) Methylene Chloride	4.610	84	155331	44.420	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	157441	47.234	ug/l	97
22) Diisopropyl ether	6.019	45	377603	48.962	ug/l	98
23) Vinyl Acetate	5.964	43	1003286	241.385	ug/l	100
24) 1,1-Dichloroethane	5.909	63	252882	47.305	ug/l	98
25) 2-Butanone	6.896	43	153361	243.287	ug/l	98
26) 2,2-Dichloropropane	6.878	77	225811	48.194	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	179708	48.217	ug/l	100
28) Bromochloromethane	7.244	49	102944	49.578	ug/l	96
29) Tetrahydrofuran	7.262	42	103696	253.279	ug/l	97
30) Chloroform	7.421	83	293401	49.480	ug/l	98
31) Cyclohexane	7.701	56	208408	45.589	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	259359	48.346	ug/l	99
36) 1,1-Dichloropropene	7.835	75	196371	50.518	ug/l	99
37) Ethyl Acetate	6.988	43	71080	50.914	ug/l	96
38) Carbon Tetrachloride	7.817	117	237962	51.231	ug/l	95
39) Methylcyclohexane	9.109	83	243490	49.776	ug/l	97
40) Benzene	8.079	78	627597	51.650	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	40144	52.602	ug/l	#	94
42) 1,2-Dichloroethane	8.158	62	157308	52.289	ug/l		100
43) Isopropyl Acetate	8.195	43	135943	50.705	ug/l		99
44) Trichloroethene	8.866	130	168626	50.102	ug/l		97
45) 1,2-Dichloropropane	9.140	63	140483	52.280	ug/l		98
46) Dibromomethane	9.231	93	90199	53.622	ug/l		99
47) Bromodichloromethane	9.420	83	222511	52.951	ug/l		100
48) Methyl methacrylate	9.219	41	67571	54.519	ug/l		97
49) 1,4-Dioxane	9.244	88	20304	1132.484	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	396361	282.021	ug/l		99
52) Toluene	10.170	92	413392	52.558	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	190828	52.943	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	225382	52.602	ug/l		100
55) 1,1,2-Trichloroethane	10.573	97	121699	54.162	ug/l		99
56) Ethyl methacrylate	10.438	69	140972	54.864	ug/l		99
57) 1,3-Dichloropropane	10.713	76	191332	53.116	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	357006	284.170	ug/l		99
59) 2-Hexanone	10.762	43	264777	285.628	ug/l		99
60) Dibromochloromethane	10.908	129	172741	55.529	ug/l		99
61) 1,2-Dibromoethane	11.012	107	116385	54.866	ug/l		99
64) Tetrachloroethene	10.646	164	178447	44.986	ug/l		98
65) Chlorobenzene	11.438	112	473007	50.303	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	171474	51.798	ug/l		99
67) Ethyl Benzene	11.518	91	783192	50.916	ug/l		100
68) m/p-Xylenes	11.627	106	644255	105.256	ug/l		98
69) o-Xylene	11.956	106	295659	52.408	ug/l		99
70) Styrene	11.969	104	510156	53.858	ug/l		100
71) Bromoform	12.133	173	103171	53.605	ug/l	#	99
73) Isopropylbenzene	12.255	105	762153	48.826	ug/l		99
74) N-amyl acetate	12.072	43	124788	46.530	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	136259	51.775	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	173888	86.890	ug/l	#	100
77) Bromobenzene	12.530	156	194904	49.414	ug/l		99
78) n-propylbenzene	12.597	91	918969	49.435	ug/l		99
79) 2-Chlorotoluene	12.682	91	527372	48.782	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	649159	50.473	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	41416	49.837	ug/l		99
82) 4-Chlorotoluene	12.780	91	555914	49.467	ug/l		99
83) tert-Butylbenzene	12.999	119	583678	50.602	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	662815	51.523	ug/l		100
85) sec-Butylbenzene	13.176	105	836912	49.583	ug/l		99
86) p-Isopropyltoluene	13.292	119	721392	50.332	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	400335	49.973	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	389223	49.057	ug/l		99
89) n-Butylbenzene	13.615	91	631593	49.300	ug/l		99
90) Hexachloroethane	13.883	117	153517	48.750	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	350321	50.137	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19842	47.389	ug/l		98
93) 1,2,4-Trichlorobenzene	14.919	180	199131	50.292	ug/l		99
94) Hexachlorobutadiene	15.023	225	119697	49.134	ug/l		99
95) Naphthalene	15.145	128	340679	51.796	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	175304	51.291	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

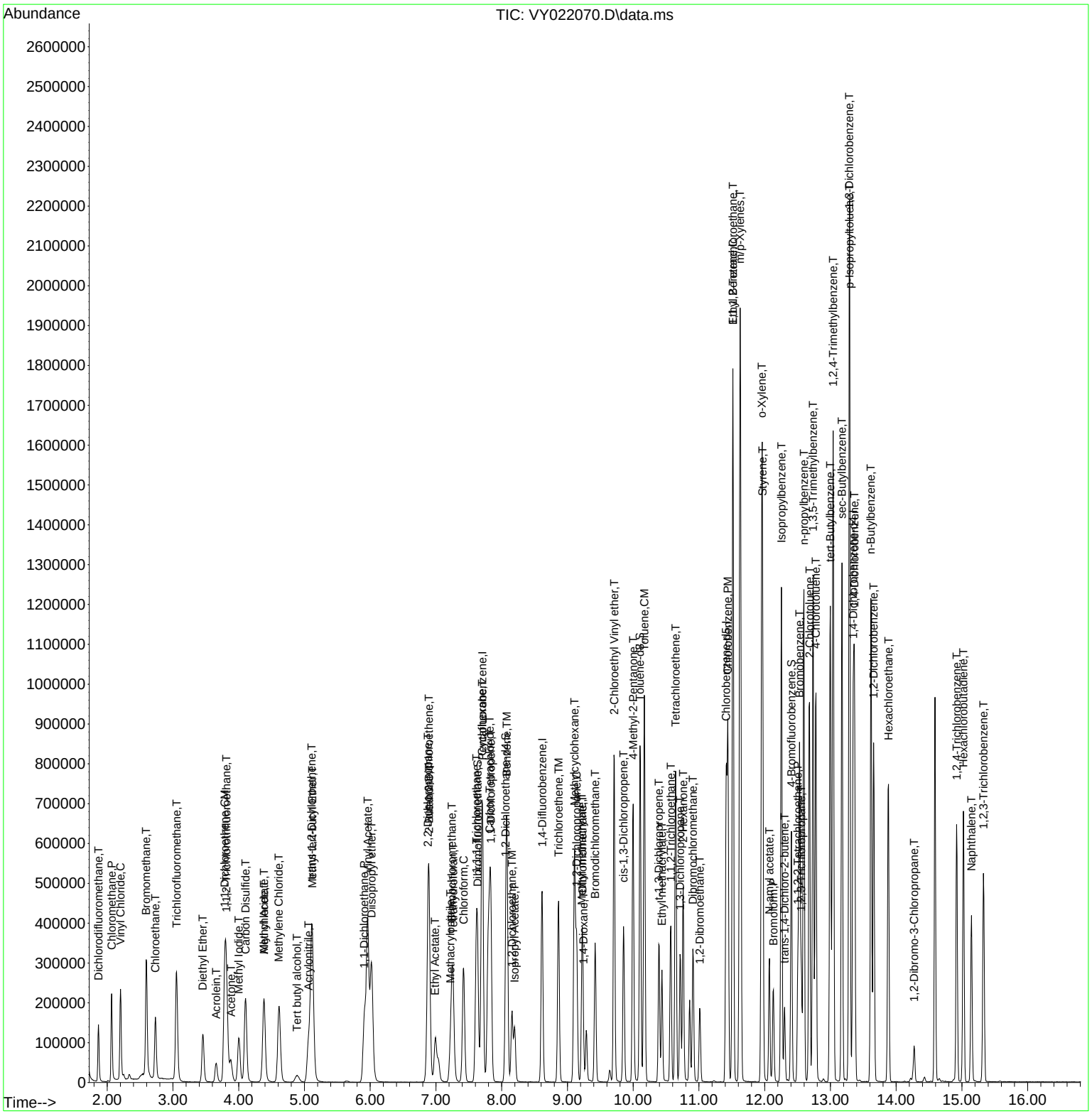
(#) = qualifier out of range (m) = manual integration (+) = signals summed

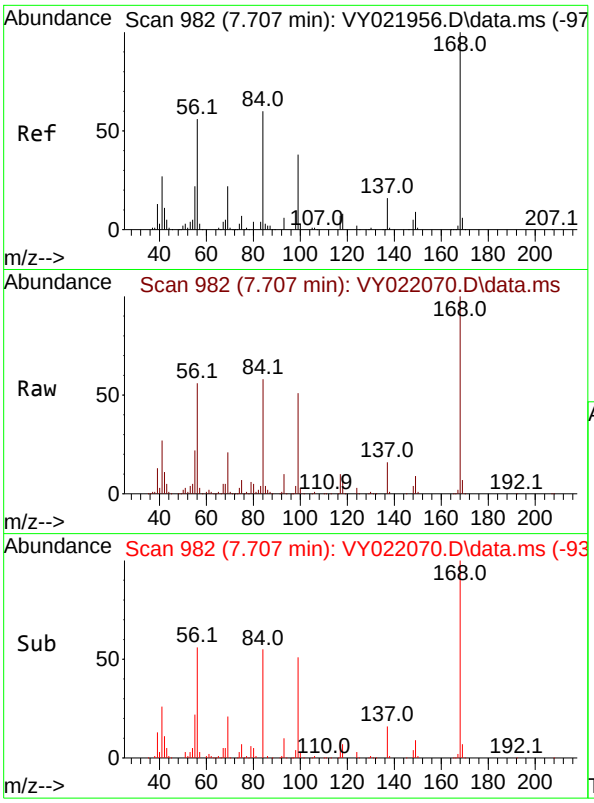
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022070.D
Acq On : 30 Apr 2025 09:20
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 01:30:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



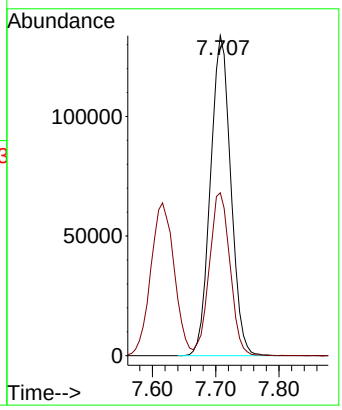


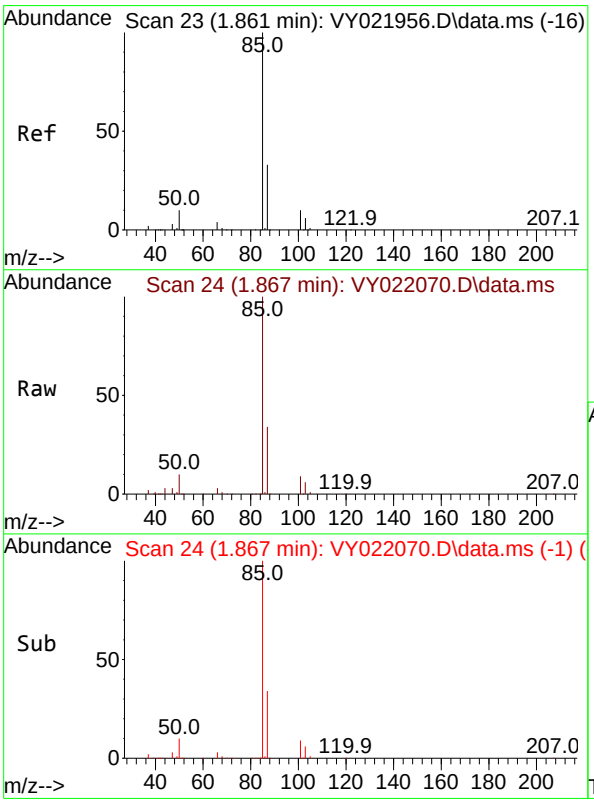
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 299393

Ion	Ratio	Lower	Upper
168	100		
99	50.9	43.1	64.7

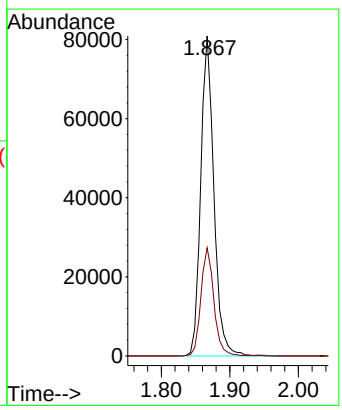


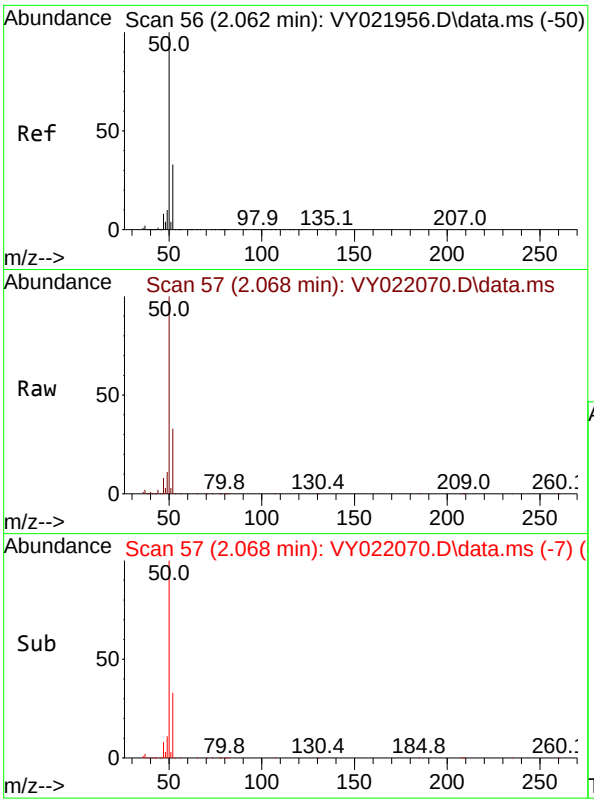


#2
Dichlorodifluoromethane
Concen: 42.366 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 85 Resp: 108081

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.6	49.7



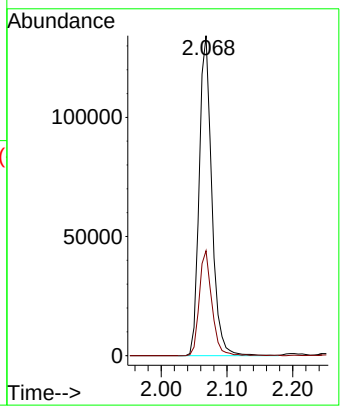


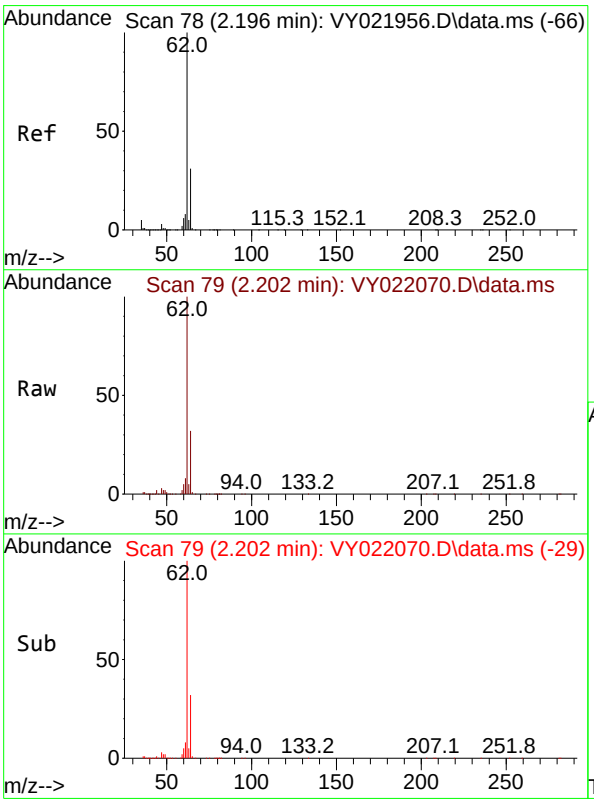
#3
Chloromethane
Concen: 49.217 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 178783

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1

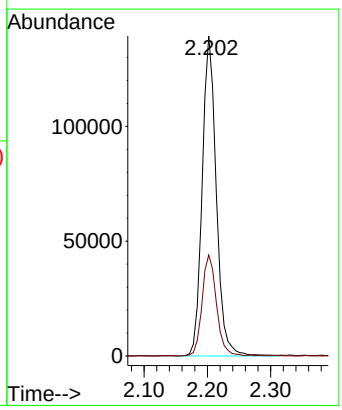


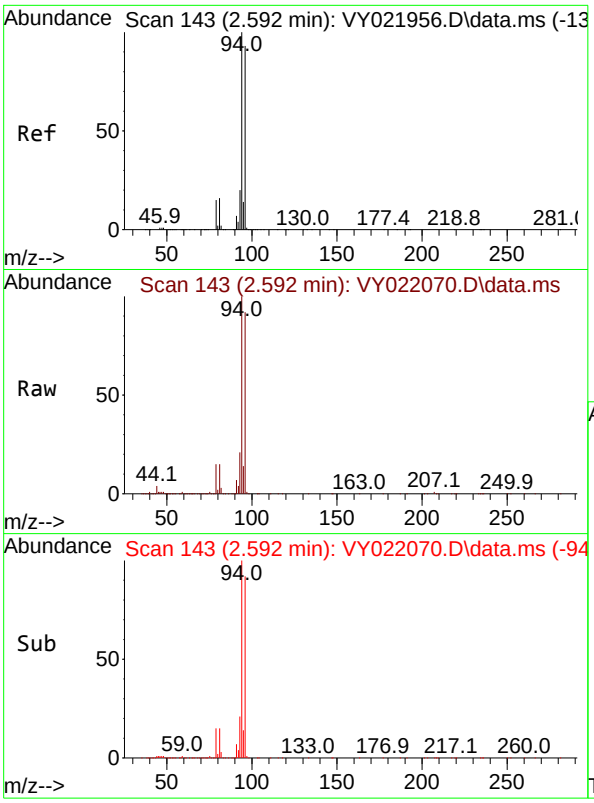


#4
Vinyl Chloride
Concen: 48.485 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 62 Resp: 216428

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.1	37.7



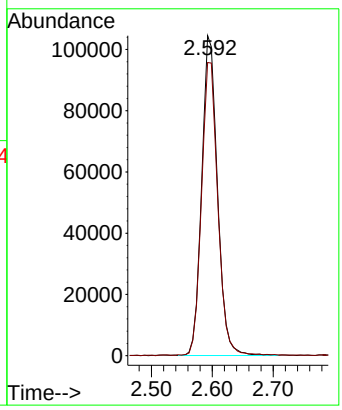


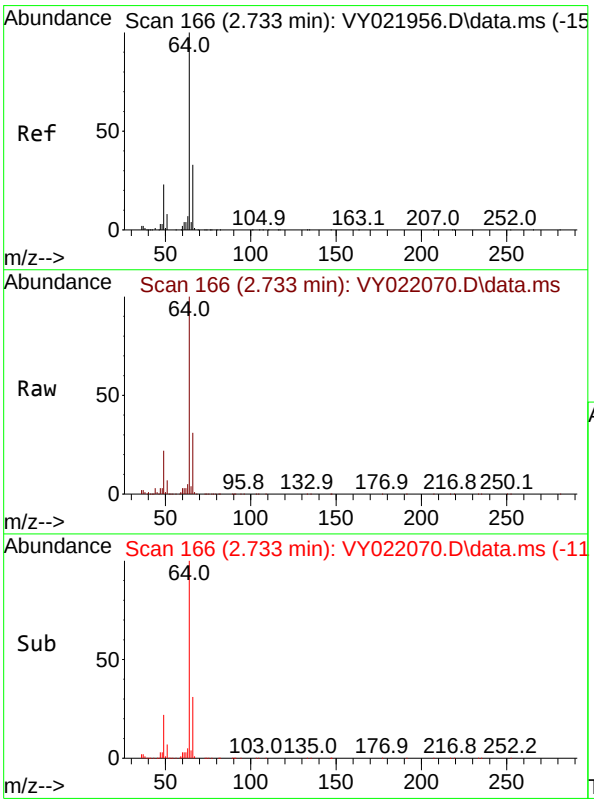
#5
Bromomethane
Concen: 48.836 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 187814

Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.6	111.8

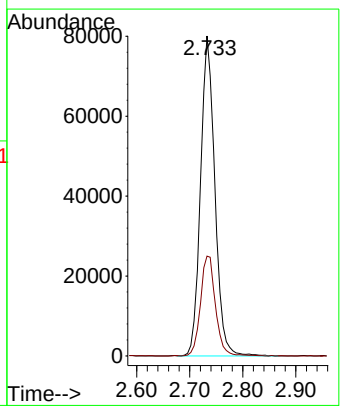


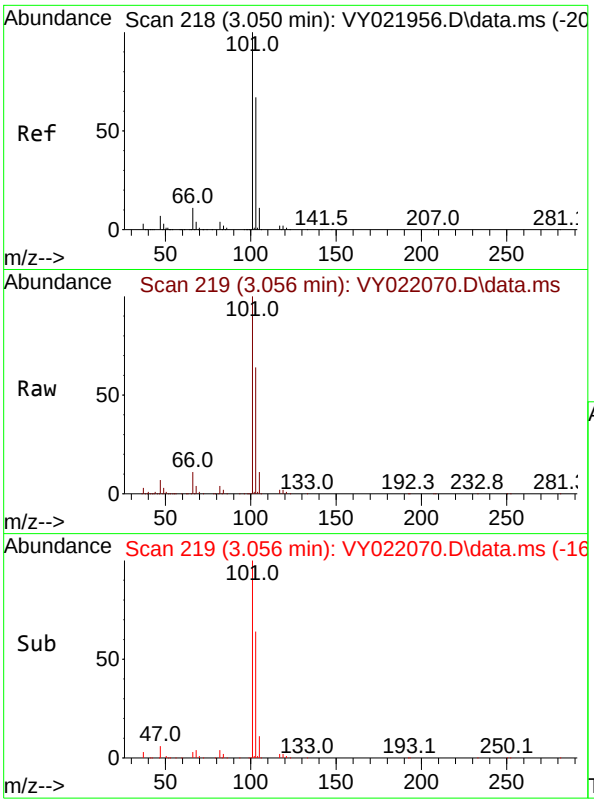


#6
Chloroethane
Concen: 49.426 ug/l
RT: 2.733 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 64 Resp: 150261

Ion	Ratio	Lower	Upper
64	100		
66	31.1	26.2	39.4



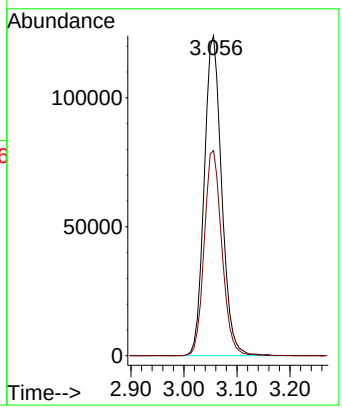


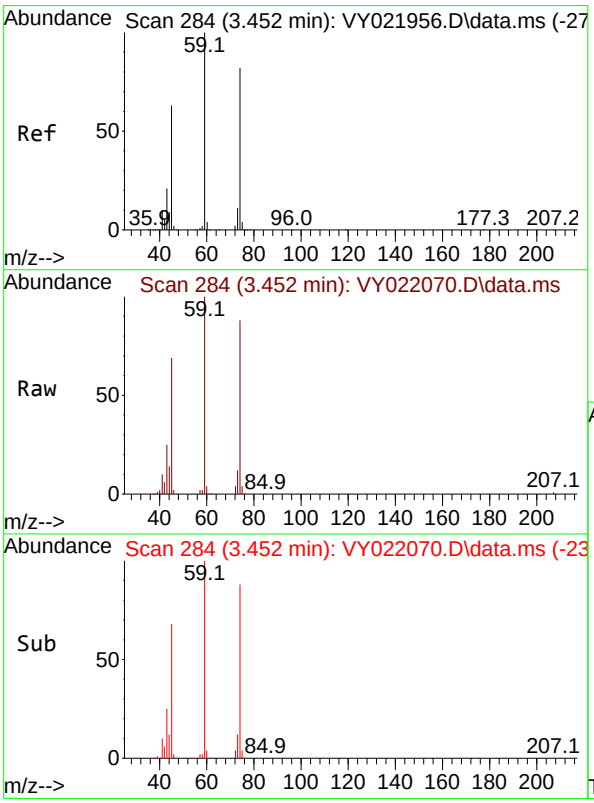
#7
Trichlorofluoromethane
Concen: 48.131 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 283309

Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.6	80.4

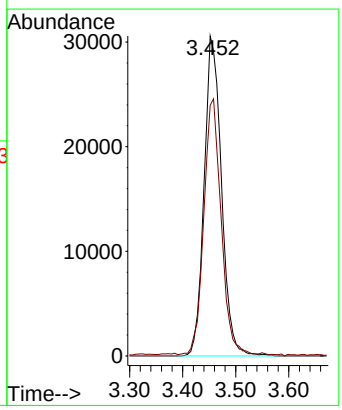


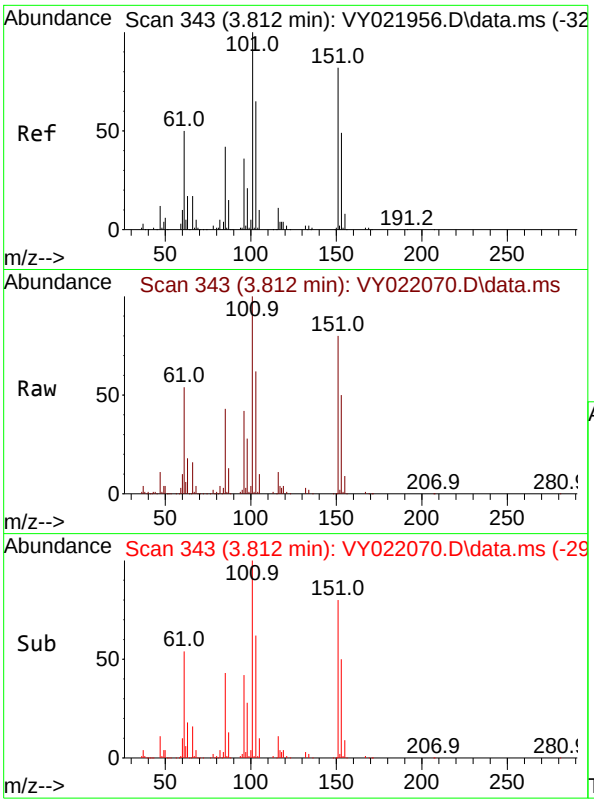


#8
Diethyl Ether
Concen: 45.309 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 74 Resp: 69416

Ion	Ratio	Lower	Upper
74	100		
45	79.9	39.1	117.5



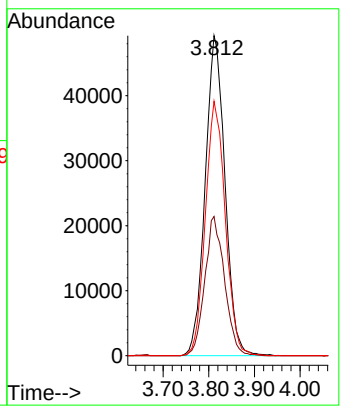


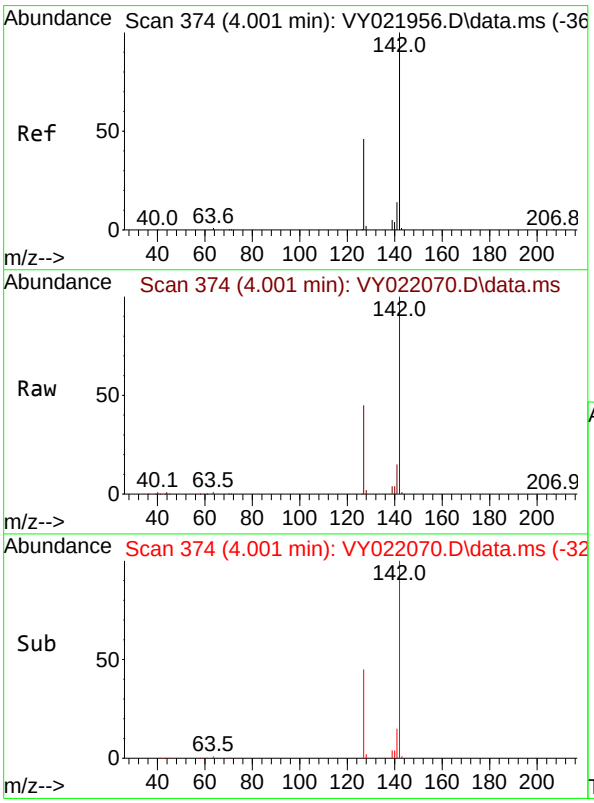
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.461 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 148356

Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.6	51.8
151	80.0	63.7	95.5

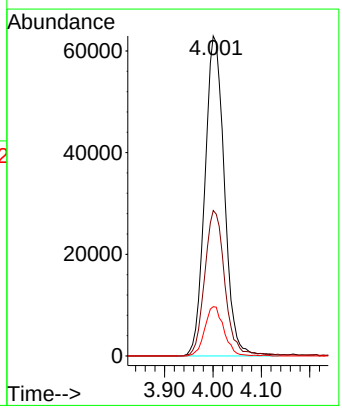


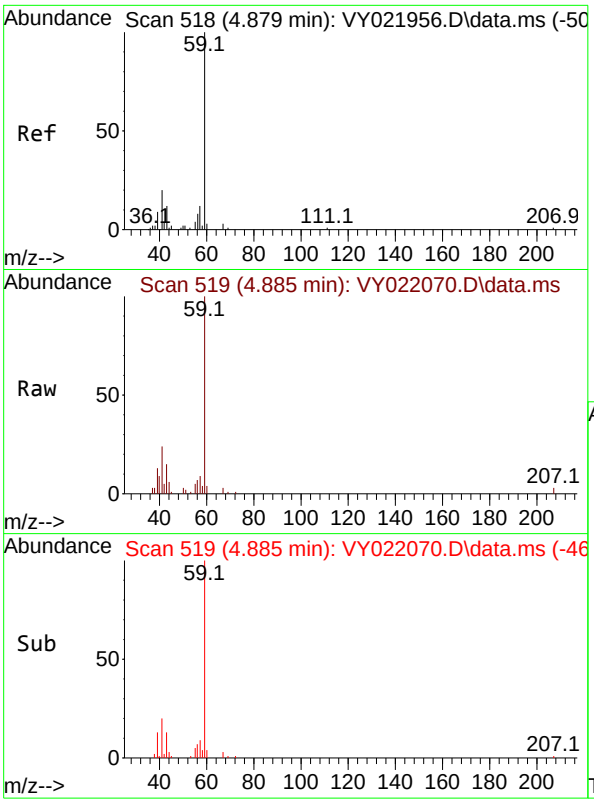


#10
Methyl Iodide
Concen: 47.649 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:142 Resp: 176157

Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.2	54.2
141	15.2	11.7	17.5



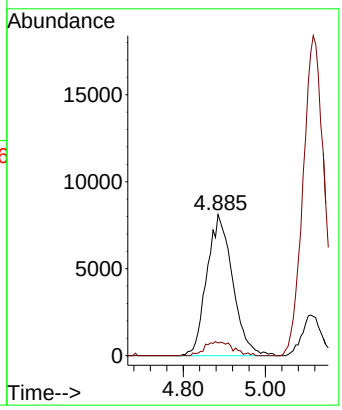


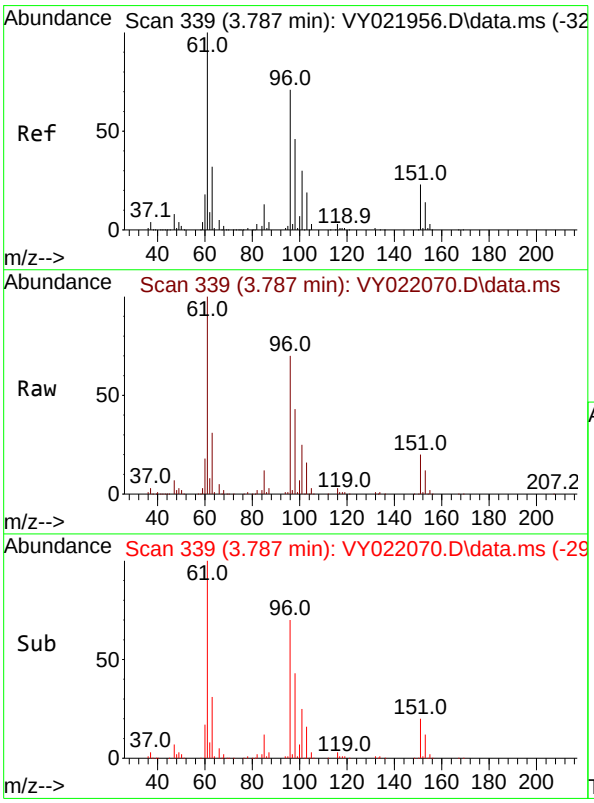
#11
Tert butyl alcohol
Concen: 232.610 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 35315

Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.3	13.9

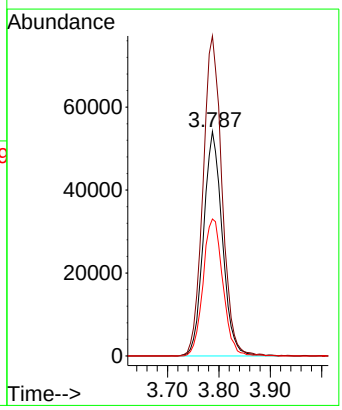


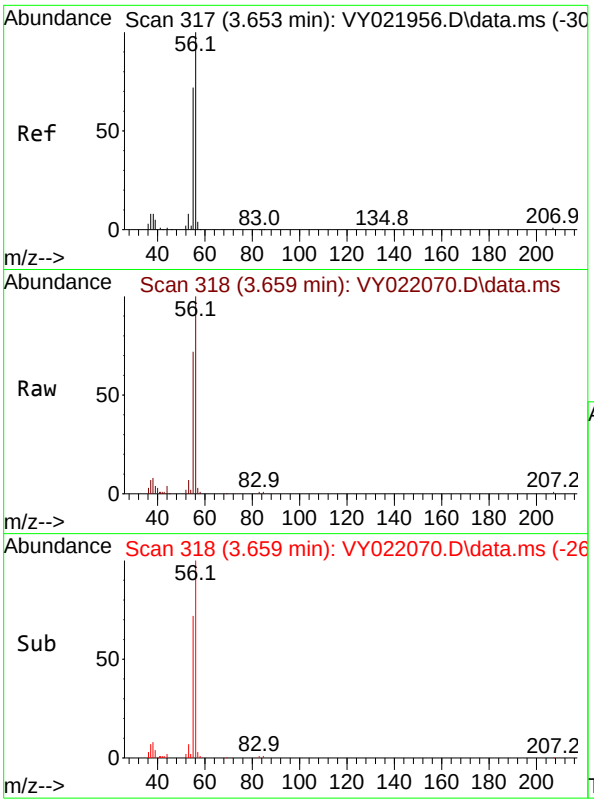


#12
1,1-Dichloroethene
Concen: 46.160 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 96 Resp: 137386

Ion	Ratio	Lower	Upper
96	100		
61	142.6	113.0	169.4
98	61.1	51.4	77.2



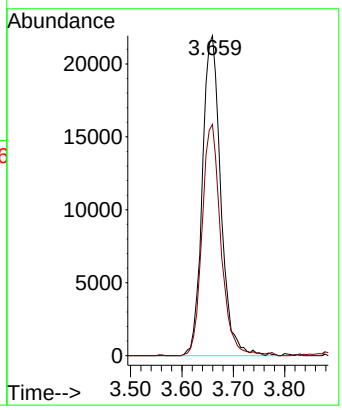


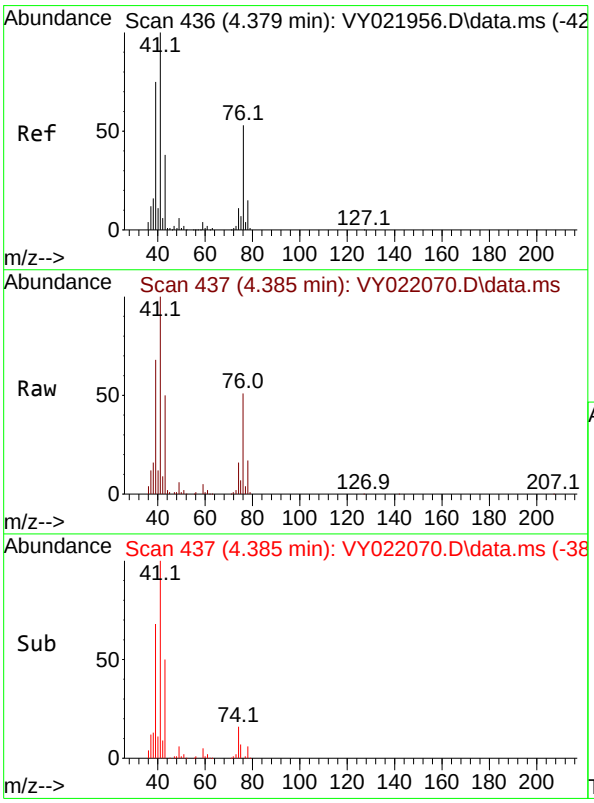
#13
Acrolein
Concen: 200.739 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 54699

Ion	Ratio	Lower	Upper
56	100		
55	73.3	57.4	86.0

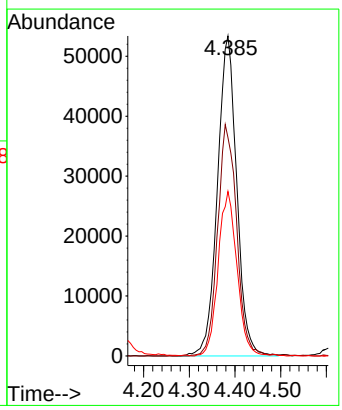


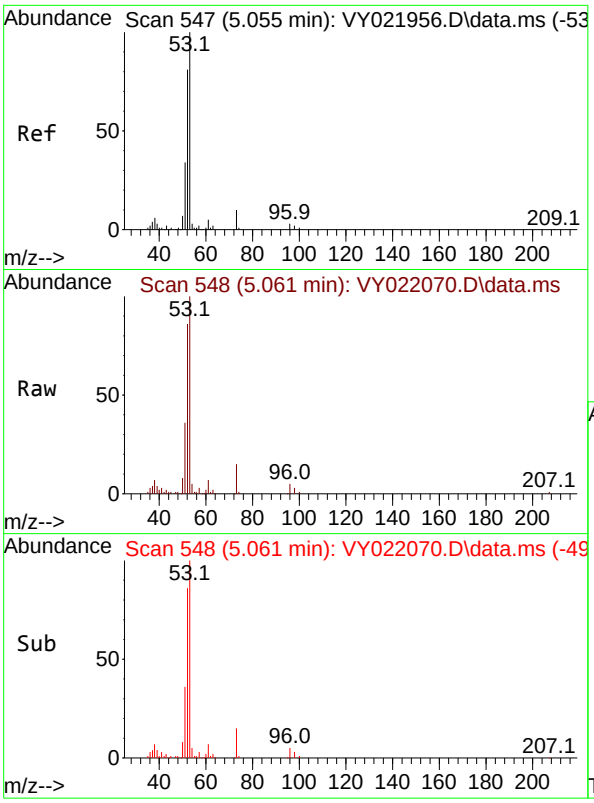


#14
Allyl chloride
Concen: 45.279 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 41 Resp: 156917

Ion	Ratio	Lower	Upper
41	100		
39	71.4	57.2	85.8
76	50.0	39.7	59.5



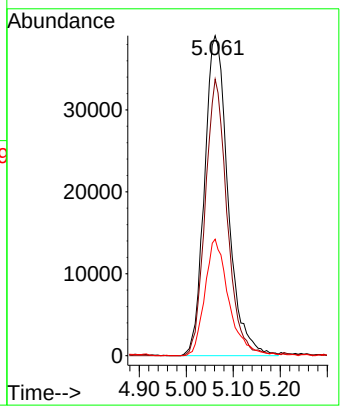


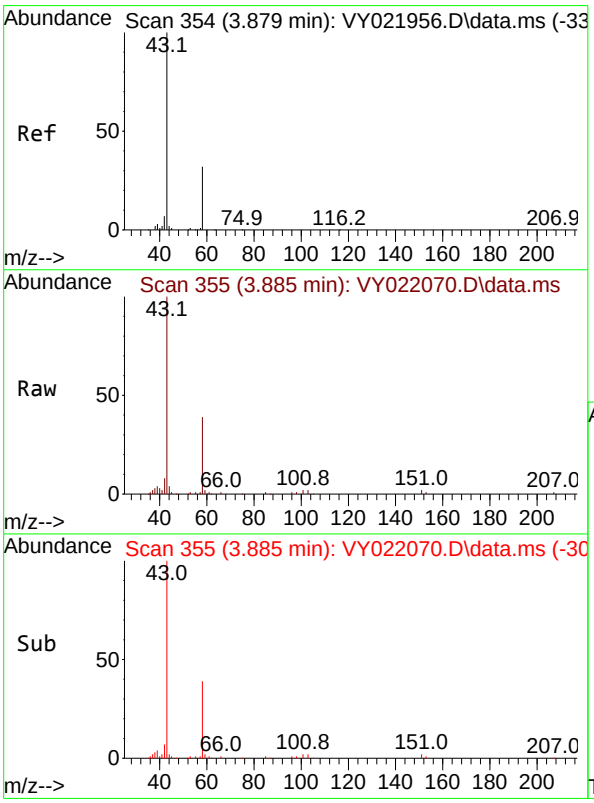
#15
Acrylonitrile
Concen: 242.384 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 135947

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	37.0	28.9	43.3

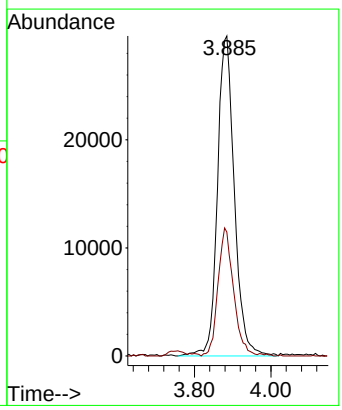


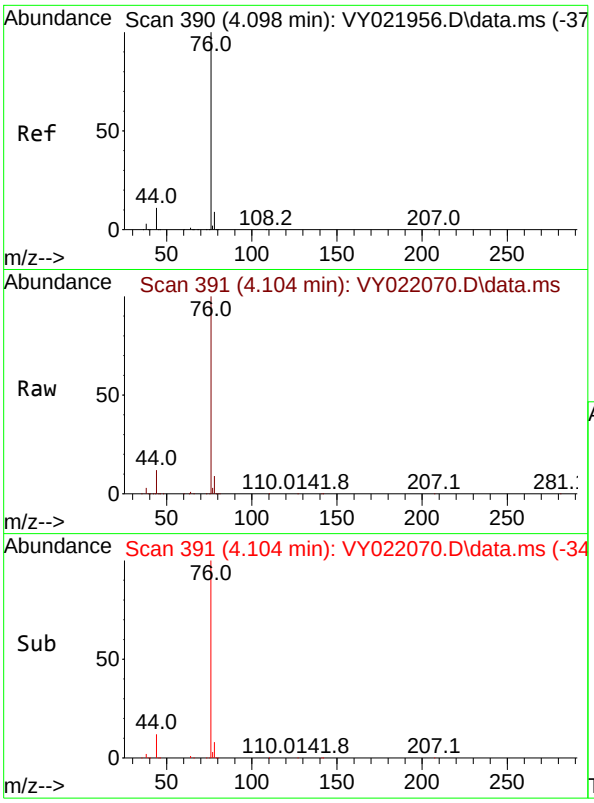


#16
Acetone
Concen: 250.445 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 90641

Ion	Ratio	Lower	Upper
43	100		
58	38.5	27.0	40.4



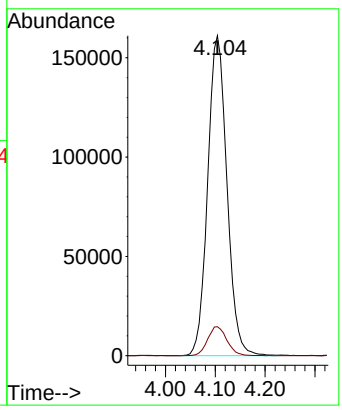


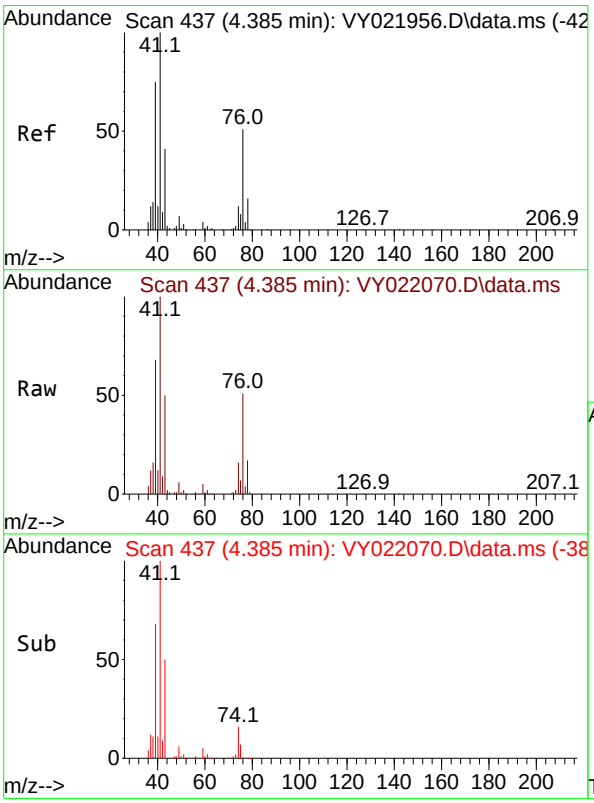
#17
Carbon Disulfide
Concen: 45.535 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 432123

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

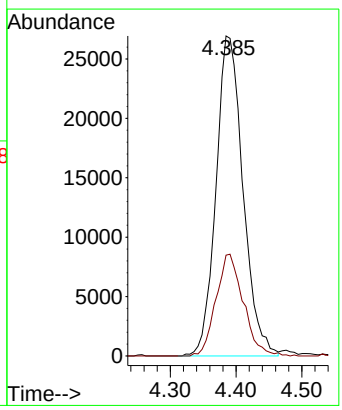


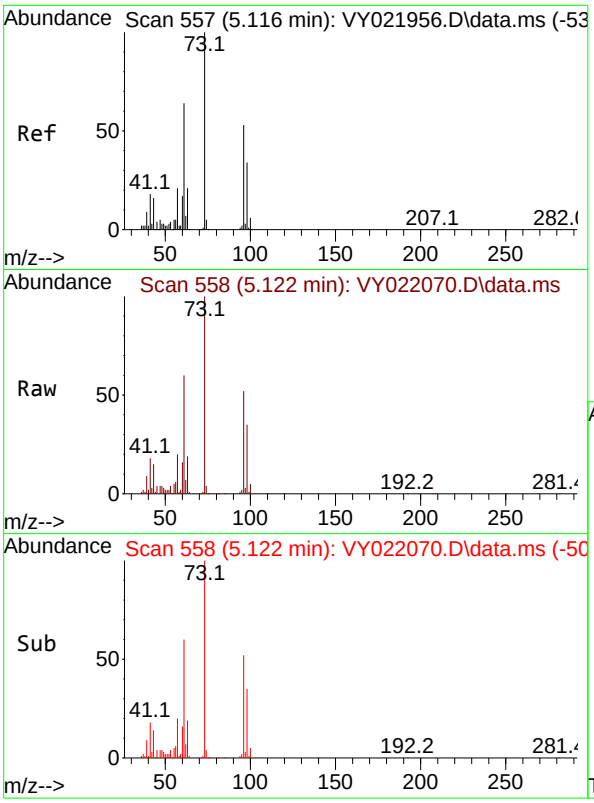


#18
Methyl Acetate
Concen: 59.556 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 76934

Ion	Ratio	Lower	Upper
43	100		
74	32.2	24.2	36.4



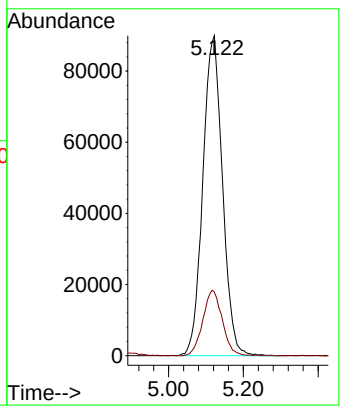


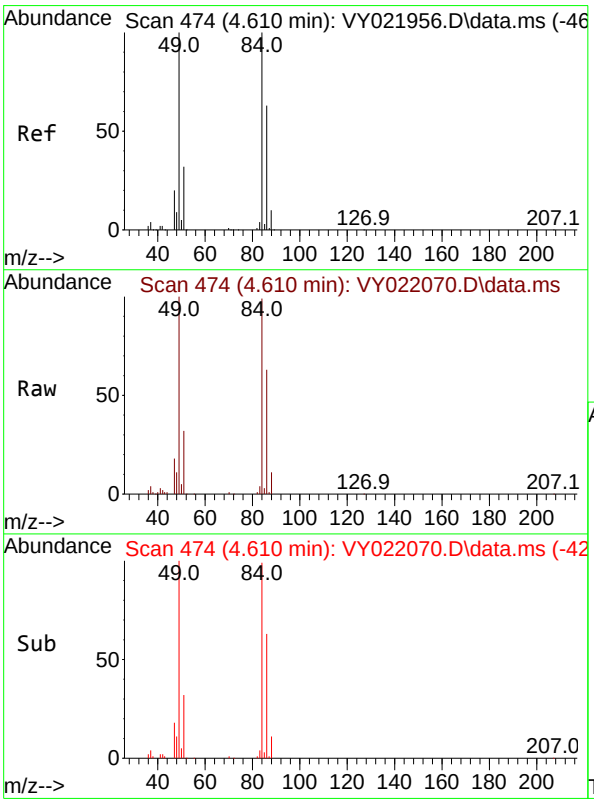
#19
Methyl tert-butyl Ether
Concen: 49.235 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 327980

Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.9	25.3

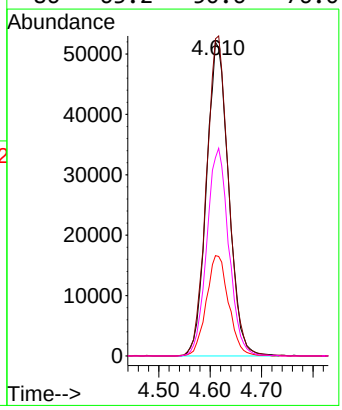


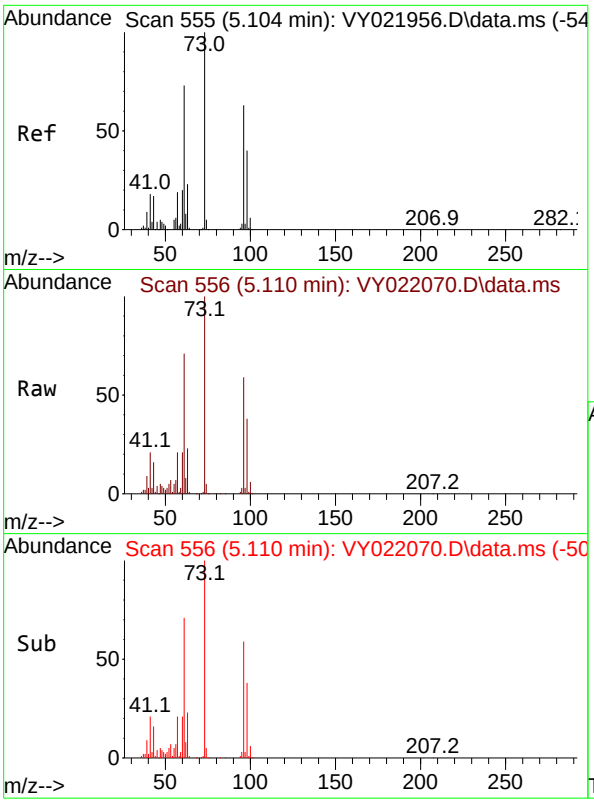


#20
Methylene Chloride
Concen: 44.420 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 84 Resp: 155331

Ion	Ratio	Lower	Upper
84	100		
49	100.9	79.9	119.9
51	32.0	25.4	38.0
86	63.2	50.6	76.0



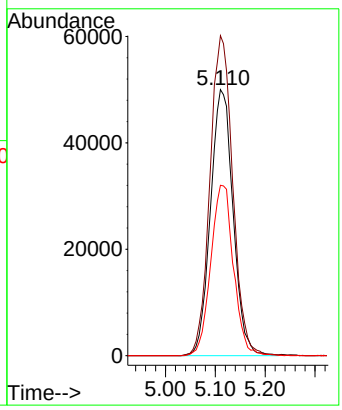


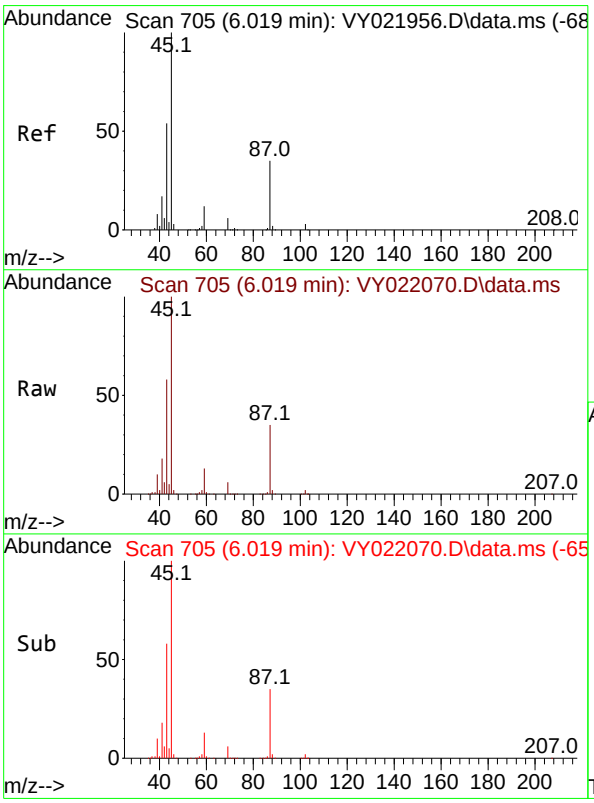
#21
trans-1,2-Dichloroethene
Concen: 47.234 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 157441

Ion	Ratio	Lower	Upper
96	100		
61	120.3	92.6	138.8
98	64.0	50.2	75.4

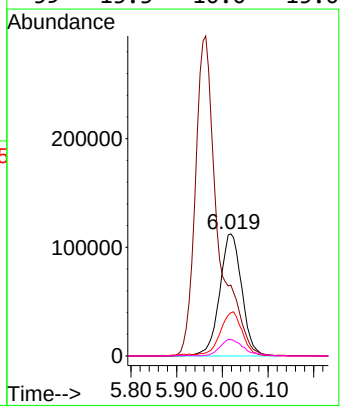


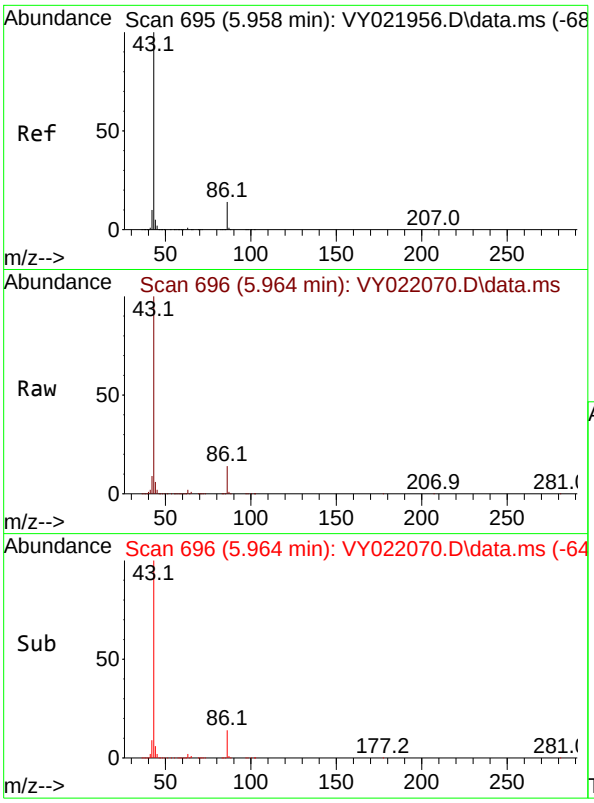


#22
Diisopropyl ether
Concen: 48.962 ug/l
RT: 6.019 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 45 Resp: 377603

Ion	Ratio	Lower	Upper
45	100		
43	57.5	43.6	65.4
87	35.3	28.2	42.4
59	13.3	10.0	15.0



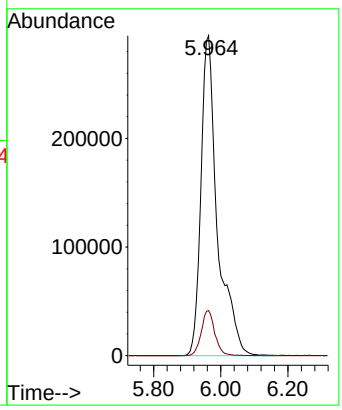


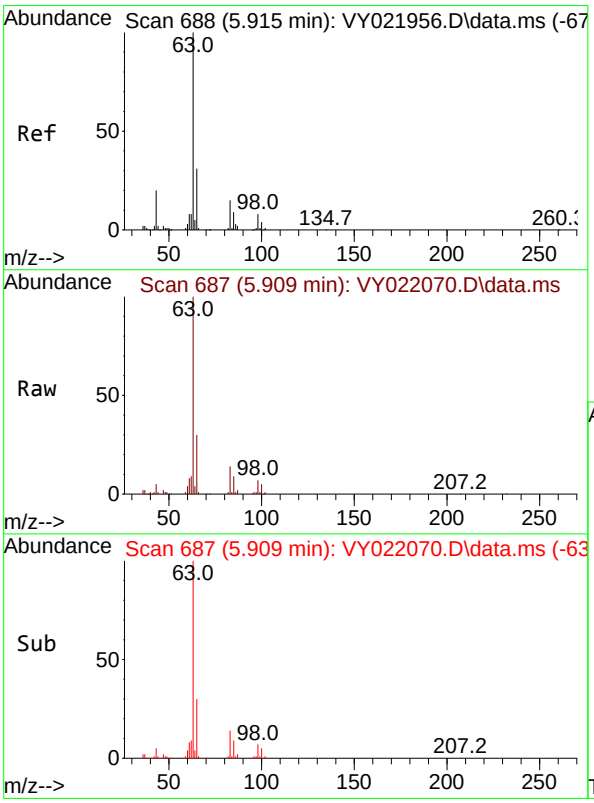
#23
Vinyl Acetate
Concen: 241.385 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1003286

Ion	Ratio	Lower	Upper
43	100		
86	14.1	11.1	16.7

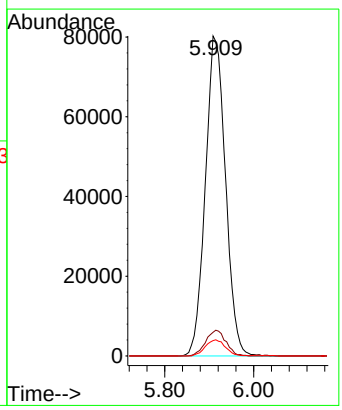


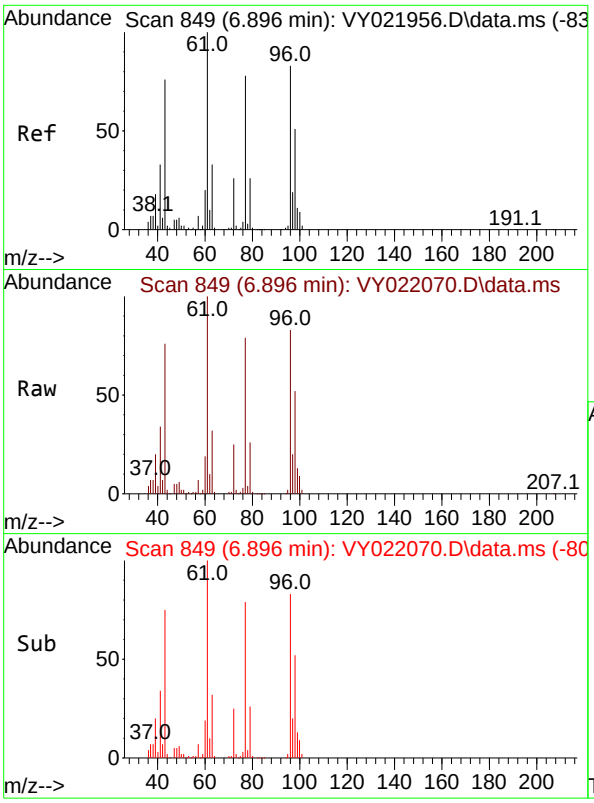


#24
1,1-Dichloroethane
Concen: 47.305 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 63 Resp: 252882

Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	11.9
100	4.8	2.0	6.0



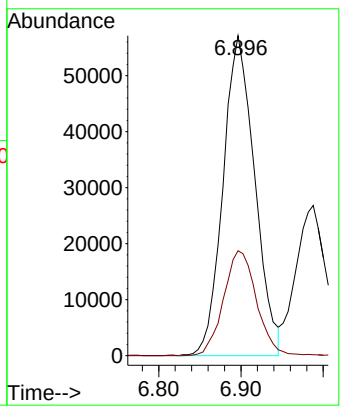


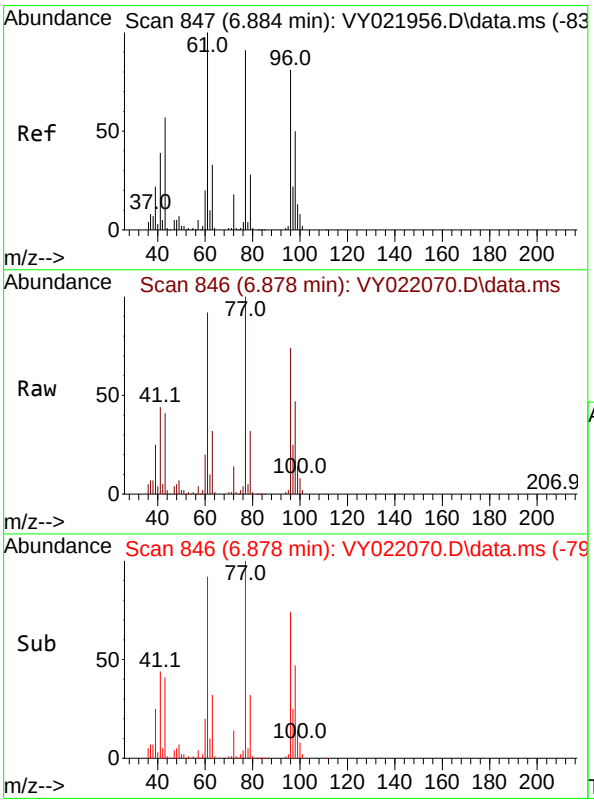
#25
2-Butanone
Concen: 243.287 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 153361

Ion	Ratio	Lower	Upper
43	100		
72	32.8	27.0	40.4

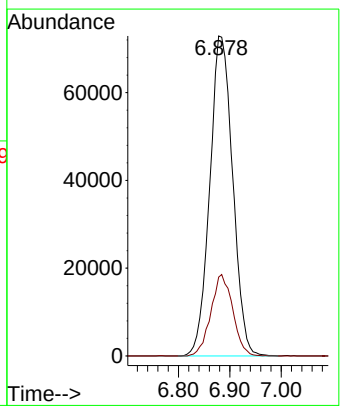


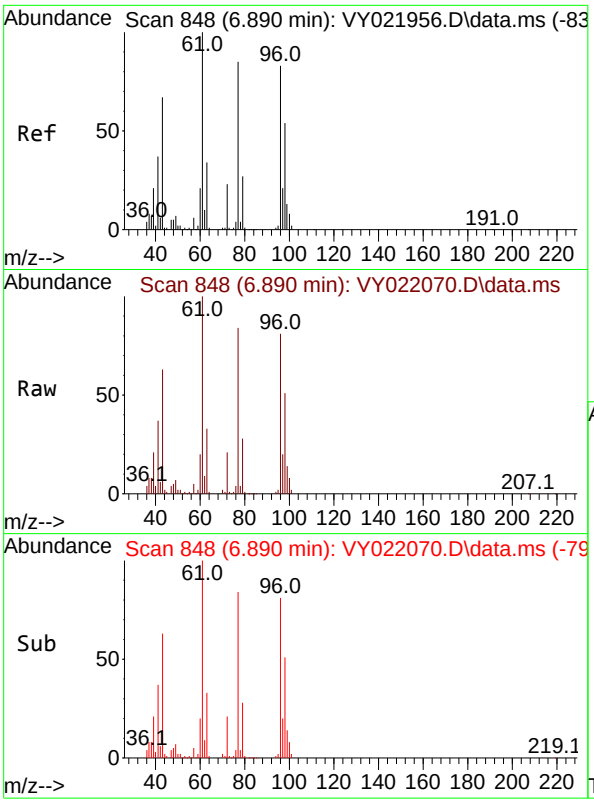


#26
2,2-Dichloropropane
Concen: 48.194 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 77 Resp: 225811

Ion	Ratio	Lower	Upper
77	100		
97	24.3	12.4	37.4



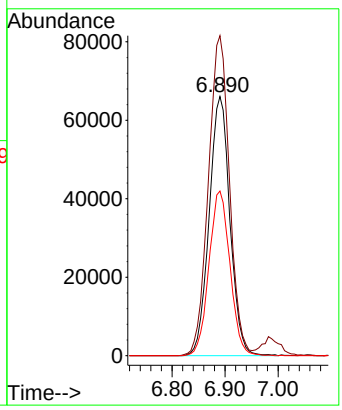


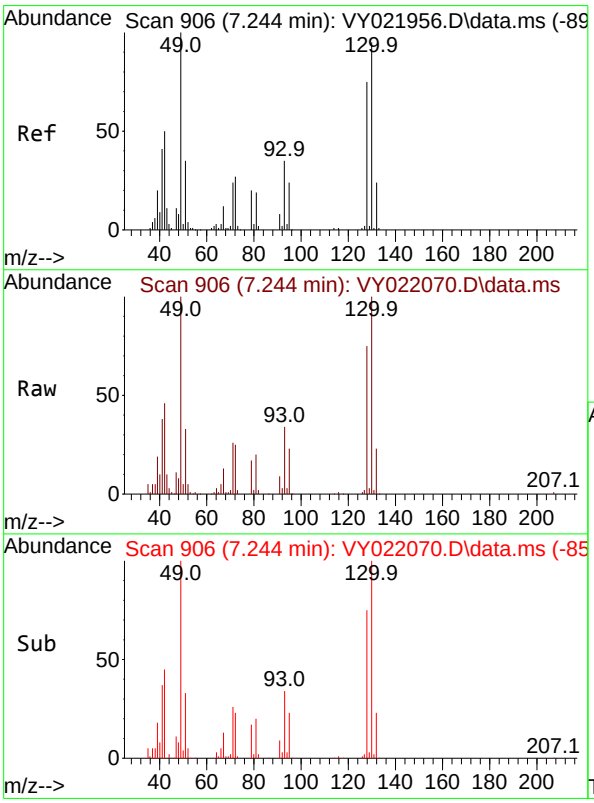
#27
cis-1,2-Dichloroethene
Concen: 48.217 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 179708

Ion	Ratio	Lower	Upper
96	100		
61	125.6	0.0	251.4
98	64.3	0.0	128.4

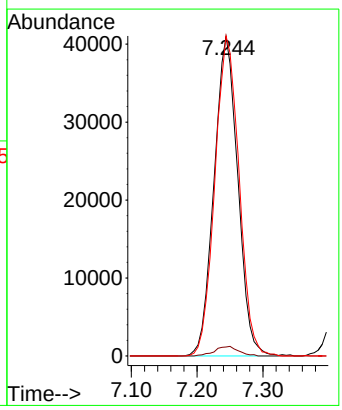


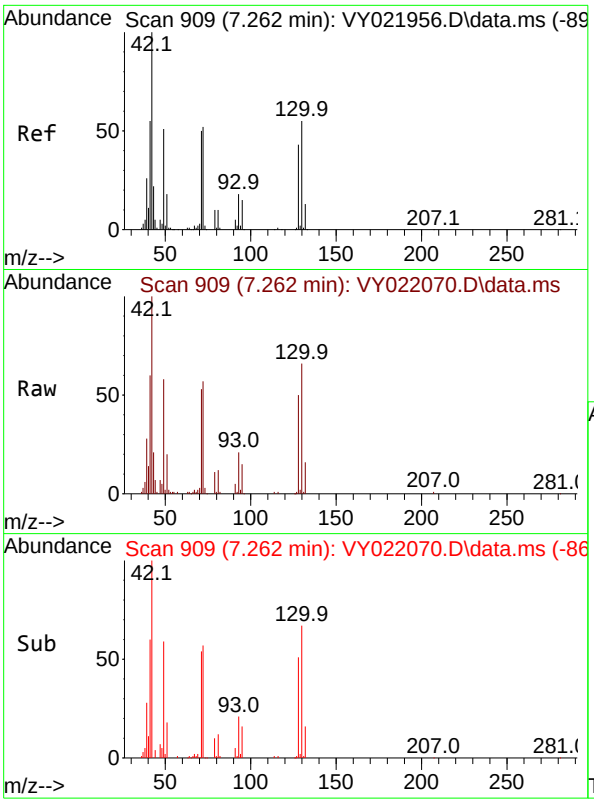


#28
Bromochloromethane
Concen: 49.578 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 49 Resp: 102944

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	101.8	78.2	117.4



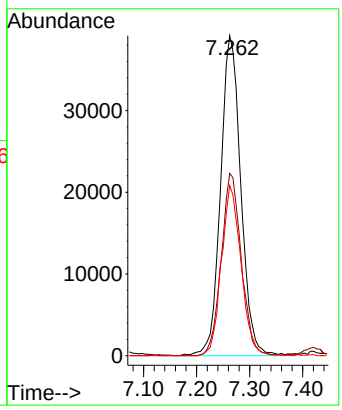


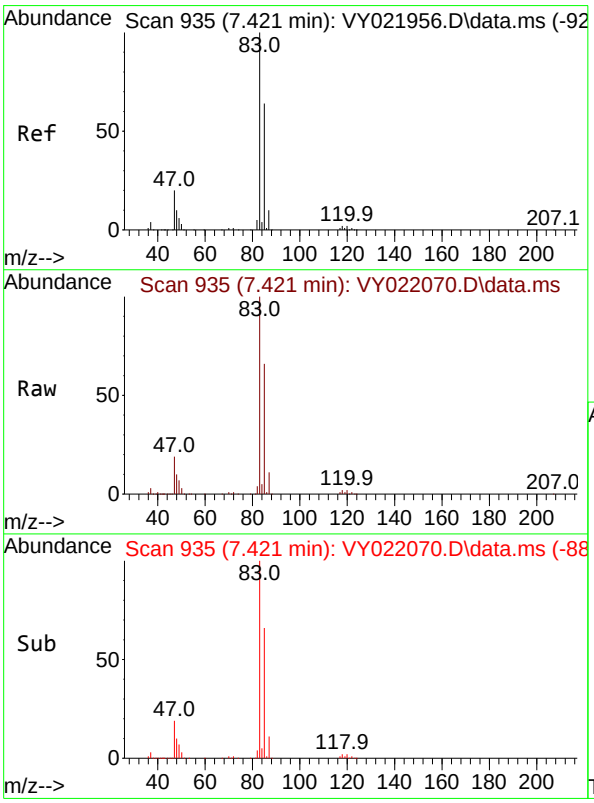
#29
Tetrahydrofuran
Concen: 253.279 ug/l
RT: 7.262 min Scan# 9(
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 103696

Ion	Ratio	Lower	Upper
42	100		
72	56.3	42.6	63.8
71	51.6	40.6	61.0

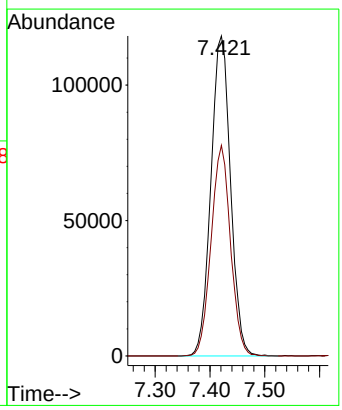


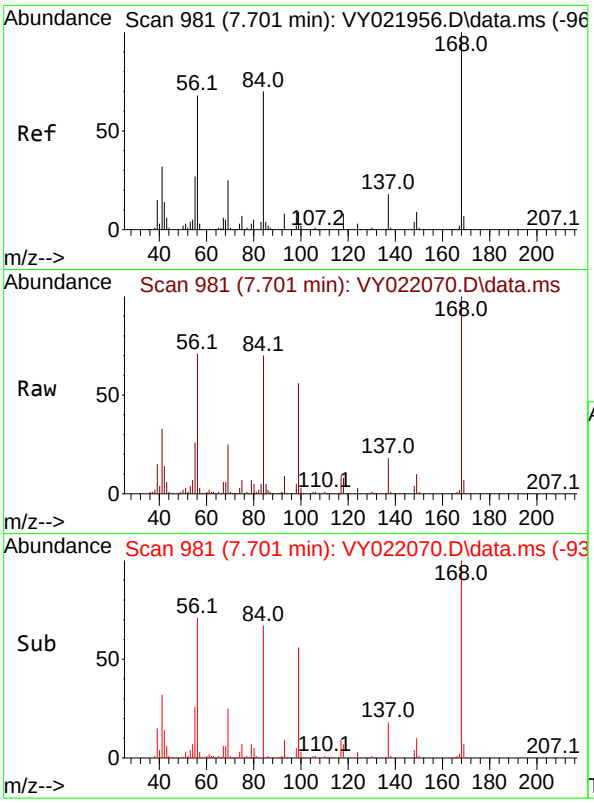


#30
Chloroform
Concen: 49.480 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 83 Resp: 293401

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9



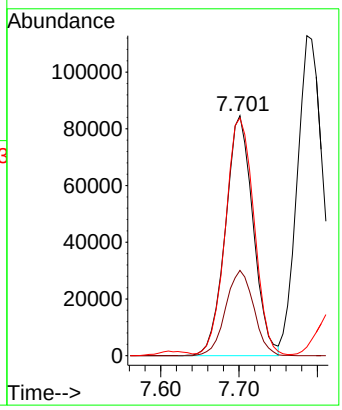


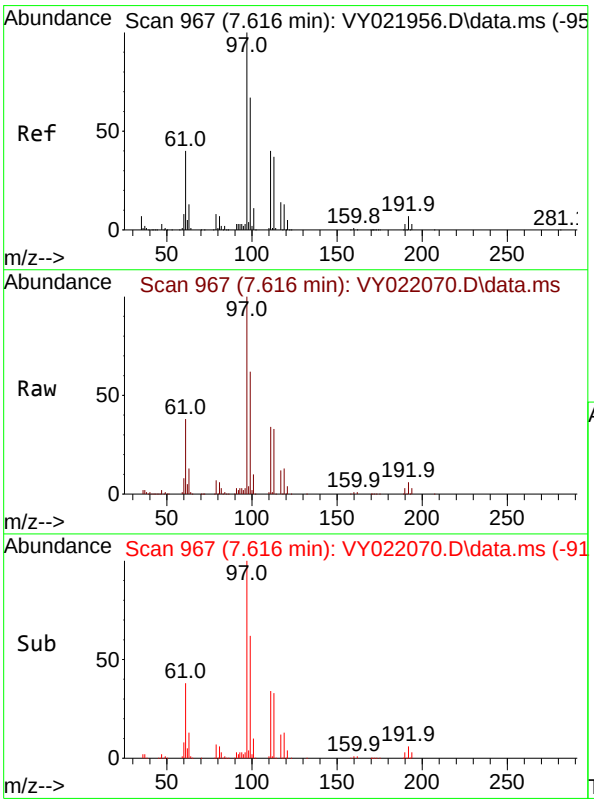
#31
Cyclohexane
Concen: 45.589 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 208408

Ion	Ratio	Lower	Upper
56	100		
69	35.6	29.4	44.2
84	97.3	82.2	123.4

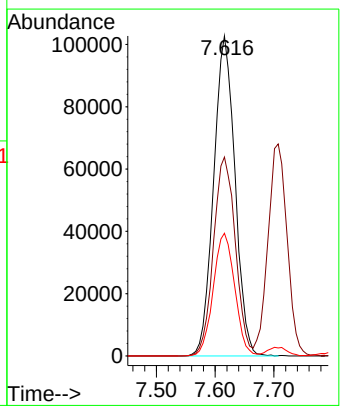


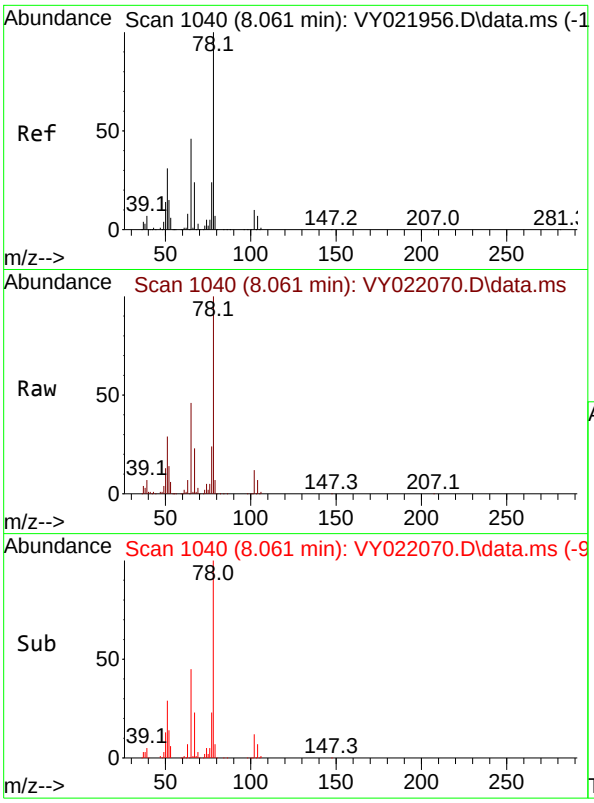


#32
1,1,1-Trichloroethane
Concen: 48.346 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 97 Resp: 259359

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	38.7	31.4	47.2



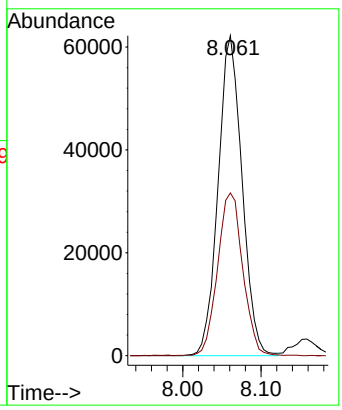


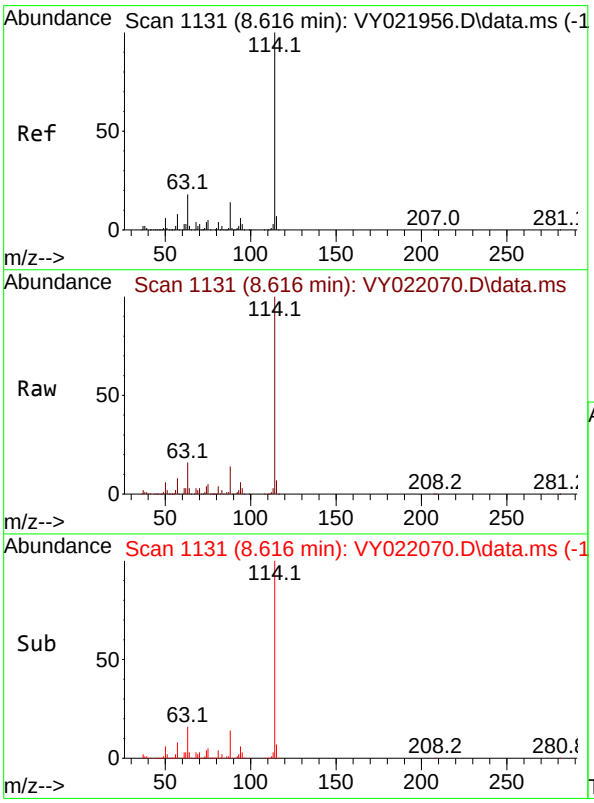
#33
1,2-Dichloroethane-d4
Concen: 47.797 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 132181

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8

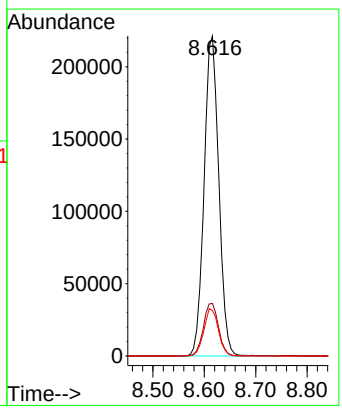


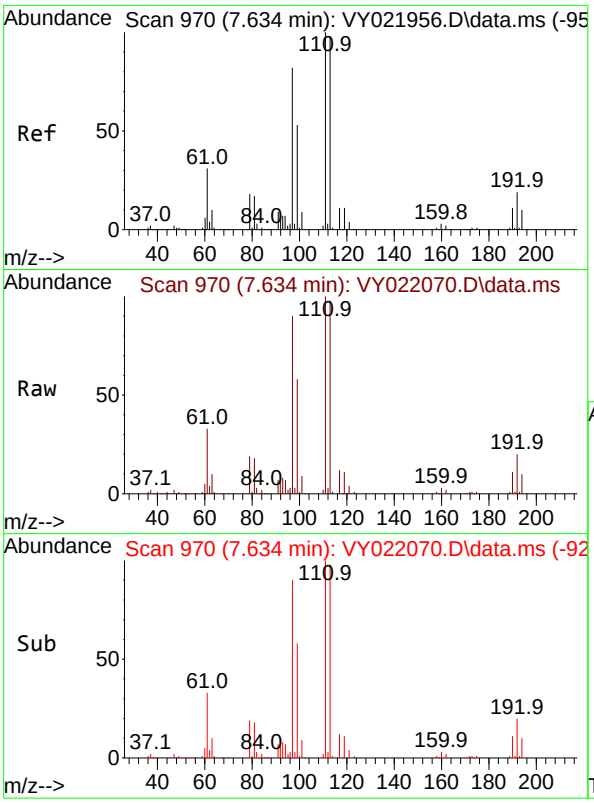


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:114 Resp: 438020

Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	35.4
88	14.2	0.0	28.2



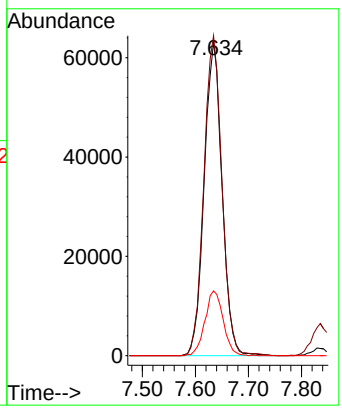


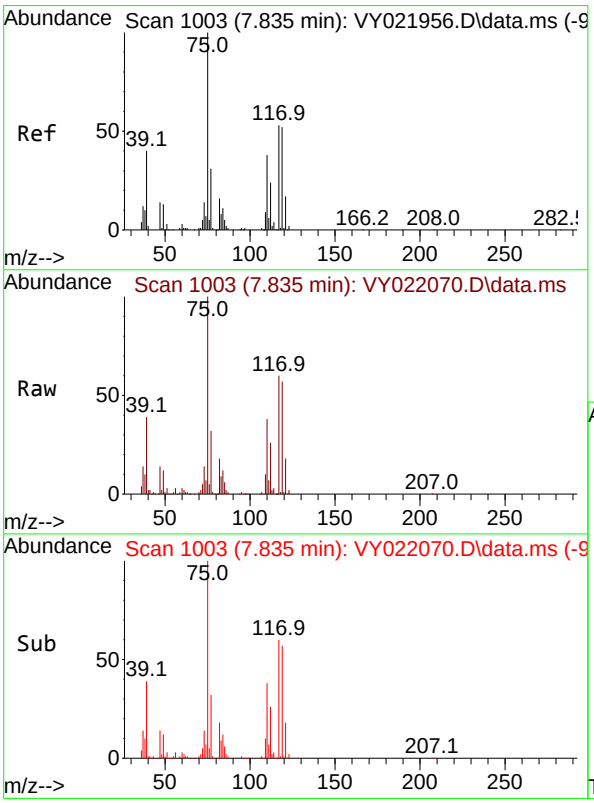
#35
Dibromofluoromethane
Concen: 51.071 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 147788

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	21.1	15.6	23.4

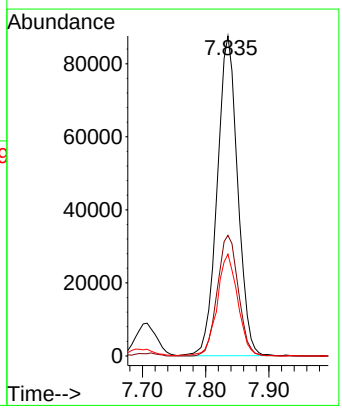


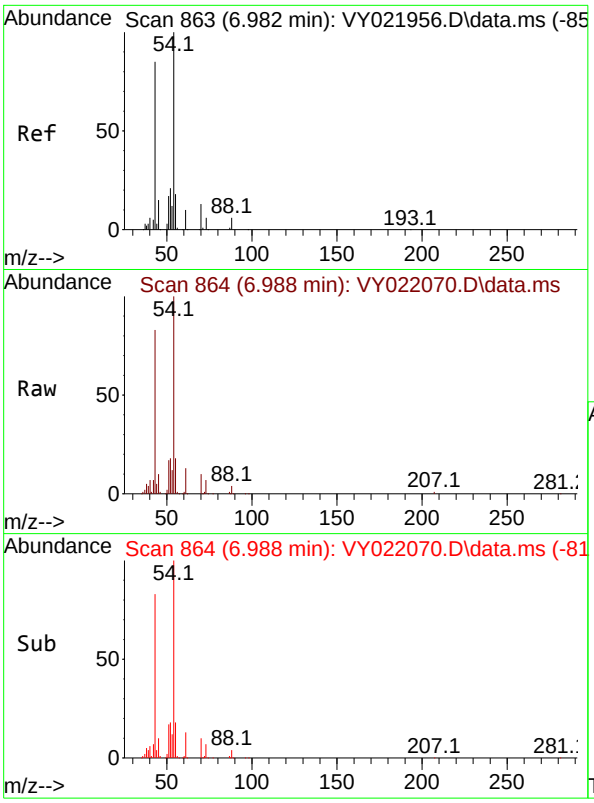


#36
1,1-Dichloropropene
Concen: 50.518 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 196371

Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.1	57.3
77	32.2	25.5	38.3



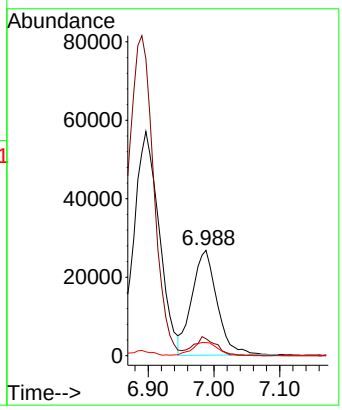


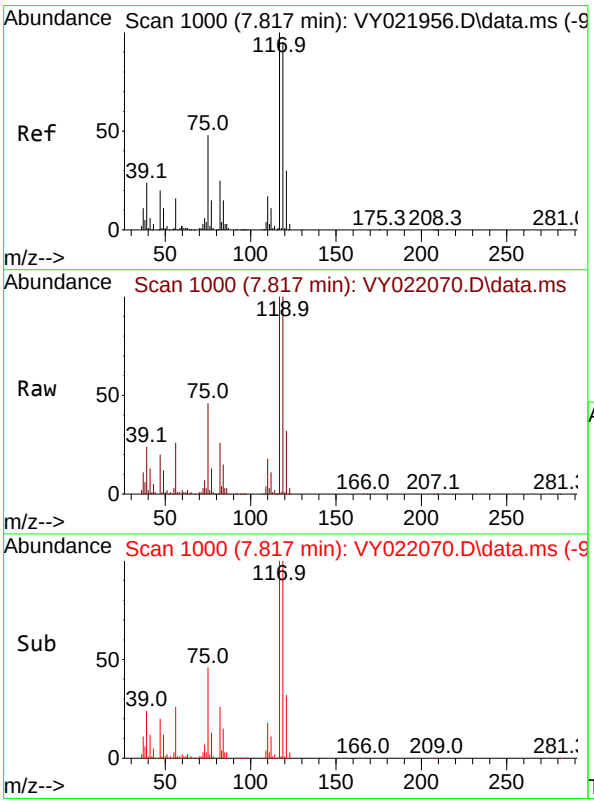
#37
Ethyl Acetate
Concen: 50.914 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 71080

Ion	Ratio	Lower	Upper
43	100		
61	15.6	13.8	20.6
70	13.1	9.2	13.8

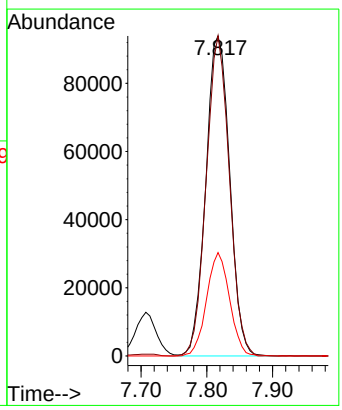


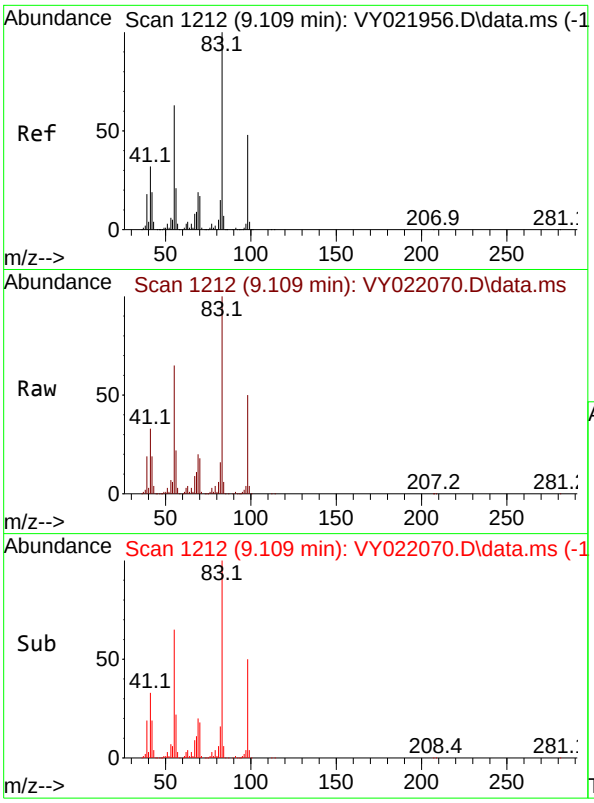


#38
Carbon Tetrachloride
Concen: 51.231 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:117 Resp: 237962

Ion	Ratio	Lower	Upper
117	100		
119	100.0	76.2	114.4
121	32.3	24.0	36.0



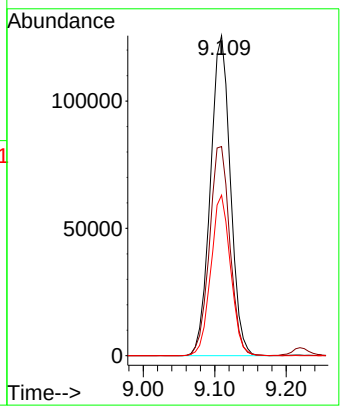


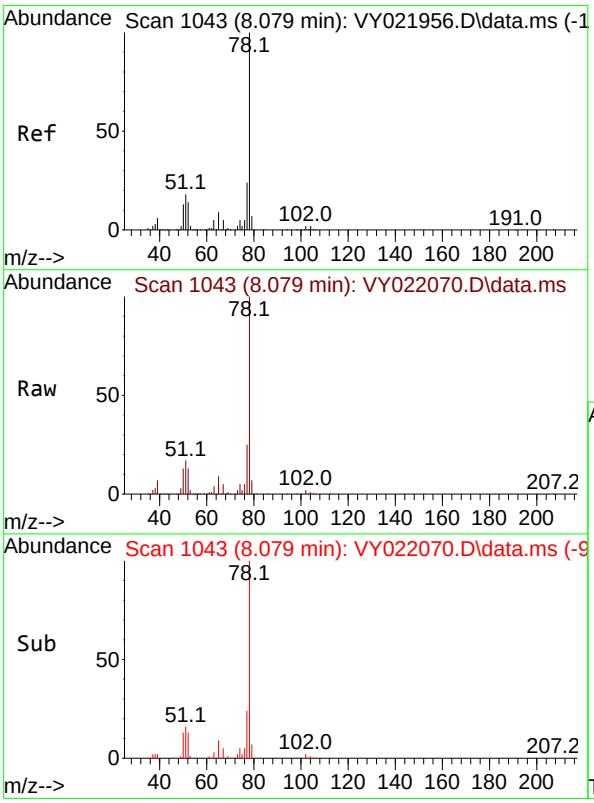
#39
Methylcyclohexane
Concen: 49.776 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 243490

Ion	Ratio	Lower	Upper
83	100		
55	65.3	50.6	75.8
98	50.2	38.6	58.0

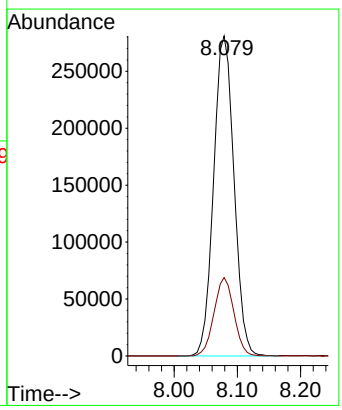


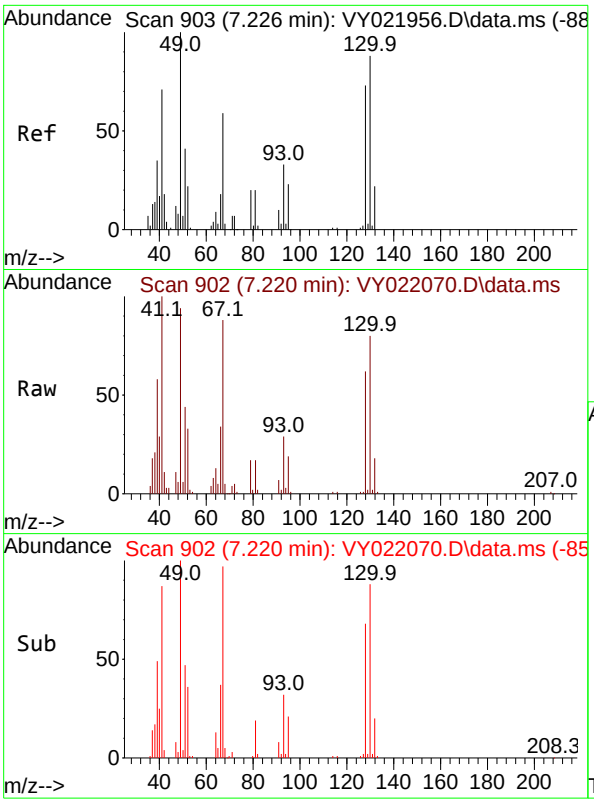


#40
Benzene
Concen: 51.650 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 78 Resp: 627597

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9



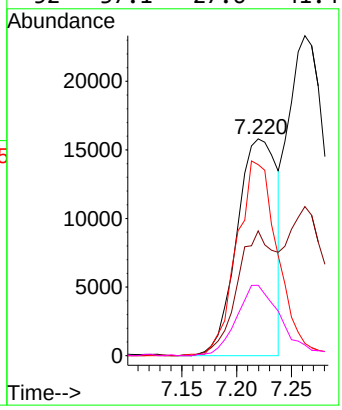


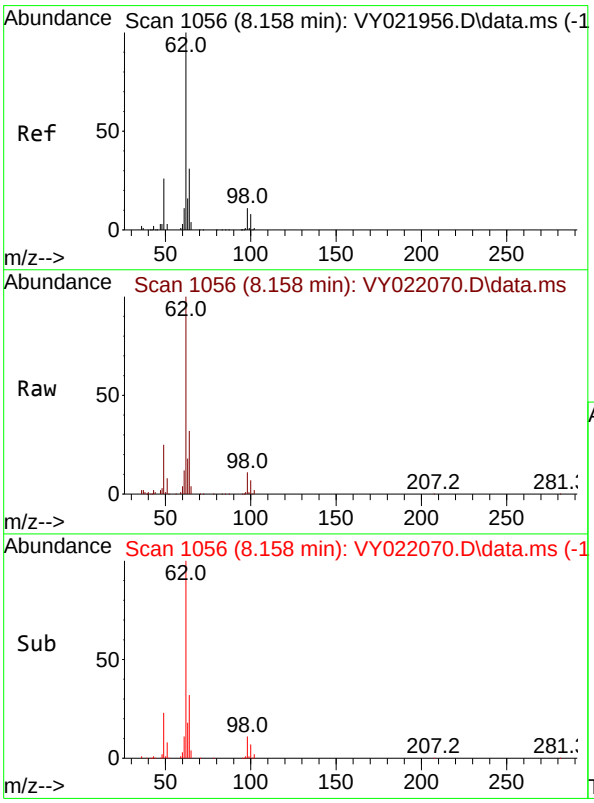
#41
Methacrylonitrile
Concen: 52.602 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 40144

Ion	Ratio	Lower	Upper
41	100		
39	55.4	36.6	55.0#
67	93.0	72.2	108.4
52	37.1	27.6	41.4

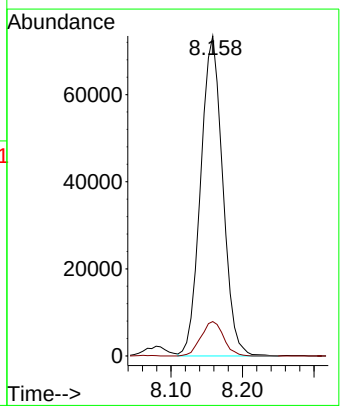


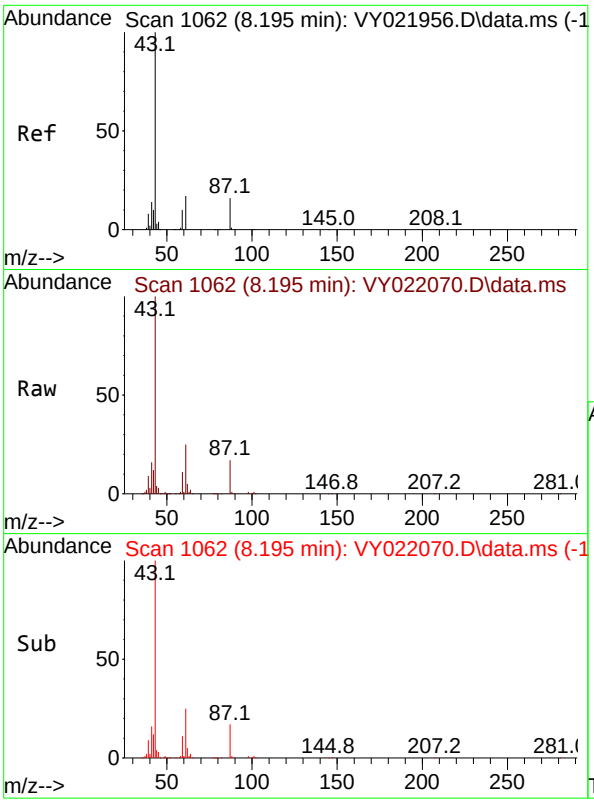


#42
1,2-Dichloroethane
Concen: 52.289 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 62 Resp: 157308

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0



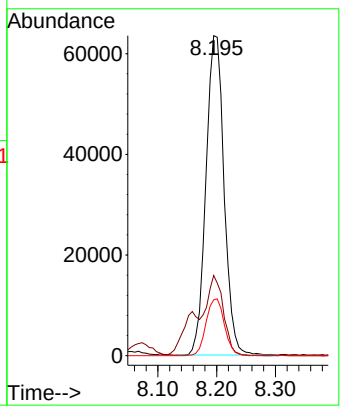


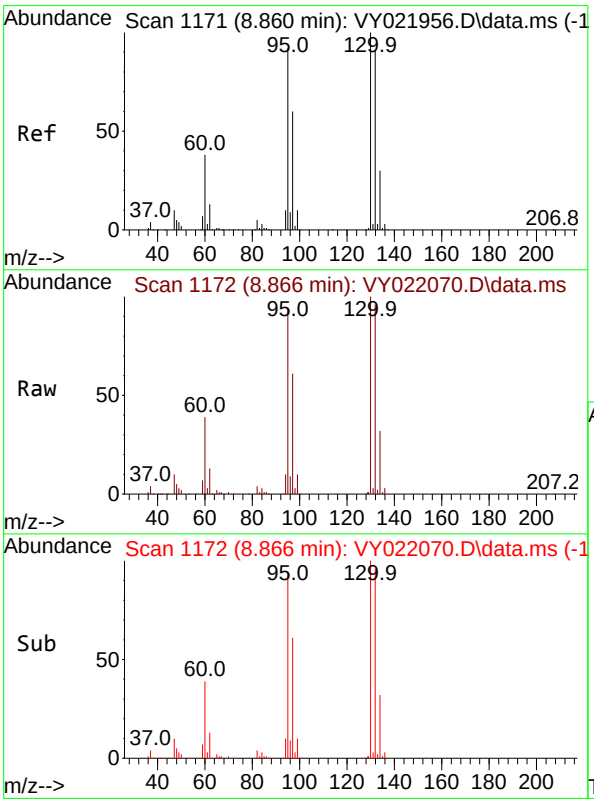
#43
Isopropyl Acetate
Concen: 50.705 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 135943

Ion	Ratio	Lower	Upper
43	100		
61	24.1	18.9	28.3
87	18.0	13.7	20.5

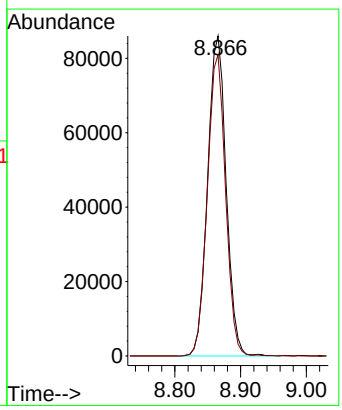


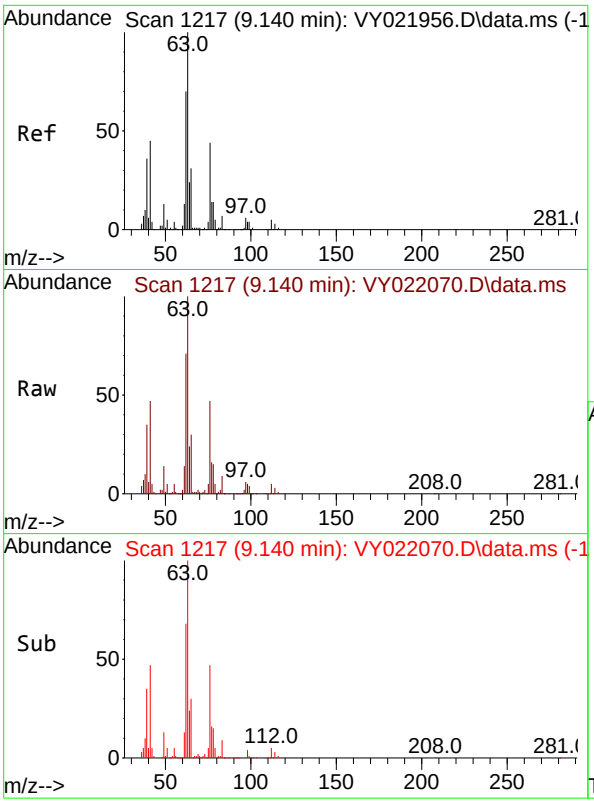


#44
Trichloroethene
Concen: 50.102 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:130 Resp: 168626

Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	183.2





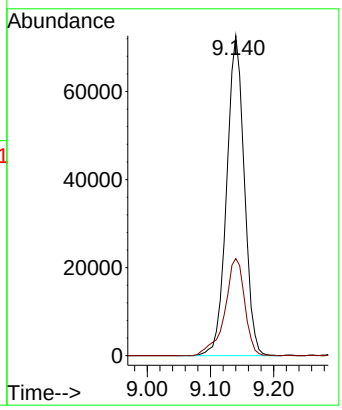
#45
1,2-Dichloropropane
Concen: 52.280 ug/l
RT: 9.140 min Scan# 1

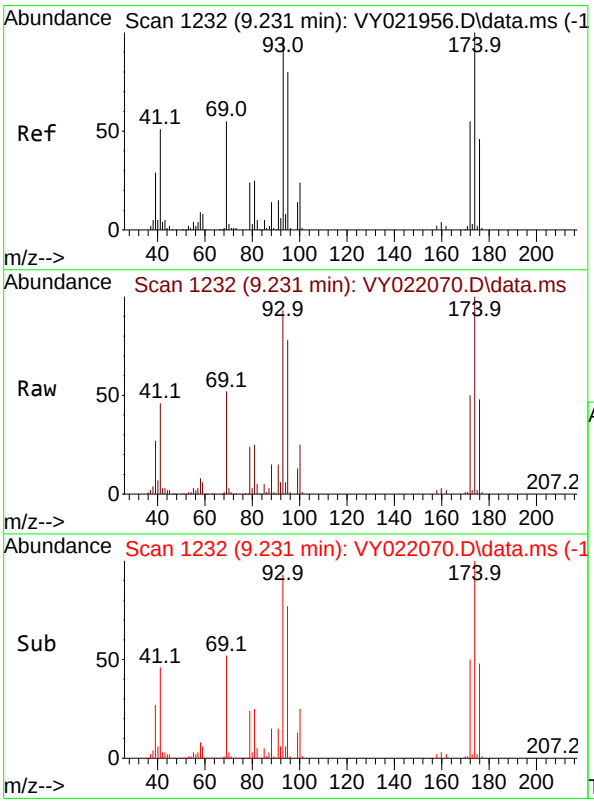
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 63 Resp: 140483

Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.2	37.8

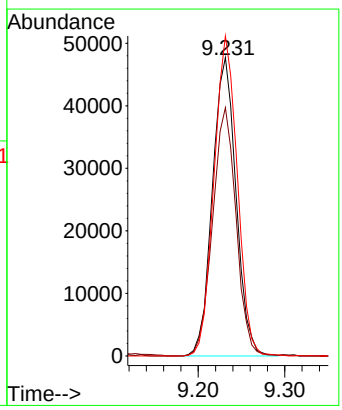


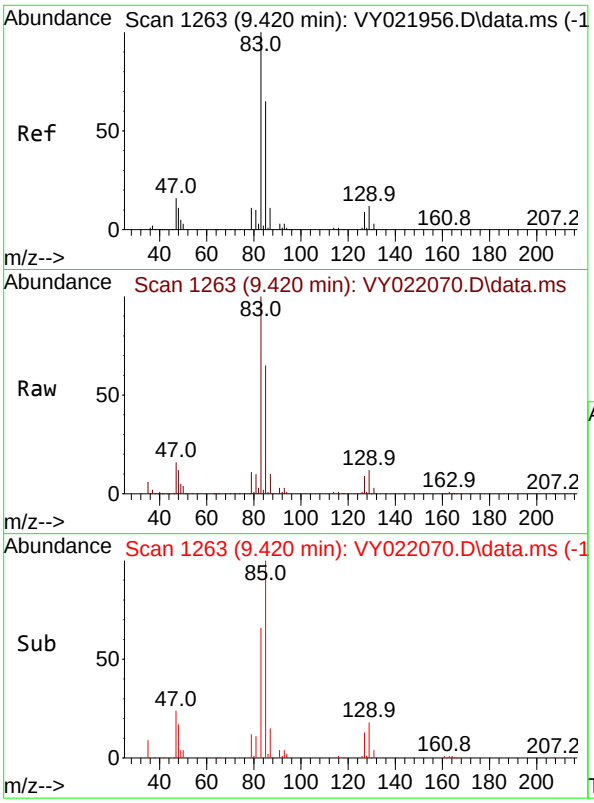


#46
Dibromomethane
Concen: 53.622 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 93 Resp: 90199

Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.7	100.1
174	106.3	84.6	127.0



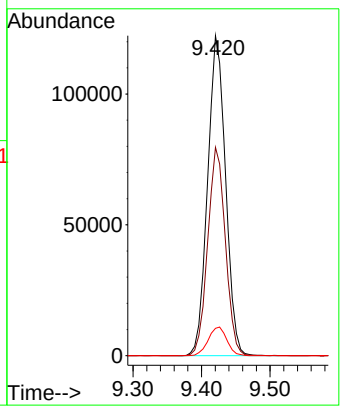


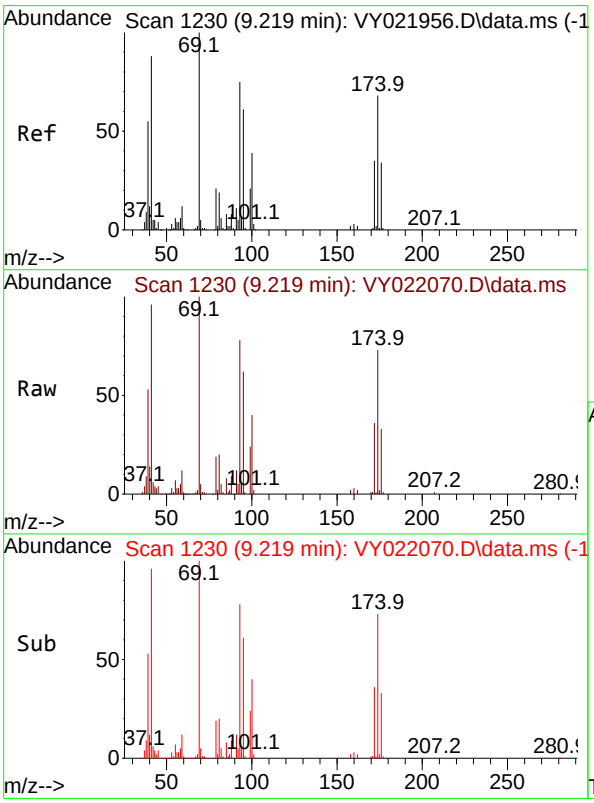
#47
Bromodichloromethane
Concen: 52.951 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 222511

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8
127	8.6	7.0	10.6

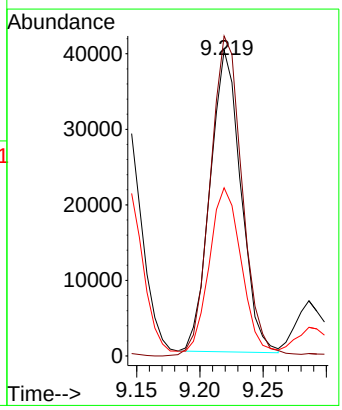


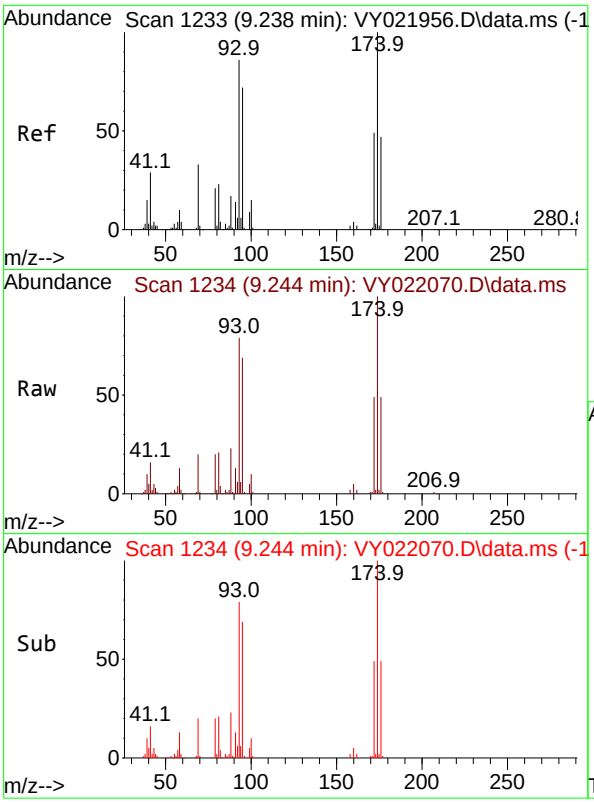


#48
Methyl methacrylate
Concen: 54.519 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 41 Resp: 67571

Ion	Ratio	Lower	Upper
41	100		
69	109.9	85.5	128.3
39	55.5	46.2	69.4



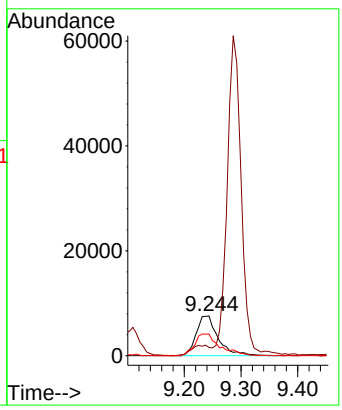


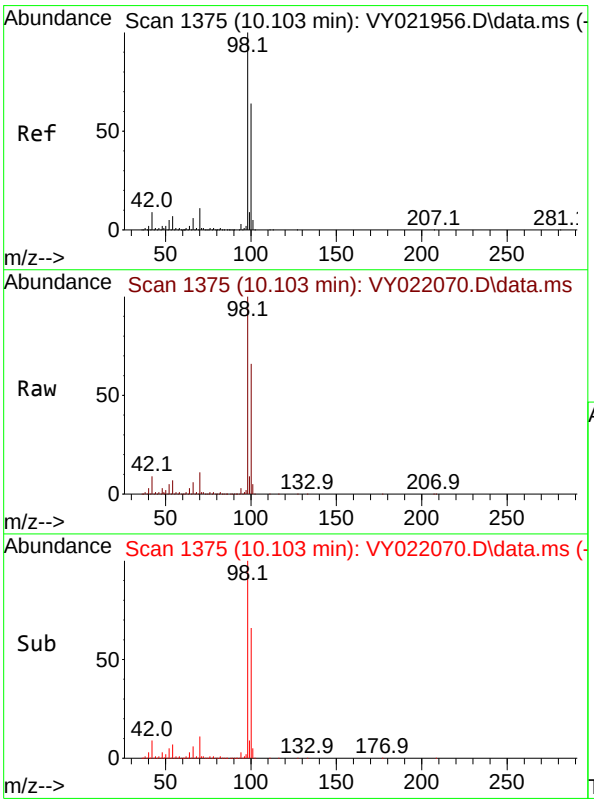
#49
1,4-Dioxane
Concen: 1132.484 ug/l
RT: 9.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 20304

Ion	Ratio	Lower	Upper
88	100		
43	23.7	21.3	31.9
58	62.4	50.5	75.7

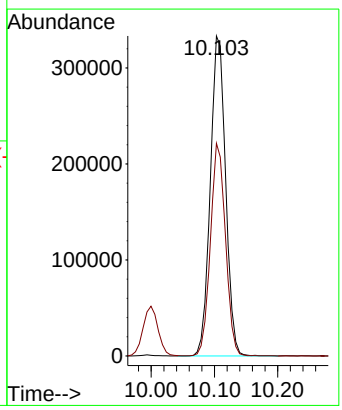


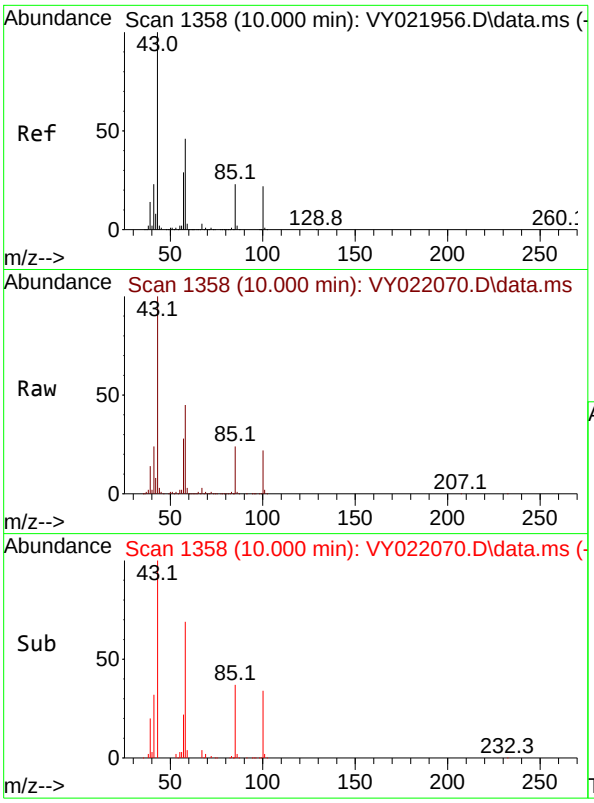


#50
Toluene-d8
Concen: 51.302 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 98 Resp: 559683

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4



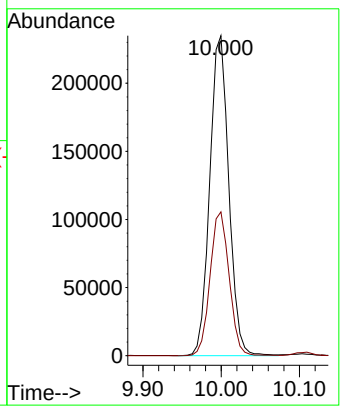


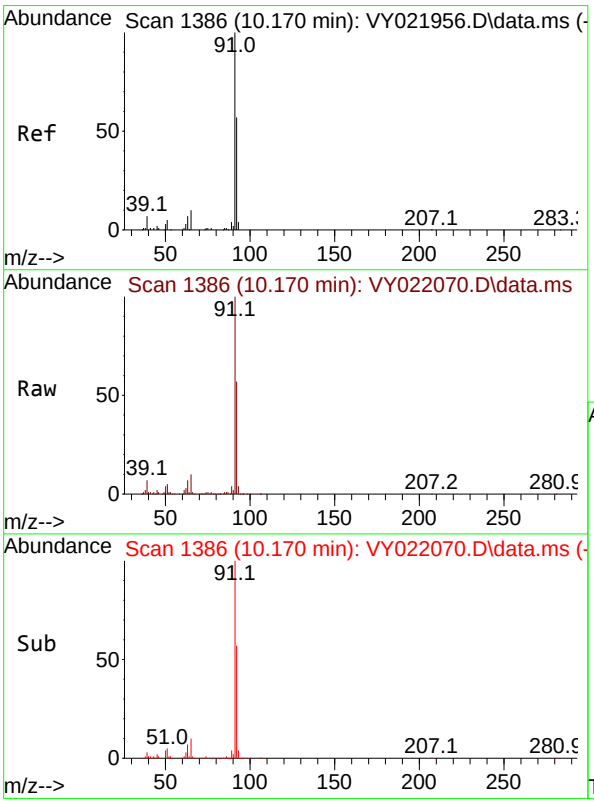
#51
4-Methyl-2-Pentanone
Concen: 282.021 ug/l
RT: 10.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 396361

Ion	Ratio	Lower	Upper
43	100		
58	45.1	36.6	55.0

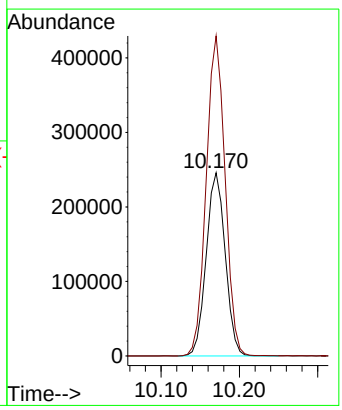


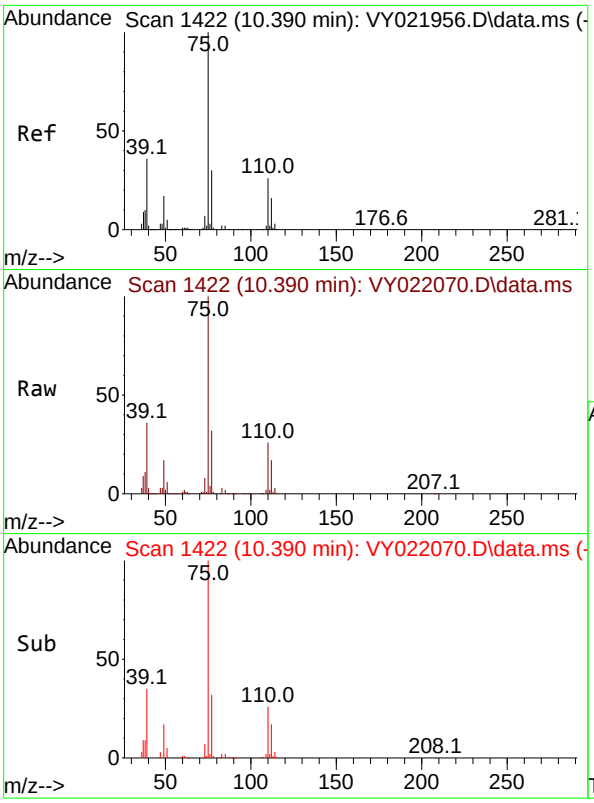


#52
Toluene
Concen: 52.558 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 92 Resp: 413392

Ion	Ratio	Lower	Upper
92	100		
91	173.9	138.6	207.8



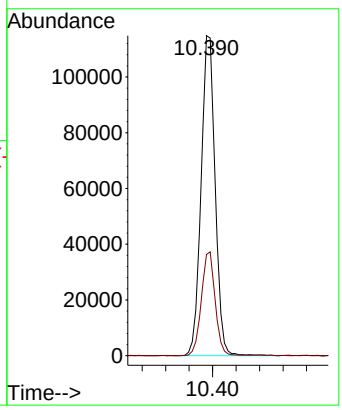


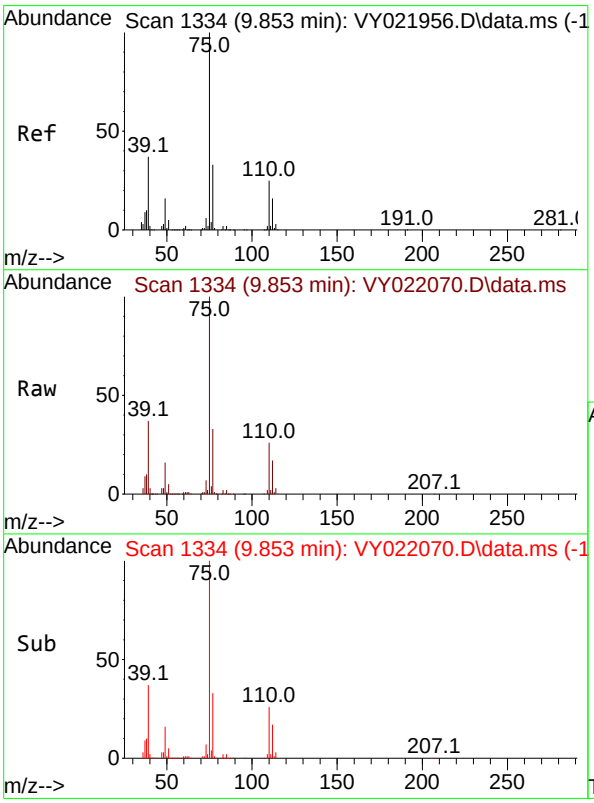
#53
t-1,3-Dichloropropene
Concen: 52.943 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 190828

Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.0	36.0

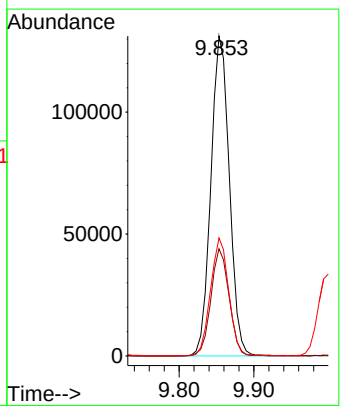


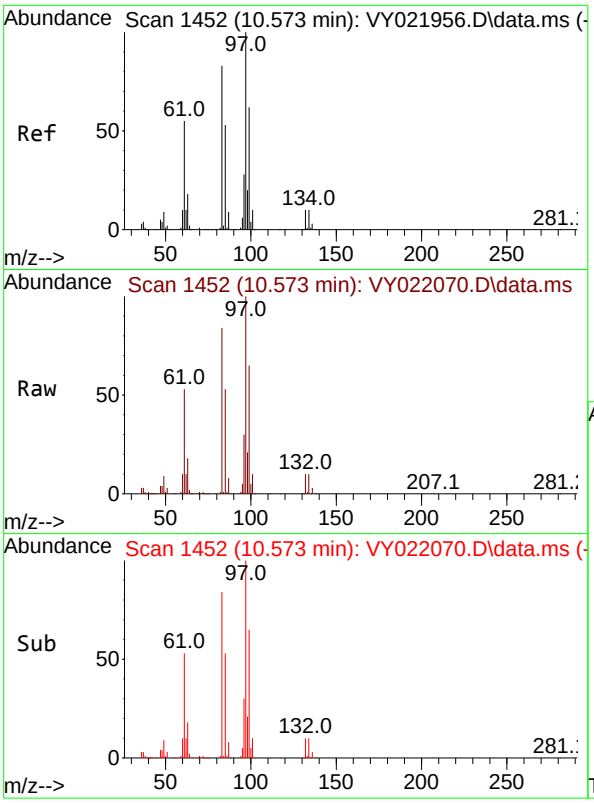


#54
cis-1,3-Dichloropropene
Concen: 52.602 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 225382

Ion	Ratio	Lower	Upper
75	100		
77	33.5	26.6	40.0
39	36.8	29.6	44.4



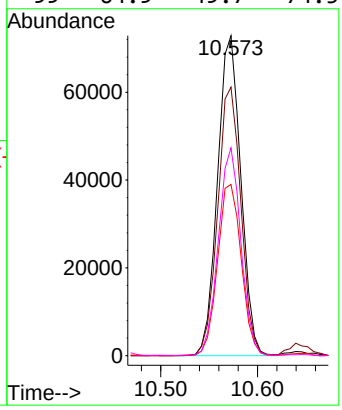


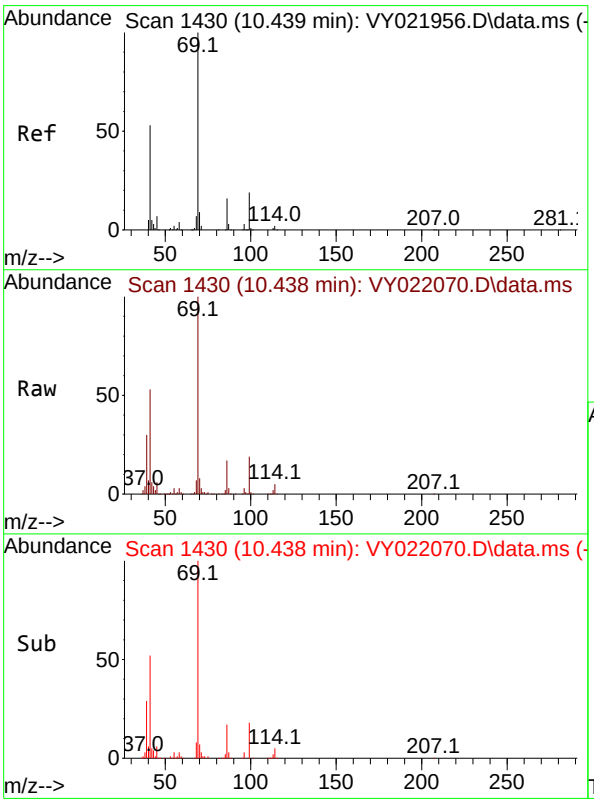
#55
1,1,2-Trichloroethane
Concen: 54.162 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 121699

Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.7	100.1
85	53.5	42.6	64.0
99	64.9	49.7	74.5

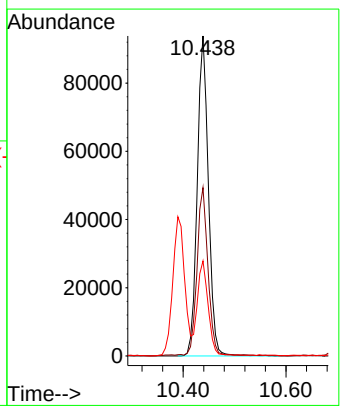


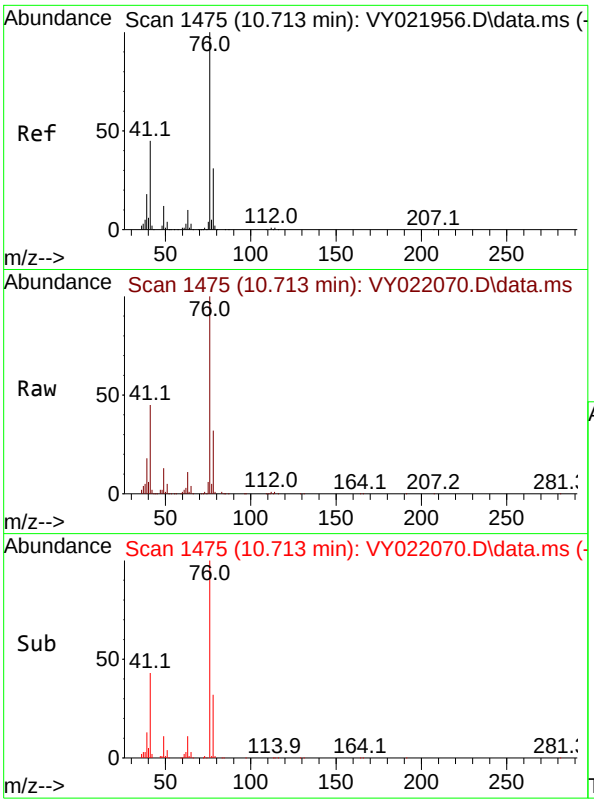


#56
Ethyl methacrylate
Concen: 54.864 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 69 Resp: 140972

Ion	Ratio	Lower	Upper
69	100		
41	52.3	40.7	61.1
39	29.0	23.3	34.9



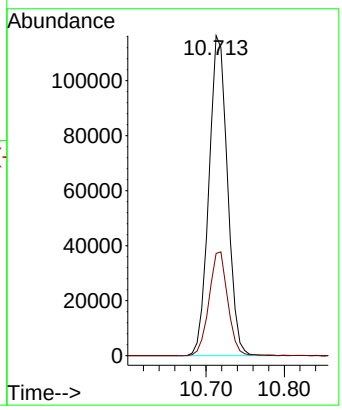


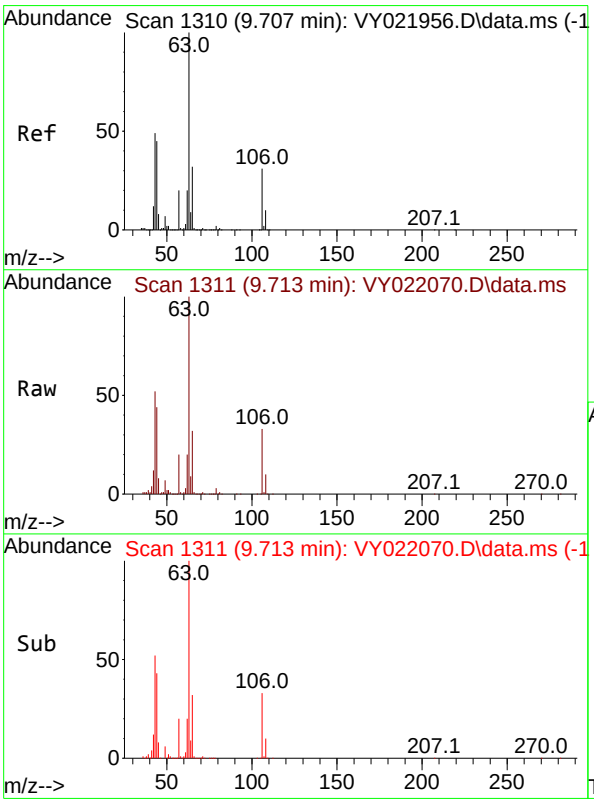
#57
1,3-Dichloropropane
Concen: 53.116 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 191332

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

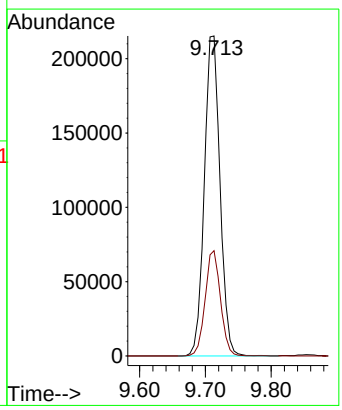


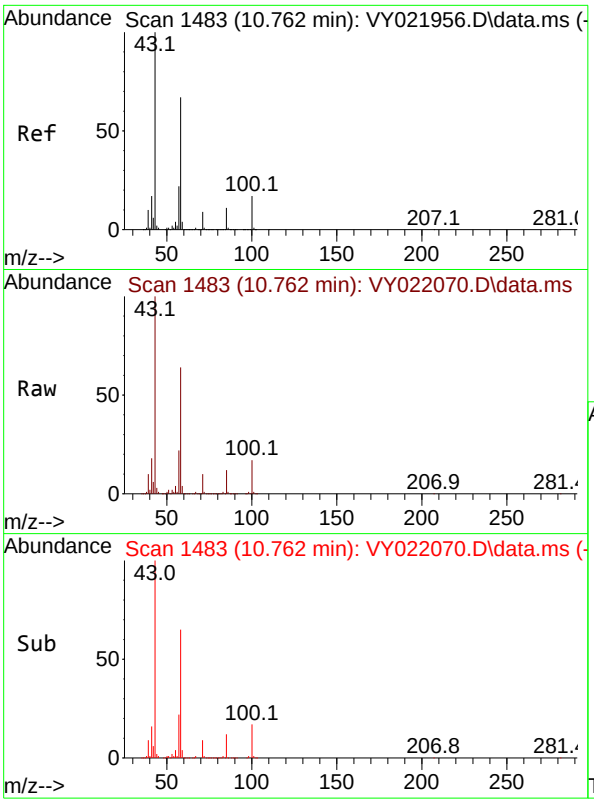


#58
2-Chloroethyl Vinyl ether
Concen: 284.170 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 63 Resp: 357006

Ion	Ratio	Lower	Upper
63	100		
106	32.3	25.3	37.9



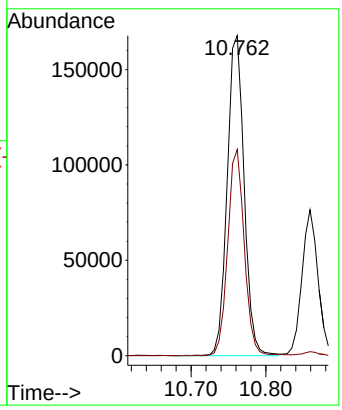


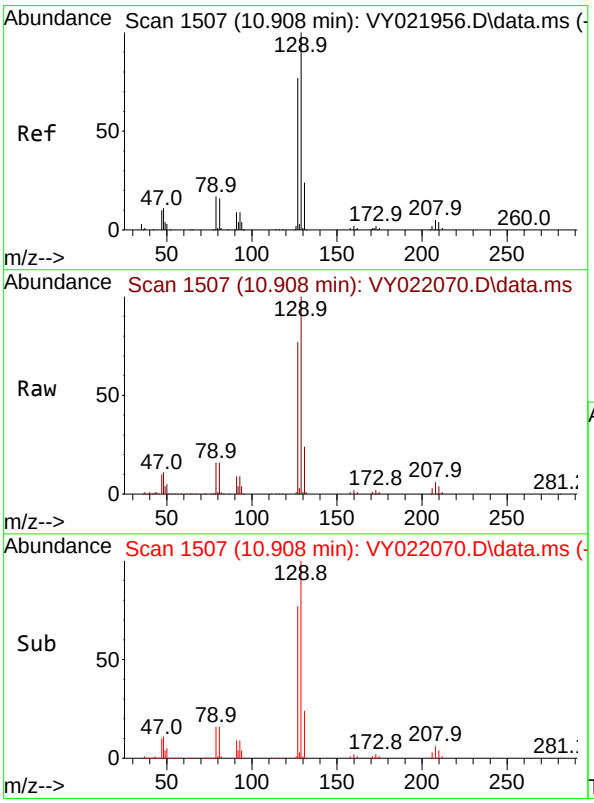
#59
2-Hexanone
Concen: 285.628 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 264777

Ion	Ratio	Lower	Upper
43	100		
58	63.0	32.0	96.0

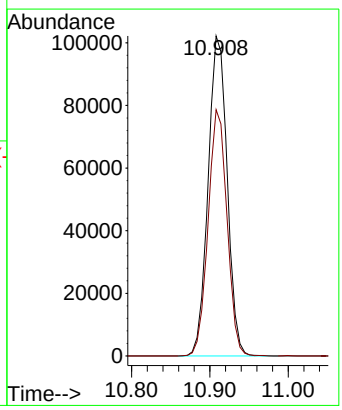


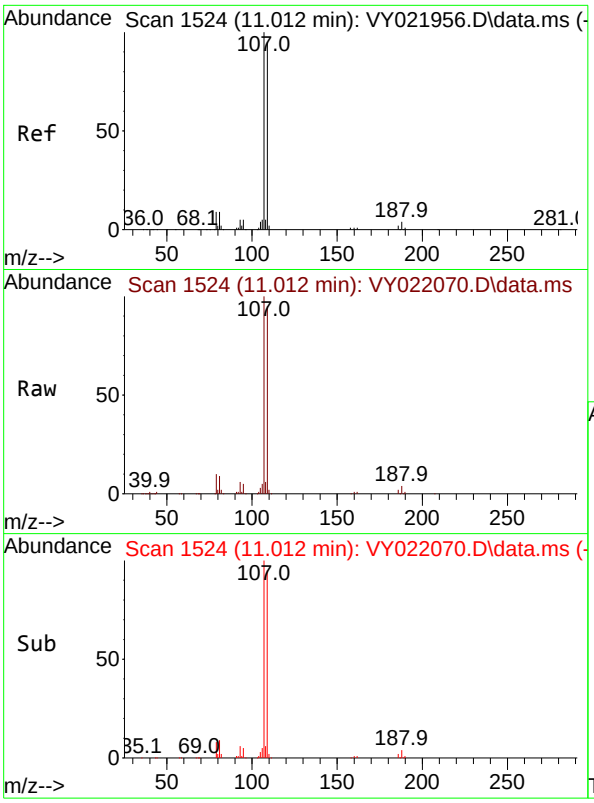


#60
Dibromochloromethane
Concen: 55.529 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:129 Resp: 172741

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.3



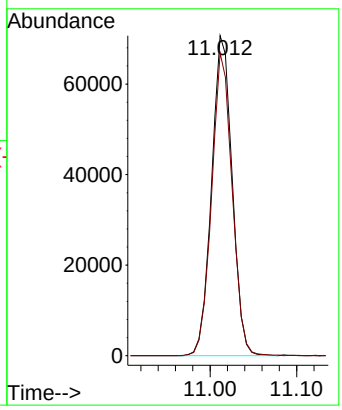


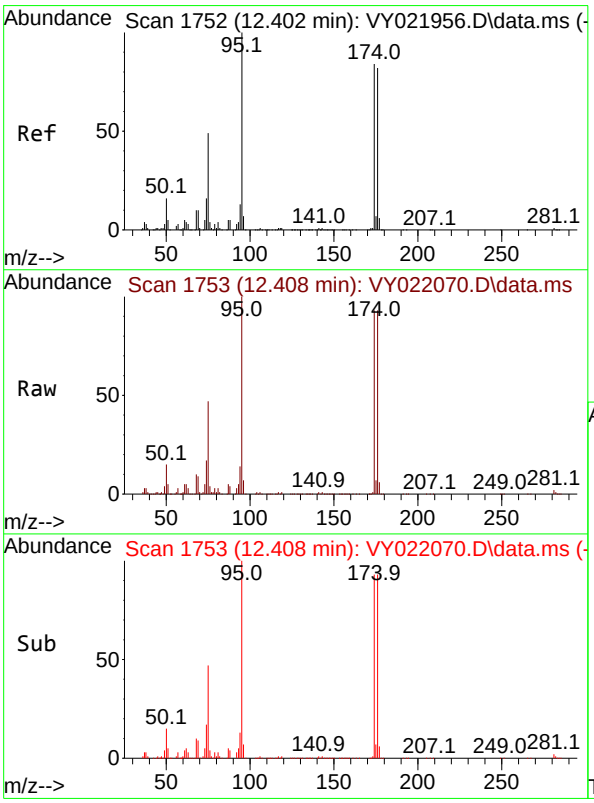
#61
1,2-Dibromoethane
Concen: 54.866 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 116385

Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.8

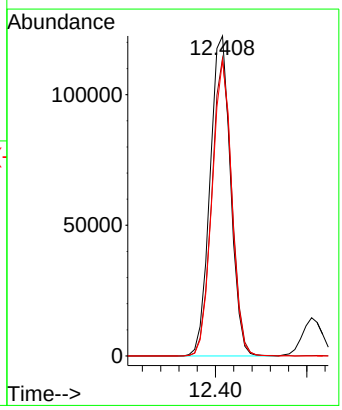


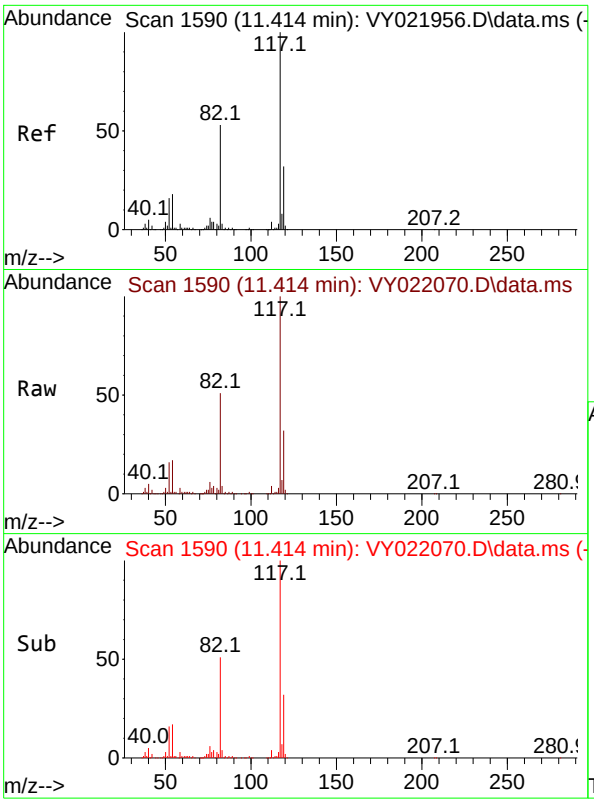


#62
4-Bromofluorobenzene
Concen: 51.957 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 95 Resp: 190816

Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.0
176	88.6	0.0	171.8



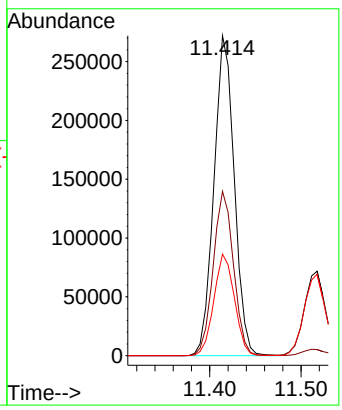


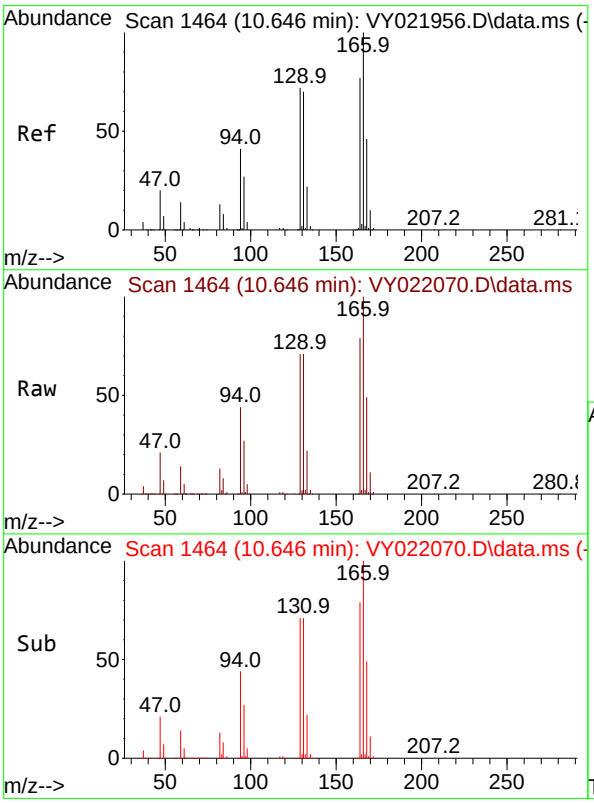
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 420486

Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.1	63.1
119	31.8	25.7	38.5

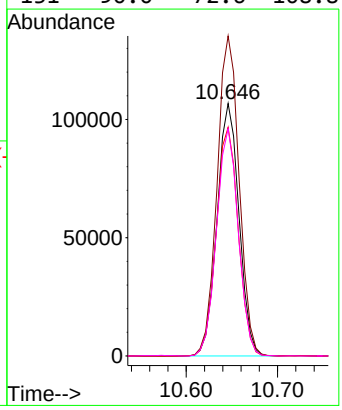


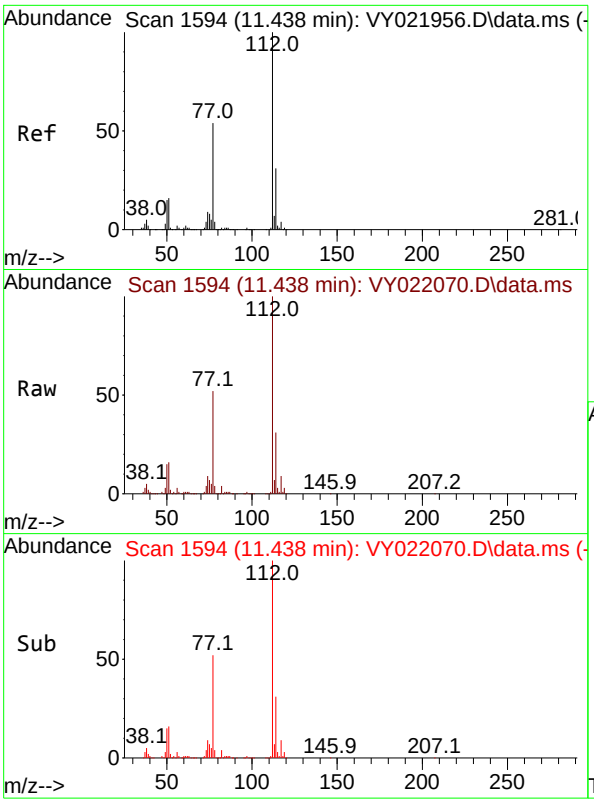


#64
Tetrachloroethene
Concen: 44.986 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:164 Resp: 178447

Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.6	155.4
129	90.6	74.2	111.4
131	90.0	72.6	108.8



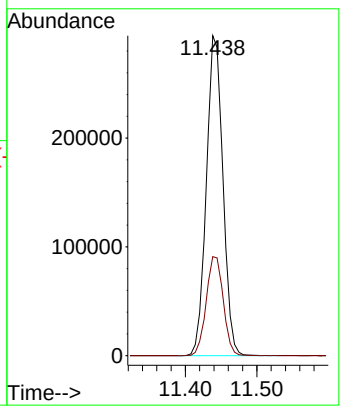


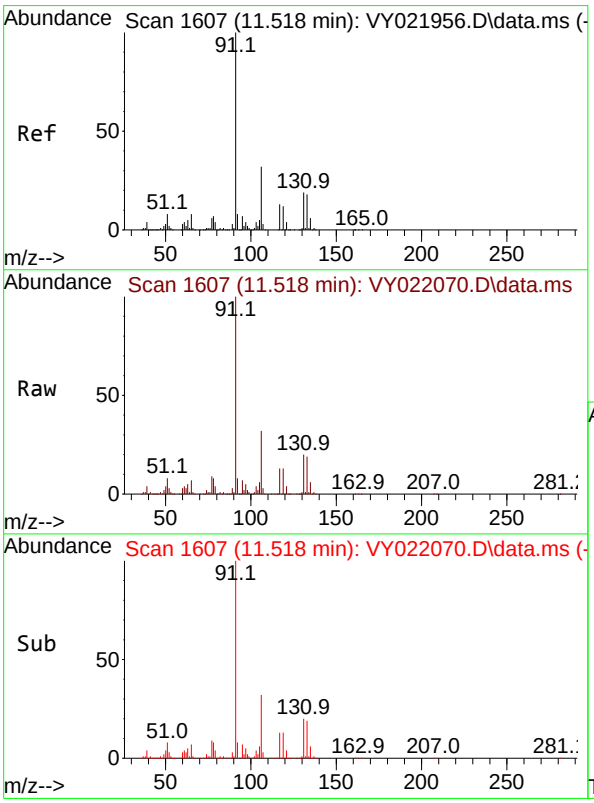
#65
Chlorobenzene
Concen: 50.303 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 473007

Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.0	37.4

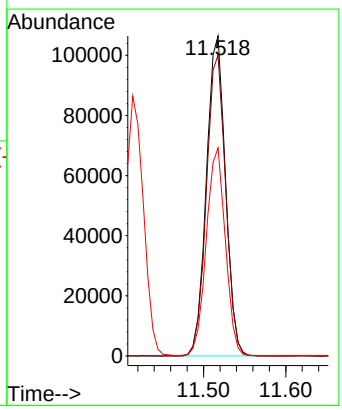


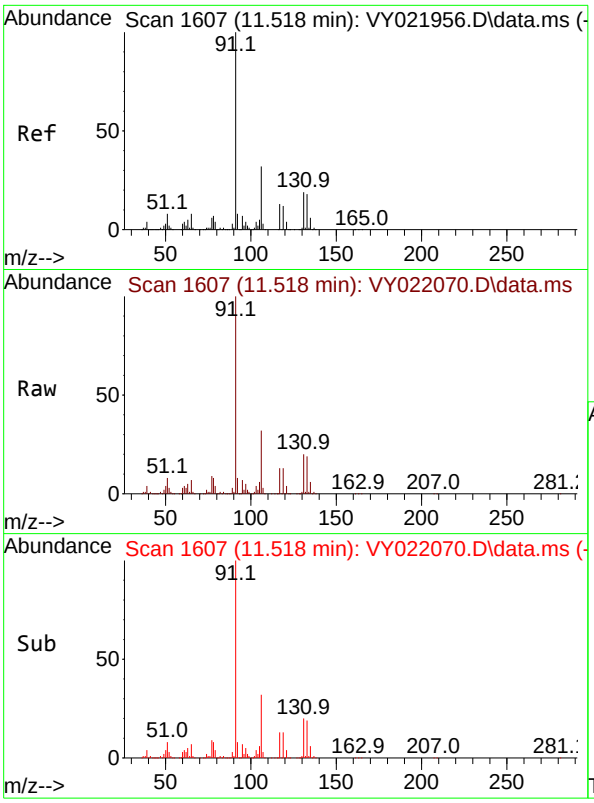


#66
1,1,1,2-Tetrachloroethane
Concen: 51.798 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:131 Resp: 171474

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.8	143.3
119	65.1	32.4	97.0



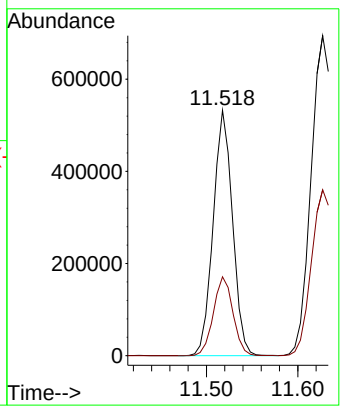


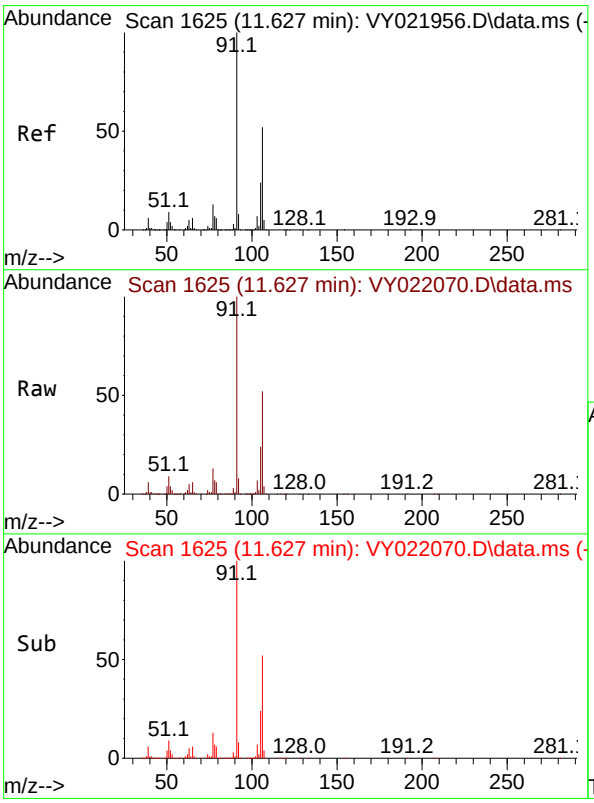
#67
Ethyl Benzene
Concen: 50.916 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 783192

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

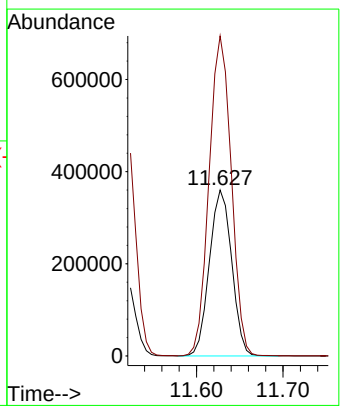


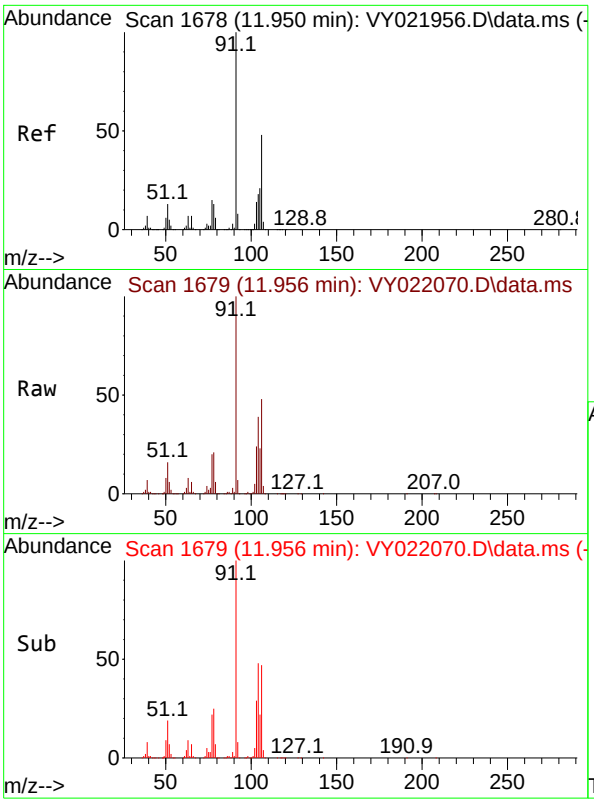


#68
m/p-Xylenes
Concen: 105.256 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:106 Resp: 644255

Ion	Ratio	Lower	Upper
106	100		
91	192.1	156.2	234.2



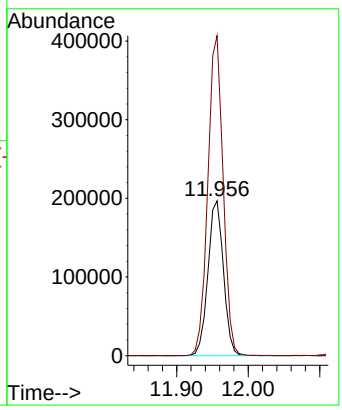


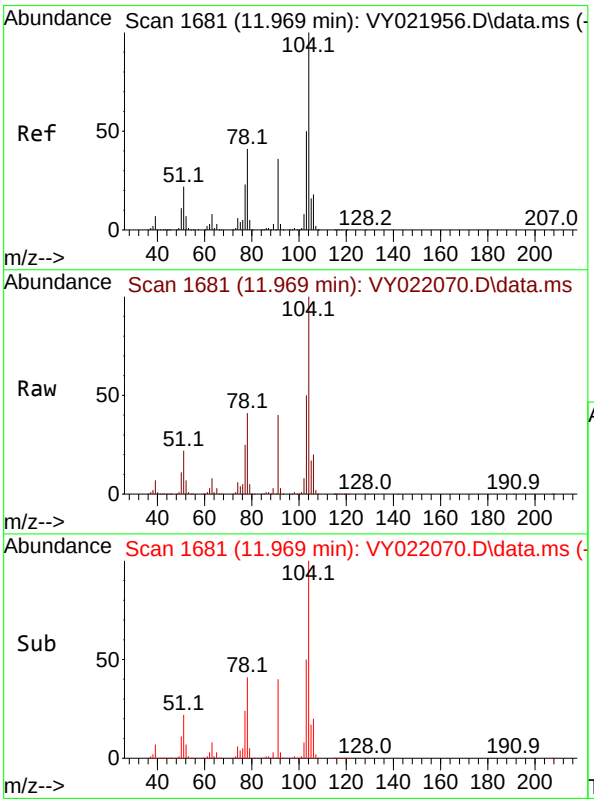
#69
o-Xylene
Concen: 52.408 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 295659

Ion	Ratio	Lower	Upper
106	100		
91	204.3	103.0	308.9

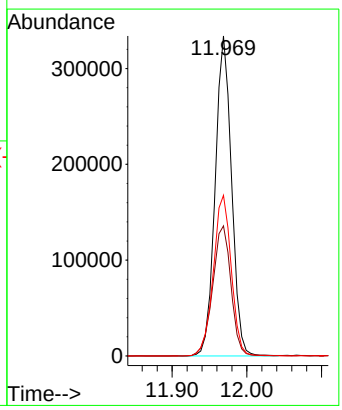


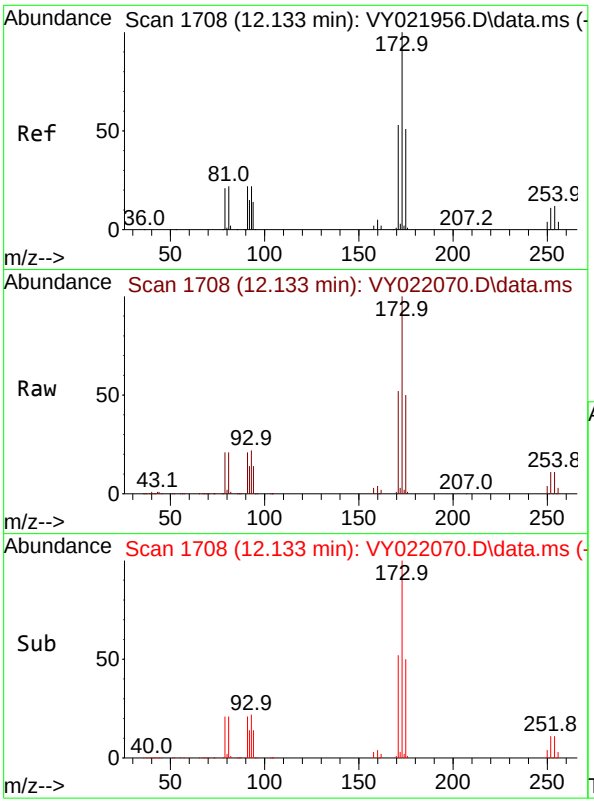


#70
Styrene
Concen: 53.858 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:104 Resp: 510156

Ion	Ratio	Lower	Upper
104	100		
78	45.4	36.6	54.8
103	54.9	43.8	65.8



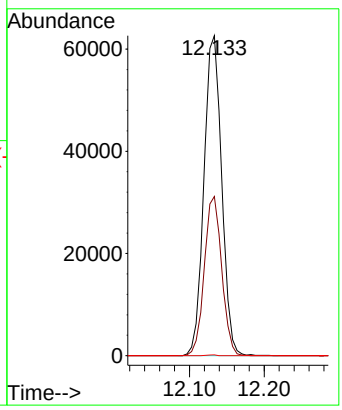


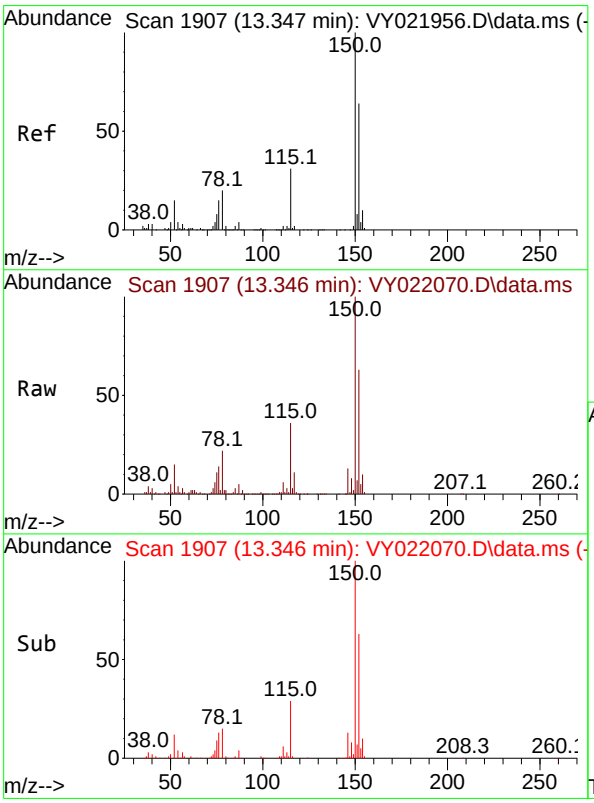
#71
Bromoform
Concen: 53.605 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 103171

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.1	0.0	0.0#

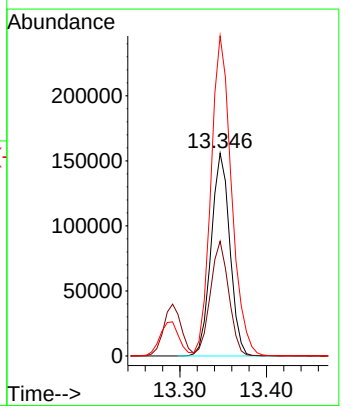


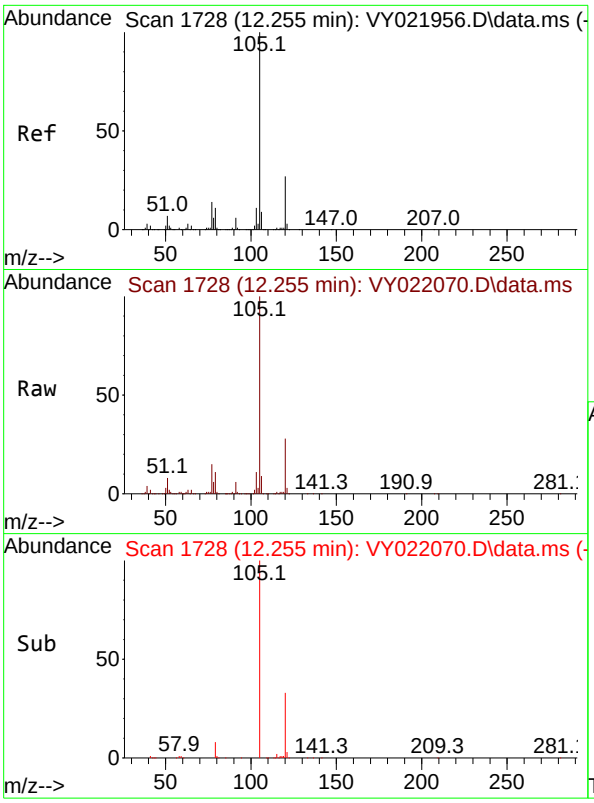


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:152 Resp: 233640

Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	84.0
150	173.1	0.0	345.6



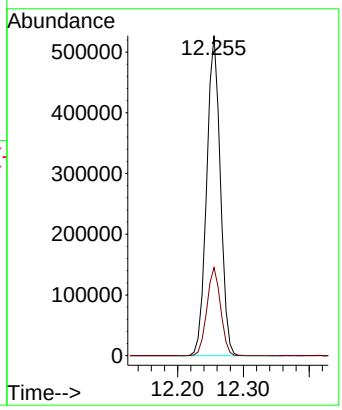


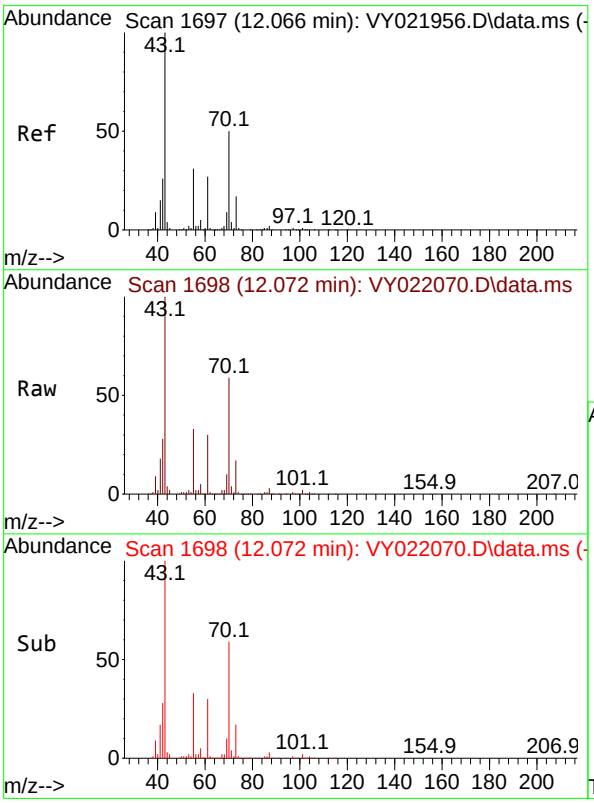
#73
Isopropylbenzene
Concen: 48.826 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 762153

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5

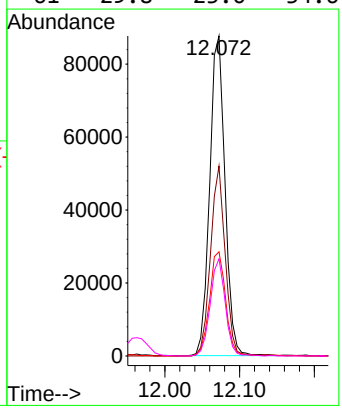


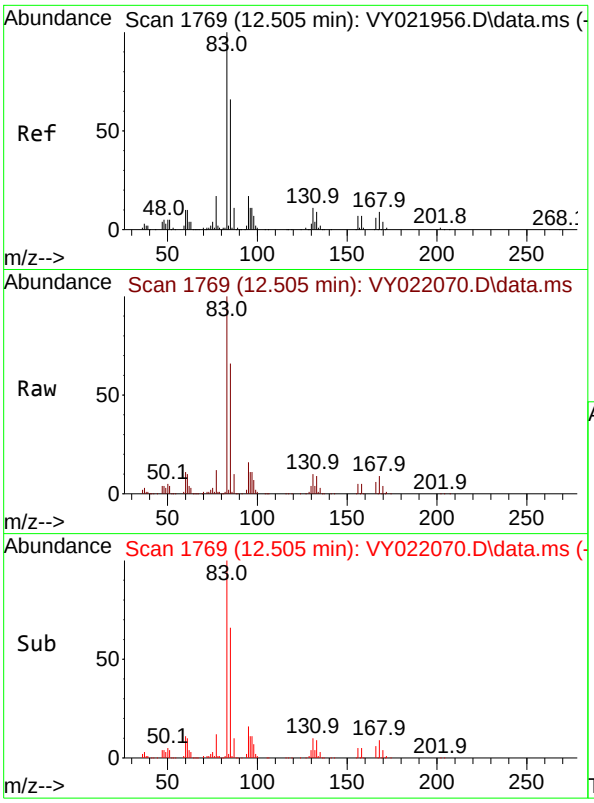


#74
N-amyl acetate
Concen: 46.530 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 43 Resp: 124788

Ion	Ratio	Lower	Upper
43	100		
70	57.0	43.2	64.8
55	34.4	25.7	38.5
61	29.8	23.0	34.6



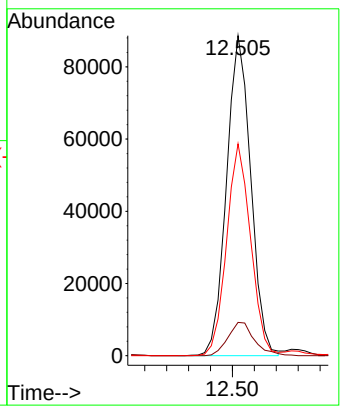


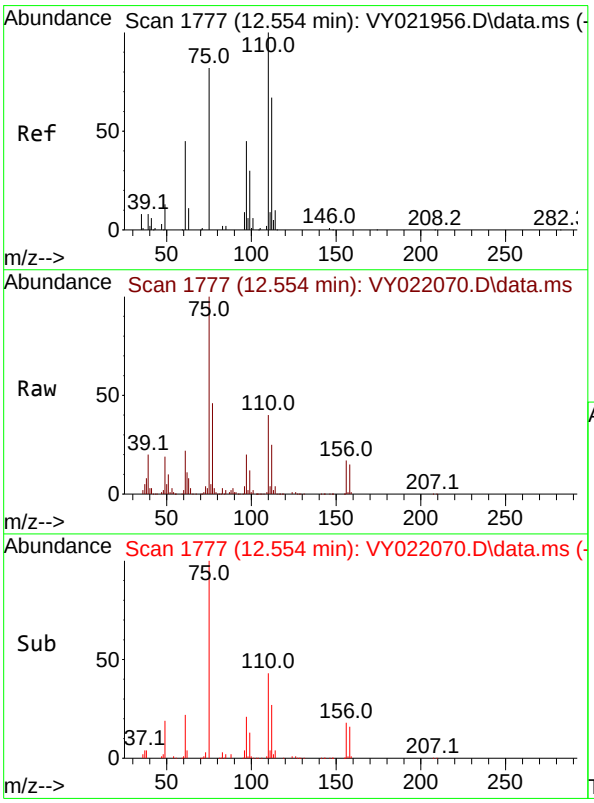
#75
1,1,2,2-Tetrachloroethane
Concen: 51.775 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 136259

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.5	16.4
85	65.5	32.3	96.8

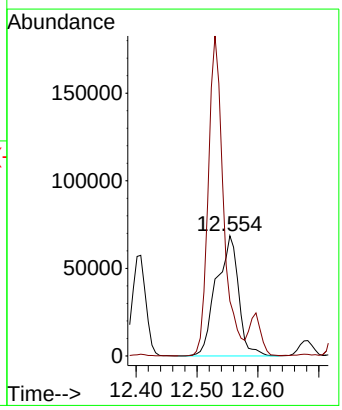


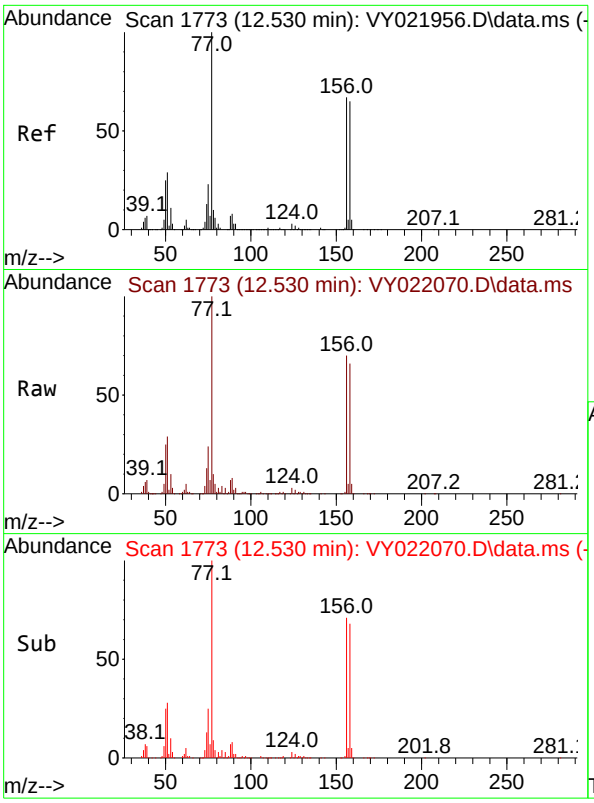


#76
1,2,3-Trichloropropane
Concen: 86.890 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 173888

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



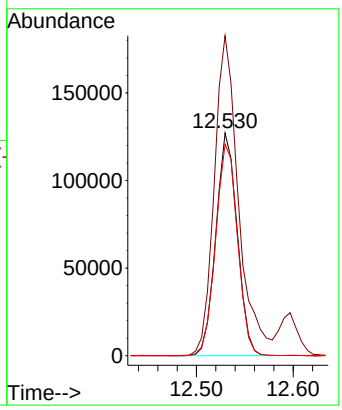


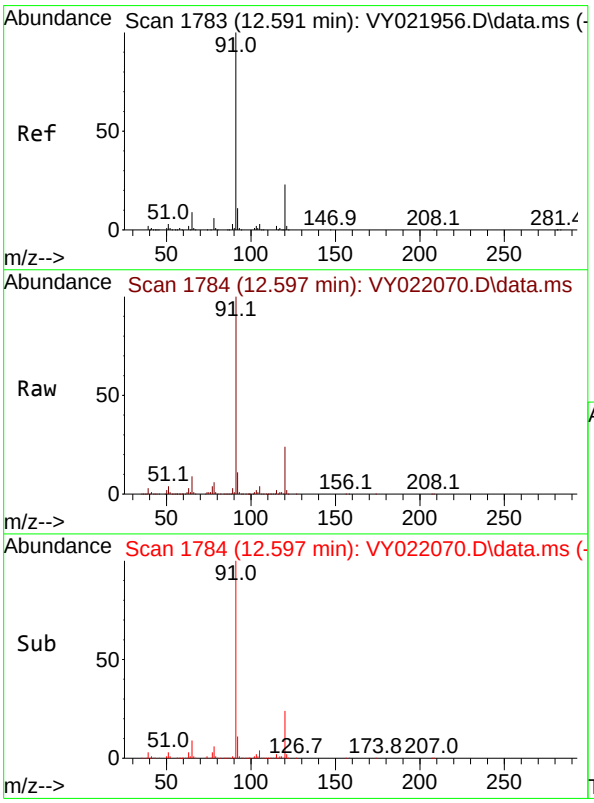
#77
Bromobenzene
Concen: 49.414 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 194904

Ion	Ratio	Lower	Upper
156	100		
77	163.2	82.7	248.1
158	97.1	48.1	144.4

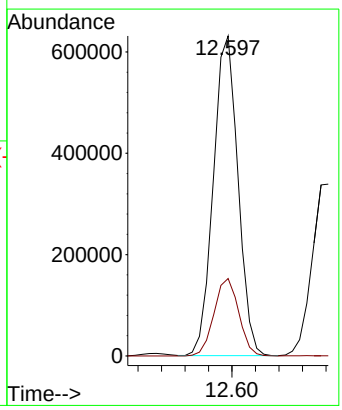


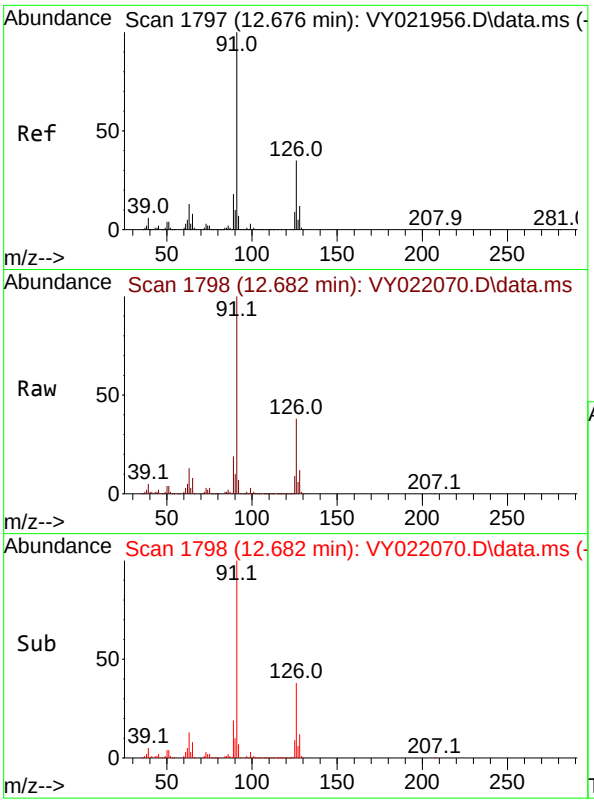


#78
n-propylbenzene
Concen: 49.435 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 91 Resp: 918969

Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.5



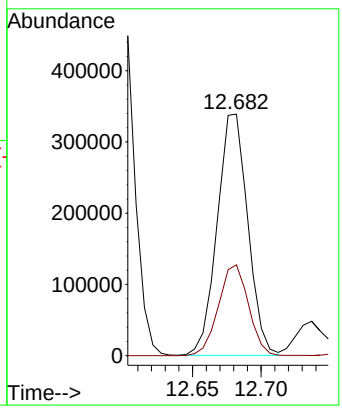


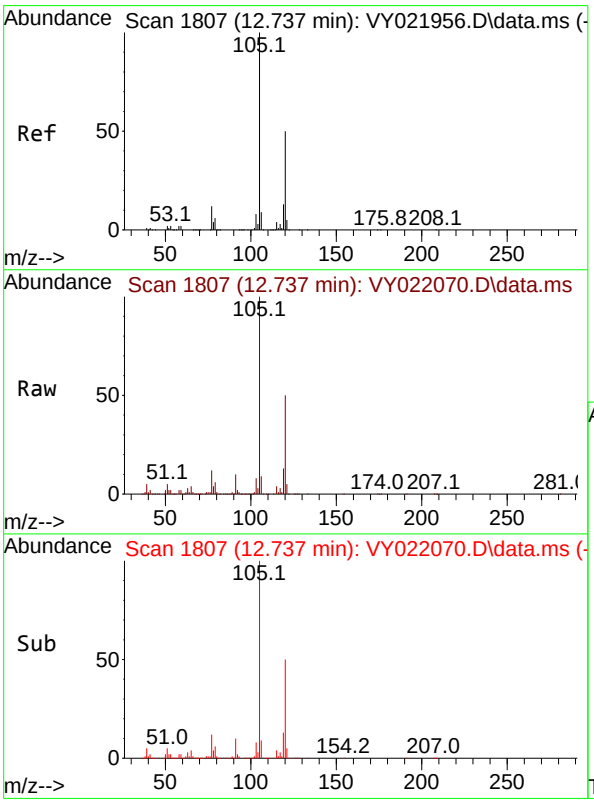
#79
2-Chlorotoluene
Concen: 48.782 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 527372

Ion	Ratio	Lower	Upper
91	100		
126	37.0	17.9	53.8

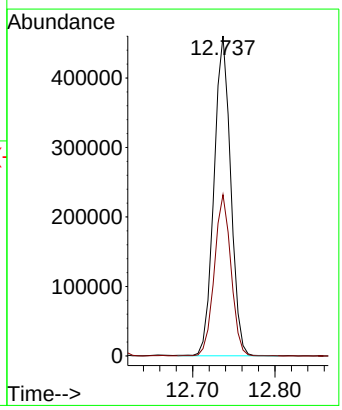


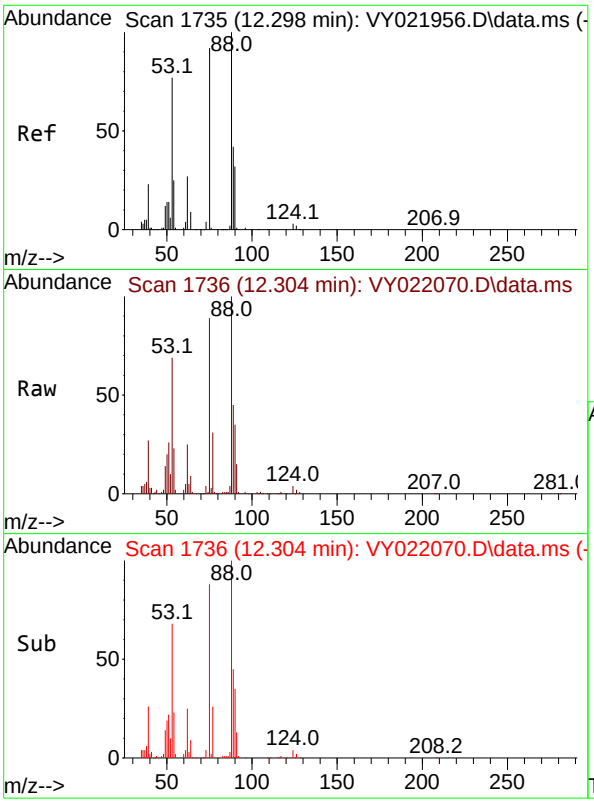


#80
1,3,5-Trimethylbenzene
Concen: 50.473 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:105 Resp: 649159

Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.0	75.0



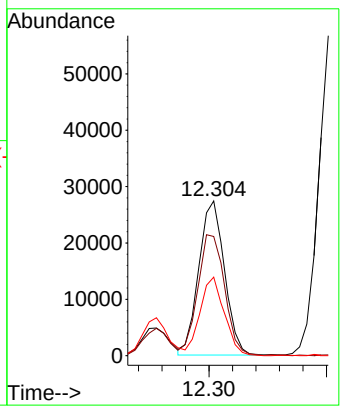


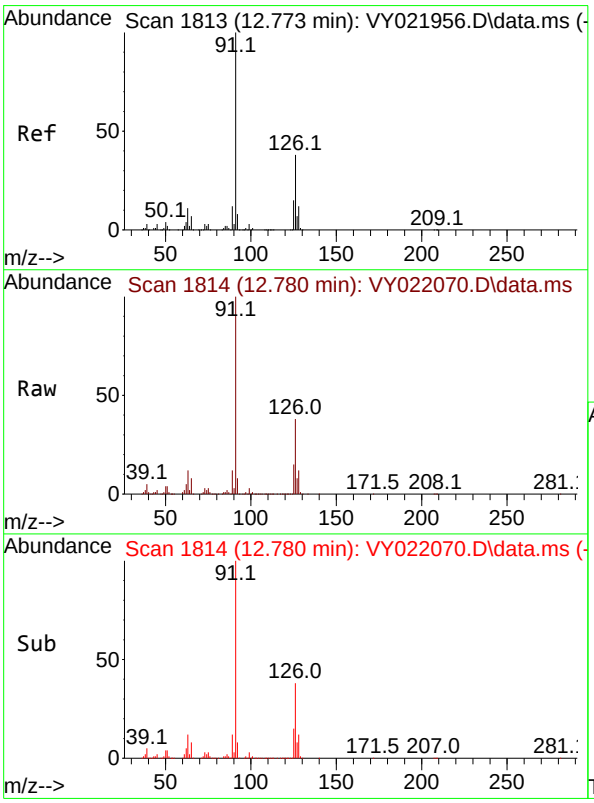
#81
trans-1,4-Dichloro-2-butene
Concen: 49.837 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 41416

Ion	Ratio	Lower	Upper
75	100		
53	81.7	66.0	99.0
89	48.1	37.2	55.8

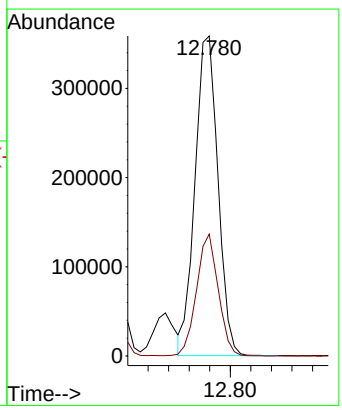


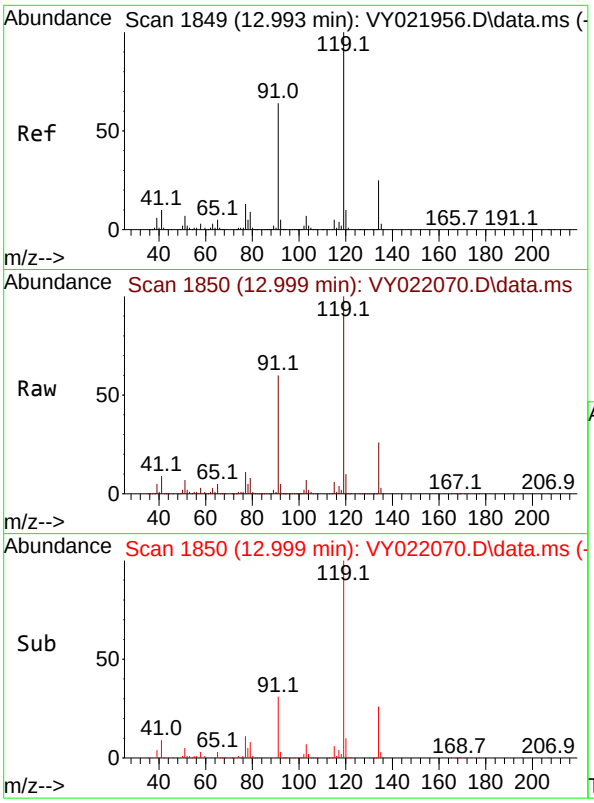


#82
4-Chlorotoluene
Concen: 49.467 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 91 Resp: 555914

Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.9	53.8



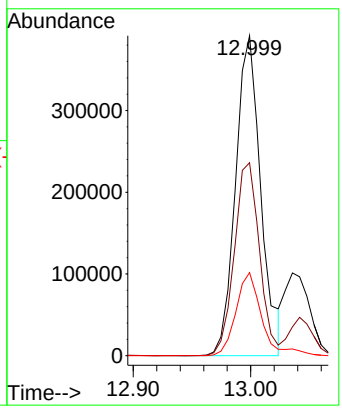


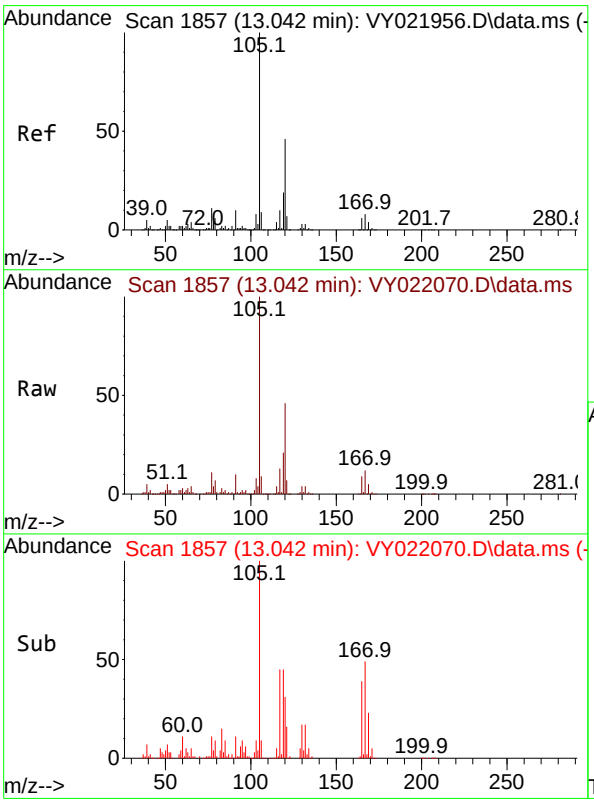
#83
tert-Butylbenzene
Concen: 50.602 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 583678

Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.3	90.9
134	26.6	12.9	38.7

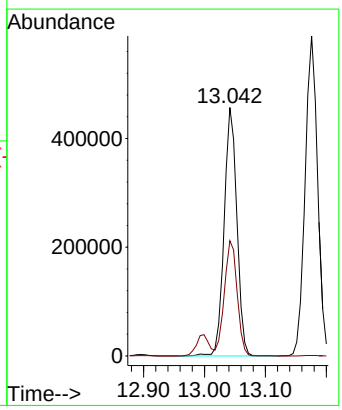


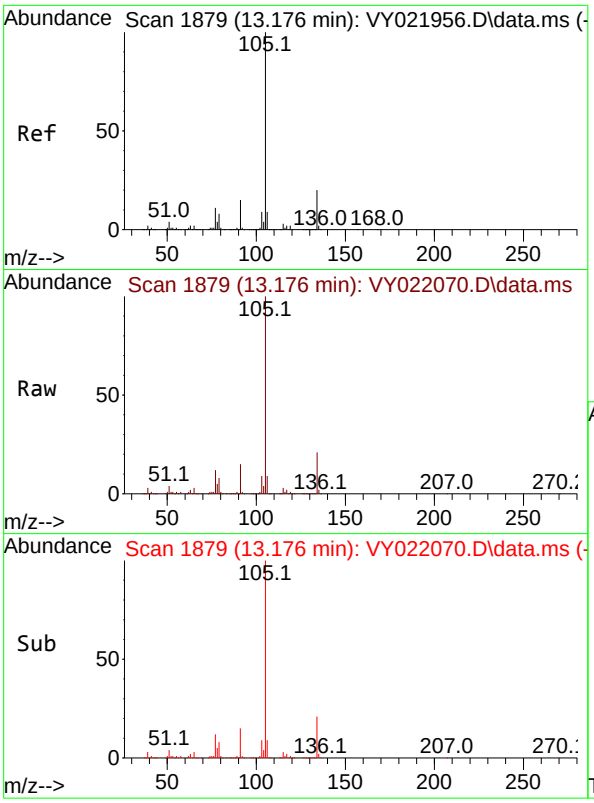


#84
1,2,4-Trimethylbenzene
Concen: 51.523 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:105 Resp: 662815

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0



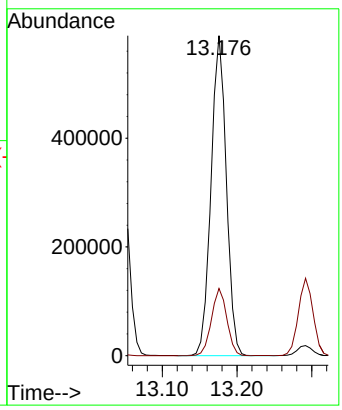


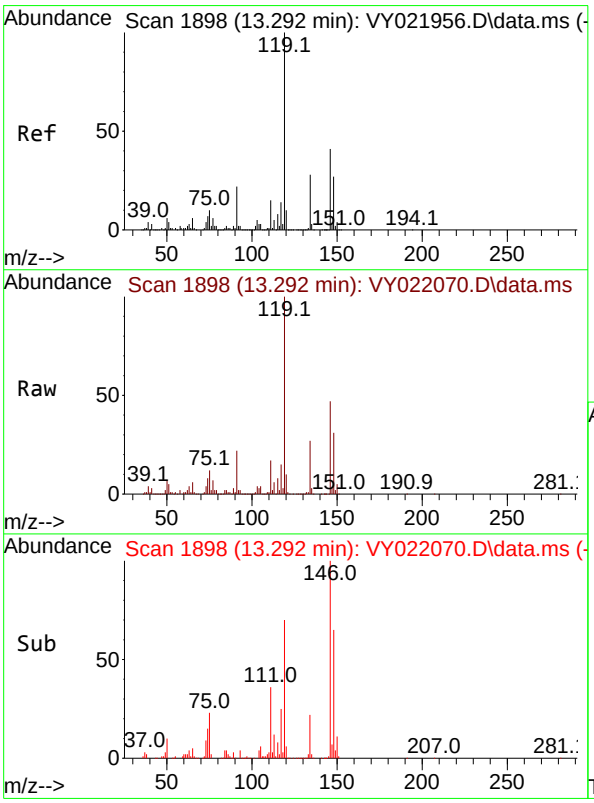
#85
sec-Butylbenzene
Concen: 49.583 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 836912

Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.3	30.9

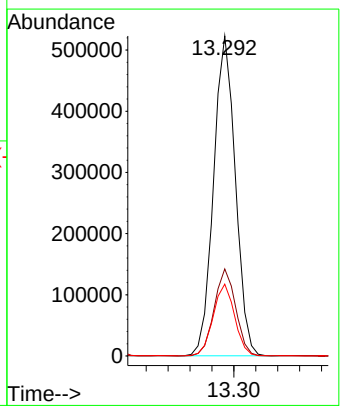


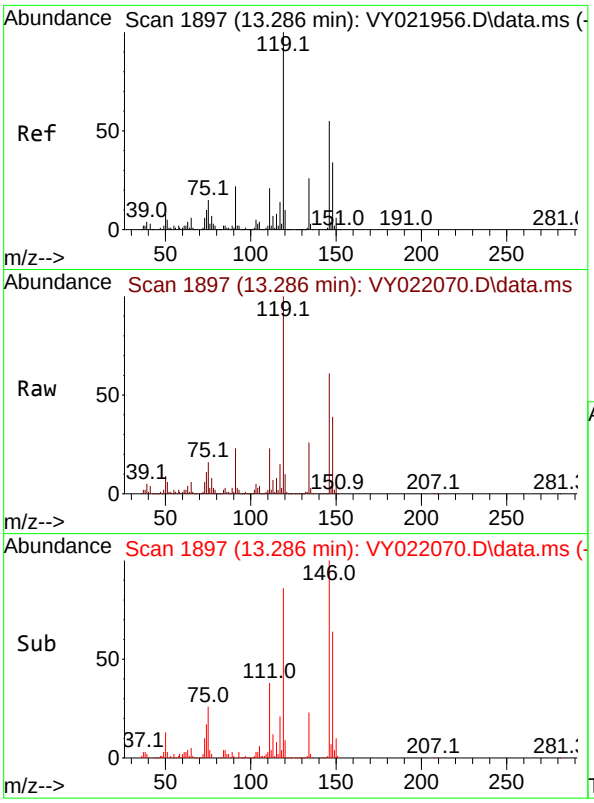


#86
p-Isopropyltoluene
Concen: 50.332 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:119 Resp: 721392

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.1	11.0	33.0



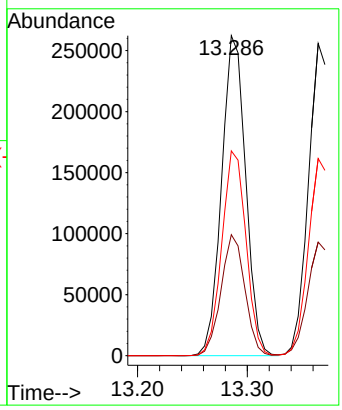


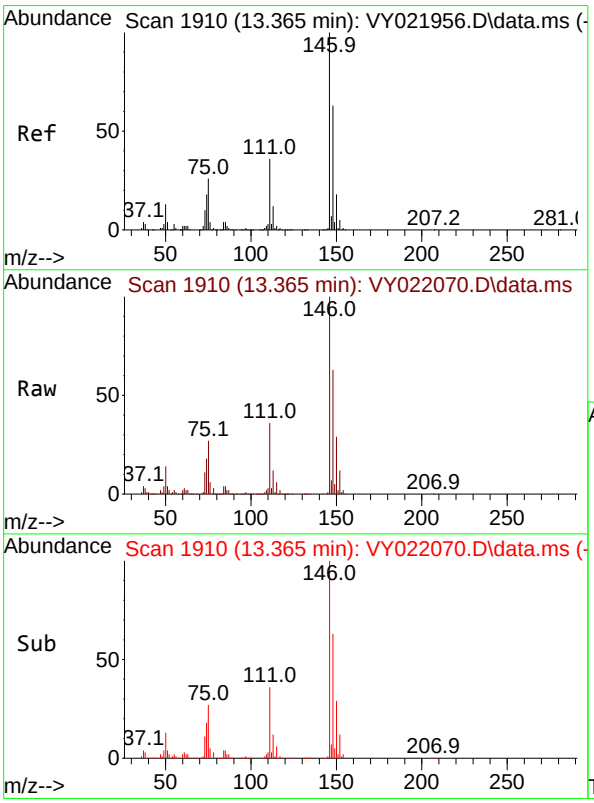
#87
1,3-Dichlorobenzene
Concen: 49.973 ug/l
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 400335

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.5
148	64.3	32.0	96.2

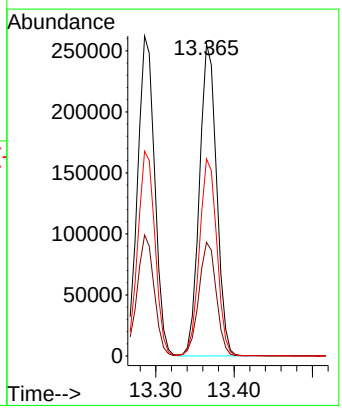


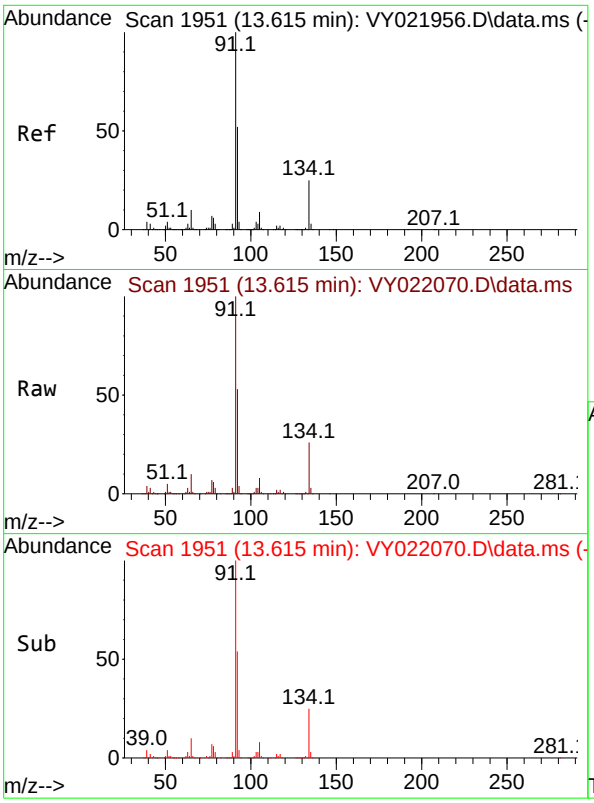


#88
1,4-Dichlorobenzene
Concen: 49.057 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:146 Resp: 389223

Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.2	57.6
148	64.1	32.0	96.0



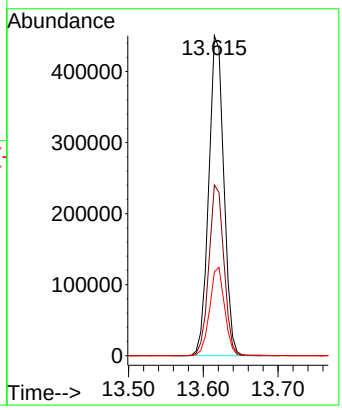


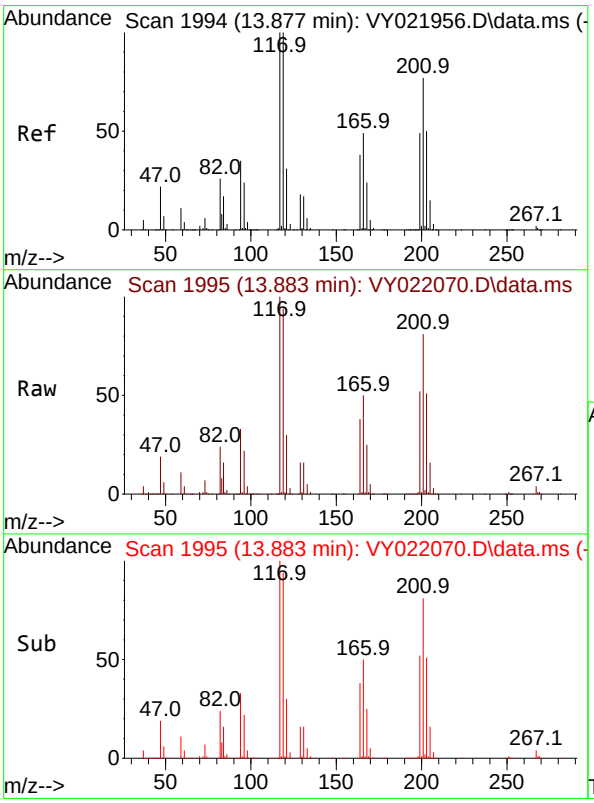
#89
n-Butylbenzene
Concen: 49.300 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 631593

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	27.3	13.4	40.1

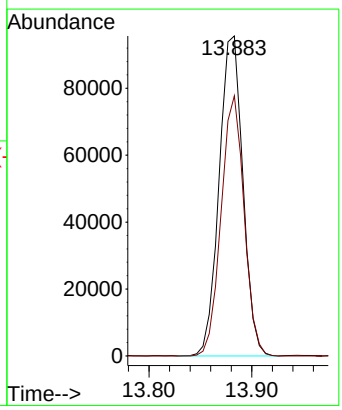


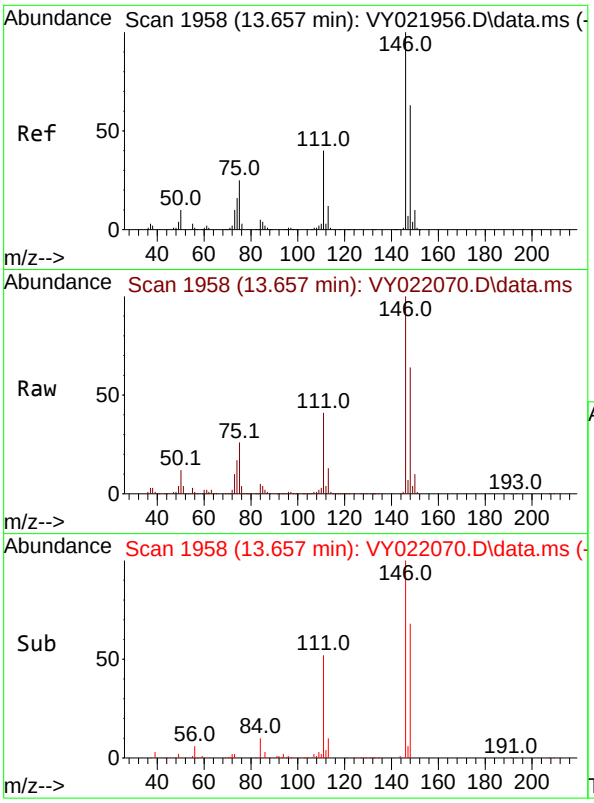


#90
Hexachloroethane
Concen: 48.750 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:117 Resp: 153517

Ion	Ratio	Lower	Upper
117	100		
201	78.4	38.7	116.1



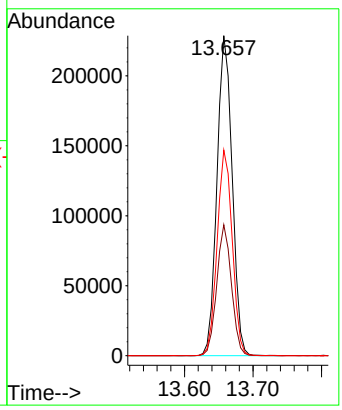


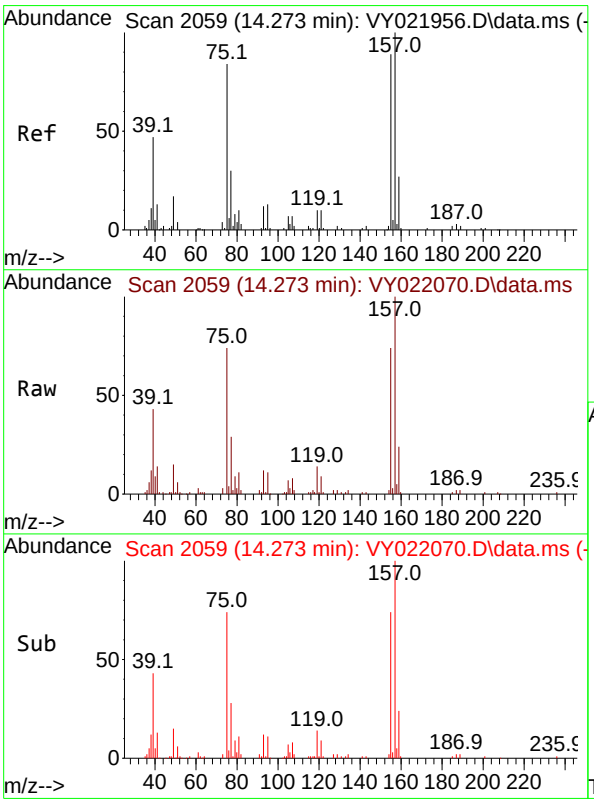
#91
1,2-Dichlorobenzene
Concen: 50.137 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 350321

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	64.0	32.1	96.3

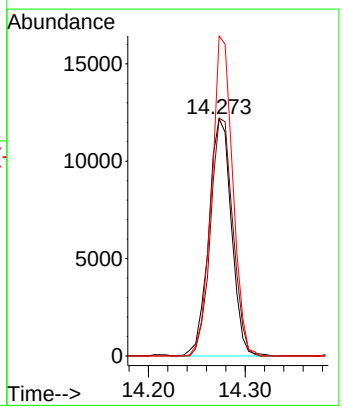


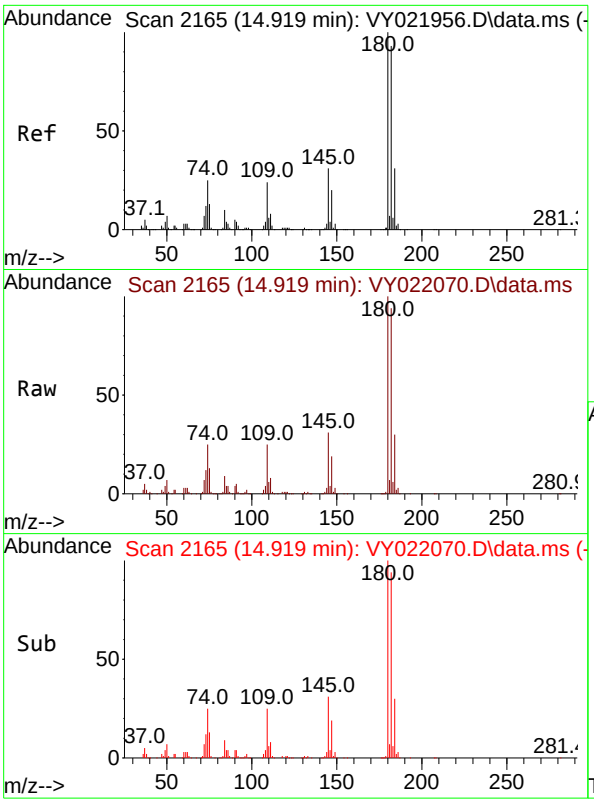


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.389 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion: 75 Resp: 19842

Ion	Ratio	Lower	Upper
75	100		
155	98.3	50.7	152.3
157	125.8	62.6	187.8



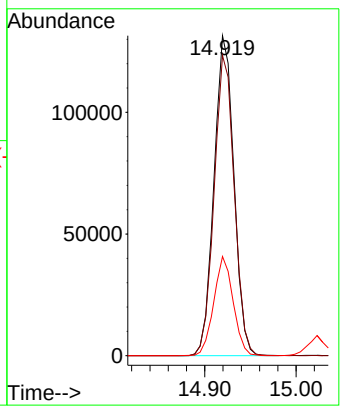


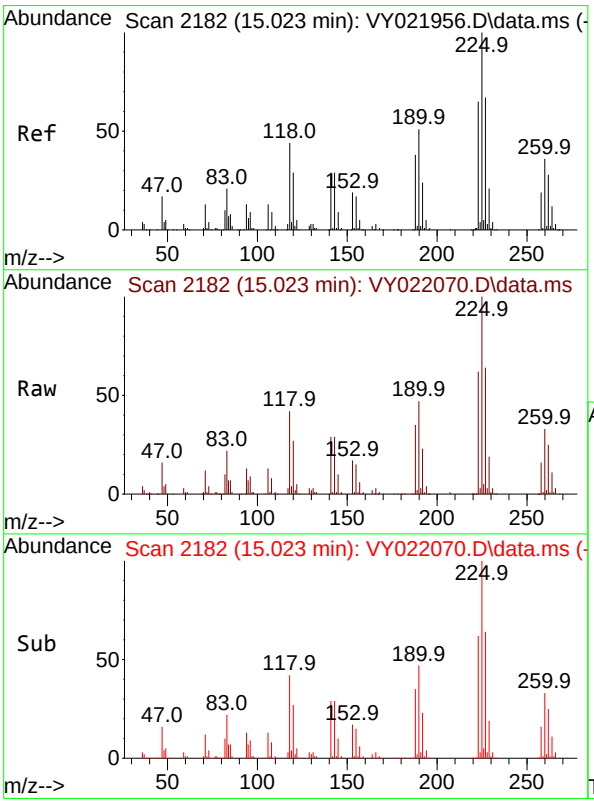
#93
1,2,4-Trichlorobenzene
Concen: 50.292 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 199131

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.4
145	30.2	15.0	45.0

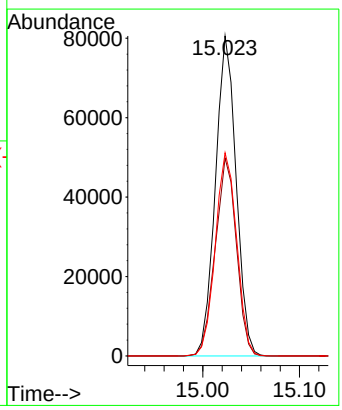


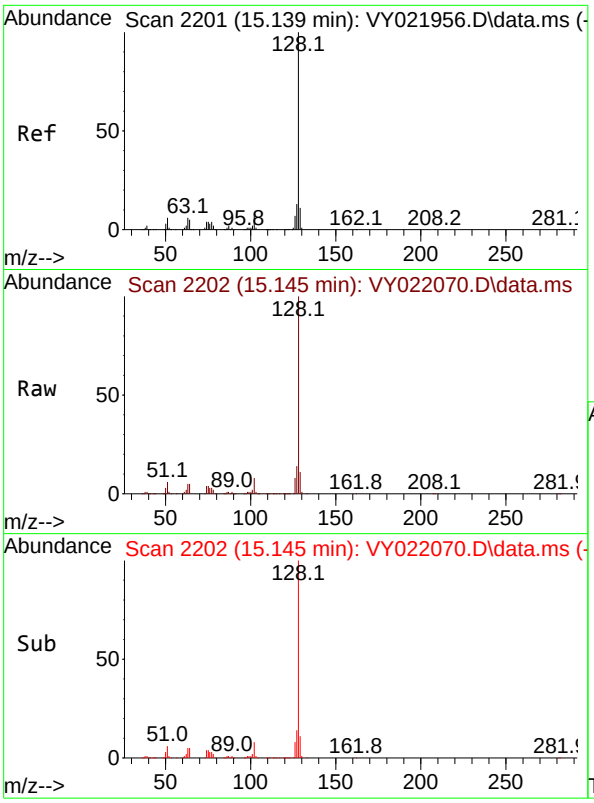


#94
Hexachlorobutadiene
Concen: 49.134 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:225 Resp: 119697

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	65.5	32.3	96.9



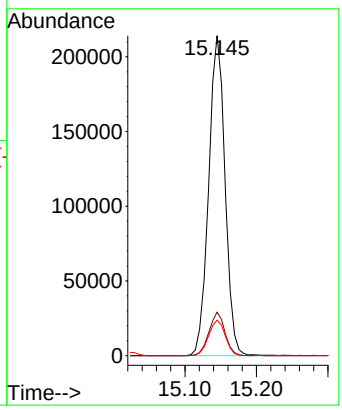


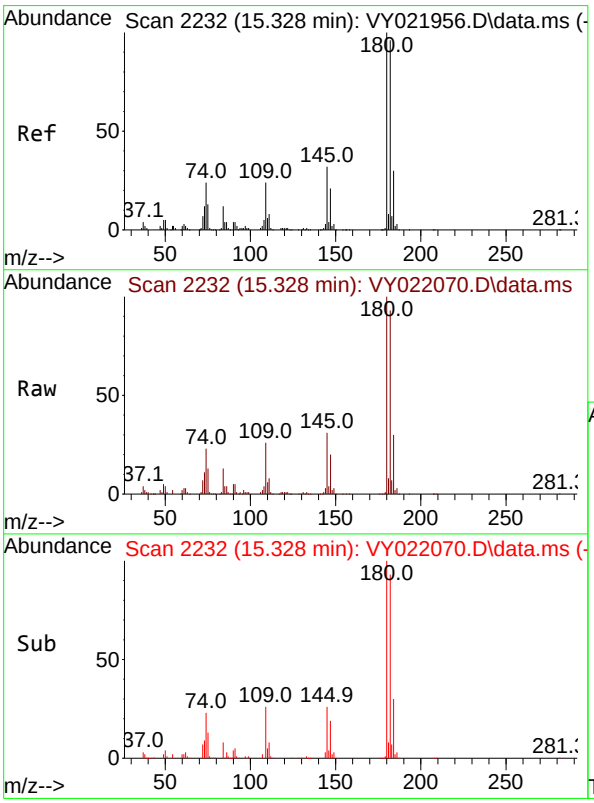
#95
Naphthalene
Concen: 51.796 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 340679

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.3	8.9	13.3

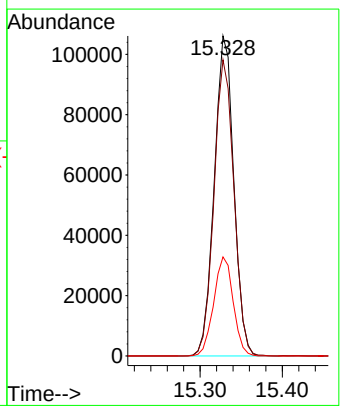




#96
1,2,3-Trichlorobenzene
Concen: 51.291 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022070.D
Acq: 30 Apr 2025 09:20

Tgt Ion:180 Resp: 175304

Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.1	144.4
145	30.9	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	286487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	405299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	222589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	131013	49.509	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.020%			
35) Dibromofluoromethane	7.628	113	150835	52.643	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.280%			
50) Toluene-d8	10.103	98	568923	52.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.340%			
62) 4-Bromofluorobenzene	12.402	95	188289	51.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	47203	19.336	ug/l	98
3) Chloromethane	2.062	50	77084	22.176	ug/l	98
4) Vinyl Chloride	2.202	62	88437	20.704	ug/l	98
5) Bromomethane	2.586	94	83723	22.751	ug/l	97
6) Chloroethane	2.727	64	61631	21.186	ug/l	100
7) Trichlorofluoromethane	3.050	101	122851	21.811	ug/l	97
8) Diethyl Ether	3.452	74	28746	19.608	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.806	101	62287	20.385	ug/l	99
10) Methyl Iodide	4.001	142	60748	17.172	ug/l	99
11) Tert butyl alcohol	4.885	59	13923	95.838	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	56168	19.722	ug/l	97
13) Acrolein	3.653	56	22527	86.396	ug/l	99
14) Allyl chloride	4.379	41	62659	18.895	ug/l	99
15) Acrylonitrile	5.055	53	51344	95.667	ug/l	99
16) Acetone	3.879	43	37345	94.535	ug/l	95
17) Carbon Disulfide	4.098	76	180355	19.861	ug/l	98
18) Methyl Acetate	4.385	43	25031	20.250	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	121034	18.988	ug/l	100
20) Methylene Chloride	4.610	84	67082	20.048	ug/l	95
21) trans-1,2-Dichloroethene	5.104	96	62226	19.509	ug/l	97
22) Diisopropyl ether	6.013	45	144165	19.535	ug/l	96
23) Vinyl Acetate	5.958	43	381862	96.013	ug/l	99
24) 1,1-Dichloroethane	5.909	63	101810	19.903	ug/l	95
25) 2-Butanone	6.890	43	55933	92.728	ug/l	97
26) 2,2-Dichloropropane	6.878	77	91436	20.394	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	69433	19.469	ug/l	99
28) Bromochloromethane	7.244	49	39832	20.047	ug/l	96
29) Tetrahydrofuran	7.262	42	37976	96.936	ug/l	99
30) Chloroform	7.415	83	115625	20.378	ug/l	99
31) Cyclohexane	7.701	56	82489	18.857	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	103303	20.124	ug/l	99
36) 1,1-Dichloropropene	7.829	75	77745	20.200	ug/l	99
37) Ethyl Acetate	6.982	43	28394	20.541	ug/l	97
38) Carbon Tetrachloride	7.817	117	97877	21.282	ug/l	96
39) Methylcyclohexane	9.103	83	92916	19.184	ug/l	94
40) Benzene	8.079	78	247402	20.563	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	15307	20.257	ug/l	#	94
42) 1,2-Dichloroethane	8.159	62	63278	21.243	ug/l		99
43) Isopropyl Acetate	8.195	43	51820	19.521	ug/l		99
44) Trichloroethene	8.860	130	69720	20.921	ug/l		96
45) 1,2-Dichloropropane	9.140	63	54103	20.334	ug/l		96
46) Dibromomethane	9.225	93	34989	21.008	ug/l		99
47) Bromodichloromethane	9.420	83	87089	20.931	ug/l		96
48) Methyl methacrylate	9.219	41	23285	18.974	ug/l		94
49) 1,4-Dioxane	9.231	88	6982	393.308	ug/l		91
51) 4-Methyl-2-Pentanone	10.000	43	140074	100.658	ug/l		100
52) Toluene	10.170	92	163564	21.002	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	73442	20.578	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	87328	20.585	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	46477	20.891	ug/l		98
56) Ethyl methacrylate	10.439	69	47660	18.733	ug/l		97
57) 1,3-Dichloropropane	10.713	76	73654	20.651	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	125085	100.556	ug/l		98
59) 2-Hexanone	10.762	43	91664	99.867	ug/l		98
60) Dibromochloromethane	10.908	129	65090	21.132	ug/l		99
61) 1,2-Dibromoethane	11.012	107	43234	20.584	ug/l		99
64) Tetrachloroethene	10.646	164	80599	21.080	ug/l		96
65) Chlorobenzene	11.438	112	182280	20.111	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.512	131	66284	20.773	ug/l		100
67) Ethyl Benzene	11.518	91	285528	19.258	ug/l		100
68) m/p-Xylenes	11.627	106	239665	40.623	ug/l		97
69) o-Xylene	11.957	106	106876	19.654	ug/l		99
70) Styrene	11.969	104	182708	20.012	ug/l		100
71) Bromoform	12.127	173	38719	20.871	ug/l	#	99
73) Isopropylbenzene	12.255	105	279562	18.799	ug/l		99
74) N-amyl acetate	12.072	43	45327	17.740	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	49468	19.730	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	64108	33.625	ug/l	#	100
77) Bromobenzene	12.530	156	73867	19.657	ug/l		97
78) n-propylbenzene	12.597	91	342875	19.361	ug/l		100
79) 2-Chlorotoluene	12.676	91	200281	19.446	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	235676	19.234	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14374	18.155	ug/l		94
82) 4-Chlorotoluene	12.774	91	212735	19.870	ug/l		100
83) tert-Butylbenzene	12.999	119	205879	18.735	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	241750	19.725	ug/l		98
85) sec-Butylbenzene	13.176	105	309315	19.235	ug/l		99
86) p-Isopropyltoluene	13.292	119	260507	19.078	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	152160	19.937	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	148875	19.695	ug/l		99
89) n-Butylbenzene	13.615	91	225950	18.513	ug/l		99
90) Hexachloroethane	13.883	117	58174	19.391	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	134059	20.139	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7240	18.150	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	72337	19.176	ug/l		99
94) Hexachlorobutadiene	15.023	225	47088	20.289	ug/l		100
95) Naphthalene	15.145	128	109185	17.424	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	64048	19.670	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

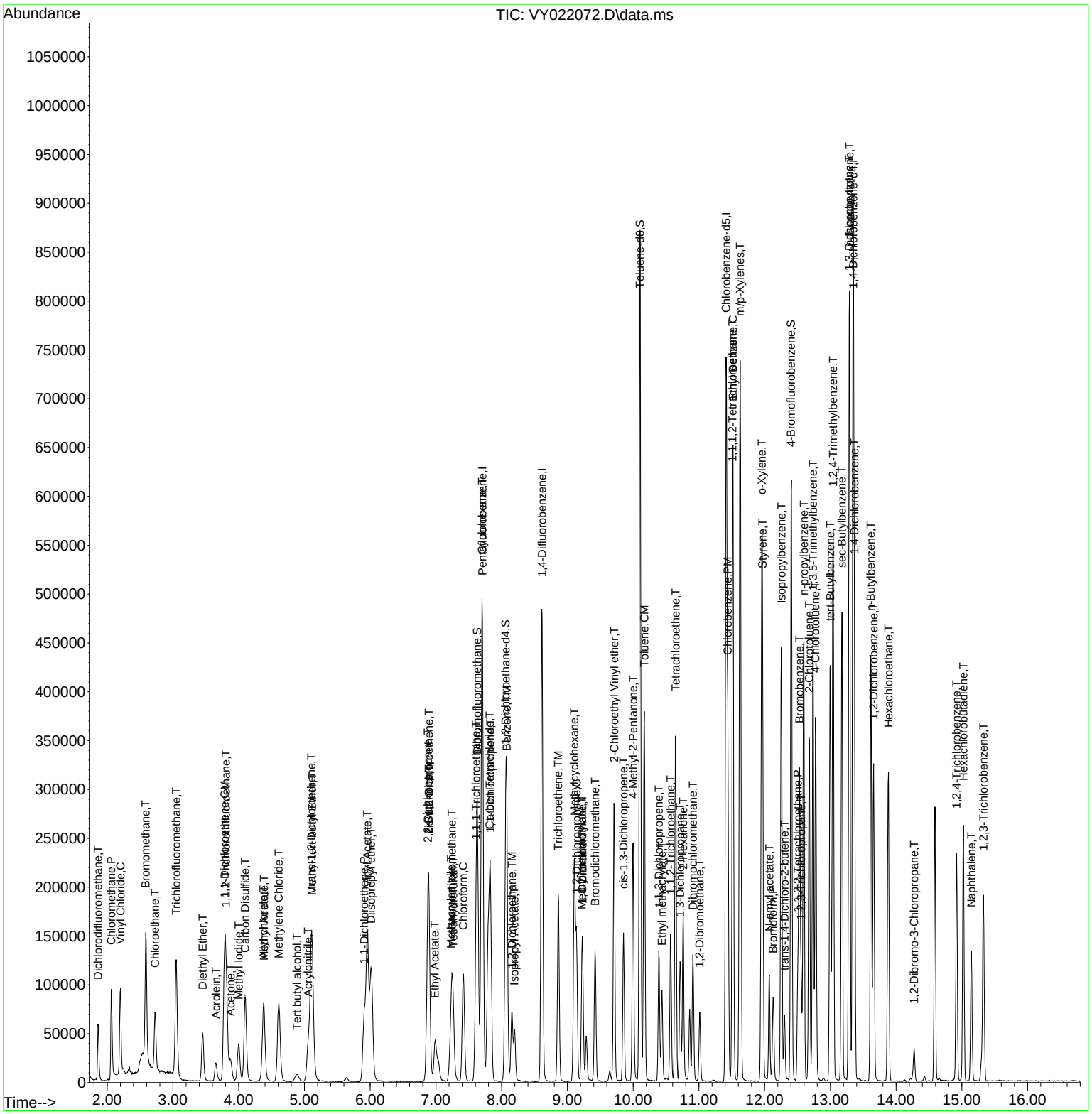
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

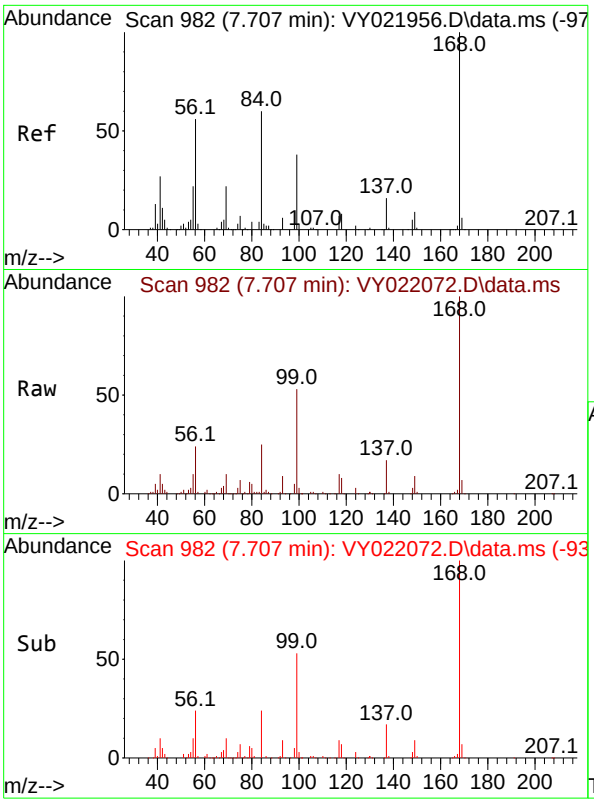
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022072.D
Acq On : 30 Apr 2025 10:30
Operator : SY/MD
Sample : VY0430SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Quant Time: May 01 01:31:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



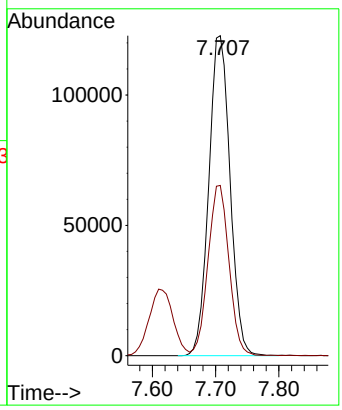


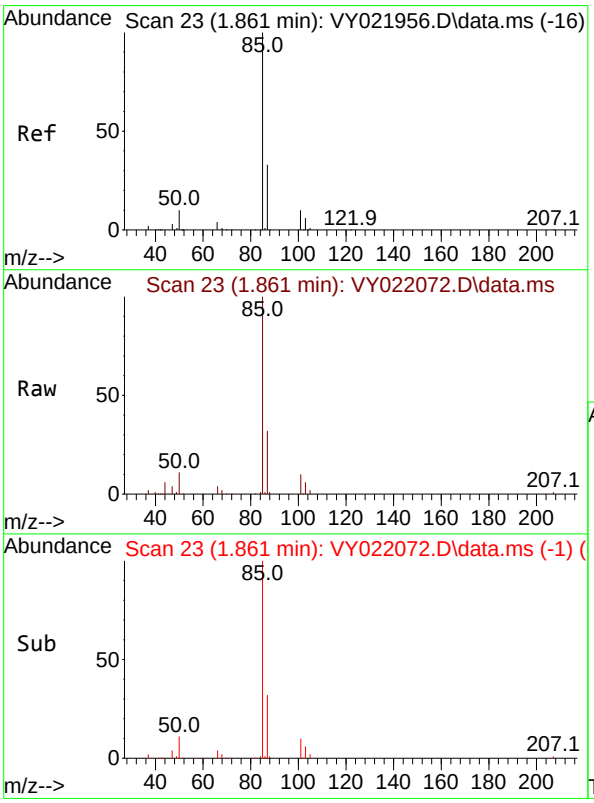
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:168 Resp: 286487

Ion	Ratio	Lower	Upper
168	100		
99	53.1	43.1	64.7

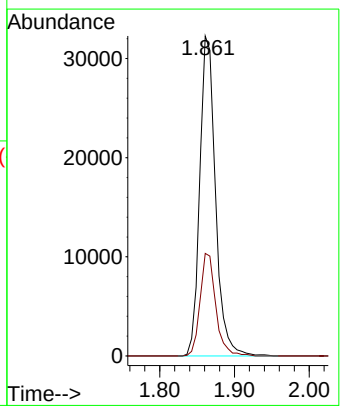


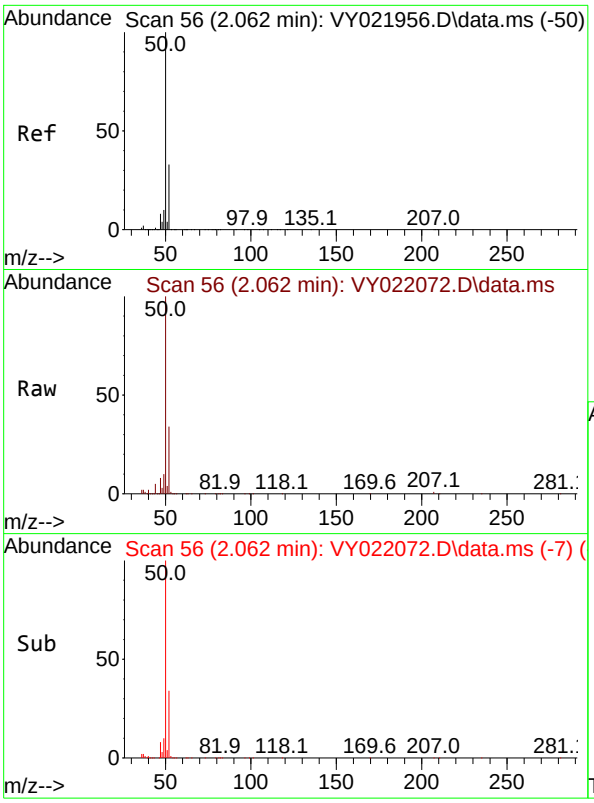


#2
Dichlorodifluoromethane
Concen: 19.336 ug/l
RT: 1.861 min Scan# 23
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 85 Resp: 47203

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.6	49.7



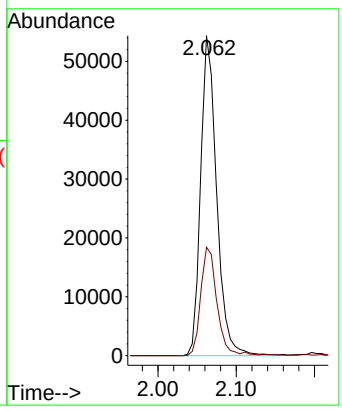


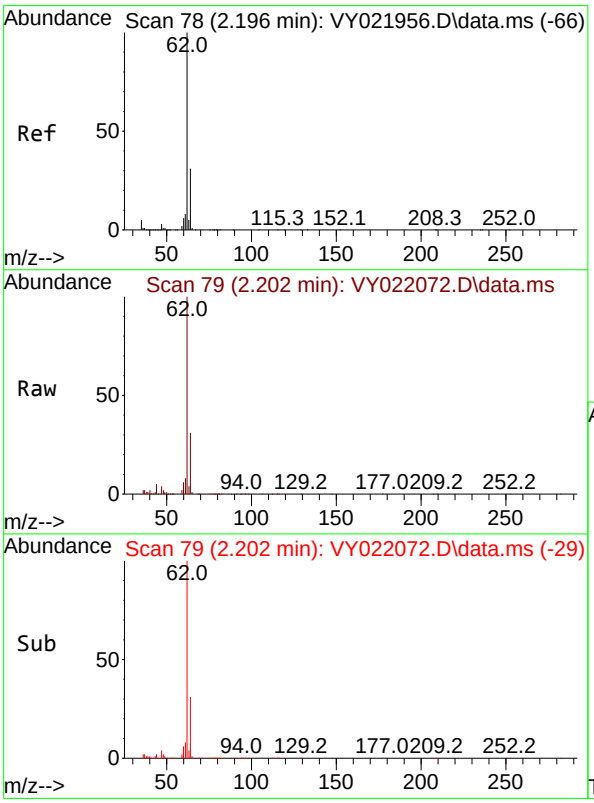
#3
Chloromethane
Concen: 22.176 ug/l
RT: 2.062 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 50 Resp: 77084

Ion	Ratio	Lower	Upper
50	100		
52	33.9	26.1	39.1

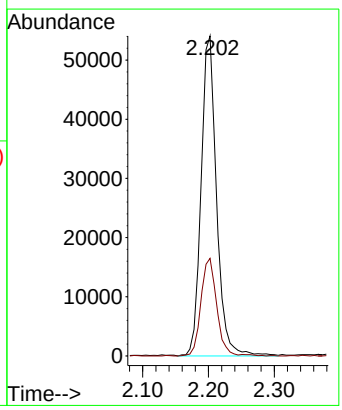


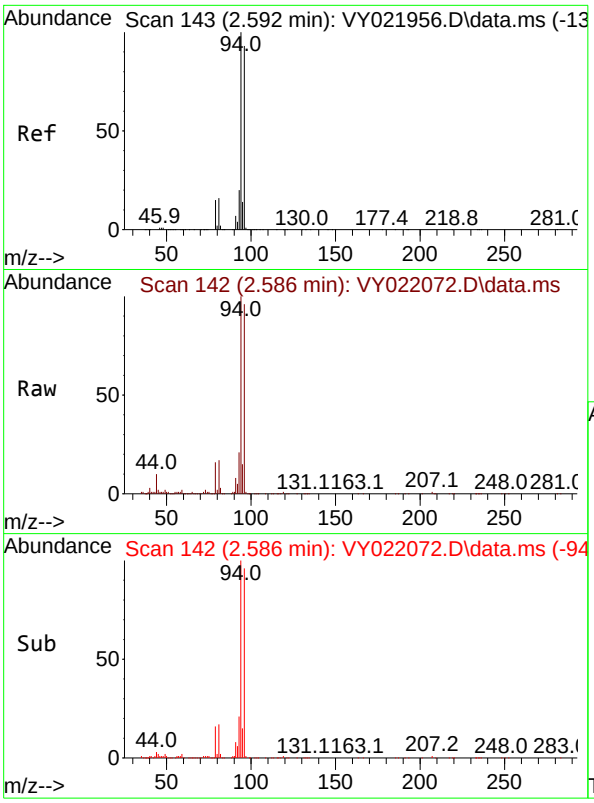


#4
Vinyl Chloride
Concen: 20.704 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 62 Resp: 88437

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.1	37.7



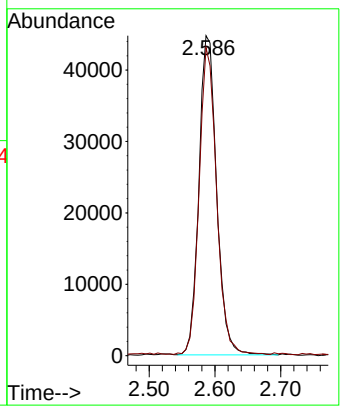


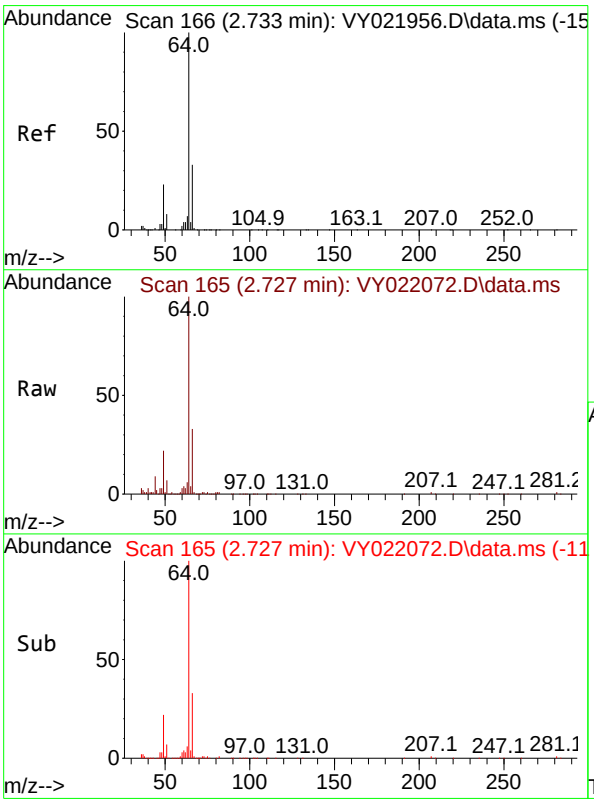
#5
Bromomethane
Concen: 22.751 ug/l
RT: 2.586 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 94 Resp: 83723

Ion	Ratio	Lower	Upper
94	100		
96	95.9	74.6	111.8

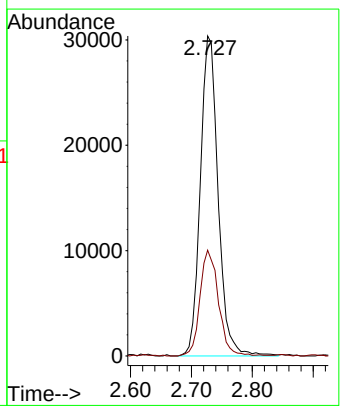


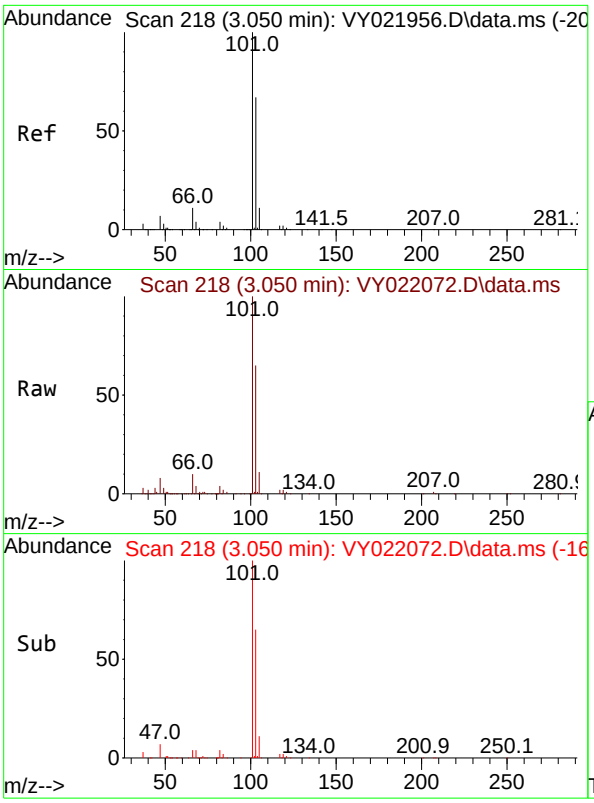


#6
Chloroethane
Concen: 21.186 ug/l
RT: 2.727 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 64 Resp: 61631

Ion	Ratio	Lower	Upper
64	100		
66	33.1	26.2	39.4



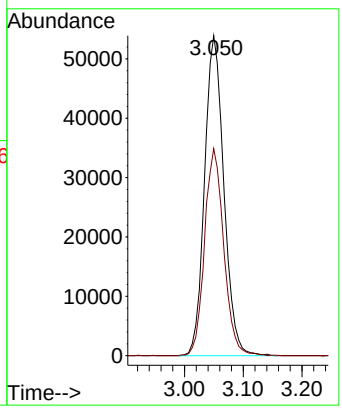


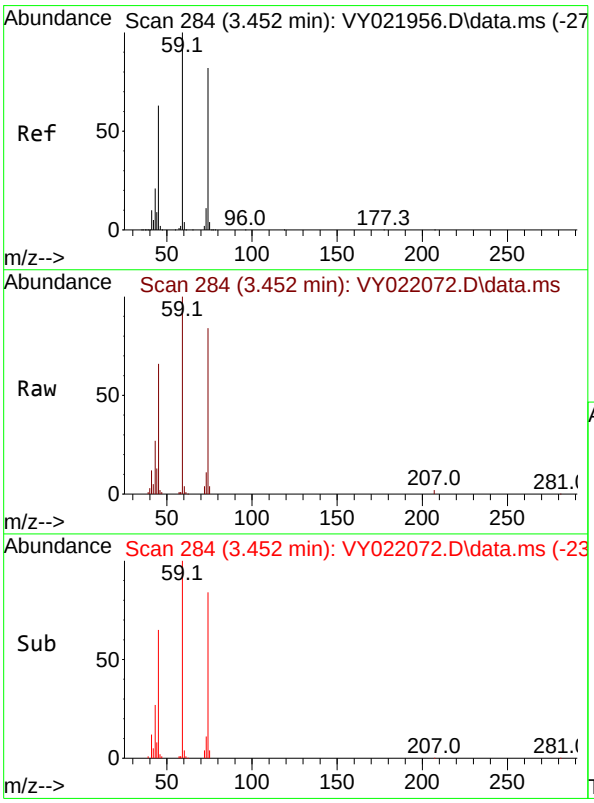
#7
Trichlorofluoromethane
Concen: 21.811 ug/l
RT: 3.050 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:101 Resp: 122851

Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.6	80.4

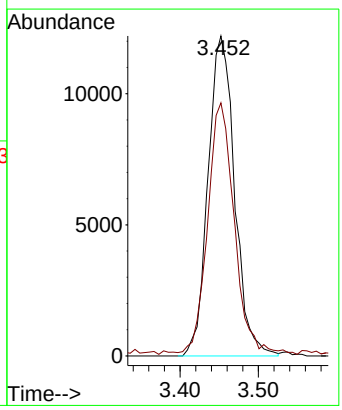


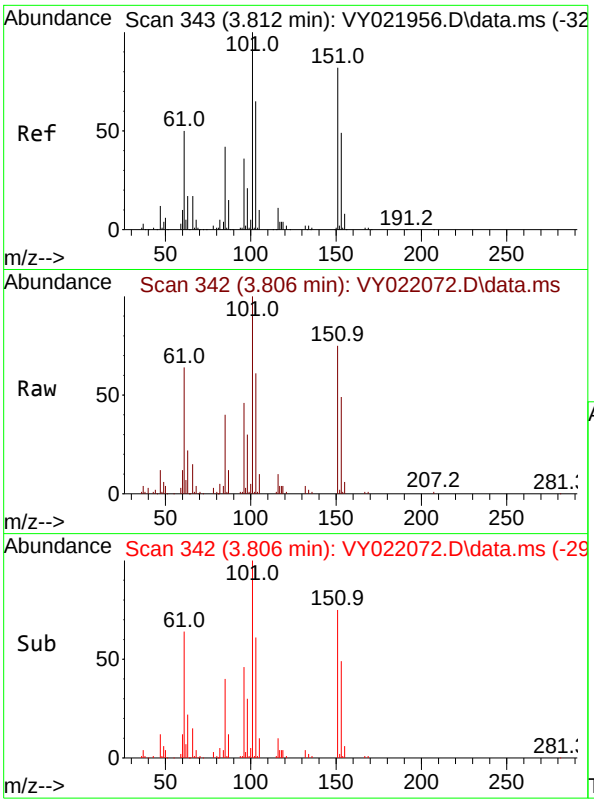


#8
Diethyl Ether
Concen: 19.608 ug/l
RT: 3.452 min Scan# 284
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 74 Resp: 28746

Ion	Ratio	Lower	Upper
74	100		
45	79.0	39.1	117.5



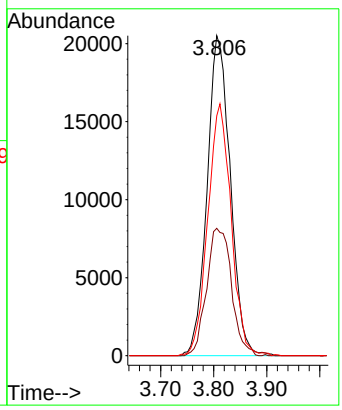


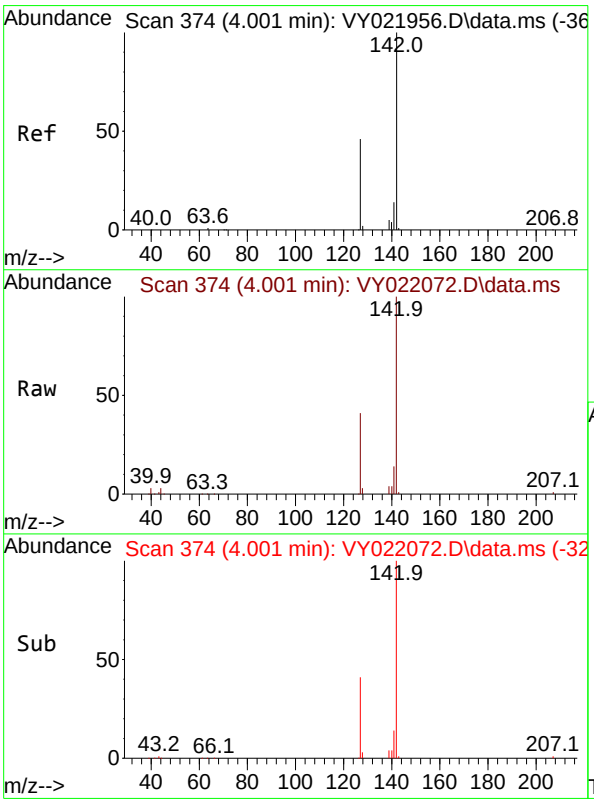
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.385 ug/l
RT: 3.806 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:101 Resp: 62287

Ion	Ratio	Lower	Upper
101	100		
85	42.7	34.6	51.8
151	79.2	63.7	95.5

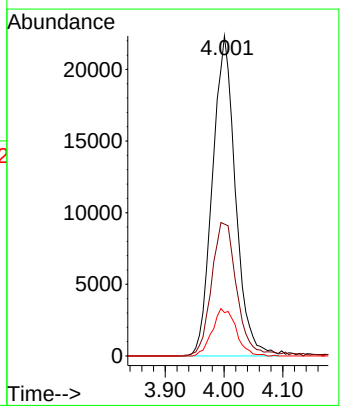


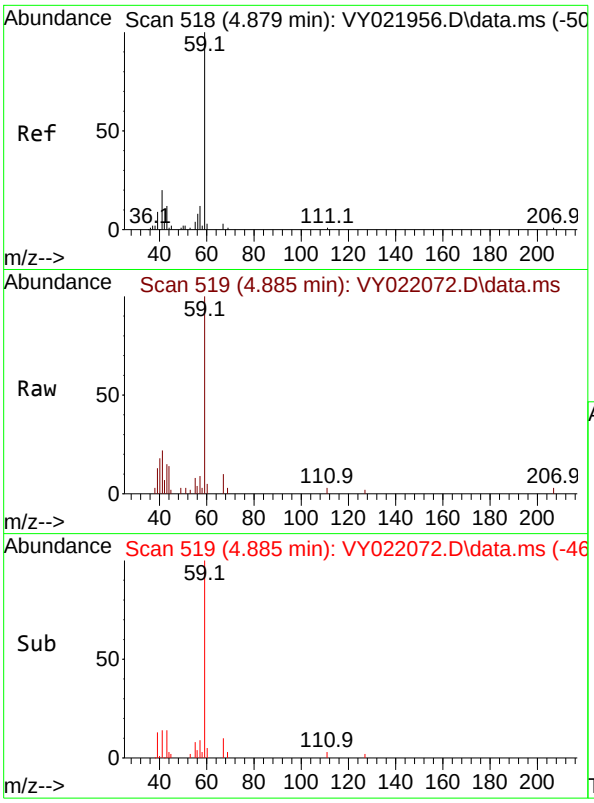


#10
Methyl Iodide
Concen: 17.172 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:142 Resp: 60748

Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.2	54.2
141	15.3	11.7	17.5



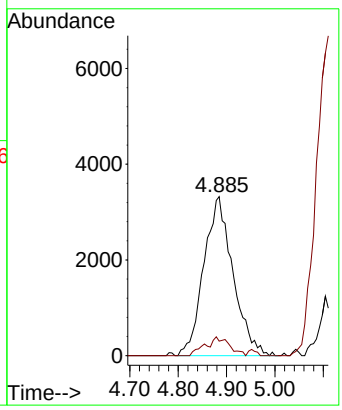


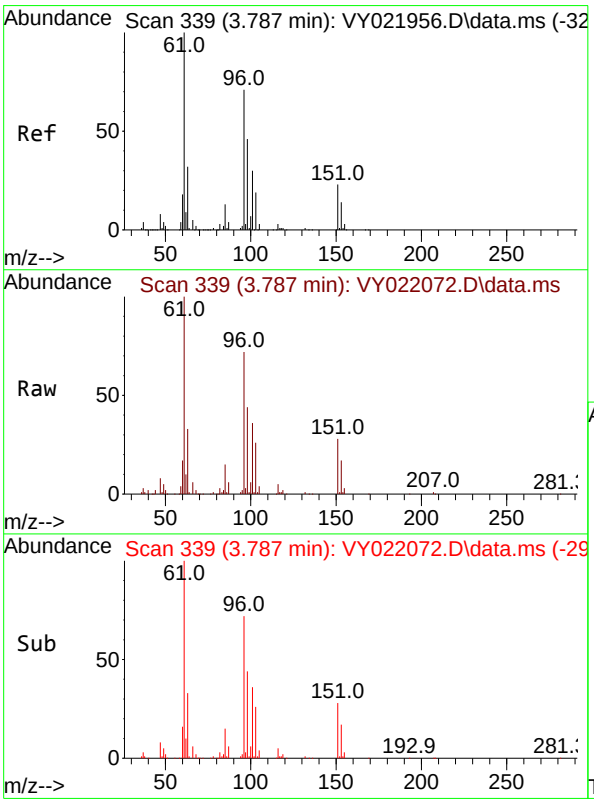
#11
Tert butyl alcohol
Concen: 95.838 ug/l
RT: 4.885 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 59 Resp: 13923

Ion	Ratio	Lower	Upper
59	100		
57	6.5	9.3	13.9#

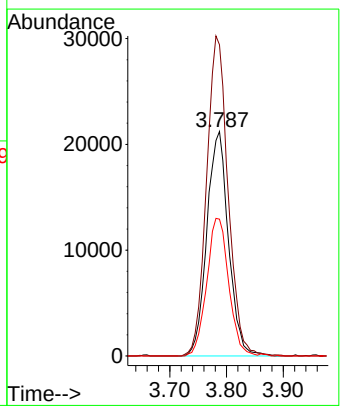


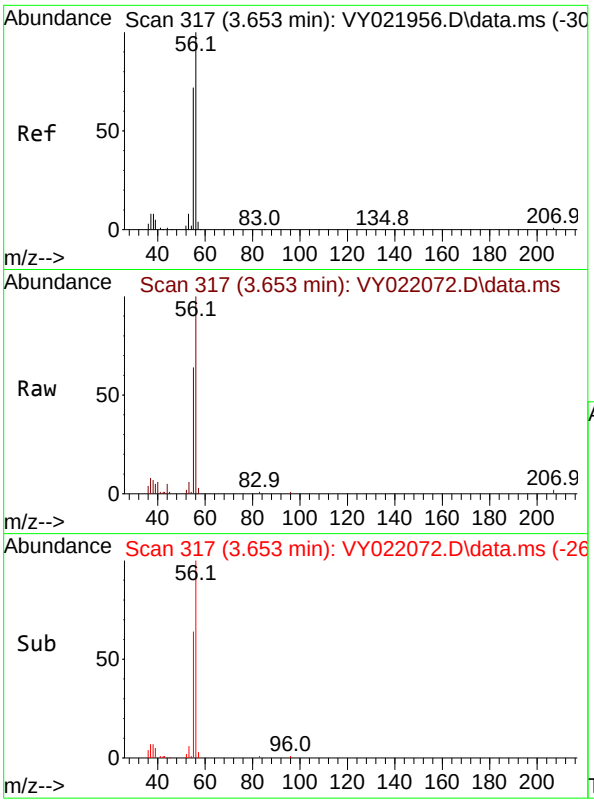


#12
1,1-Dichloroethene
Concen: 19.722 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 96 Resp: 56168

Ion	Ratio	Lower	Upper
96	100		
61	138.7	113.0	169.4
98	60.9	51.4	77.2



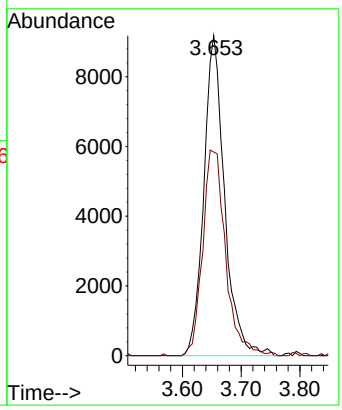


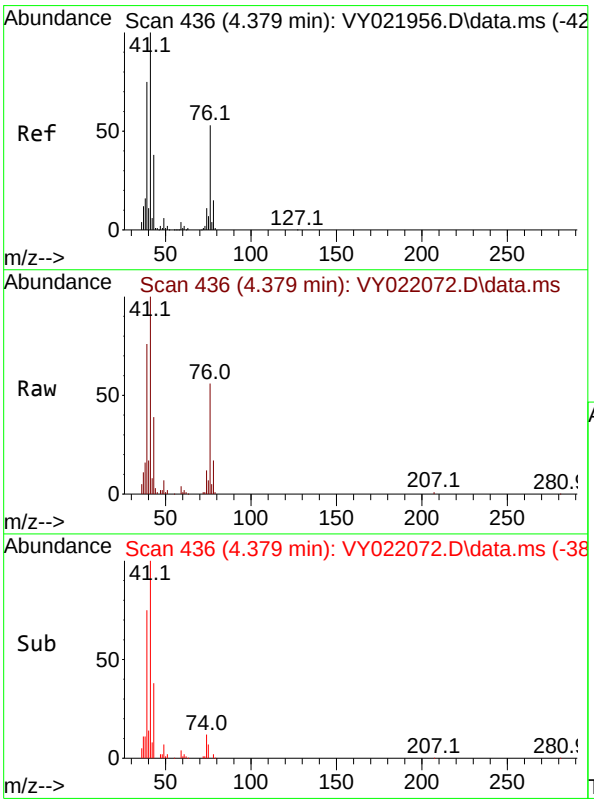
#13
Acrolein
Concen: 86.396 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 56 Resp: 22527

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.4	86.0

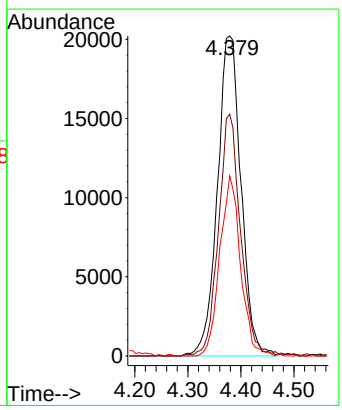


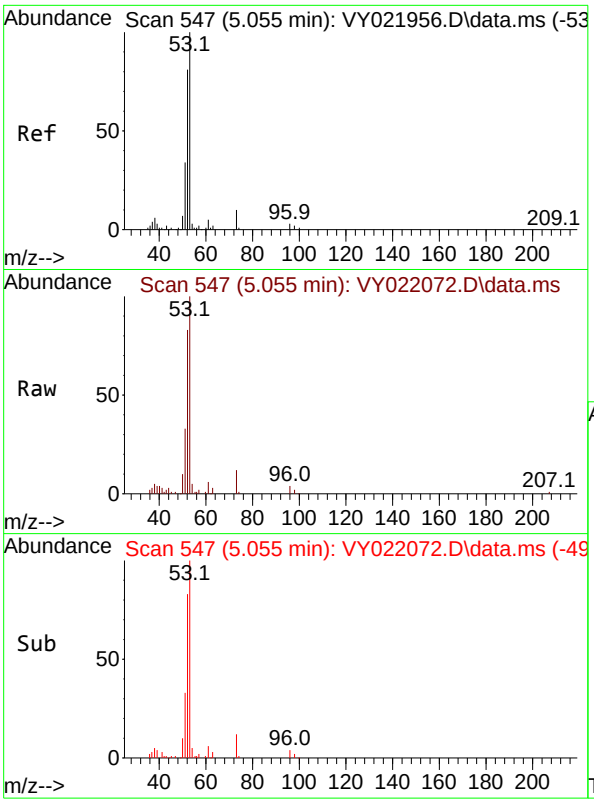


#14
Allyl chloride
Concen: 18.895 ug/l
RT: 4.379 min Scan# 436
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 41 Resp: 62659

Ion	Ratio	Lower	Upper
41	100		
39	70.8	57.2	85.8
76	49.3	39.7	59.5



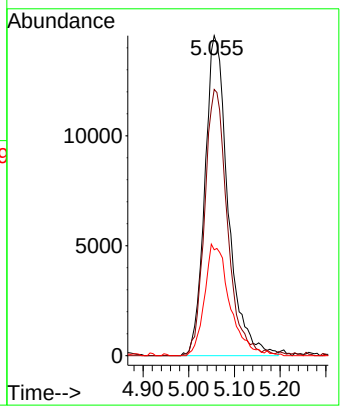


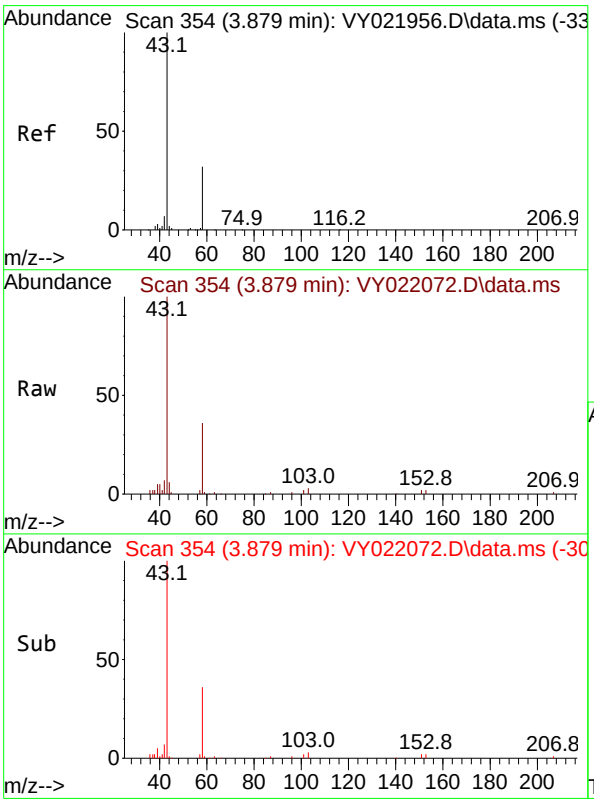
#15
Acrylonitrile
Concen: 95.667 ug/l
RT: 5.055 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 53 Resp: 51344

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.0	97.6
51	37.4	28.9	43.3

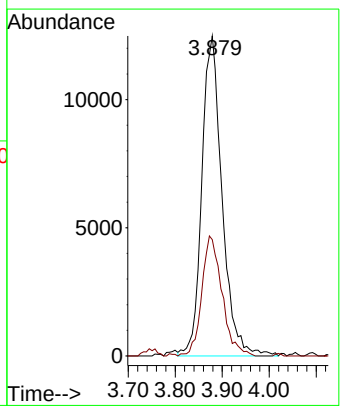


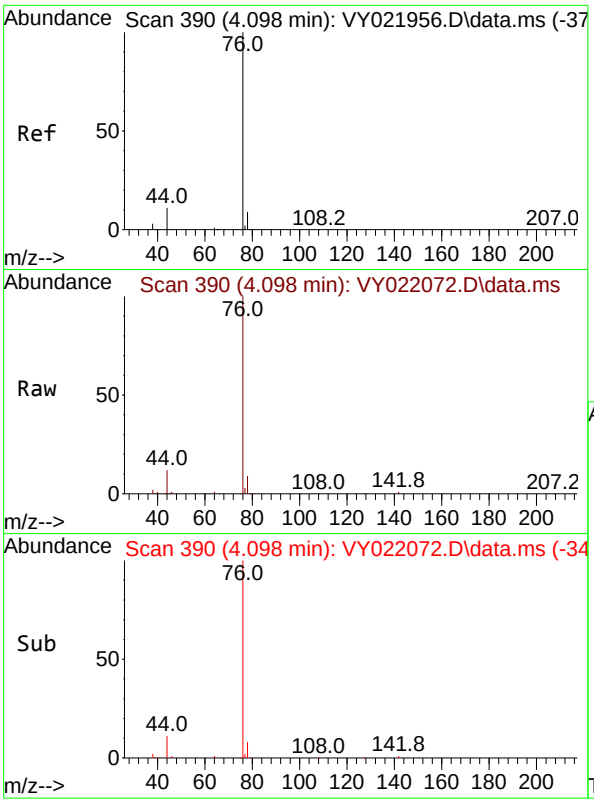


#16
Acetone
Concen: 94.535 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 37345

Ion	Ratio	Lower	Upper
43	100		
58	36.3	27.0	40.4



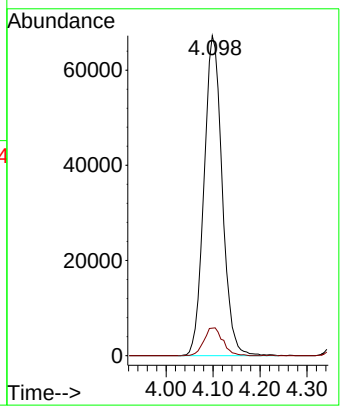


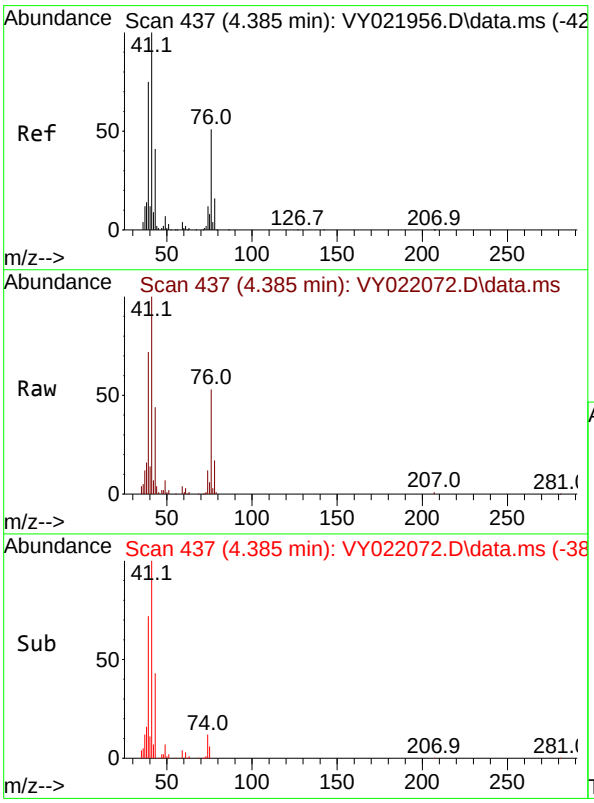
#17
Carbon Disulfide
Concen: 19.861 ug/l
RT: 4.098 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 76 Resp: 180355

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.6	11.4

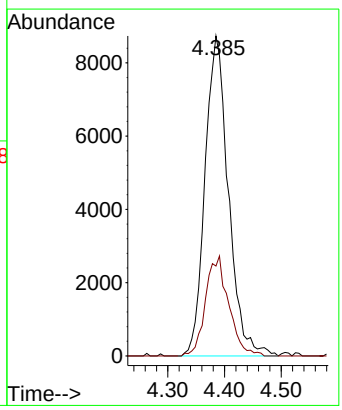


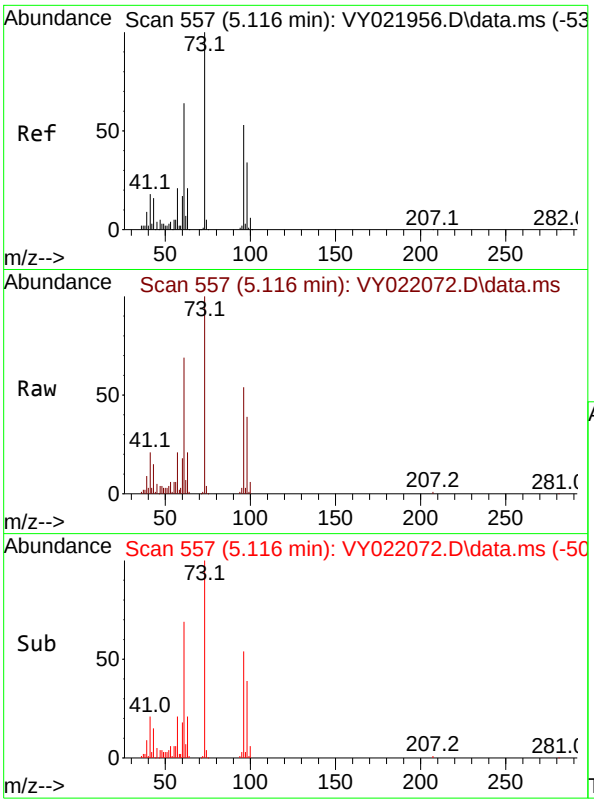


#18
Methyl Acetate
Concen: 20.250 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 25031

Ion	Ratio	Lower	Upper
43	100		
74	30.9	24.2	36.4



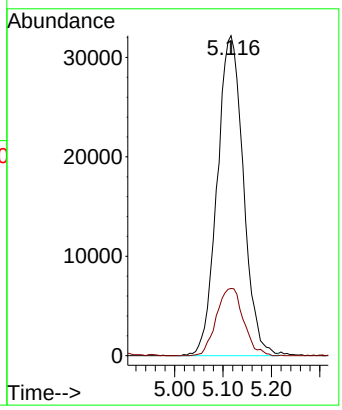


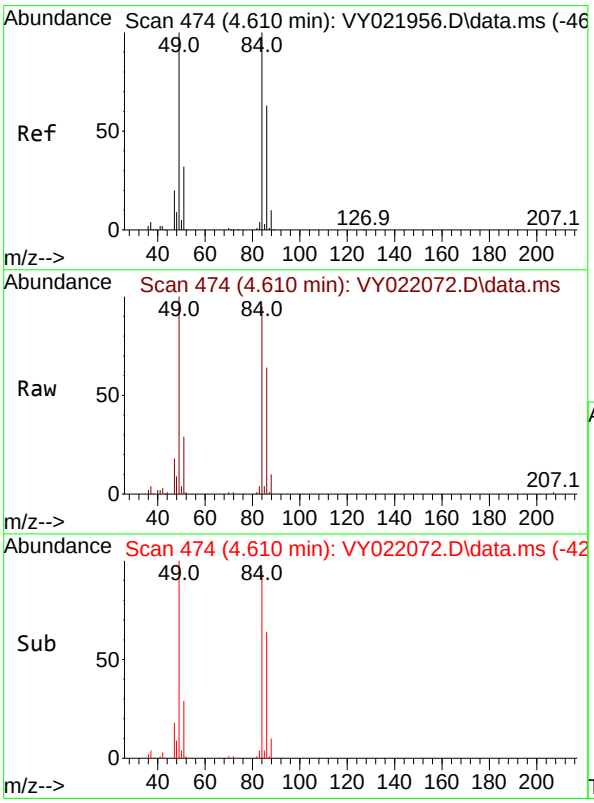
#19
Methyl tert-butyl Ether
Concen: 18.988 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 73 Resp: 121034

Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.9	25.3

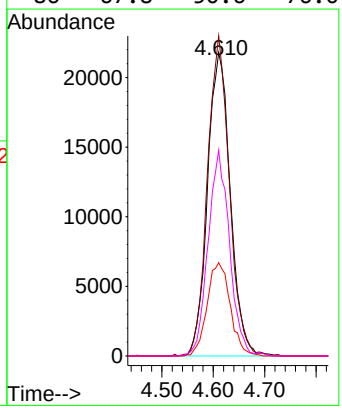


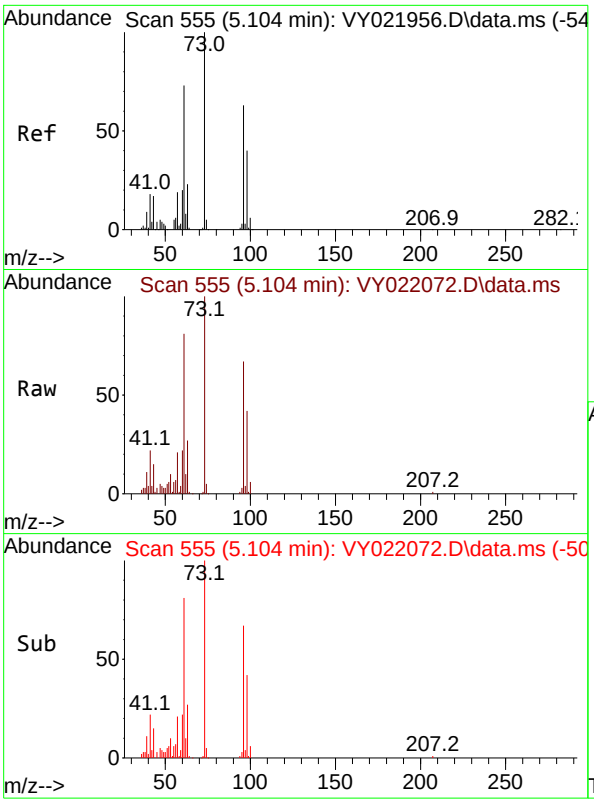


#20
Methylene Chloride
Concen: 20.048 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 84 Resp: 67082

Ion	Ratio	Lower	Upper
84	100		
49	105.5	79.9	119.9
51	30.7	25.4	38.0
86	67.8	50.6	76.0



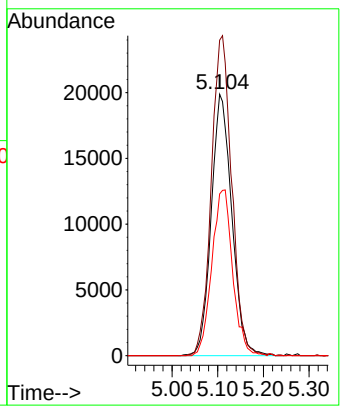


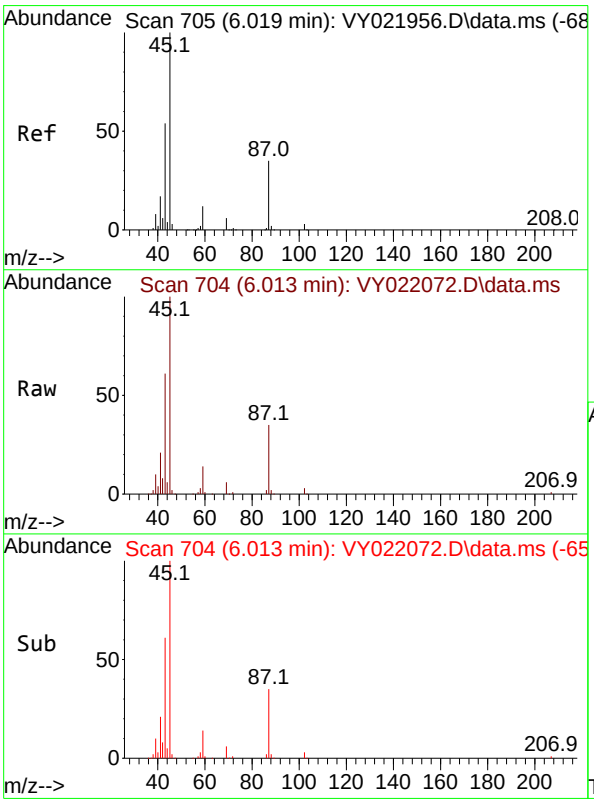
#21
trans-1,2-Dichloroethene
Concen: 19.509 ug/l
RT: 5.104 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 96 Resp: 62226

Ion	Ratio	Lower	Upper
96	100		
61	120.7	92.6	138.8
98	61.9	50.2	75.4

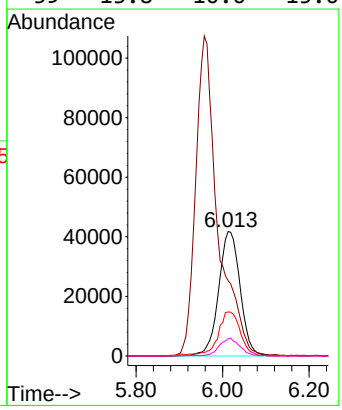


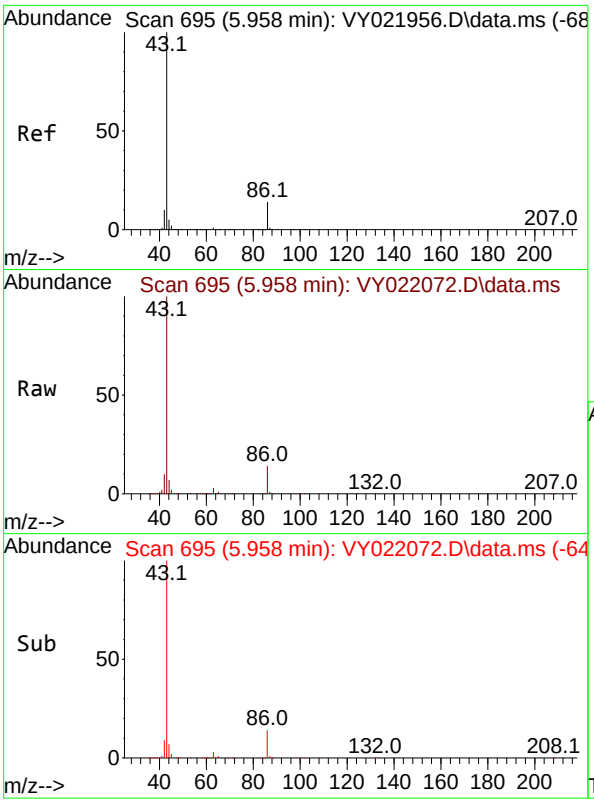


#22
Diisopropyl ether
Concen: 19.535 ug/l
RT: 6.013 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 45 Resp: 144165

Ion	Ratio	Lower	Upper
45	100		
43	59.7	43.6	65.4
87	35.3	28.2	42.4
59	13.8	10.0	15.0



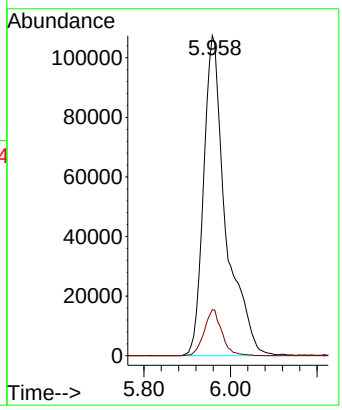


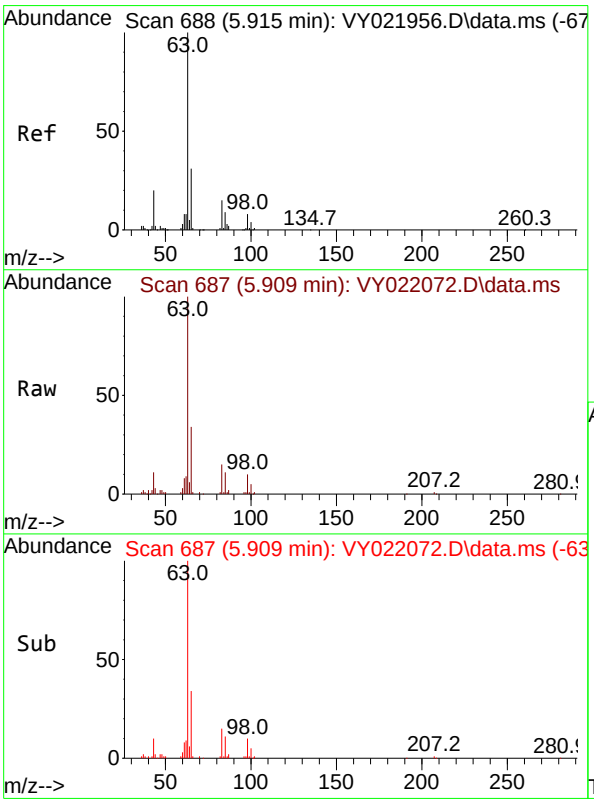
#23
Vinyl Acetate
Concen: 96.013 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 43 Resp: 381862

Ion	Ratio	Lower	Upper
43	100		
86	14.4	11.1	16.7

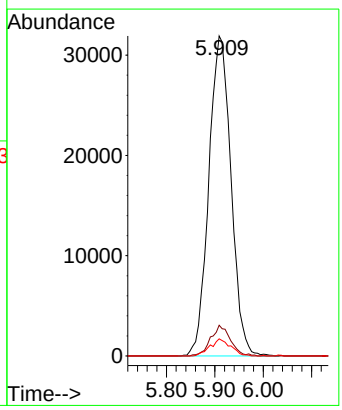


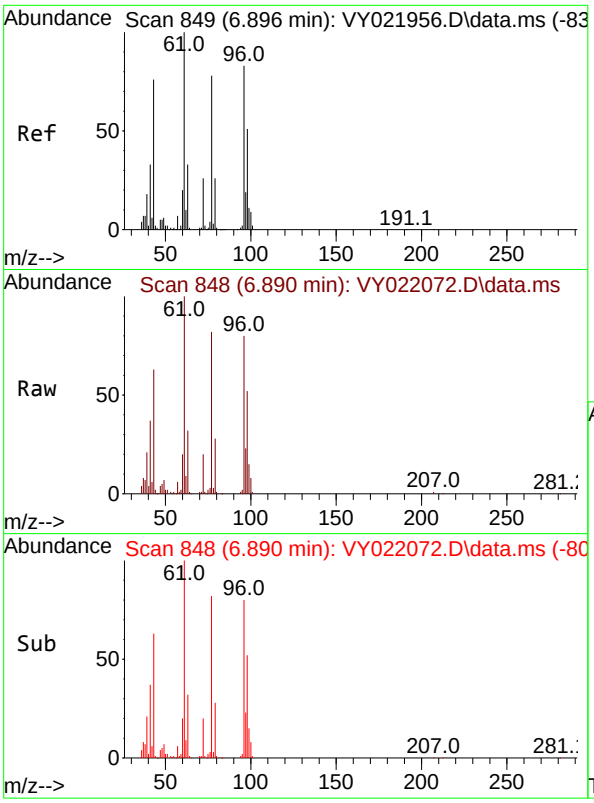


#24
1,1-Dichloroethane
Concen: 19.903 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 63 Resp: 101810

Ion	Ratio	Lower	Upper
63	100		
98	9.6	4.0	11.9
100	5.3	2.0	6.0



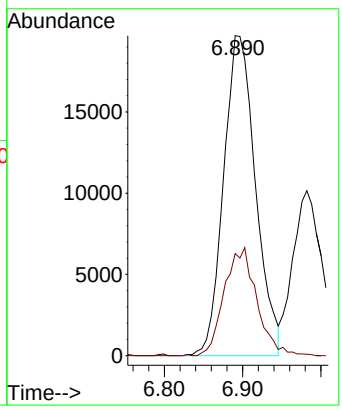


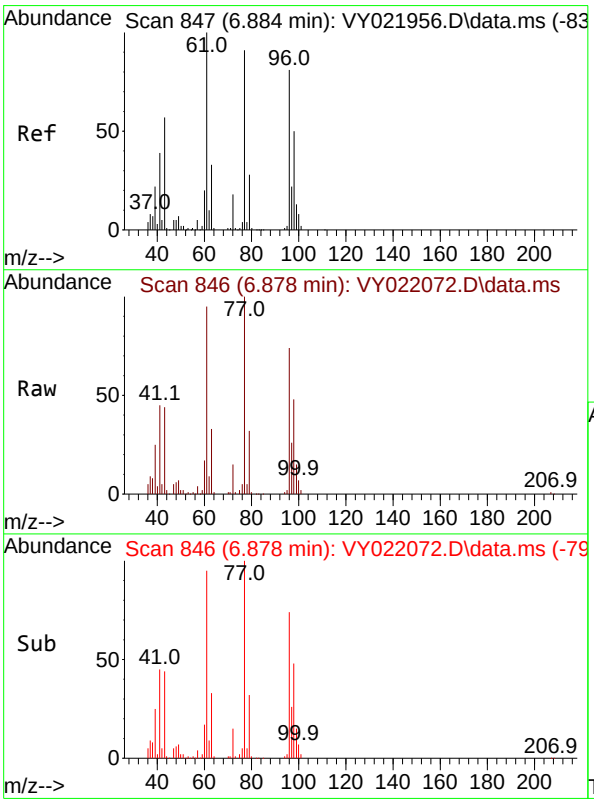
#25
2-Butanone
Concen: 92.728 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 43 Resp: 55933

Ion	Ratio	Lower	Upper
43	100		
72	31.9	27.0	40.4

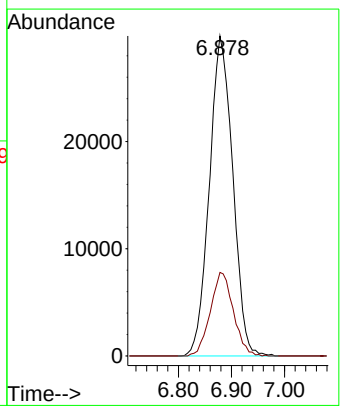


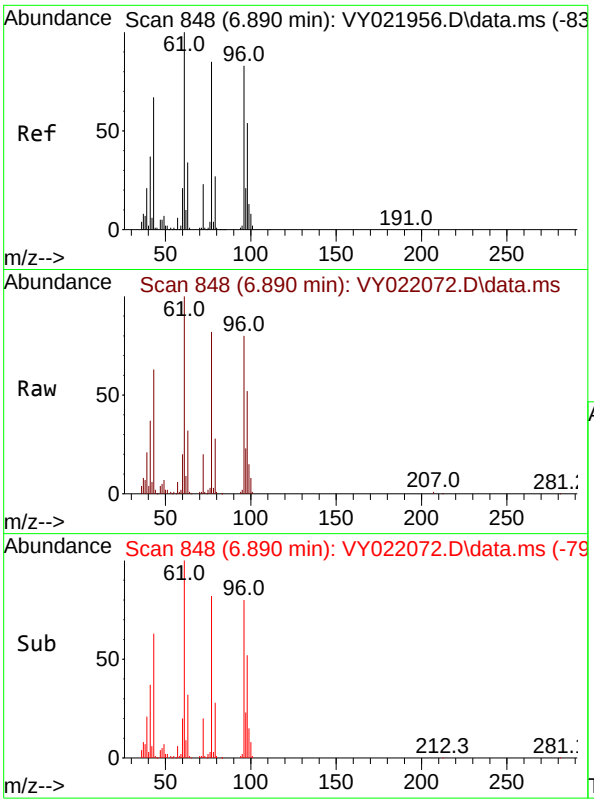


#26
2,2-Dichloropropane
Concen: 20.394 ug/l
RT: 6.878 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 77 Resp: 91436

Ion	Ratio	Lower	Upper
77	100		
97	25.7	12.4	37.4



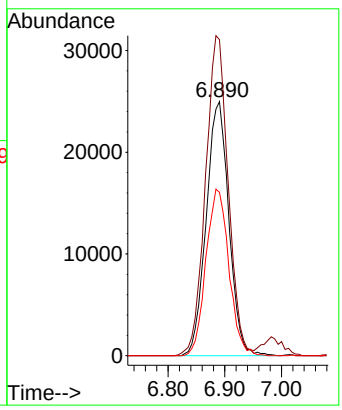


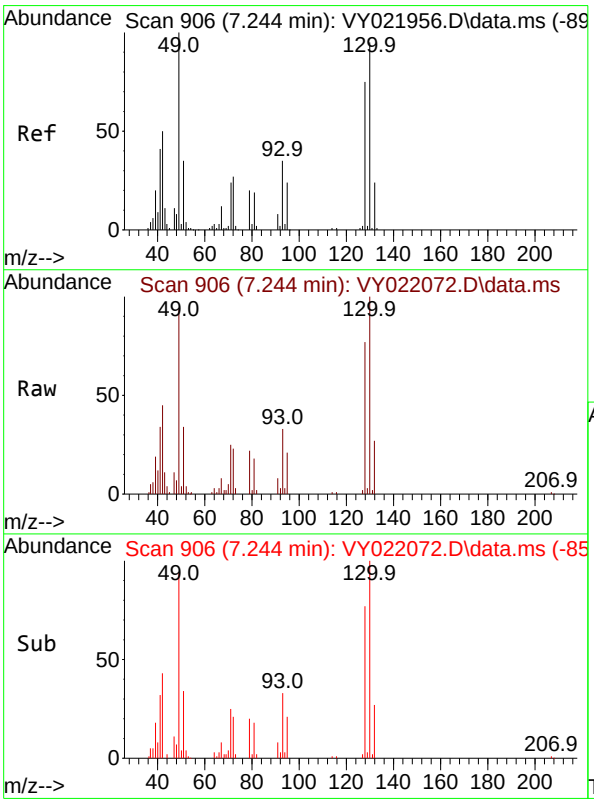
#27
cis-1,2-Dichloroethene
Concen: 19.469 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 96 Resp: 69433

Ion	Ratio	Lower	Upper
96	100		
61	125.8	0.0	251.4
98	66.5	0.0	128.4

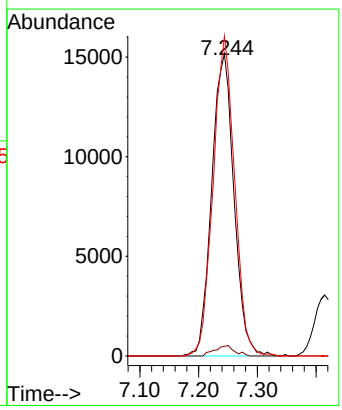


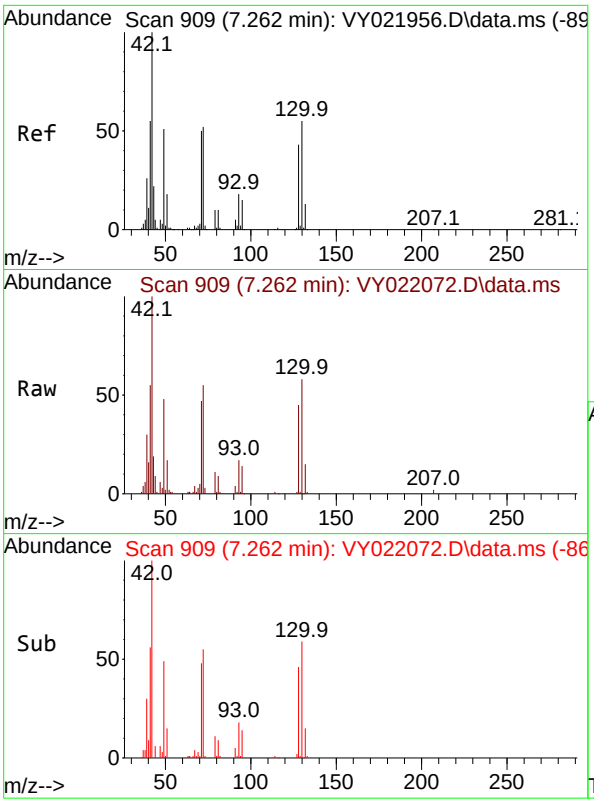


#28
Bromochloromethane
Concen: 20.047 ug/l
RT: 7.244 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 49 Resp: 39832

Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.0
130	102.2	78.2	117.4



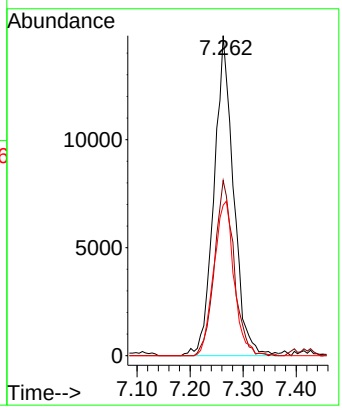


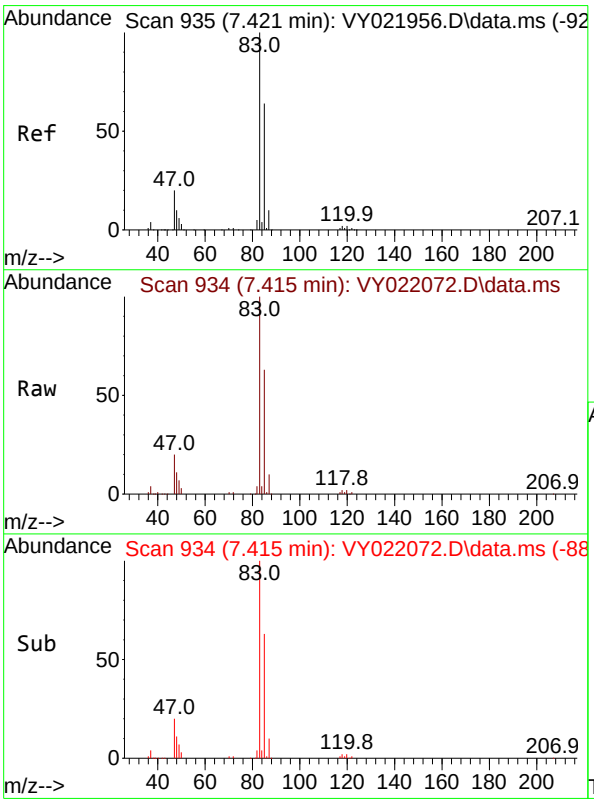
#29
Tetrahydrofuran
Concen: 96.936 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 42 Resp: 37976

Ion	Ratio	Lower	Upper
42	100		
72	54.2	42.6	63.8
71	50.1	40.6	61.0

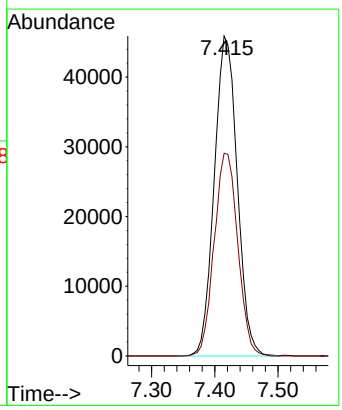


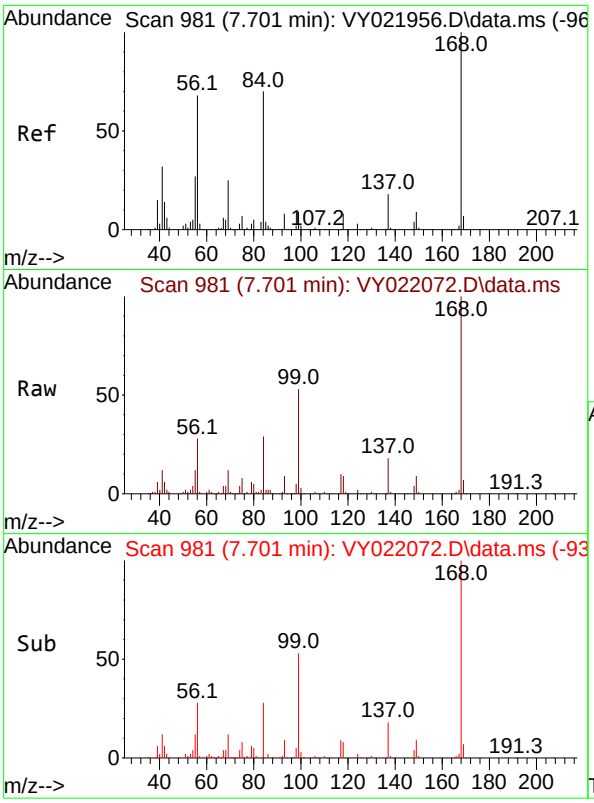


#30
Chloroform
Concen: 20.378 ug/l
RT: 7.415 min Scan# 934
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 83 Resp: 115625

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.3	76.9



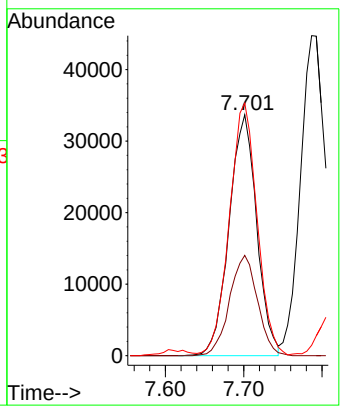


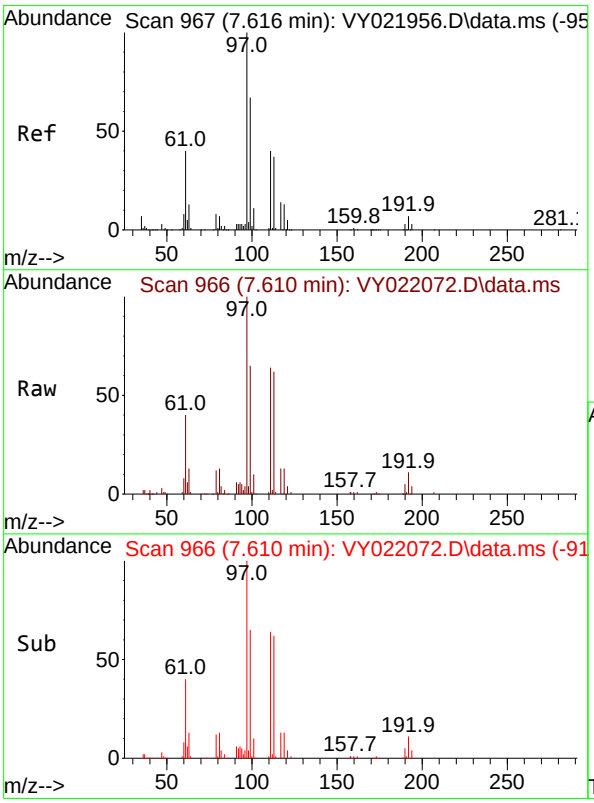
#31
Cyclohexane
Concen: 18.857 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 56 Resp: 82489

Ion	Ratio	Lower	Upper
56	100		
69	41.6	29.4	44.2
84	103.2	82.2	123.4

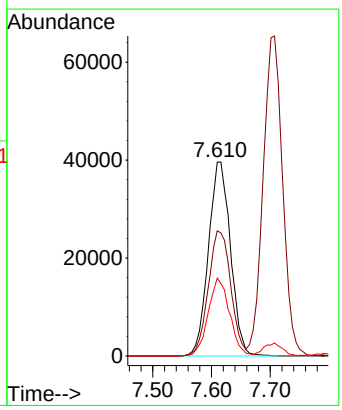


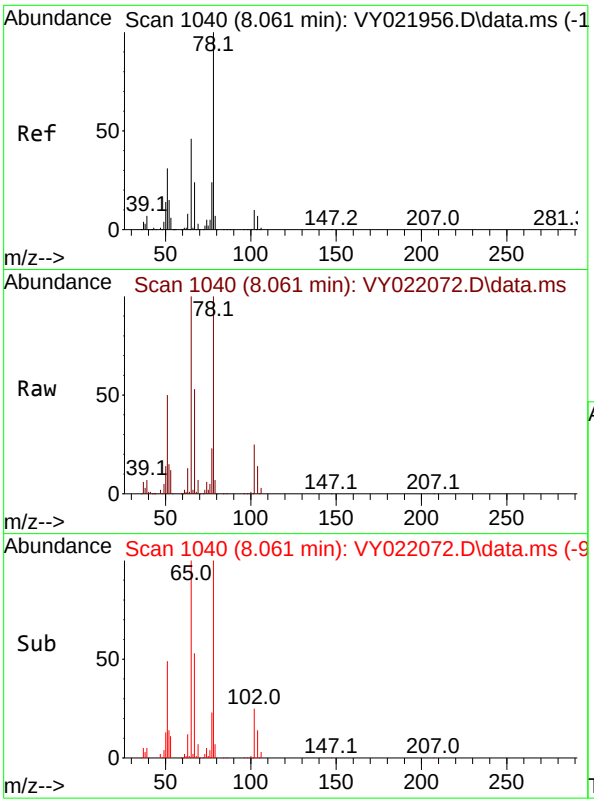


#32
1,1,1-Trichloroethane
Concen: 20.124 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 97 Resp: 103303

Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	38.9	31.4	47.2



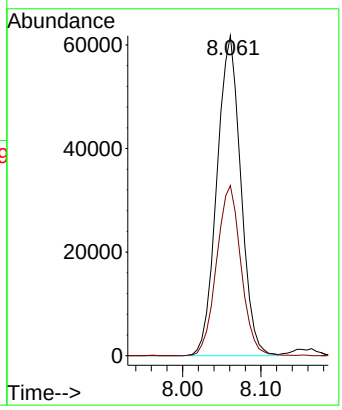


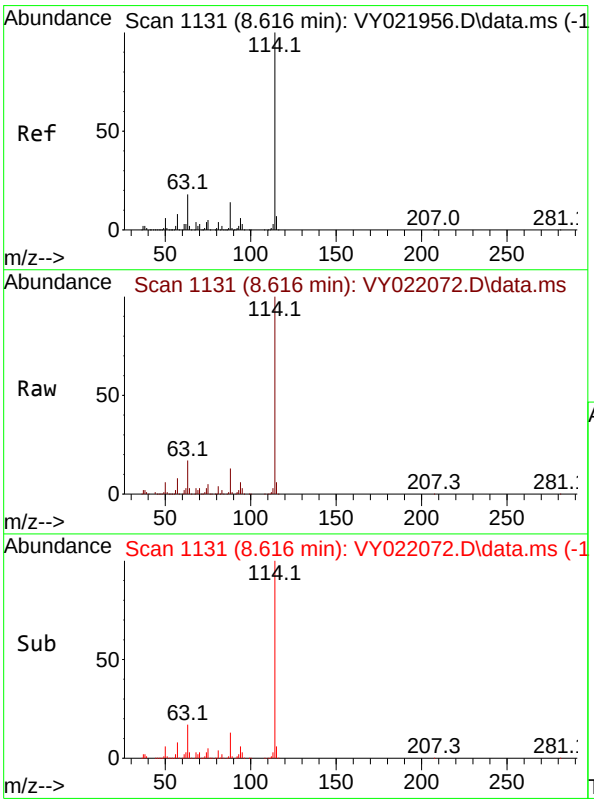
#33
1,2-Dichloroethane-d4
Concen: 49.509 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 65 Resp: 131013

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.8

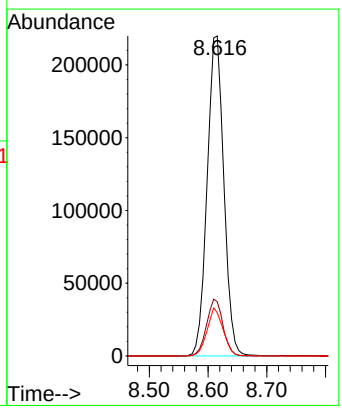


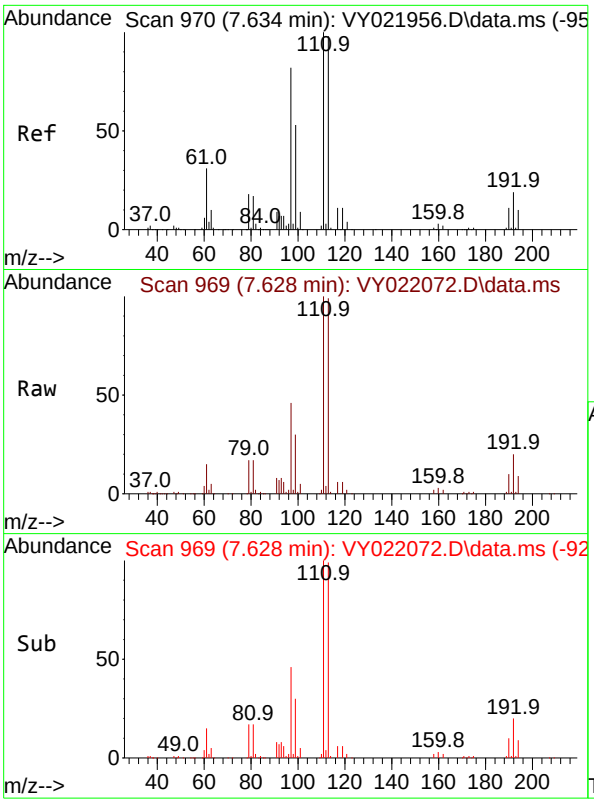


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:114 Resp: 433702

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.4
88	13.5	0.0	28.2



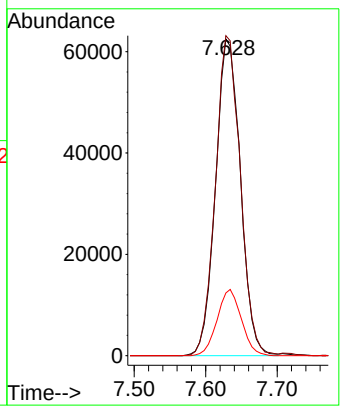


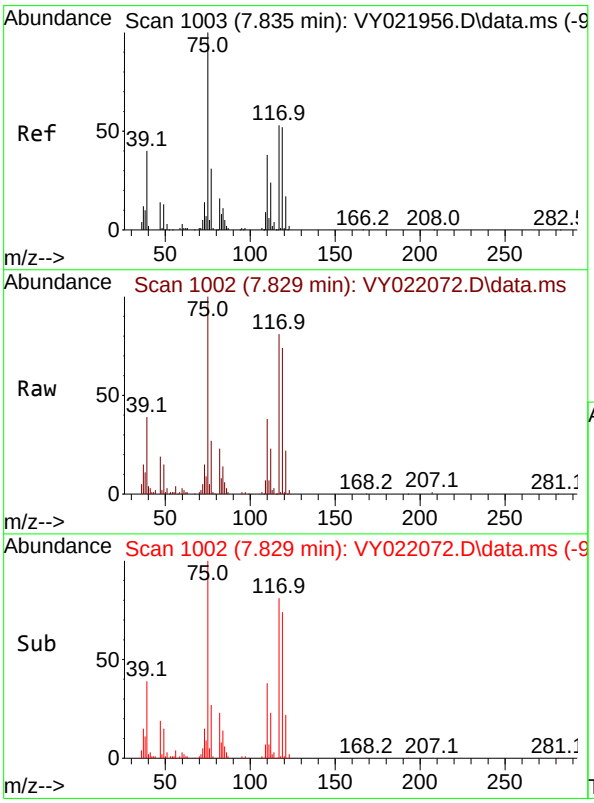
#35
Dibromofluoromethane
Concen: 52.643 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:113 Resp: 150835

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.8
192	20.4	15.6	23.4

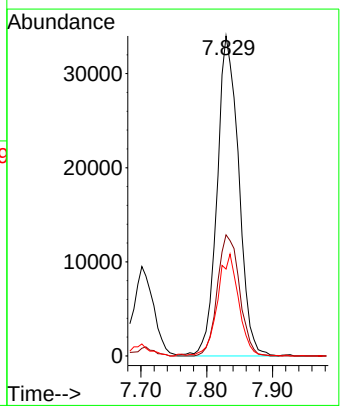


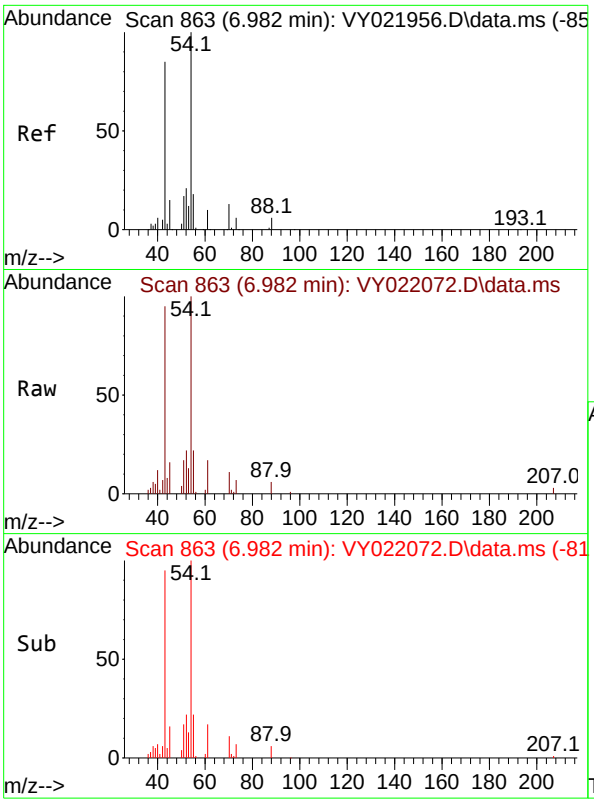


#36
1,1-Dichloropropene
Concen: 20.200 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 77745

Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.1	57.3
77	31.3	25.5	38.3



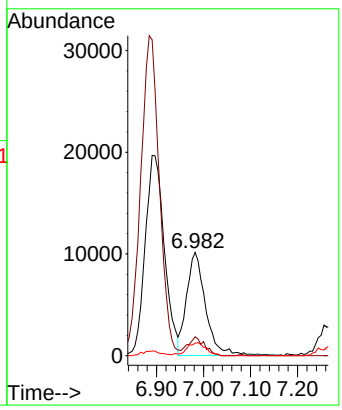


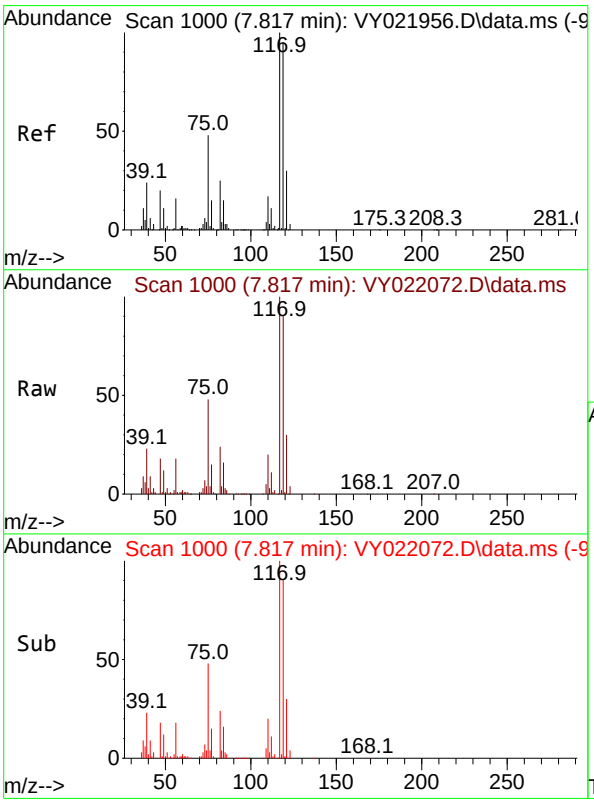
#37
Ethyl Acetate
Concen: 20.541 ug/l
RT: 6.982 min Scan# 8
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 43 Resp: 28394

Ion	Ratio	Lower	Upper
43	100		
61	16.1	13.8	20.6
70	12.7	9.2	13.8

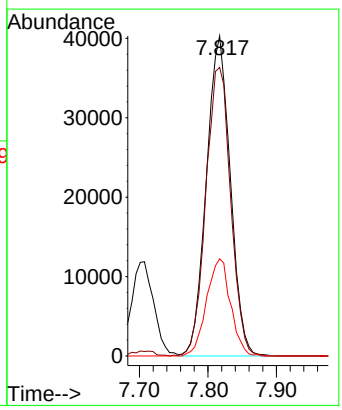


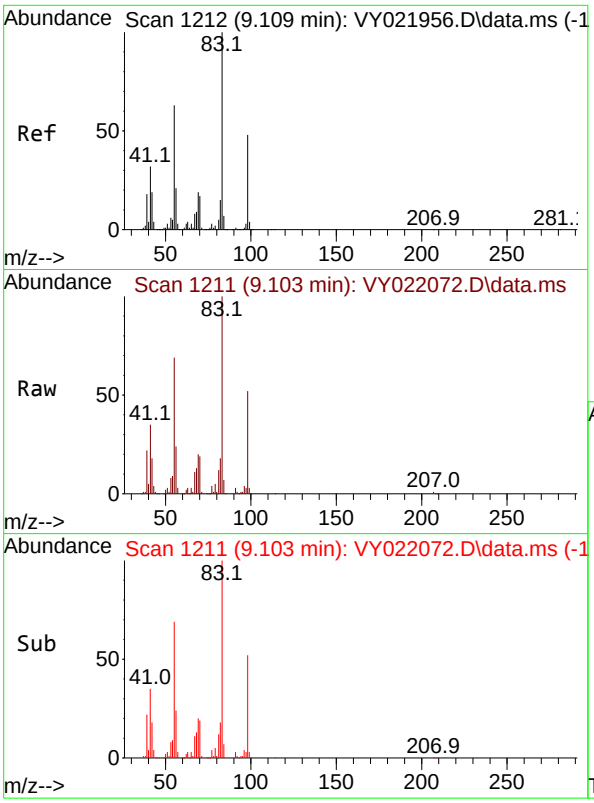


#38
Carbon Tetrachloride
Concen: 21.282 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:117 Resp: 97877

Ion	Ratio	Lower	Upper
117	100		
119	90.2	76.2	114.4
121	30.3	24.0	36.0



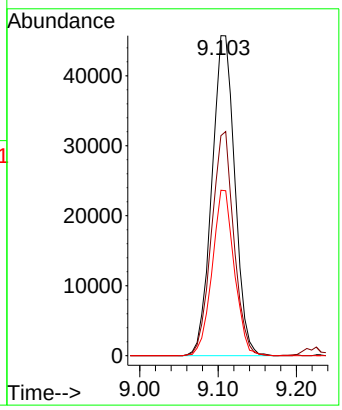


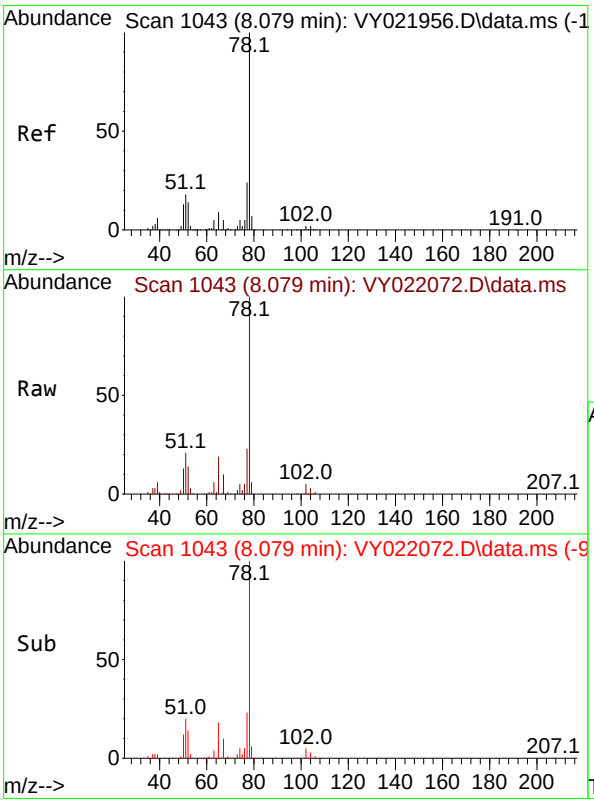
#39
Methylcyclohexane
Concen: 19.184 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 83 Resp: 92916

Ion	Ratio	Lower	Upper
83	100		
55	68.8	50.6	75.8
98	51.7	38.6	58.0

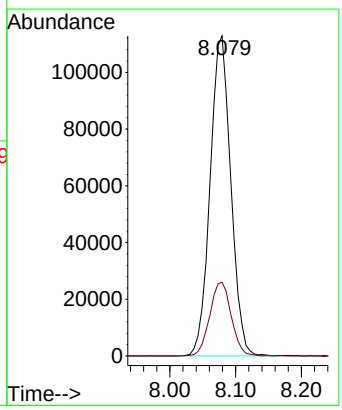


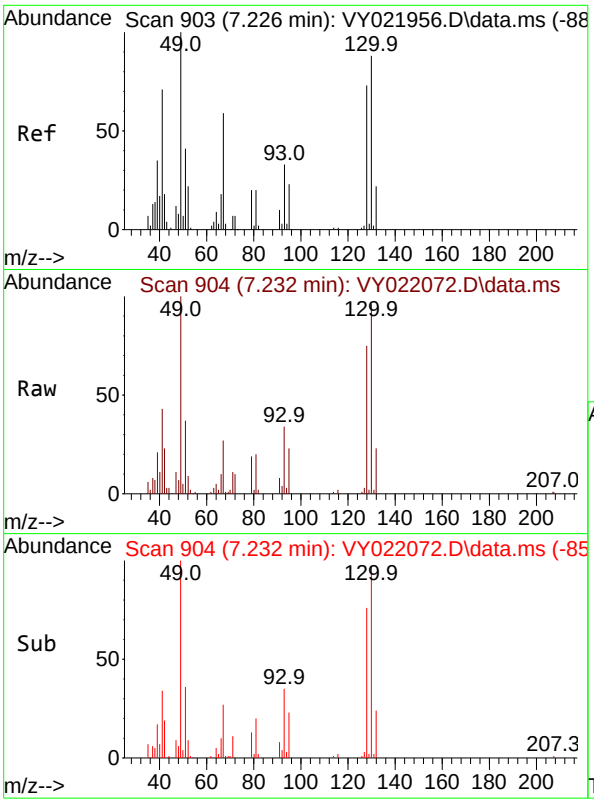


#40
Benzene
Concen: 20.563 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 78 Resp: 247402

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9



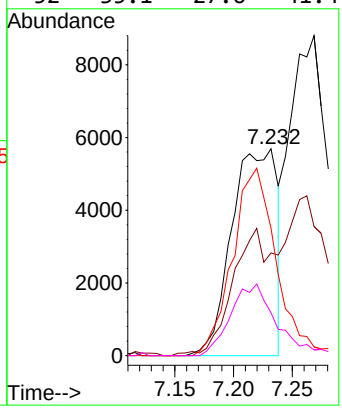


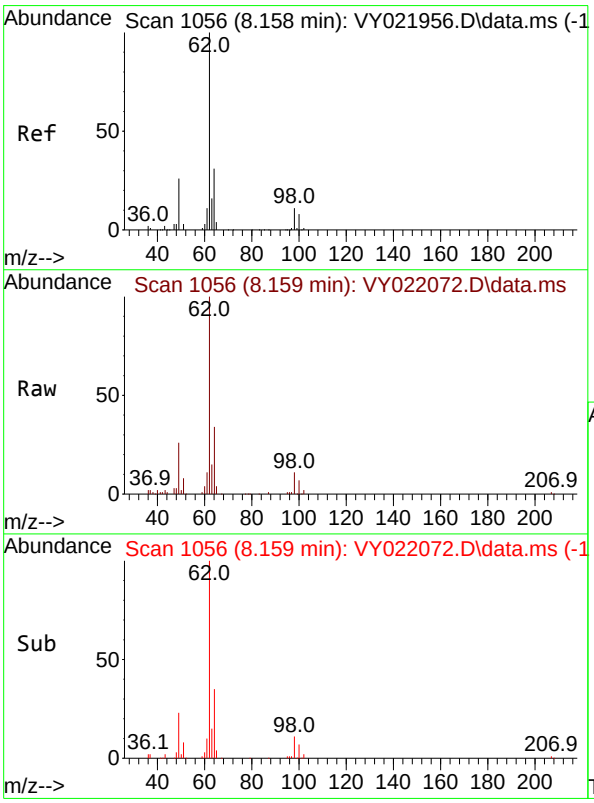
#41
Methacrylonitrile
Concen: 20.257 ug/l
RT: 7.232 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 41 Resp: 15307

Ion	Ratio	Lower	Upper
41	100		
39	56.0	36.6	55.0#
67	87.2	72.2	108.4
52	35.1	27.6	41.4

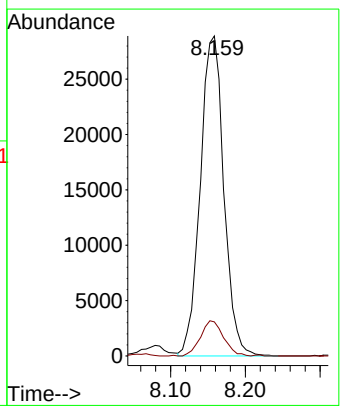


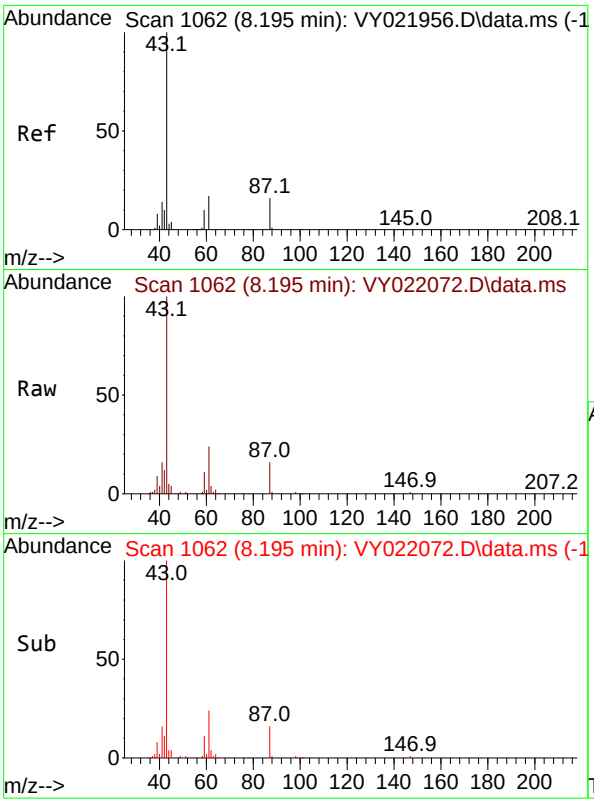


#42
1,2-Dichloroethane
Concen: 21.243 ug/l
RT: 8.159 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 62 Resp: 63278

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



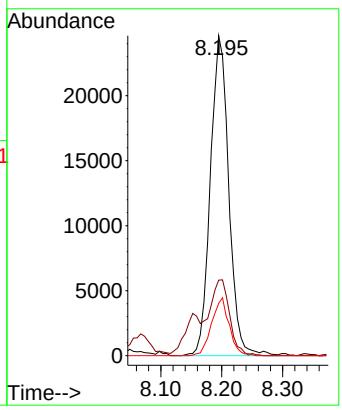


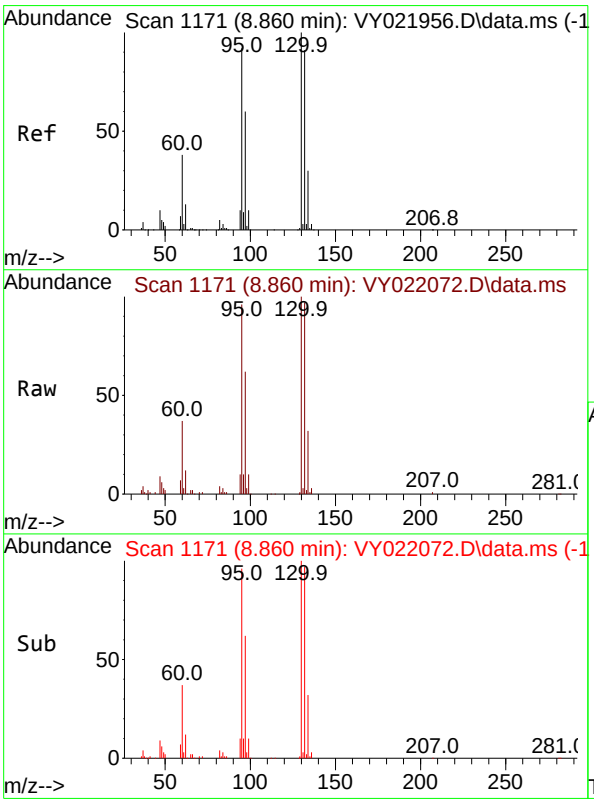
#43
Isopropyl Acetate
Concen: 19.521 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 43 Resp: 51820

Ion	Ratio	Lower	Upper
43	100		
61	24.4	18.9	28.3
87	17.2	13.7	20.5

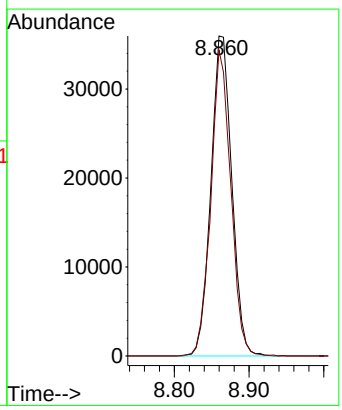


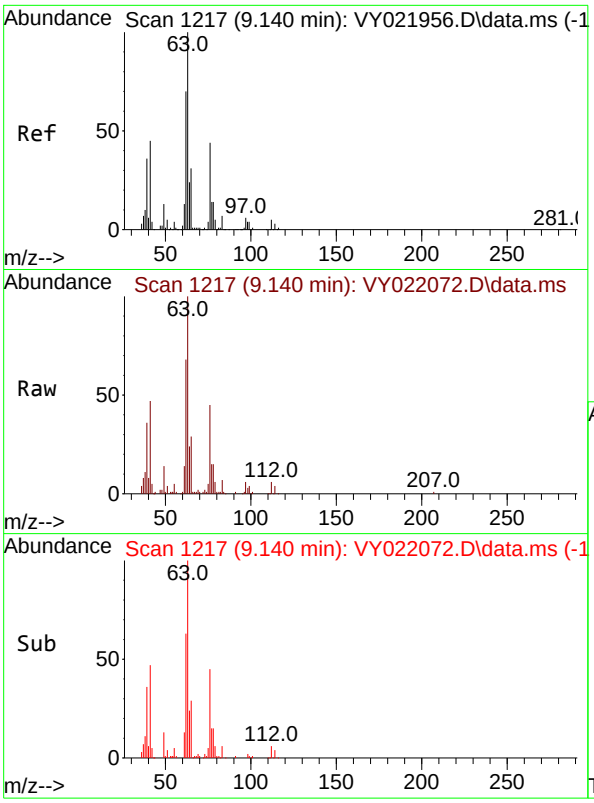


#44
Trichloroethene
Concen: 20.921 ug/l
RT: 8.860 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:130 Resp: 69720

Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	183.2



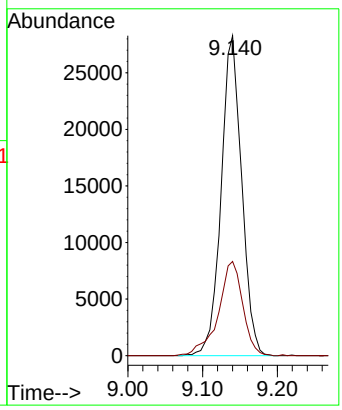


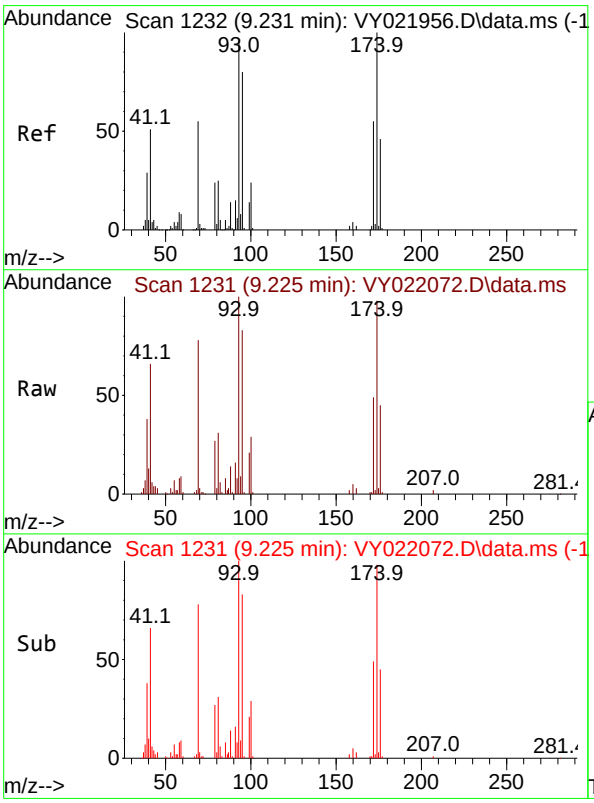
#45
1,2-Dichloropropane
Concen: 20.334 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 63 Resp: 54103

Ion	Ratio	Lower	Upper
63	100		
65	29.5	25.2	37.8

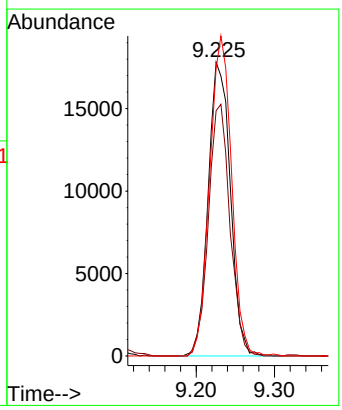


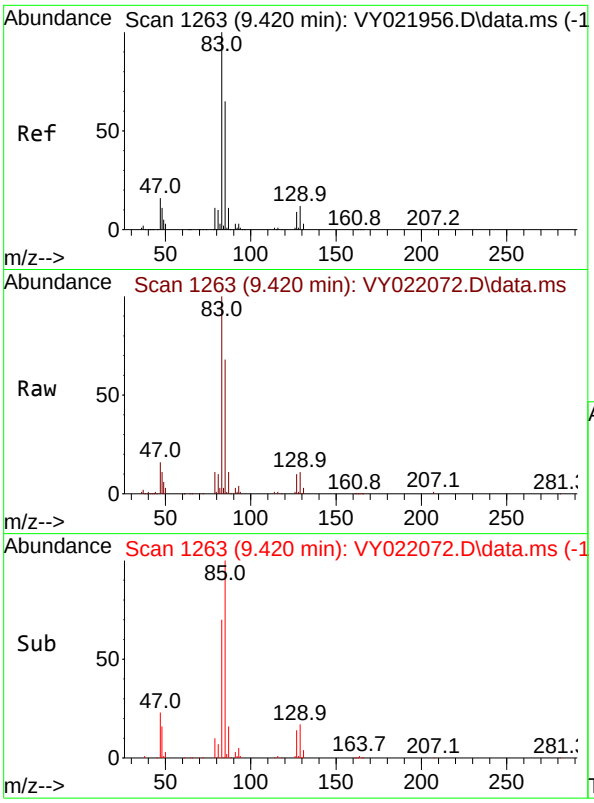


#46
Dibromomethane
Concen: 21.008 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 93 Resp: 34989

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.7	100.1
174	107.7	84.6	127.0



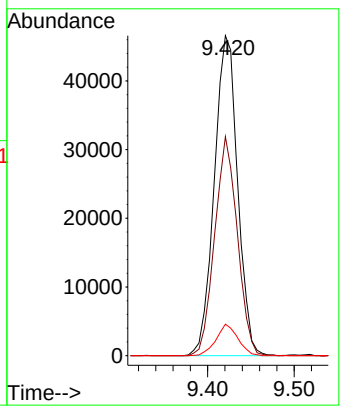


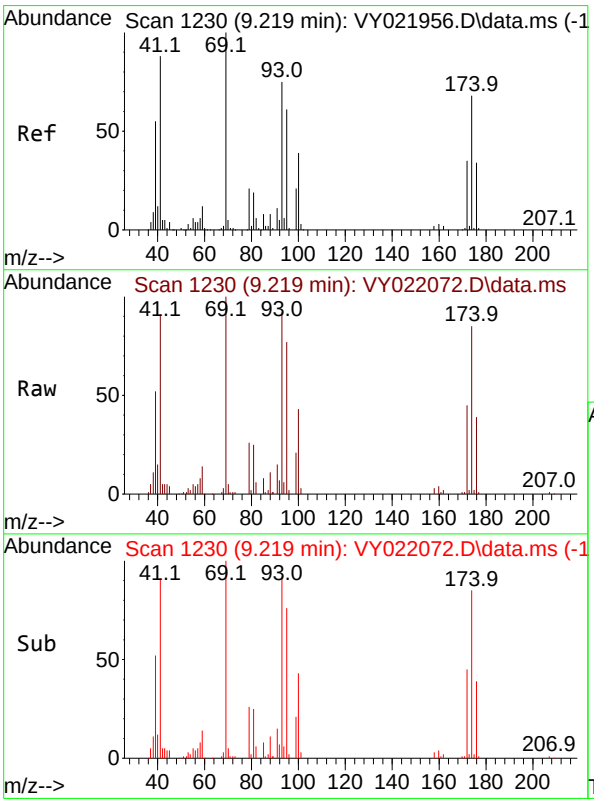
#47
Bromodichloromethane
Concen: 20.931 ug/l
RT: 9.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 83 Resp: 87089

Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.8	77.8
127	9.9	7.0	10.6

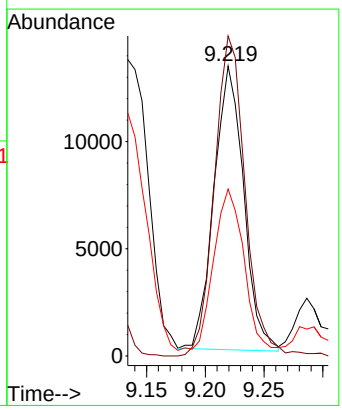


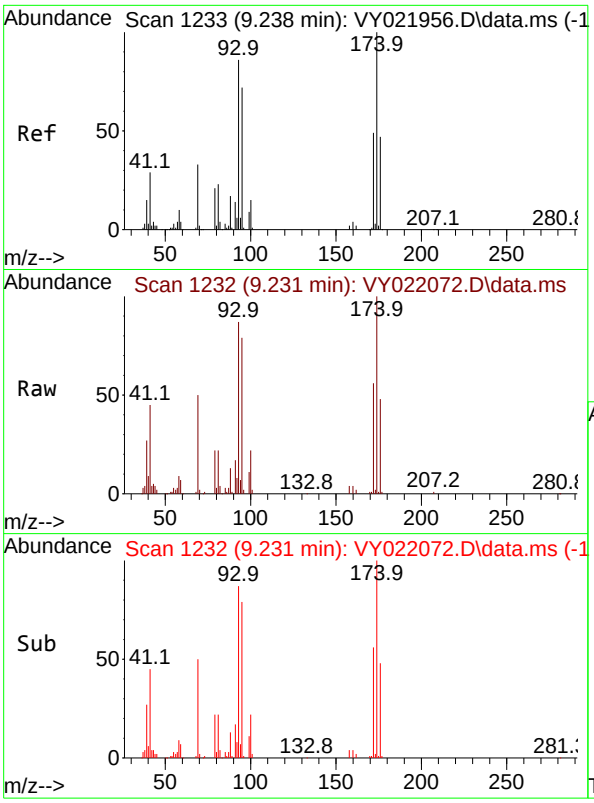


#48
Methyl methacrylate
Concen: 18.974 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 41 Resp: 23285

Ion	Ratio	Lower	Upper
41	100		
69	116.6	85.5	128.3
39	57.1	46.2	69.4



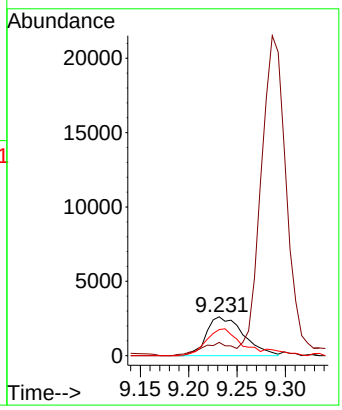


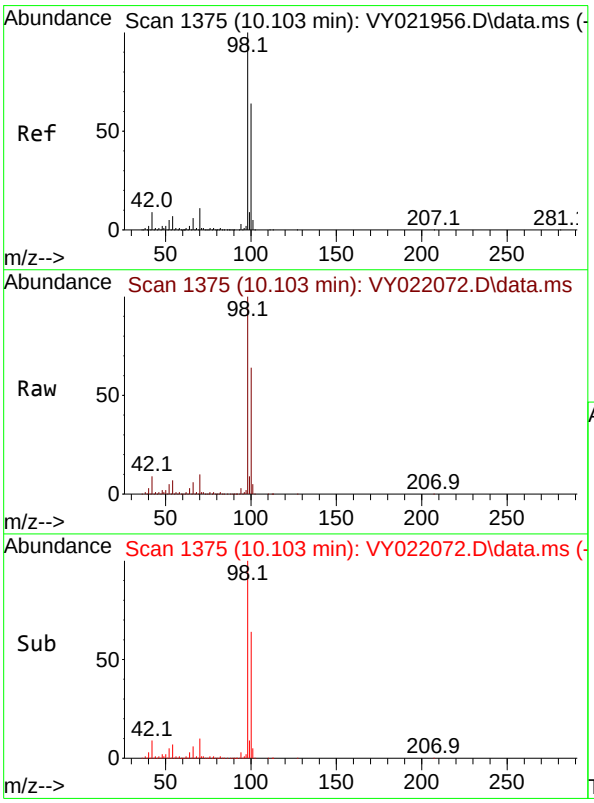
#49
1,4-Dioxane
Concen: 393.308 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 88 Resp: 6982

Ion	Ratio	Lower	Upper
88	100		
43	28.0	21.3	31.9
58	71.6	50.5	75.7

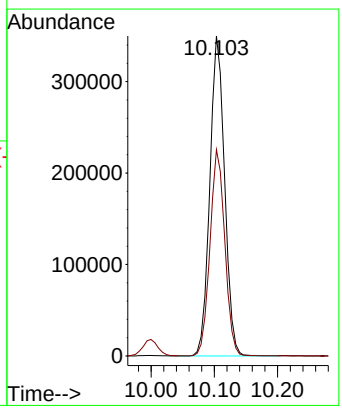


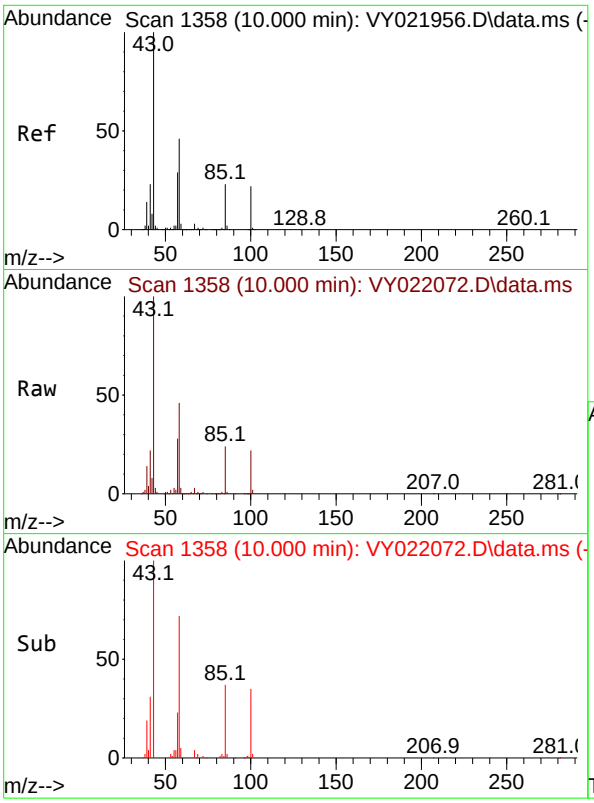


#50
Toluene-d8
Concen: 52.668 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 98 Resp: 568923

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4



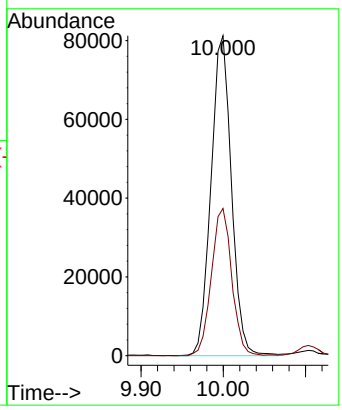


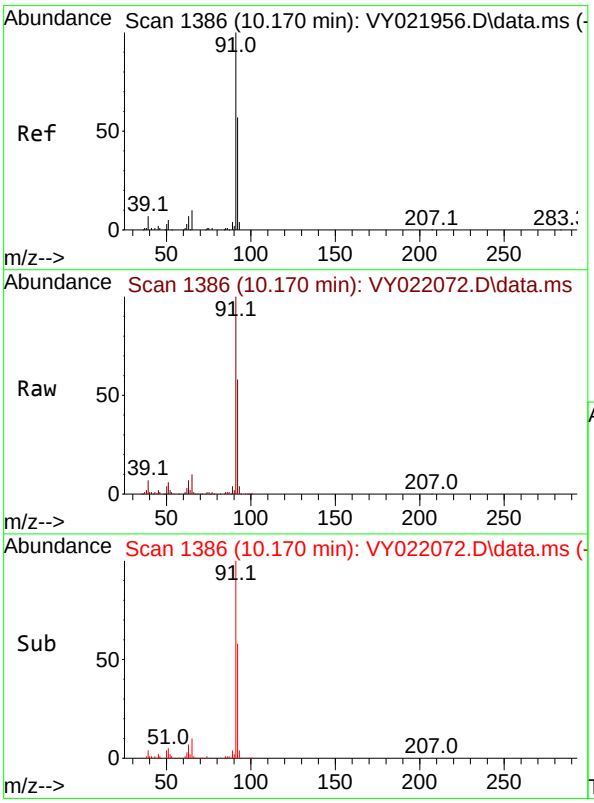
#51
4-Methyl-2-Pentanone
Concen: 100.658 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 43 Resp: 140074

Ion	Ratio	Lower	Upper
43	100		
58	46.1	36.6	55.0

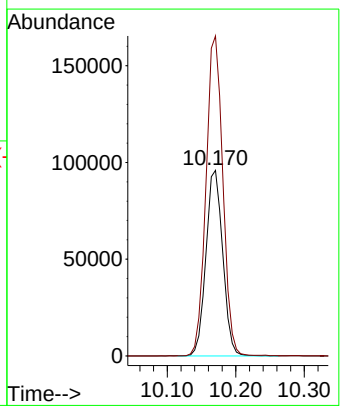


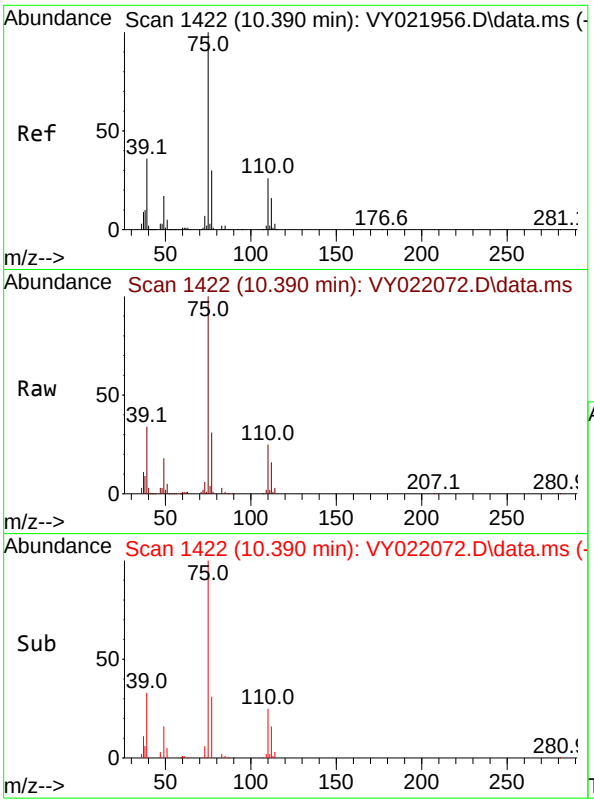


#52
Toluene
Concen: 21.002 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 92 Resp: 163564

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.6	207.8



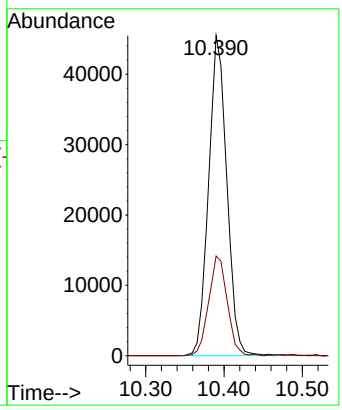


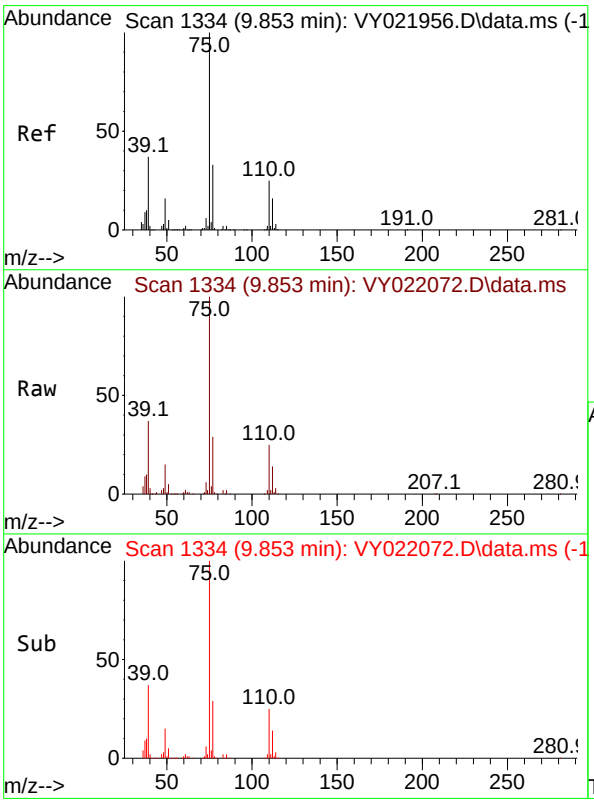
#53
t-1,3-Dichloropropene
Concen: 20.578 ug/l
RT: 10.390 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 75 Resp: 73442

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.0	36.0

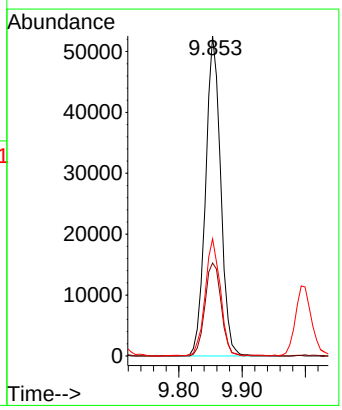


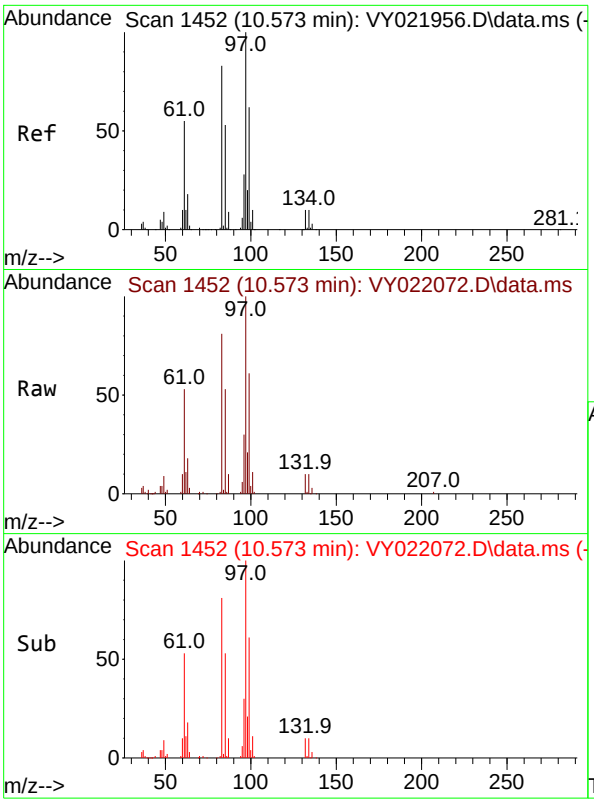


#54
cis-1,3-Dichloropropene
Concen: 20.585 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 87328

Ion	Ratio	Lower	Upper
75	100		
77	29.0	26.6	40.0
39	36.5	29.6	44.4



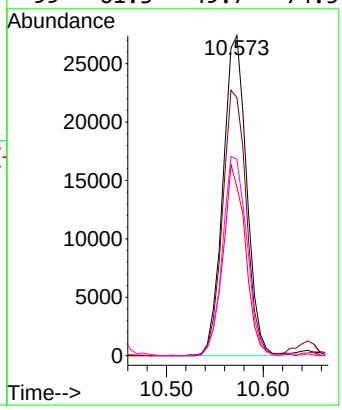


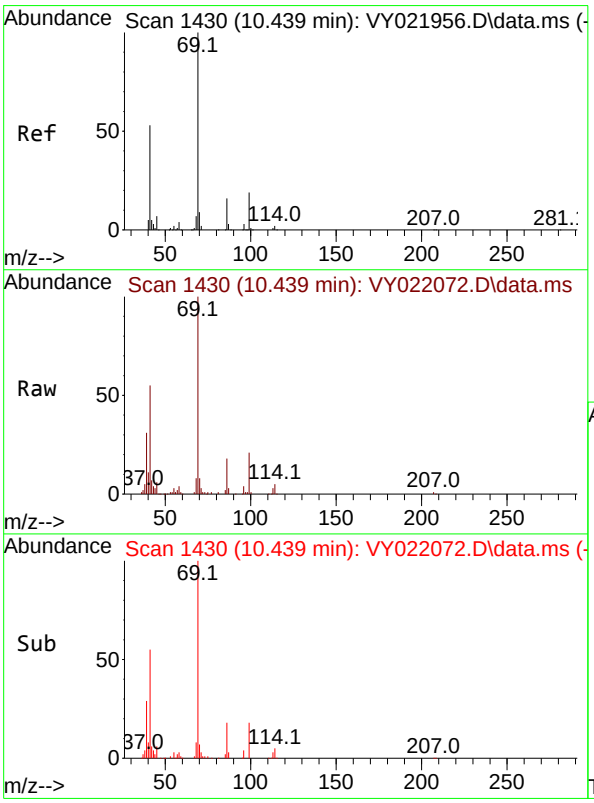
#55
1,1,2-Trichloroethane
Concen: 20.891 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 97 Resp: 46477

Ion	Ratio	Lower	Upper
97	100		
83	80.7	66.7	100.1
85	52.7	42.6	64.0
99	61.3	49.7	74.5

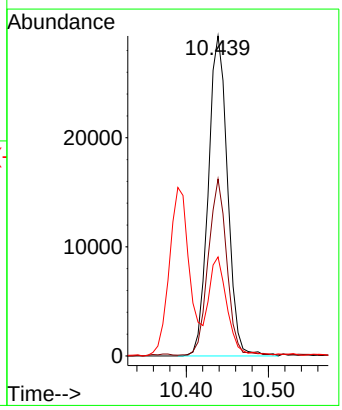


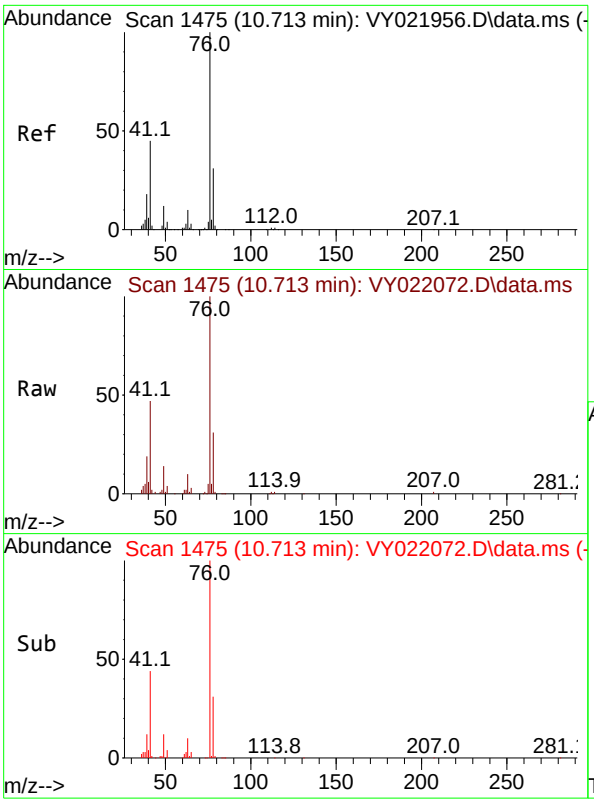


#56
Ethyl methacrylate
Concen: 18.733 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 69 Resp: 47660

Ion	Ratio	Lower	Upper
69	100		
41	53.1	40.7	61.1
39	28.3	23.3	34.9



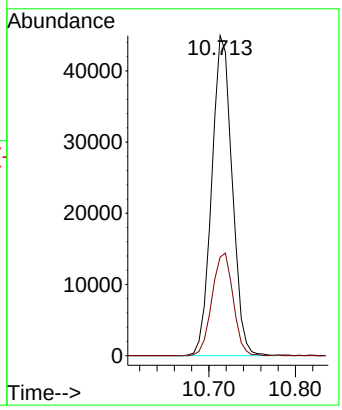


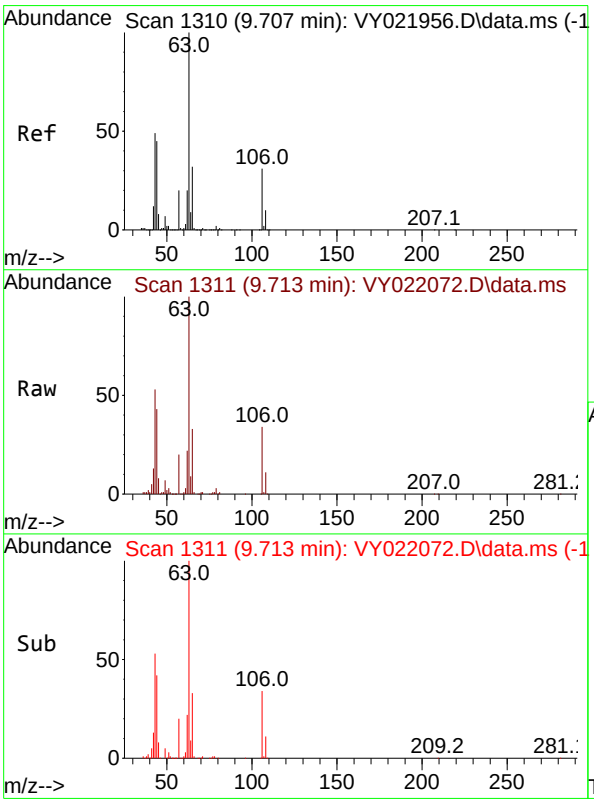
#57
1,3-Dichloropropane
Concen: 20.651 ug/l
RT: 10.713 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 76 Resp: 73654

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	39.8

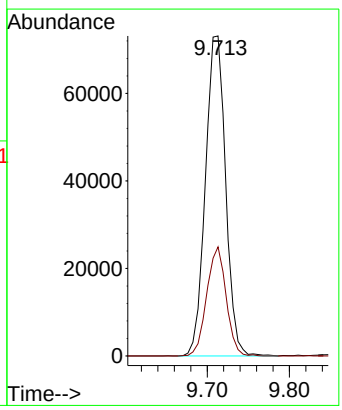


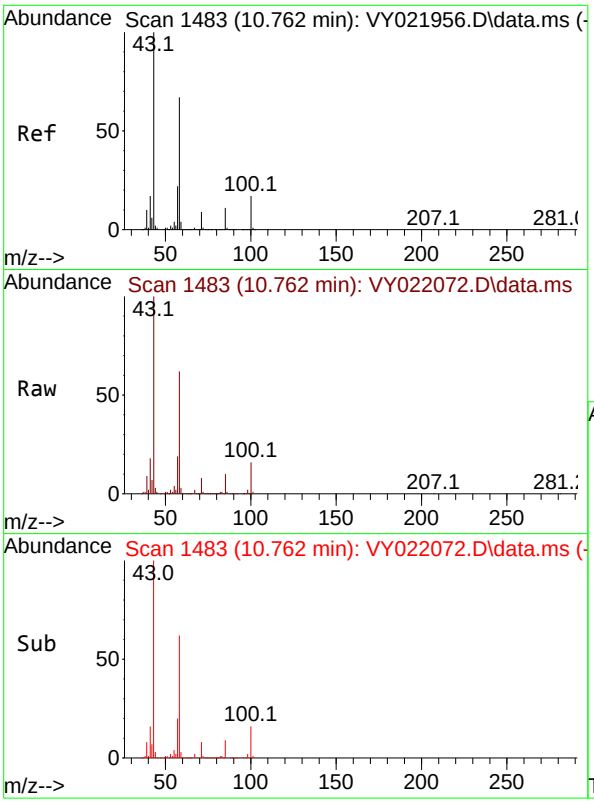


#58
2-Chloroethyl Vinyl ether
Concen: 100.556 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 63 Resp: 125085

Ion	Ratio	Lower	Upper
63	100		
106	32.6	25.3	37.9



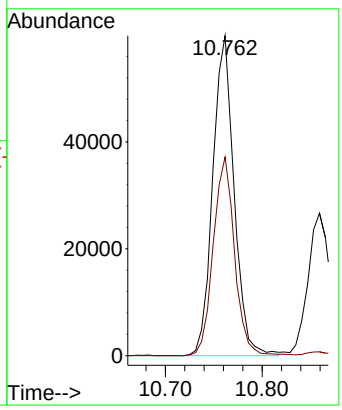


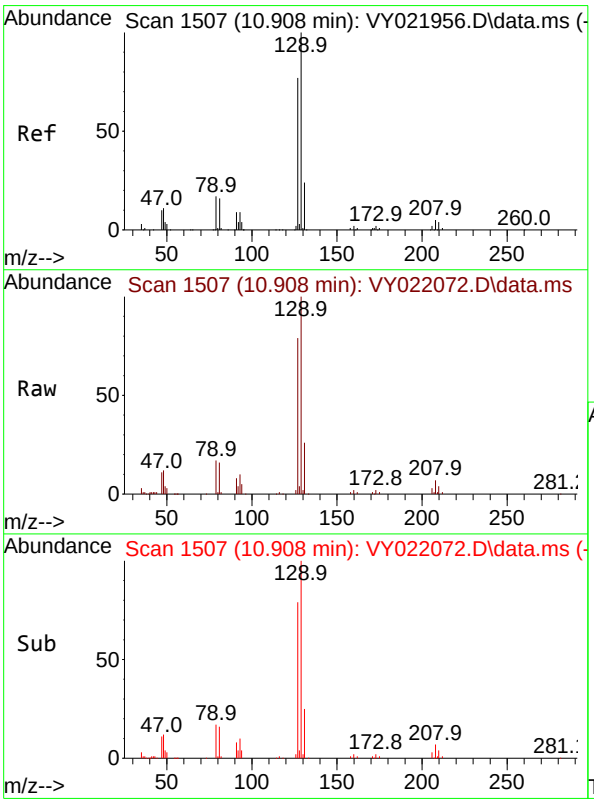
#59
2-Hexanone
Concen: 99.867 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 43 Resp: 91664

Ion	Ratio	Lower	Upper
43	100		
58	62.1	32.0	96.0

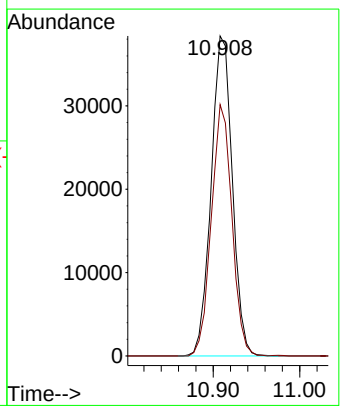


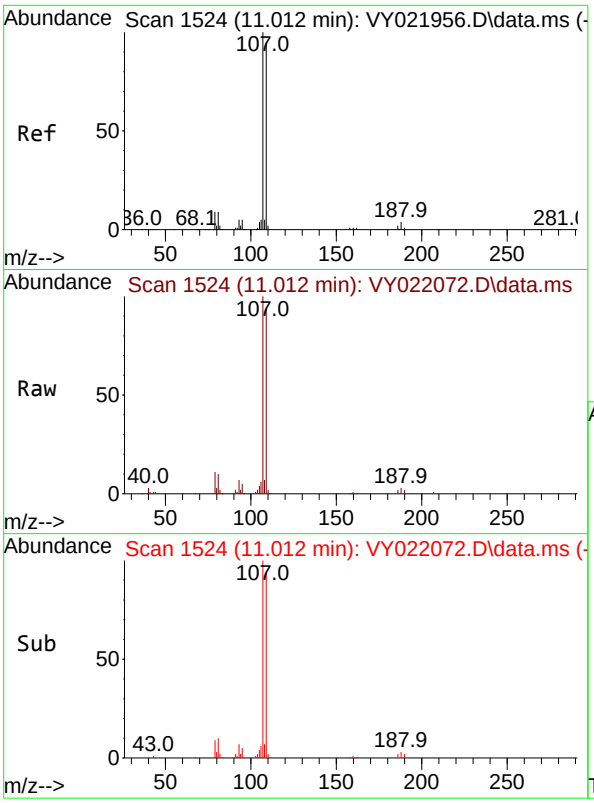


#60
Dibromochloromethane
Concen: 21.132 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:129 Resp: 65090

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.5	115.3



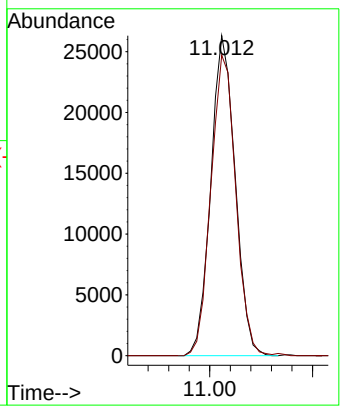


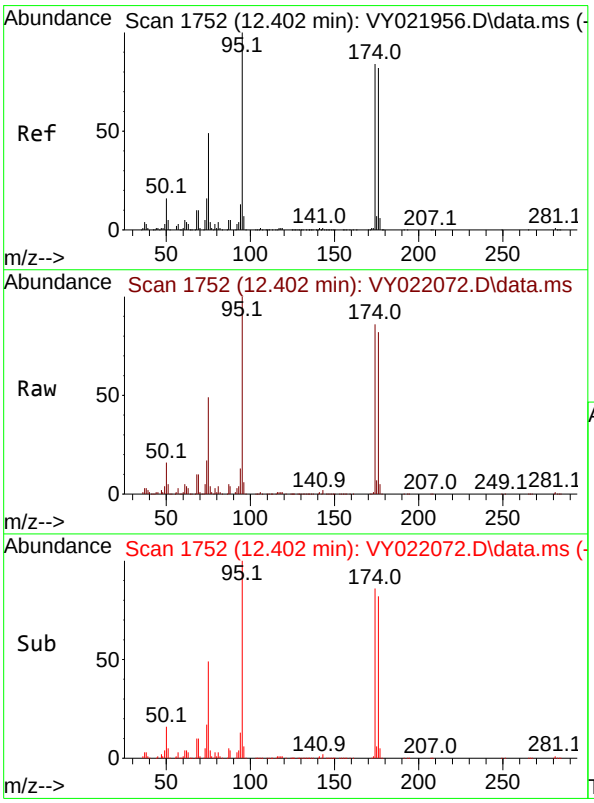
#61
1,2-Dibromoethane
Concen: 20.584 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:107 Resp: 43234

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.8	113.8

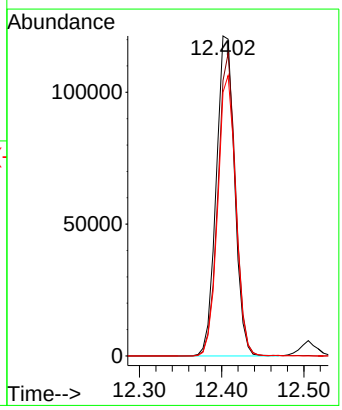


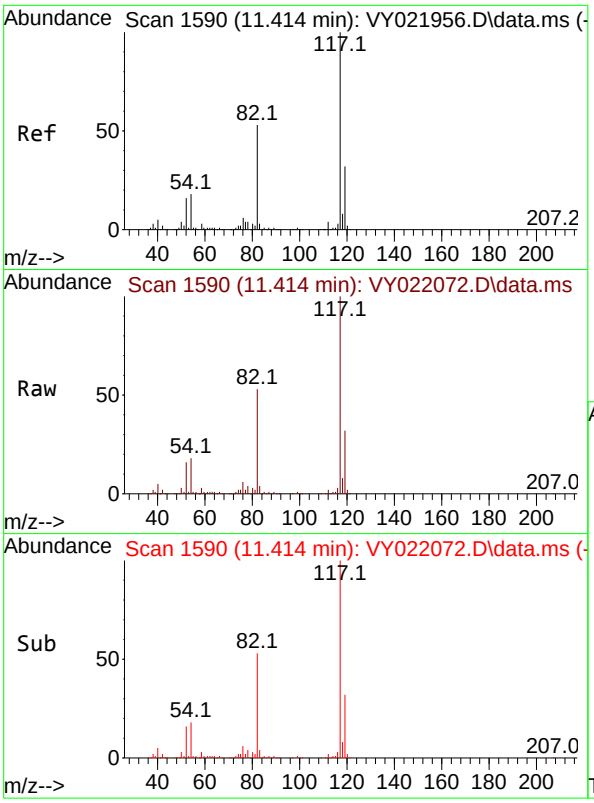


#62
4-Bromofluorobenzene
Concen: 51.779 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 95 Resp: 188289

Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	179.0
176	86.6	0.0	171.8



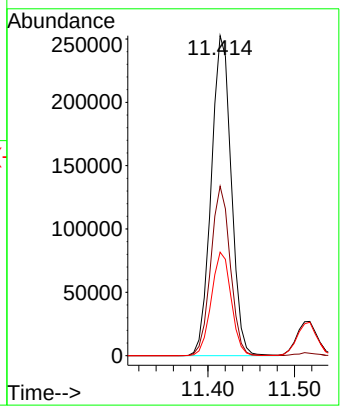


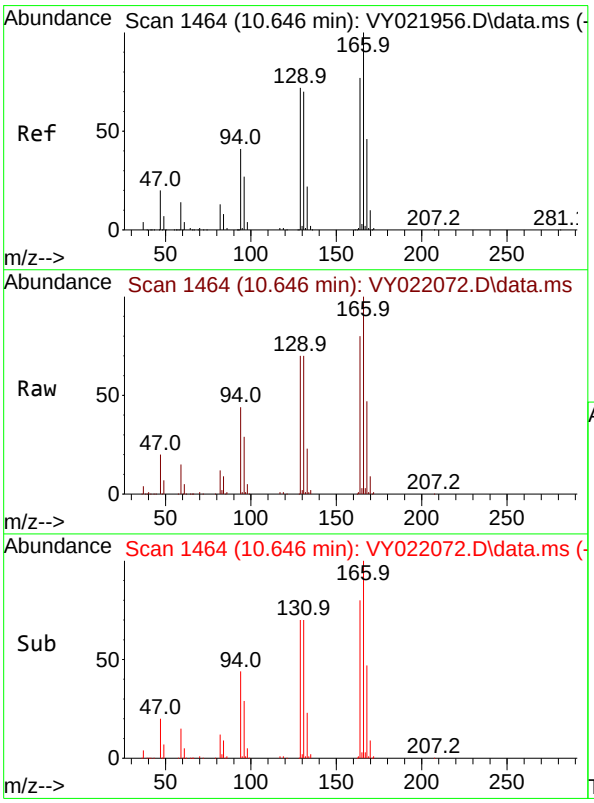
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:117 Resp: 405299

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.1	63.1
119	32.4	25.7	38.5

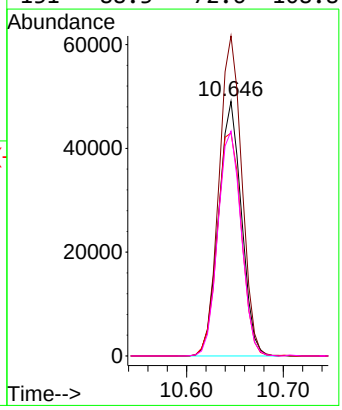


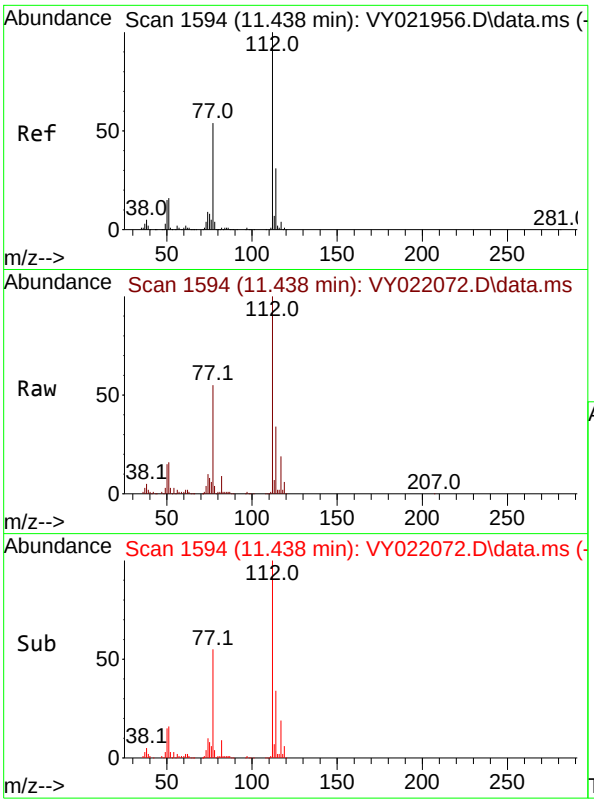


#64
Tetrachloroethene
Concen: 21.080 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:164 Resp: 80599

Ion	Ratio	Lower	Upper
164	100		
166	125.7	103.6	155.4
129	87.5	74.2	111.4
131	88.3	72.6	108.8



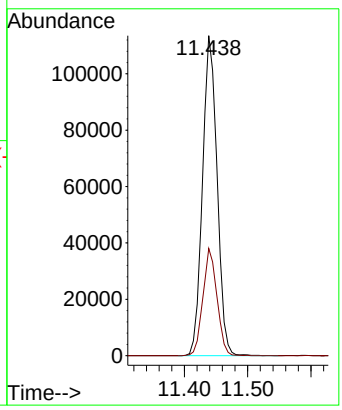


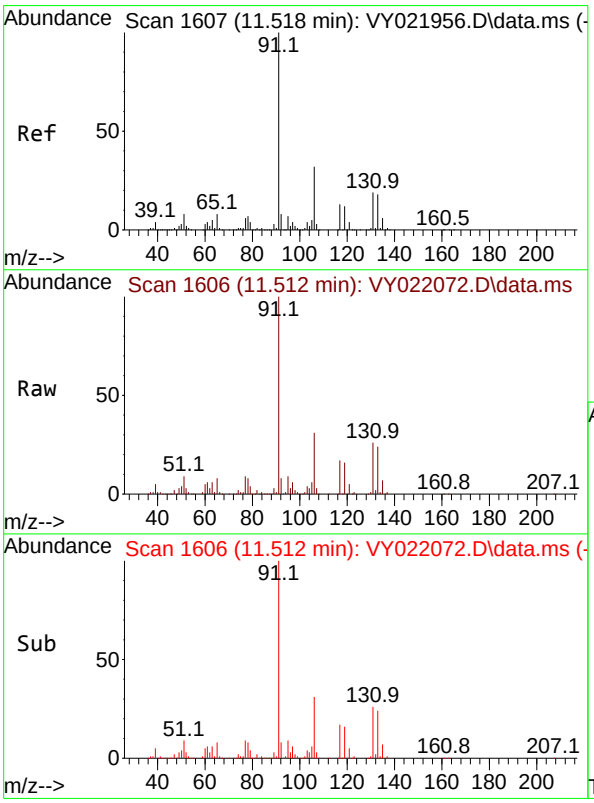
#65
Chlorobenzene
Concen: 20.111 ug/l
RT: 11.438 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:112 Resp: 182280

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.0	37.4

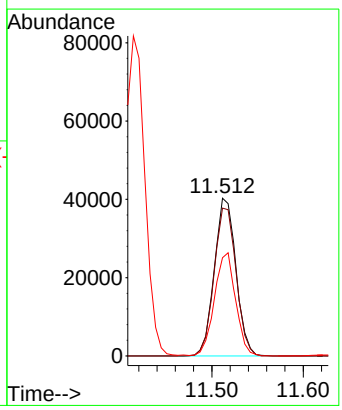


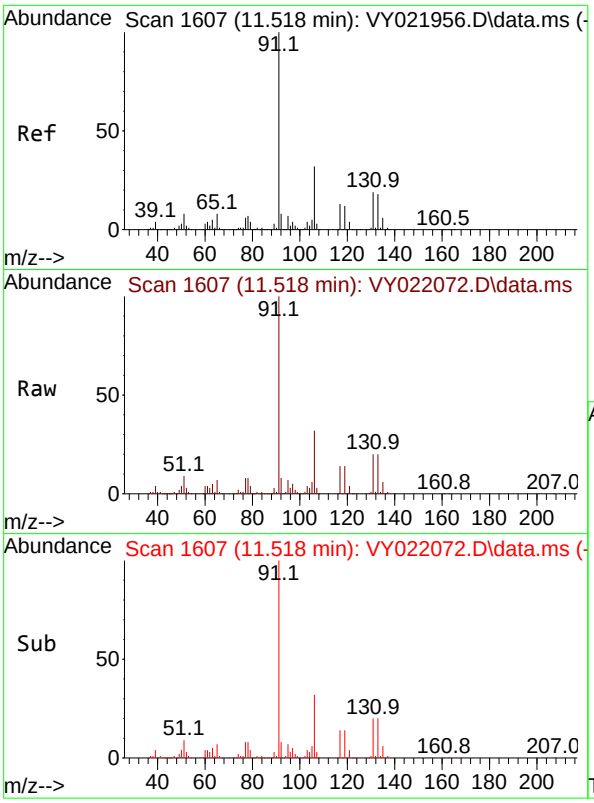


#66
1,1,1,2-Tetrachloroethane
Concen: 20.773 ug/l
RT: 11.512 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:131 Resp: 66284

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.8	143.3
119	64.1	32.4	97.0



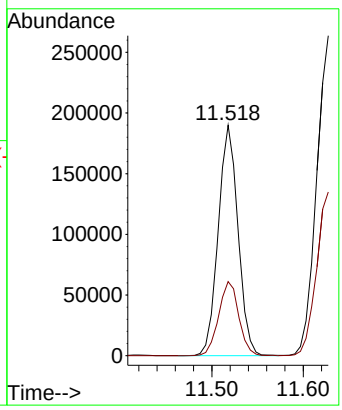


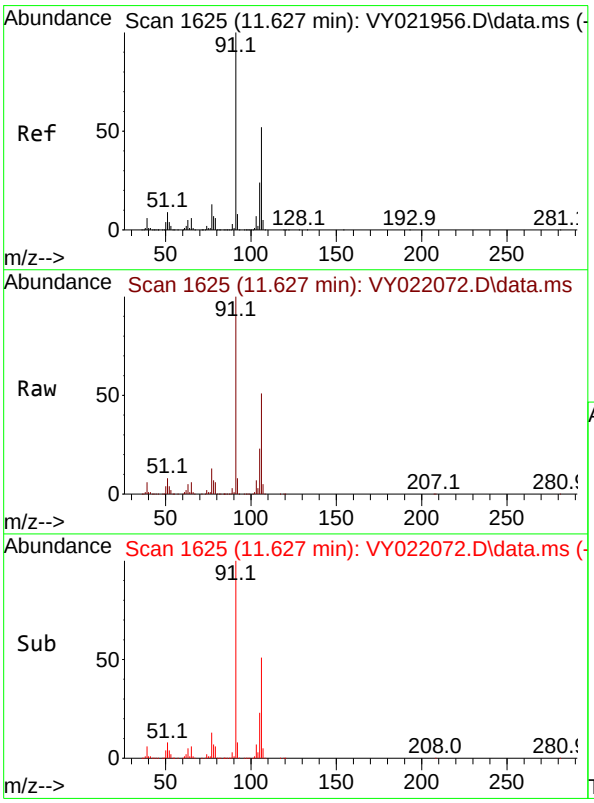
#67
Ethyl Benzene
Concen: 19.258 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 91 Resp: 285528

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

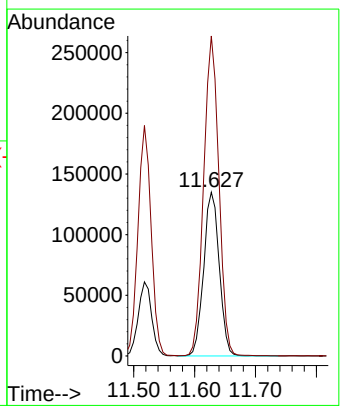


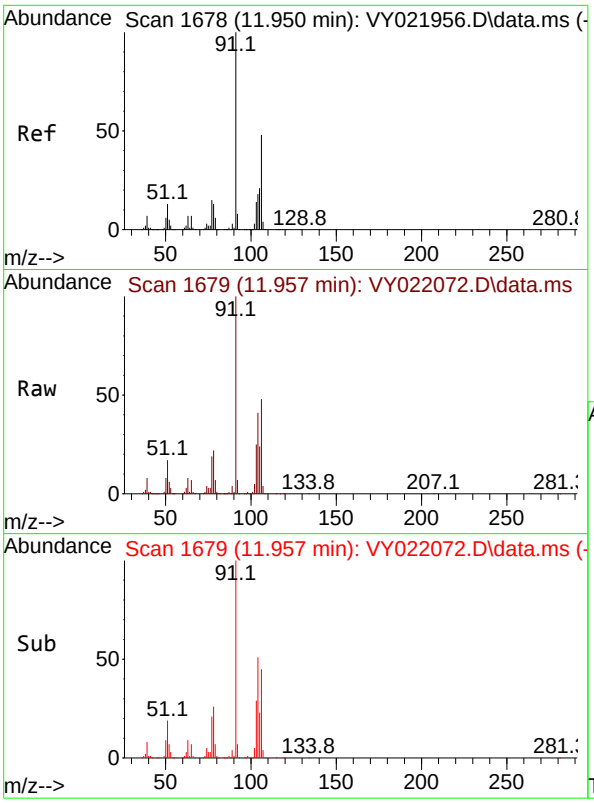


#68
m/p-Xylenes
Concen: 40.623 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:106 Resp: 239665

Ion	Ratio	Lower	Upper
106	100		
91	190.7	156.2	234.2



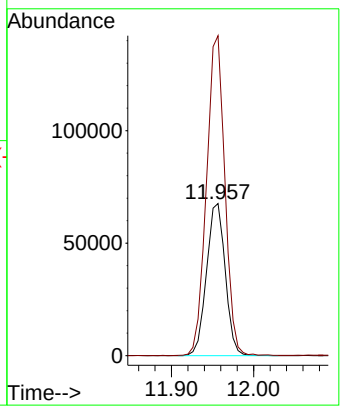


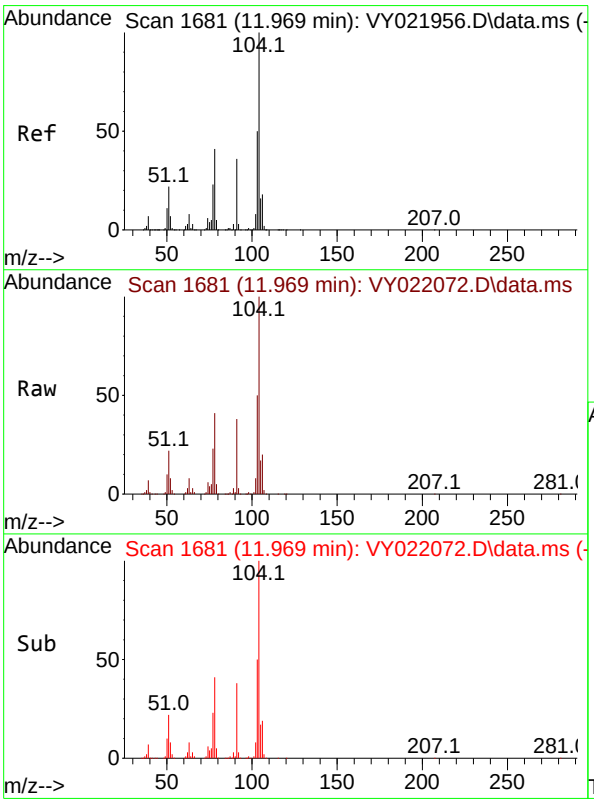
#69
o-Xylene
Concen: 19.654 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:106 Resp: 106876

Ion	Ratio	Lower	Upper
106	100		
91	206.8	103.0	308.9

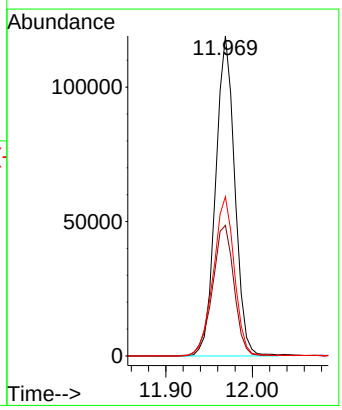


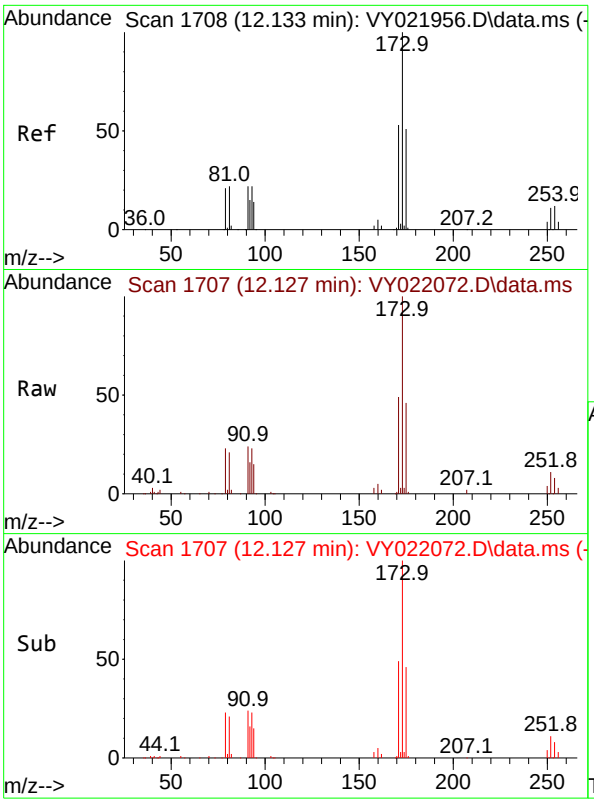


#70
Styrene
Concen: 20.012 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:104 Resp: 182708

Ion	Ratio	Lower	Upper
104	100		
78	46.0	36.6	54.8
103	54.7	43.8	65.8



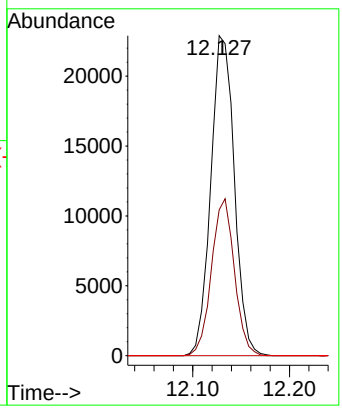


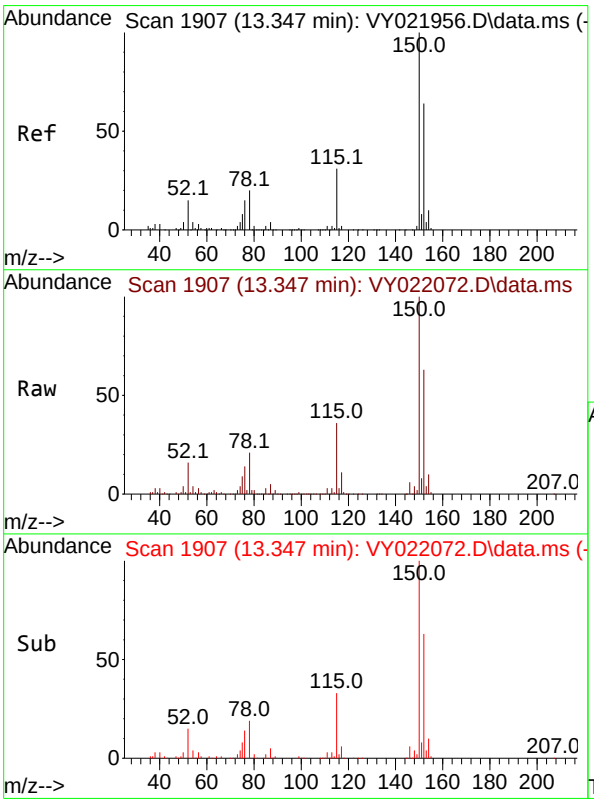
#71
Bromoform
Concen: 20.871 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:173 Resp: 38719

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	72.8
254	0.0	0.0	0.0

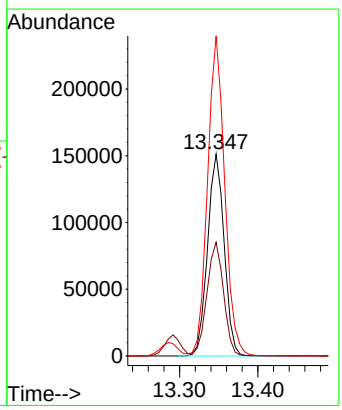


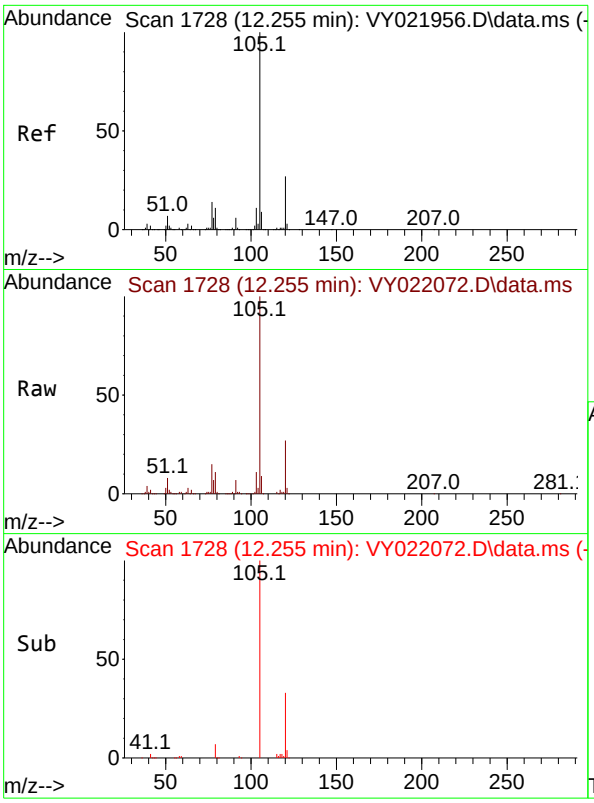


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:152 Resp: 222589

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	163.3	0.0	345.6



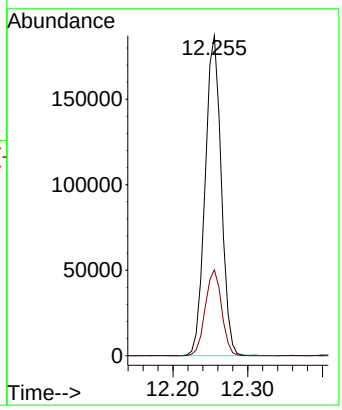


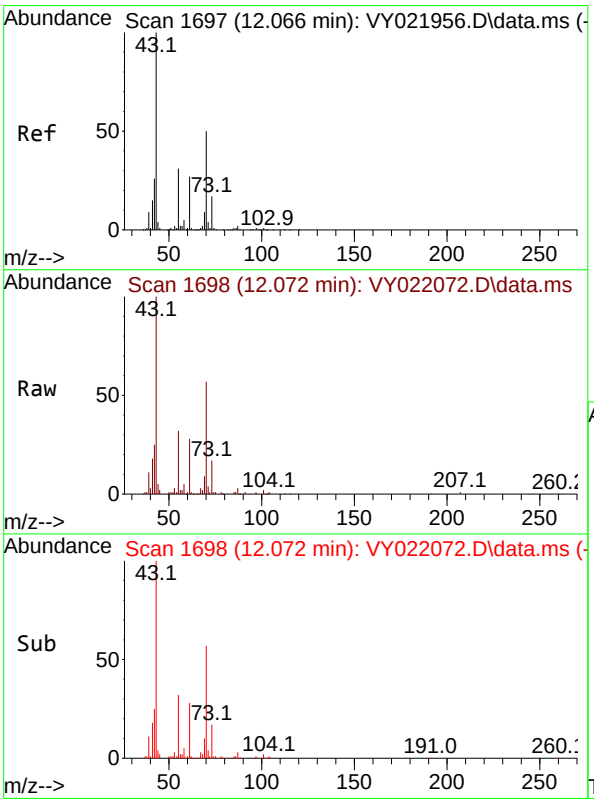
#73
Isopropylbenzene
Concen: 18.799 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:105 Resp: 279562

Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.5

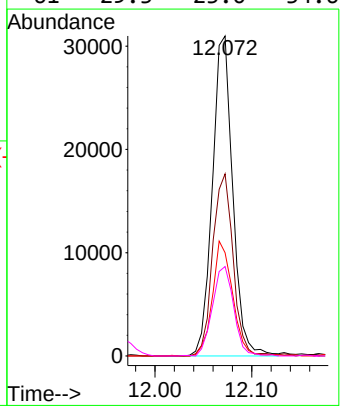


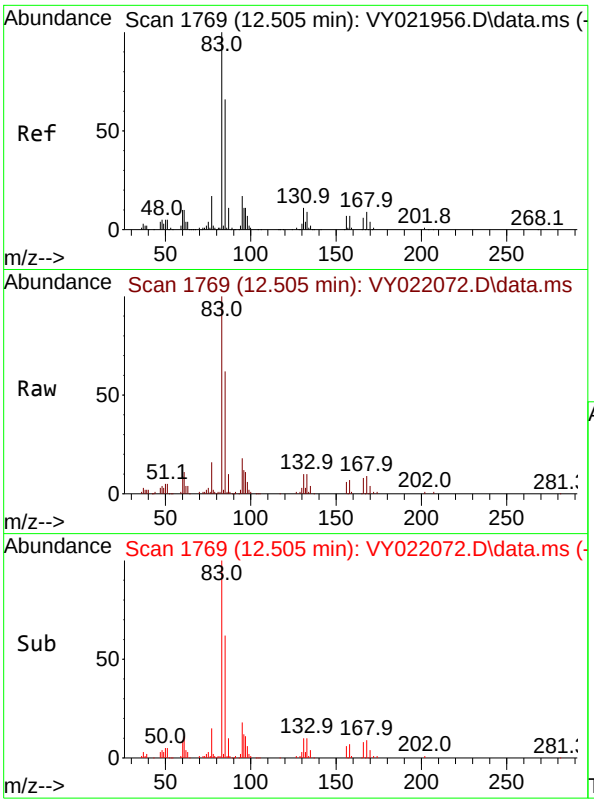


#74
N-amyl acetate
Concen: 17.740 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 43 Resp: 45327

Ion	Ratio	Lower	Upper
43	100		
70	57.2	43.2	64.8
55	35.7	25.7	38.5
61	29.3	23.0	34.6



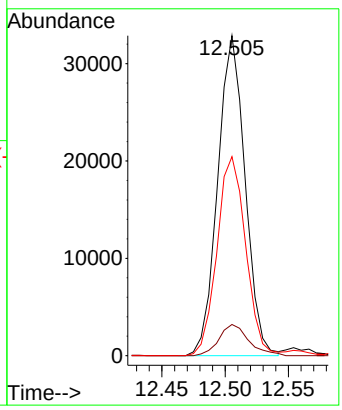


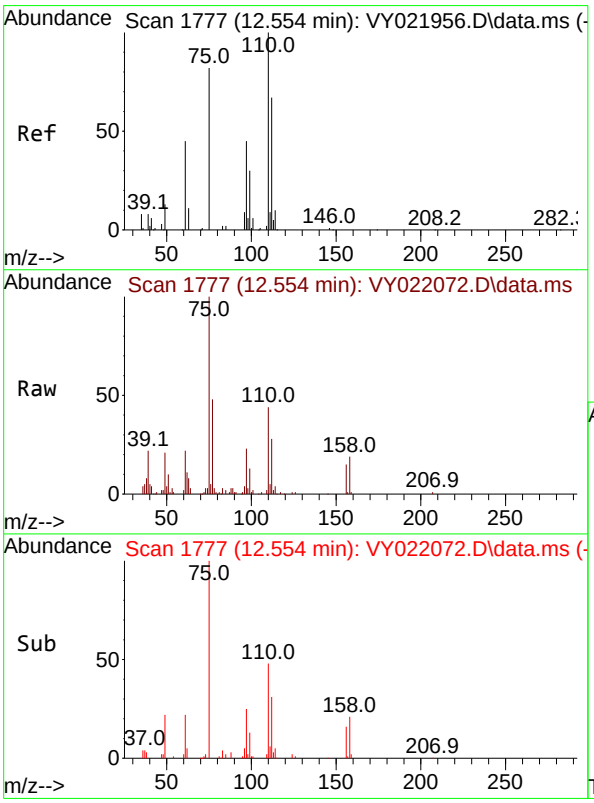
#75
1,1,2,2-Tetrachloroethane
Concen: 19.730 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 83 Resp: 49468

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.5	16.4
85	65.0	32.3	96.8

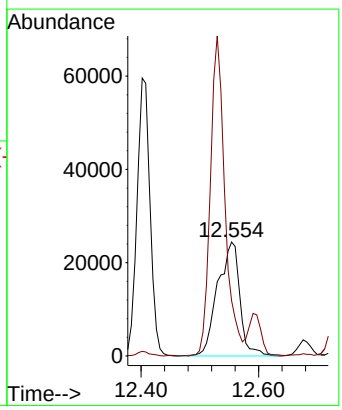


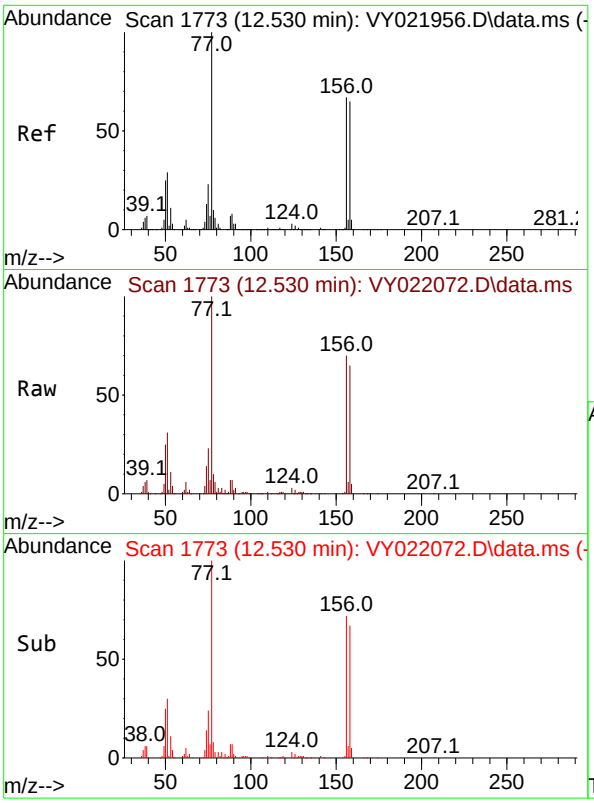


#76
1,2,3-Trichloropropane
Concen: 33.625 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 64108

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



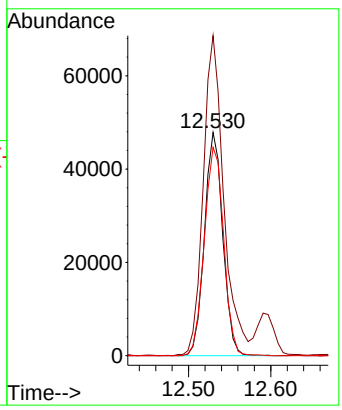


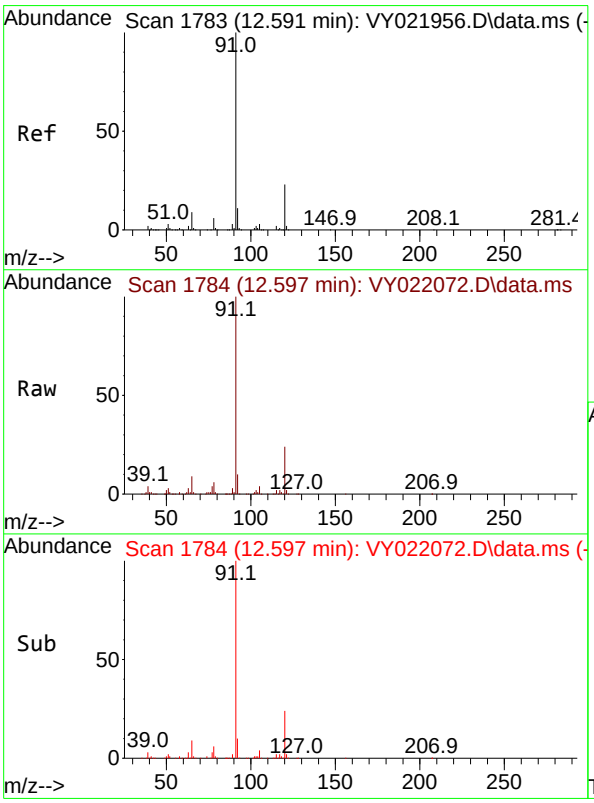
#77
Bromobenzene
Concen: 19.657 ug/l
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:156 Resp: 73867

Ion	Ratio	Lower	Upper
156	100		
77	160.2	82.7	248.1
158	98.9	48.1	144.4

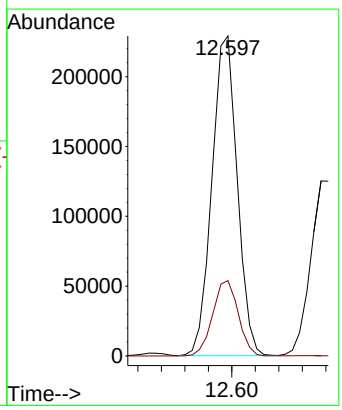


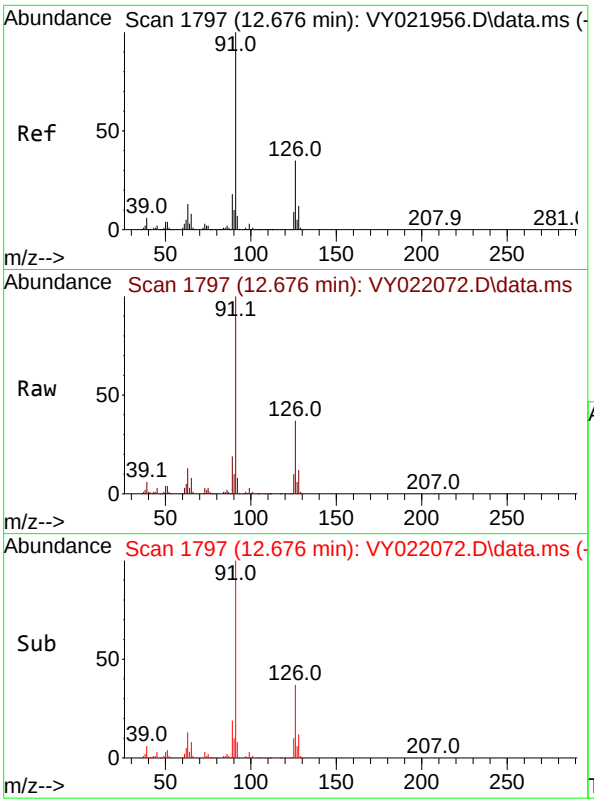


#78
n-propylbenzene
Concen: 19.361 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 91 Resp: 342875

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5



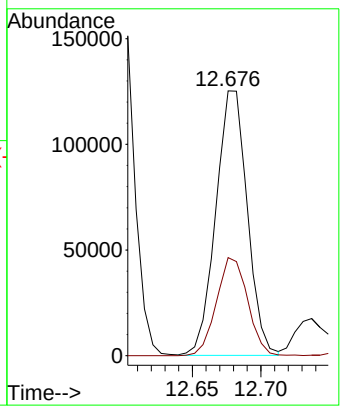


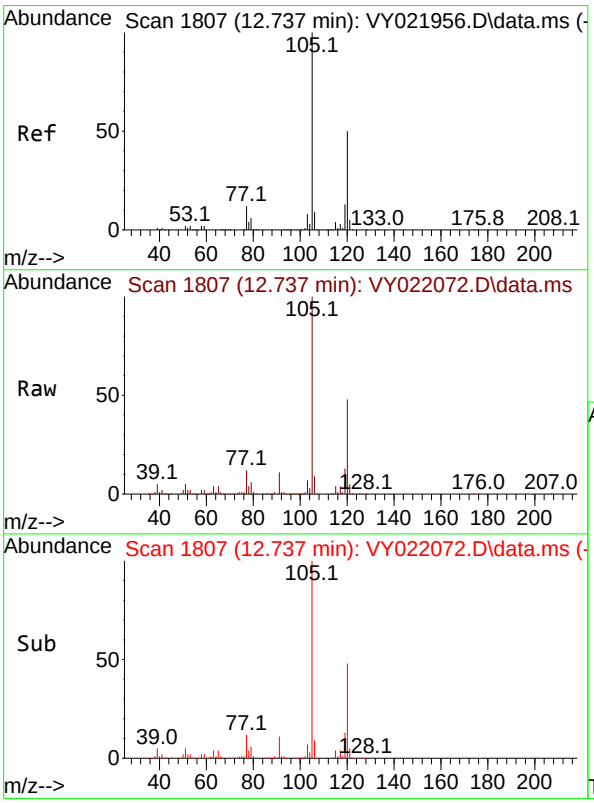
#79
2-Chlorotoluene
Concen: 19.446 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 91 Resp: 200281

Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.9	53.8

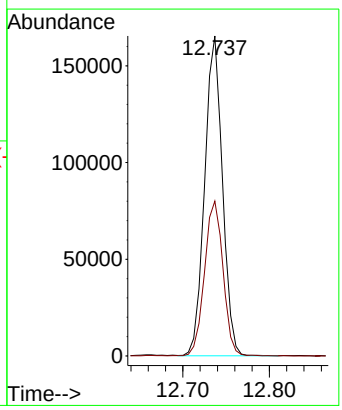


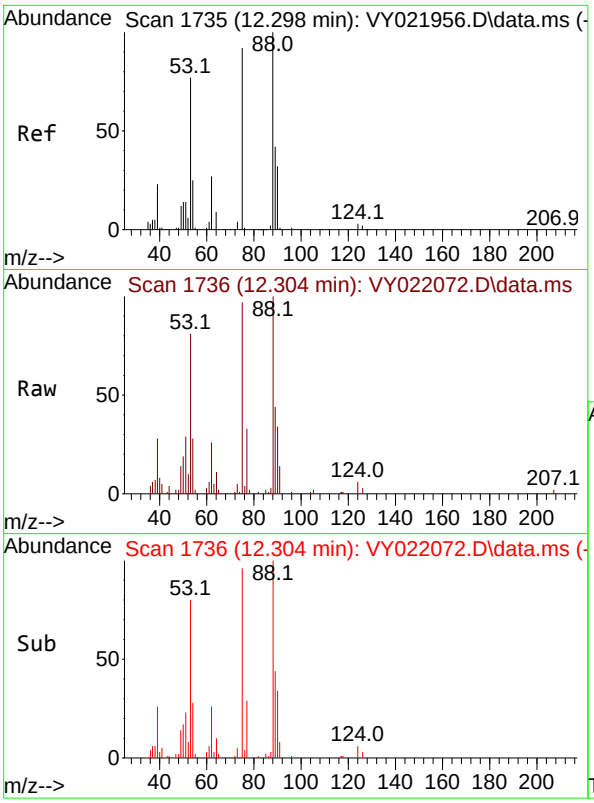


#80
1,3,5-Trimethylbenzene
Concen: 19.234 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:105 Resp: 235676

Ion	Ratio	Lower	Upper
105	100		
120	50.2	25.0	75.0



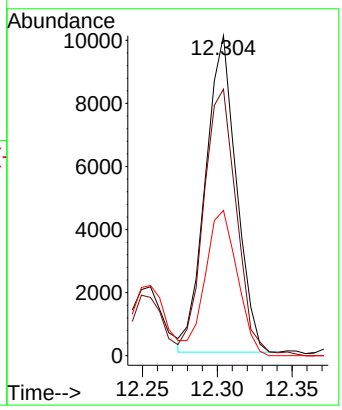


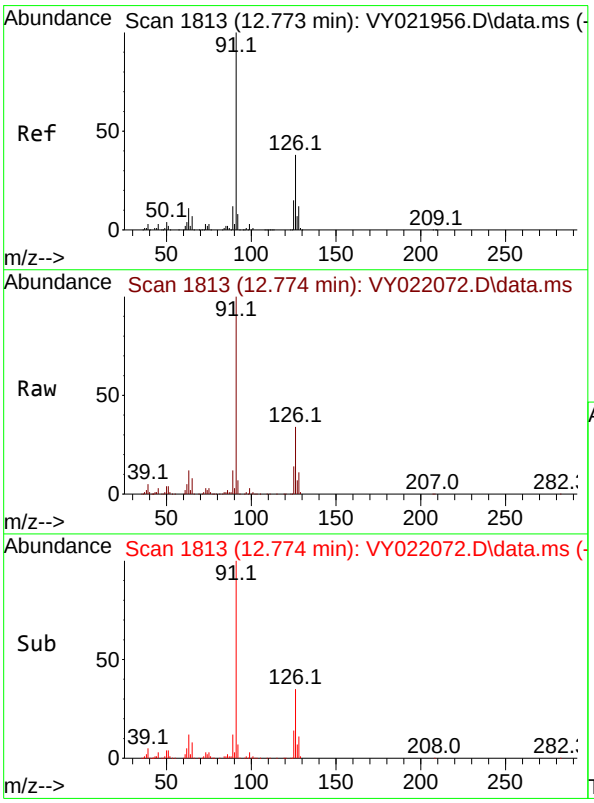
#81
trans-1,4-Dichloro-2-butene
Concen: 18.155 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 75 Resp: 14374

Ion	Ratio	Lower	Upper
75	100		
53	90.1	66.0	99.0
89	47.1	37.2	55.8

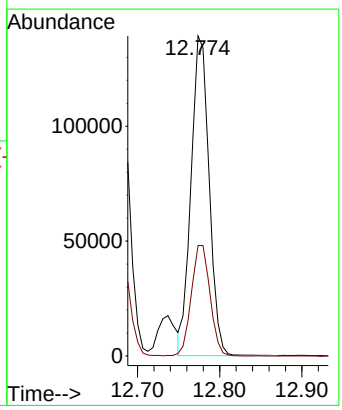


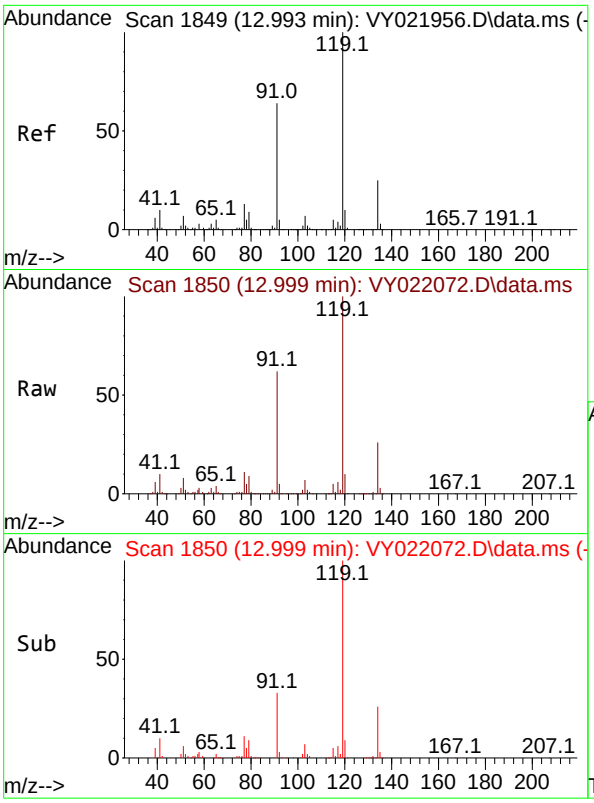


#82
4-Chlorotoluene
Concen: 19.870 ug/l
RT: 12.774 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 91 Resp: 212735

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8



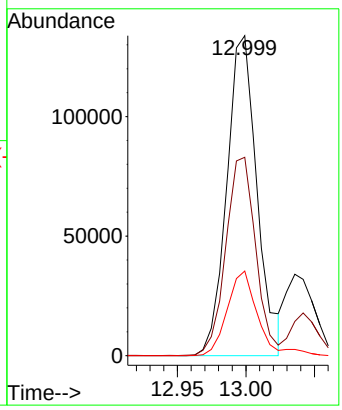


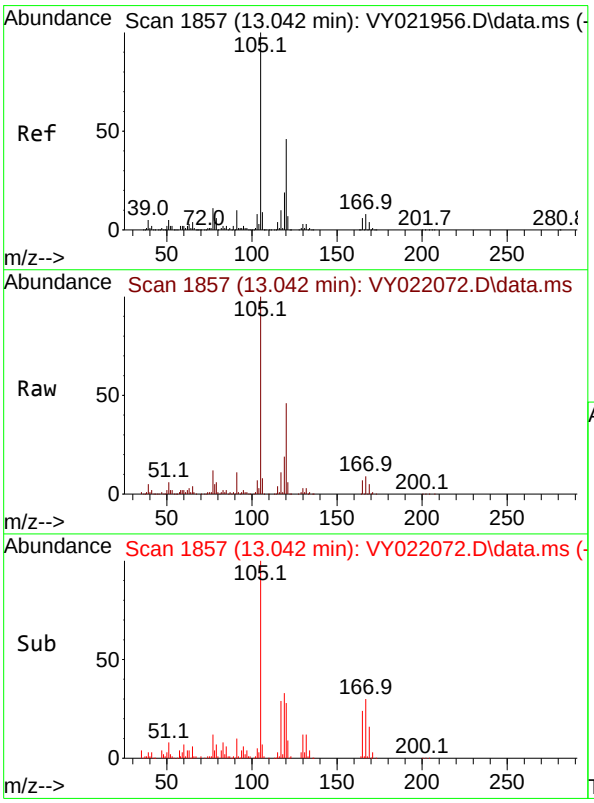
#83
tert-Butylbenzene
Concen: 18.735 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:119 Resp: 205879

Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.3	90.9
134	26.8	12.9	38.7

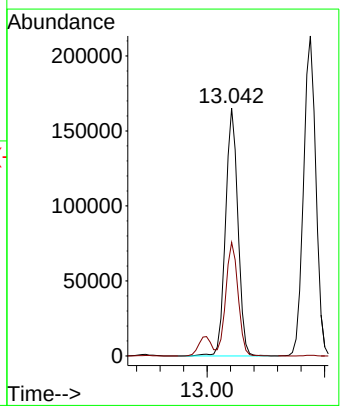


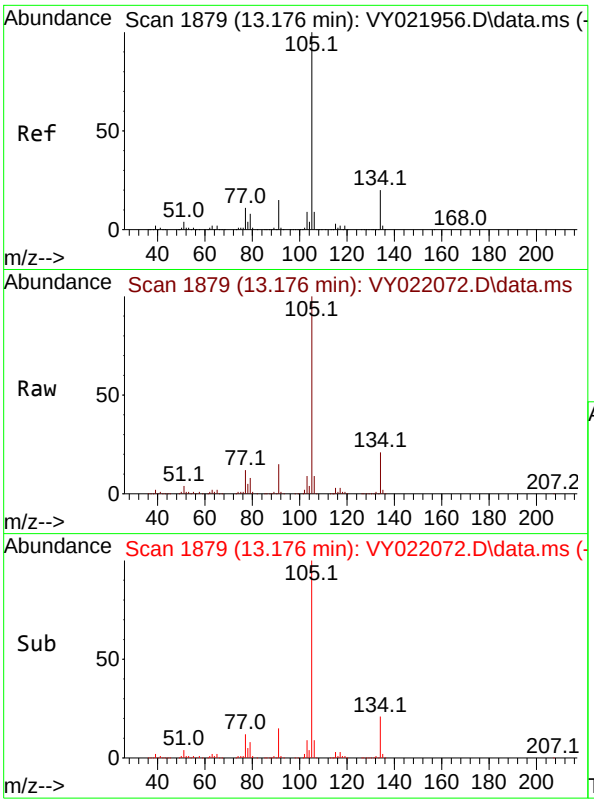


#84
1,2,4-Trimethylbenzene
Concen: 19.725 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:105 Resp: 241750

Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.4	70.0



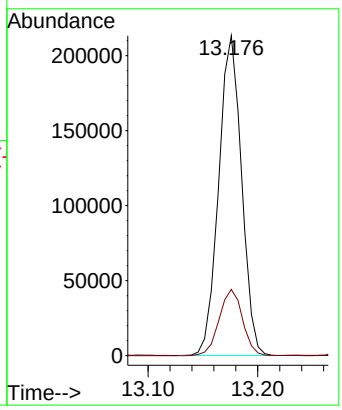


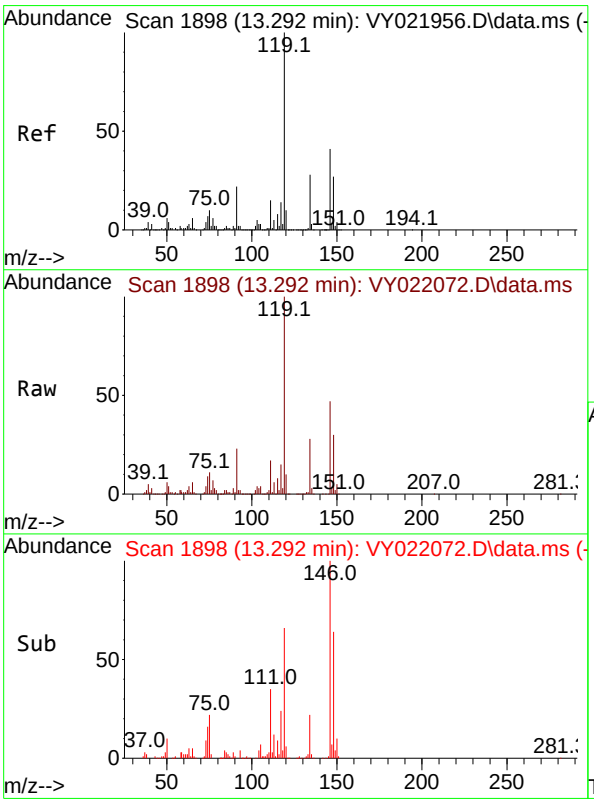
#85
sec-Butylbenzene
Concen: 19.235 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:105 Resp: 309315

Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.3	30.9

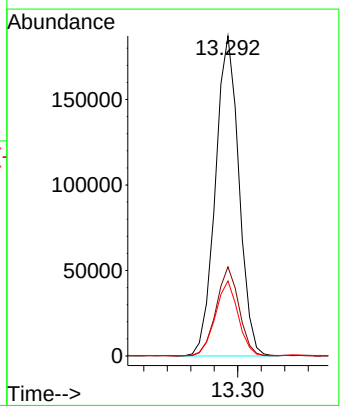


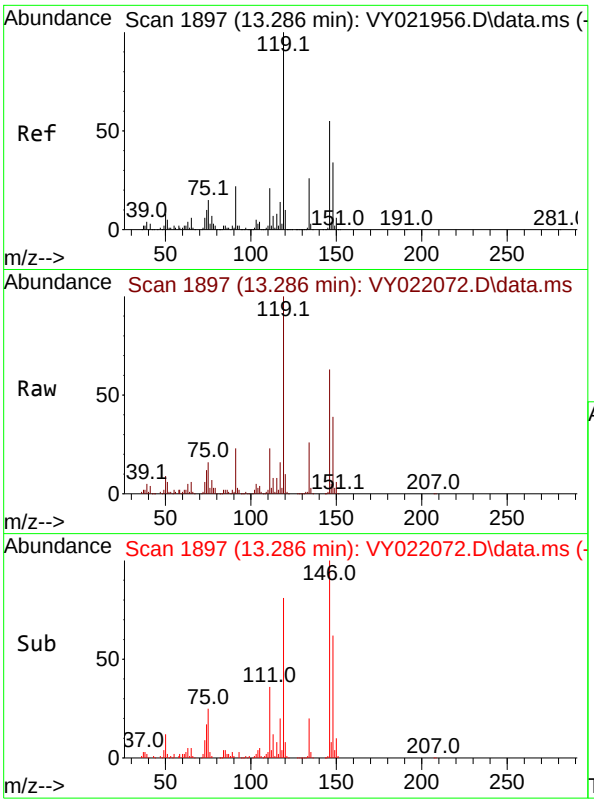


#86
p-Isopropyltoluene
Concen: 19.078 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:119 Resp: 260507

Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.7
91	22.6	11.0	33.0



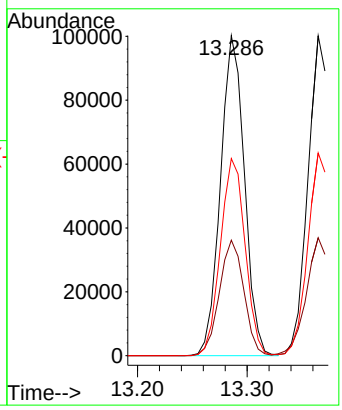


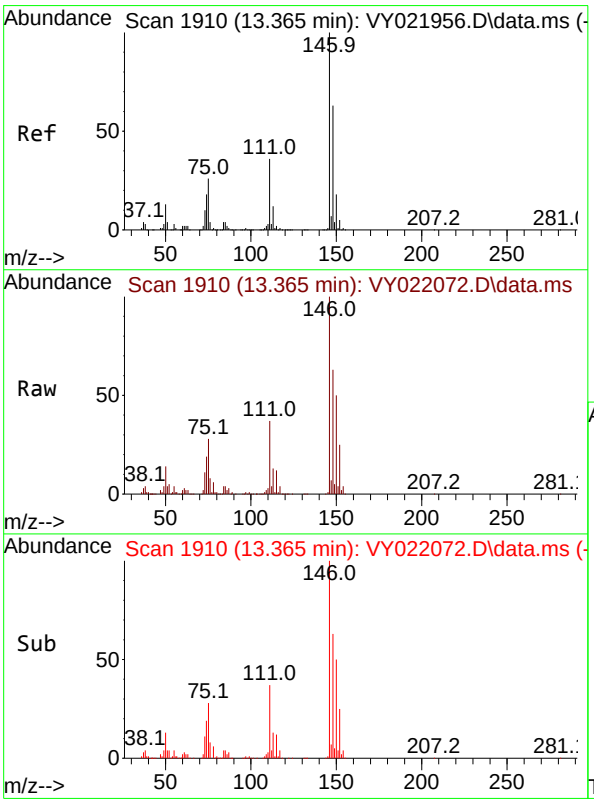
#87
1,3-Dichlorobenzene
Concen: 19.937 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:146 Resp: 152160

Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.5
148	63.5	32.0	96.2

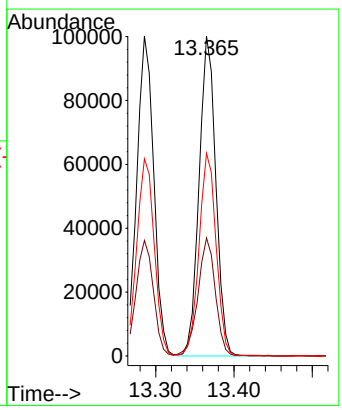


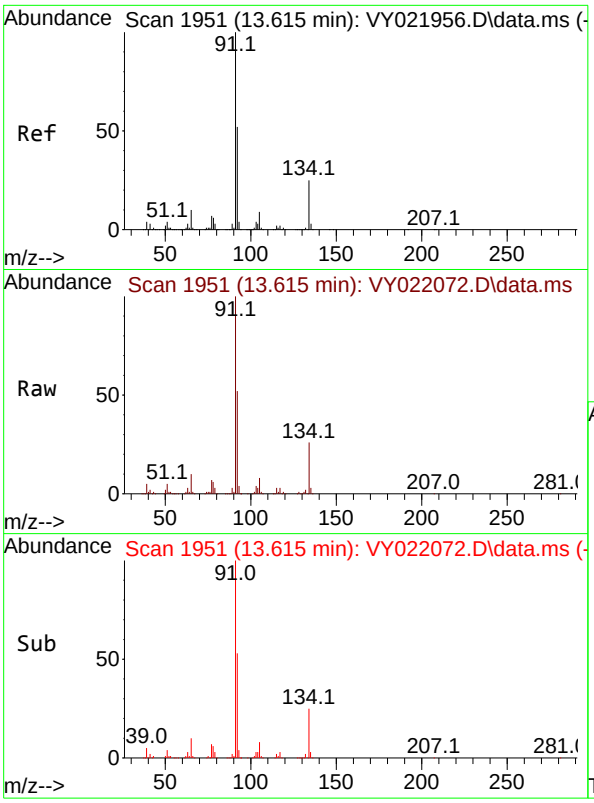


#88
1,4-Dichlorobenzene
Concen: 19.695 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:146 Resp: 148875

Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	64.6	32.0	96.0



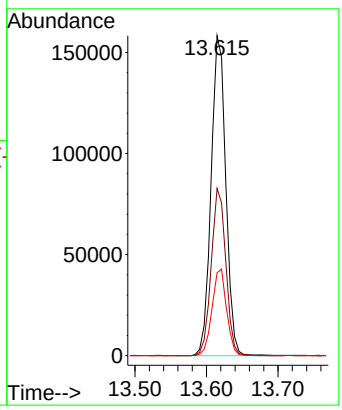


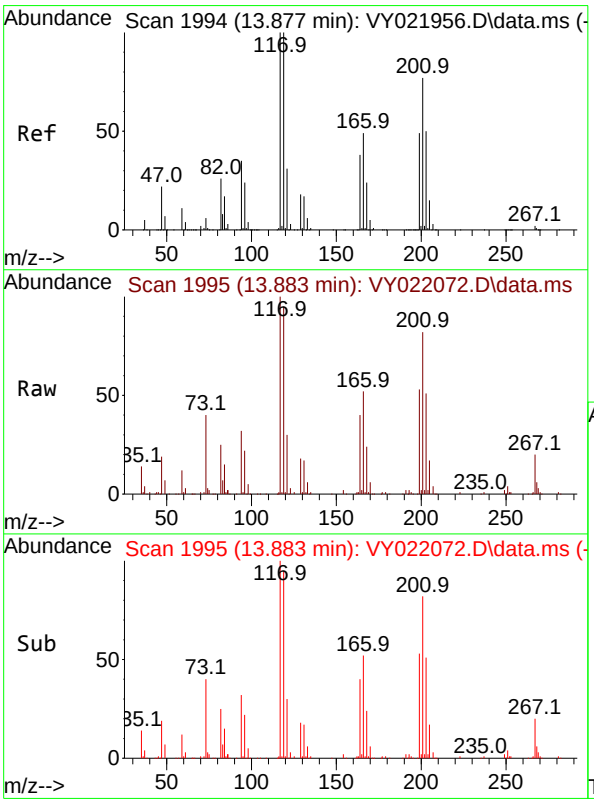
#89
n-Butylbenzene
Concen: 18.513 ug/l
RT: 13.615 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion: 91 Resp: 225950

Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.5	79.5
134	26.8	13.4	40.1

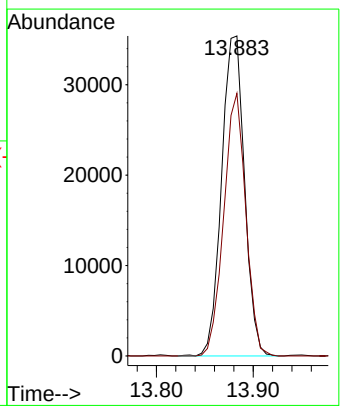


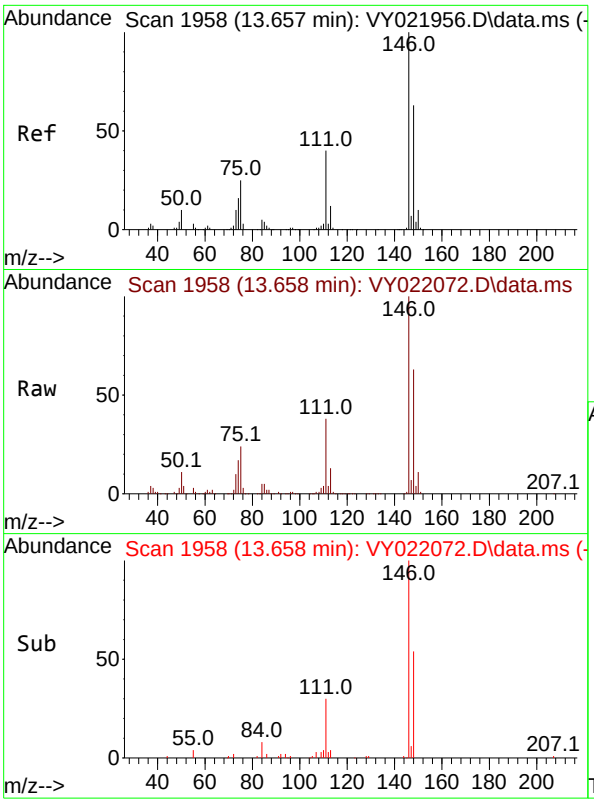


#90
Hexachloroethane
Concen: 19.391 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:117 Resp: 58174

Ion	Ratio	Lower	Upper
117	100		
201	78.9	38.7	116.1



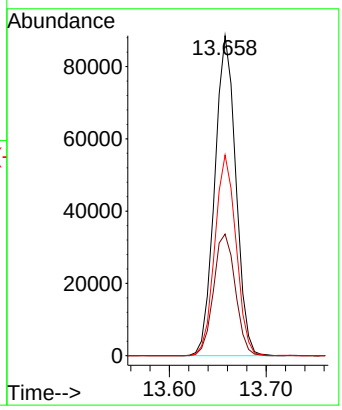


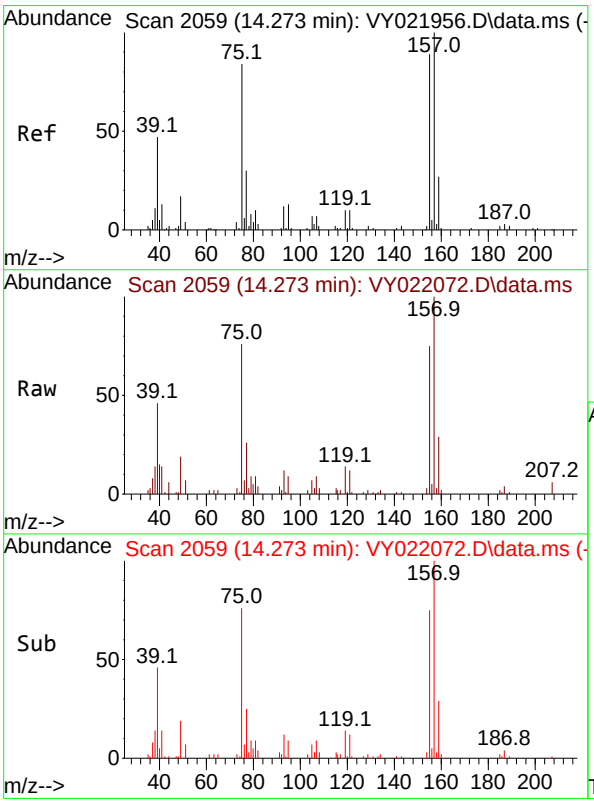
#91
1,2-Dichlorobenzene
Concen: 20.139 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:146 Resp: 134059

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	62.9	32.1	96.3

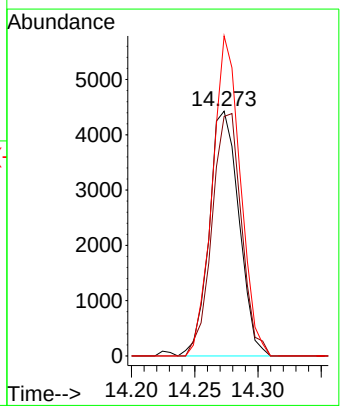


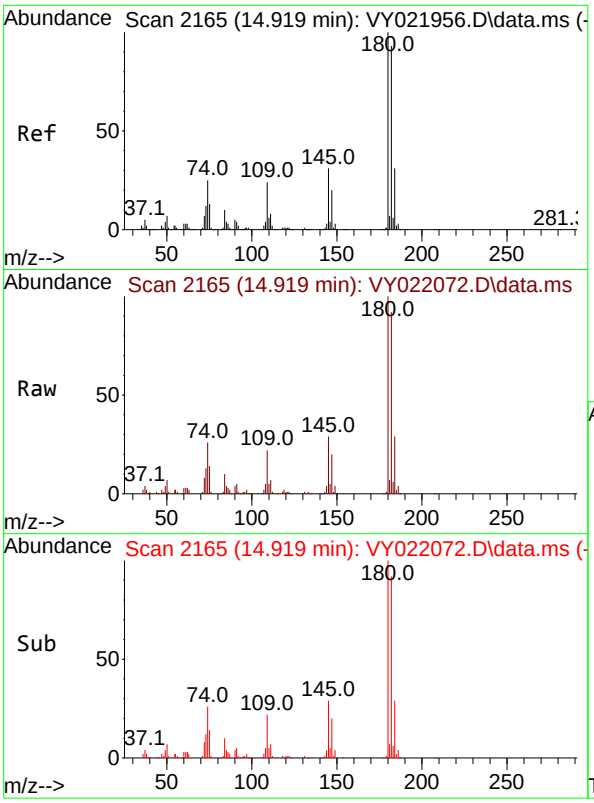


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.150 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion: 75 Resp: 7240

Ion	Ratio	Lower	Upper
75	100		
155	97.9	50.7	152.3
157	122.8	62.6	187.8



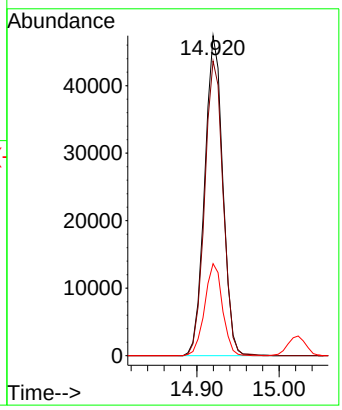


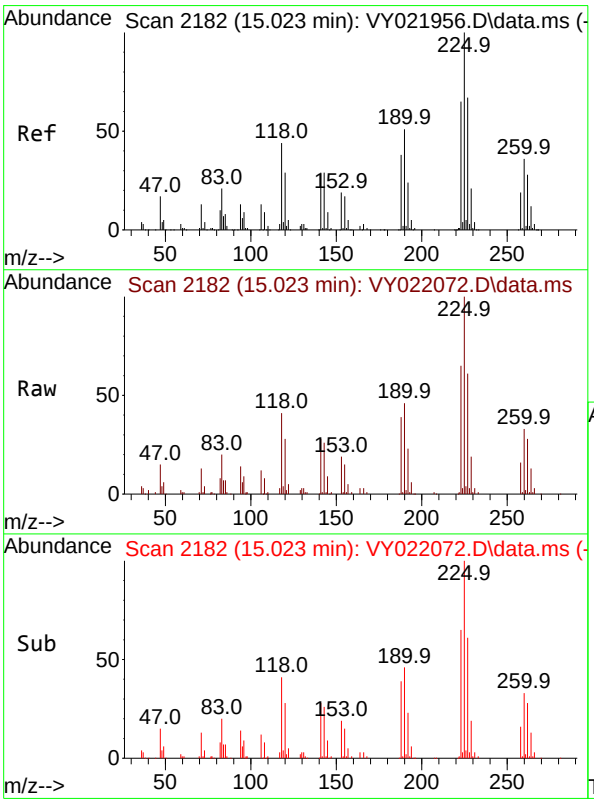
#93
1,2,4-Trichlorobenzene
Concen: 19.176 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:180 Resp: 72337

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.1	141.4
145	28.3	15.0	45.0

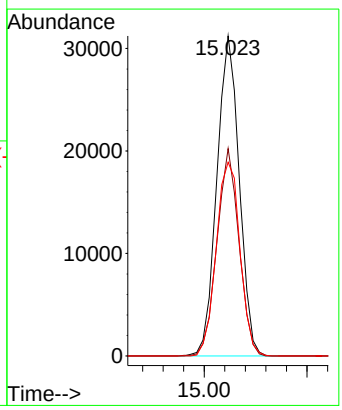


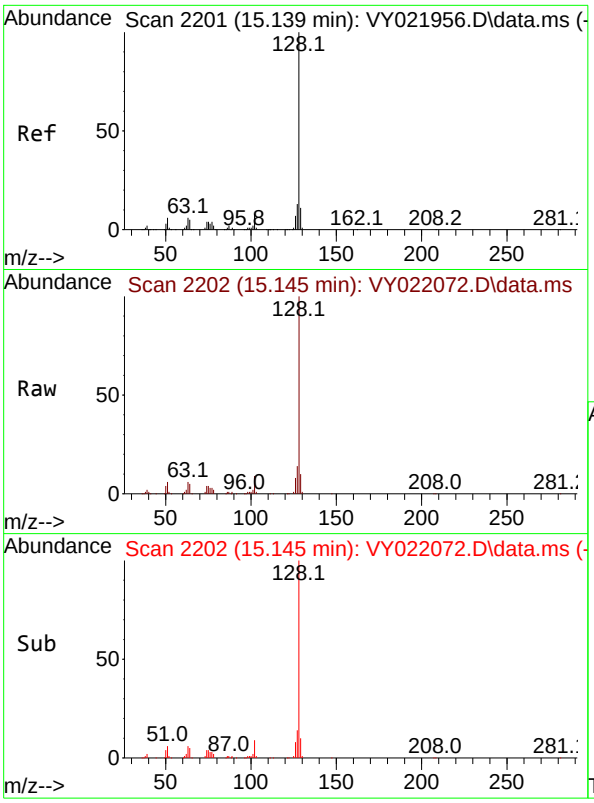


#94
Hexachlorobutadiene
Concen: 20.289 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:225 Resp: 47088

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.4	32.3	96.9



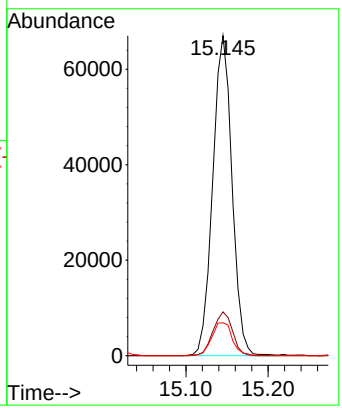


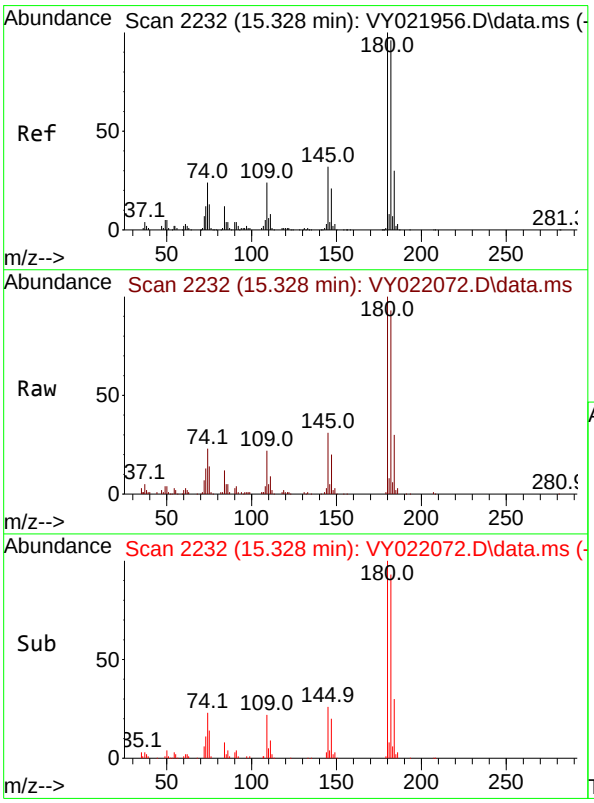
#95
Naphthalene
Concen: 17.424 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Instrument :
MSVOA_Y
ClientSampleId :
VY0430SBS01

Tgt Ion:128 Resp: 109185

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.0	8.9	13.3

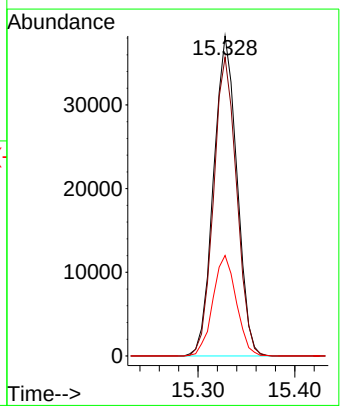




#96
1,2,3-Trichlorobenzene
Concen: 19.670 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022072.D
Acq: 30 Apr 2025 10:30

Tgt Ion:180 Resp: 64048

Ion	Ratio	Lower	Upper
180	100		
182	92.2	48.1	144.4
145	31.5	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	279787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	434114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	413341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	131210	50.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.540%			
35) Dibromofluoromethane	7.634	113	144859	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.103	98	561844	51.963	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.401	95	191468	52.603	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	105549	44.273	ug/l	96
3) Chloromethane	2.062	50	166711	49.110	ug/l	97
4) Vinyl Chloride	2.196	62	207563	49.757	ug/l	100
5) Bromomethane	2.592	94	159852	44.478	ug/l	100
6) Chloroethane	2.726	64	137426	48.372	ug/l	99
7) Trichlorofluoromethane	3.049	101	267089	48.555	ug/l	96
8) Diethyl Ether	3.452	74	71740	50.107	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	138291	46.344	ug/l	98
10) Methyl Iodide	4.000	142	184517	53.408	ug/l	99
11) Tert butyl alcohol	4.866	59	35756	252.019	ug/l #	85
12) 1,1-Dichloroethene	3.781	96	135740	48.803	ug/l	98
13) Acrolein	3.647	56	48349	189.869	ug/l	98
14) Allyl chloride	4.378	41	159760	49.330	ug/l	98
15) Acrylonitrile	5.055	53	136635	260.682	ug/l	99
16) Acetone	3.872	43	91946	273.850	ug/l	99
17) Carbon Disulfide	4.098	76	421617	47.541	ug/l	99
18) Methyl Acetate	4.378	43	90898	75.296	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	324886	52.188	ug/l	99
20) Methylene Chloride	4.610	84	155271	47.515	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	160468	51.515	ug/l	99
22) Diisopropyl ether	6.018	45	376056	52.178	ug/l	98
23) Vinyl Acetate	5.957	43	938715	241.676	ug/l	99
24) 1,1-Dichloroethane	5.909	63	251268	50.297	ug/l	99
25) 2-Butanone	6.890	43	151151	256.584	ug/l	98
26) 2,2-Dichloropropane	6.884	77	187753	42.880	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	181768	52.187	ug/l	97
28) Bromochloromethane	7.238	49	93915	48.399	ug/l	95
29) Tetrahydrofuran	7.262	42	102334	267.468	ug/l	97
30) Chloroform	7.420	83	286876	51.770	ug/l	99
31) Cyclohexane	7.701	56	197506	46.232	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	250695	50.005	ug/l	99
36) 1,1-Dichloropropene	7.829	75	191957	49.827	ug/l	99
37) Ethyl Acetate	6.988	43	67968	49.123	ug/l	97
38) Carbon Tetrachloride	7.817	117	230120	49.989	ug/l	98
39) Methylcyclohexane	9.103	83	234423	48.353	ug/l	95
40) Benzene	8.079	78	624003	51.816	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	38382	50.746	ug/l	#	89
42) 1,2-Dichloroethane	8.152	62	152663	51.202	ug/l		100
43) Isopropyl Acetate	8.195	43	137038	51.574	ug/l		99
44) Trichloroethene	8.865	130	172407	51.686	ug/l		98
45) 1,2-Dichloropropane	9.140	63	137332	51.567	ug/l		99
46) Dibromomethane	9.231	93	88131	52.864	ug/l		99
47) Bromodichloromethane	9.420	83	221221	53.118	ug/l		99
48) Methyl methacrylate	9.219	41	65076	52.979	ug/l		95
49) 1,4-Dioxane	9.231	88	19258	1083.807	ug/l		92
51) 4-Methyl-2-Pentanone	9.993	43	386602	277.552	ug/l		100
52) Toluene	10.170	92	413973	53.105	ug/l		99
53) t-1,3-Dichloropropene	10.389	75	181922	50.926	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	215998	50.866	ug/l		98
55) 1,1,2-Trichloroethane	10.566	97	120188	53.971	ug/l		99
56) Ethyl methacrylate	10.438	69	137995	54.188	ug/l		99
57) 1,3-Dichloropropane	10.713	76	191602	53.670	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	346335	278.156	ug/l		99
59) 2-Hexanone	10.755	43	256011	278.656	ug/l		99
60) Dibromochloromethane	10.908	129	167319	54.270	ug/l		99
61) 1,2-Dibromoethane	11.011	107	113497	53.986	ug/l		98
64) Tetrachloroethene	10.646	164	200262	51.358	ug/l		99
65) Chlorobenzene	11.438	112	463472	50.141	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	167141	51.362	ug/l		99
67) Ethyl Benzene	11.517	91	781741	51.700	ug/l		99
68) m/p-Xylenes	11.627	106	622156	103.402	ug/l		100
69) o-Xylene	11.950	106	291176	52.505	ug/l		100
70) Styrene	11.968	104	500569	53.759	ug/l		100
71) Bromoform	12.127	173	101109	53.441	ug/l	#	98
73) Isopropylbenzene	12.255	105	752047	49.631	ug/l		100
74) N-amyl acetate	12.066	43	120555	46.307	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	124934	48.903	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	160005	82.363	ug/l	#	100
77) Bromobenzene	12.529	156	190775	49.825	ug/l		98
78) n-propylbenzene	12.590	91	883060	48.936	ug/l		100
79) 2-Chlorotoluene	12.676	91	513695	48.949	ug/l		99
80) 1,3,5-Trimethylbenzene	12.730	105	624160	49.993	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	35247	43.692	ug/l		98
82) 4-Chlorotoluene	12.773	91	531810	48.749	ug/l		98
83) tert-Butylbenzene	12.993	119	562168	50.206	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	626953	50.205	ug/l		100
85) sec-Butylbenzene	13.176	105	804127	49.077	ug/l		100
86) p-Isopropyltoluene	13.291	119	682689	49.067	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	379414	48.789	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	372692	48.390	ug/l		99
89) n-Butylbenzene	13.614	91	589280	47.384	ug/l		100
90) Hexachloroethane	13.877	117	145885	47.724	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	336060	49.546	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19056	46.884	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	185351	48.224	ug/l		100
94) Hexachlorobutadiene	15.023	225	109687	46.383	ug/l		99
95) Naphthalene	15.145	128	325878	51.039	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	162616	49.013	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

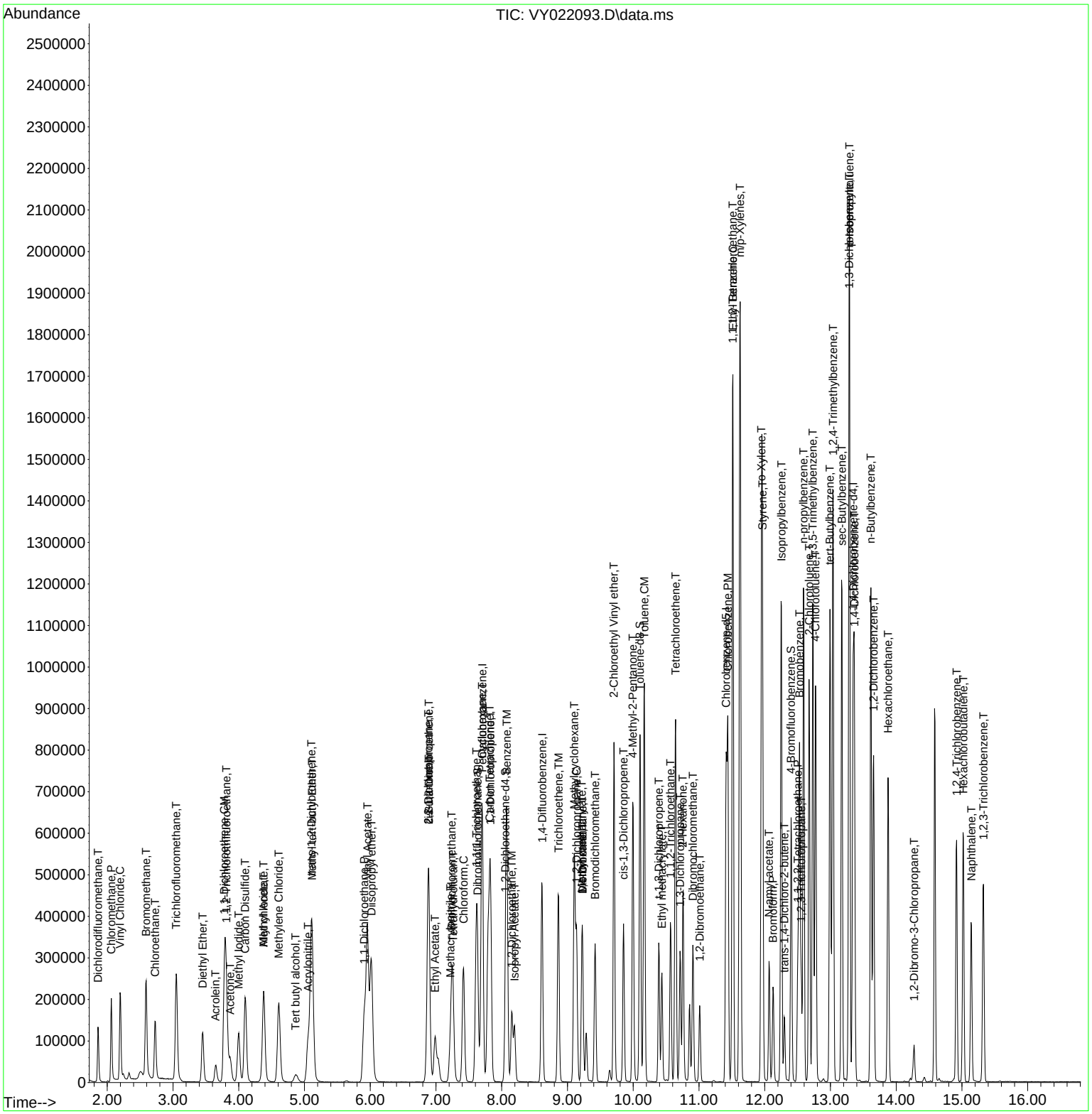
(#) = qualifier out of range (m) = manual integration (+) = signals summed

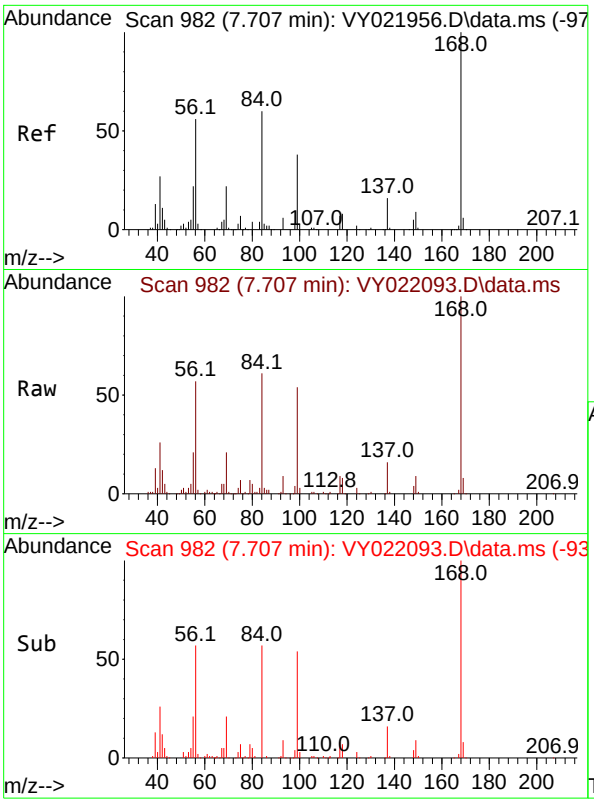
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
Data File : VY022093.D
Acq On : 30 Apr 2025 19:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 01 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



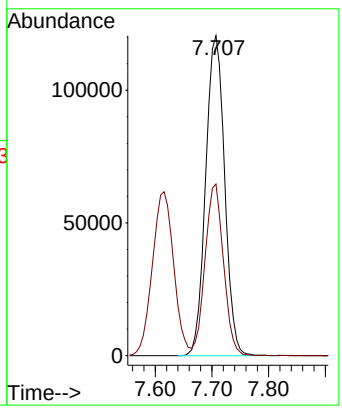


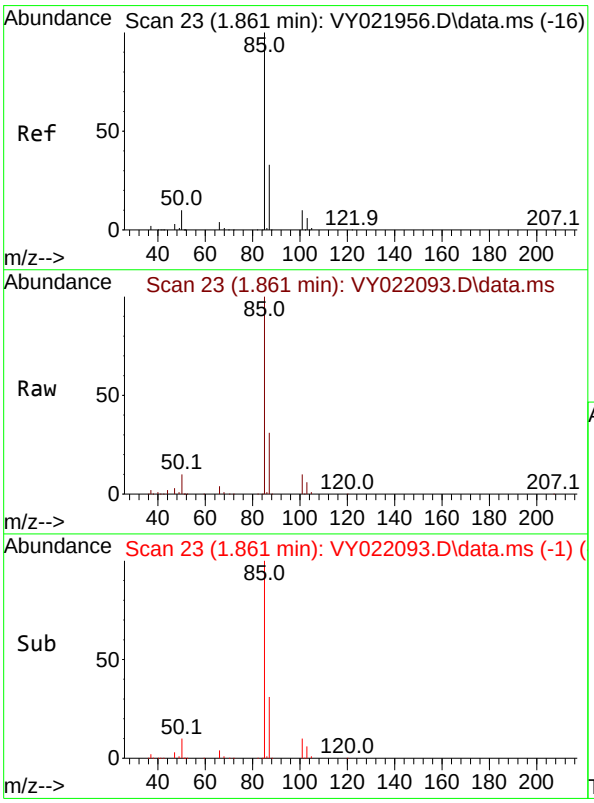
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 279787

Ion	Ratio	Lower	Upper
168	100		
99	53.5	43.1	64.7

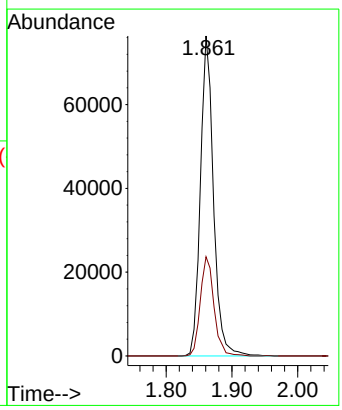


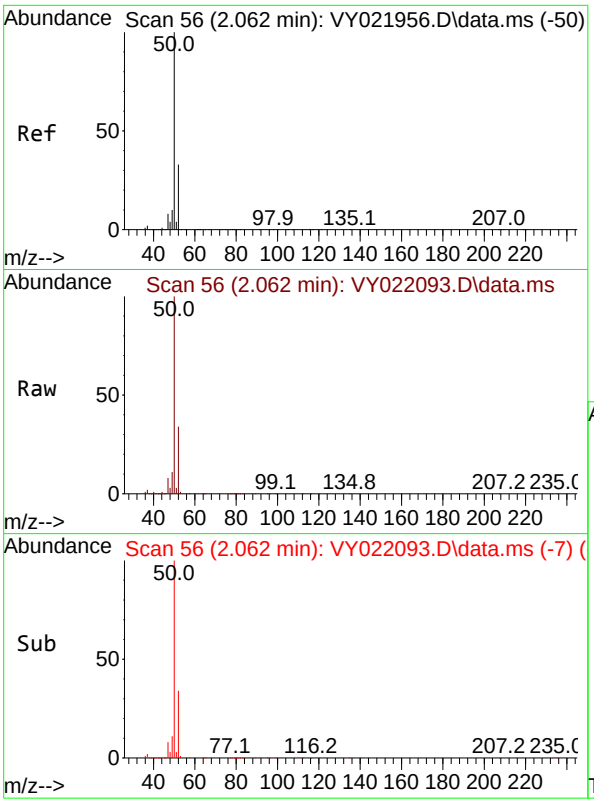


#2
Dichlorodifluoromethane
Concen: 44.273 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 85 Resp: 105549

Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.6	49.7



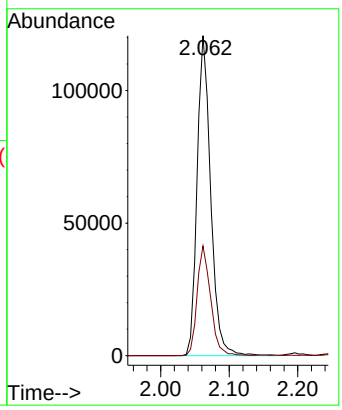


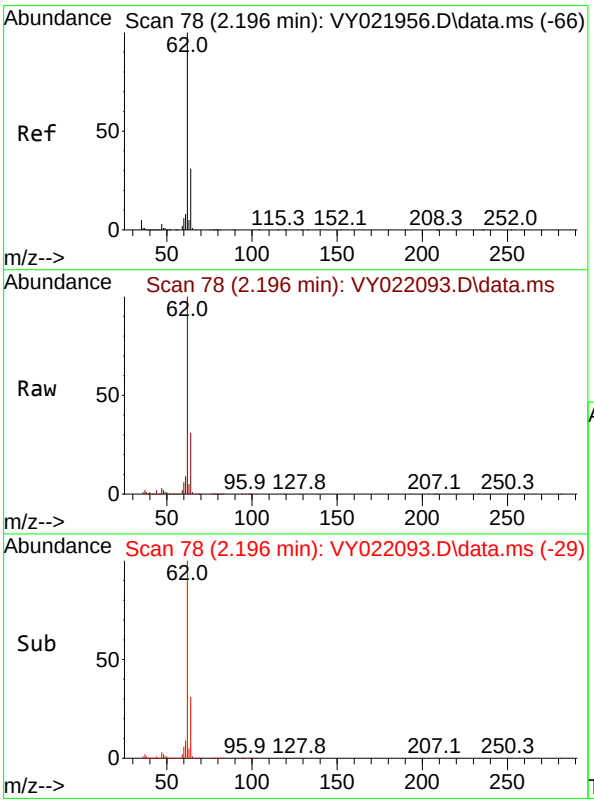
#3
Chloromethane
Concen: 49.110 ug/l
RT: 2.062 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 166711

Ion	Ratio	Lower	Upper
50	100		
52	34.3	26.1	39.1

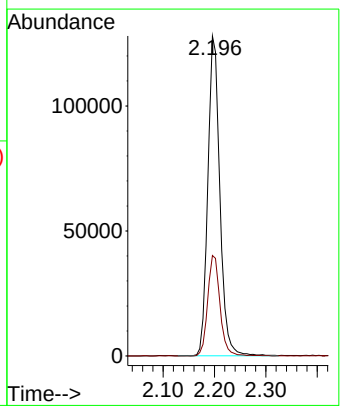


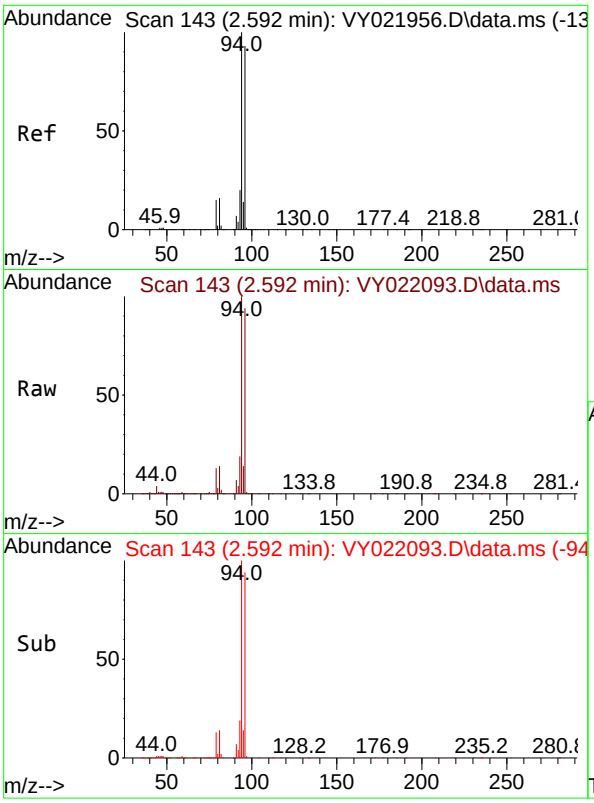


#4
Vinyl Chloride
Concen: 49.757 ug/l
RT: 2.196 min Scan# 78
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 62 Resp: 207563

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.1	37.7



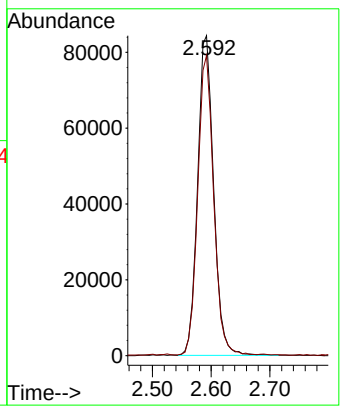


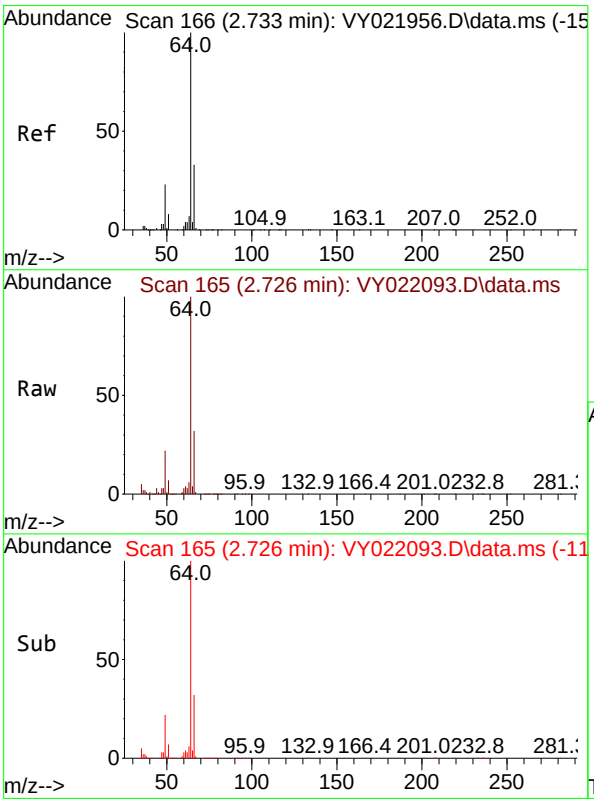
#5
Bromomethane
Concen: 44.478 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 159852

Ion	Ratio	Lower	Upper
94	100		
96	93.6	74.6	111.8

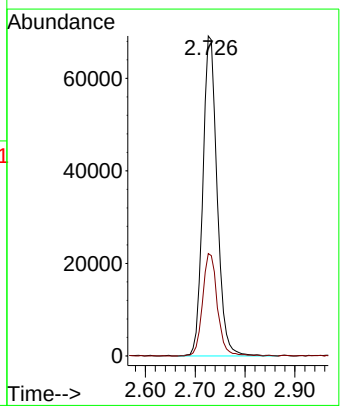


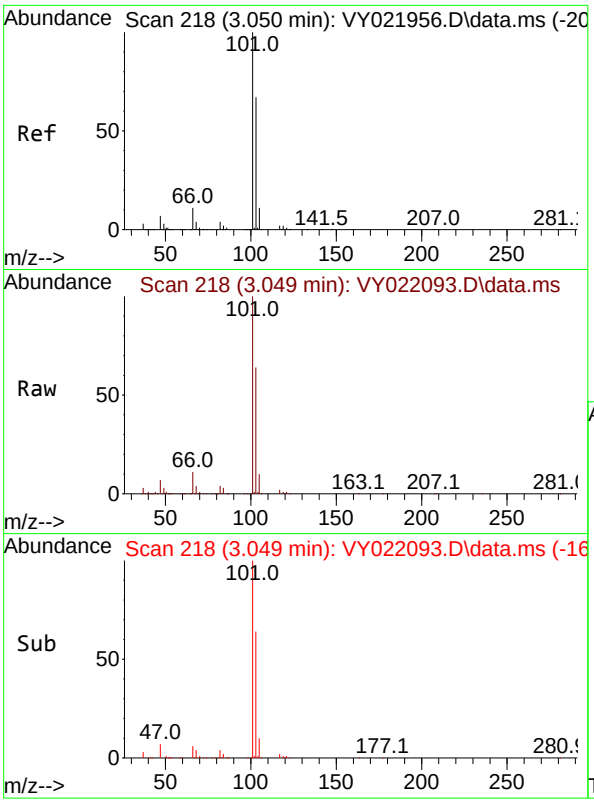


#6
Chloroethane
Concen: 48.372 ug/l
RT: 2.726 min Scan# 165
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 64 Resp: 137426

Ion	Ratio	Lower	Upper
64	100		
66	32.0	26.2	39.4



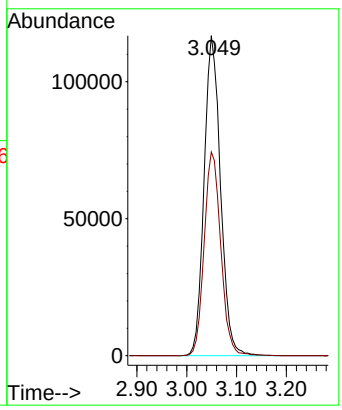


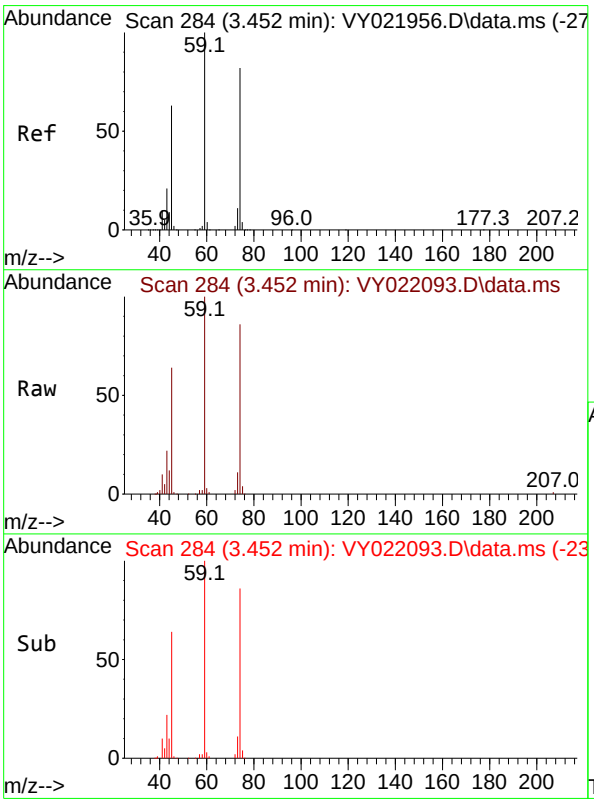
#7
Trichlorofluoromethane
Concen: 48.555 ug/l
RT: 3.049 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 267089

Ion	Ratio	Lower	Upper
101	100		
103	63.7	53.6	80.4

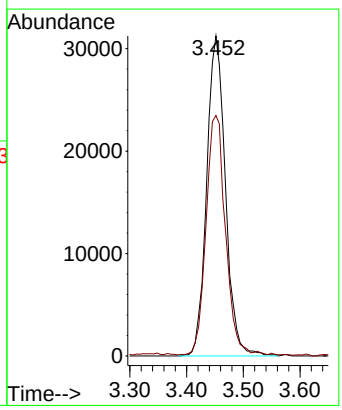


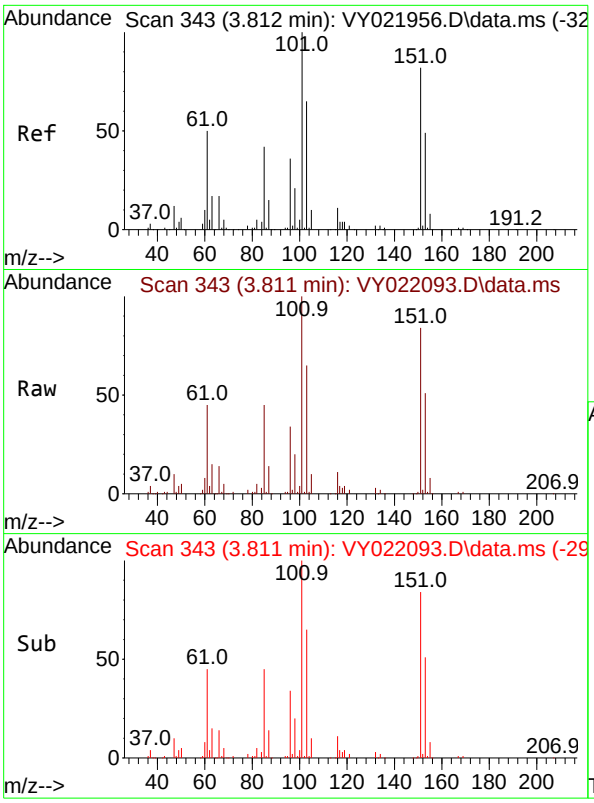


#8
Diethyl Ether
Concen: 50.107 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 74 Resp: 71740

Ion	Ratio	Lower	Upper
74	100		
45	77.1	39.1	117.5



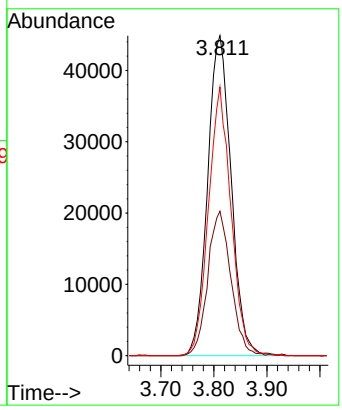


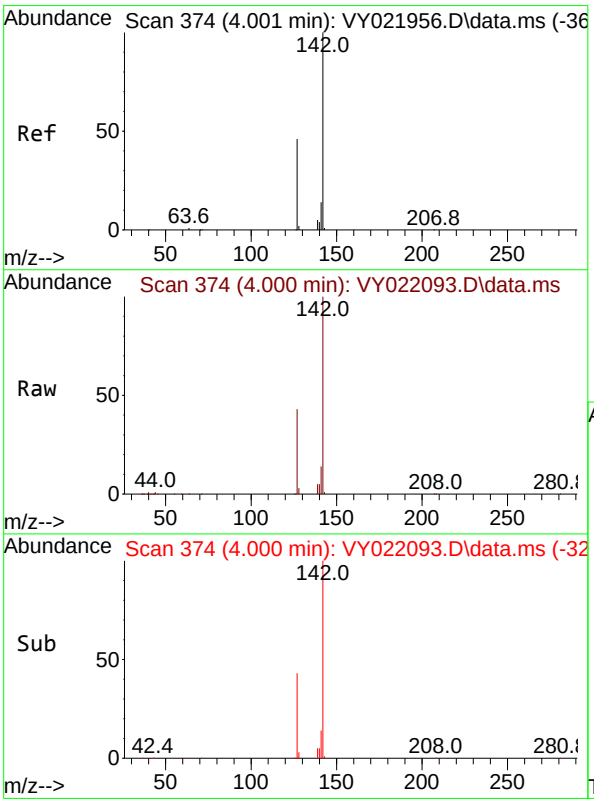
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.344 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 138291

Ion	Ratio	Lower	Upper
101	100		
85	44.5	34.6	51.8
151	80.8	63.7	95.5

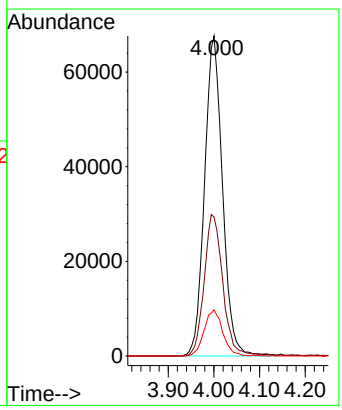


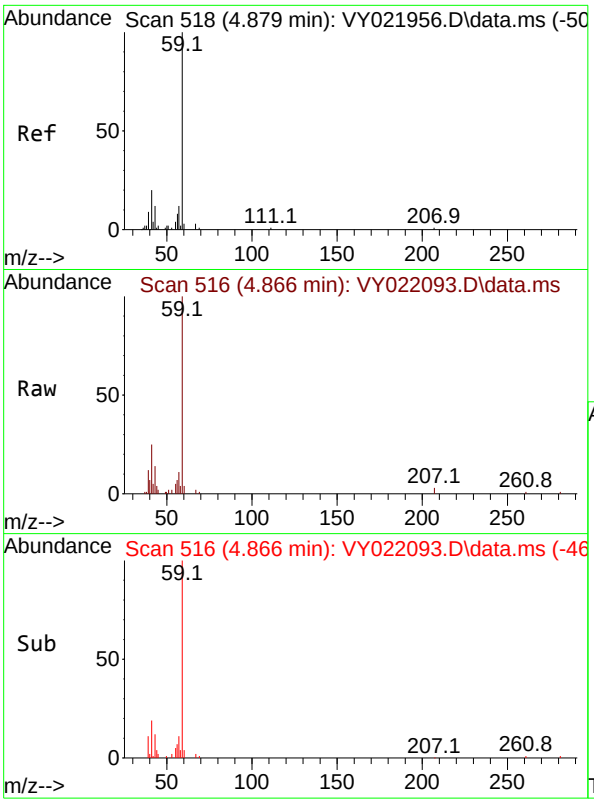


#10
Methyl Iodide
Concen: 53.408 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:142 Resp: 184517

Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.2	54.2
141	14.8	11.7	17.5



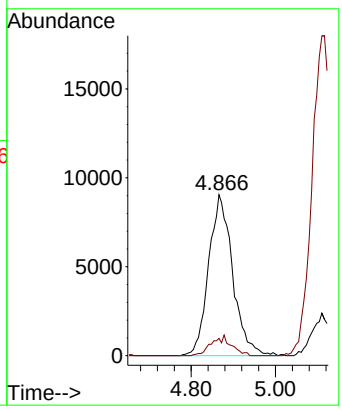


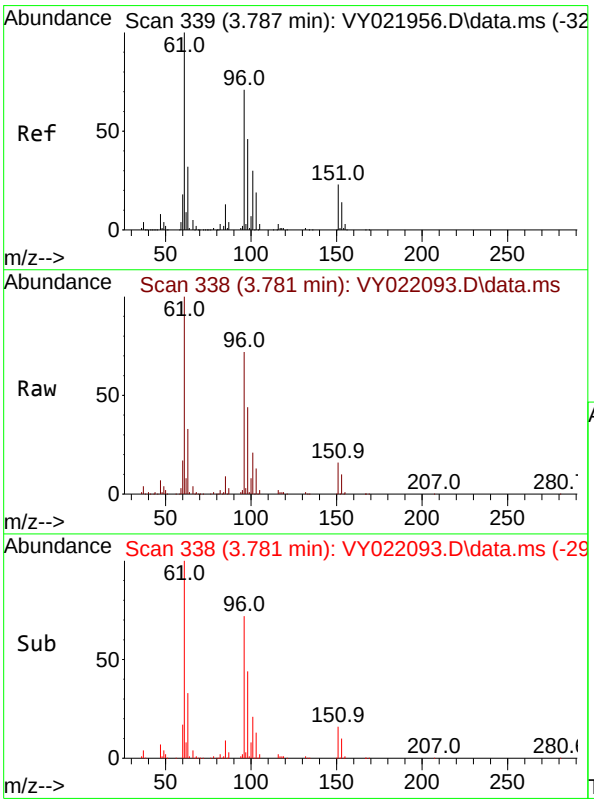
#11
Tert butyl alcohol
Concen: 252.019 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 35756

Ion	Ratio	Lower	Upper
59	100		
57	5.8	9.3	13.9#

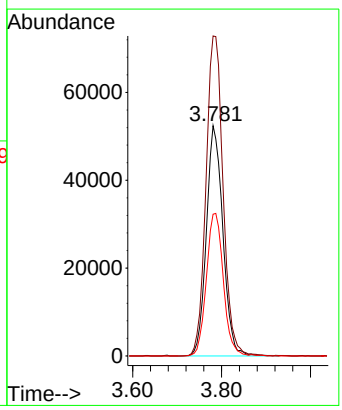


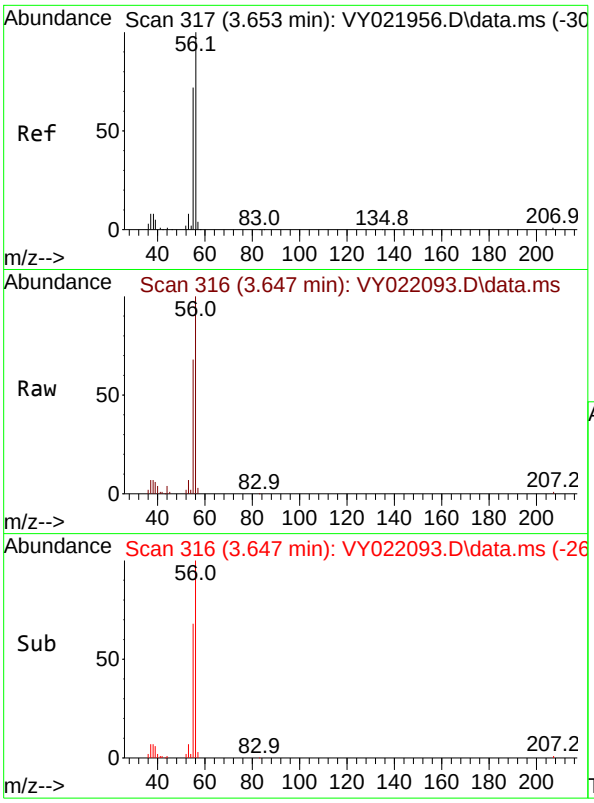


#12
1,1-Dichloroethene
Concen: 48.803 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 96 Resp: 135740

Ion	Ratio	Lower	Upper
96	100		
61	139.0	113.0	169.4
98	61.6	51.4	77.2



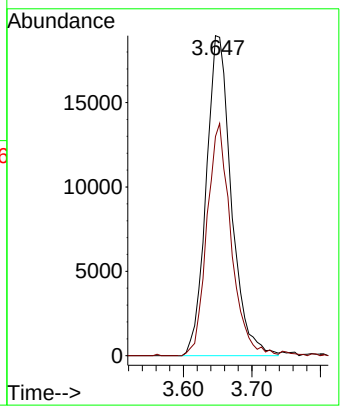


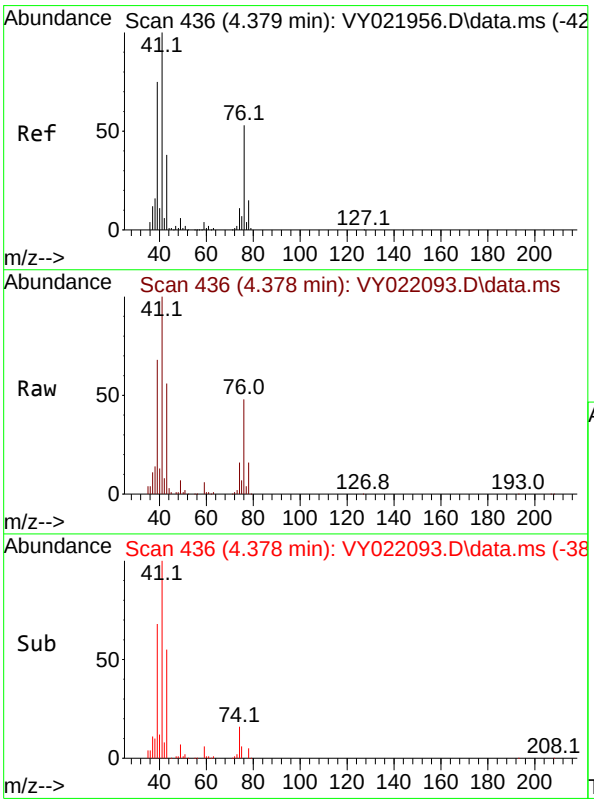
#13
Acrolein
Concen: 189.869 ug/l
RT: 3.647 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 48349

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.4	86.0

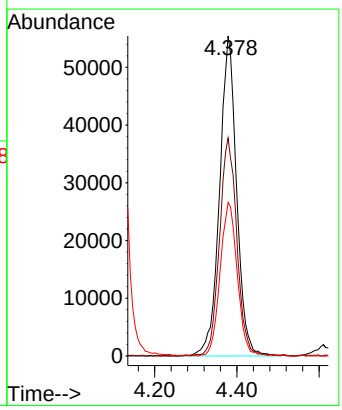


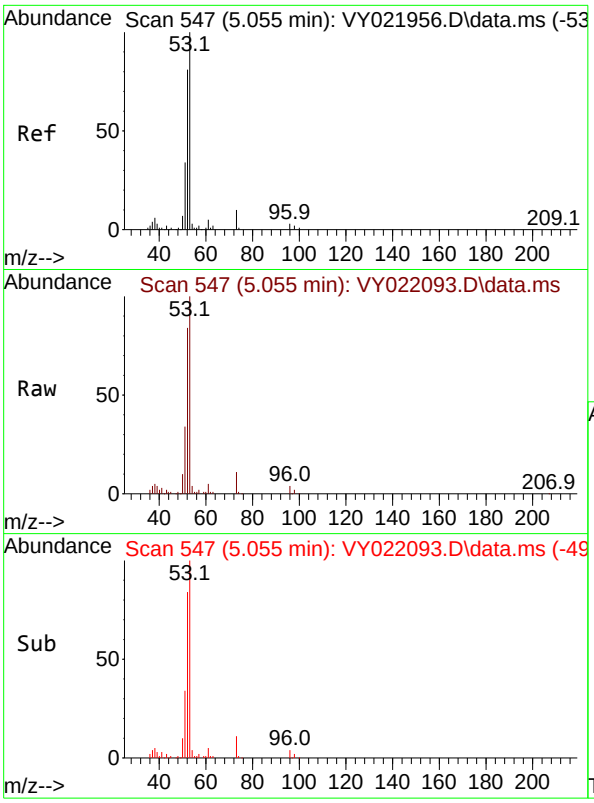


#14
Allyl chloride
Concen: 49.330 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 41 Resp: 159760

Ion	Ratio	Lower	Upper
41	100		
39	69.3	57.2	85.8
76	48.1	39.7	59.5



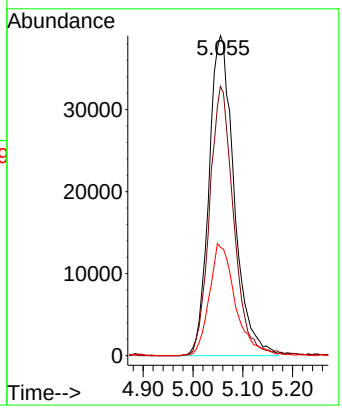


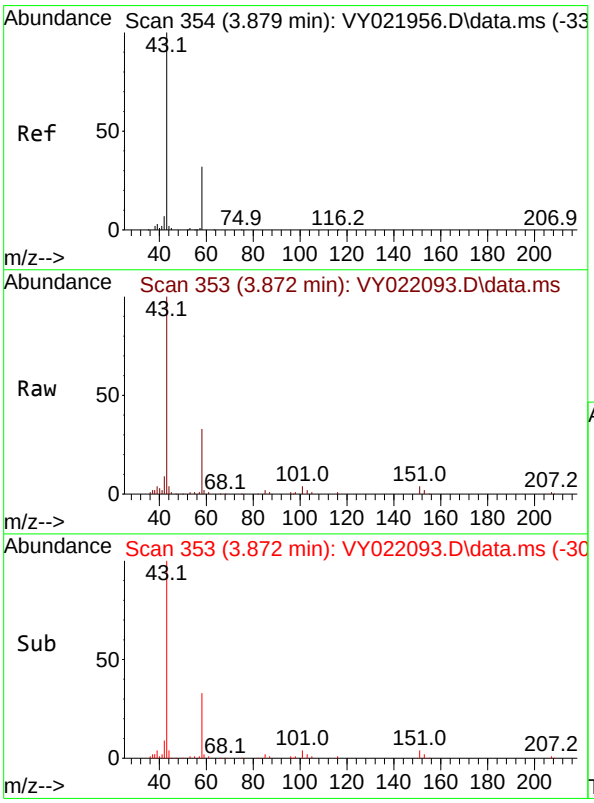
#15
Acrylonitrile
Concen: 260.682 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 136635

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.0	97.6
51	36.5	28.9	43.3

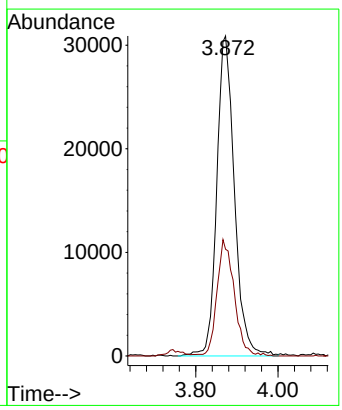


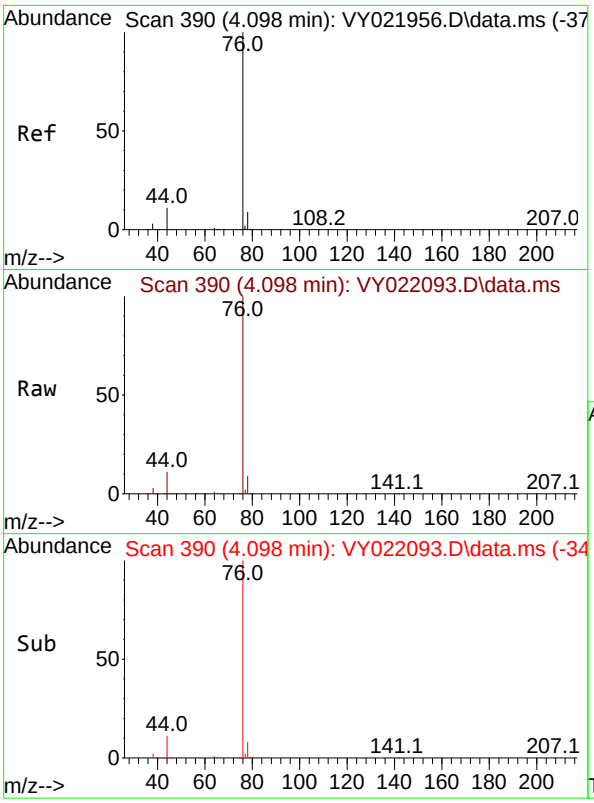


#16
Acetone
Concen: 273.850 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 91946

Ion	Ratio	Lower	Upper
43	100		
58	33.3	27.0	40.4



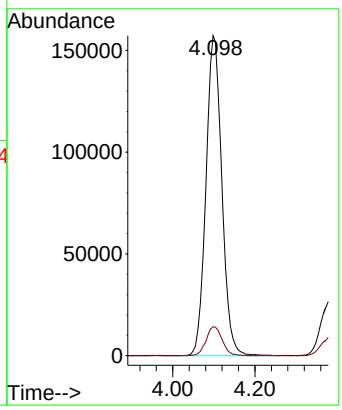


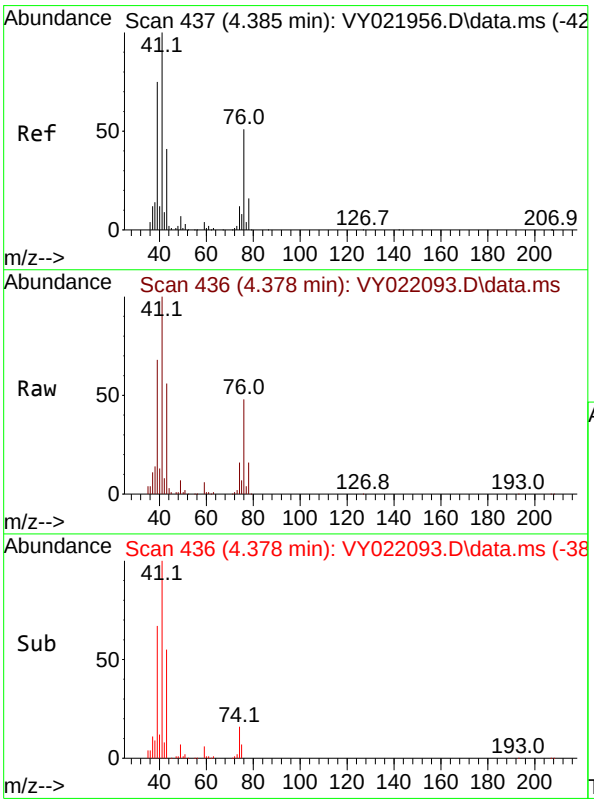
#17
Carbon Disulfide
Concen: 47.541 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 421617

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

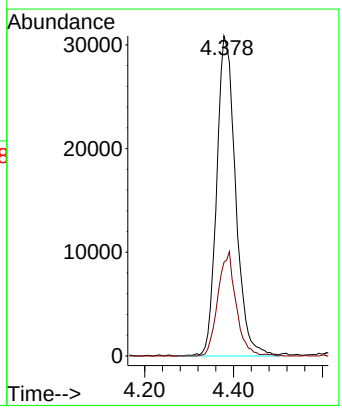


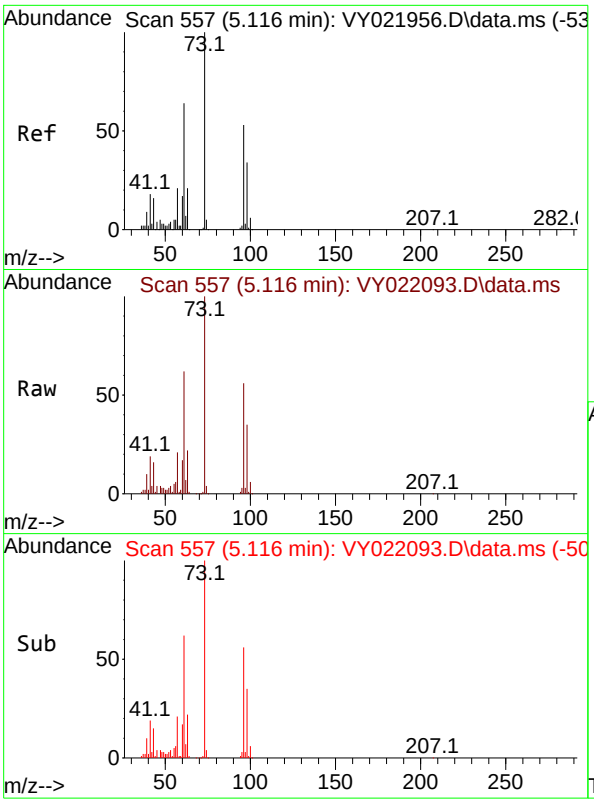


#18
Methyl Acetate
Concen: 75.296 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 90898

Ion	Ratio	Lower	Upper
43	100		
74	31.1	24.2	36.4



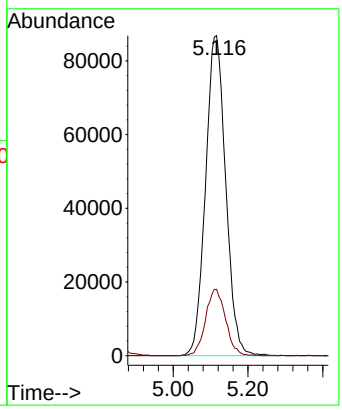


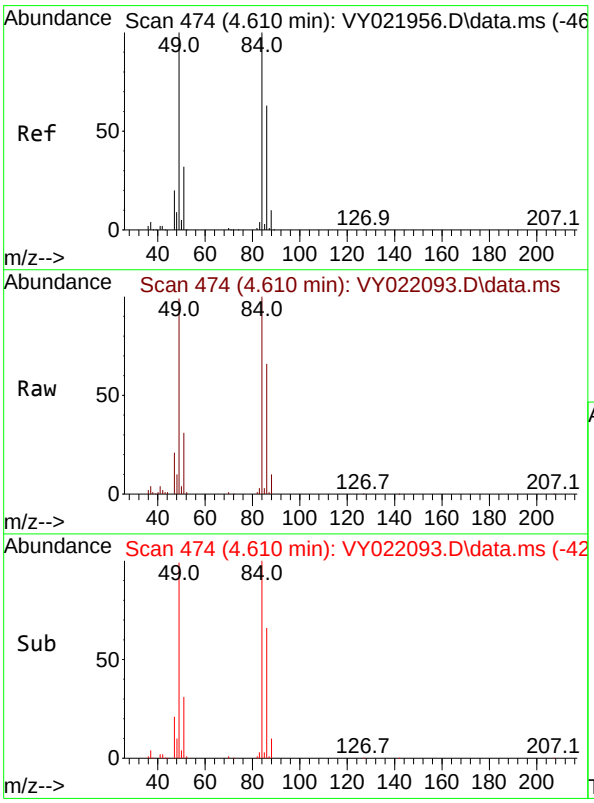
#19
Methyl tert-butyl Ether
Concen: 52.188 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 324886

Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.9	25.3

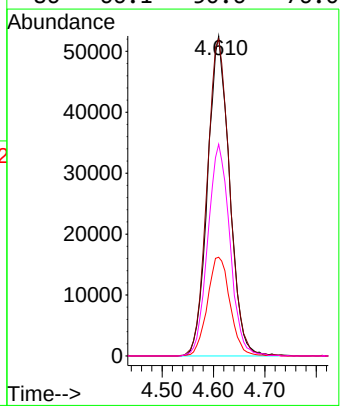


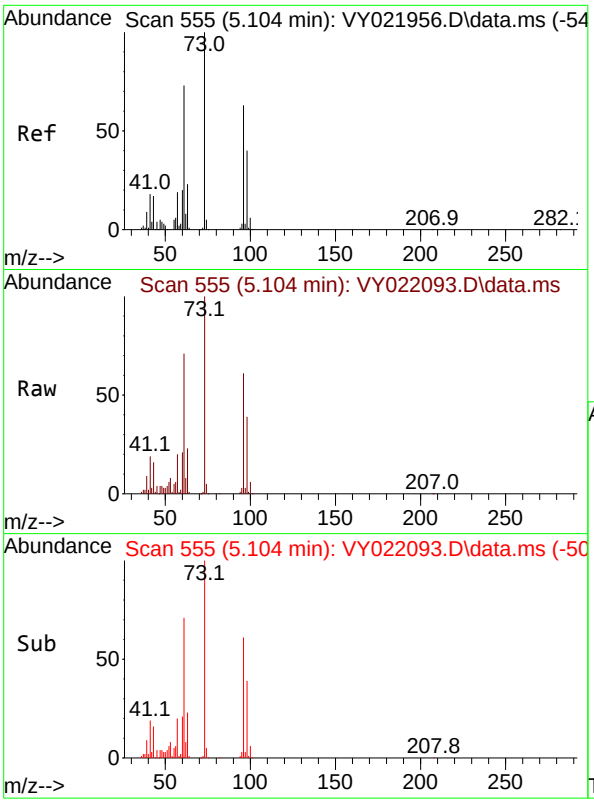


#20
Methylene Chloride
Concen: 47.515 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 84 Resp: 155271

Ion	Ratio	Lower	Upper
84	100		
49	99.0	79.9	119.9
51	30.8	25.4	38.0
86	66.1	50.6	76.0



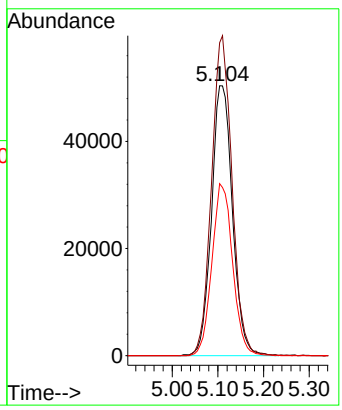


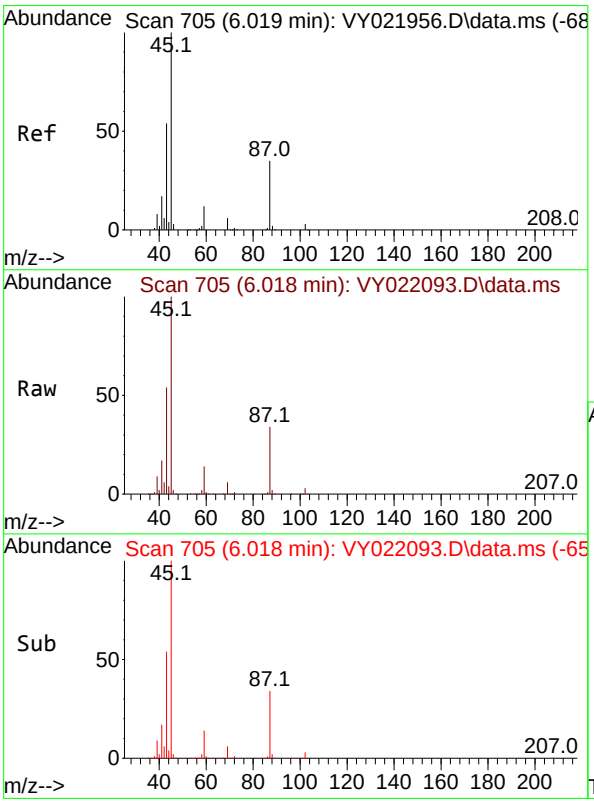
#21
trans-1,2-Dichloroethene
Concen: 51.515 ug/l
RT: 5.104 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 160468

Ion	Ratio	Lower	Upper
96	100		
61	115.9	92.6	138.8
98	63.7	50.2	75.4

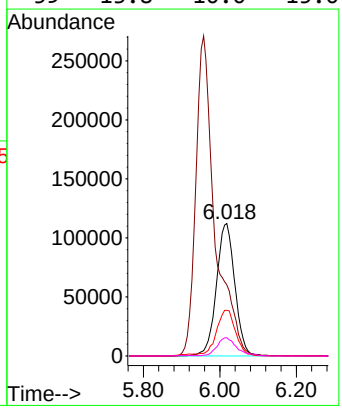


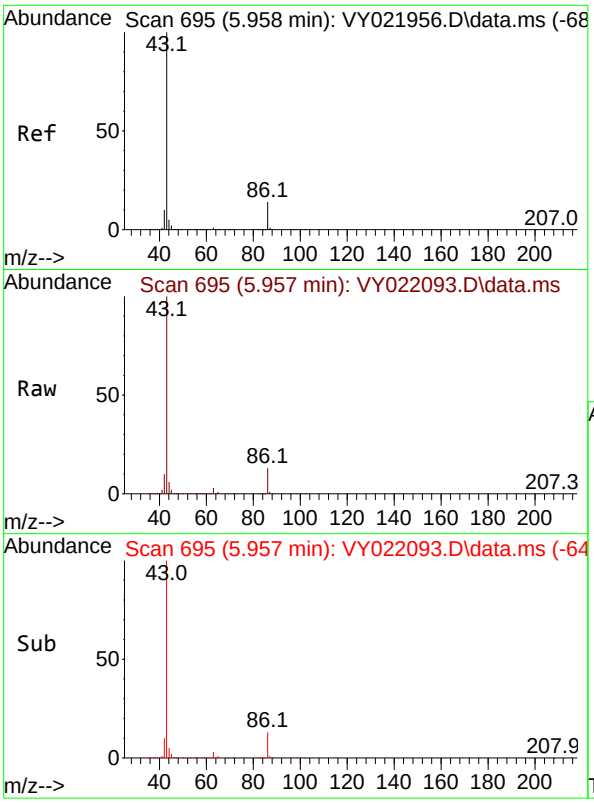


#22
Diisopropyl ether
Concen: 52.178 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 45 Resp: 376056

Ion	Ratio	Lower	Upper
45	100		
43	53.4	43.6	65.4
87	34.4	28.2	42.4
59	13.8	10.0	15.0



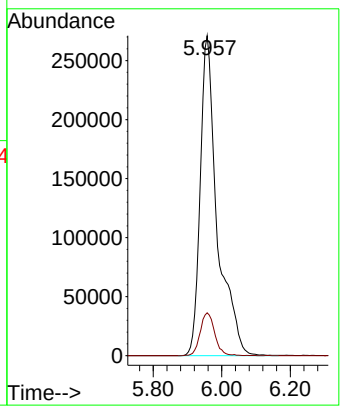


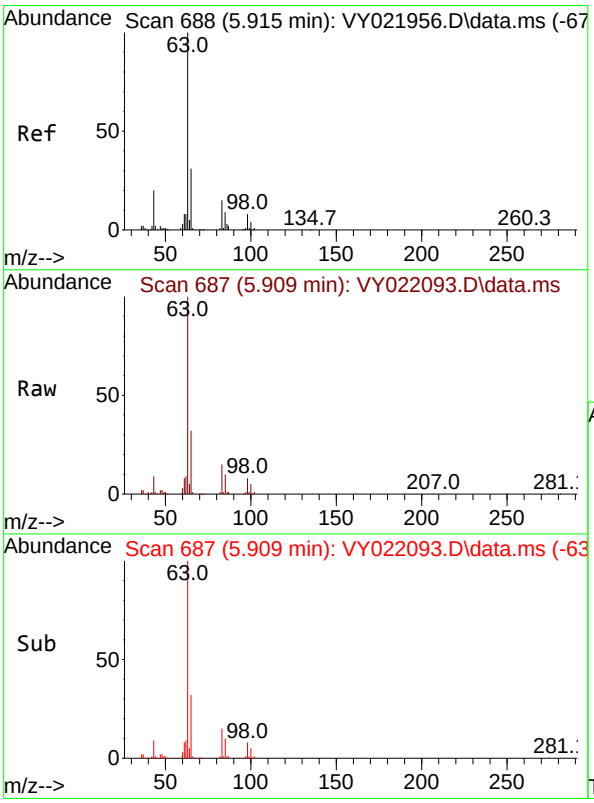
#23
Vinyl Acetate
Concen: 241.676 ug/l
RT: 5.957 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 938715

Ion	Ratio	Lower	Upper
43	100		
86	13.4	11.1	16.7

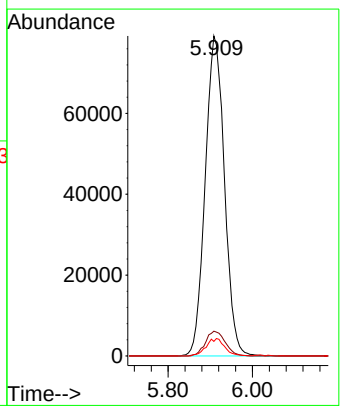


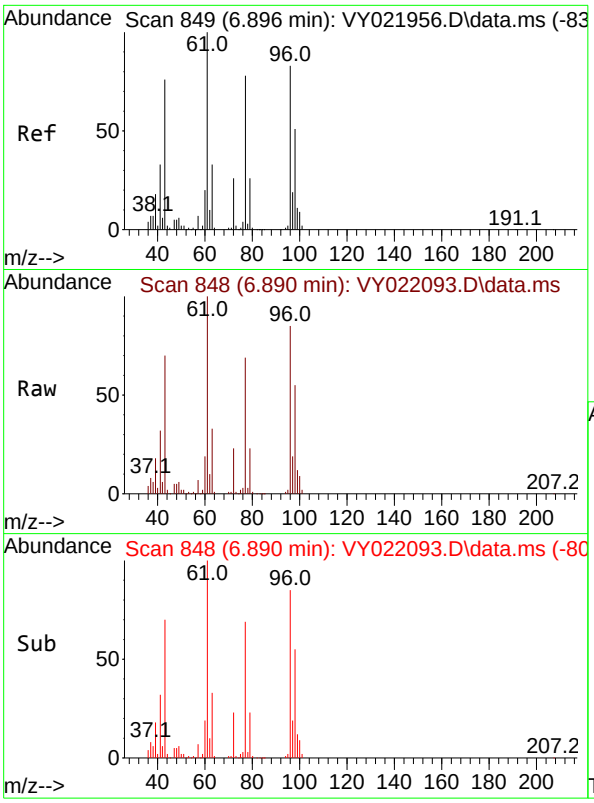


#24
1,1-Dichloroethane
Concen: 50.297 ug/l
RT: 5.909 min Scan# 687
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 63 Resp: 251268

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	4.6	2.0	6.0



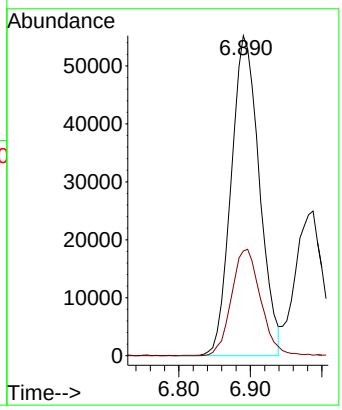


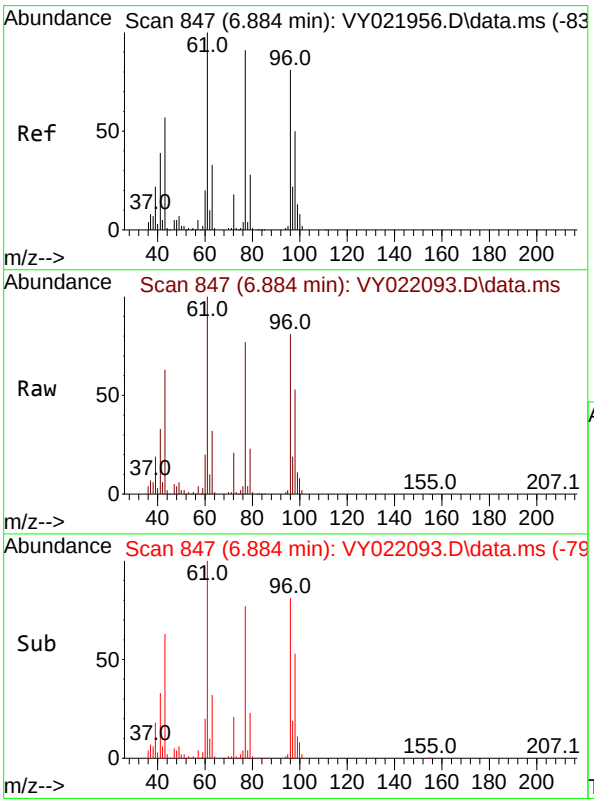
#25
2-Butanone
Concen: 256.584 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 151151

Ion	Ratio	Lower	Upper
43	100		
72	32.7	27.0	40.4

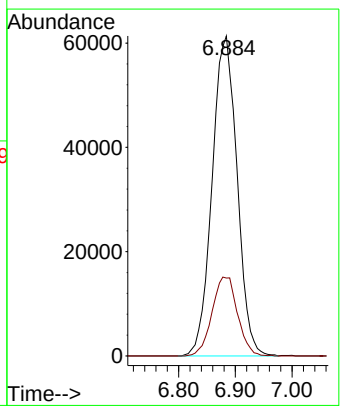


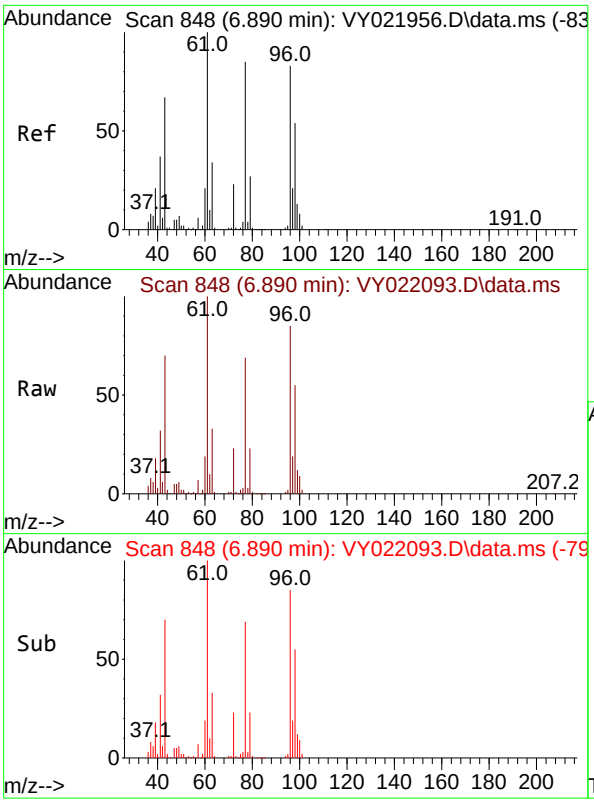


#26
2,2-Dichloropropane
Concen: 42.880 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 77 Resp: 187753

Ion	Ratio	Lower	Upper
77	100		
97	25.2	12.4	37.4



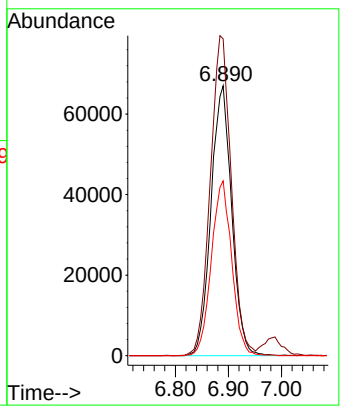


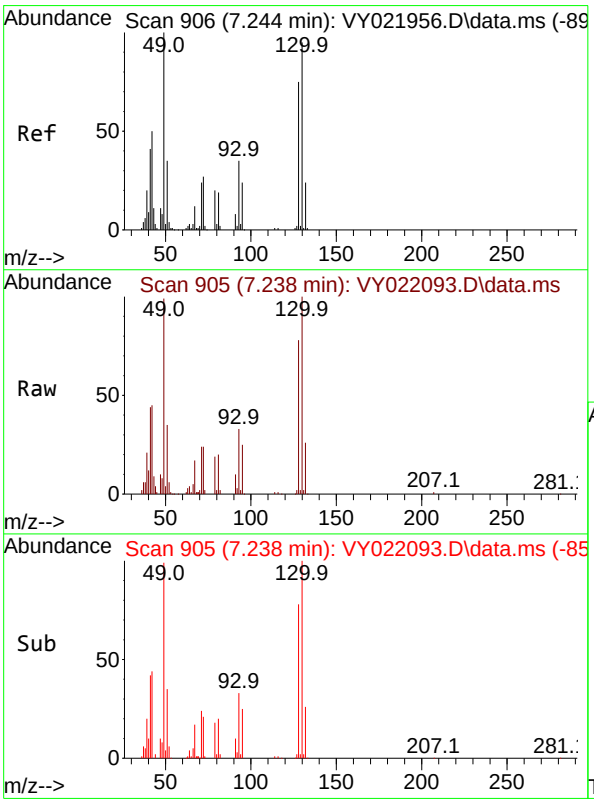
#27
cis-1,2-Dichloroethene
Concen: 52.187 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 181768

Ion	Ratio	Lower	Upper
96	100		
61	120.5	0.0	251.4
98	63.8	0.0	128.4

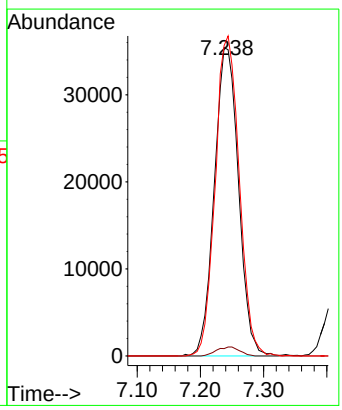


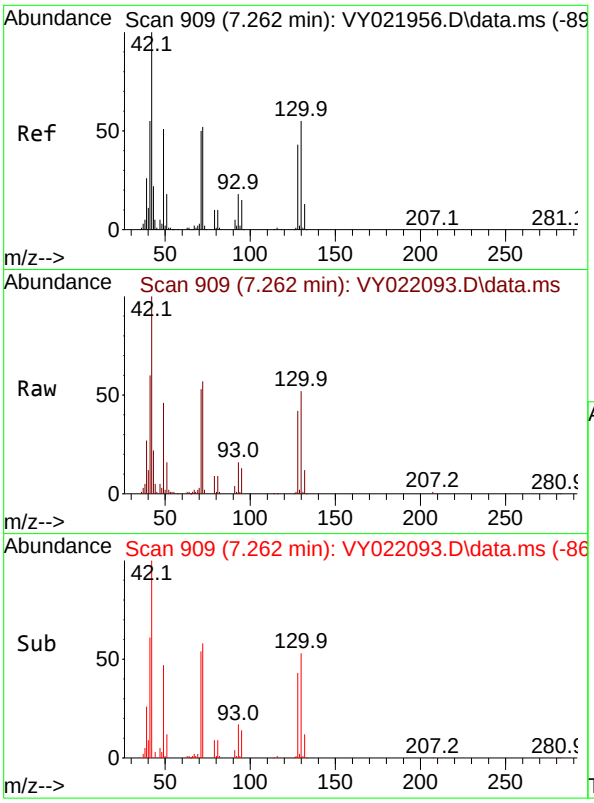


#28
Bromochloromethane
Concen: 48.399 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 49 Resp: 93915

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	102.8	78.2	117.4



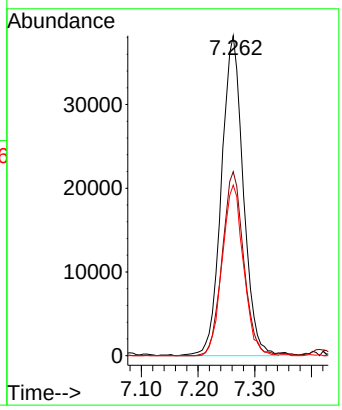


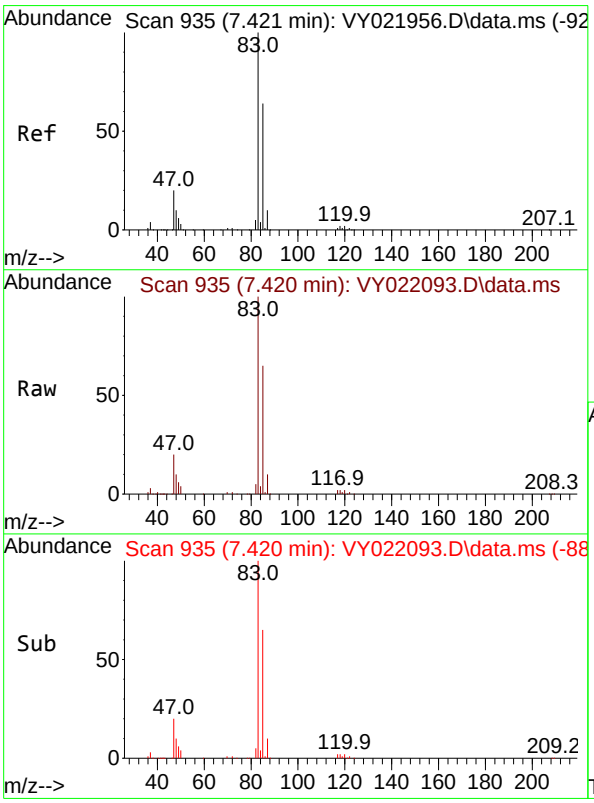
#29
Tetrahydrofuran
Concen: 267.468 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 102334

Ion	Ratio	Lower	Upper
42	100		
72	56.4	42.6	63.8
71	52.1	40.6	61.0

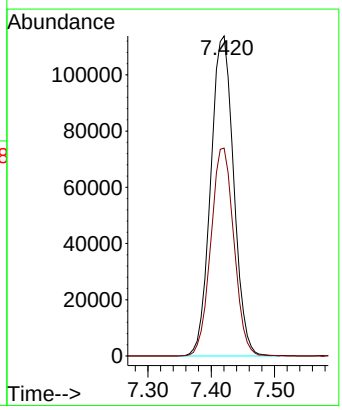


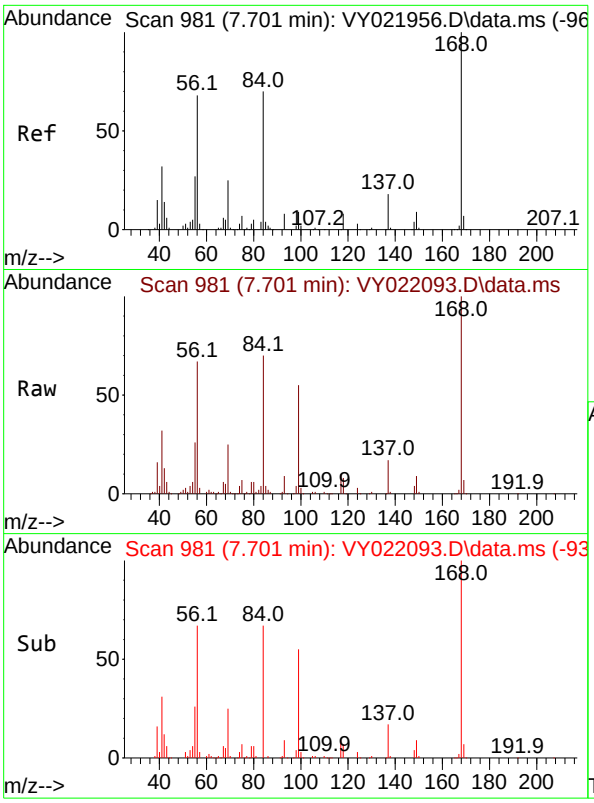


#30
Chloroform
Concen: 51.770 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 83 Resp: 286876

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9



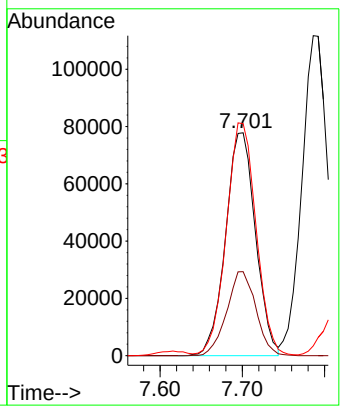


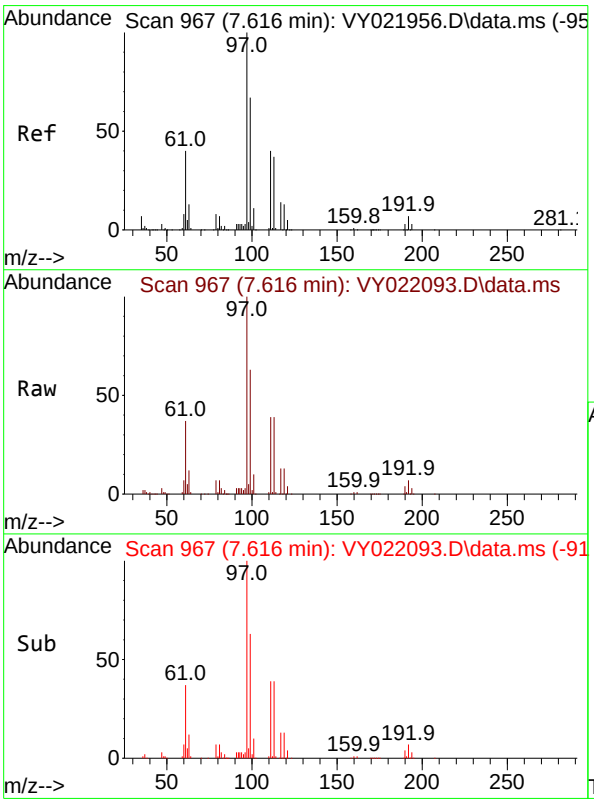
#31
Cyclohexane
Concen: 46.232 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 197506

Ion	Ratio	Lower	Upper
56	100		
69	37.7	29.4	44.2
84	102.4	82.2	123.4

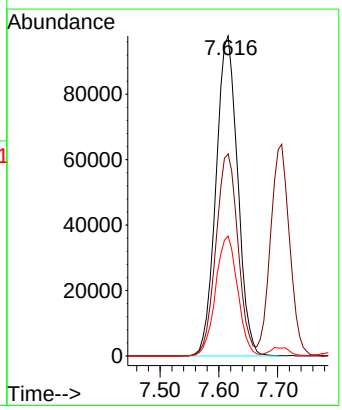


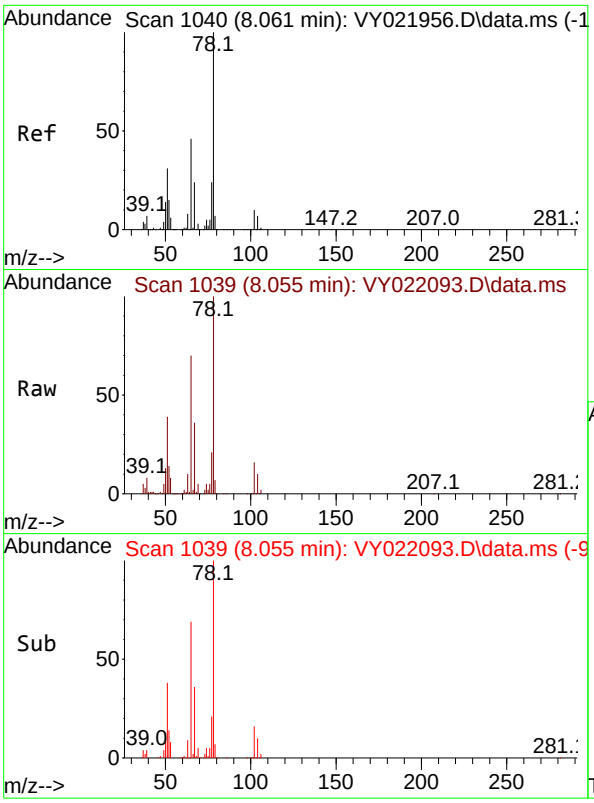


#32
1,1,1-Trichloroethane
Concen: 50.005 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 97 Resp: 250695

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	38.2	31.4	47.2



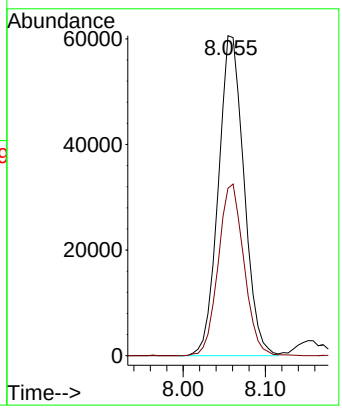


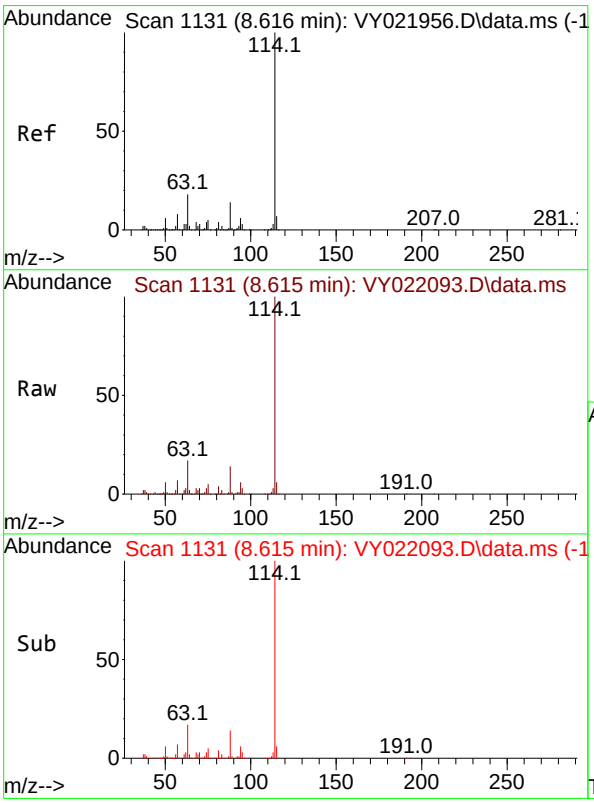
#33
1,2-Dichloroethane-d4
Concen: 50.771 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 131210

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.8

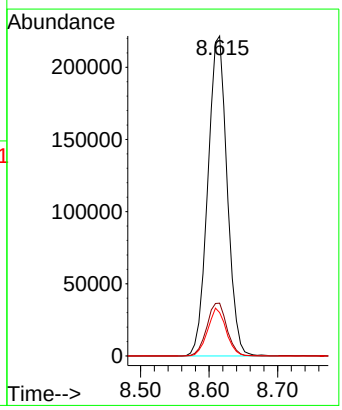


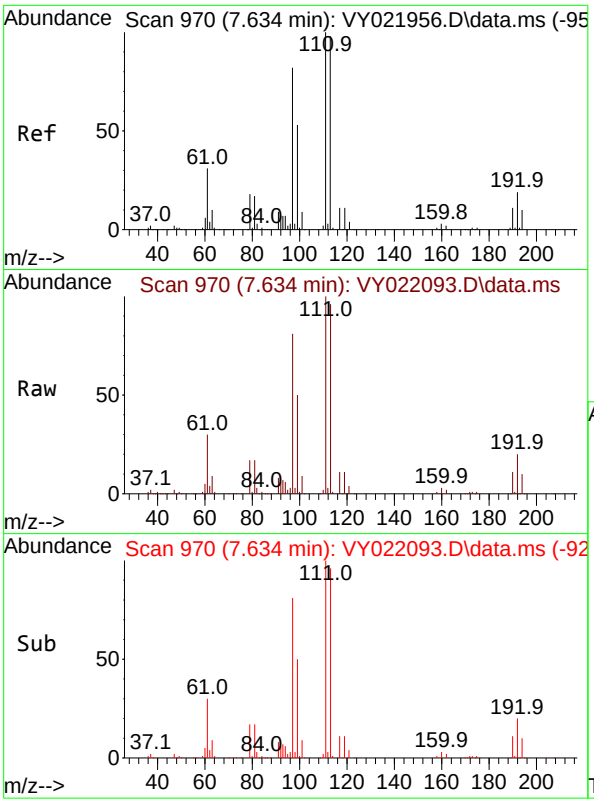


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:114 Resp: 434114

Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	35.4
88	13.6	0.0	28.2



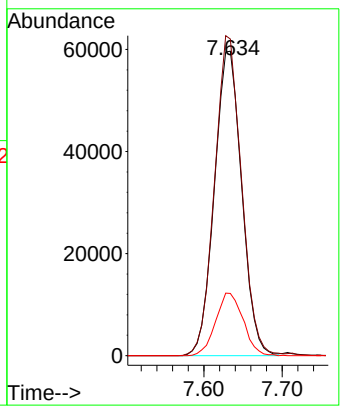


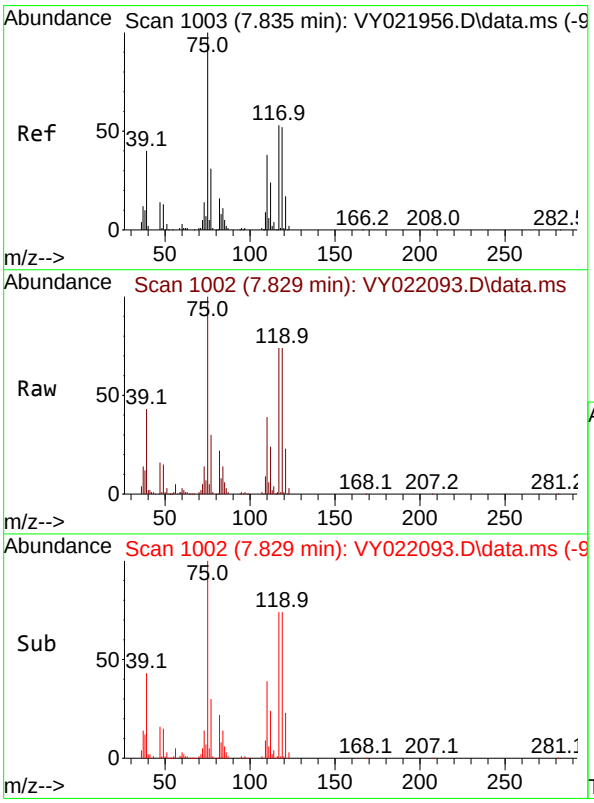
#35
Dibromofluoromethane
Concen: 50.509 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 144859

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	20.7	15.6	23.4

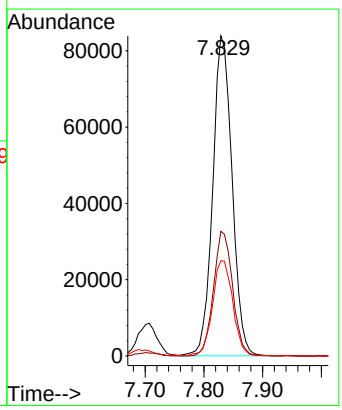


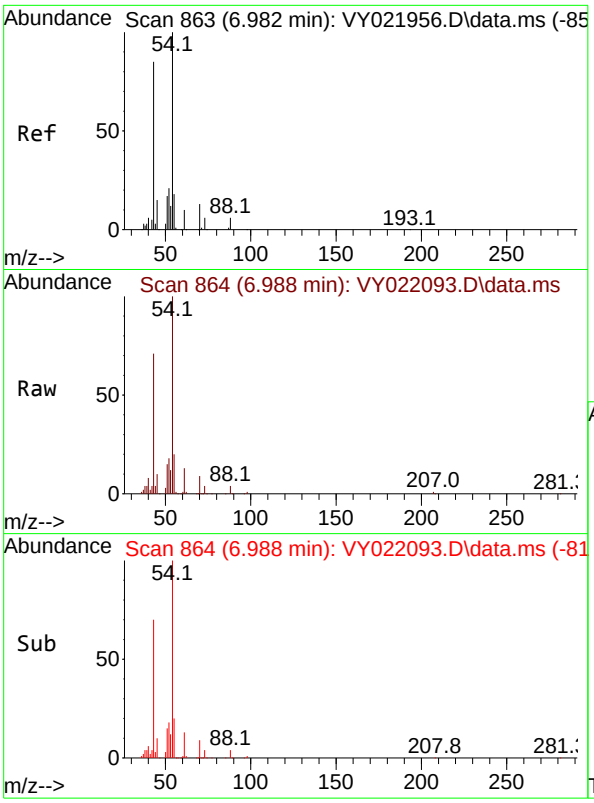


#36
1,1-Dichloropropene
Concen: 49.827 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 191957

Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	31.3	25.5	38.3



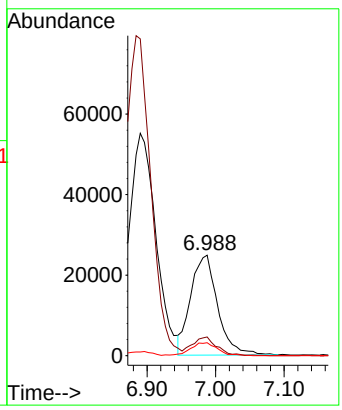


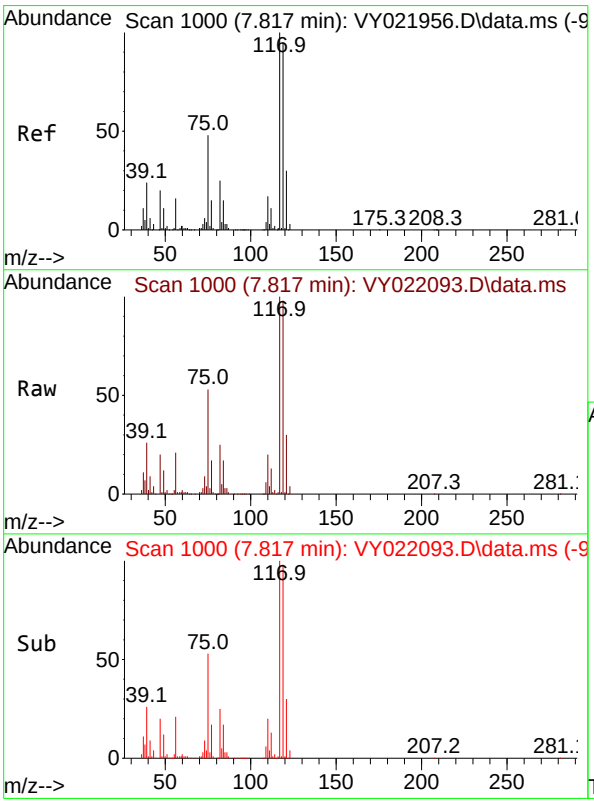
#37
Ethyl Acetate
Concen: 49.123 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 67968

Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.8	20.6
70	12.9	9.2	13.8

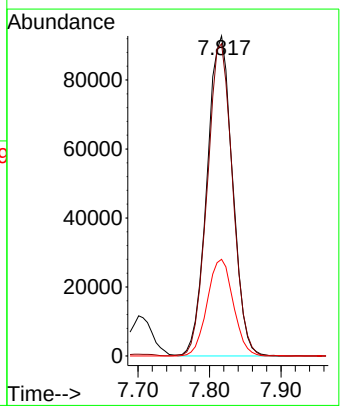


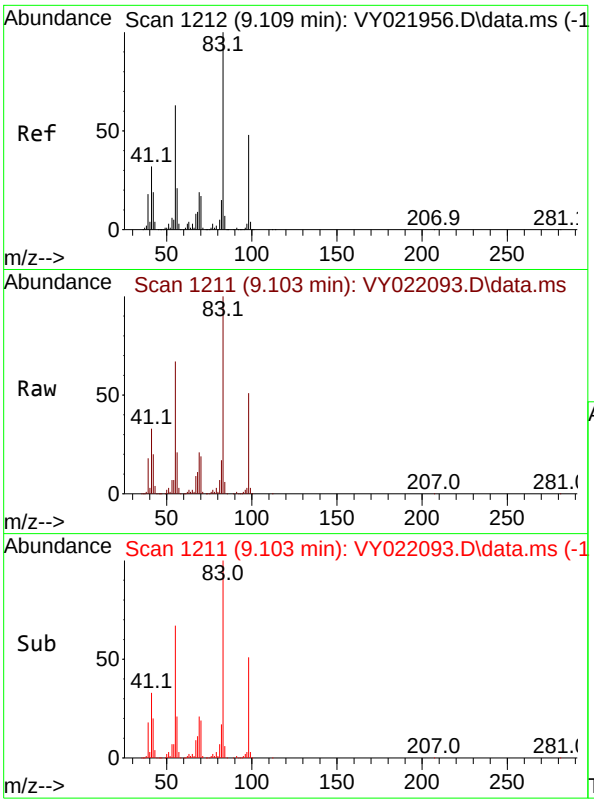


#38
Carbon Tetrachloride
Concen: 49.989 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:117 Resp: 230120

Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.2	114.4
121	30.2	24.0	36.0



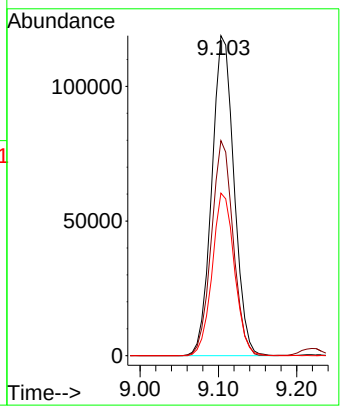


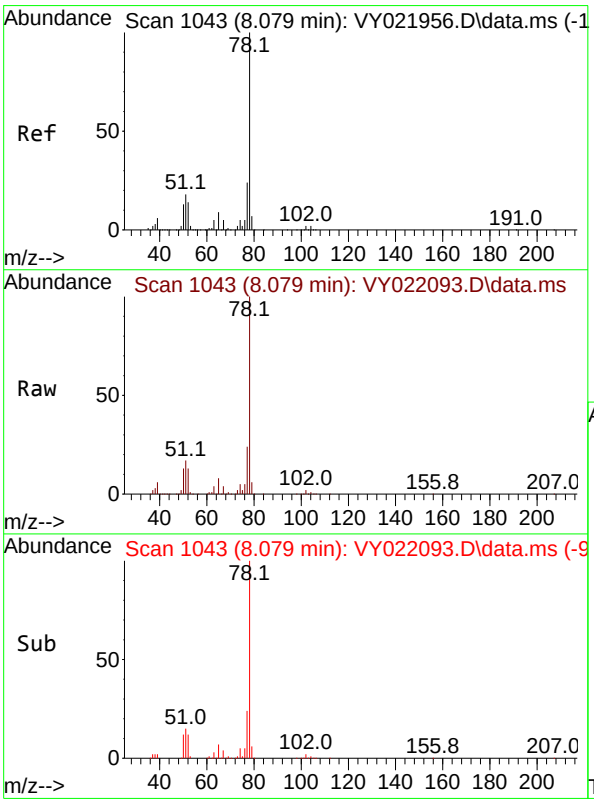
#39
Methylcyclohexane
Concen: 48.353 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 234423

Ion	Ratio	Lower	Upper
83	100		
55	67.2	50.6	75.8
98	50.8	38.6	58.0

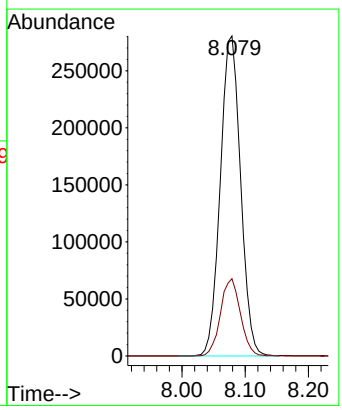


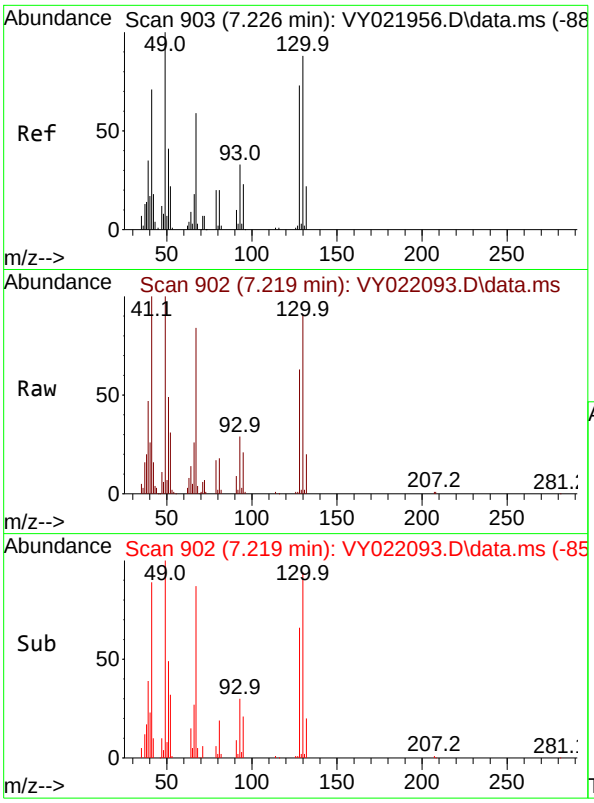


#40
Benzene
Concen: 51.816 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 78 Resp: 624003

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9



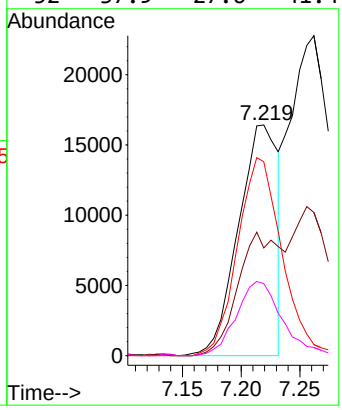


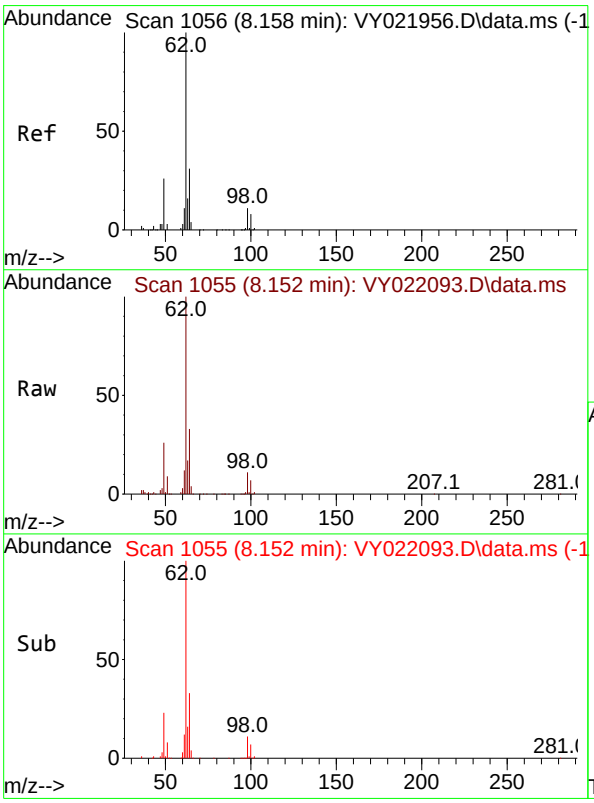
#41
Methacrylonitrile
Concen: 50.746 ug/l
RT: 7.219 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 38382

Ion	Ratio	Lower	Upper
41	100		
39	59.9	36.6	55.0#
67	97.4	72.2	108.4
52	37.9	27.6	41.4

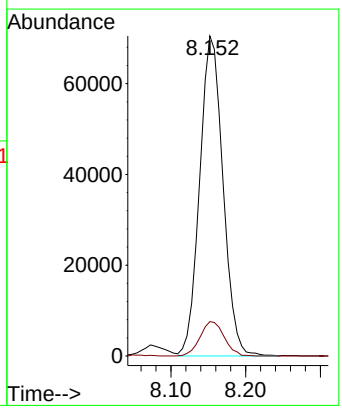


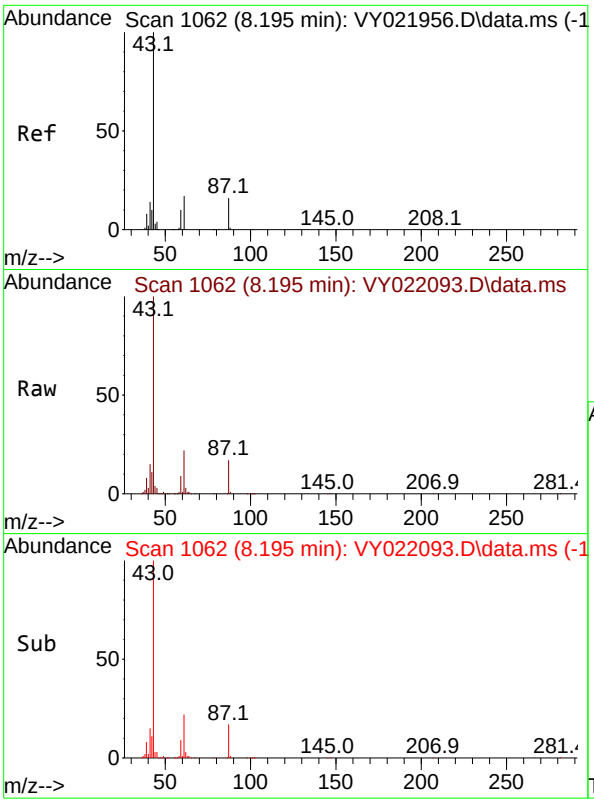


#42
1,2-Dichloroethane
Concen: 51.202 ug/l
RT: 8.152 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 62 Resp: 152663

Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0



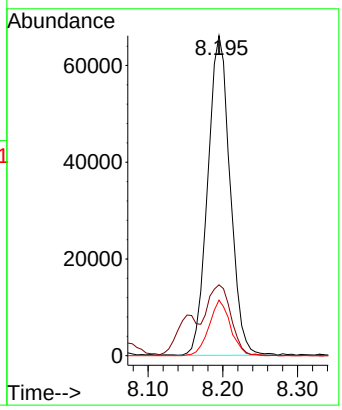


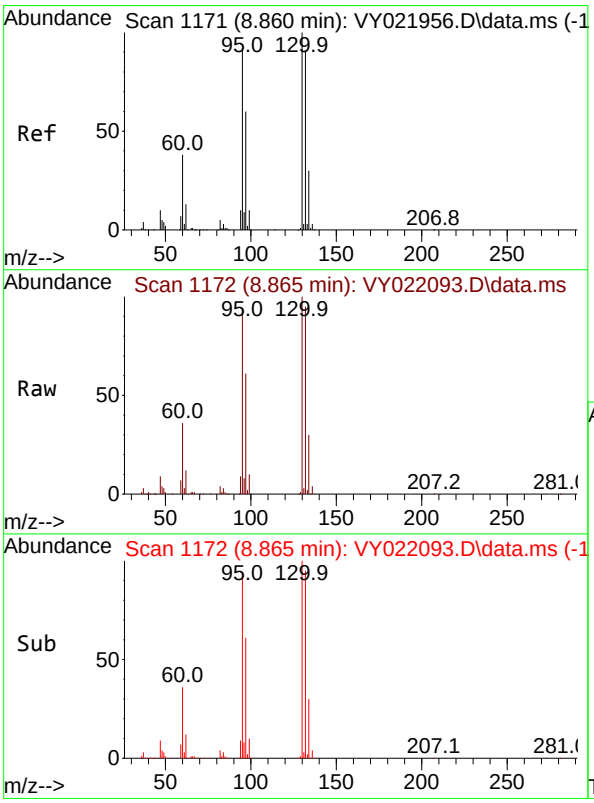
#43
Isopropyl Acetate
Concen: 51.574 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 137038

Ion	Ratio	Lower	Upper
43	100		
61	23.4	18.9	28.3
87	16.7	13.7	20.5

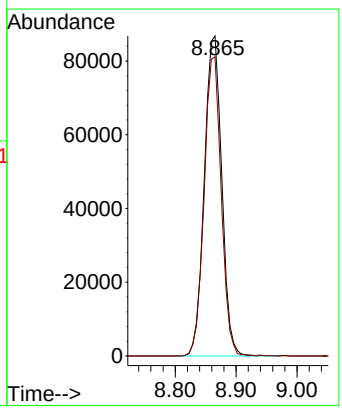


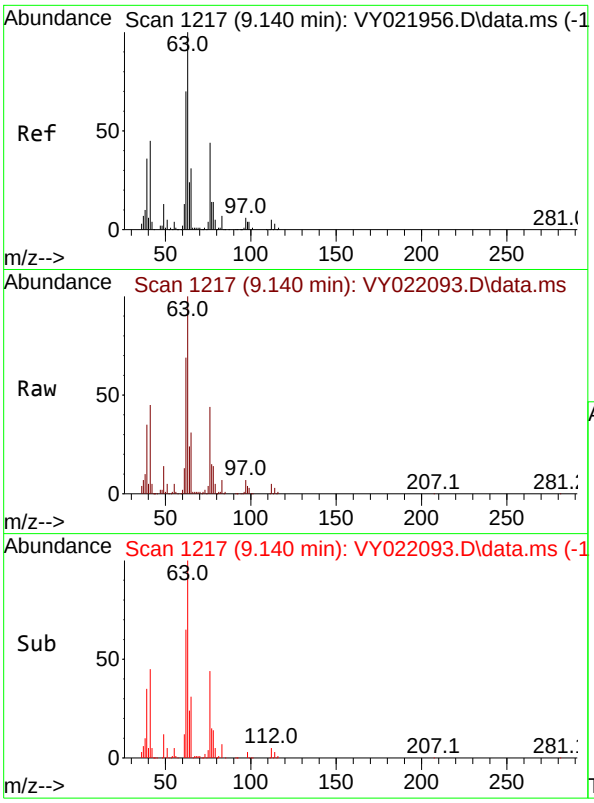


#44
Trichloroethene
Concen: 51.686 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:130 Resp: 172407

Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	183.2



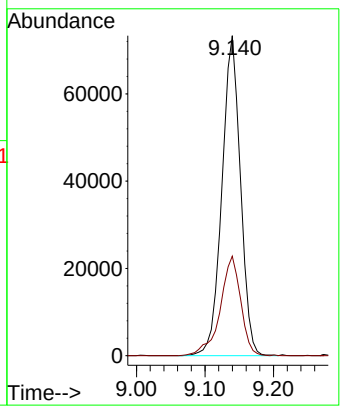


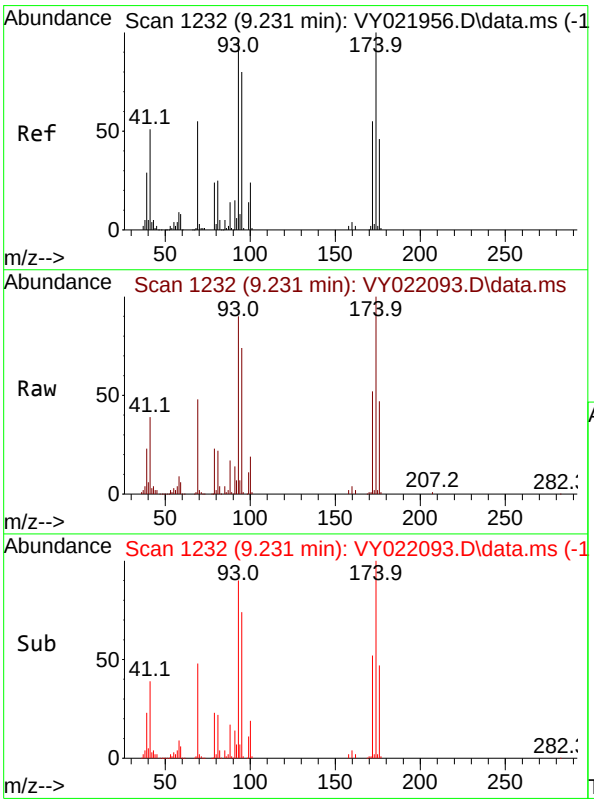
#45
1,2-Dichloropropane
Concen: 51.567 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 137332

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.2	37.8

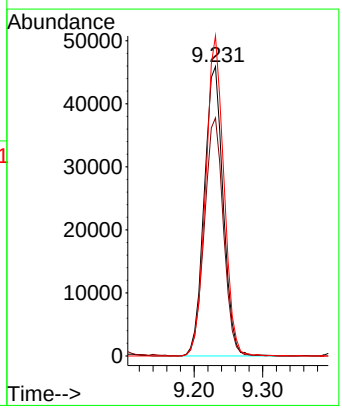


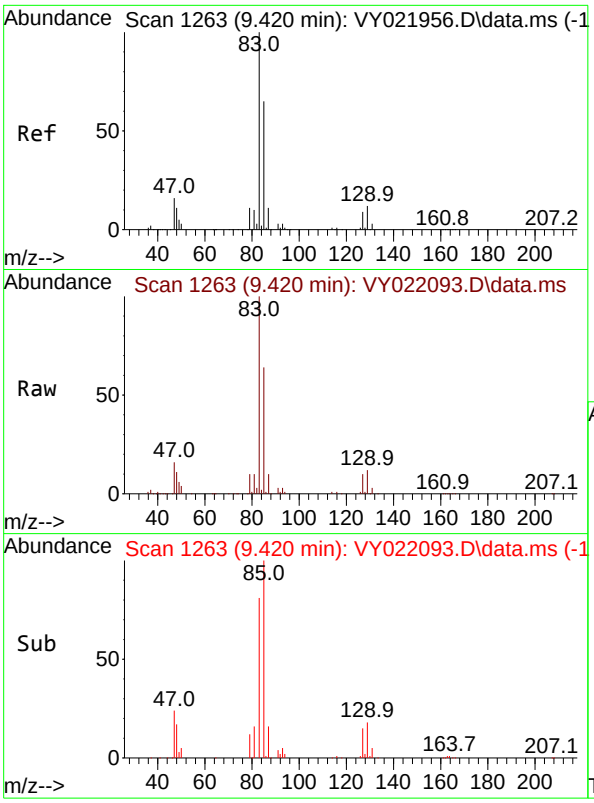


#46
Dibromomethane
Concen: 52.864 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 93 Resp: 88131

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.7	100.1
174	106.6	84.6	127.0



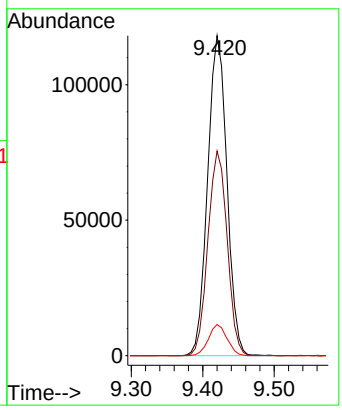


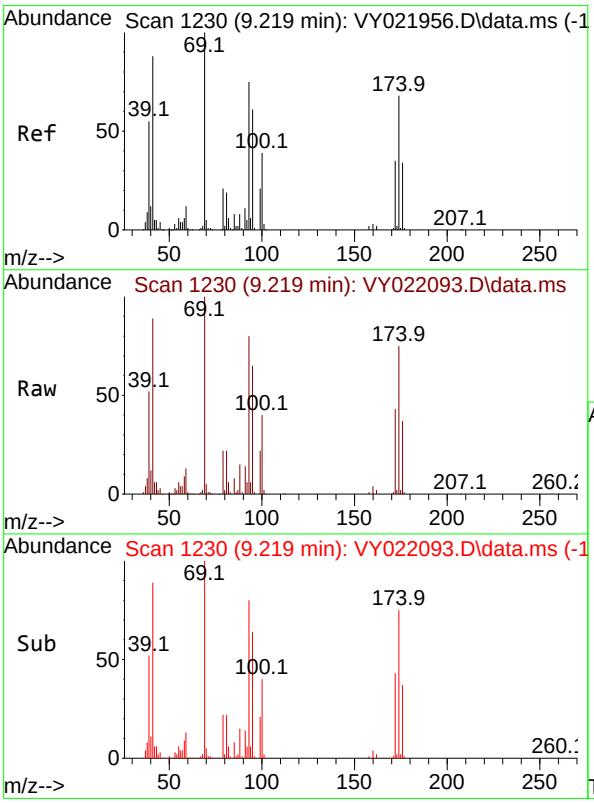
#47
Bromodichloromethane
Concen: 53.118 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 221221

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8
127	9.7	7.0	10.6

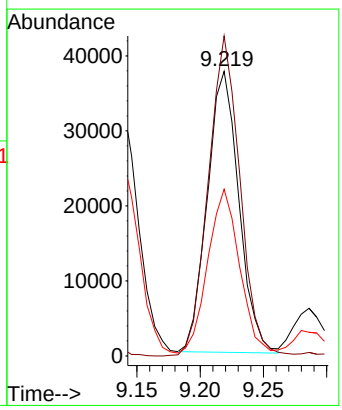


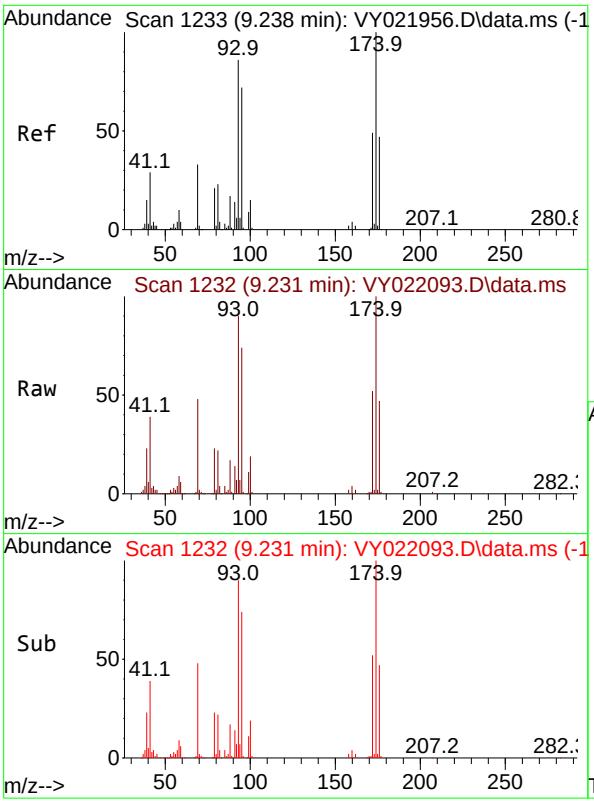


#48
Methyl methacrylate
Concen: 52.979 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 41 Resp: 65076

Ion	Ratio	Lower	Upper
41	100		
69	113.6	85.5	128.3
39	60.4	46.2	69.4



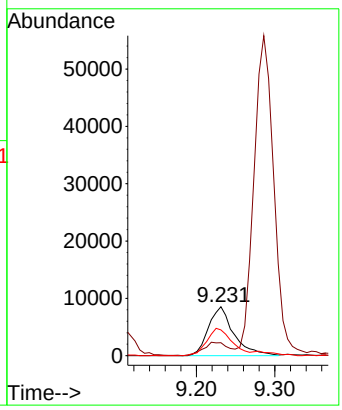


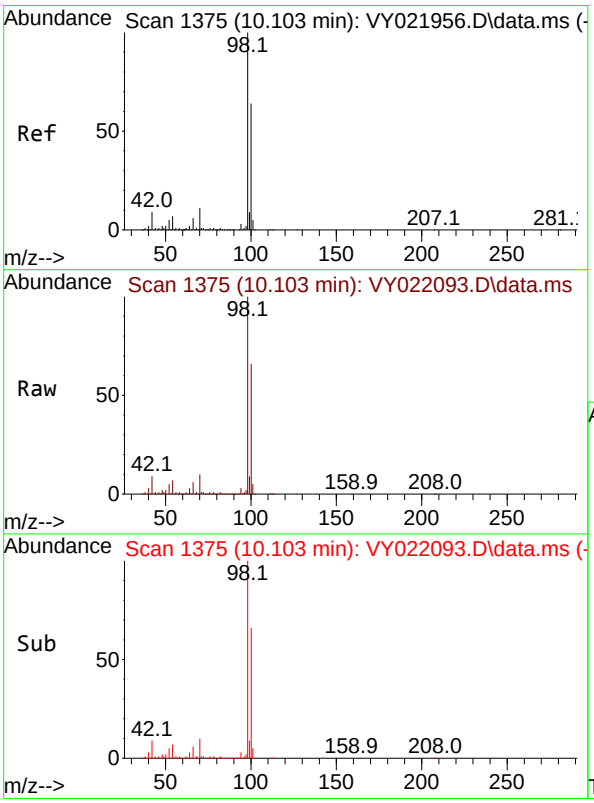
#49
1,4-Dioxane
Concen: 1083.807 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 19258

Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.3	31.9
58	54.8	50.5	75.7

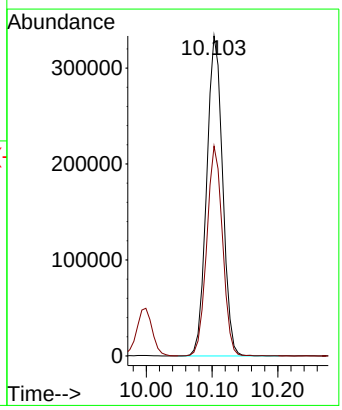


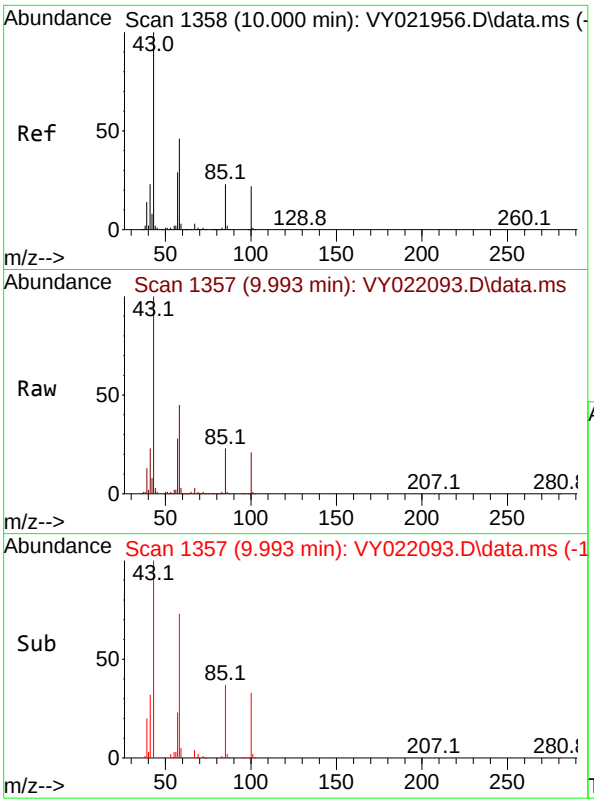


#50
Toluene-d8
Concen: 51.963 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 98 Resp: 561844

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4



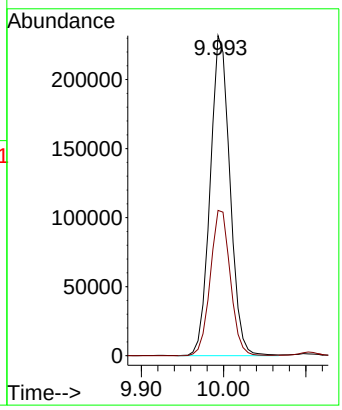


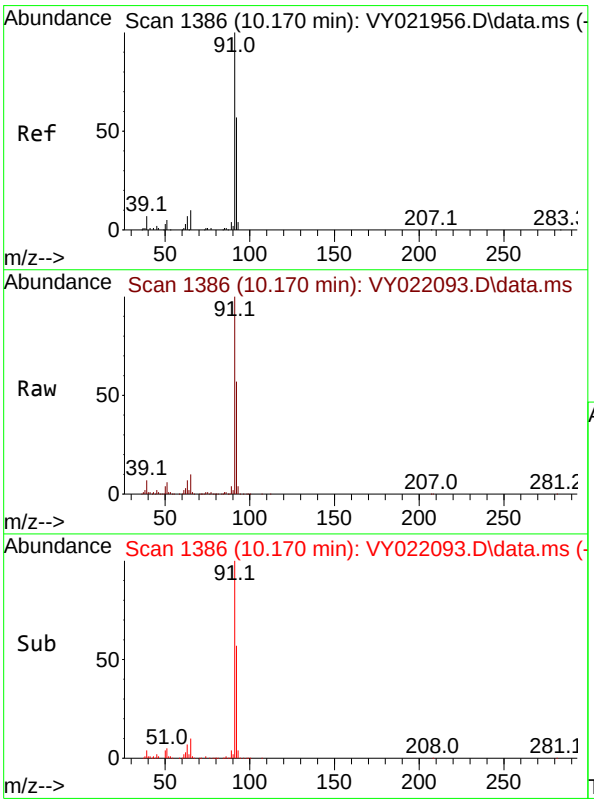
#51
4-Methyl-2-Pentanone
Concen: 277.552 ug/l
RT: 9.993 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 386602

Ion	Ratio	Lower	Upper
43	100		
58	45.9	36.6	55.0

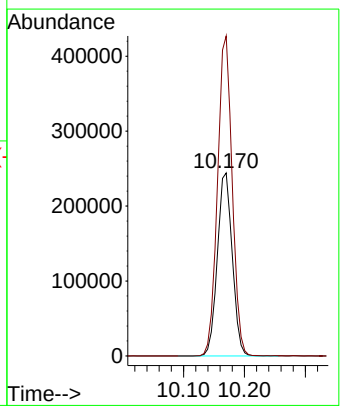


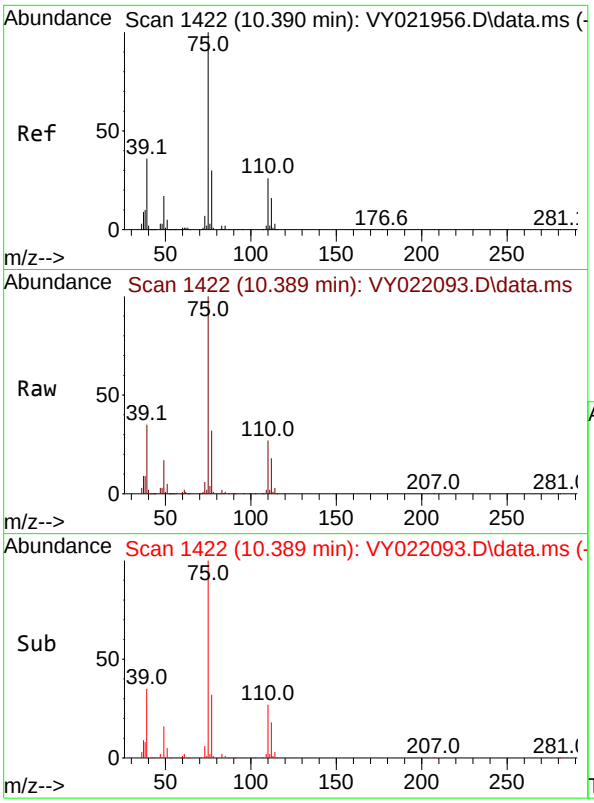


#52
Toluene
Concen: 53.105 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 92 Resp: 413973

Ion	Ratio	Lower	Upper
92	100		
91	172.0	138.6	207.8



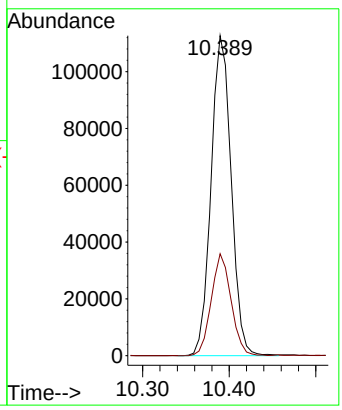


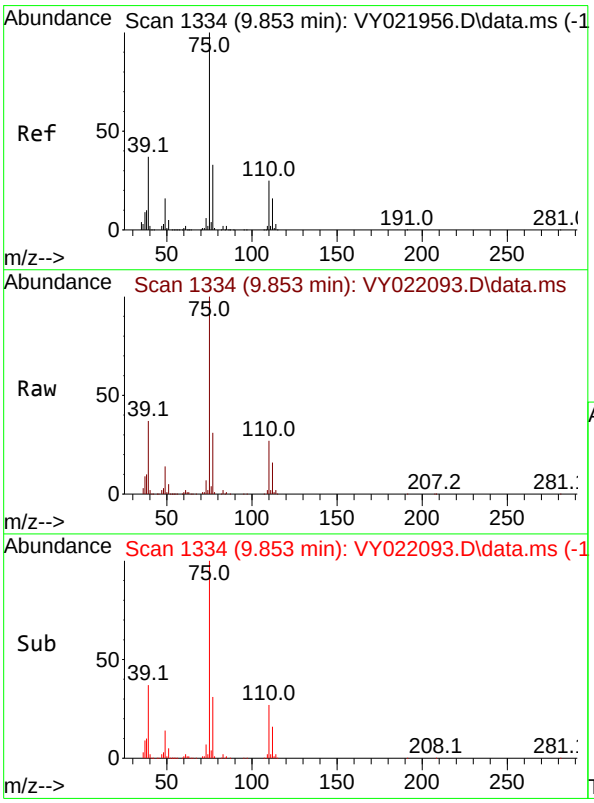
#53
t-1,3-Dichloropropene
Concen: 50.926 ug/l
RT: 10.389 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 181922

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.0	36.0

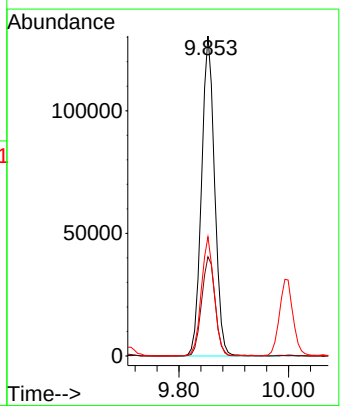


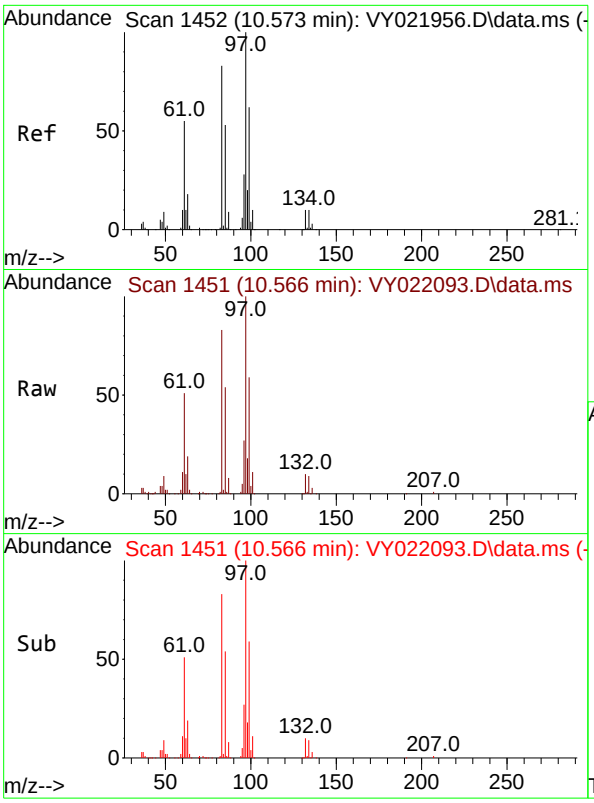


#54
cis-1,3-Dichloropropene
Concen: 50.866 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 215998

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.6	40.0
39	37.2	29.6	44.4



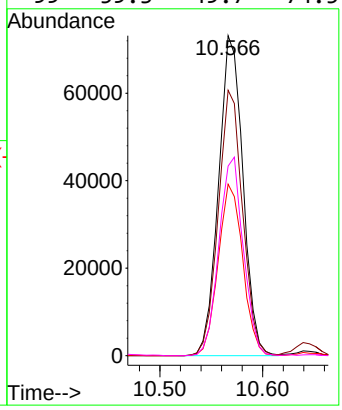


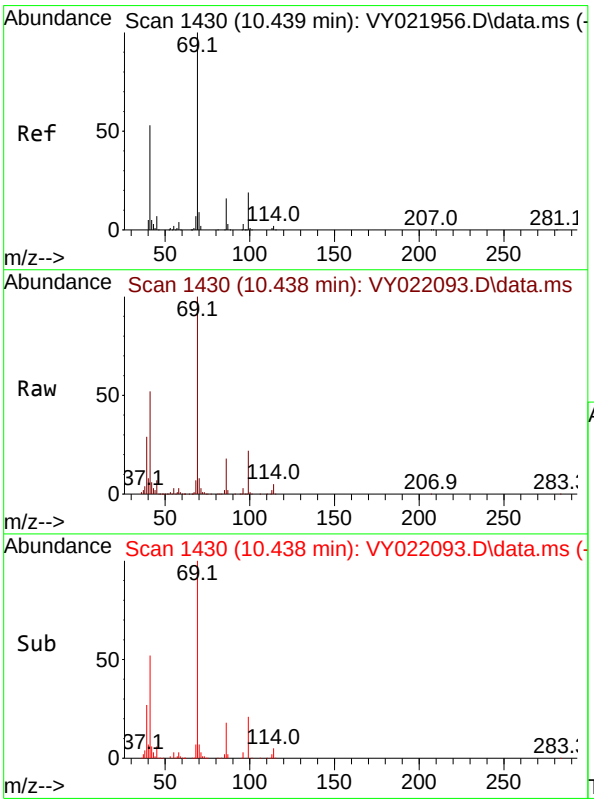
#55
1,1,2-Trichloroethane
Concen: 53.971 ug/l
RT: 10.566 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 120188

Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.7	100.1
85	53.6	42.6	64.0
99	59.3	49.7	74.5

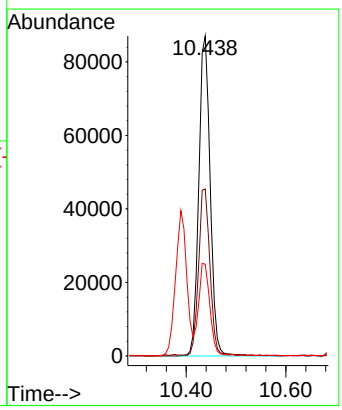


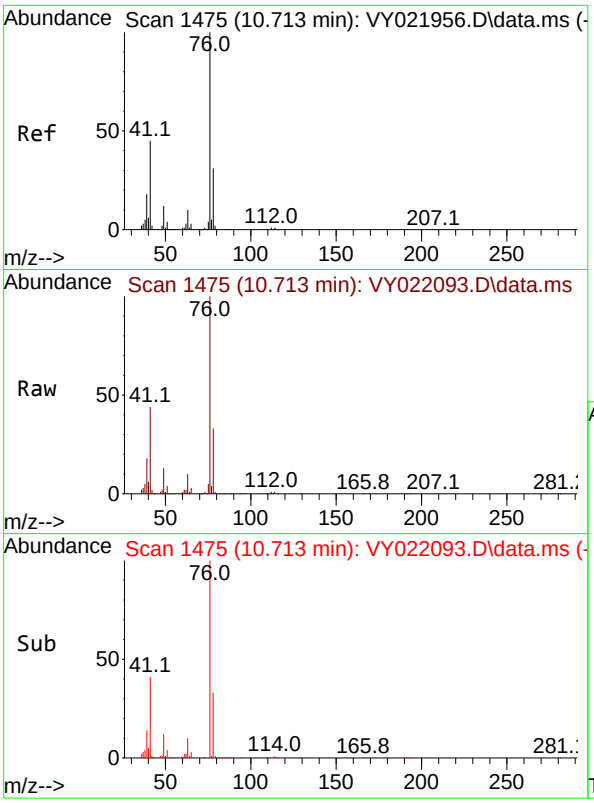


#56
Ethyl methacrylate
Concen: 54.188 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 69 Resp: 137995

Ion	Ratio	Lower	Upper
69	100		
41	51.5	40.7	61.1
39	28.0	23.3	34.9



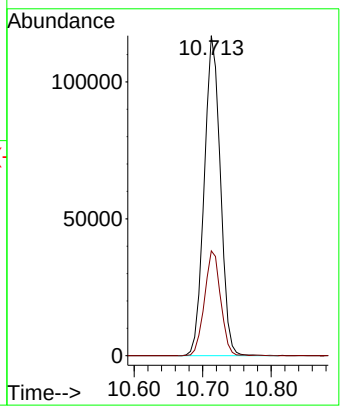


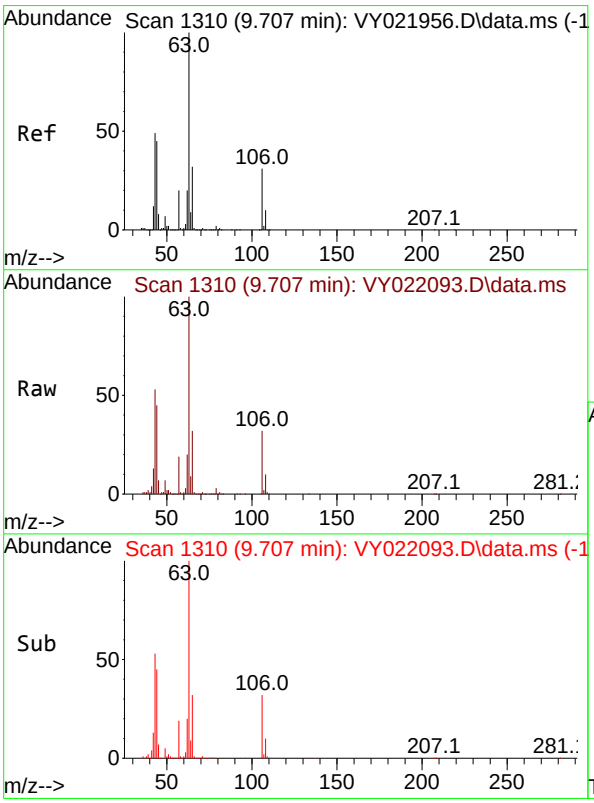
#57
1,3-Dichloropropane
Concen: 53.670 ug/l
RT: 10.713 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 191602

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8

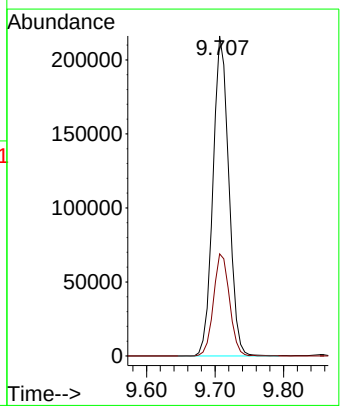


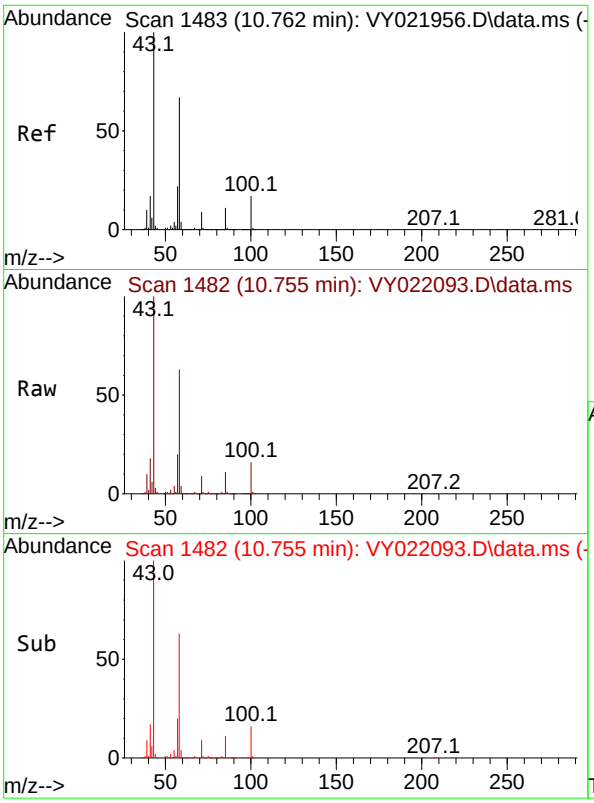


#58
2-Chloroethyl Vinyl ether
Concen: 278.156 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 63 Resp: 346335

Ion	Ratio	Lower	Upper
63	100		
106	32.2	25.3	37.9



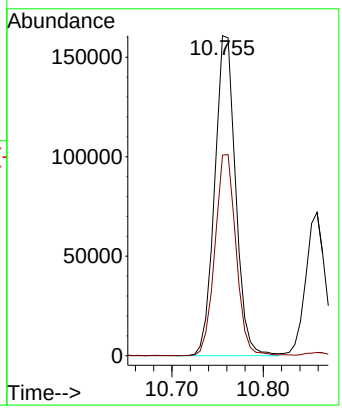


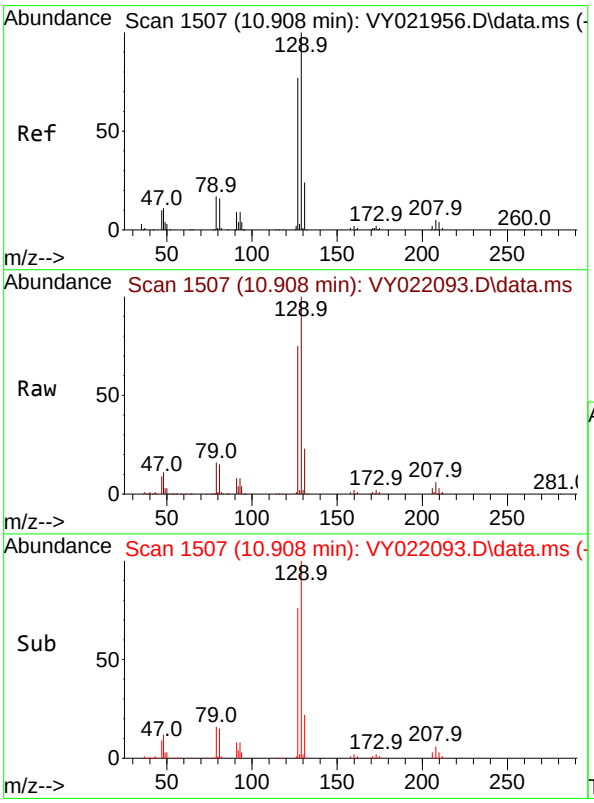
#59
2-Hexanone
Concen: 278.656 ug/l
RT: 10.755 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 256011

Ion	Ratio	Lower	Upper
43	100		
58	63.4	32.0	96.0

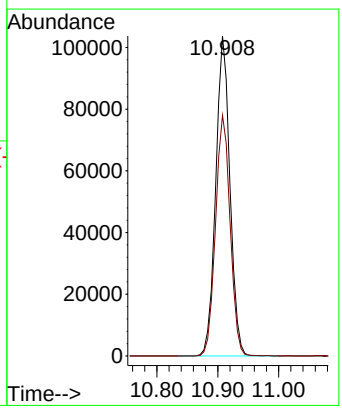


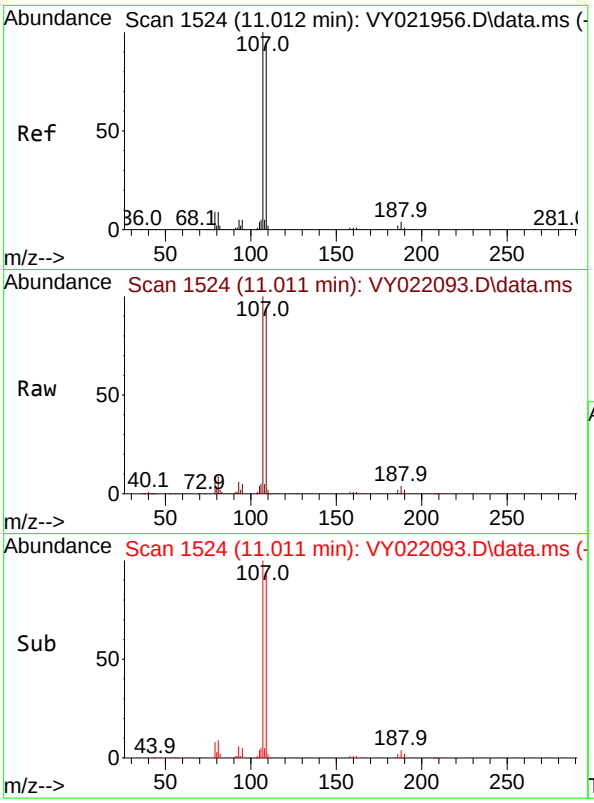


#60
Dibromochloromethane
Concen: 54.270 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:129 Resp: 167319

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.3



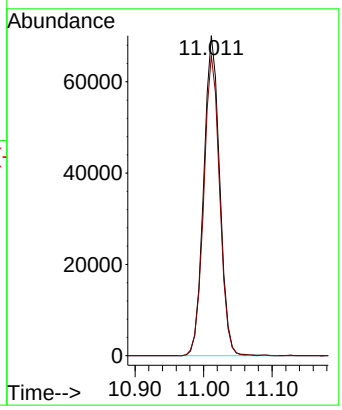


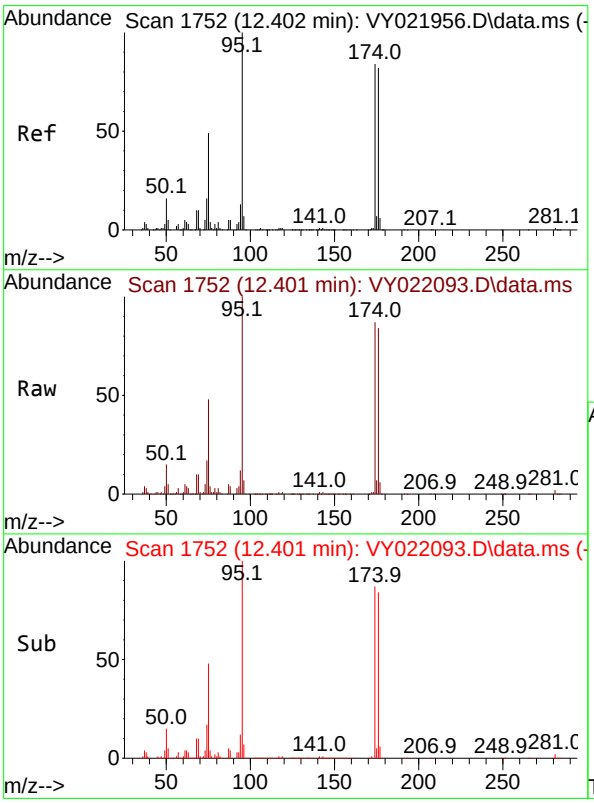
#61
1,2-Dibromoethane
Concen: 53.986 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 113497

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.8	113.8

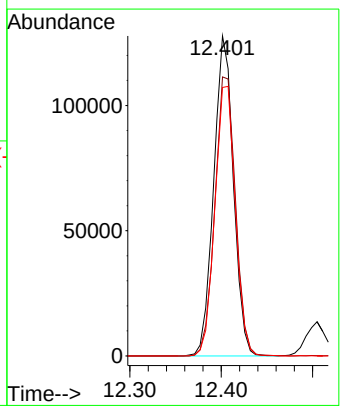


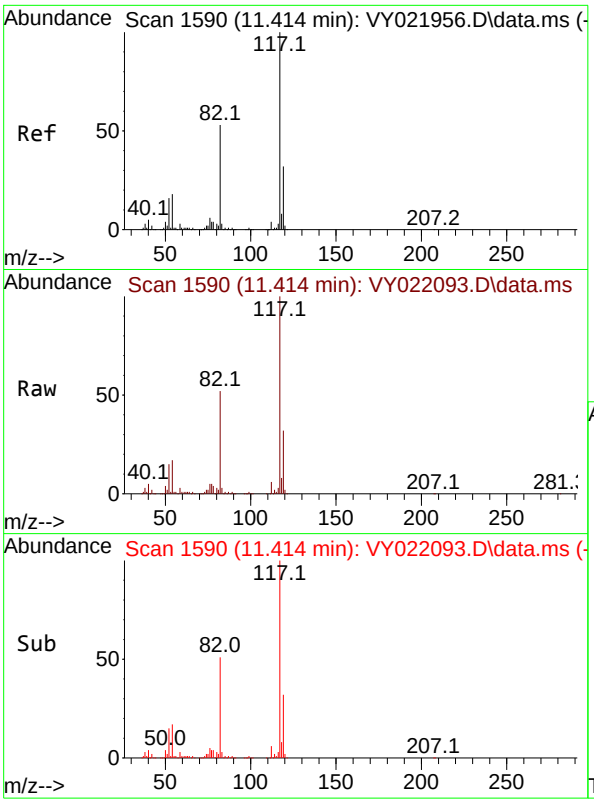


#62
4-Bromofluorobenzene
Concen: 52.603 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 95 Resp: 191468

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.0
176	87.7	0.0	171.8



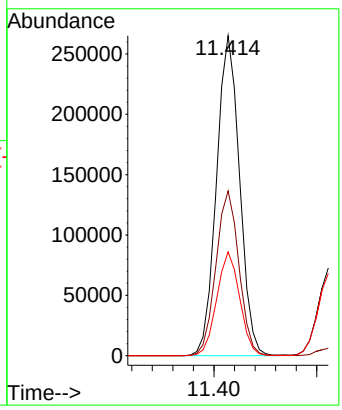


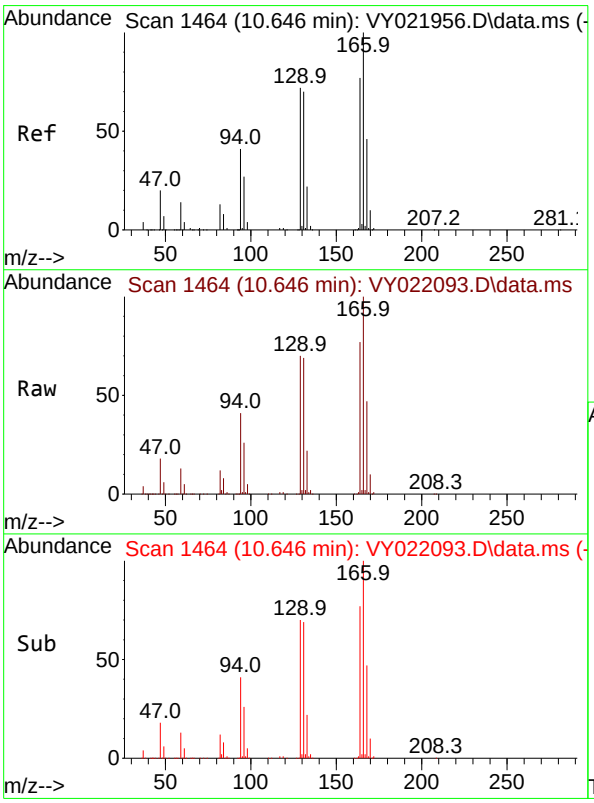
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 413341

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.1	63.1
119	32.5	25.7	38.5

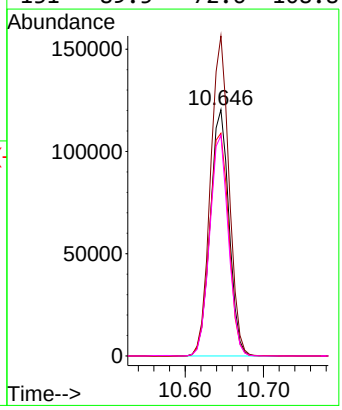


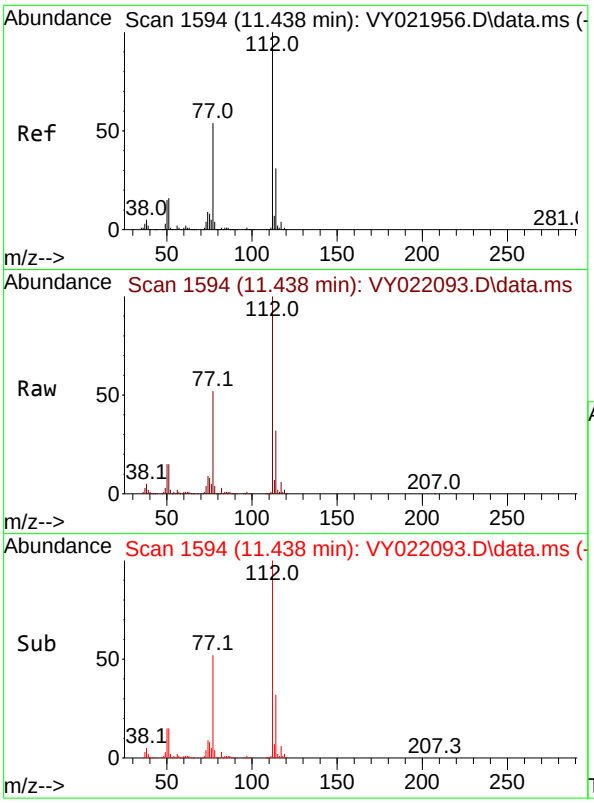


#64
Tetrachloroethene
Concen: 51.358 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:164 Resp: 200262

Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.6	155.4
129	90.5	74.2	111.4
131	89.5	72.6	108.8



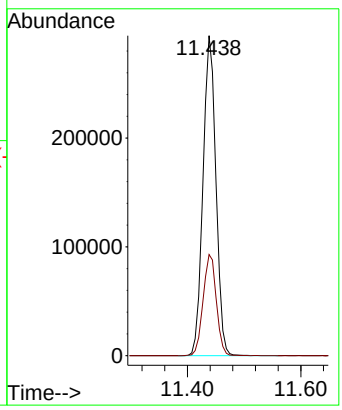


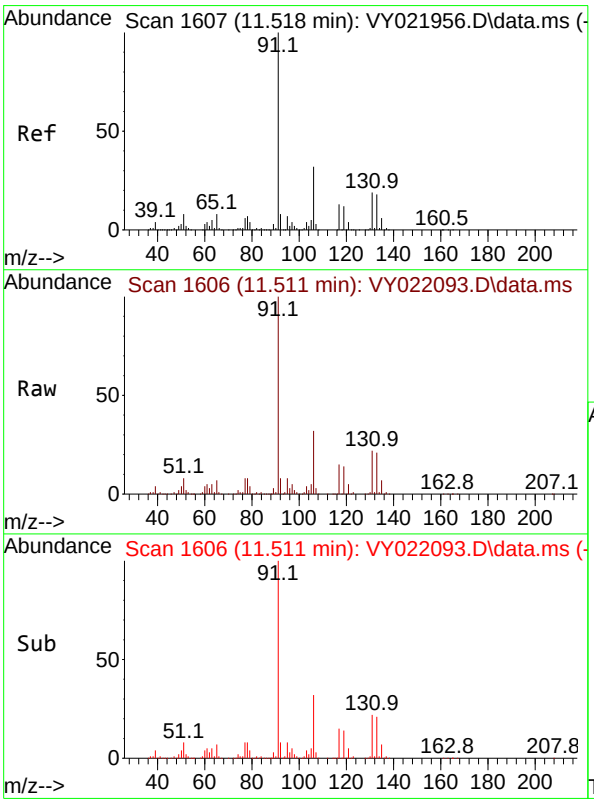
#65
Chlorobenzene
Concen: 50.141 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 463472

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.4

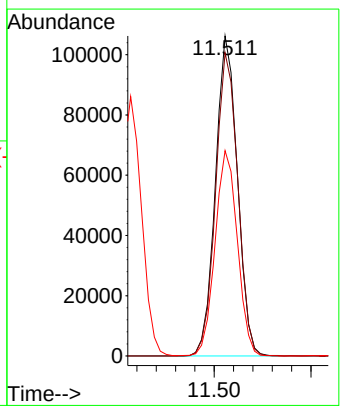


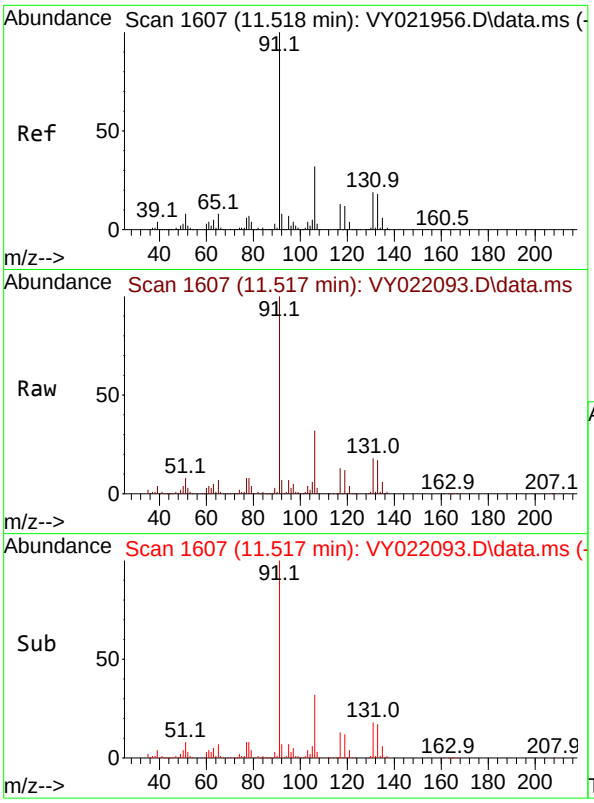


#66
1,1,1,2-Tetrachloroethane
Concen: 51.362 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:131 Resp: 167141

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.8	143.3
119	65.3	32.4	97.0



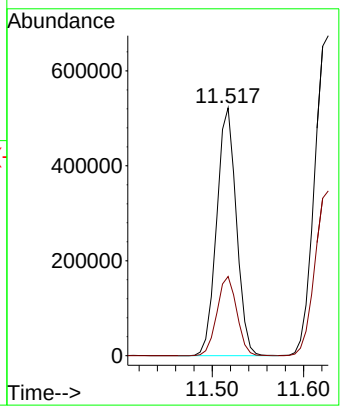


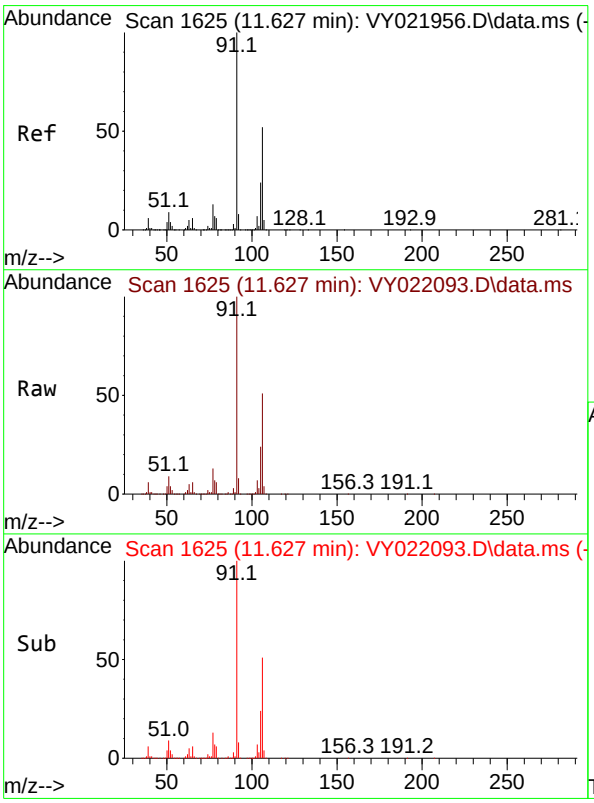
#67
Ethyl Benzene
Concen: 51.700 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 781741

Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.9	38.9

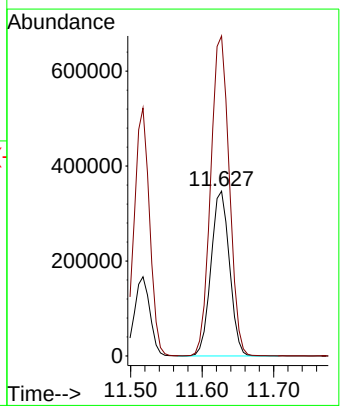


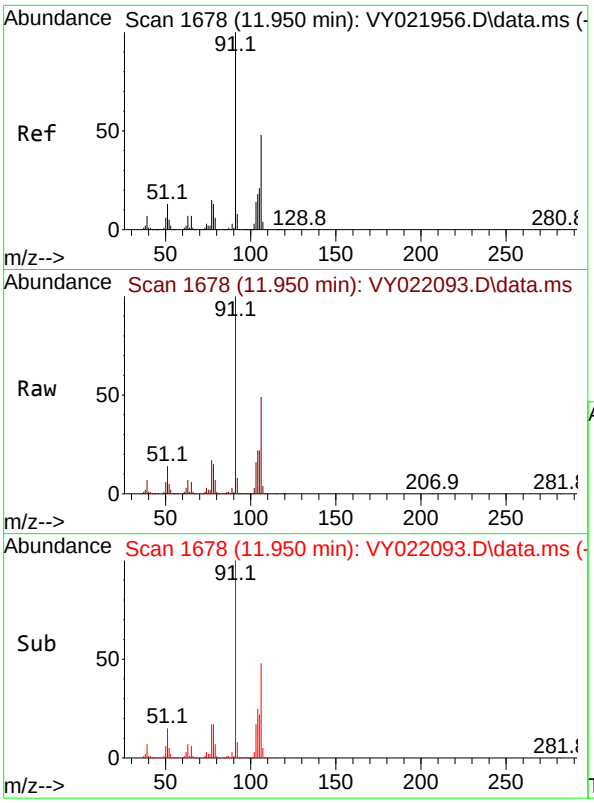


#68
m/p-Xylenes
Concen: 103.402 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:106 Resp: 622156

Ion	Ratio	Lower	Upper
106	100		
91	195.5	156.2	234.2



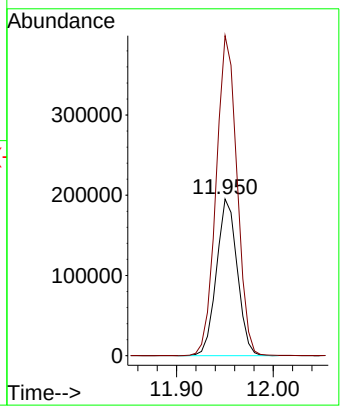


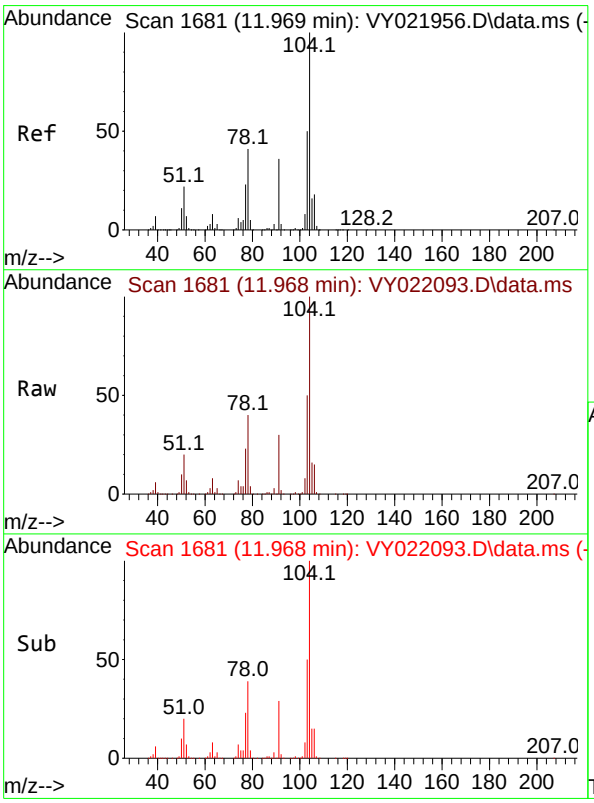
#69
o-Xylene
Concen: 52.505 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 291176

Ion	Ratio	Lower	Upper
106	100		
91	205.3	103.0	308.9

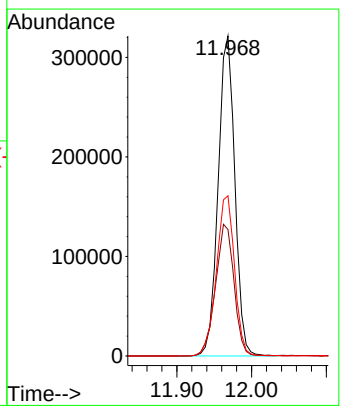


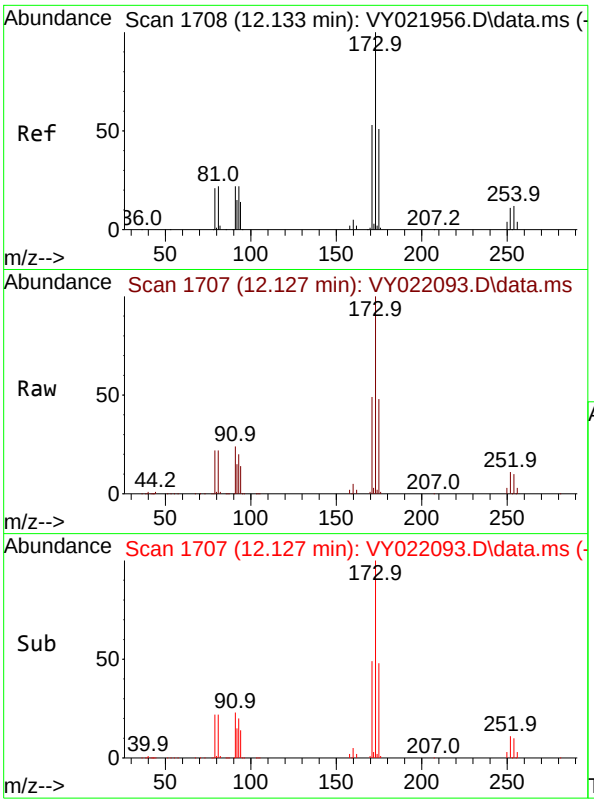


#70
Styrene
Concen: 53.759 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:104 Resp: 500569

Ion	Ratio	Lower	Upper
104	100		
78	45.6	36.6	54.8
103	54.5	43.8	65.8



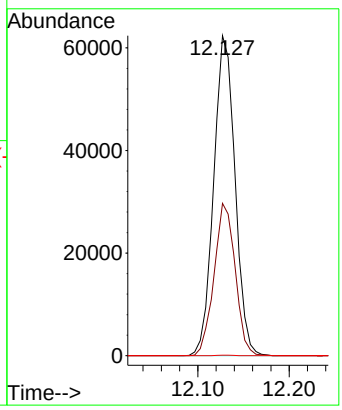


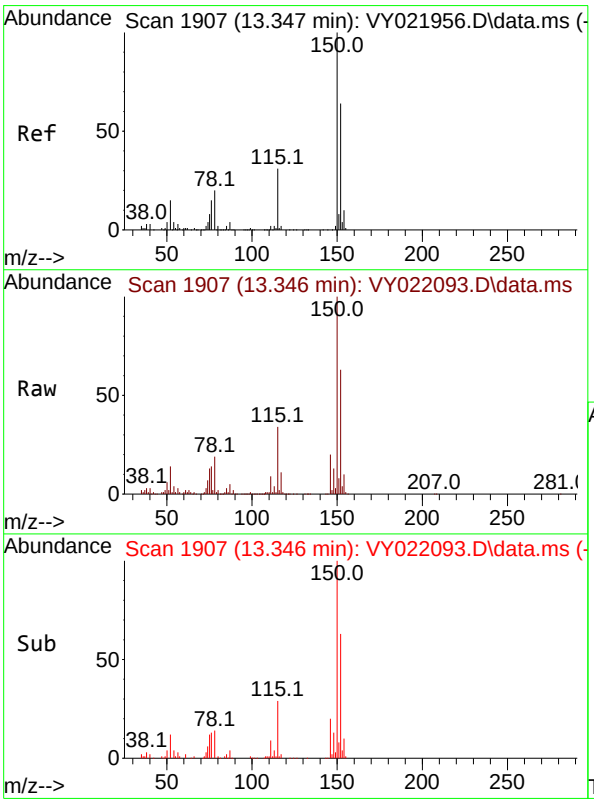
#71
Bromoform
Concen: 53.441 ug/l
RT: 12.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 101109

Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.3	72.8
254	0.1	0.0	0.0#

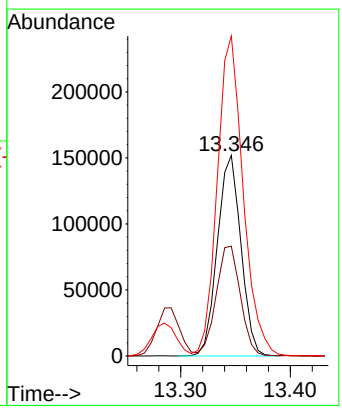


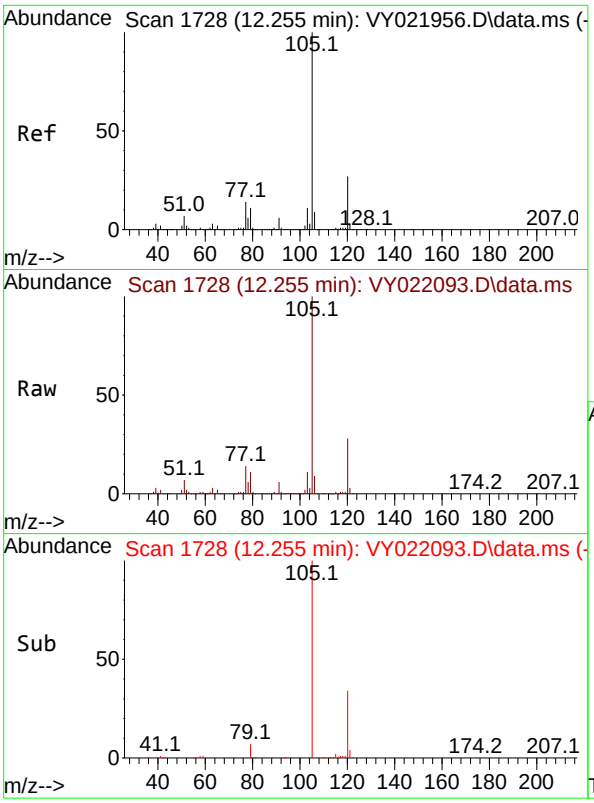


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:152 Resp: 226802

Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.0	84.0
150	175.4	0.0	345.6



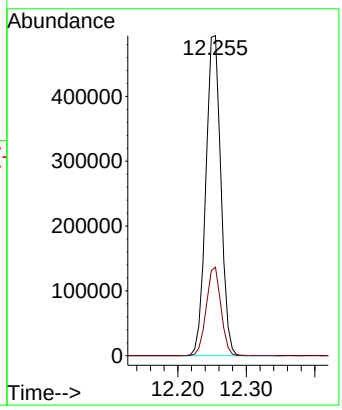


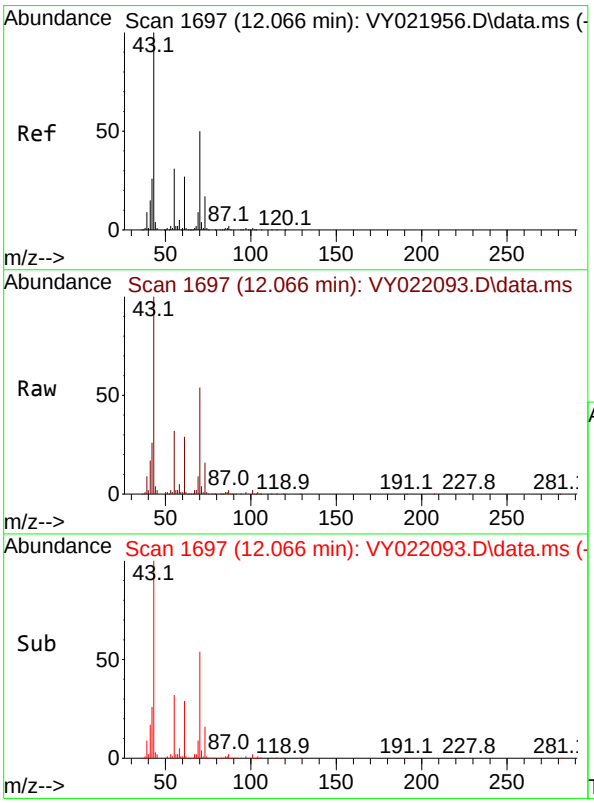
#73
Isopropylbenzene
Concen: 49.631 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 752047

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.5

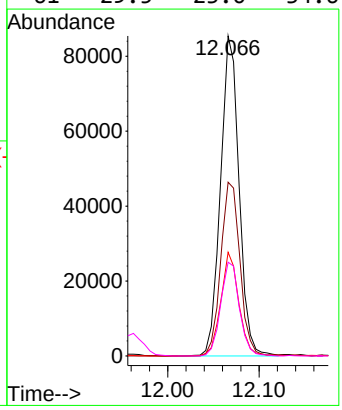


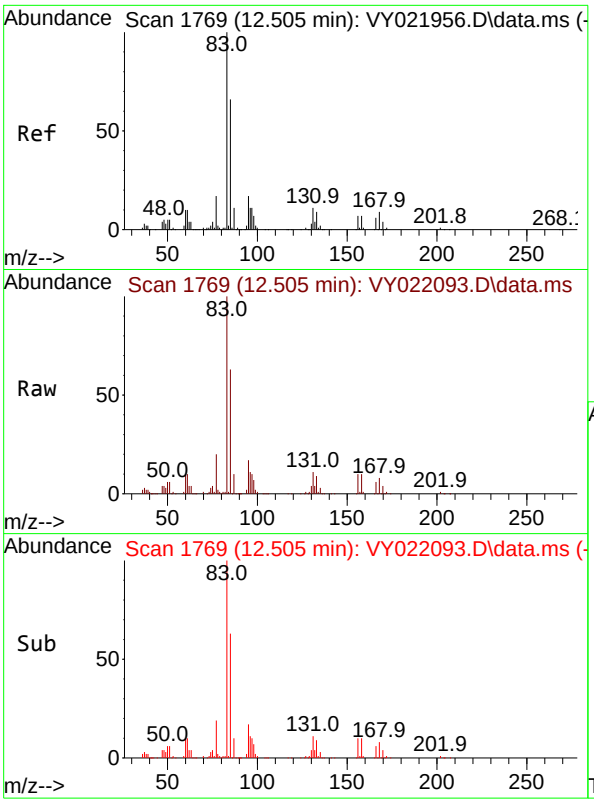


#74
N-amyl acetate
Concen: 46.307 ug/l
RT: 12.066 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 43 Resp: 120555

Ion	Ratio	Lower	Upper
43	100		
70	56.5	43.2	64.8
55	31.7	25.7	38.5
61	29.5	23.0	34.6



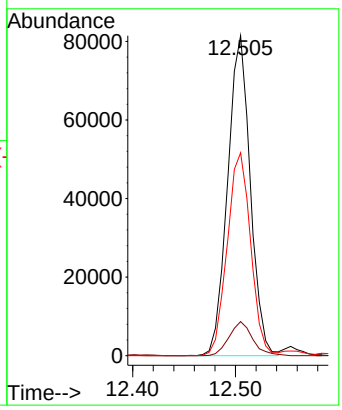


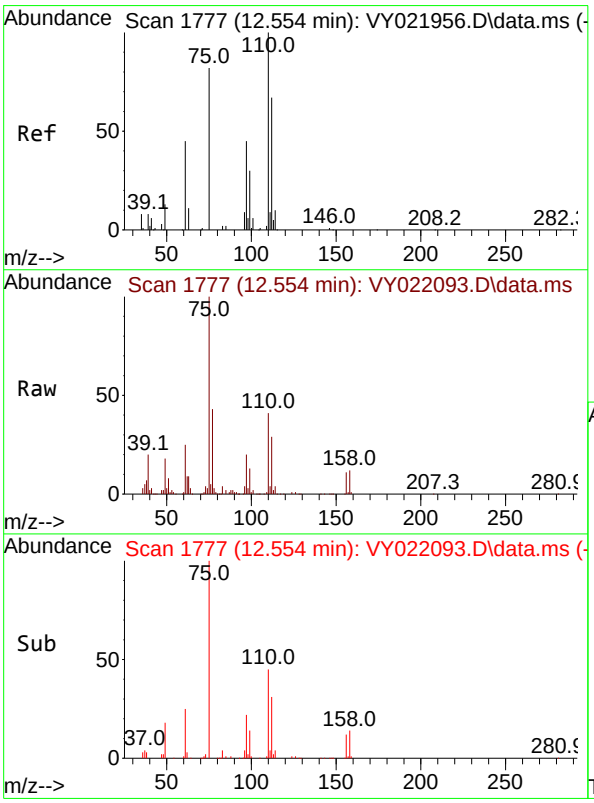
#75
1,1,2,2-Tetrachloroethane
Concen: 48.903 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 124934

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	65.5	32.3	96.8

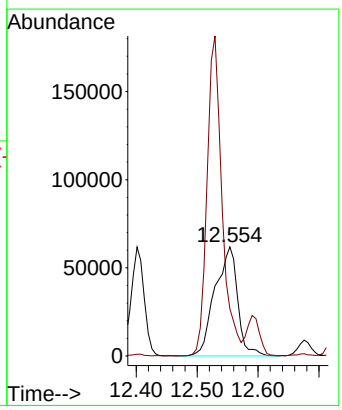


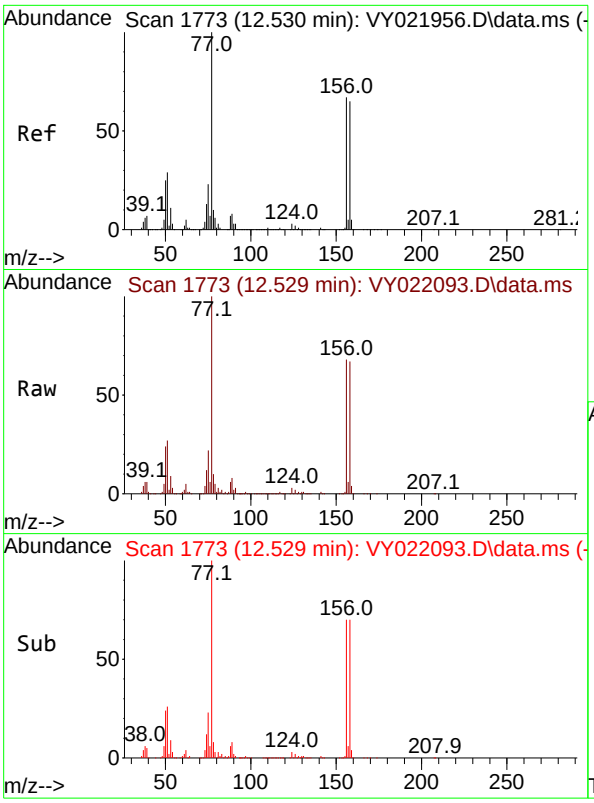


#76
1,2,3-Trichloropropane
Concen: 82.363 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 160005

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



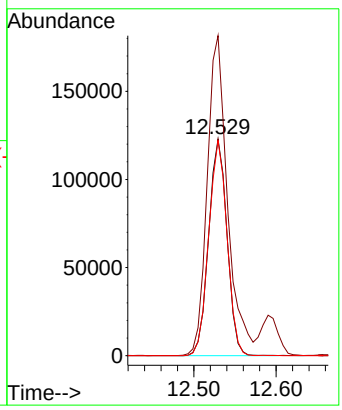


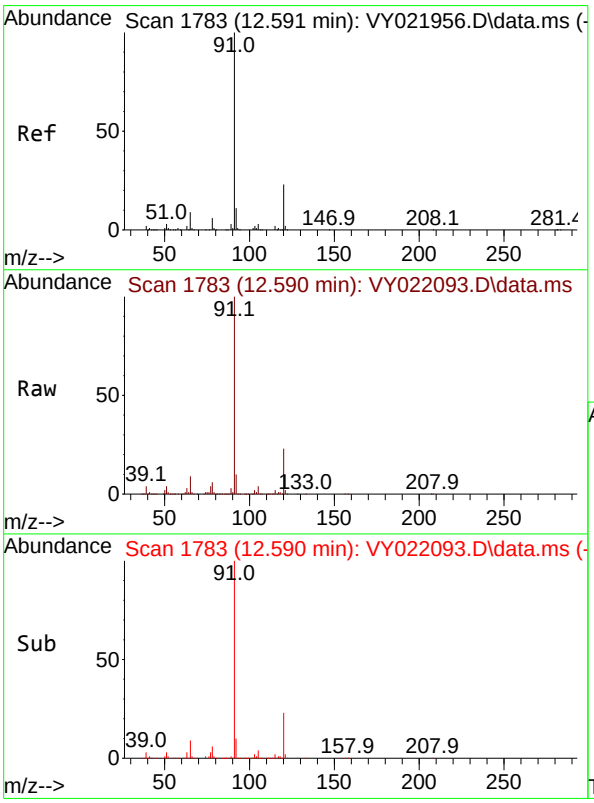
#77
Bromobenzene
Concen: 49.825 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 190775

Ion	Ratio	Lower	Upper
156	100		
77	162.9	82.7	248.1
158	99.3	48.1	144.4

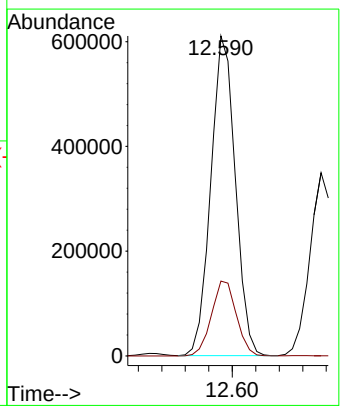


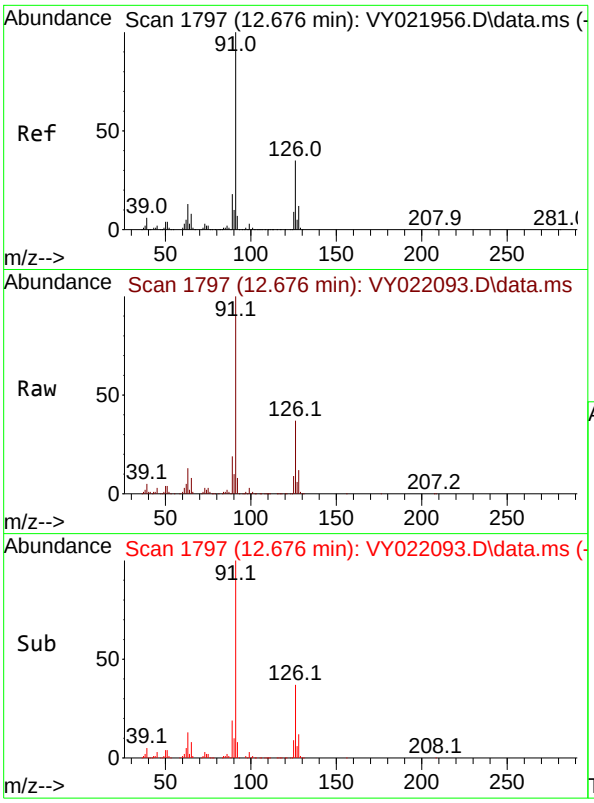


#78
n-propylbenzene
Concen: 48.936 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 91 Resp: 883060

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5



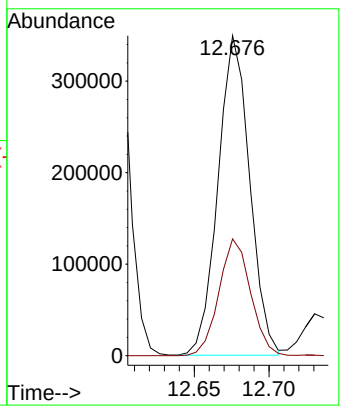


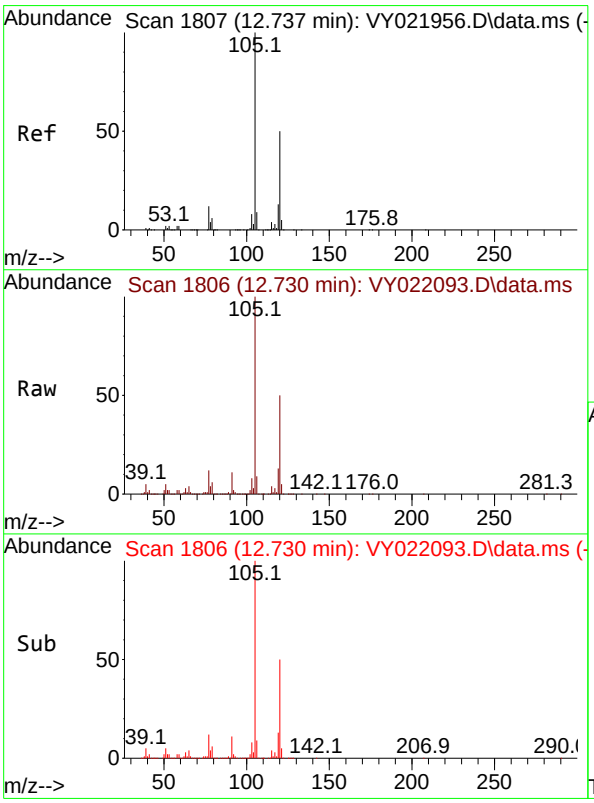
#79
2-Chlorotoluene
Concen: 48.949 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 513695

Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8

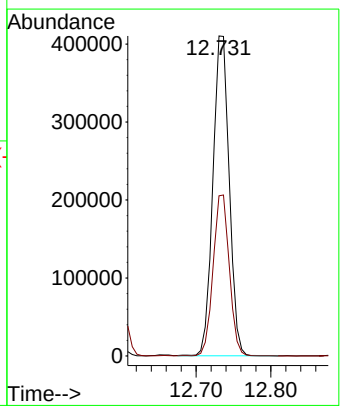


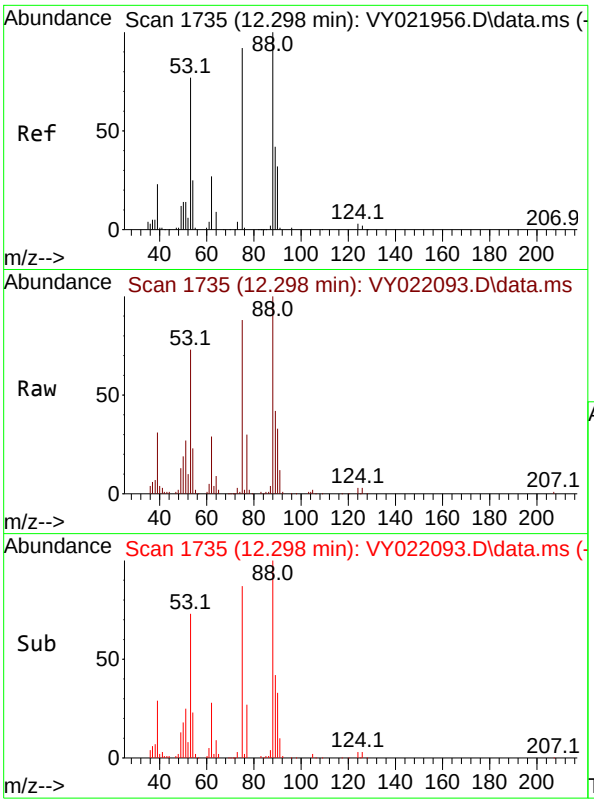


#80
1,3,5-Trimethylbenzene
Concen: 49.993 ug/l
RT: 12.730 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:105 Resp: 624160

Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.0	75.0



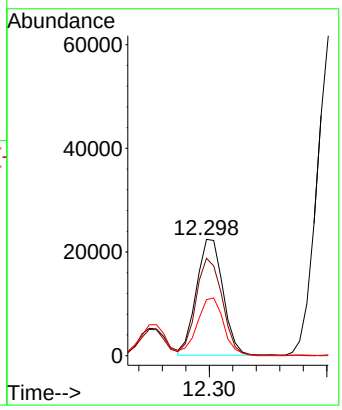


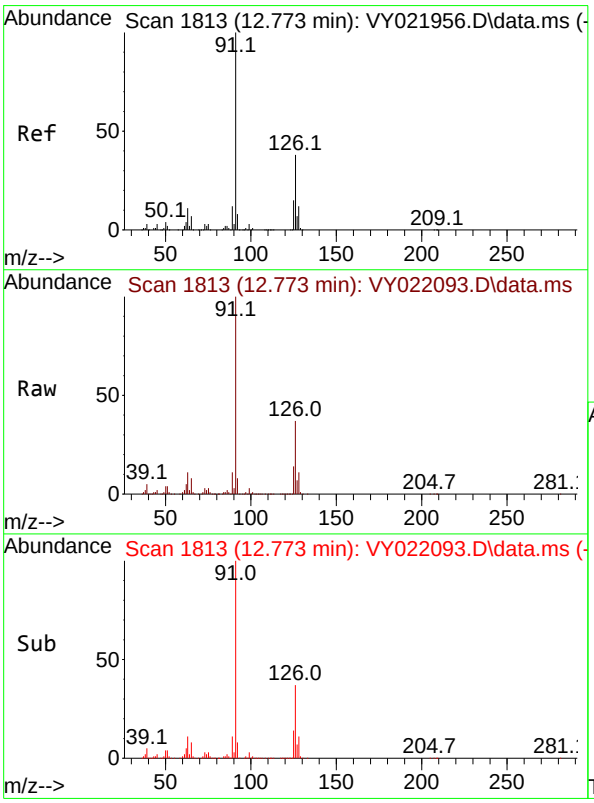
#81
trans-1,4-Dichloro-2-butene
Concen: 43.692 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 35247

Ion	Ratio	Lower	Upper
75	100		
53	83.7	66.0	99.0
89	49.2	37.2	55.8

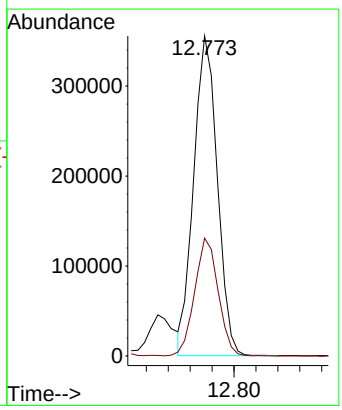


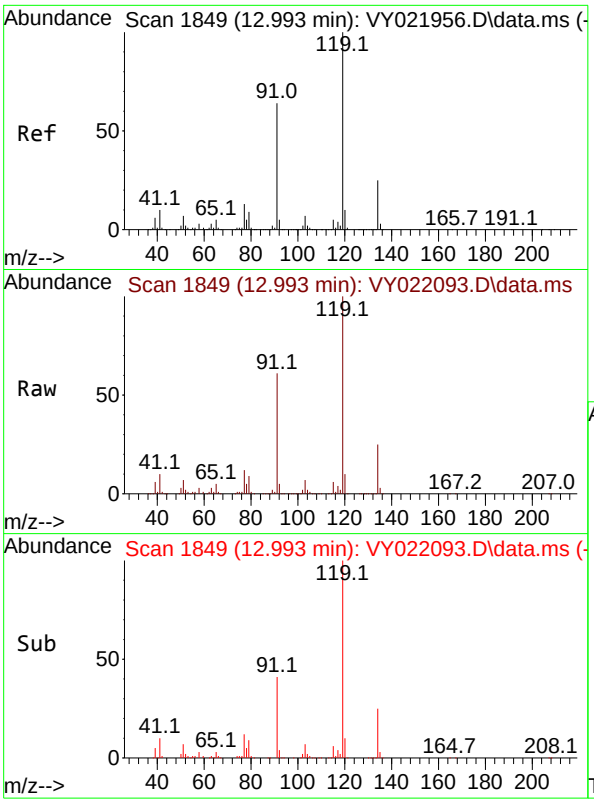


#82
4-Chlorotoluene
Concen: 48.749 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 91 Resp: 531810

Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.9	53.8



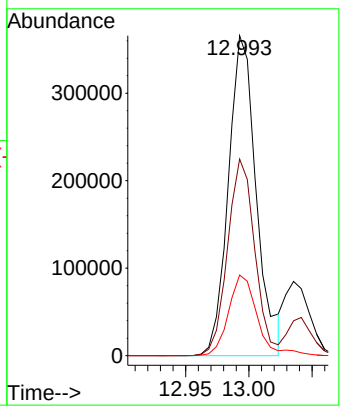


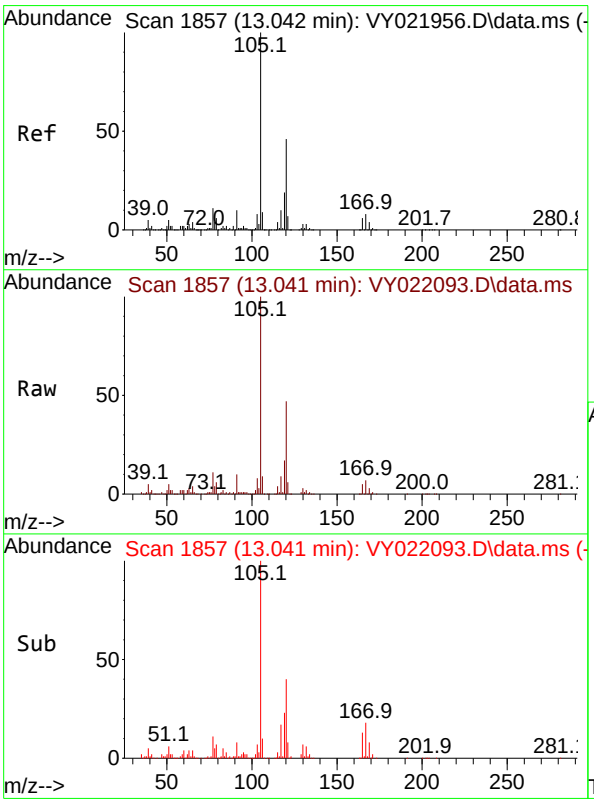
#83
tert-Butylbenzene
Concen: 50.206 ug/l
RT: 12.993 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 562168

Ion	Ratio	Lower	Upper
119	100		
91	59.9	30.3	90.9
134	25.9	12.9	38.7

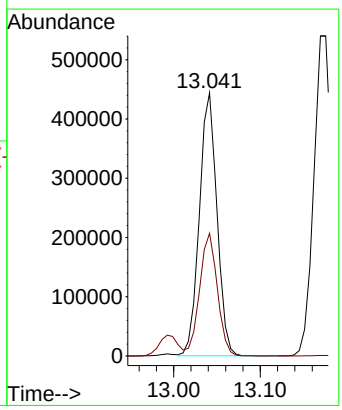


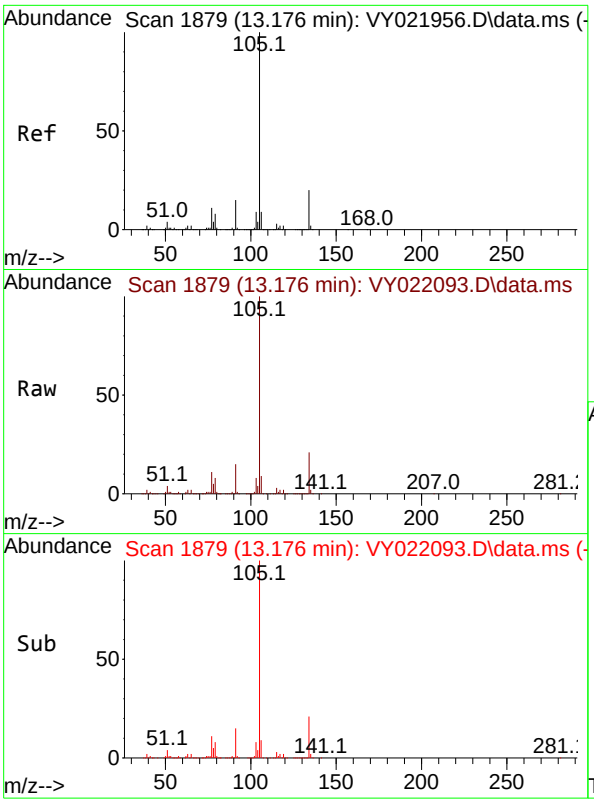


#84
1,2,4-Trimethylbenzene
Concen: 50.205 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:105 Resp: 626953

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.0



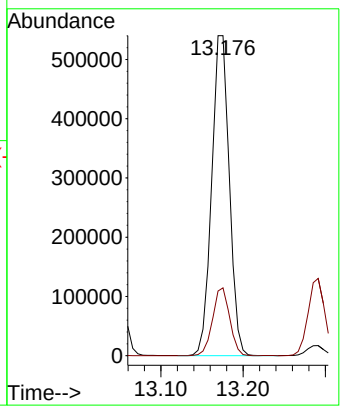


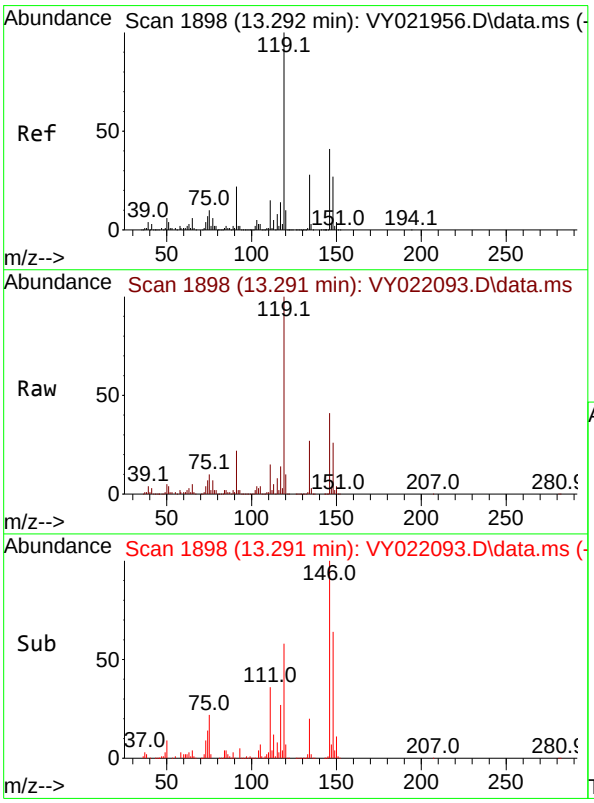
#85
sec-Butylbenzene
Concen: 49.077 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 804127

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

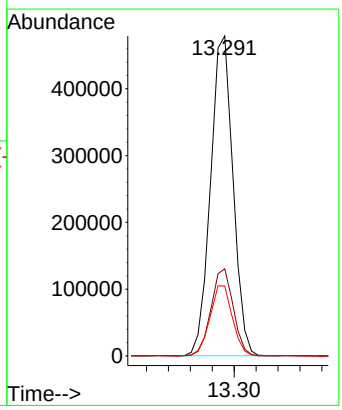


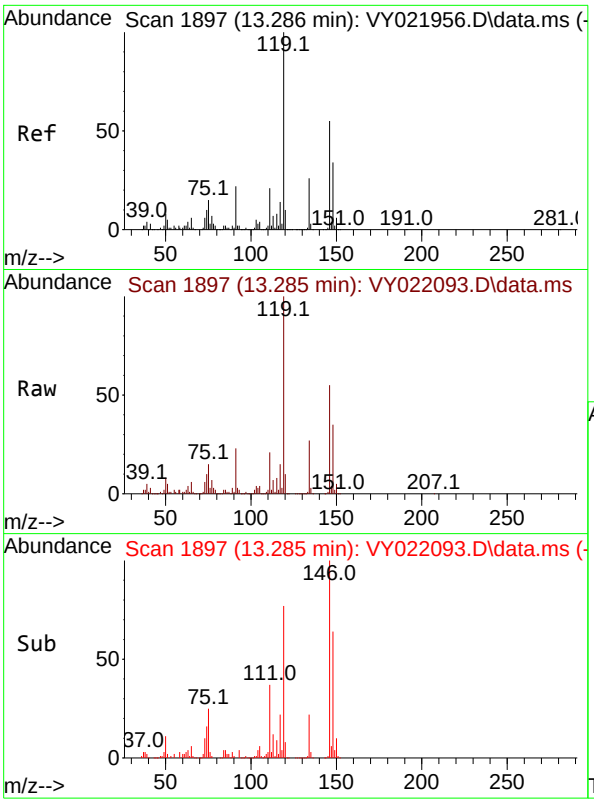


#86
p-Isopropyltoluene
Concen: 49.067 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:119 Resp: 682689

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	22.0	11.0	33.0



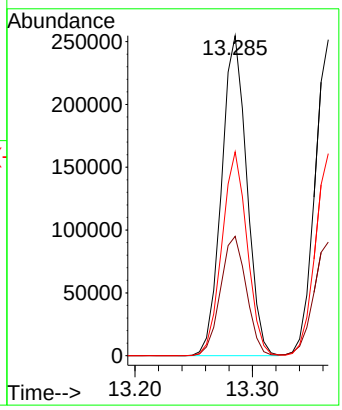


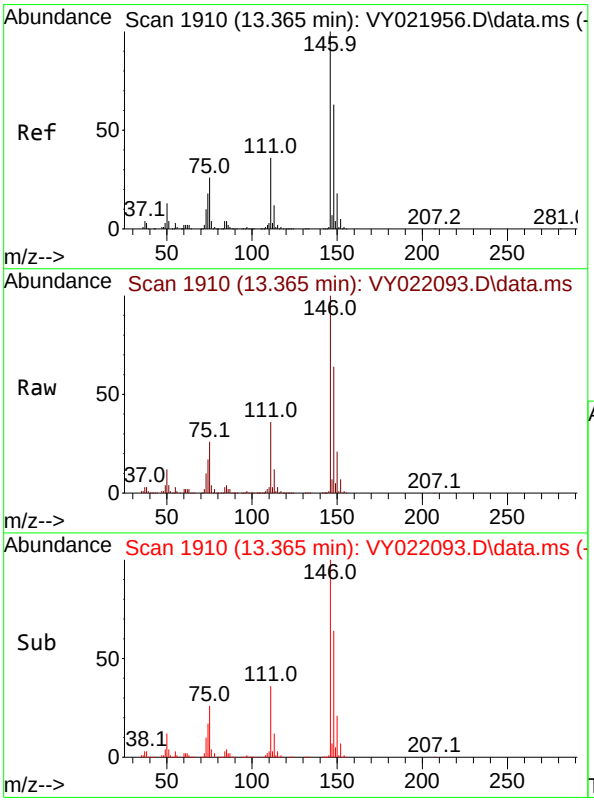
#87
1,3-Dichlorobenzene
Concen: 48.789 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 379414

Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.8	32.0	96.2

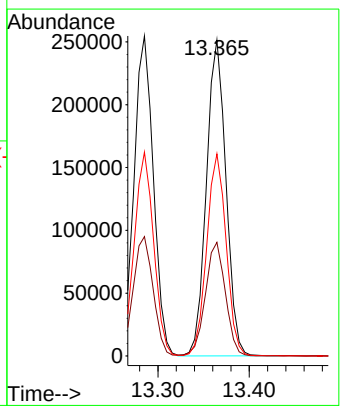


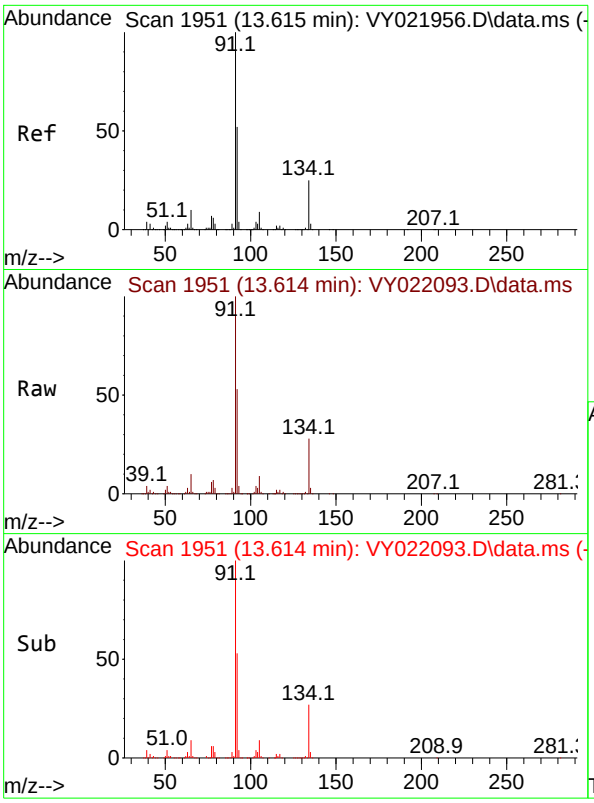


#88
1,4-Dichlorobenzene
Concen: 48.390 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:146 Resp: 372692

Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.2	57.6
148	63.7	32.0	96.0



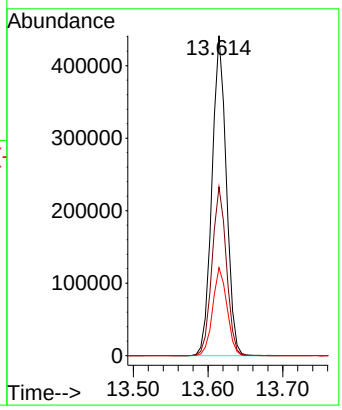


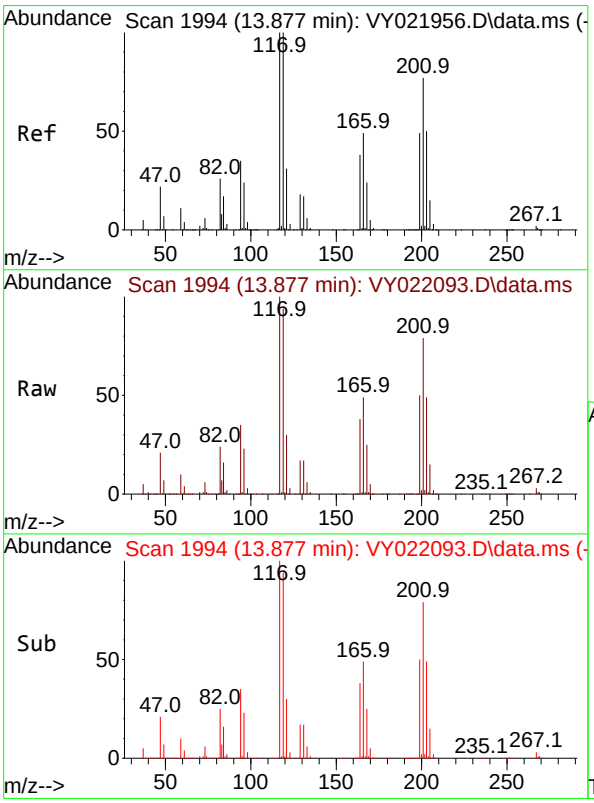
#89
n-Butylbenzene
Concen: 47.384 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 589280

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	27.4	13.4	40.1

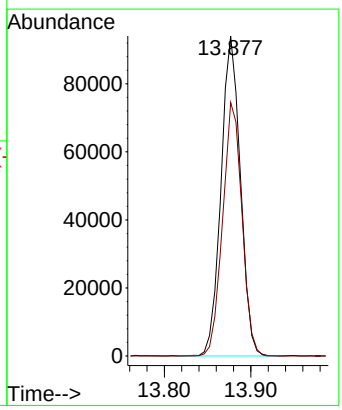


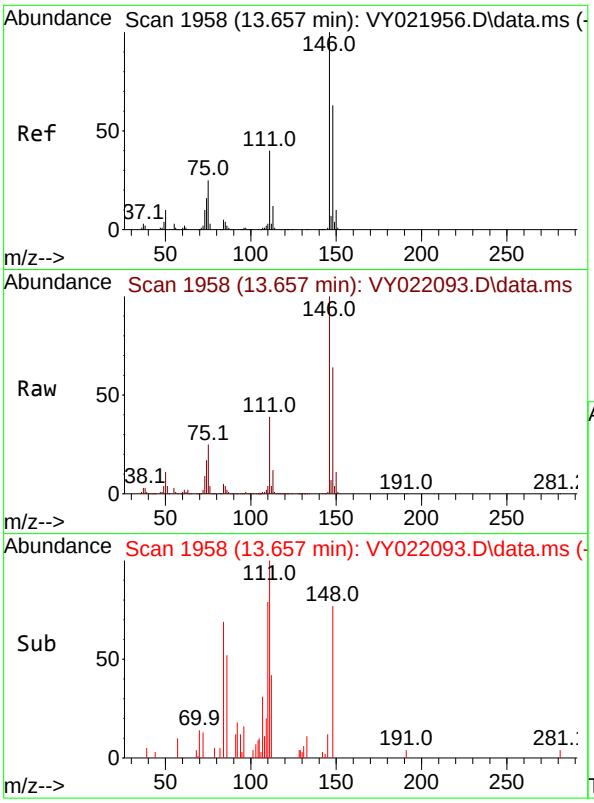


#90
Hexachloroethane
Concen: 47.724 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:117 Resp: 145885

Ion	Ratio	Lower	Upper
117	100		
201	79.0	38.7	116.1



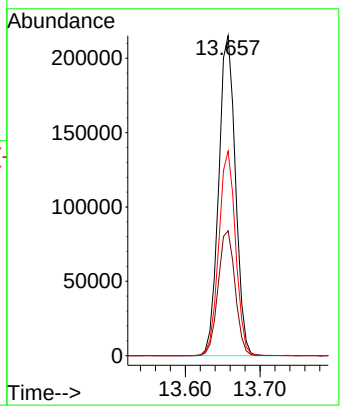


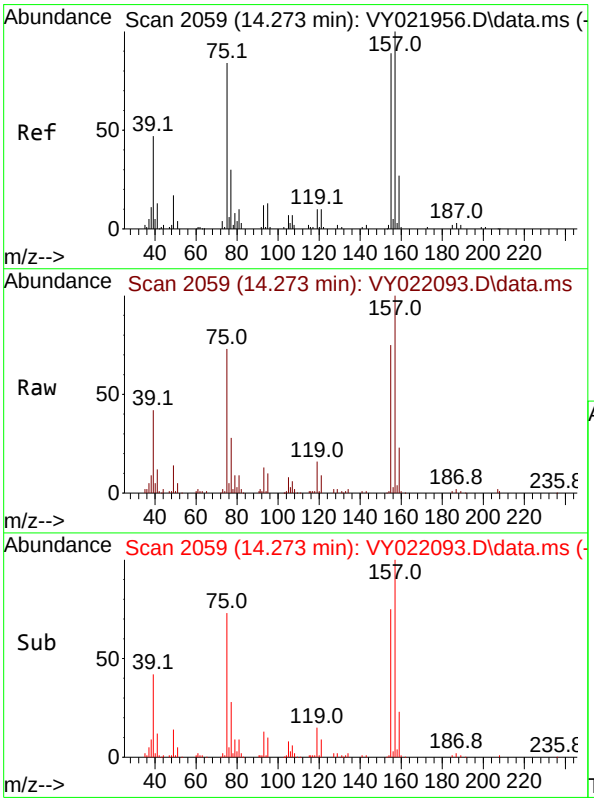
#91
1,2-Dichlorobenzene
Concen: 49.546 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 336060

Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	63.9	32.1	96.3

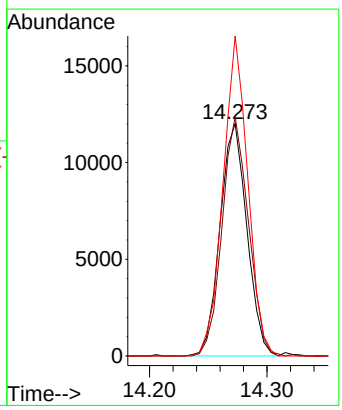


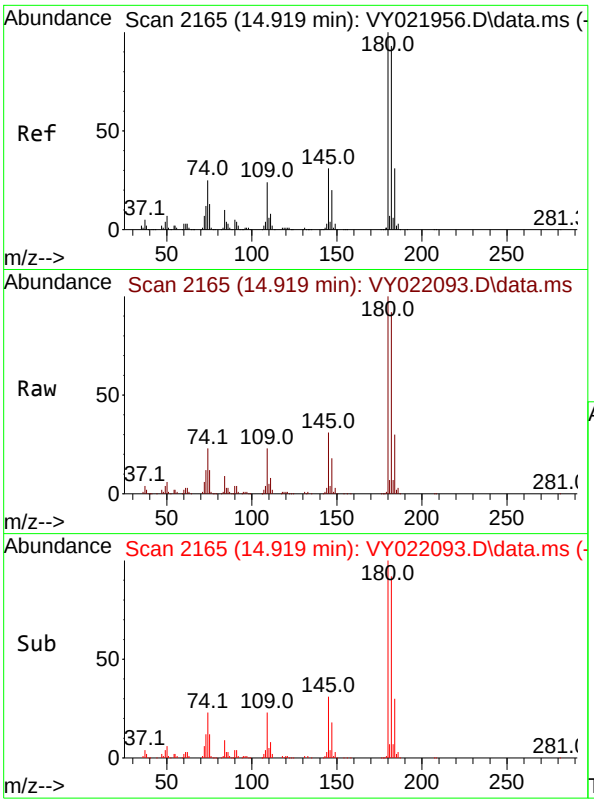


#92
1,2-Dibromo-3-Chloropropane
Concen: 46.884 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion: 75 Resp: 19056

Ion	Ratio	Lower	Upper
75	100		
155	101.3	50.7	152.3
157	126.9	62.6	187.8



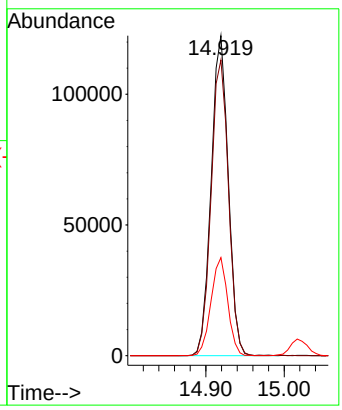


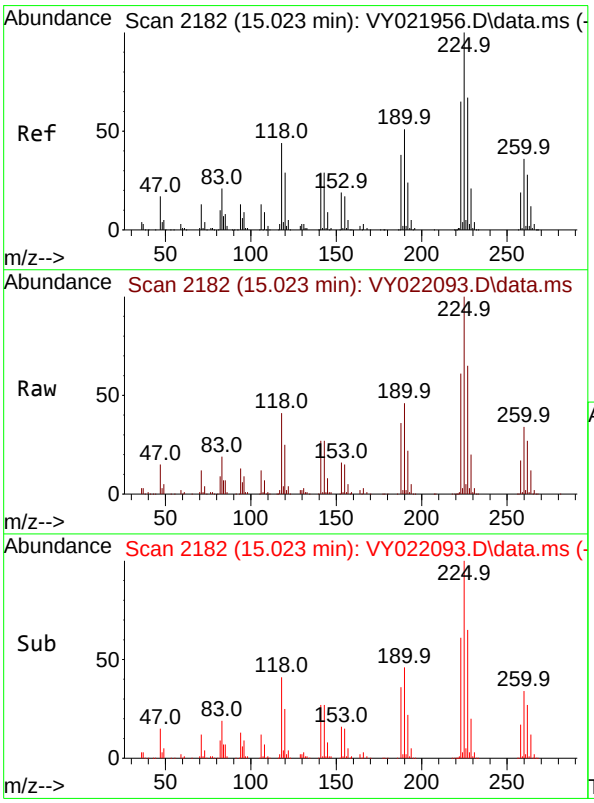
#93
1,2,4-Trichlorobenzene
Concen: 48.224 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 185351

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.1	141.4
145	30.0	15.0	45.0

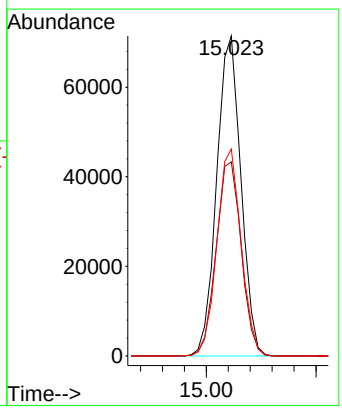


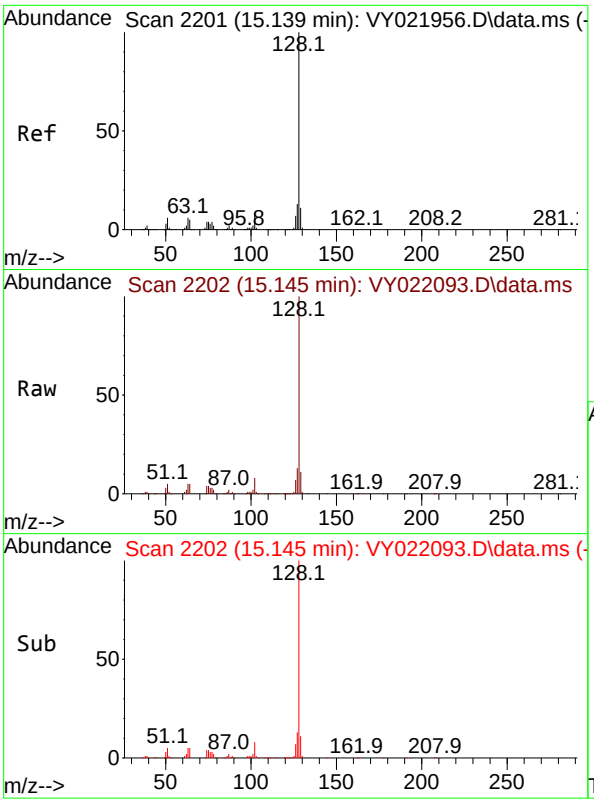


#94
Hexachlorobutadiene
Concen: 46.383 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:225 Resp: 109687

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	64.6	32.3	96.9



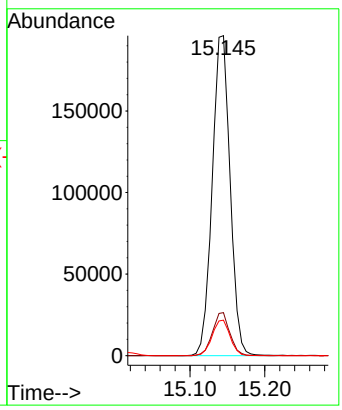


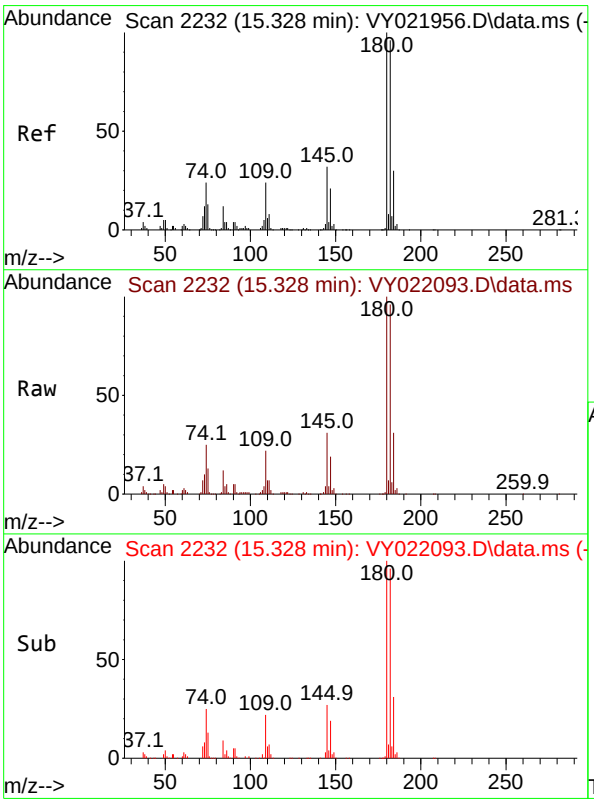
#95
Naphthalene
Concen: 51.039 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 325878

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.2	8.9	13.3

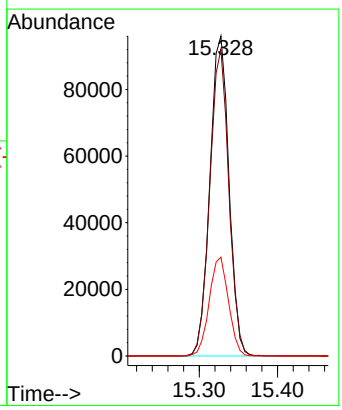




#96
1,2,3-Trichlorobenzene
Concen: 49.013 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022093.D
Acq: 30 Apr 2025 19:25

Tgt Ion:180 Resp: 162616

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.4
145	31.1	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	227184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129452	46.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.420%			
35) Dibromofluoromethane	7.634	113	145369	50.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.109	98	550662	50.988	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.408	95	185315	50.971	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	107755	42.149	ug/l	100
3) Chloromethane	2.068	50	162561	44.656	ug/l	99
4) Vinyl Chloride	2.202	62	203141	45.411	ug/l	98
5) Bromomethane	2.592	94	153399	39.803	ug/l	98
6) Chloroethane	2.733	64	136234	44.717	ug/l	96
7) Trichlorofluoromethane	3.056	101	267266	45.309	ug/l	98
8) Diethyl Ether	3.458	74	65627	42.745	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	145092	45.342	ug/l	98
10) Methyl Iodide	4.001	142	166199	44.860	ug/l	98
11) Tert butyl alcohol	4.879	59	36425	239.412	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	132167	44.312	ug/l	97
13) Acrolein	3.653	56	46426	170.015	ug/l	99
14) Allyl chloride	4.385	41	149377	43.012	ug/l	99
15) Acrylonitrile	5.061	53	131912	234.690	ug/l	99
16) Acetone	3.873	43	93527	258.562	ug/l	93
17) Carbon Disulfide	4.104	76	411563	43.277	ug/l	100
18) Methyl Acetate	4.385	43	67887	52.440	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	309344	46.339	ug/l	99
20) Methylene Chloride	4.610	84	146445	41.790	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	152494	45.652	ug/l	97
22) Diisopropyl ether	6.019	45	358660	46.406	ug/l	99
23) Vinyl Acetate	5.958	43	972154	233.397	ug/l	99
24) 1,1-Dichloroethane	5.915	63	236343	44.117	ug/l	98
25) 2-Butanone	6.896	43	149979	237.416	ug/l	100
26) 2,2-Dichloropropane	6.884	77	216277	46.061	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	171041	45.794	ug/l	100
28) Bromochloromethane	7.238	49	102077	49.056	ug/l	95
29) Tetrahydrofuran	7.262	42	100678	245.385	ug/l	97
30) Chloroform	7.421	83	275742	46.403	ug/l	100
31) Cyclohexane	7.701	56	199607	43.571	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	244709	45.518	ug/l	99
36) 1,1-Dichloropropene	7.835	75	186977	48.590	ug/l	100
37) Ethyl Acetate	6.988	43	70801	51.230	ug/l	97
38) Carbon Tetrachloride	7.817	117	229097	49.824	ug/l	100
39) Methylcyclohexane	9.110	83	238404	49.231	ug/l	96
40) Benzene	8.079	78	593961	49.378	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	34133	45.180	ug/l	#	86
42) 1,2-Dichloroethane	8.158	62	150849	50.652	ug/l		99
43) Isopropyl Acetate	8.195	43	130927	49.331	ug/l		99
44) Trichloroethene	8.866	130	166940	50.105	ug/l		99
45) 1,2-Dichloropropane	9.140	63	131749	49.528	ug/l		97
46) Dibromomethane	9.231	93	84979	51.032	ug/l		99
47) Bromodichloromethane	9.427	83	209708	50.411	ug/l		100
48) Methyl methacrylate	9.219	41	64491	52.563	ug/l		97
49) 1,4-Dioxane	9.231	88	19493	1098.297	ug/l		91
51) 4-Methyl-2-Pentanone	10.000	43	381378	274.117	ug/l		99
52) Toluene	10.170	92	401133	51.517	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	180292	50.528	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	209730	49.447	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	115966	52.135	ug/l		98
56) Ethyl methacrylate	10.439	69	133143	52.343	ug/l		98
57) 1,3-Dichloropropane	10.719	76	182342	51.135	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	351579	282.693	ug/l		99
59) 2-Hexanone	10.762	43	255399	278.311	ug/l		99
60) Dibromochloromethane	10.914	129	160702	52.183	ug/l		99
61) 1,2-Dibromoethane	11.012	107	108715	51.771	ug/l		100
64) Tetrachloroethene	10.646	164	197335	51.010	ug/l		99
65) Chlorobenzene	11.444	112	442124	48.212	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	160317	49.657	ug/l		100
67) Ethyl Benzene	11.518	91	742816	49.517	ug/l		99
68) m/p-Xylenes	11.627	106	610976	102.352	ug/l		99
69) o-Xylene	11.957	106	277219	50.386	ug/l		98
70) Styrene	11.969	104	480407	52.004	ug/l		99
71) Bromoform	12.133	173	97556	51.974	ug/l	#	98
73) Isopropylbenzene	12.255	105	727842	47.953	ug/l		99
74) N-amyl acetate	12.072	43	120776	46.314	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	120473	47.078	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	163011	83.770	ug/l	#	100
77) Bromobenzene	12.536	156	186160	48.538	ug/l		99
78) n-propylbenzene	12.597	91	874536	48.382	ug/l		99
79) 2-Chlorotoluene	12.682	91	498448	47.417	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	613435	49.051	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	38218	47.296	ug/l		98
82) 4-Chlorotoluene	12.780	91	523473	47.904	ug/l		98
83) tert-Butylbenzene	12.999	119	538982	48.054	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	621868	49.714	ug/l		100
85) sec-Butylbenzene	13.176	105	800547	48.777	ug/l		99
86) p-Isopropyltoluene	13.292	119	689548	49.477	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	371168	47.649	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	364925	47.301	ug/l		98
89) n-Butylbenzene	13.621	91	597694	47.980	ug/l		99
90) Hexachloroethane	13.883	117	142735	46.615	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	324218	47.720	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19397	47.643	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	182261	47.340	ug/l		100
94) Hexachlorobutadiene	15.023	225	111490	47.066	ug/l		99
95) Naphthalene	15.145	128	304421	47.598	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	158454	47.678	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

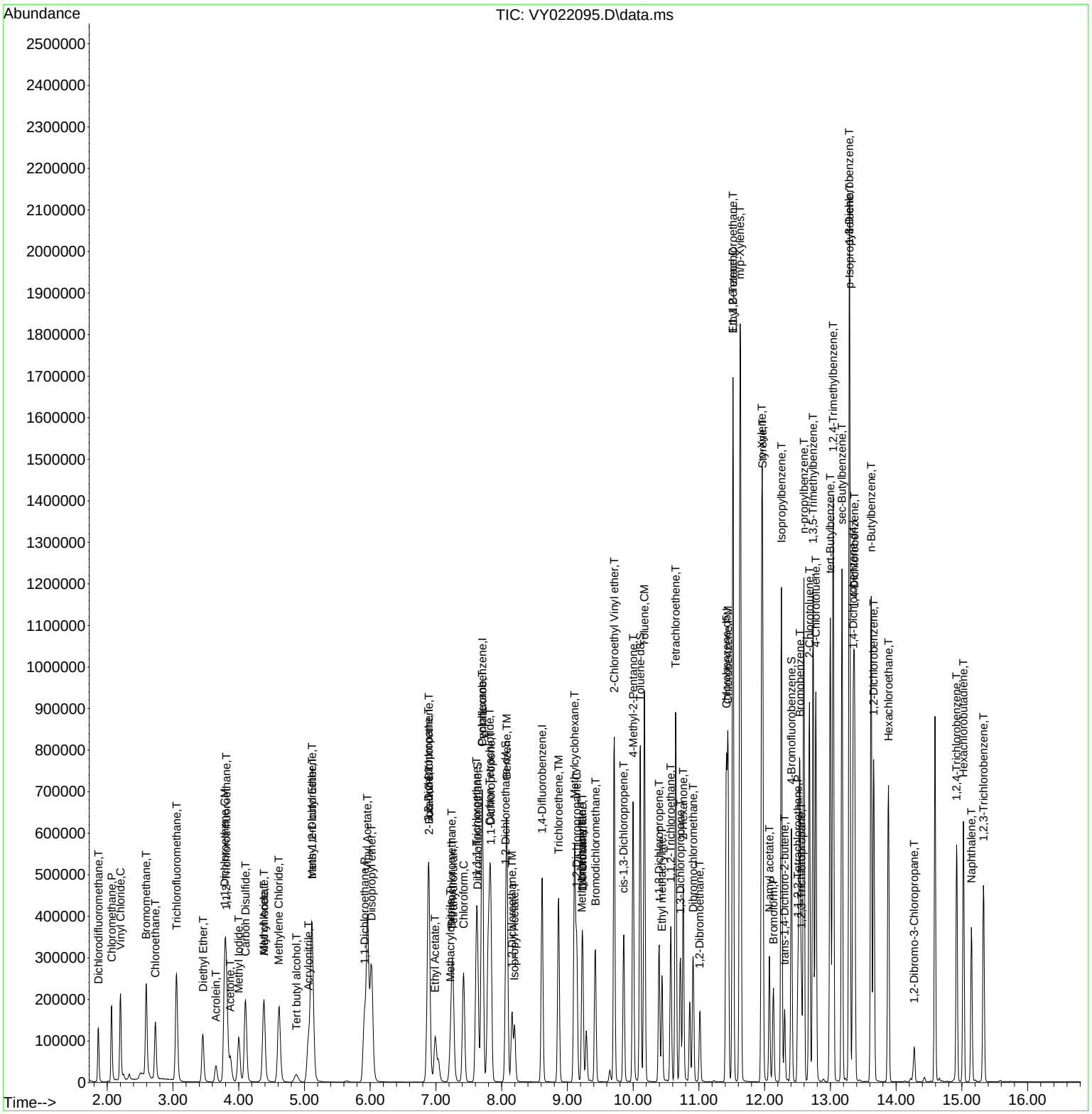
(#) = qualifier out of range (m) = manual integration (+) = signals summed

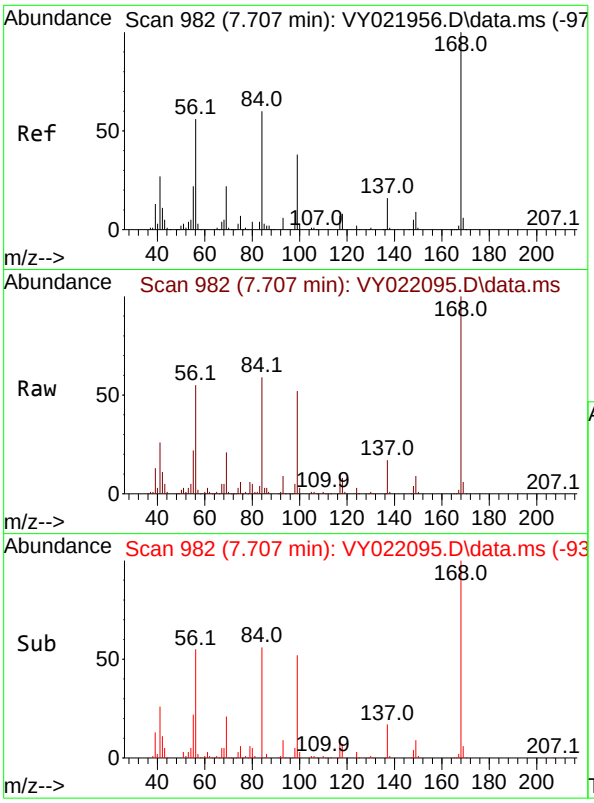
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022095.D
Acq On : 01 May 2025 08:50
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 01 12:52:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



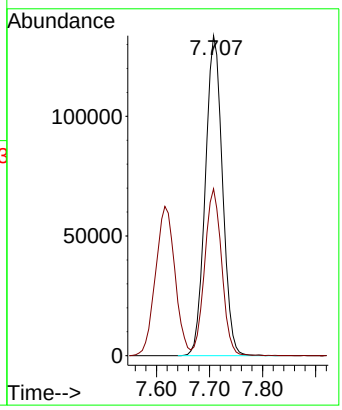


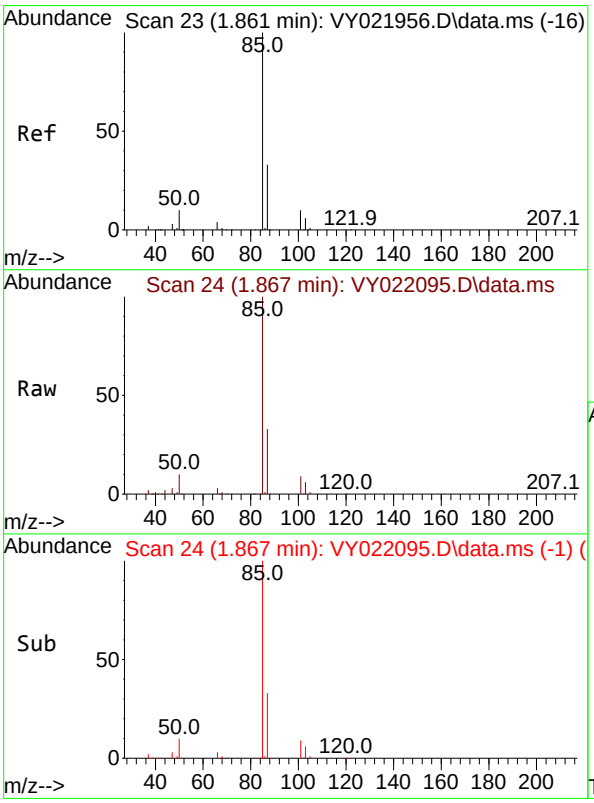
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 300031

Ion	Ratio	Lower	Upper
168	100		
99	52.1	43.1	64.7

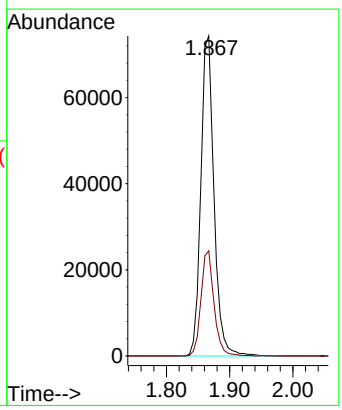


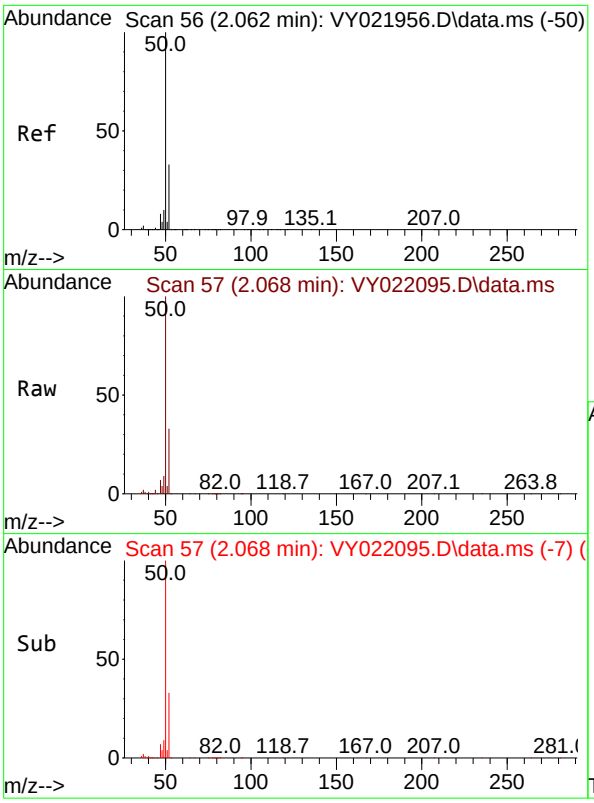


#2
Dichlorodifluoromethane
Concen: 42.149 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 85 Resp: 107755

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7



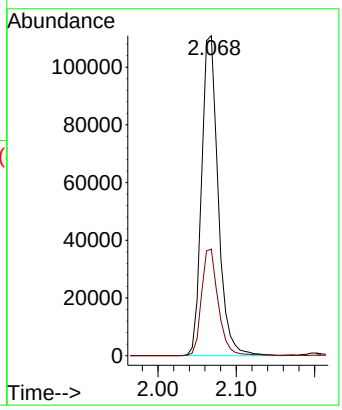


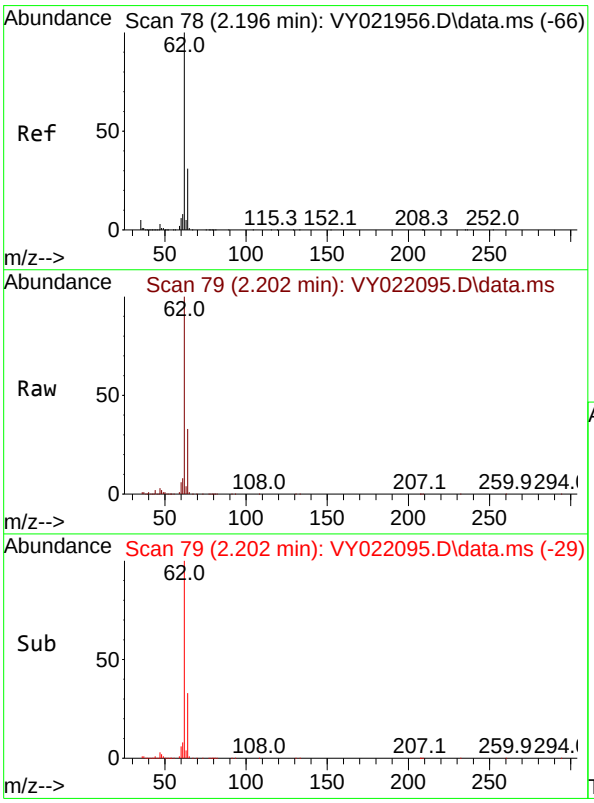
#3
Chloromethane
Concen: 44.656 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 162561

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.1	39.1

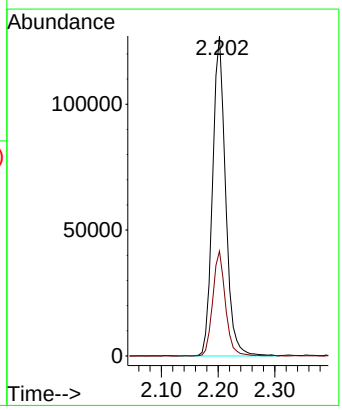


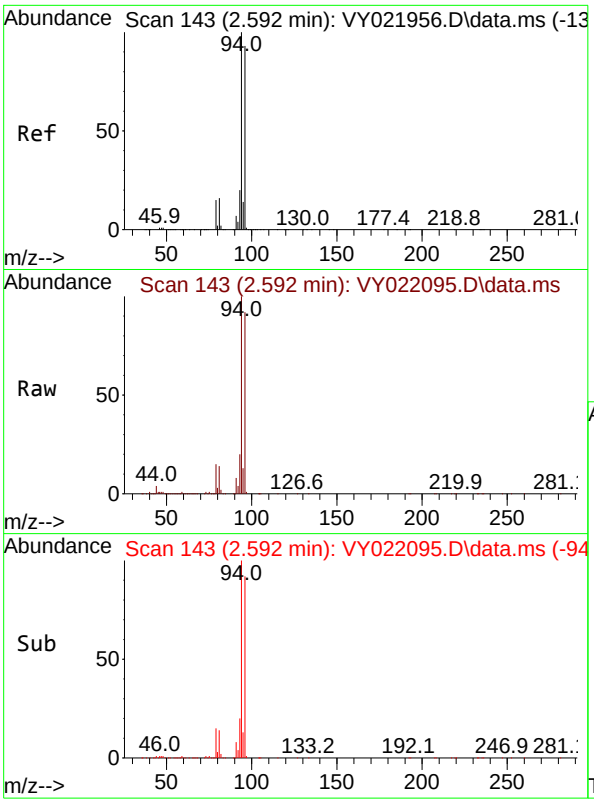


#4
Vinyl Chloride
Concen: 45.411 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 62 Resp: 203141

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.1	37.7



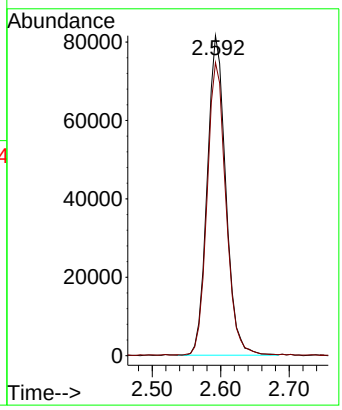


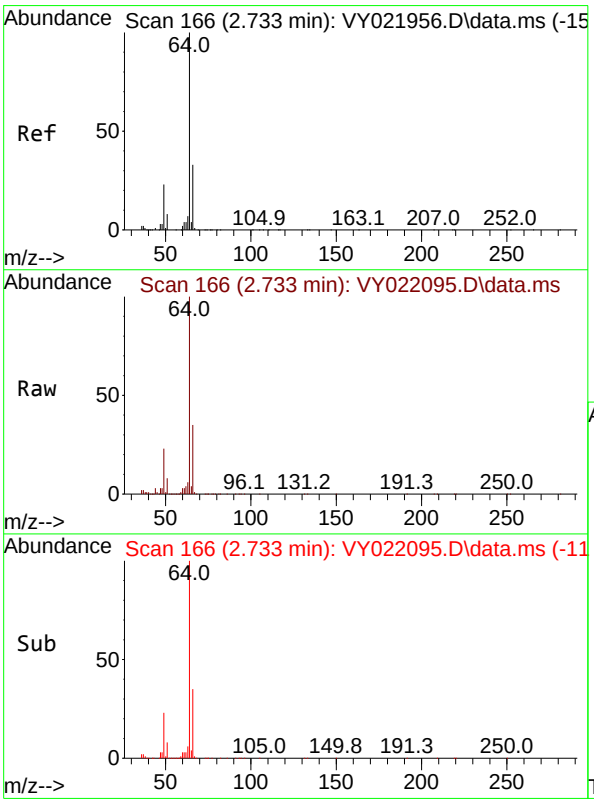
#5
Bromomethane
Concen: 39.803 ug/l
RT: 2.592 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 153399

Ion	Ratio	Lower	Upper
94	100		
96	91.4	74.6	111.8

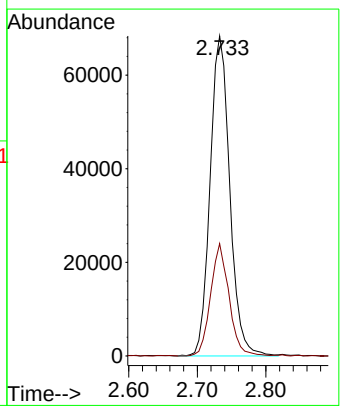


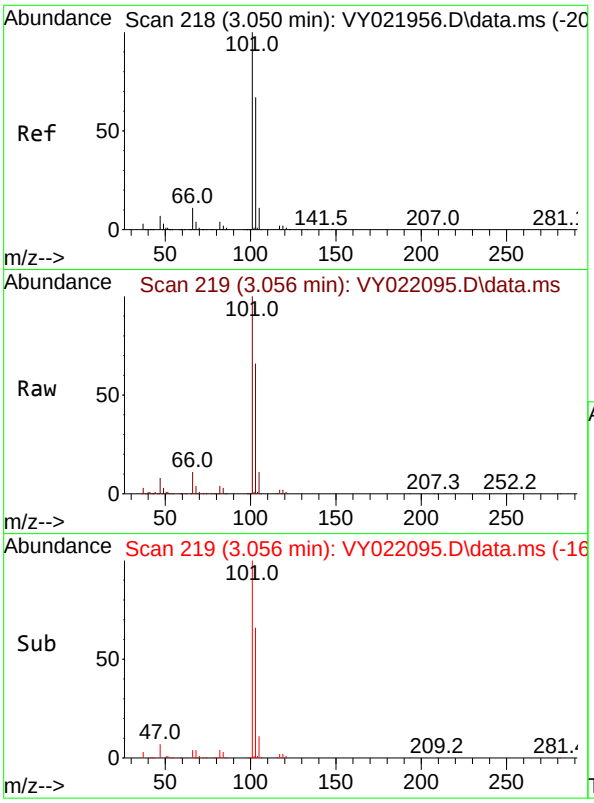


#6
Chloroethane
Concen: 44.717 ug/l
RT: 2.733 min Scan# 166
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 64 Resp: 136234

Ion	Ratio	Lower	Upper
64	100		
66	35.1	26.2	39.4



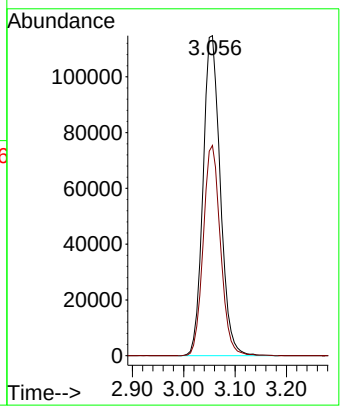


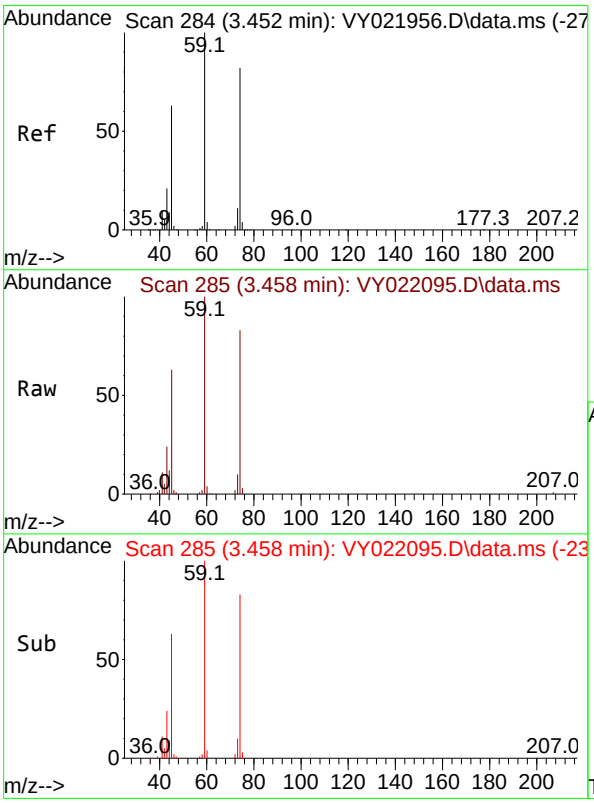
#7
Trichlorofluoromethane
Concen: 45.309 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 267266

Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.6	80.4

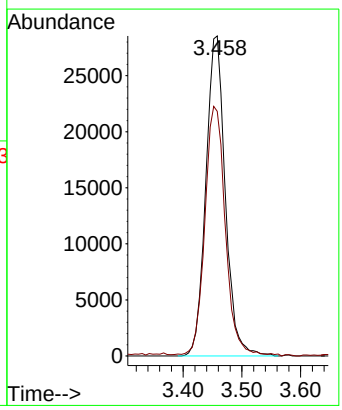


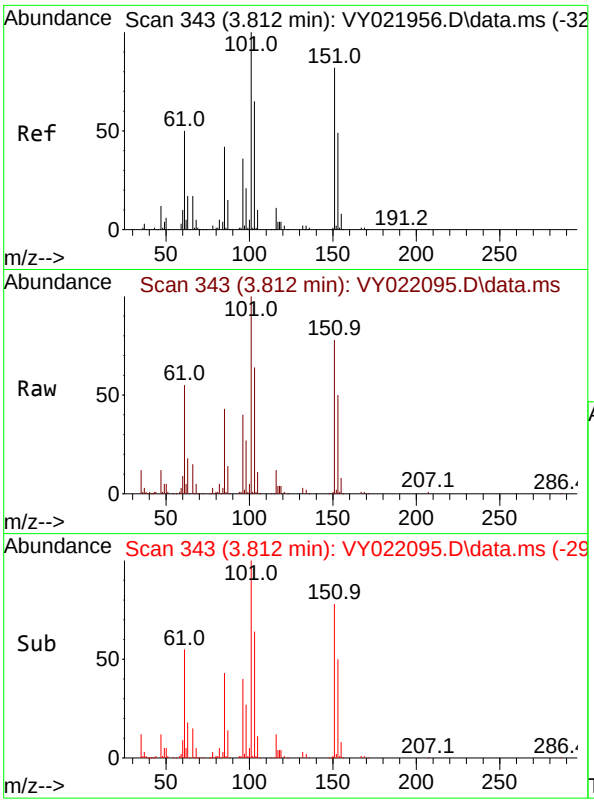


#8
Diethyl Ether
Concen: 42.745 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 74 Resp: 65627

Ion	Ratio	Lower	Upper
74	100		
45	80.8	39.1	117.5



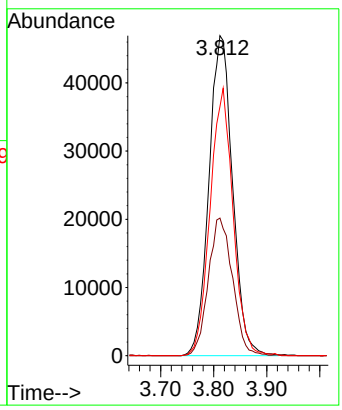


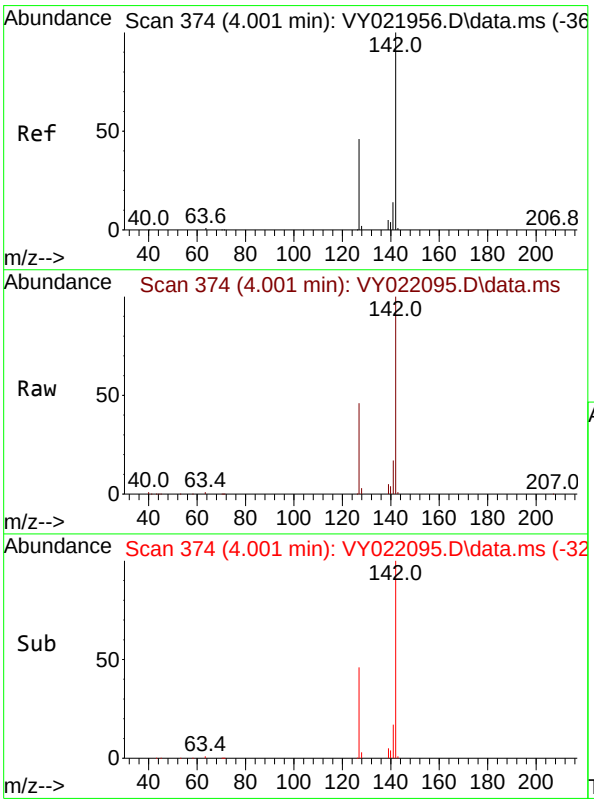
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.342 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 145092

Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.6	51.8
151	81.4	63.7	95.5

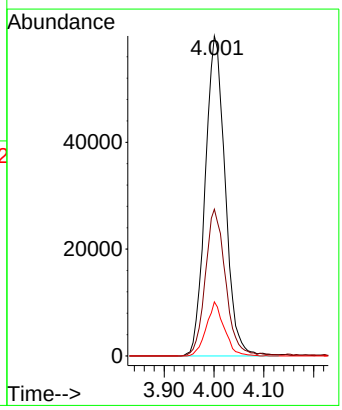


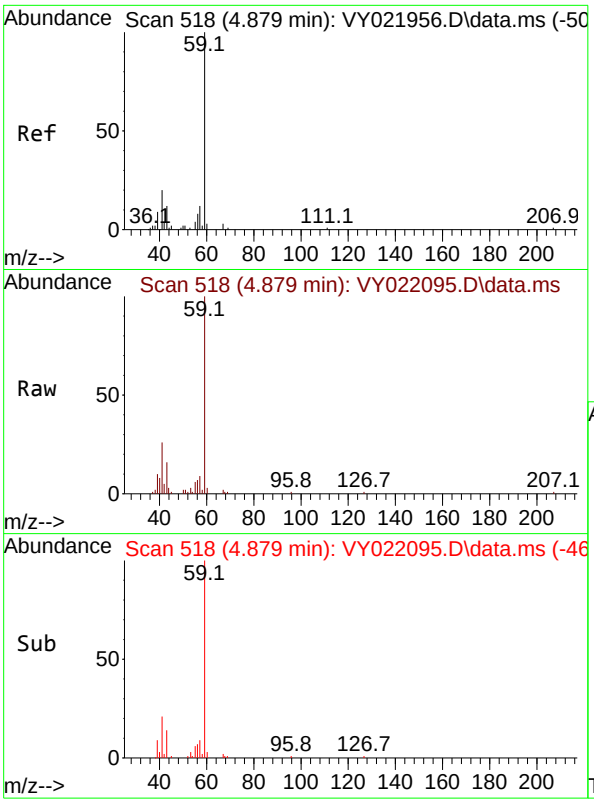


#10
Methyl Iodide
Concen: 44.860 ug/l
RT: 4.001 min Scan# 374
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:142 Resp: 166199

Ion	Ratio	Lower	Upper
142	100		
127	46.8	36.2	54.2
141	15.2	11.7	17.5



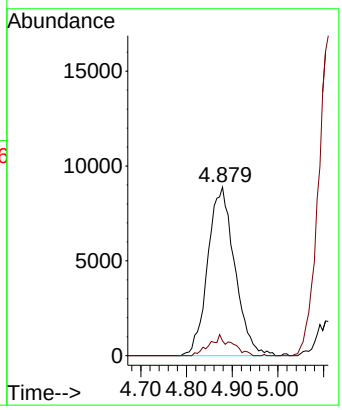


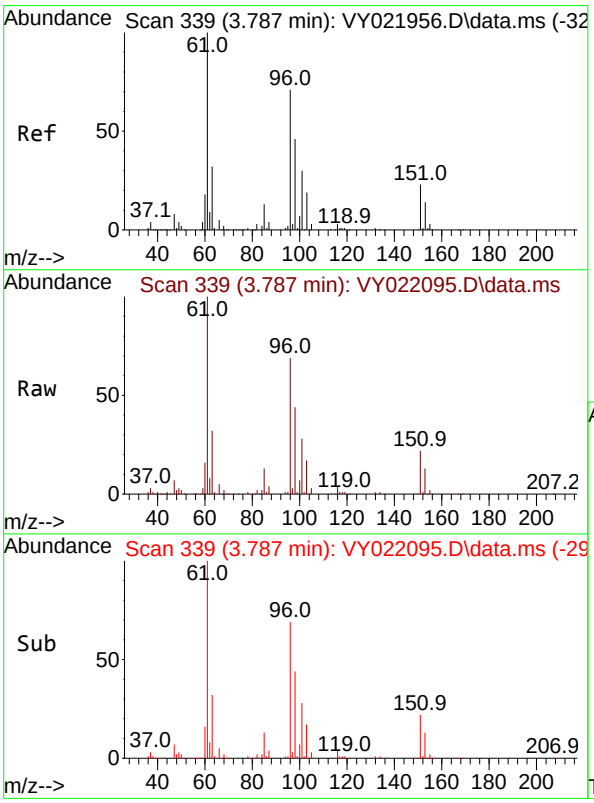
#11
Tert butyl alcohol
Concen: 239.412 ug/l
RT: 4.879 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 36425

Ion	Ratio	Lower	Upper
59	100		
57	6.5	9.3	13.9#

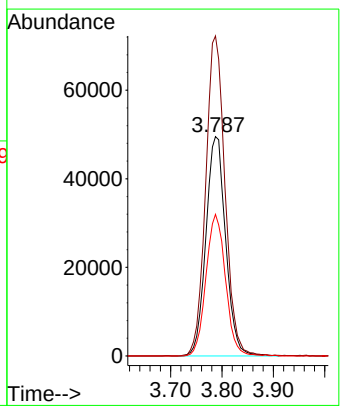


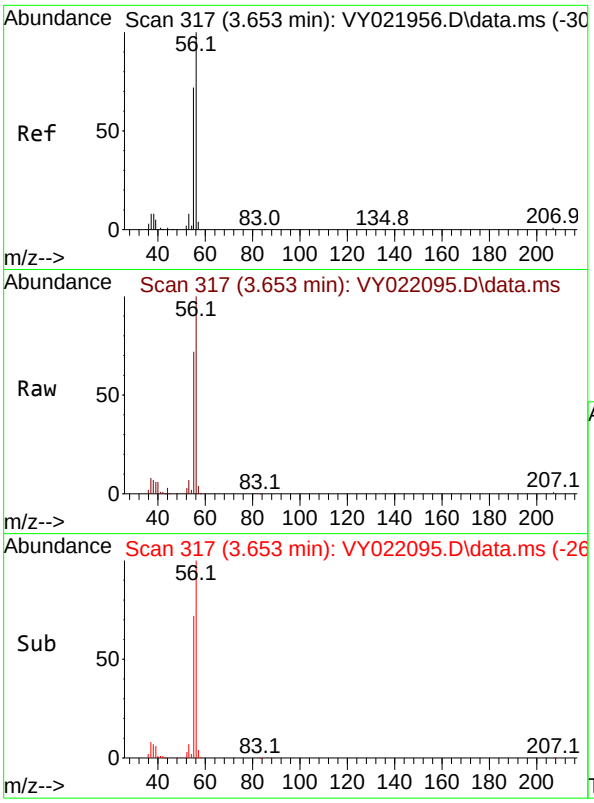


#12
1,1-Dichloroethene
Concen: 44.312 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 96 Resp: 132167

Ion	Ratio	Lower	Upper
96	100		
61	145.8	113.0	169.4
98	64.5	51.4	77.2



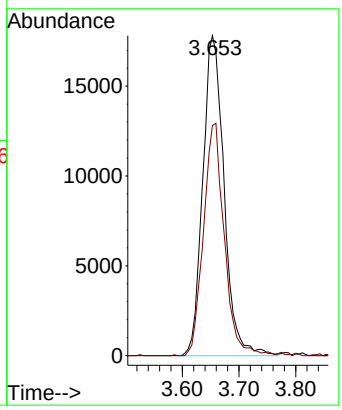


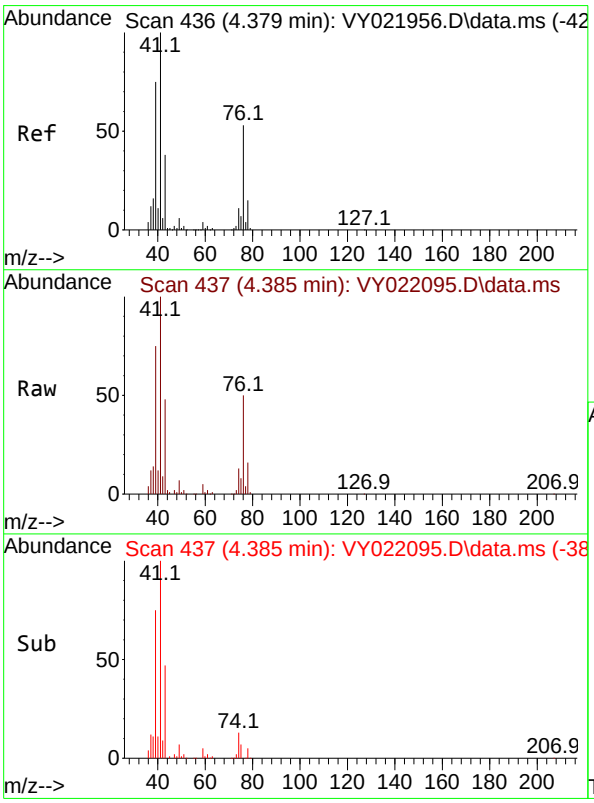
#13
Acrolein
Concen: 170.015 ug/l
RT: 3.653 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 46426

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.4	86.0

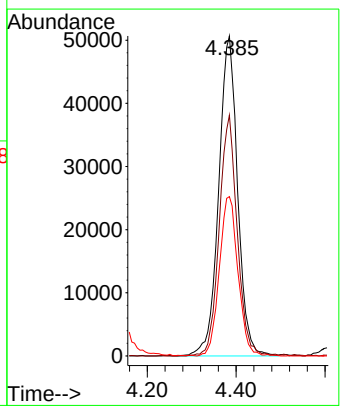


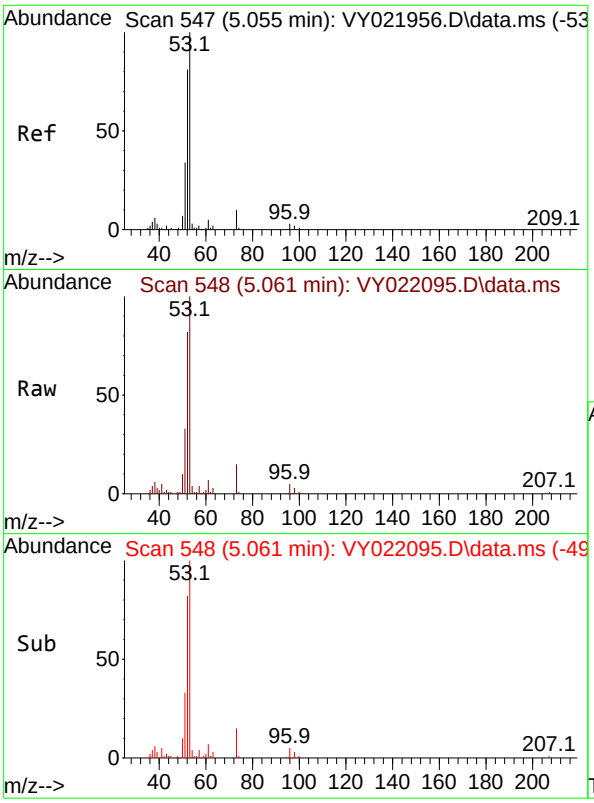


#14
Allyl chloride
Concen: 43.012 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 41 Resp: 149377

Ion	Ratio	Lower	Upper
41	100		
39	71.4	57.2	85.8
76	48.9	39.7	59.5



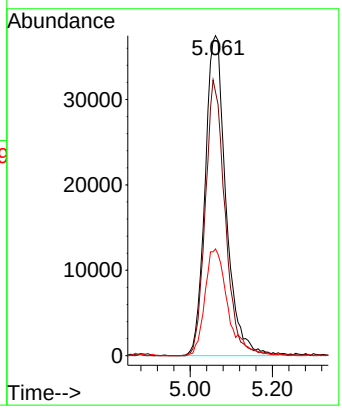


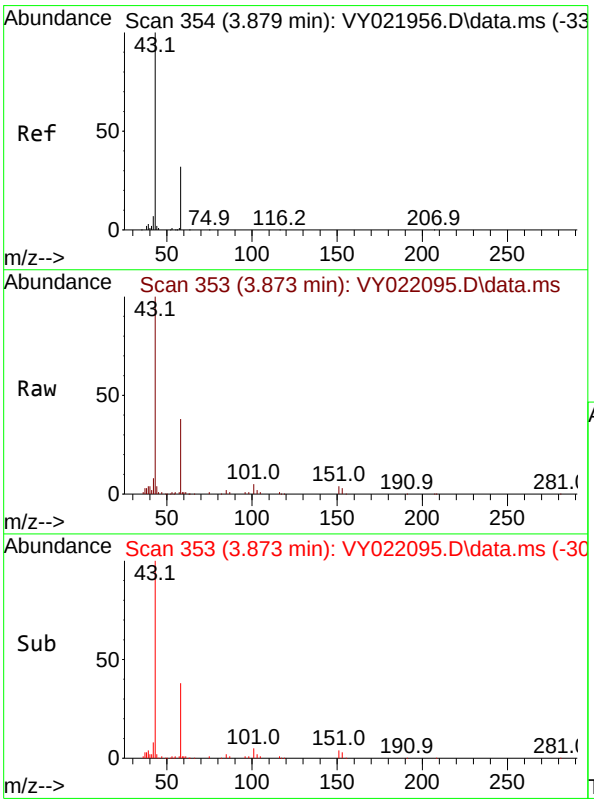
#15
Acrylonitrile
Concen: 234.690 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 131912

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.0	97.6
51	36.9	28.9	43.3

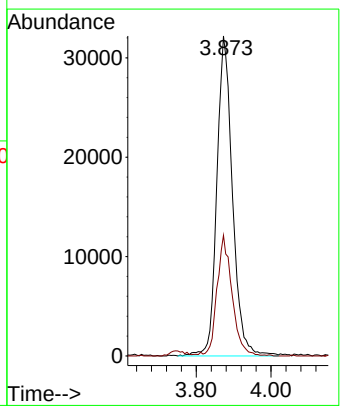


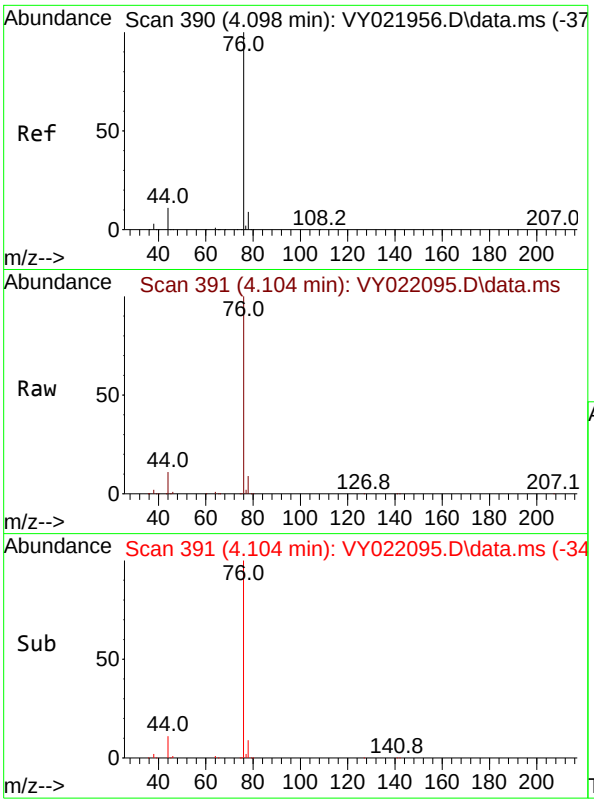


#16
Acetone
Concen: 258.562 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 93527

Ion	Ratio	Lower	Upper
43	100		
58	37.7	27.0	40.4



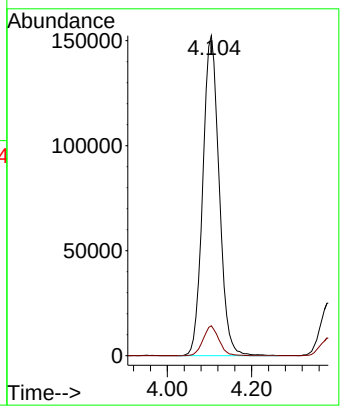


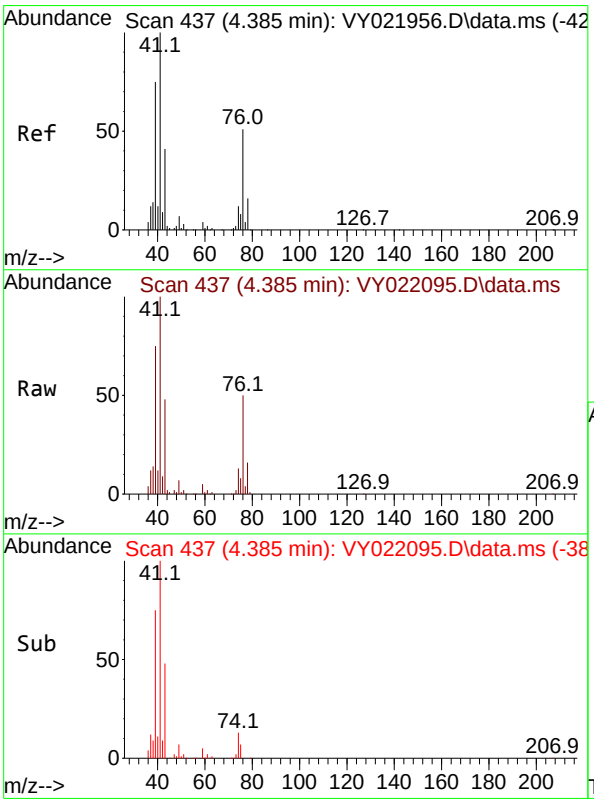
#17
Carbon Disulfide
Concen: 43.277 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 411563

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

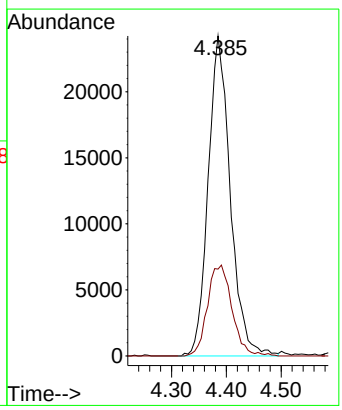


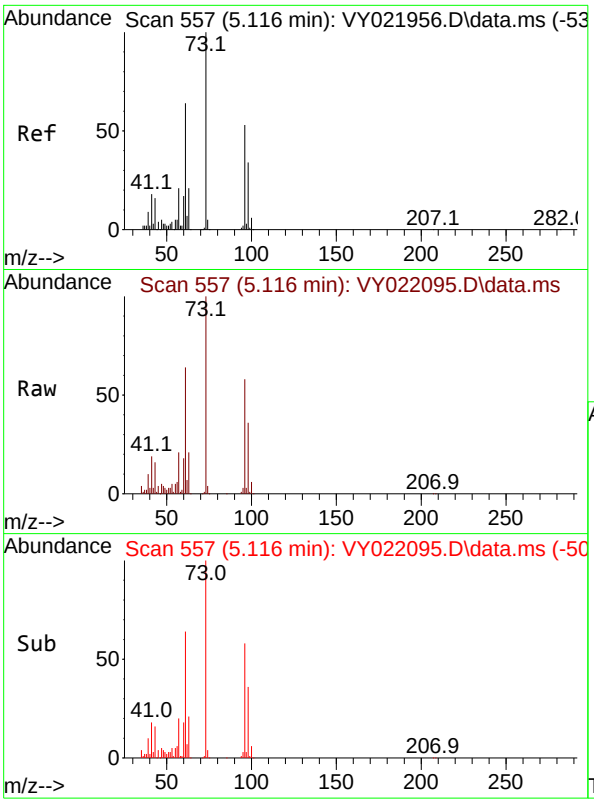


#18
Methyl Acetate
Concen: 52.440 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 67887

Ion	Ratio	Lower	Upper
43	100		
74	31.5	24.2	36.4



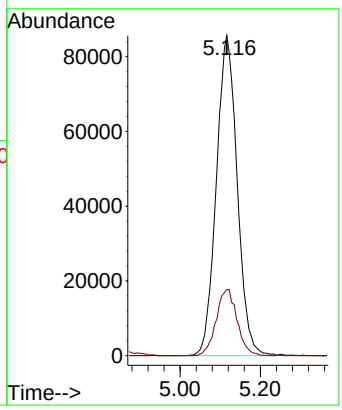


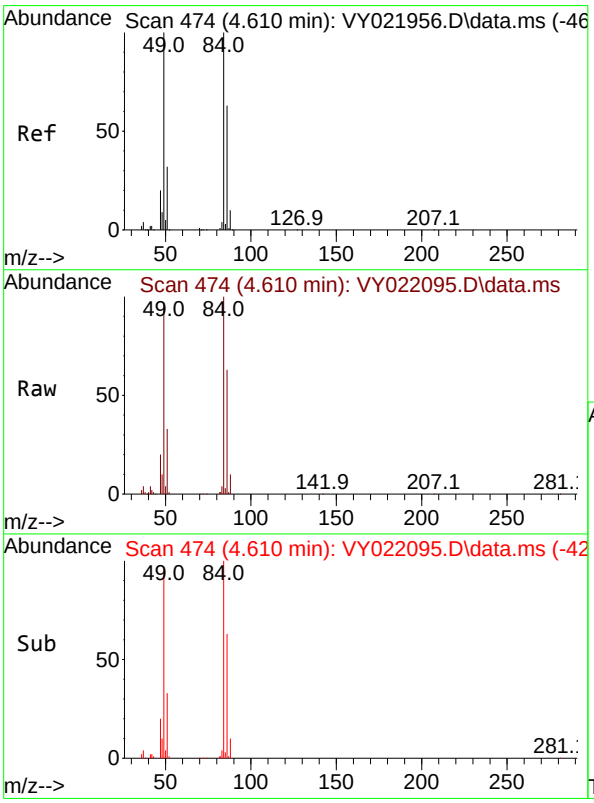
#19
Methyl tert-butyl Ether
Concen: 46.339 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 309344

Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.9	25.3

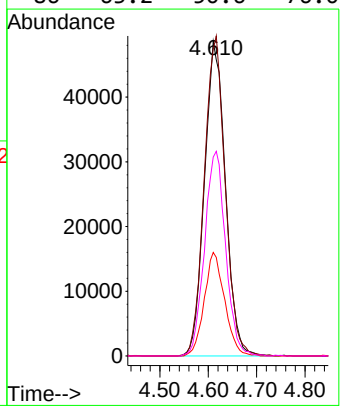


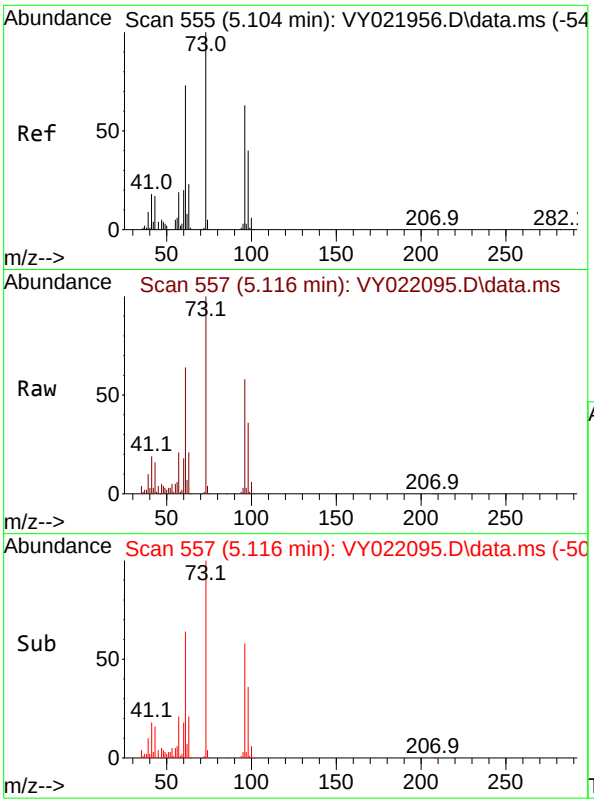


#20
Methylene Chloride
Concen: 41.790 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 84 Resp: 146445

Ion	Ratio	Lower	Upper
84	100		
49	97.5	79.9	119.9
51	32.9	25.4	38.0
86	63.2	50.6	76.0



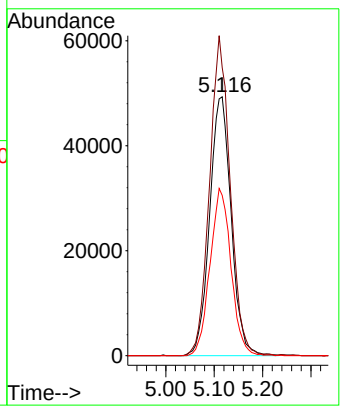


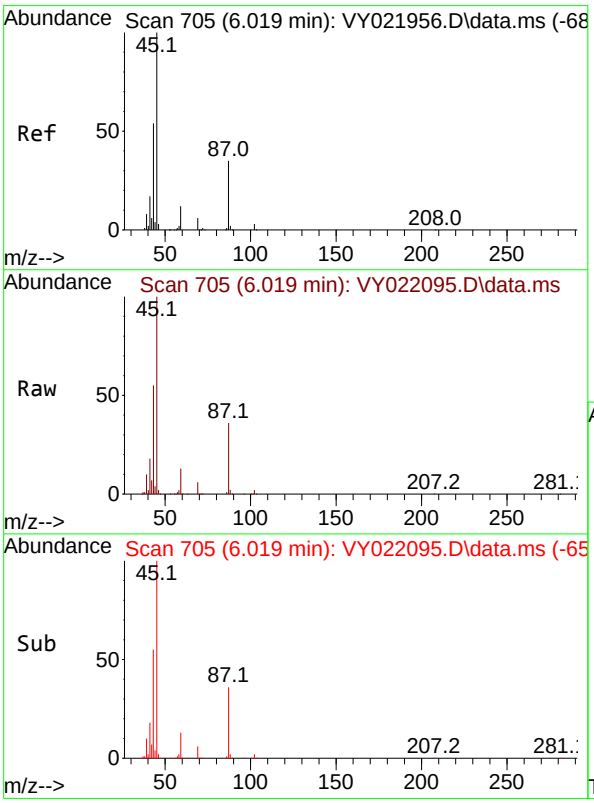
#21
trans-1,2-Dichloroethene
Concen: 45.652 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 152494

Ion	Ratio	Lower	Upper
96	100		
61	111.3	92.6	138.8
98	62.0	50.2	75.4

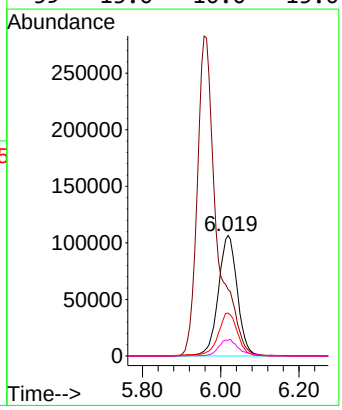


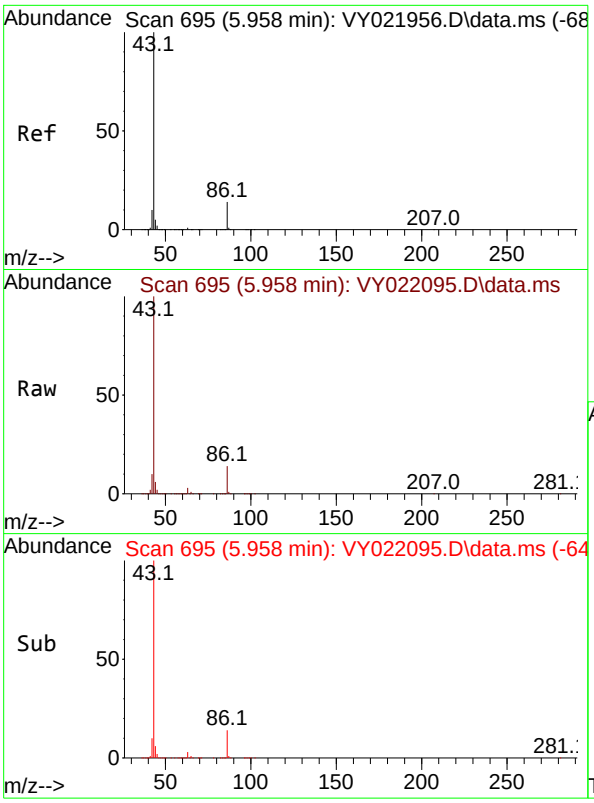


#22
Diisopropyl ether
Concen: 46.406 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 45 Resp: 358660

Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.6	65.4
87	35.5	28.2	42.4
59	13.0	10.0	15.0



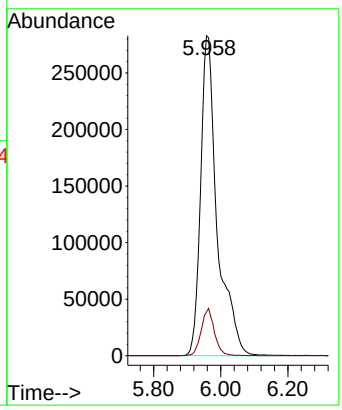


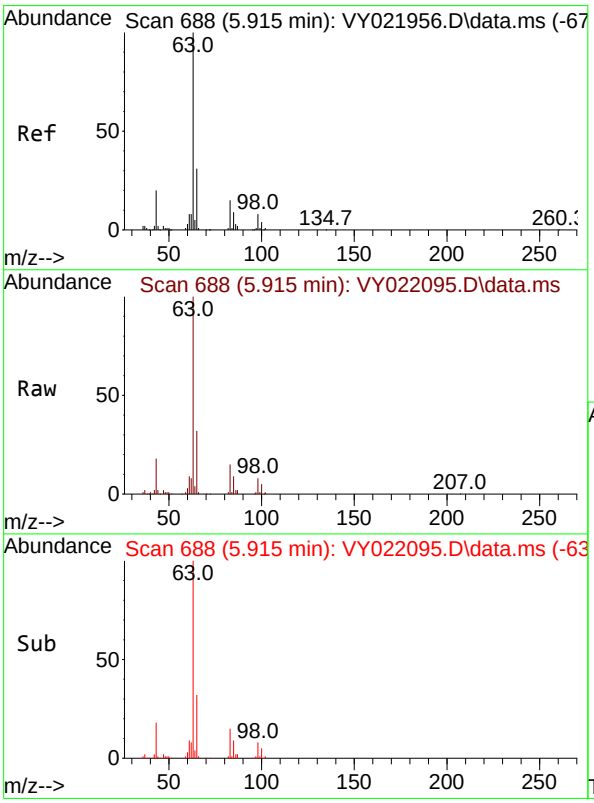
#23
Vinyl Acetate
Concen: 233.397 ug/l
RT: 5.958 min Scan# 6
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 972154

Ion	Ratio	Lower	Upper
43	100		
86	13.7	11.1	16.7

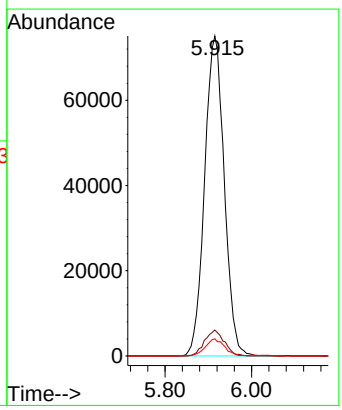


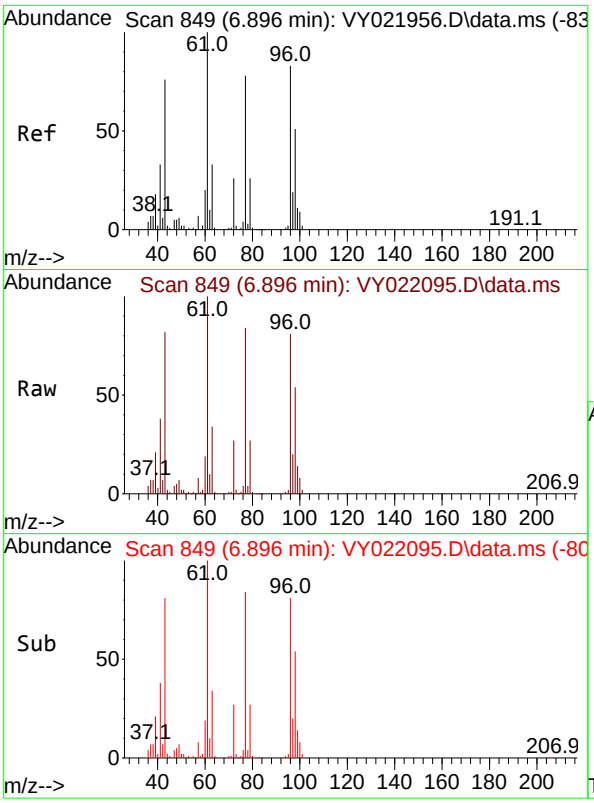


#24
1,1-Dichloroethane
Concen: 44.117 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 63 Resp: 236343

Ion	Ratio	Lower	Upper
63	100		
98	8.1	4.0	11.9
100	5.4	2.0	6.0



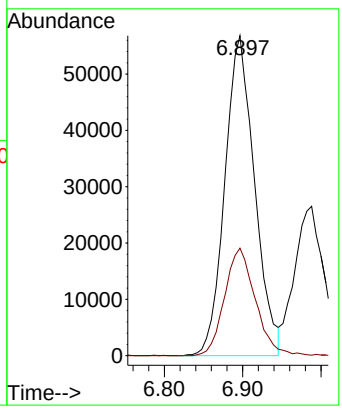


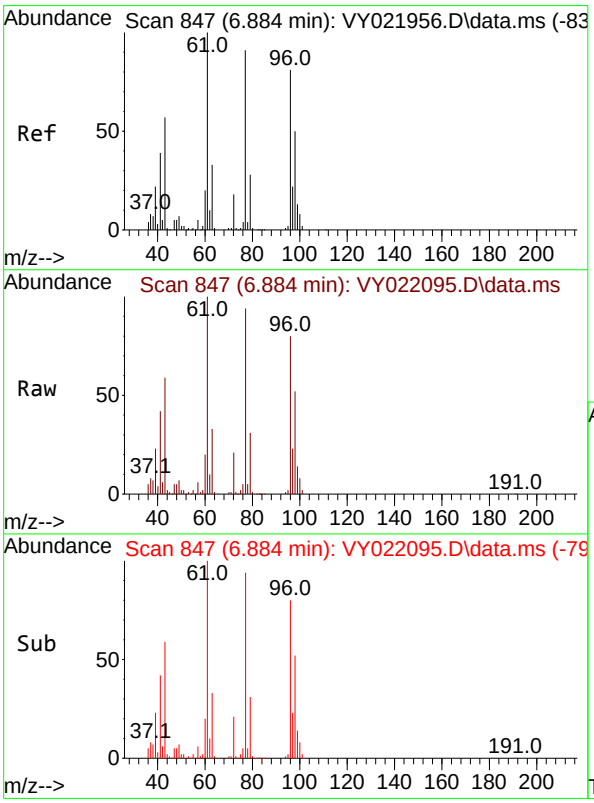
#25
2-Butanone
Concen: 237.416 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 149979

Ion	Ratio	Lower	Upper
43	100		
72	33.6	27.0	40.4

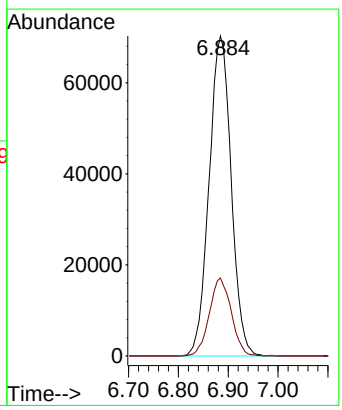


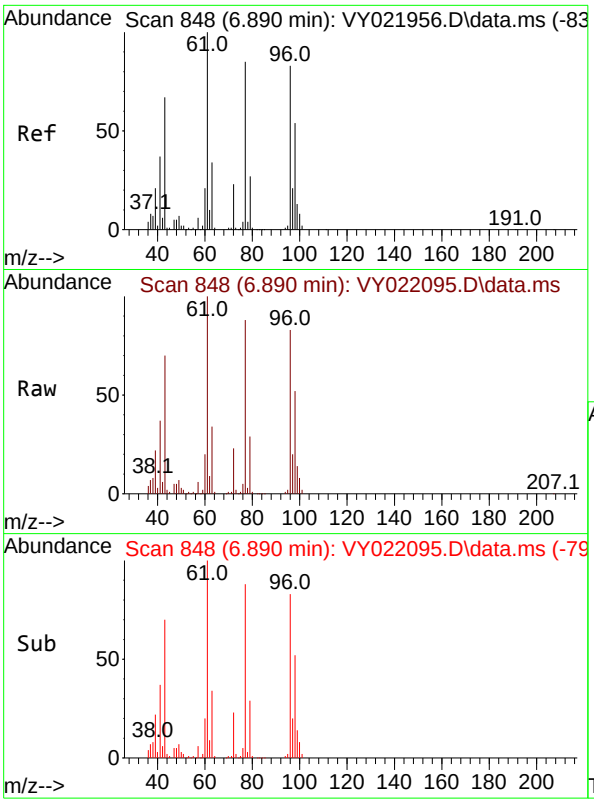


#26
2,2-Dichloropropane
Concen: 46.061 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 77 Resp: 216277

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.4



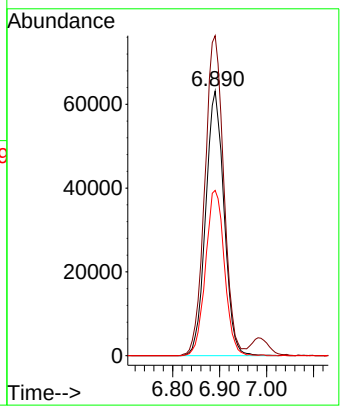


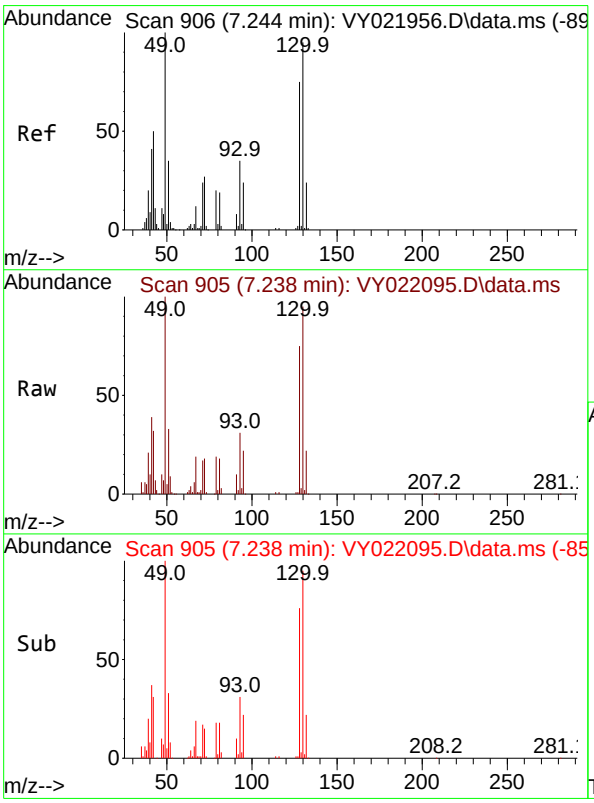
#27
cis-1,2-Dichloroethene
Concen: 45.794 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 171041

Ion	Ratio	Lower	Upper
96	100		
61	125.3	0.0	251.4
98	64.4	0.0	128.4

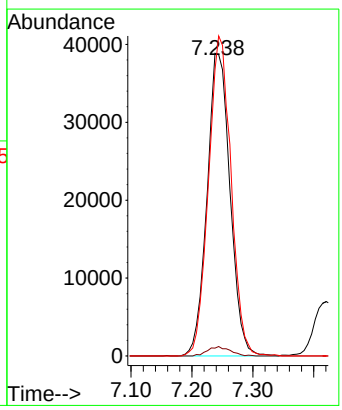


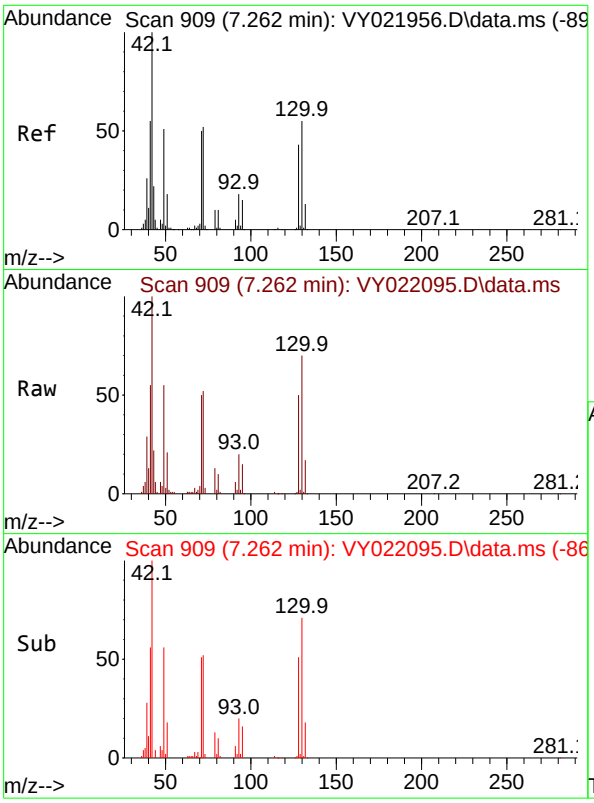


#28
Bromochloromethane
Concen: 49.056 ug/l
RT: 7.238 min Scan# 905
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 49 Resp: 102077

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	103.3	78.2	117.4



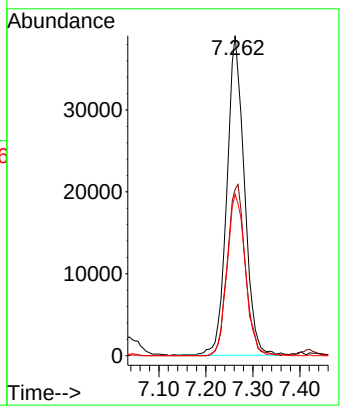


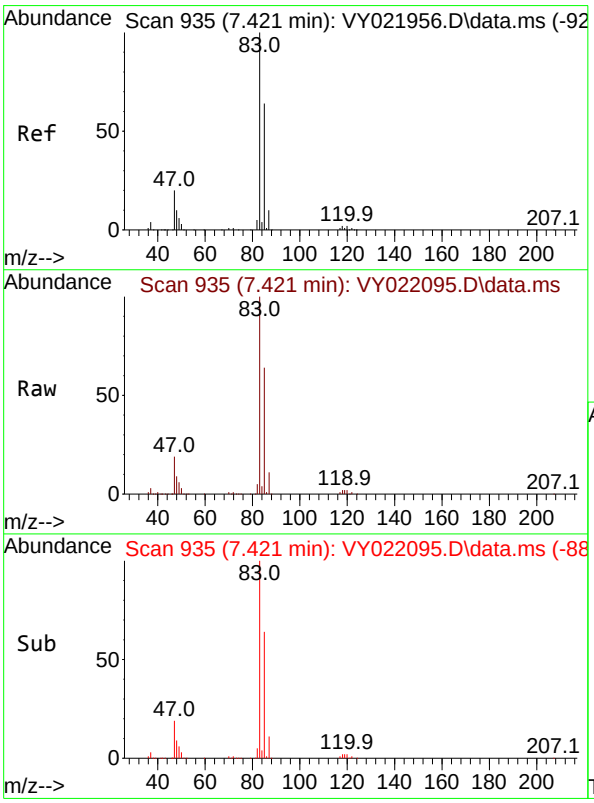
#29
Tetrahydrofuran
Concen: 245.385 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 100678

Ion	Ratio	Lower	Upper
42	100		
72	55.1	42.6	63.8
71	53.0	40.6	61.0

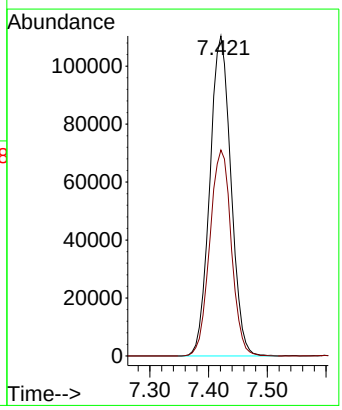


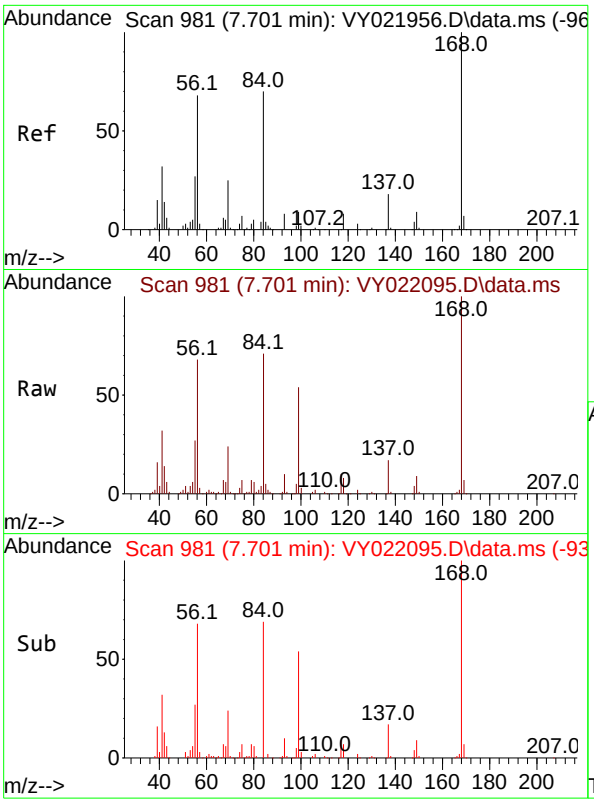


#30
Chloroform
Concen: 46.403 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 83 Resp: 275742

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9



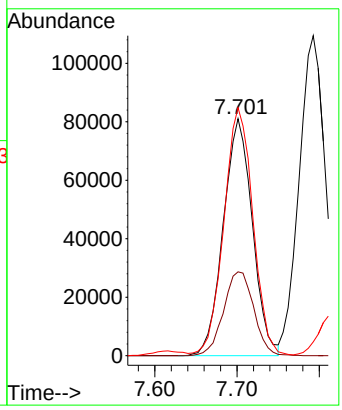


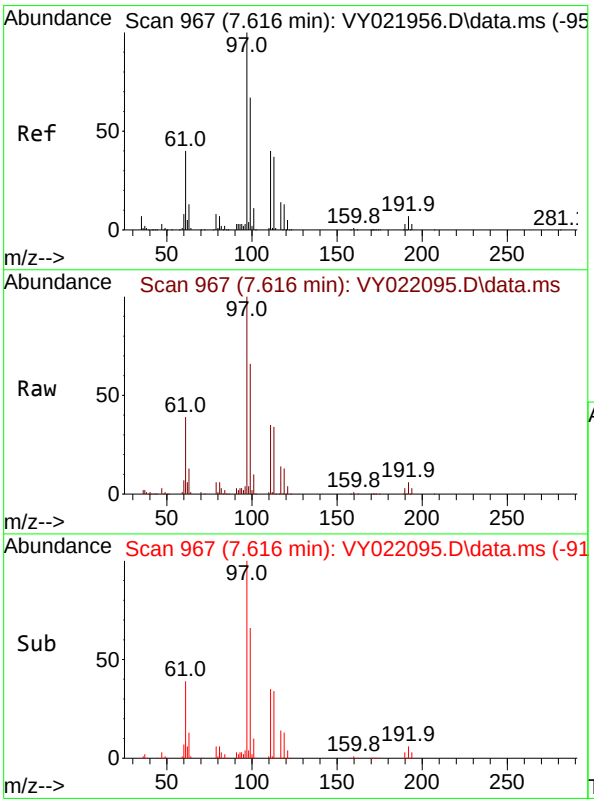
#31
Cyclohexane
Concen: 43.571 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 199607

Ion	Ratio	Lower	Upper
56	100		
69	35.4	29.4	44.2
84	103.2	82.2	123.4

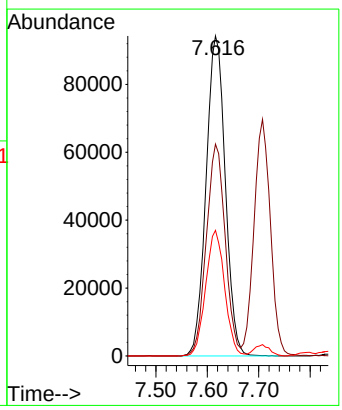


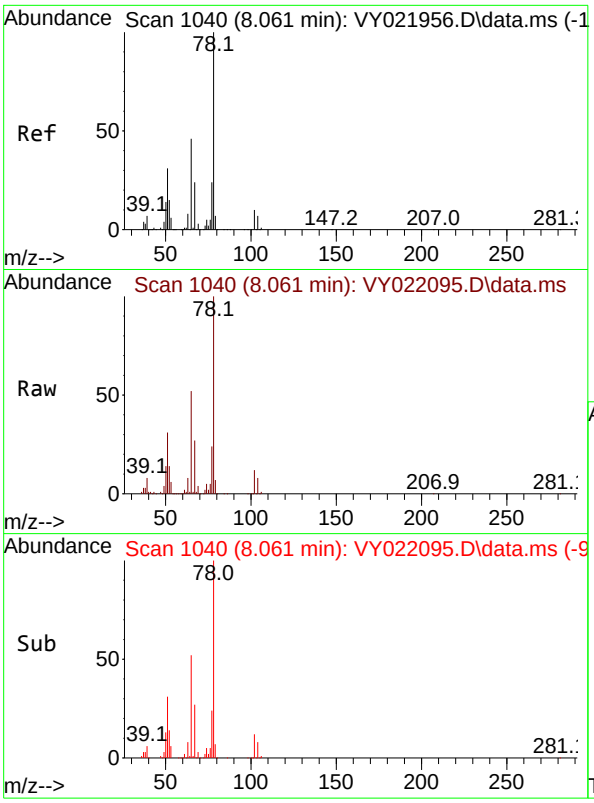


#32
1,1,1-Trichloroethane
Concen: 45.518 ug/l
RT: 7.616 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 97 Resp: 244709

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	38.8	31.4	47.2



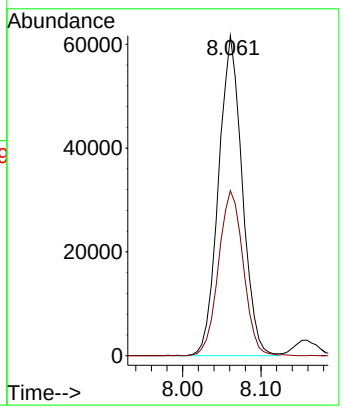


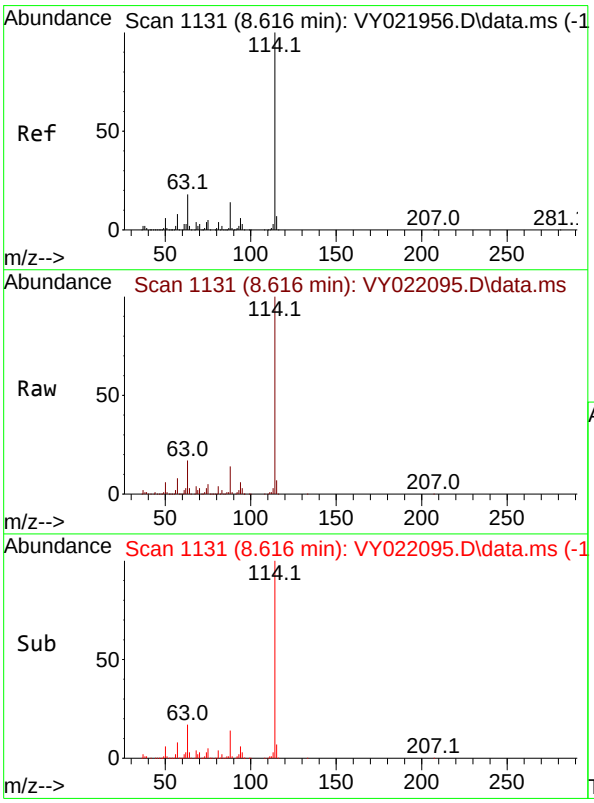
#33
1,2-Dichloroethane-d4
Concen: 46.711 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 129452

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.8

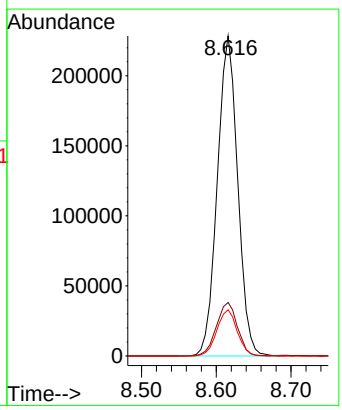


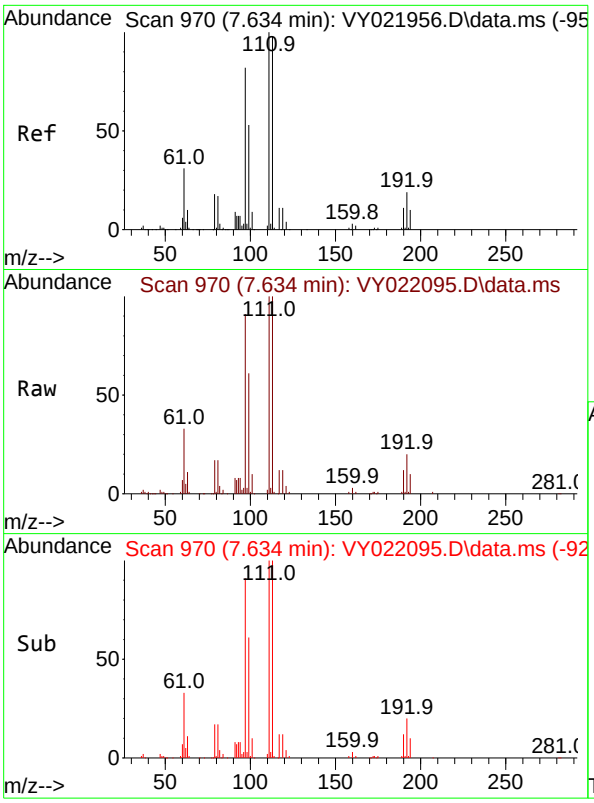


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:114 Resp: 433614

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	35.4
88	14.5	0.0	28.2



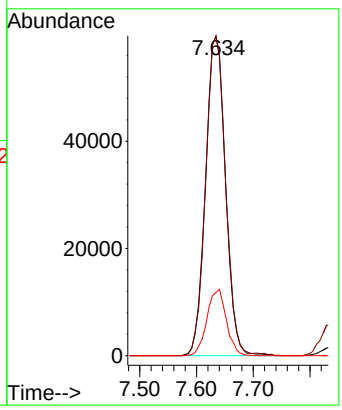


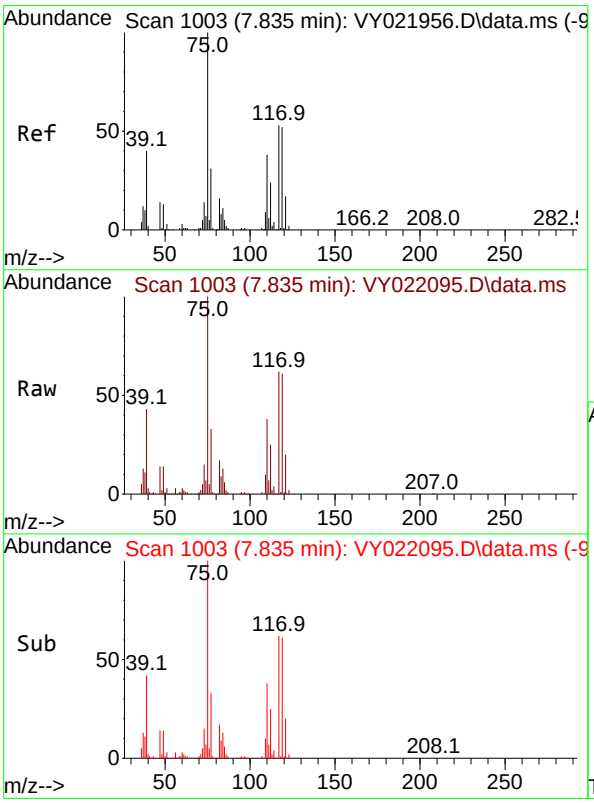
#35
Dibromofluoromethane
Concen: 50.745 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 145369

Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.8	122.8
192	20.2	15.6	23.4

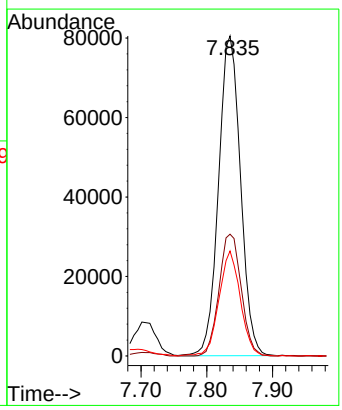


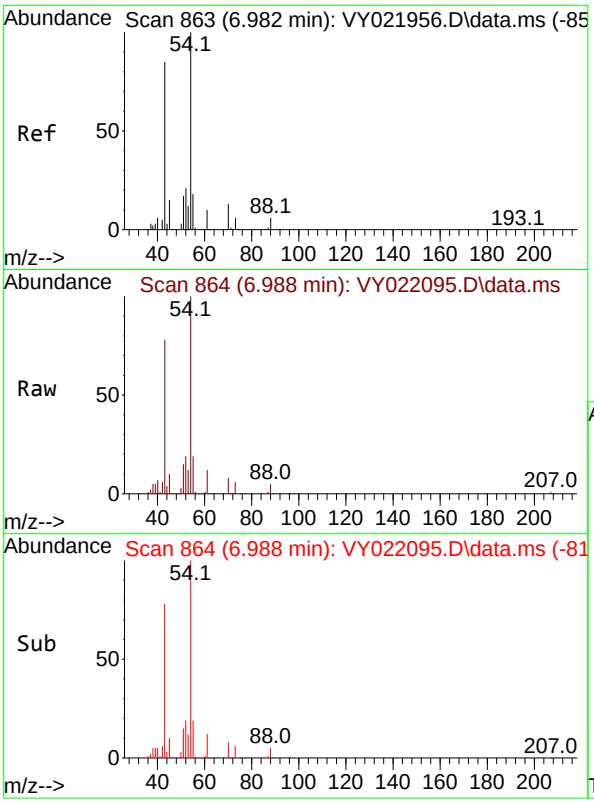


#36
1,1-Dichloropropene
Concen: 48.590 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 186977

Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.1	57.3
77	32.0	25.5	38.3



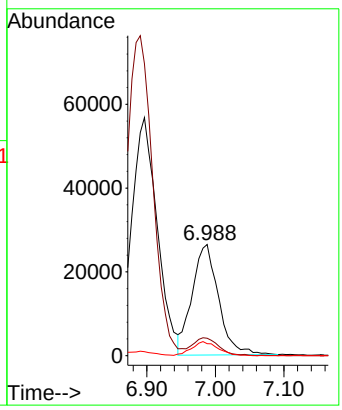


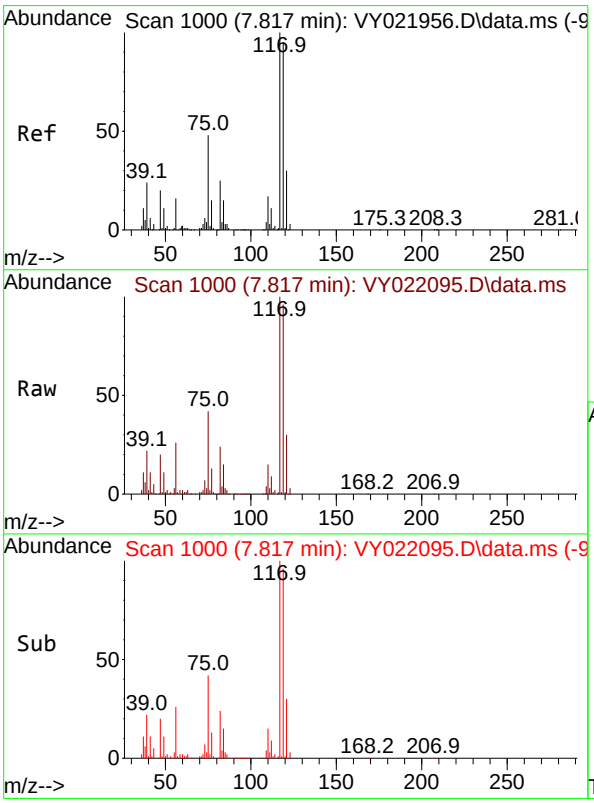
#37
Ethyl Acetate
Concen: 51.230 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 70801

Ion	Ratio	Lower	Upper
43	100		
61	15.6	13.8	20.6
70	12.5	9.2	13.8

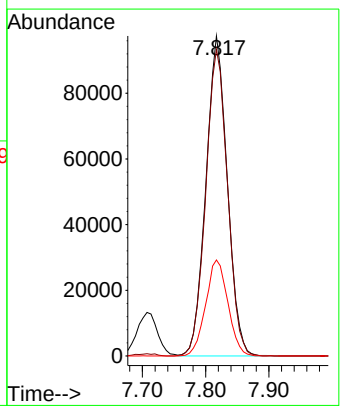


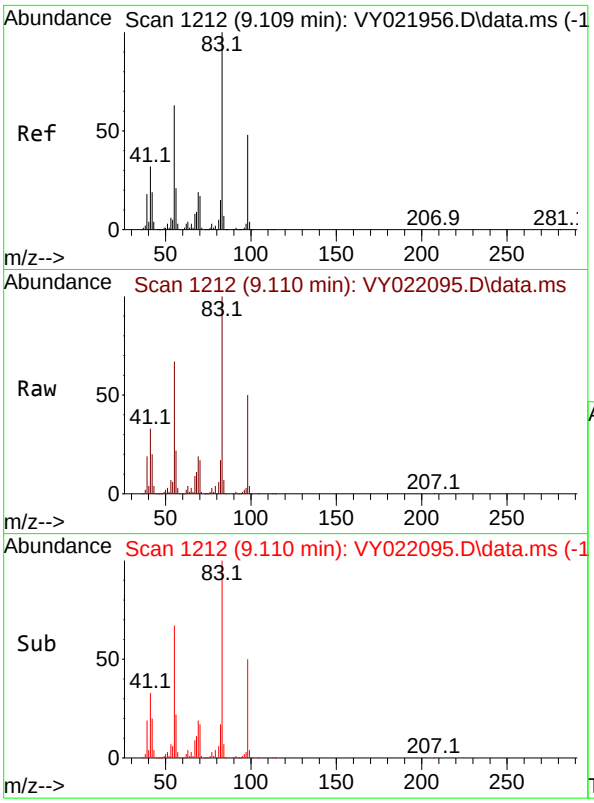


#38
Carbon Tetrachloride
Concen: 49.824 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:117 Resp: 229097

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.4
121	30.0	24.0	36.0



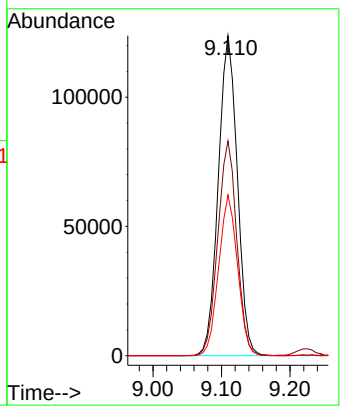


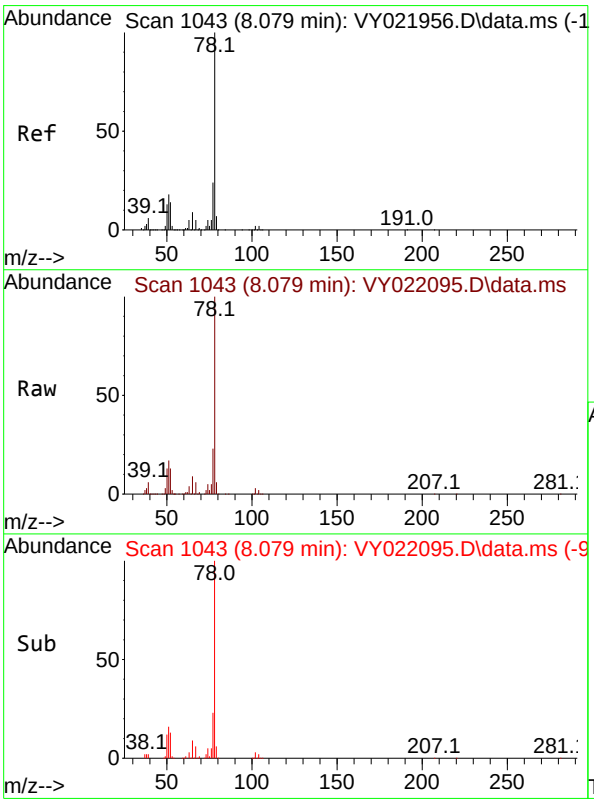
#39
Methylcyclohexane
Concen: 49.231 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 238404

Ion	Ratio	Lower	Upper
83	100		
55	67.1	50.6	75.8
98	50.2	38.6	58.0

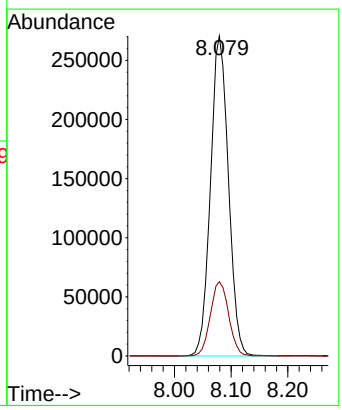


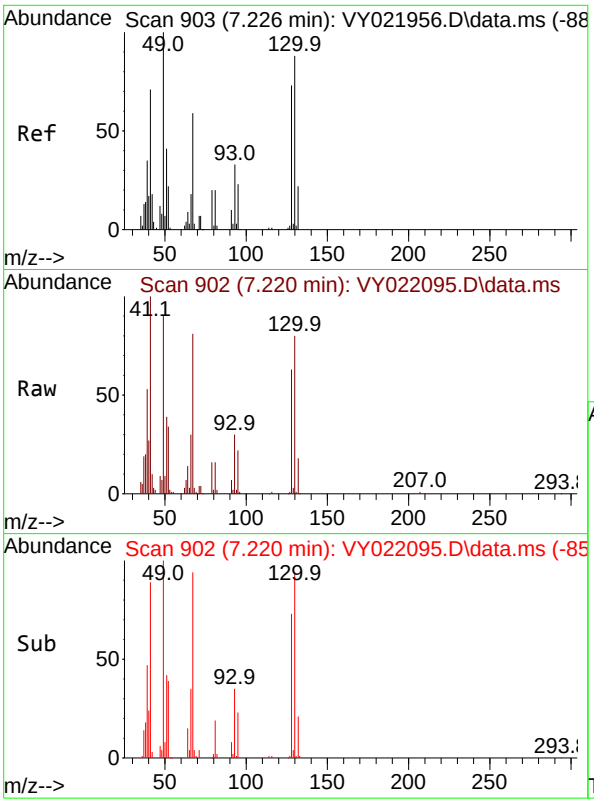


#40
Benzene
Concen: 49.378 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 78 Resp: 593961

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9



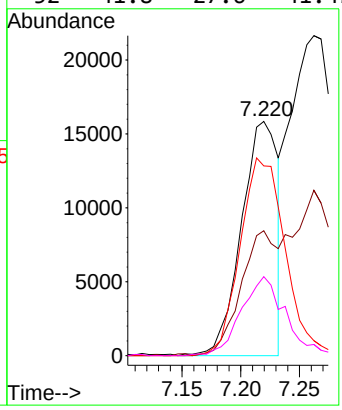


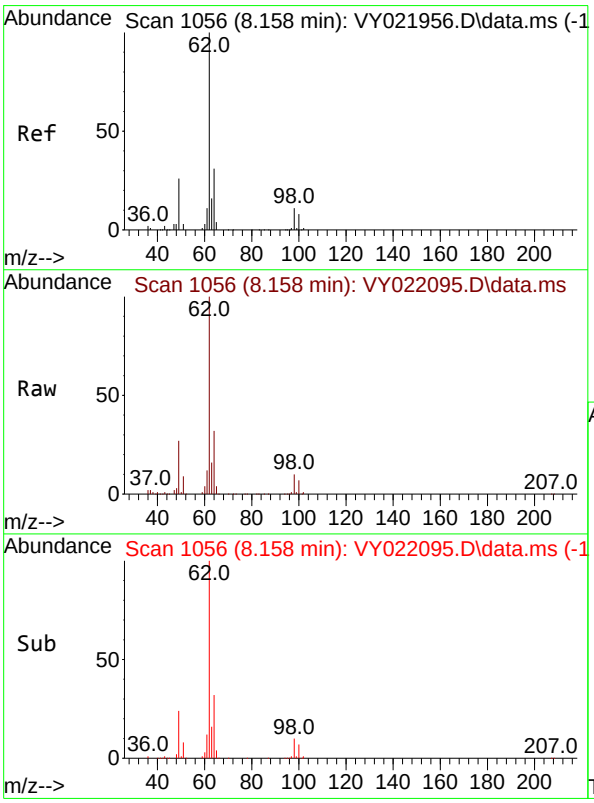
#41
Methacrylonitrile
Concen: 45.180 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 34133

Ion	Ratio	Lower	Upper
41	100		
39	53.5	36.6	55.0
67	105.7	72.2	108.4
52	41.8	27.6	41.4#

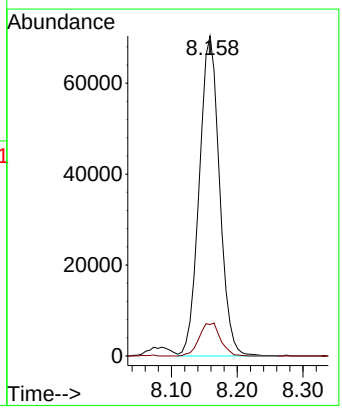


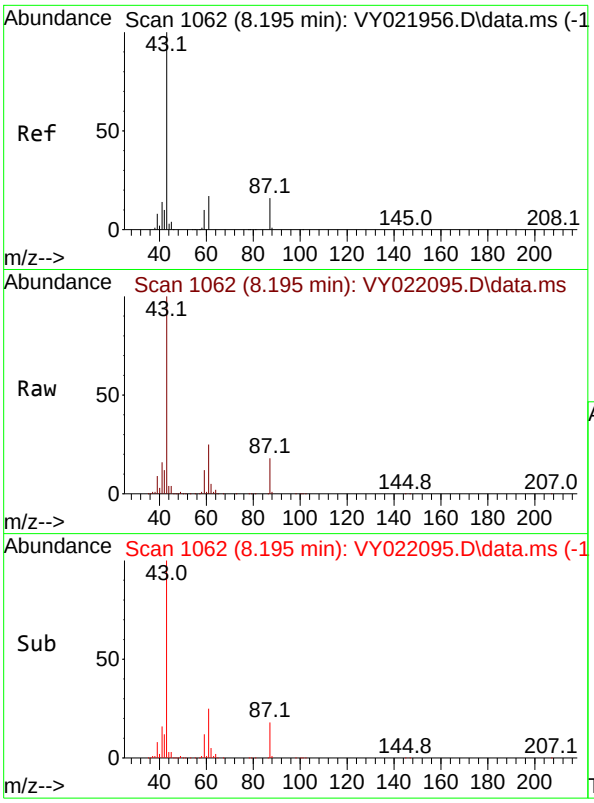


#42
1,2-Dichloroethane
Concen: 50.652 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 62 Resp: 150849

Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



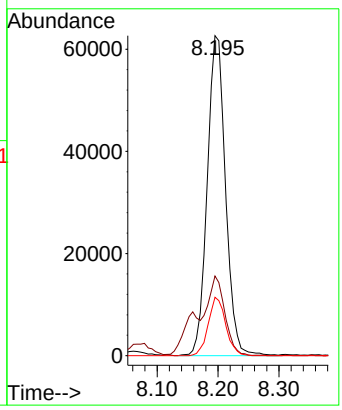


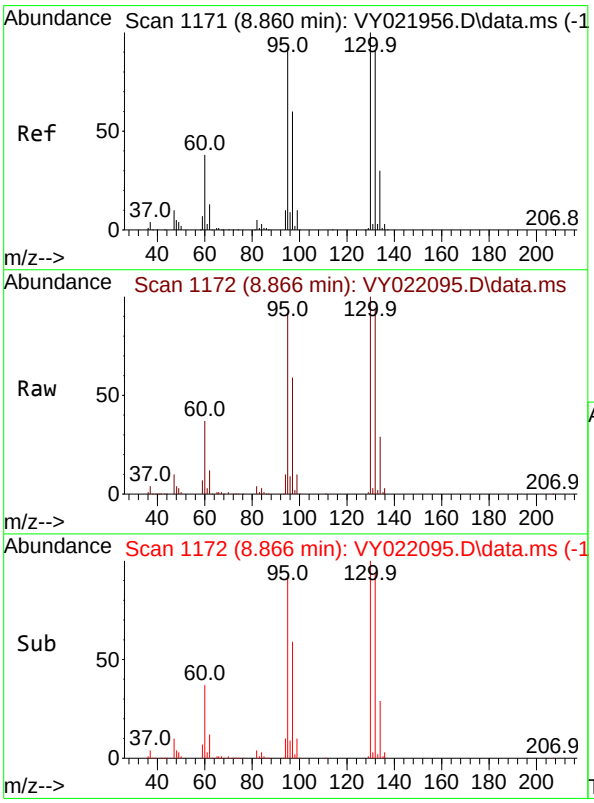
#43
Isopropyl Acetate
Concen: 49.331 ug/l
RT: 8.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 130927

Ion	Ratio	Lower	Upper
43	100		
61	23.9	18.9	28.3
87	17.4	13.7	20.5

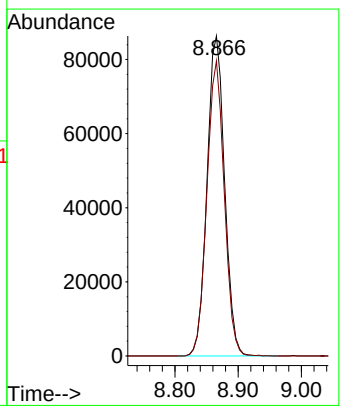


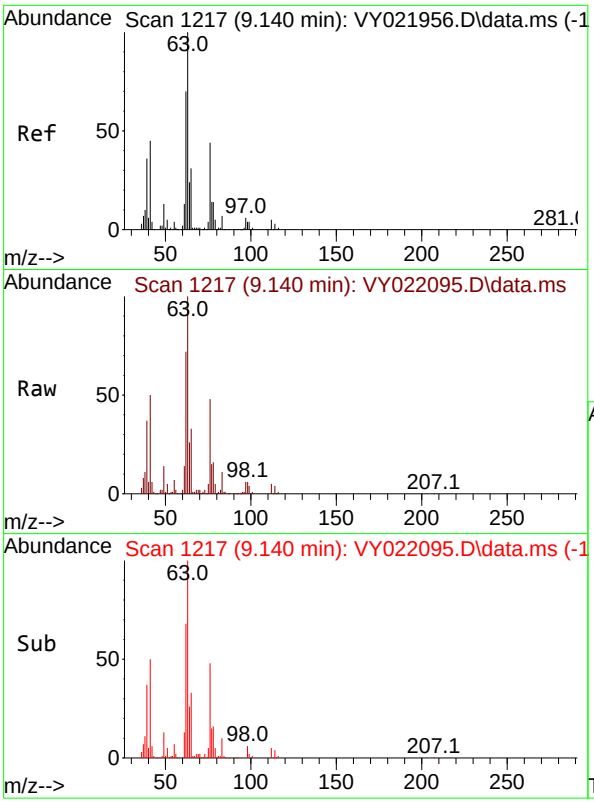


#44
Trichloroethene
Concen: 50.105 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:130 Resp: 166940

Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	183.2



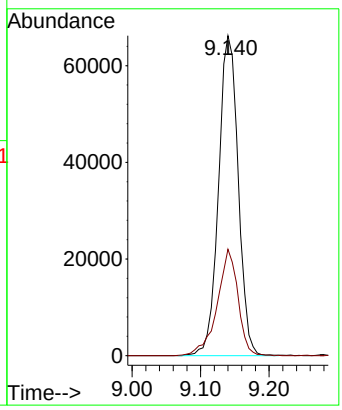


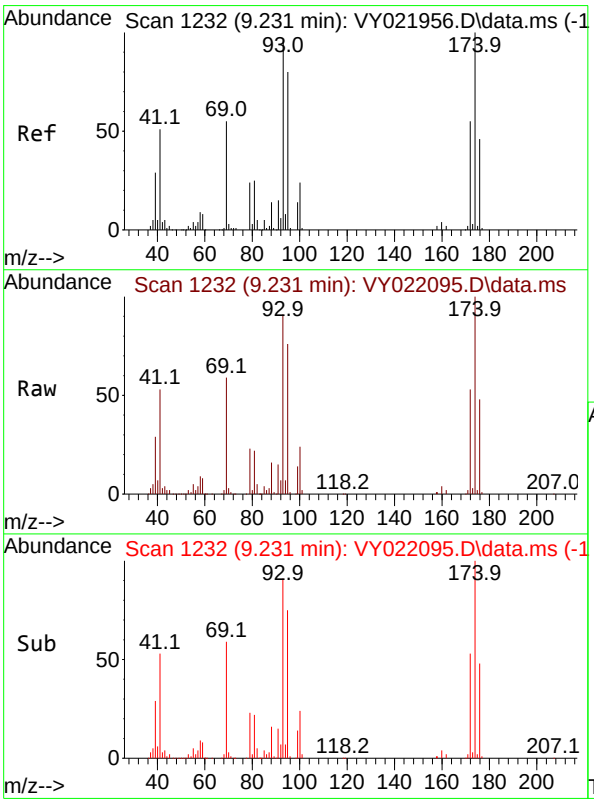
#45
1,2-Dichloropropane
Concen: 49.528 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 131749

Ion	Ratio	Lower	Upper
63	100		
65	33.2	25.2	37.8

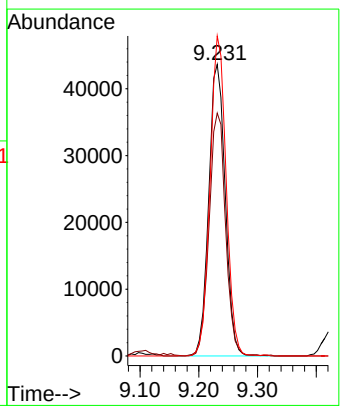


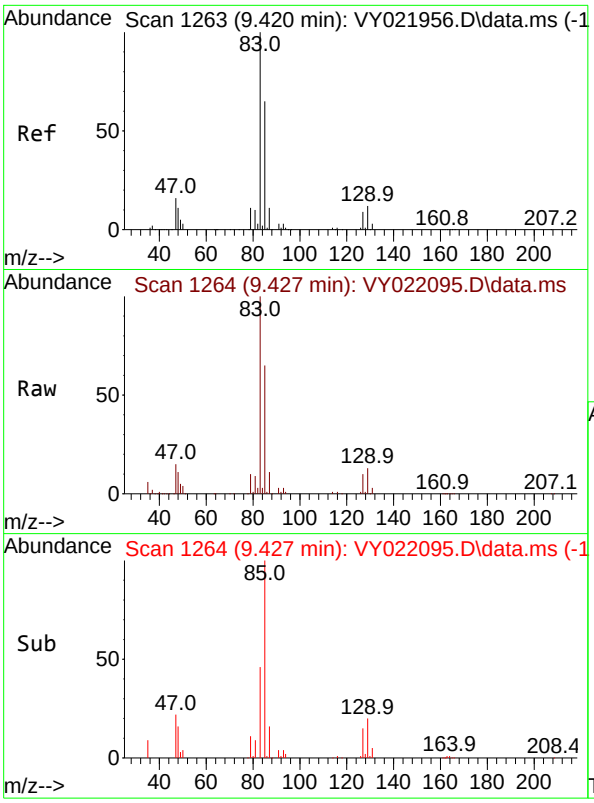


#46
Dibromomethane
Concen: 51.032 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 93 Resp: 84979

Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.7	100.1
174	107.2	84.6	127.0



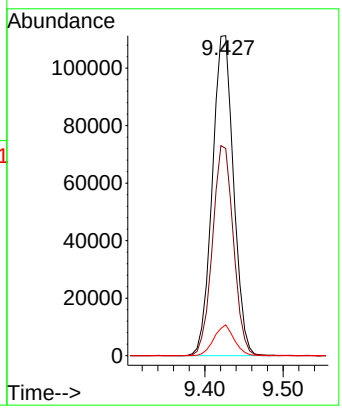


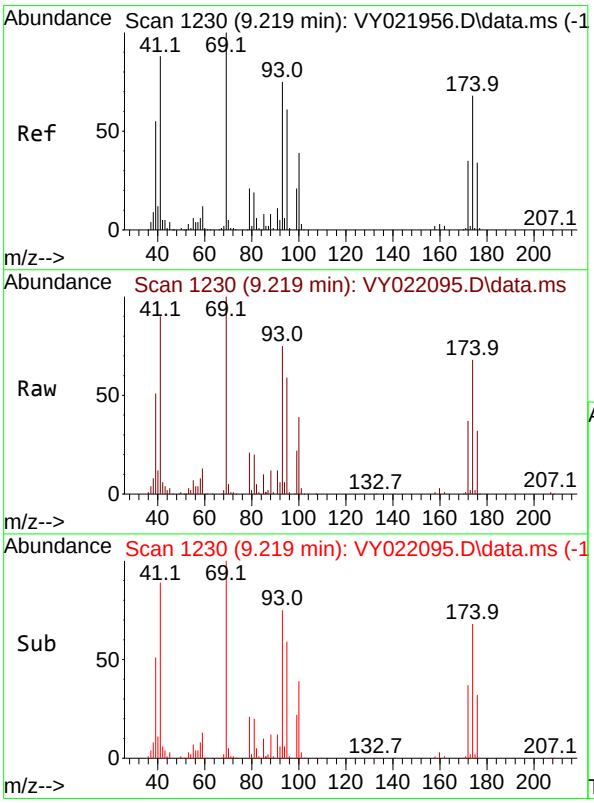
#47
Bromodichloromethane
Concen: 50.411 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 209708

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	9.7	7.0	10.6

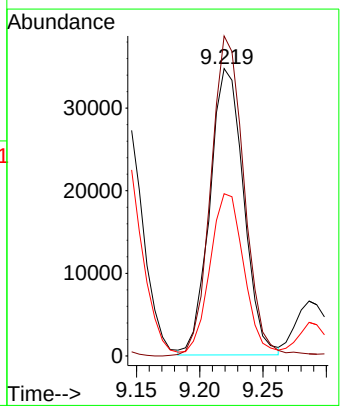


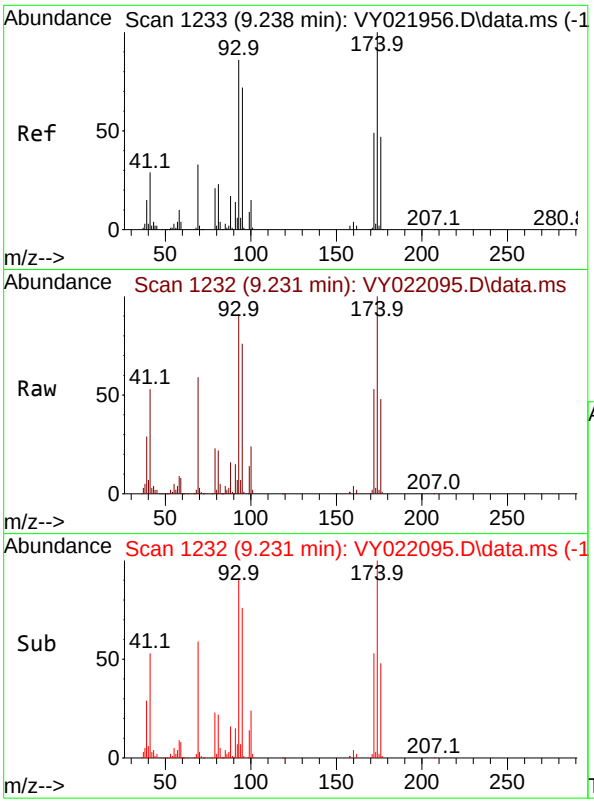


#48
Methyl methacrylate
Concen: 52.563 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 41 Resp: 64491

Ion	Ratio	Lower	Upper
41	100		
69	109.9	85.5	128.3
39	54.7	46.2	69.4



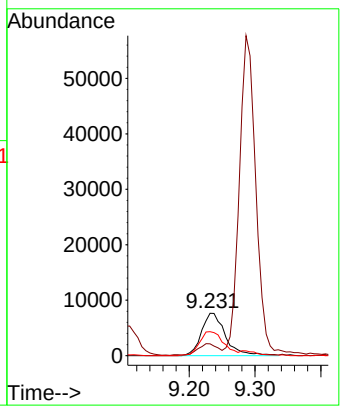


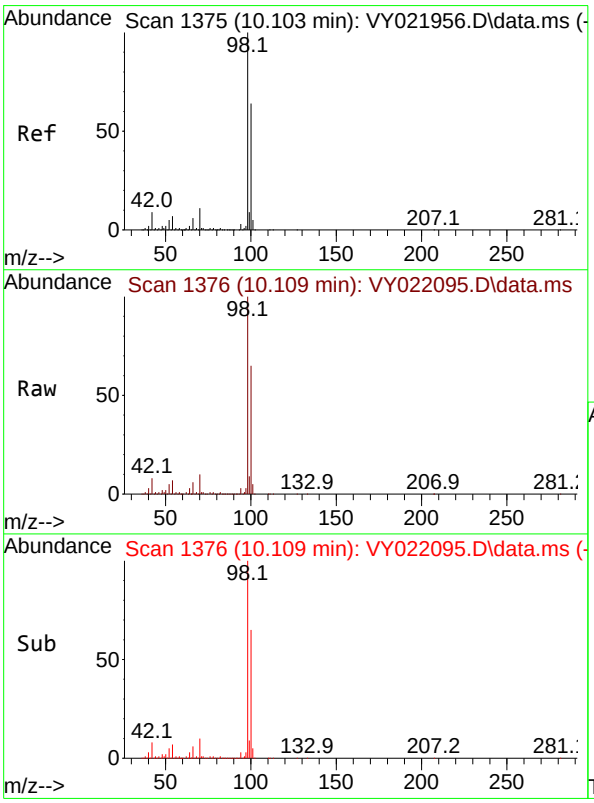
#49
1,4-Dioxane
Concen: 1098.297 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 19493

Ion	Ratio	Lower	Upper
88	100		
43	21.4	21.3	31.9
58	56.4	50.5	75.7

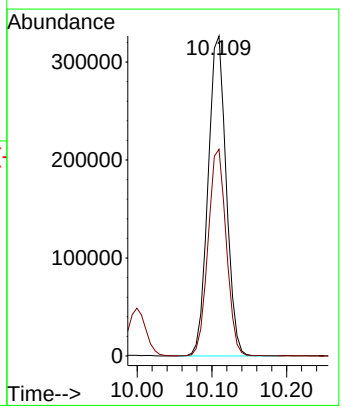


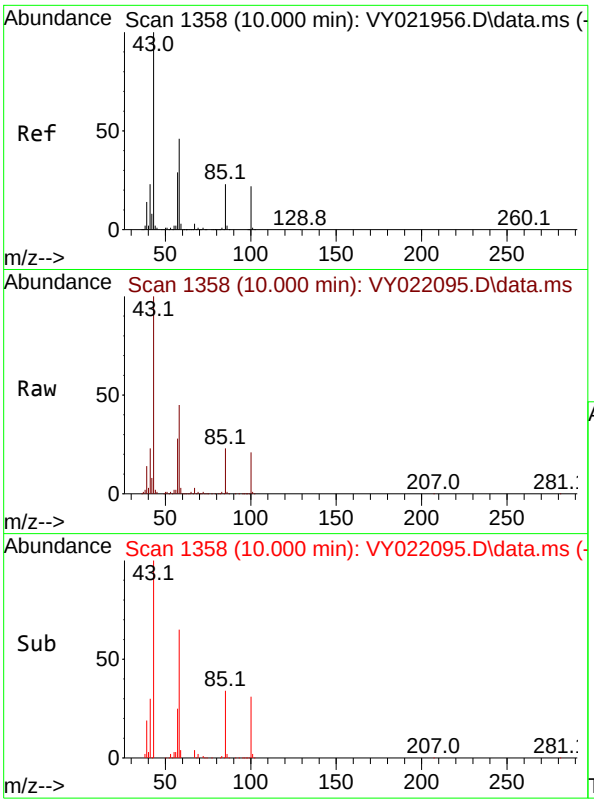


#50
Toluene-d8
Concen: 50.988 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 98 Resp: 550662

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.6	77.4



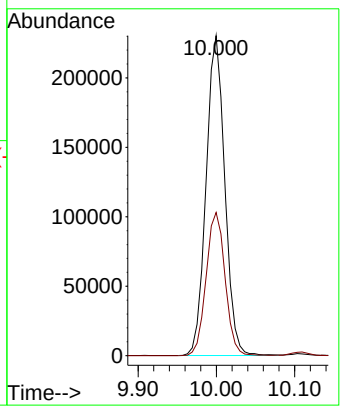


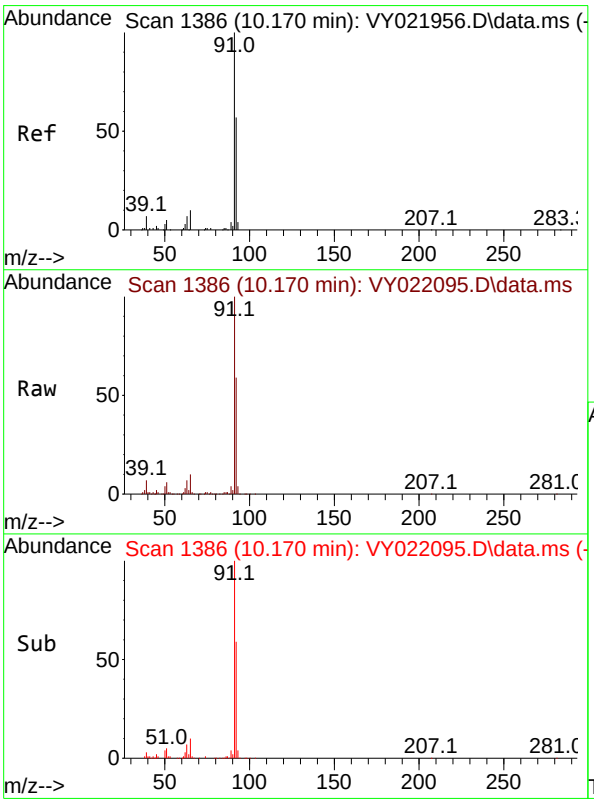
#51
4-Methyl-2-Pentanone
Concen: 274.117 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 381378

Ion	Ratio	Lower	Upper
43	100		
58	45.5	36.6	55.0

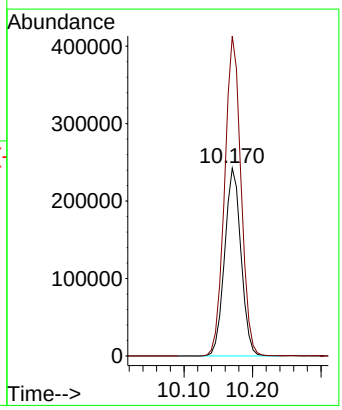


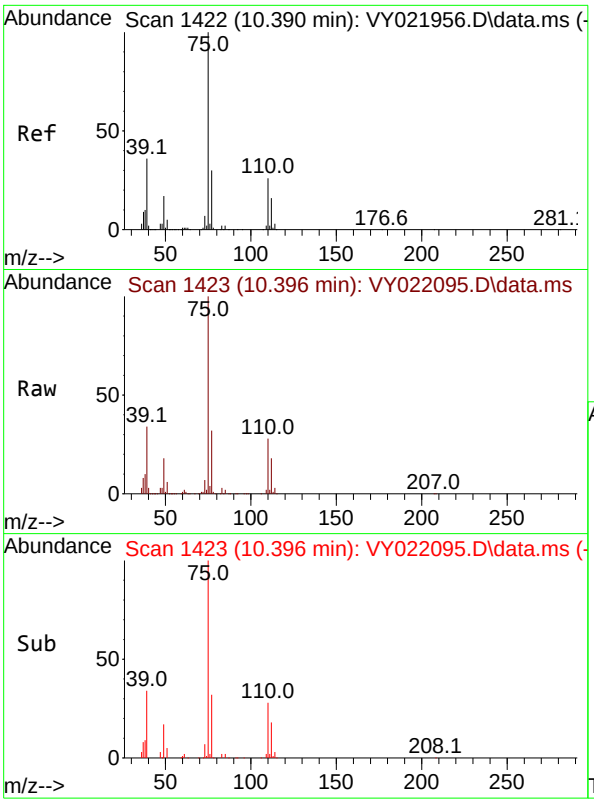


#52
Toluene
Concen: 51.517 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 92 Resp: 401133

Ion	Ratio	Lower	Upper
92	100		
91	170.4	138.6	207.8



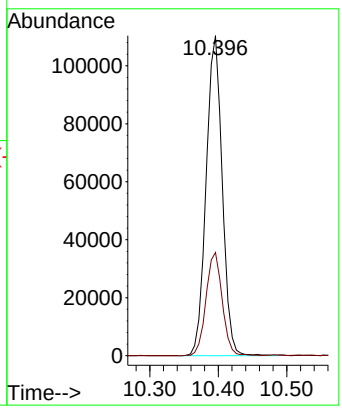


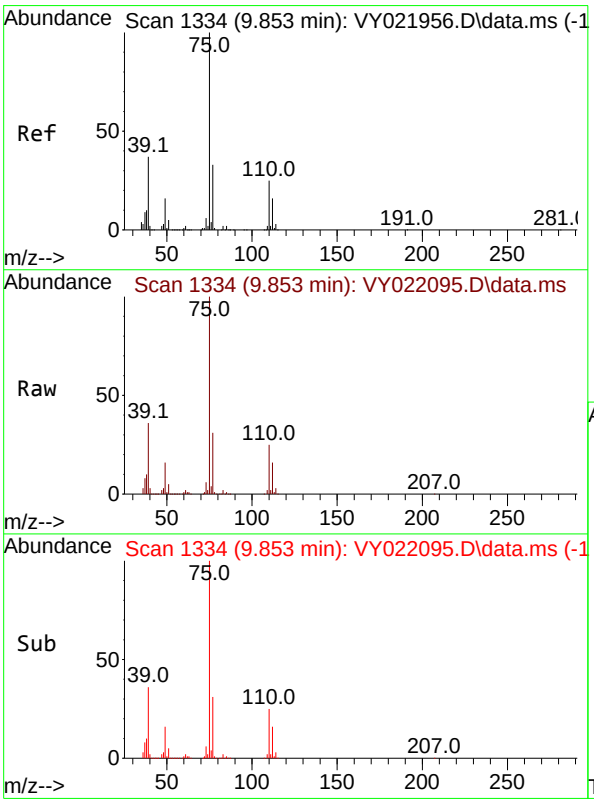
#53
t-1,3-Dichloropropene
Concen: 50.528 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 180292

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.0	36.0

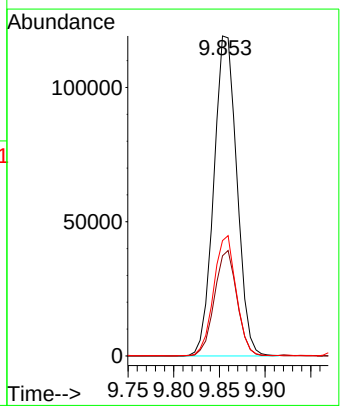


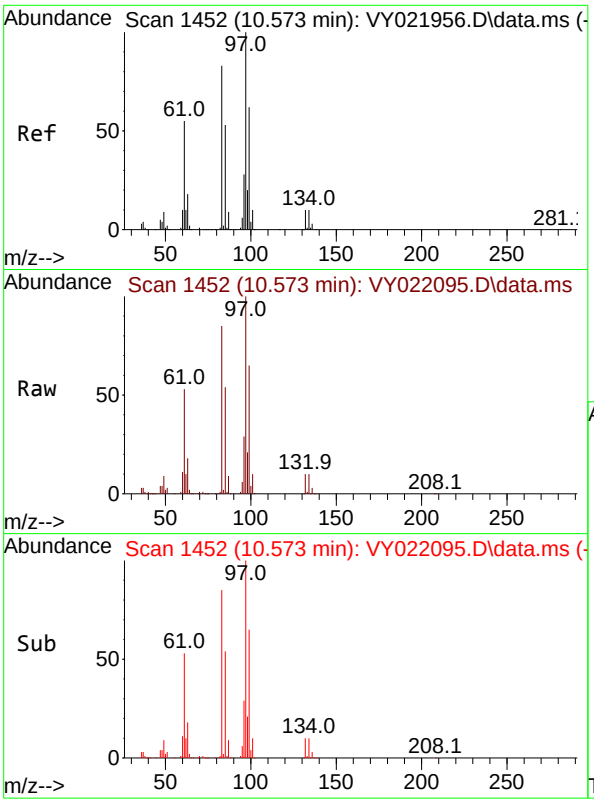


#54
cis-1,3-Dichloropropene
Concen: 49.447 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 209730

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.6	40.0
39	35.9	29.6	44.4



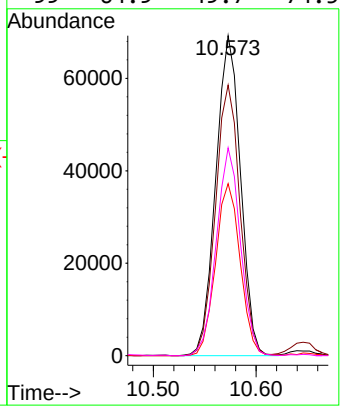


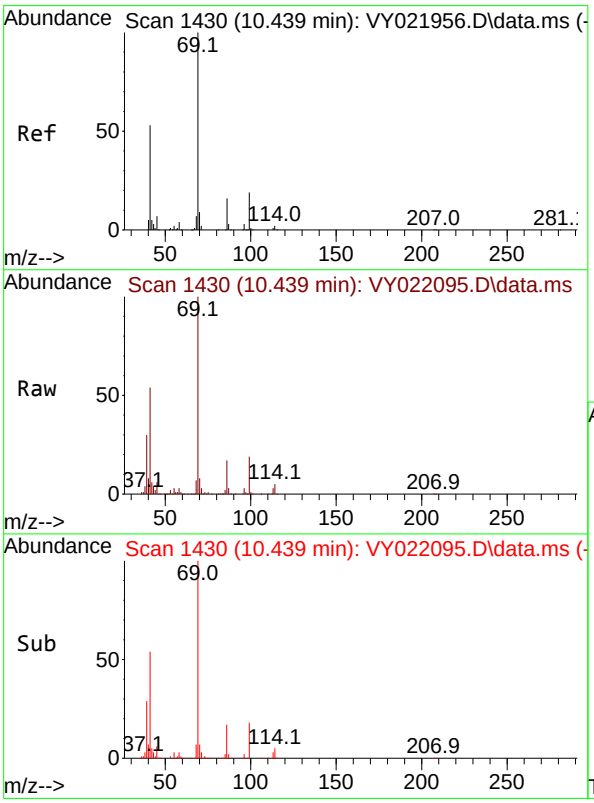
#55
1,1,2-Trichloroethane
Concen: 52.135 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 115966

Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.7	100.1
85	53.7	42.6	64.0
99	64.9	49.7	74.5

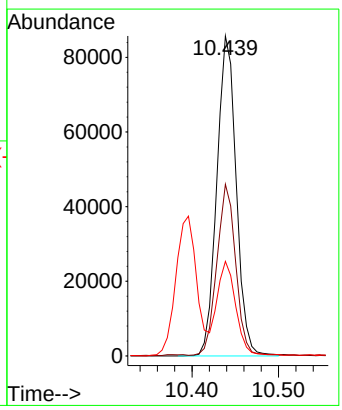


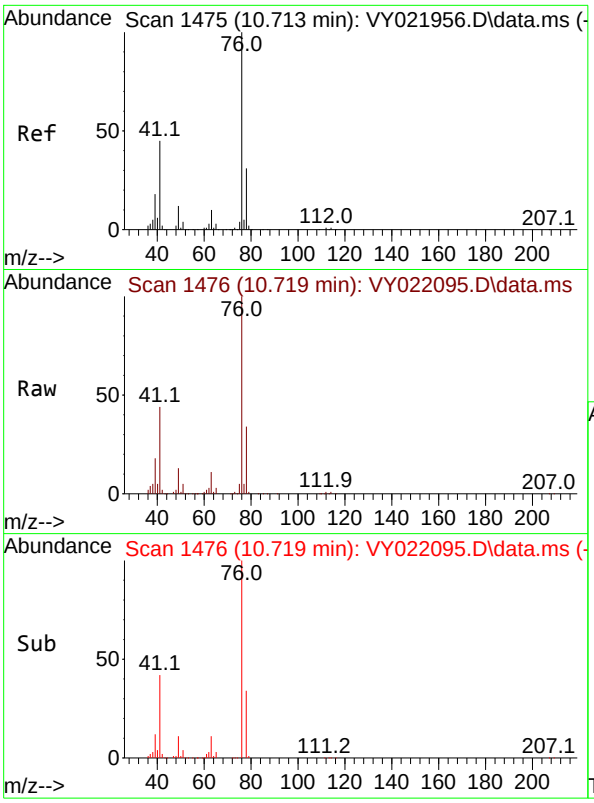


#56
Ethyl methacrylate
Concen: 52.343 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 69 Resp: 133143

Ion	Ratio	Lower	Upper
69	100		
41	52.0	40.7	61.1
39	27.9	23.3	34.9



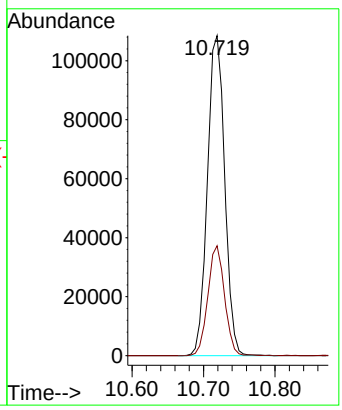


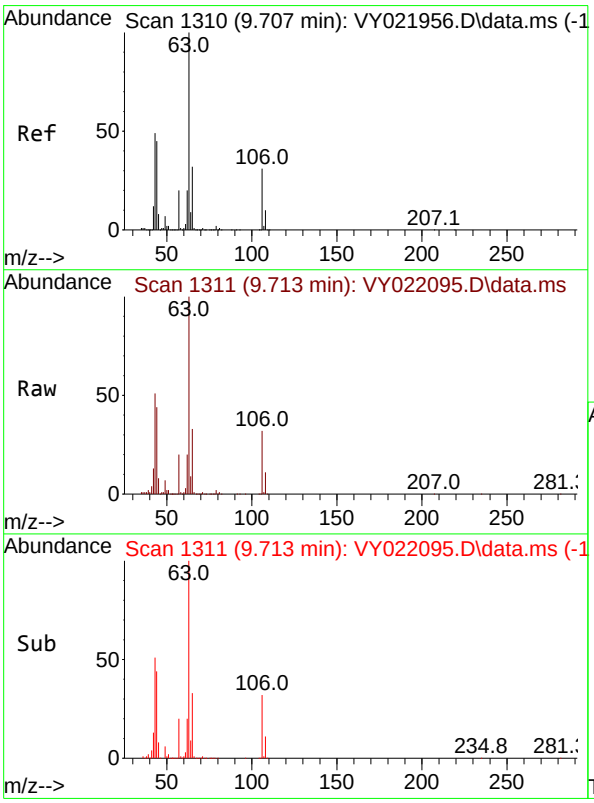
#57
1,3-Dichloropropane
Concen: 51.135 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 182342

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.6	39.8

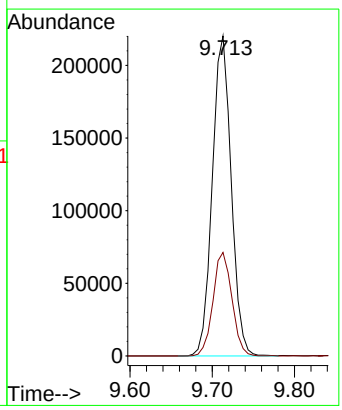


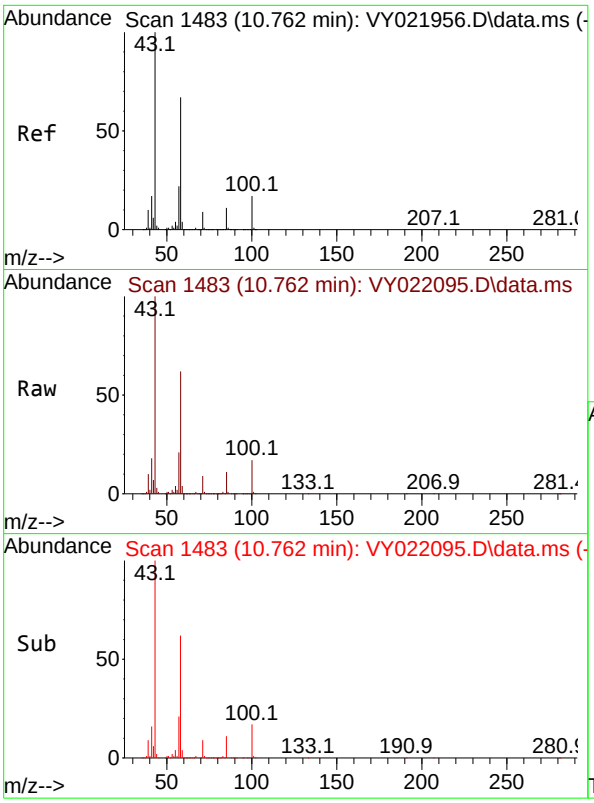


#58
2-Chloroethyl Vinyl ether
Concen: 282.693 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 63 Resp: 351579

Ion	Ratio	Lower	Upper
63	100		
106	32.4	25.3	37.9



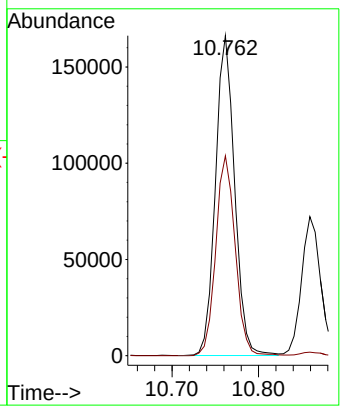


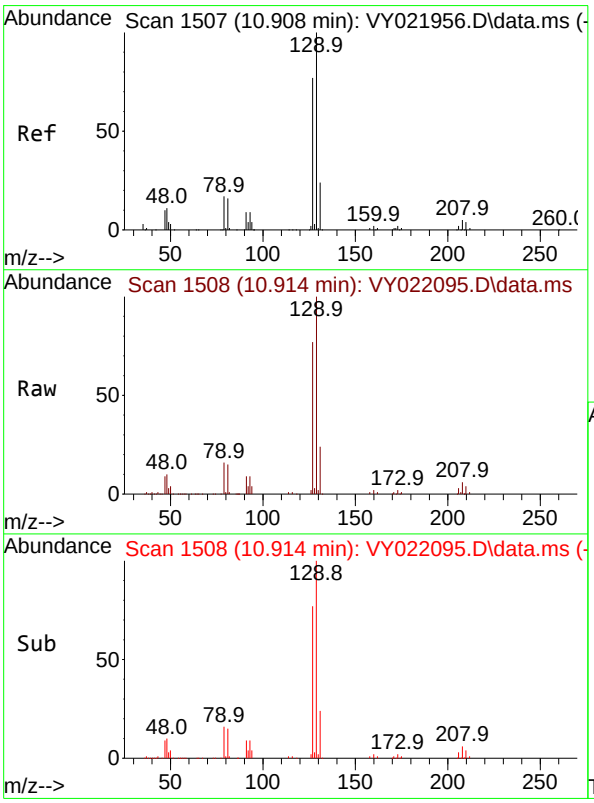
#59
2-Hexanone
Concen: 278.311 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 255399

Ion	Ratio	Lower	Upper
43	100		
58	63.3	32.0	96.0

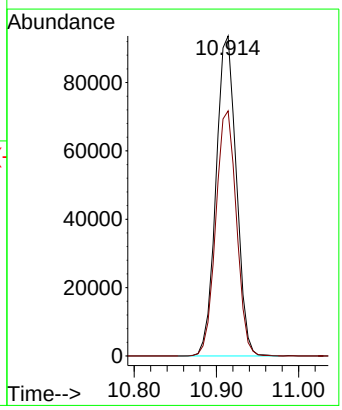


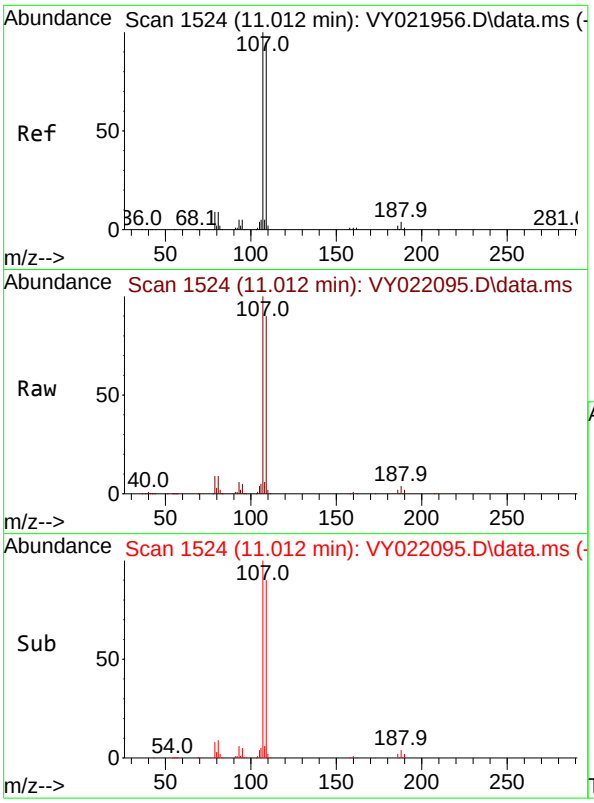


#60
Dibromochloromethane
Concen: 52.183 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:129 Resp: 160702

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.3



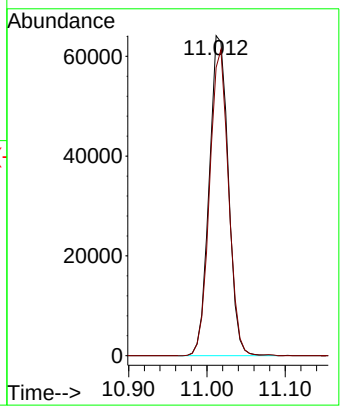


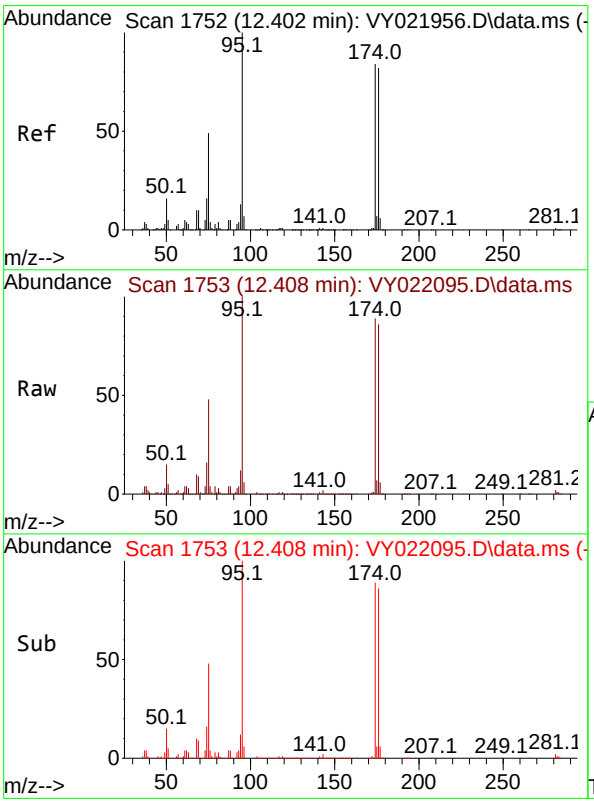
#61
1,2-Dibromoethane
Concen: 51.771 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 108715

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.8	113.8

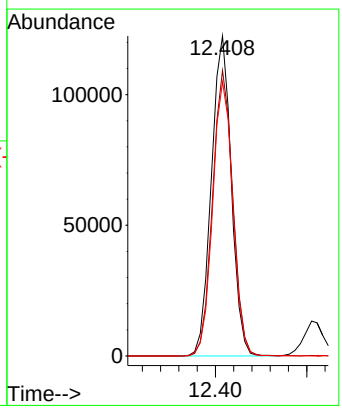


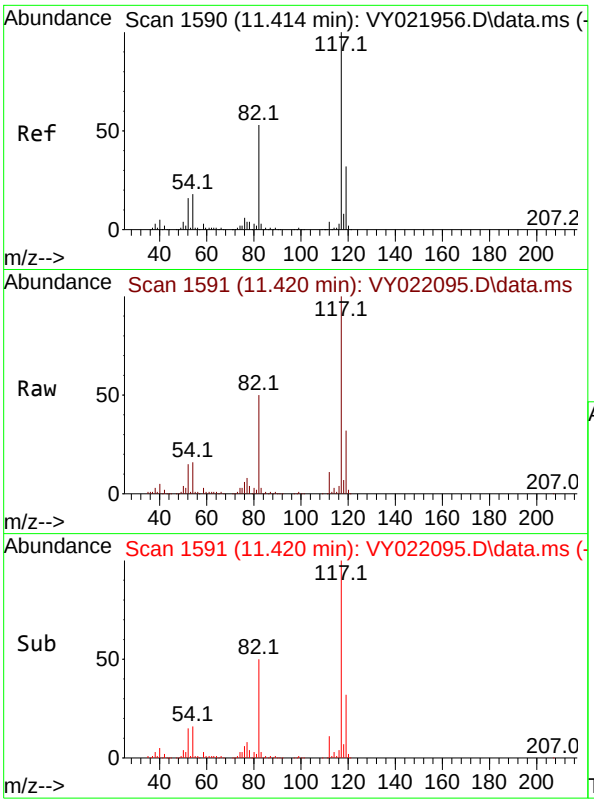


#62
4-Bromofluorobenzene
Concen: 50.971 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 95 Resp: 185315

Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	179.0
176	87.0	0.0	171.8



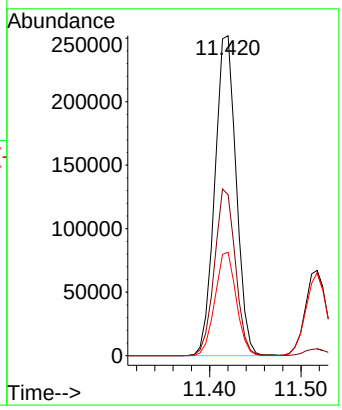


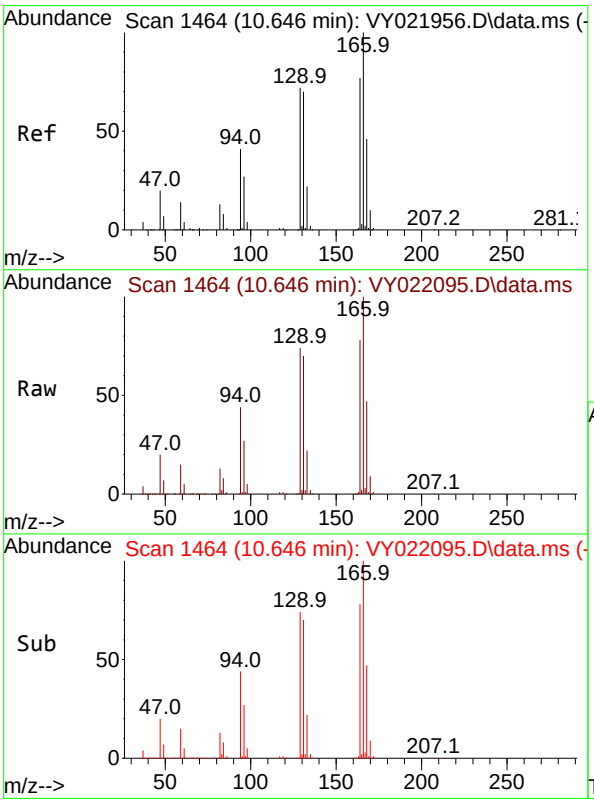
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 410078

Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.1	63.1
119	32.4	25.7	38.5

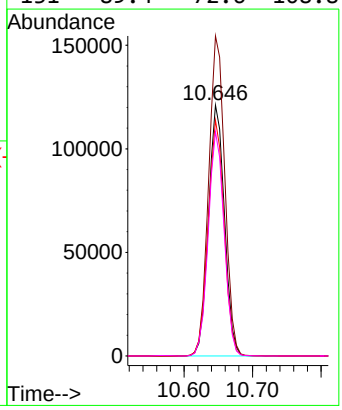


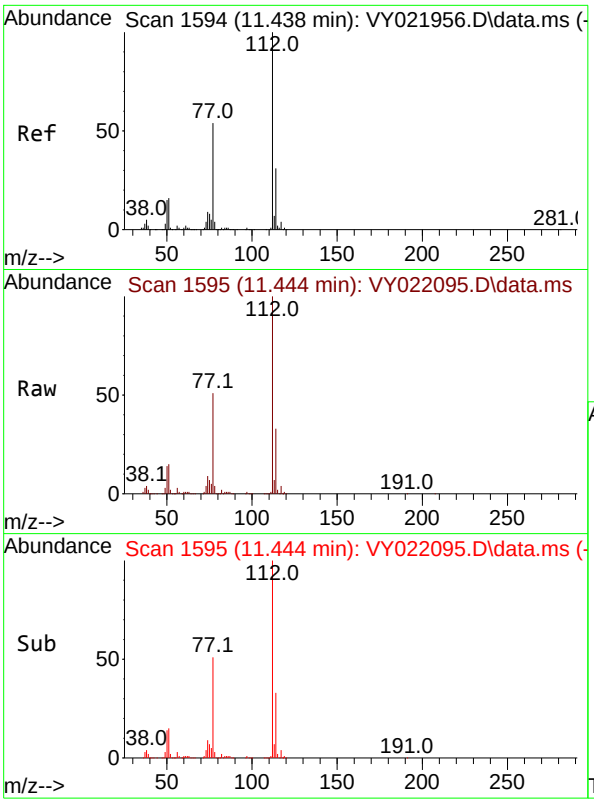


#64
Tetrachloroethene
Concen: 51.010 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:164 Resp: 197335

Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.6	155.4
129	94.0	74.2	111.4
131	89.4	72.6	108.8



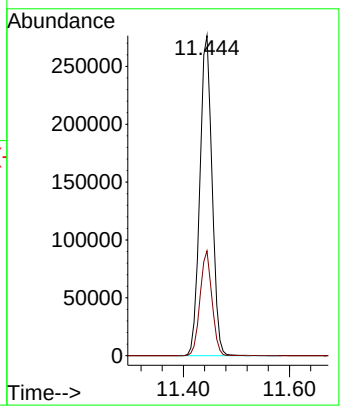


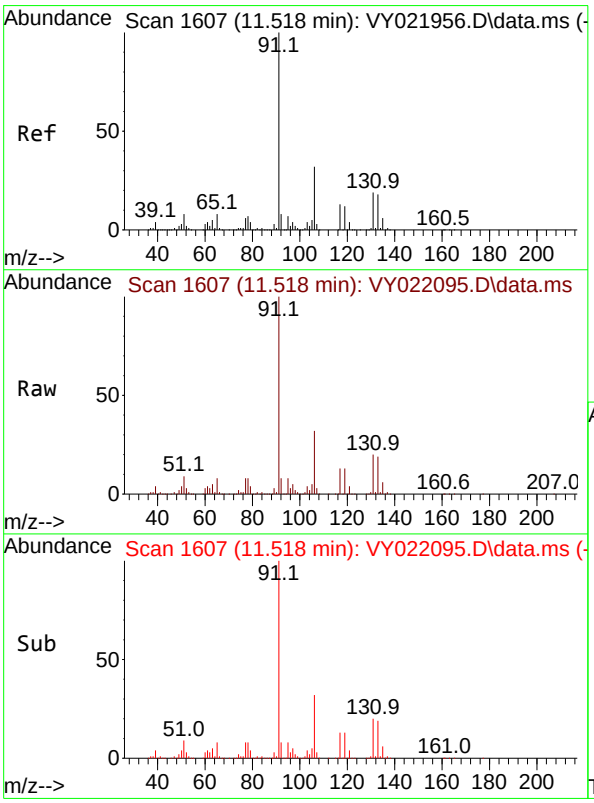
#65
Chlorobenzene
Concen: 48.212 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 442124

Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.0	37.4

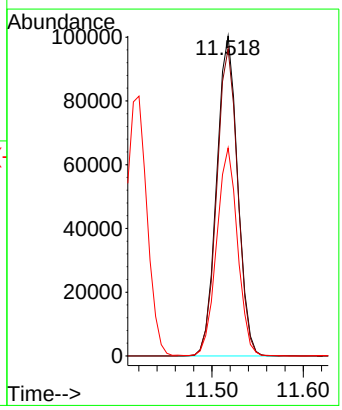


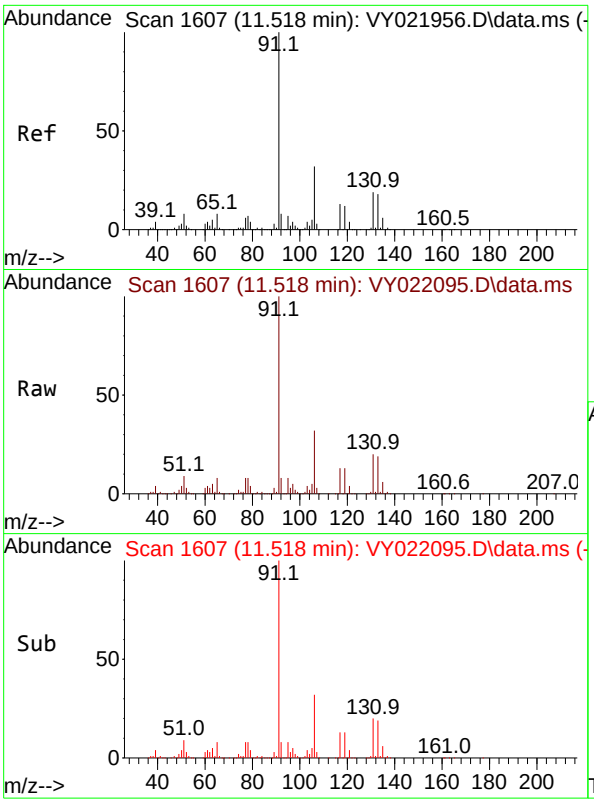


#66
1,1,1,2-Tetrachloroethane
Concen: 49.657 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:131 Resp: 160317

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	64.8	32.4	97.0



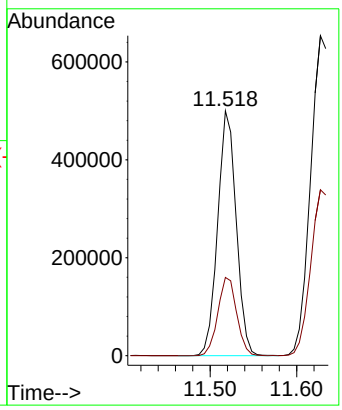


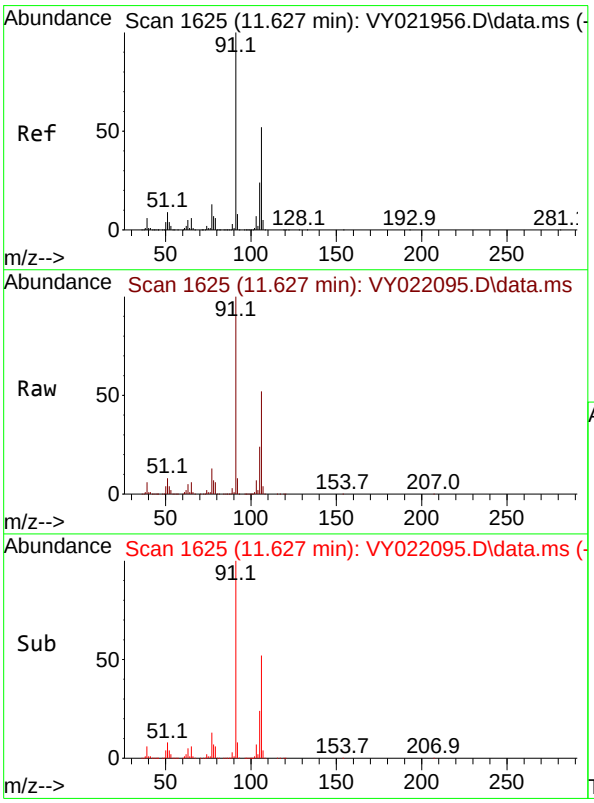
#67
Ethyl Benzene
Concen: 49.517 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 742816

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.9	38.9

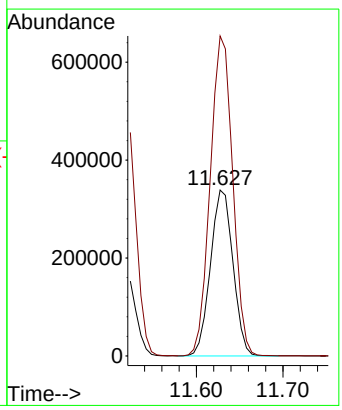


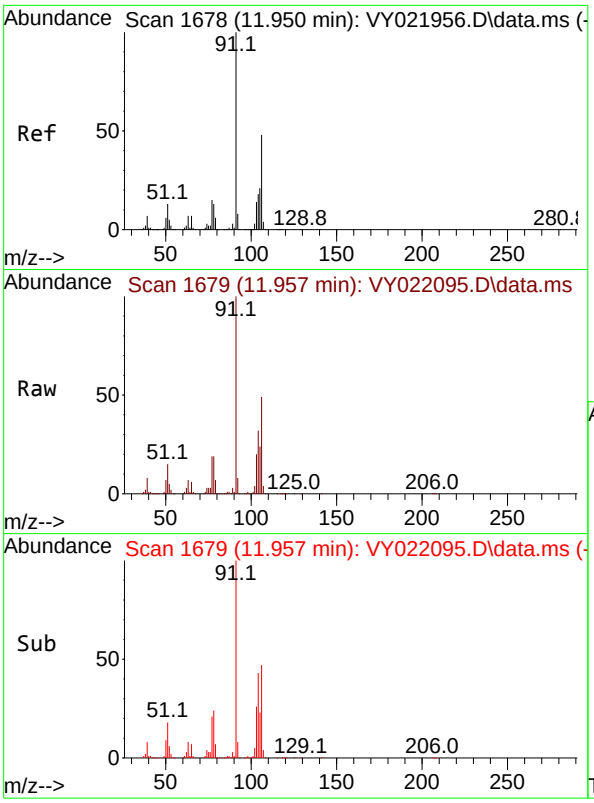


#68
m/p-Xylenes
Concen: 102.352 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:106 Resp: 610976

Ion	Ratio	Lower	Upper
106	100		
91	193.1	156.2	234.2



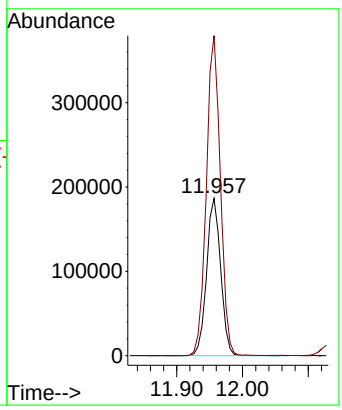


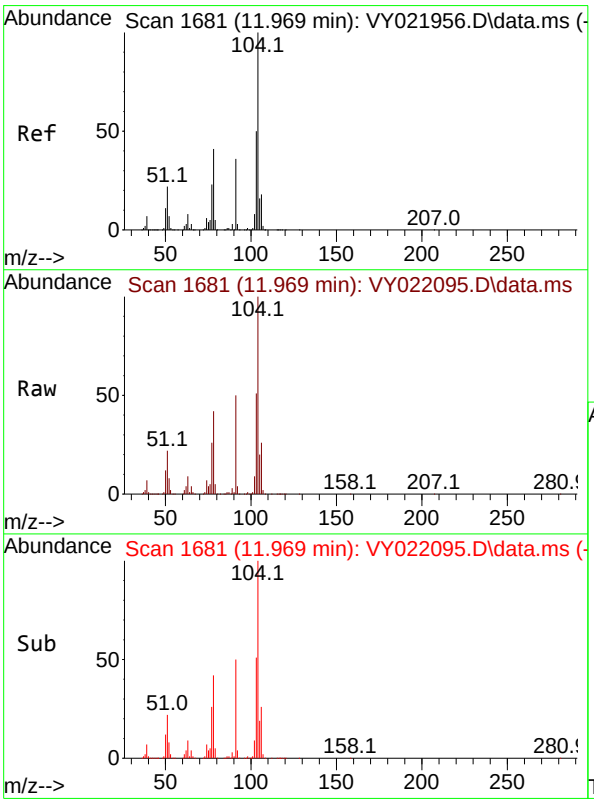
#69
o-Xylene
Concen: 50.386 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 277219

Ion	Ratio	Lower	Upper
106	100		
91	202.9	103.0	308.9

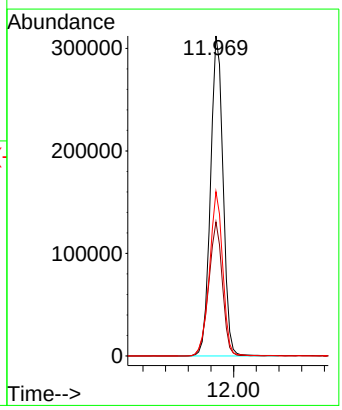


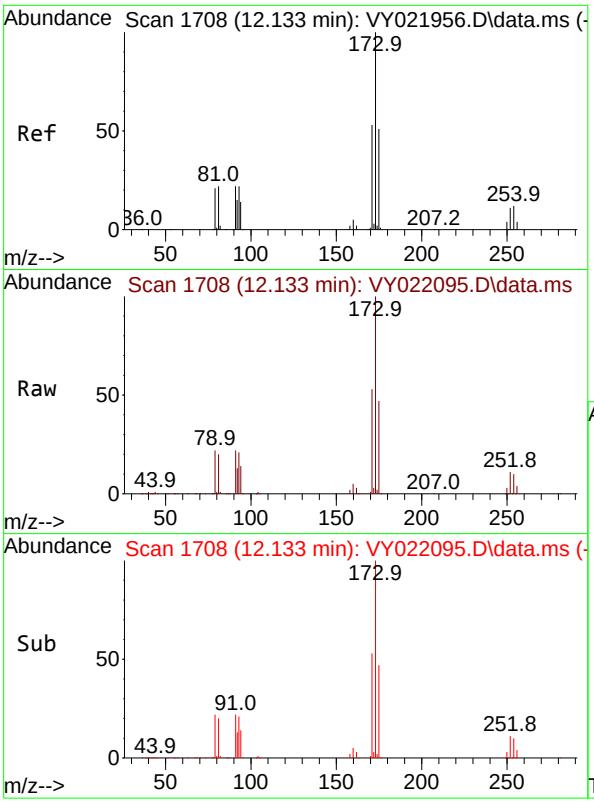


#70
Styrene
Concen: 52.004 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:104 Resp: 480407

Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.6	54.8
103	54.2	43.8	65.8



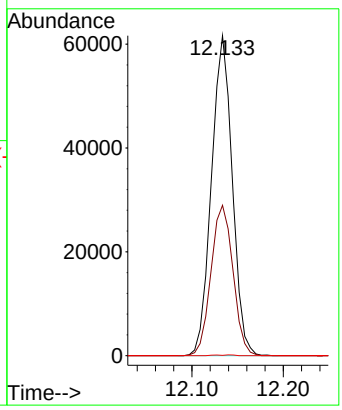


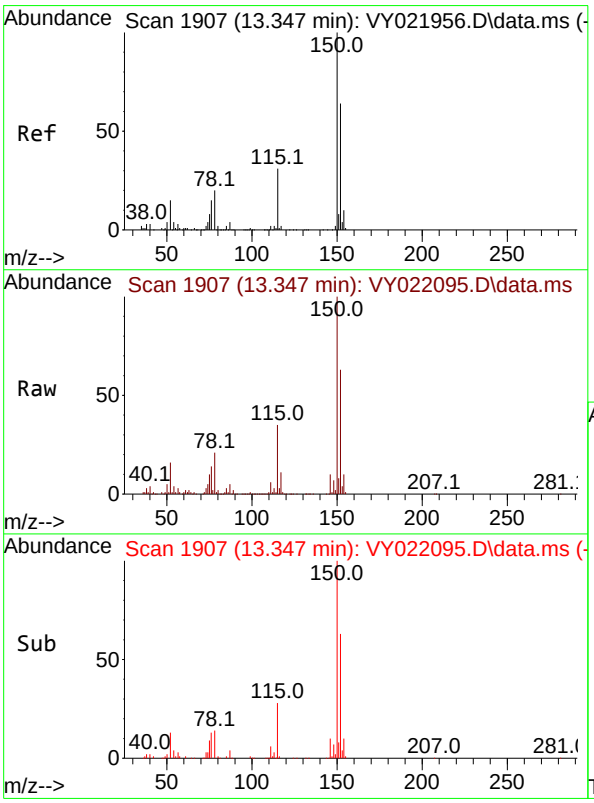
#71
Bromoform
Concen: 51.974 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 97556

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.8
254	0.2	0.0	0.0#

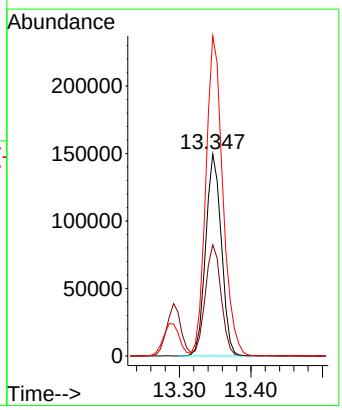


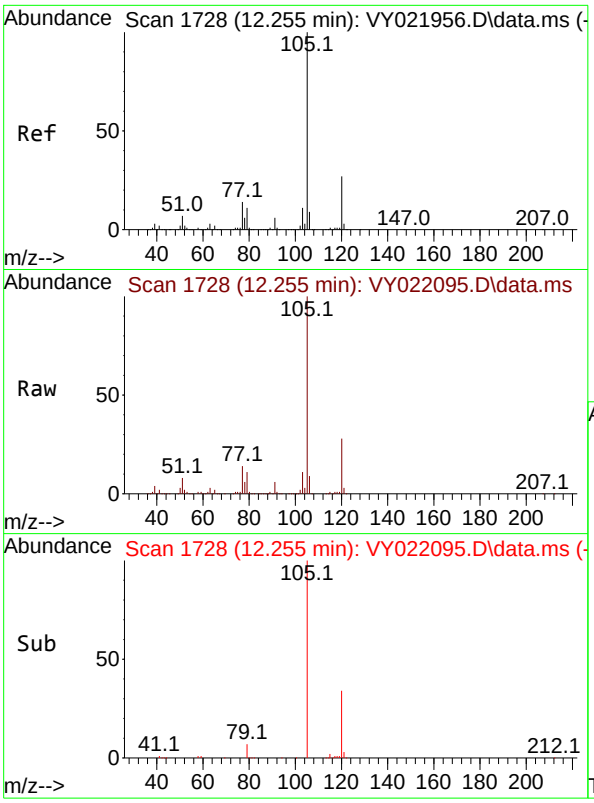


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:152 Resp: 227184

Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	172.1	0.0	345.6



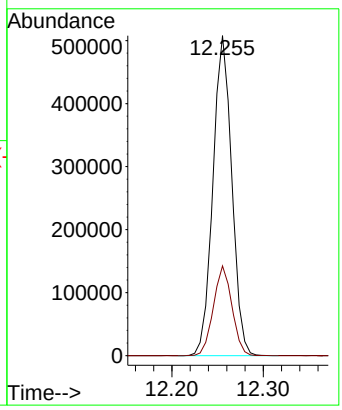


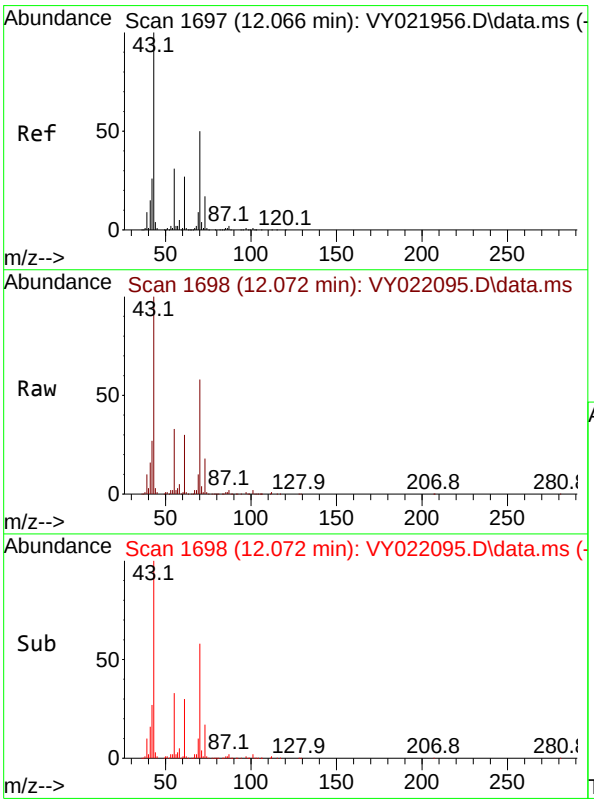
#73
Isopropylbenzene
Concen: 47.953 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 727842

Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.5

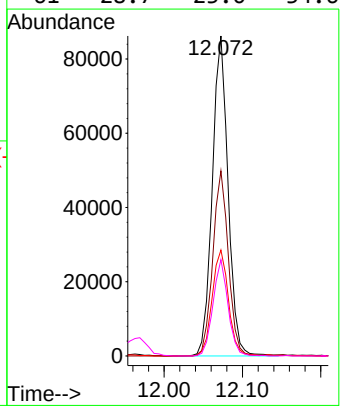


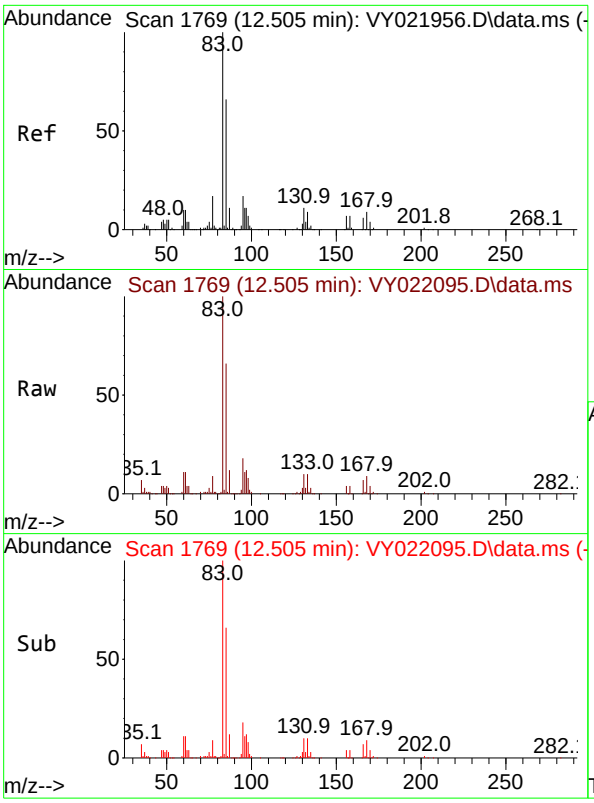


#74
N-amyl acetate
Concen: 46.314 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 43 Resp: 120776

Ion	Ratio	Lower	Upper
43	100		
70	56.9	43.2	64.8
55	34.3	25.7	38.5
61	28.7	23.0	34.6



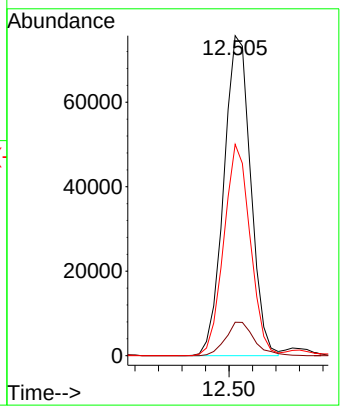


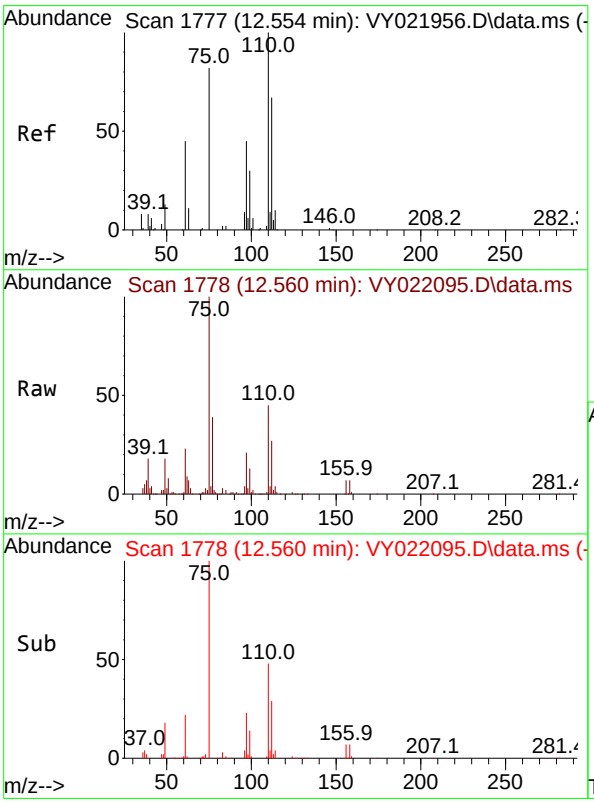
#75
1,1,2,2-Tetrachloroethane
Concen: 47.078 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 120473

Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	64.8	32.3	96.8

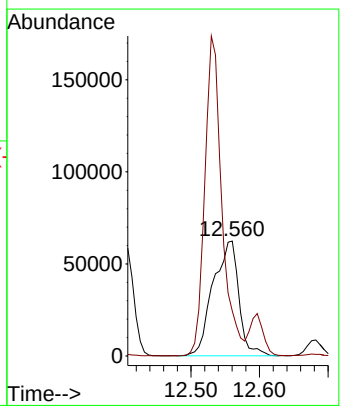


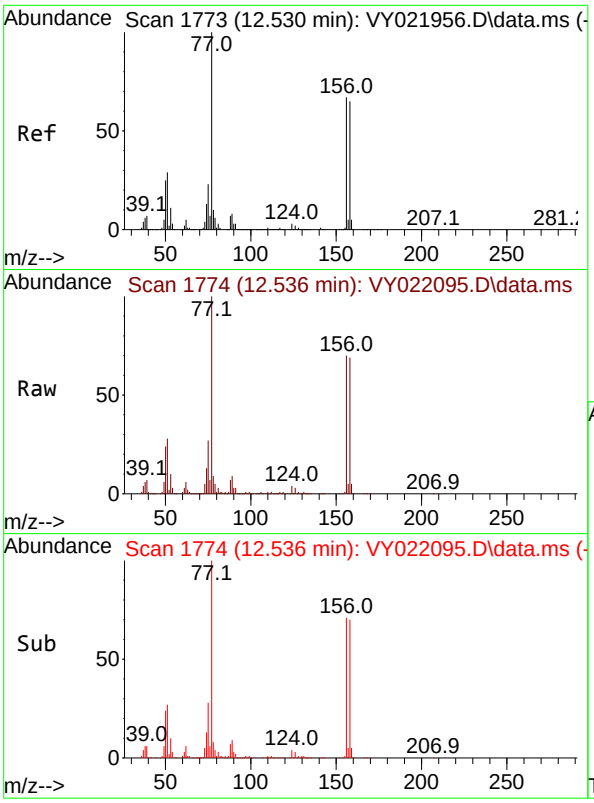


#76
1,2,3-Trichloropropane
Concen: 83.770 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 163011

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



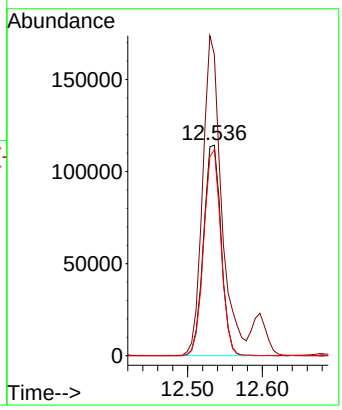


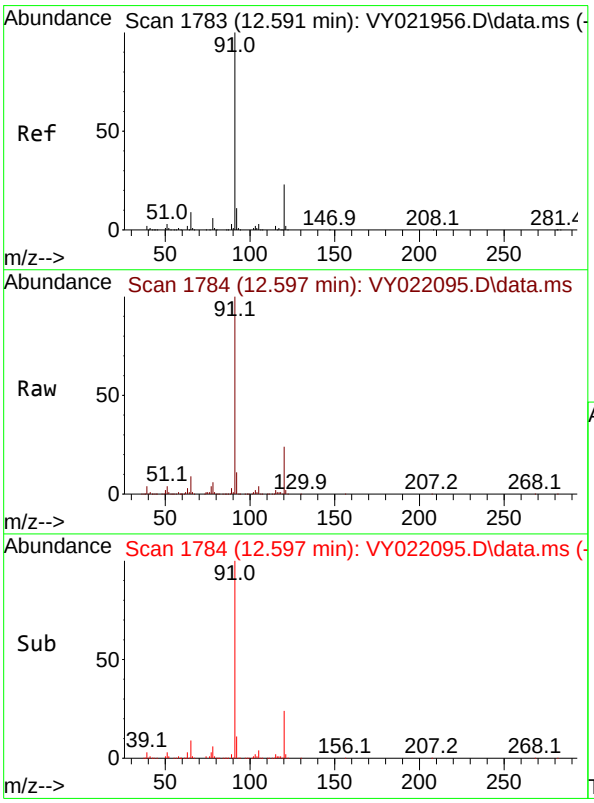
#77
Bromobenzene
Concen: 48.538 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 186160

Ion	Ratio	Lower	Upper
156	100		
77	162.8	82.7	248.1
158	96.0	48.1	144.4

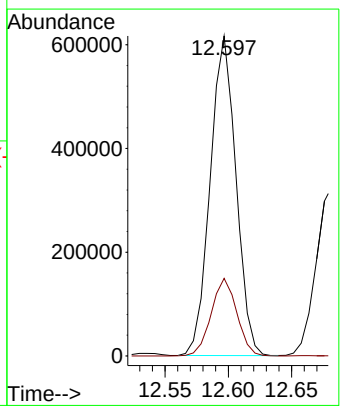


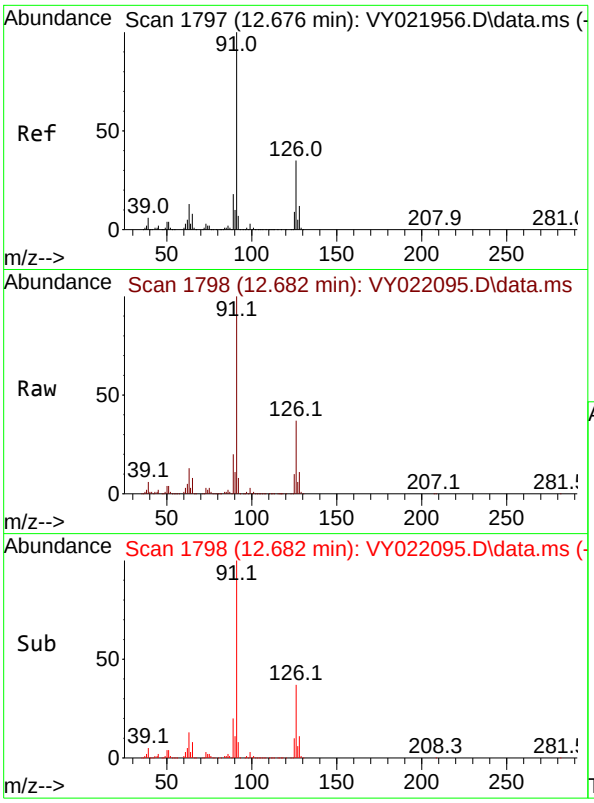


#78
n-propylbenzene
Concen: 48.382 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 91 Resp: 874536

Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.5



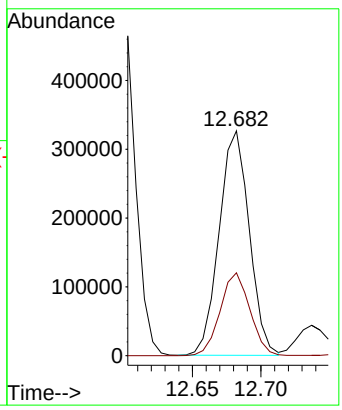


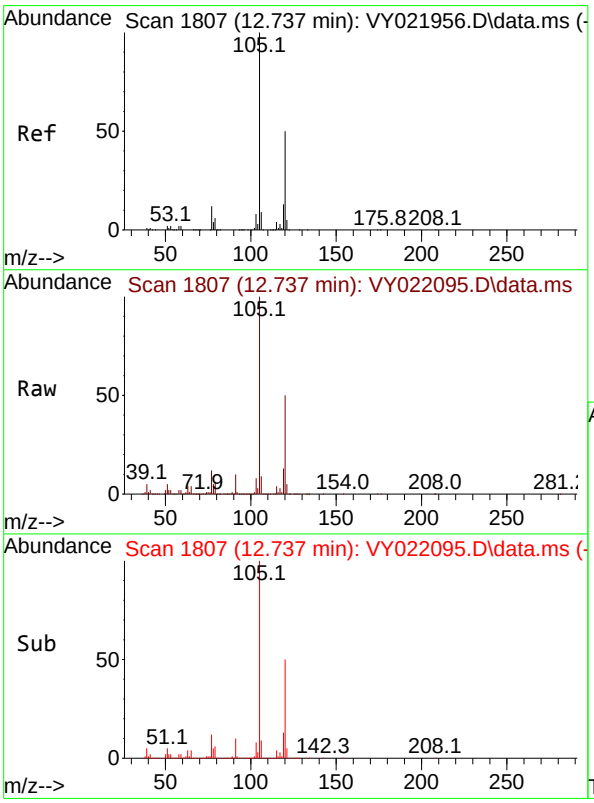
#79
2-Chlorotoluene
Concen: 47.417 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 498448

Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.8

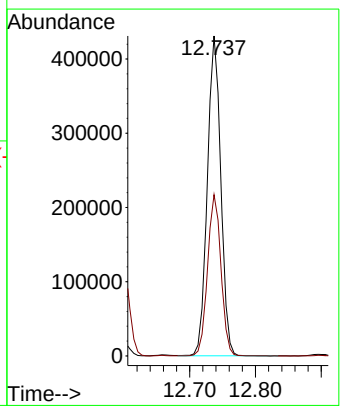


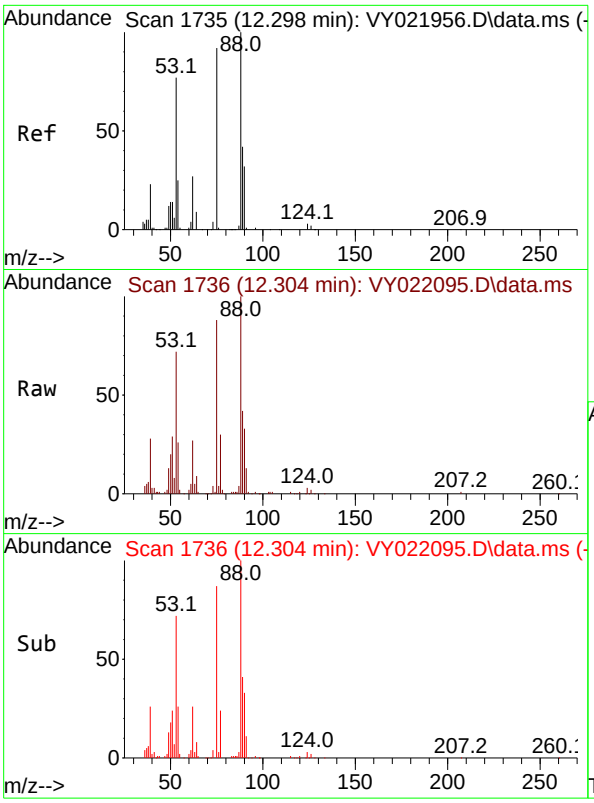


#80
1,3,5-Trimethylbenzene
Concen: 49.051 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:105 Resp: 613435

Ion	Ratio	Lower	Upper
105	100		
120	50.4	25.0	75.0



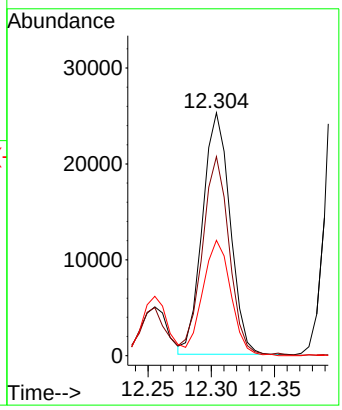


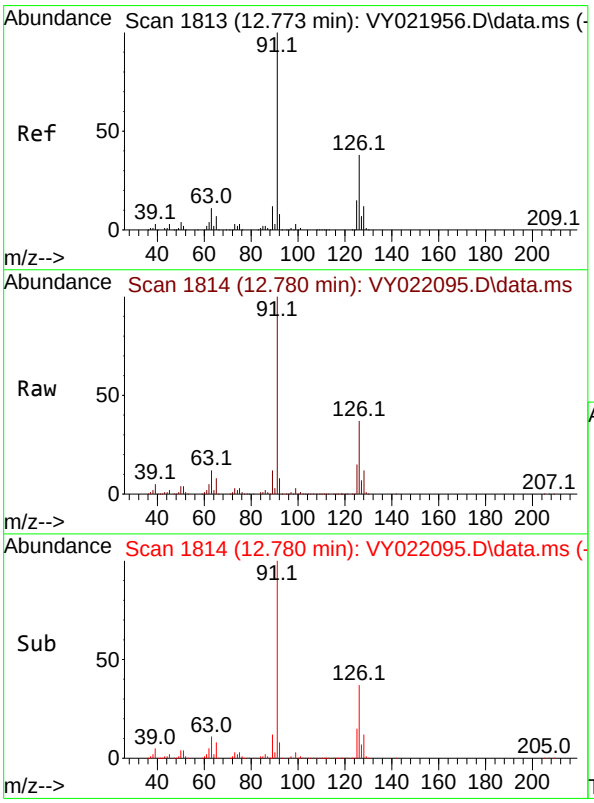
#81
trans-1,4-Dichloro-2-butene
Concen: 47.296 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 38218

Ion	Ratio	Lower	Upper
75	100		
53	80.9	66.0	99.0
89	48.3	37.2	55.8

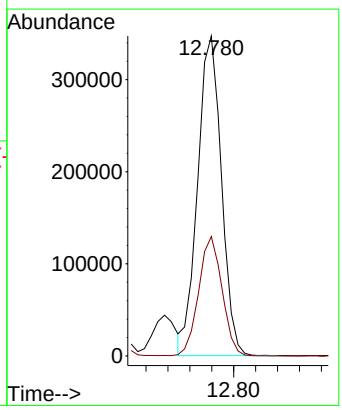


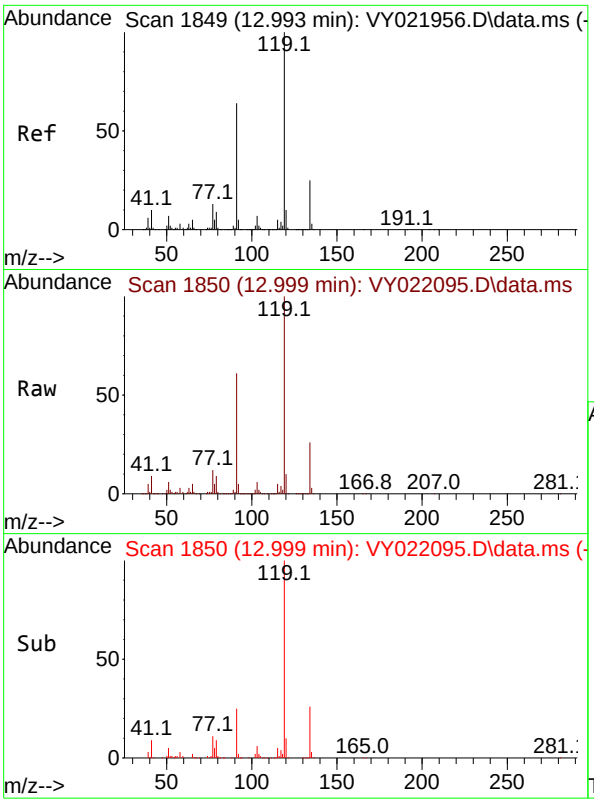


#82
4-Chlorotoluene
Concen: 47.904 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 91 Resp: 523473

Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.9	53.8



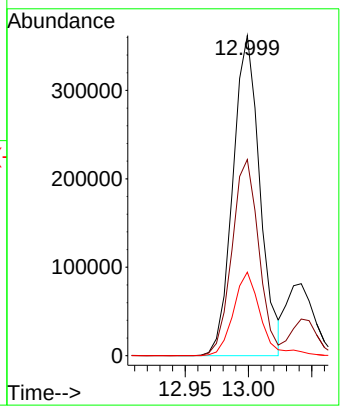


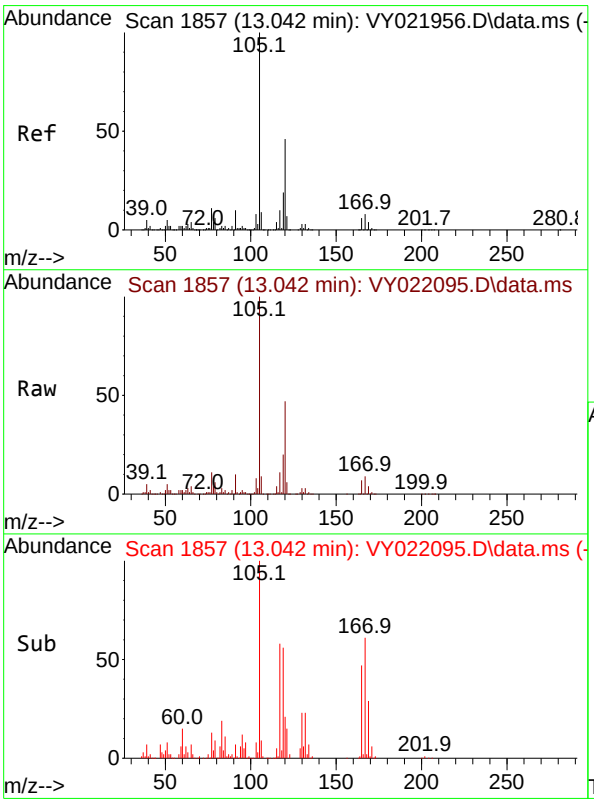
#83
tert-Butylbenzene
Concen: 48.054 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 538982

Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.3	90.9
134	26.4	12.9	38.7

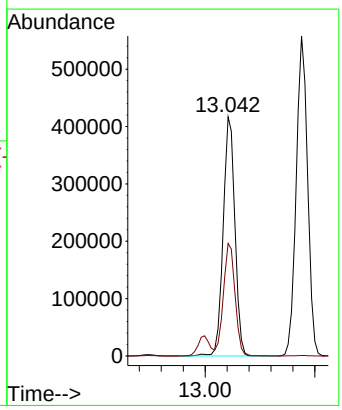


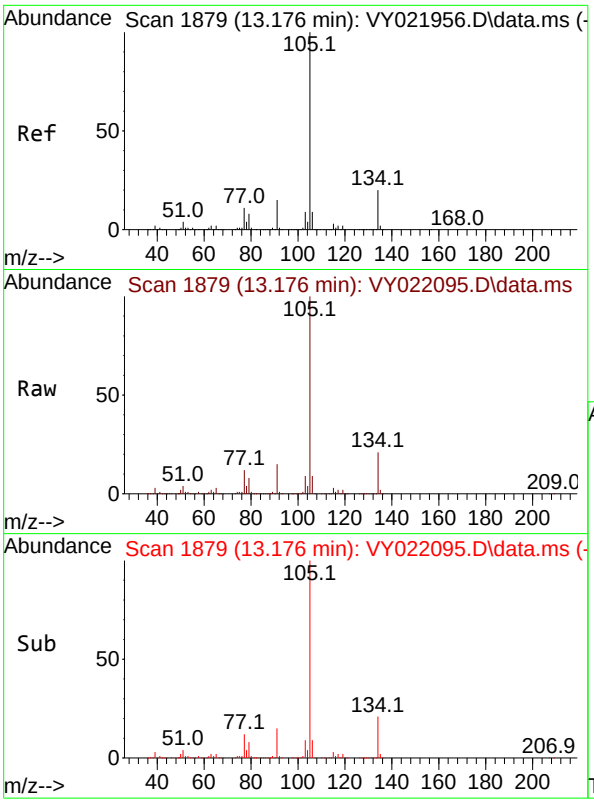


#84
1,2,4-Trimethylbenzene
Concen: 49.714 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:105 Resp: 621868

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0



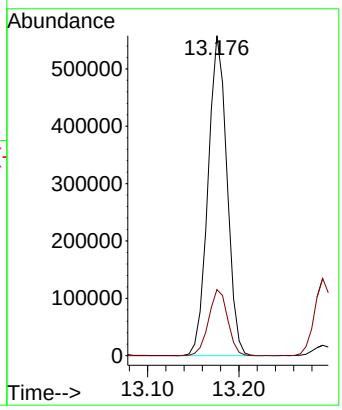


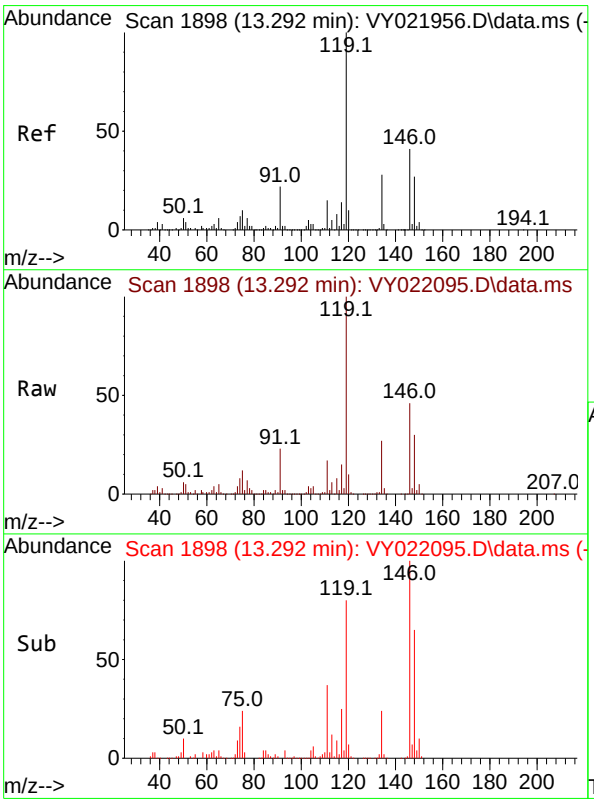
#85
sec-Butylbenzene
Concen: 48.777 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 800547

Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.9

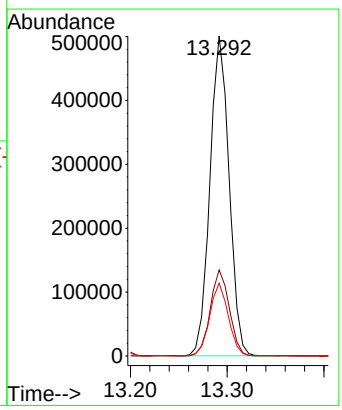


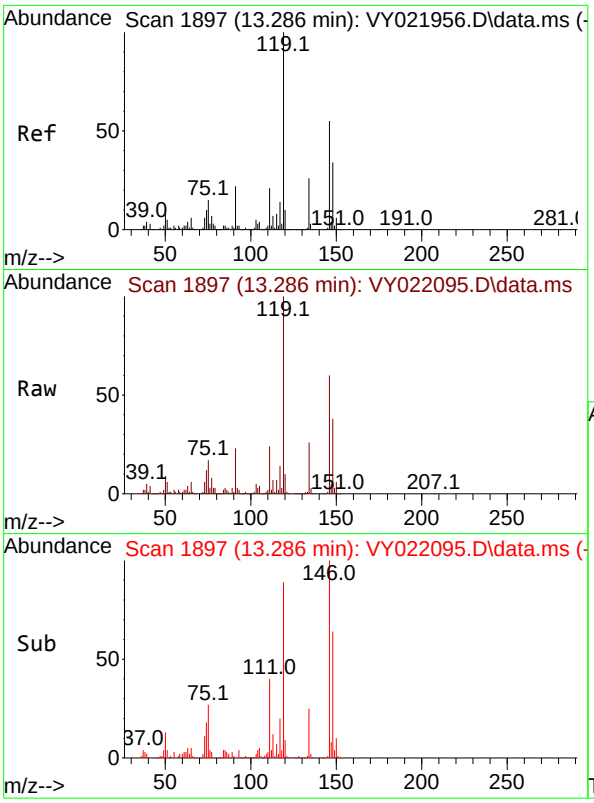


#86
p-Isopropyltoluene
Concen: 49.477 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:119 Resp: 689548

Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.6	40.7
91	22.1	11.0	33.0



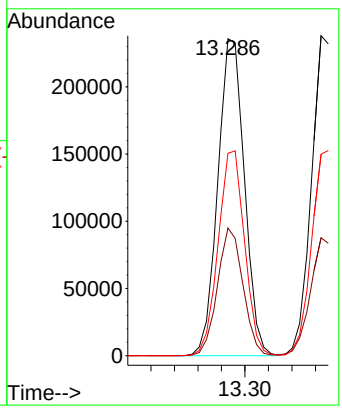


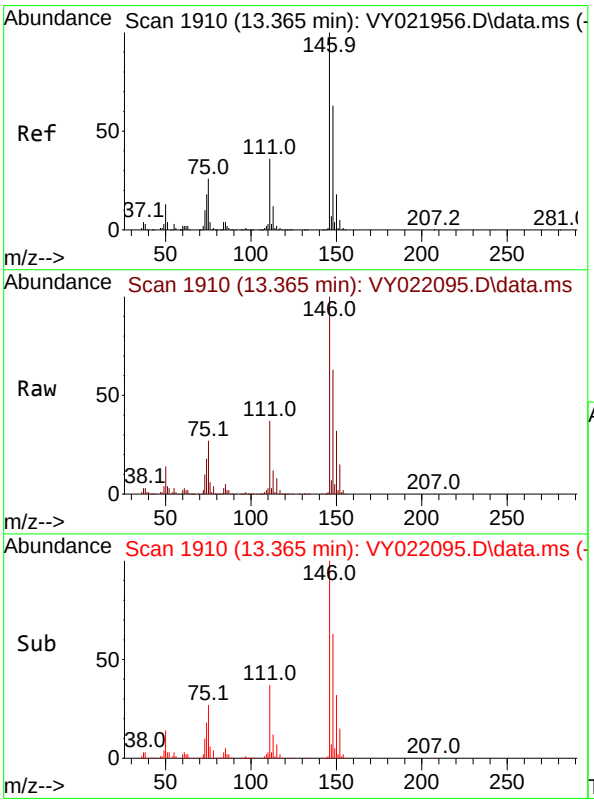
#87
1,3-Dichlorobenzene
Concen: 47.649 ug/l
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 371168

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	64.1	32.0	96.2

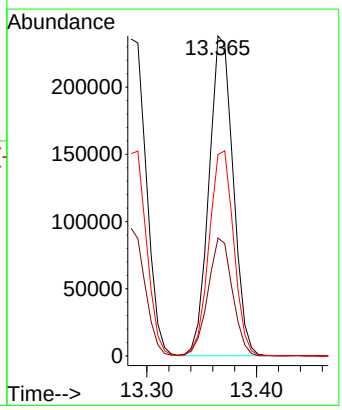


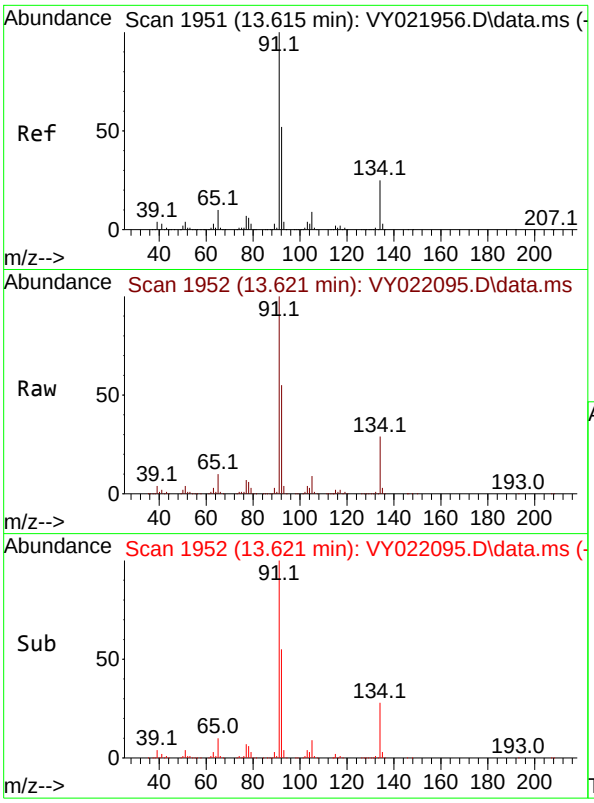


#88
1,4-Dichlorobenzene
Concen: 47.301 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:146 Resp: 364925

Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.2	57.6
148	65.3	32.0	96.0



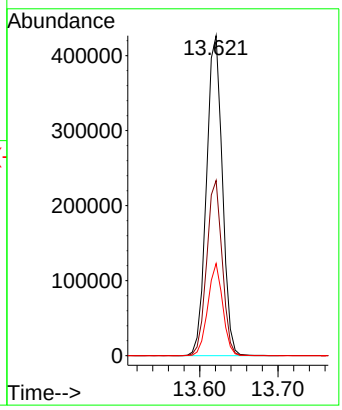


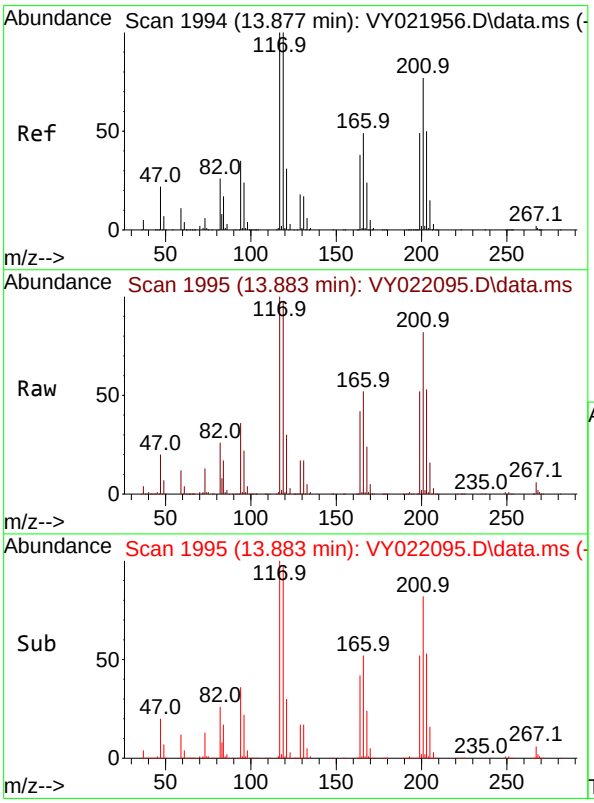
#89
n-Butylbenzene
Concen: 47.980 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 597694

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.5
134	27.1	13.4	40.1

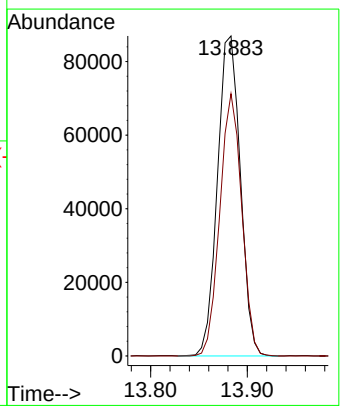


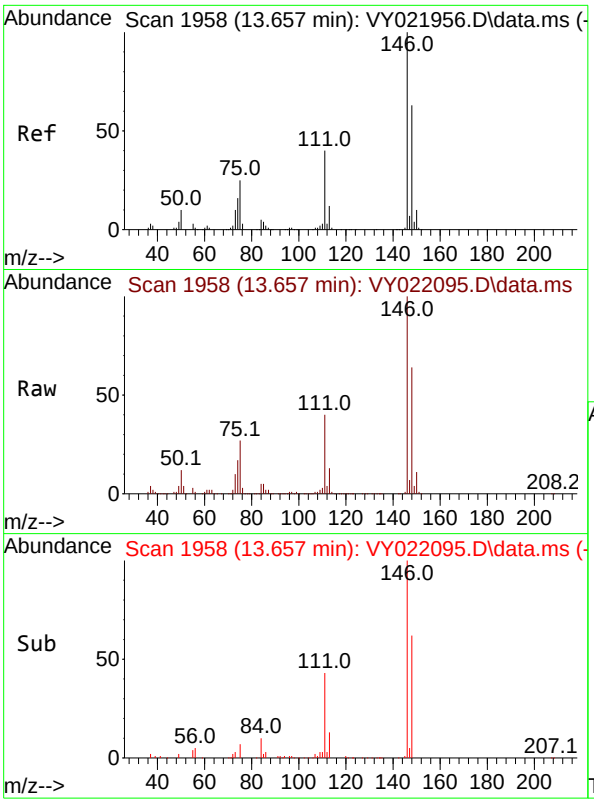


#90
Hexachloroethane
Concen: 46.615 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:117 Resp: 142735

Ion	Ratio	Lower	Upper
117	100		
201	78.4	38.7	116.1



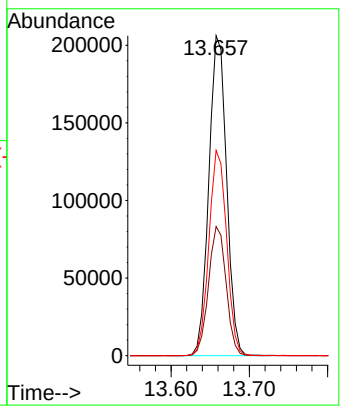


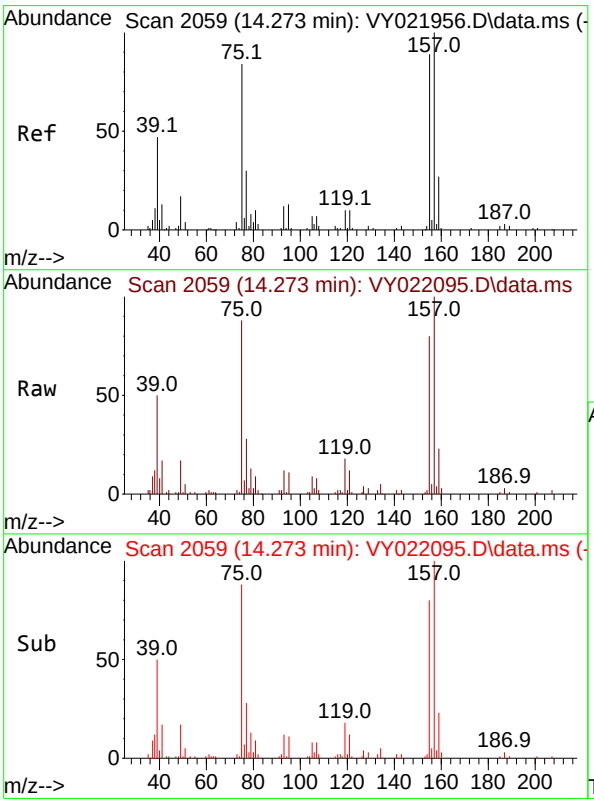
#91
1,2-Dichlorobenzene
Concen: 47.720 ug/l
RT: 13.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 324218

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	64.2	32.1	96.3

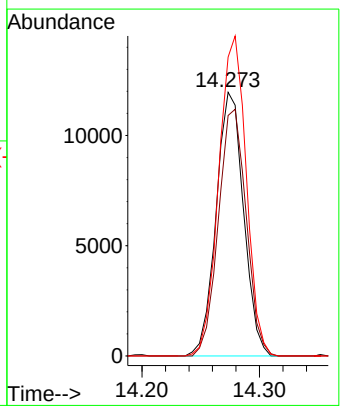


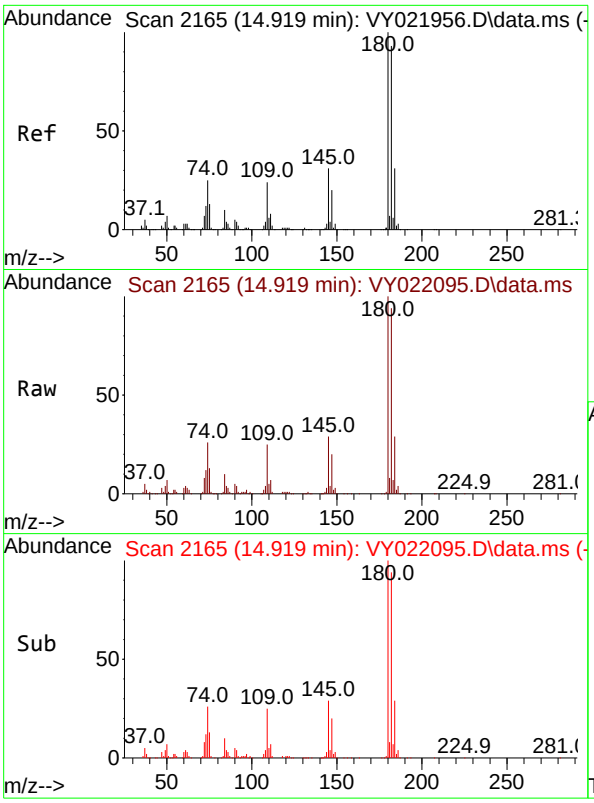


#92
1,2-Dibromo-3-Chloropropane
Concen: 47.643 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion: 75 Resp: 19397

Ion	Ratio	Lower	Upper
75	100		
155	94.8	50.7	152.3
157	121.5	62.6	187.8



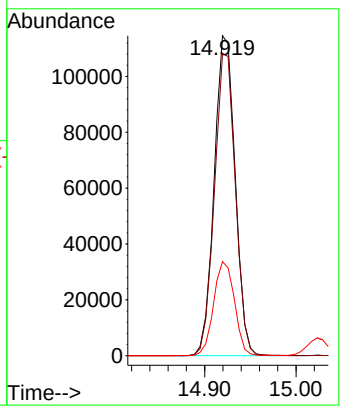


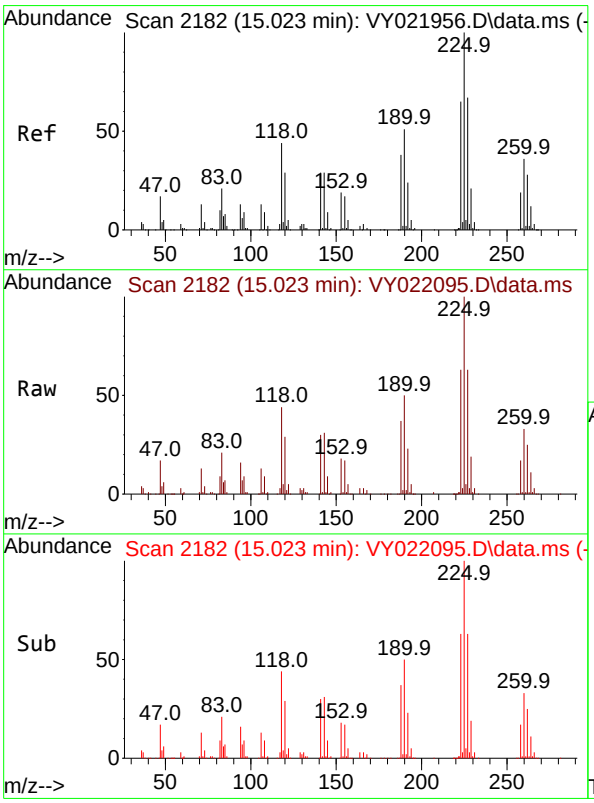
#93
1,2,4-Trichlorobenzene
Concen: 47.340 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 182261

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.4
145	29.3	15.0	45.0

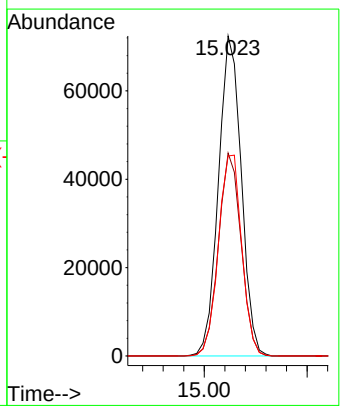


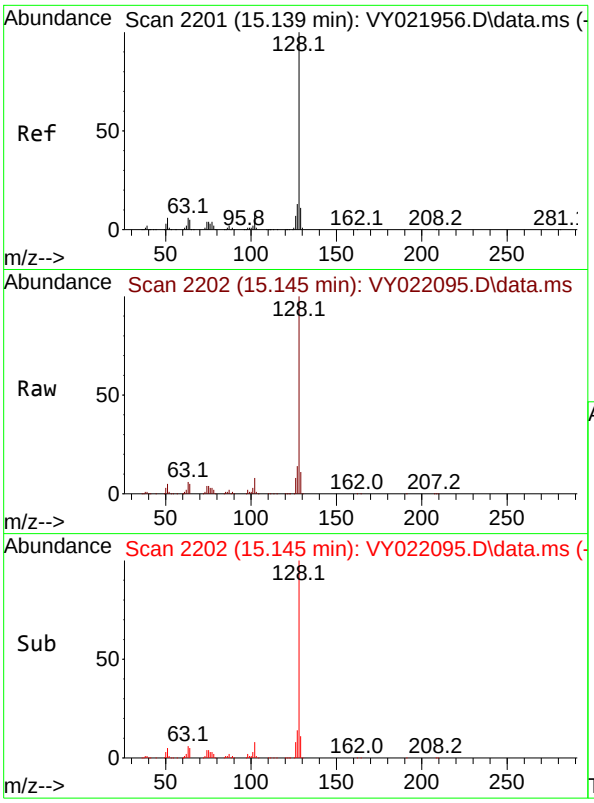


#94
Hexachlorobutadiene
Concen: 47.066 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:225 Resp: 111490

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	64.2	32.3	96.9



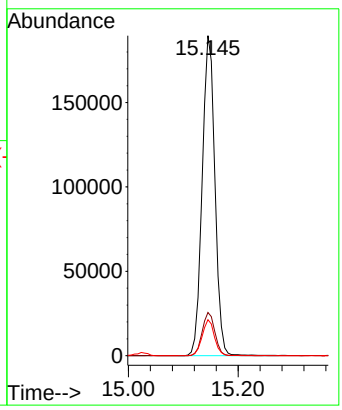


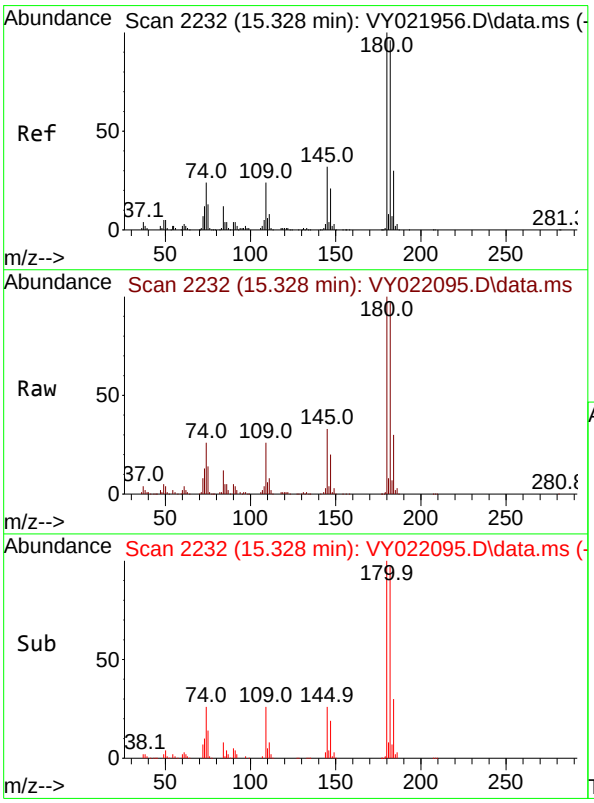
#95
Naphthalene
Concen: 47.598 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 304421

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.9	13.3

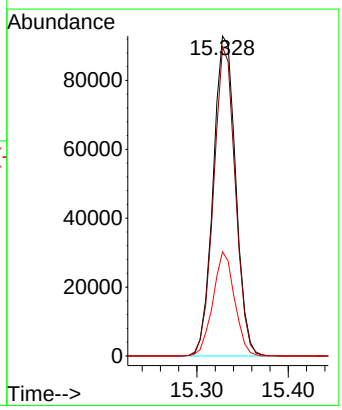




#96
1,2,3-Trichlorobenzene
Concen: 47.678 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022095.D
Acq: 01 May 2025 08:50

Tgt Ion:180 Resp: 158454

Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.1	144.4
145	31.4	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	294485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	452802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	225406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129149	47.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.960%			
35) Dibromofluoromethane	7.634	113	148223	49.549	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.100%			
50) Toluene-d8	10.109	98	564747	50.076	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.160%			
62) 4-Bromofluorobenzene	12.408	95	187006	49.257	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	48273	19.238	ug/l	99
3) Chloromethane	2.068	50	66754	18.683	ug/l	99
4) Vinyl Chloride	2.202	62	82174	18.716	ug/l	94
5) Bromomethane	2.592	94	70373	18.604	ug/l	97
6) Chloroethane	2.732	64	56478	18.887	ug/l	99
7) Trichlorofluoromethane	3.056	101	115218	19.900	ug/l	98
8) Diethyl Ether	3.452	74	28039	18.606	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	62306	19.838	ug/l	97
10) Methyl Iodide	4.001	142	67604	18.591	ug/l	100
11) Tert butyl alcohol	4.866	59	12138	81.282	ug/l	98
12) 1,1-Dichloroethene	3.787	96	58265	19.903	ug/l	98
13) Acrolein	3.653	56	17856	66.621	ug/l	97
14) Allyl chloride	4.379	41	63510	18.632	ug/l	97
15) Acrylonitrile	5.055	53	48849	88.546	ug/l	98
16) Acetone	3.866	43	37306	91.214	ug/l	99
17) Carbon Disulfide	4.104	76	182459	19.547	ug/l	98
18) Methyl Acetate	4.379	43	23736	18.681	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	117798	17.978	ug/l	99
20) Methylene Chloride	4.610	84	66341	19.288	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64503	19.674	ug/l	95
22) Diisopropyl ether	6.012	45	147267	19.413	ug/l	96
23) Vinyl Acetate	5.958	43	372032	91.000	ug/l	99
24) 1,1-Dichloroethane	5.915	63	104275	19.831	ug/l #	96
25) 2-Butanone	6.896	43	53781	86.739	ug/l	98
26) 2,2-Dichloropropane	6.884	77	93707	20.333	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	72723	19.837	ug/l	99
28) Bromochloromethane	7.244	49	38682	18.940	ug/l	97
29) Tetrahydrofuran	7.256	42	34870	86.590	ug/l	99
30) Chloroform	7.421	83	118101	20.249	ug/l	98
31) Cyclohexane	7.701	56	84609	18.817	ug/l #	92
32) 1,1,1-Trichloroethane	7.616	97	106076	20.103	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79939	19.894	ug/l	100
37) Ethyl Acetate	6.982	43	25337	17.556	ug/l	97
38) Carbon Tetrachloride	7.817	117	99102	20.639	ug/l	98
39) Methylcyclohexane	9.109	83	95859	18.956	ug/l	96
40) Benzene	8.079	78	254338	20.248	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	12694	16.090	ug/l	#	84
42) 1,2-Dichloroethane	8.158	62	61949	19.920	ug/l		99
43) Isopropyl Acetate	8.195	43	48886	17.639	ug/l		99
44) Trichloroethene	8.866	130	70695	20.319	ug/l		97
45) 1,2-Dichloropropane	9.140	63	55919	20.131	ug/l		98
46) Dibromomethane	9.231	93	34103	19.612	ug/l		98
47) Bromodichloromethane	9.420	83	89355	20.570	ug/l		97
48) Methyl methacrylate	9.219	41	21714	16.948	ug/l		93
49) 1,4-Dioxane	9.231	88	6896	372.078	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	127974	88.084	ug/l		99
52) Toluene	10.170	92	167187	20.562	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	70469	18.912	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	88193	19.912	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	46804	20.150	ug/l		96
56) Ethyl methacrylate	10.438	69	46419	17.476	ug/l		97
57) 1,3-Dichloropropane	10.719	76	73345	19.697	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	112618	86.715	ug/l		100
59) 2-Hexanone	10.762	43	81146	84.678	ug/l		98
60) Dibromochloromethane	10.908	129	63759	19.827	ug/l		98
61) 1,2-Dibromoethane	11.018	107	43603	19.884	ug/l		96
64) Tetrachloroethene	10.646	164	81769	20.925	ug/l		98
65) Chlorobenzene	11.444	112	183689	19.830	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	65069	19.952	ug/l		97
67) Ethyl Benzene	11.517	91	295862	19.525	ug/l		99
68) m/p-Xylenes	11.627	106	244316	40.518	ug/l		99
69) o-Xylene	11.956	106	109092	19.629	ug/l		99
70) Styrene	11.969	104	187388	20.081	ug/l		99
71) Bromoform	12.133	173	37191	19.615	ug/l	#	98
73) Isopropylbenzene	12.255	105	288742	19.173	ug/l		100
74) N-amyl acetate	12.072	43	41858	16.178	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	46736	18.407	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	60442	31.306	ug/l	#	100
77) Bromobenzene	12.530	156	73542	19.326	ug/l		98
78) n-propylbenzene	12.597	91	349898	19.510	ug/l		100
79) 2-Chlorotoluene	12.682	91	203324	19.494	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	243534	19.627	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	13702	17.090	ug/l		96
82) 4-Chlorotoluene	12.779	91	211849	19.539	ug/l		98
83) tert-Butylbenzene	12.999	119	211608	19.015	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	242538	19.542	ug/l		98
85) sec-Butylbenzene	13.176	105	316527	19.438	ug/l		99
86) p-Isopropyltoluene	13.292	119	268577	19.423	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	153561	19.869	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	150028	19.600	ug/l		99
89) n-Butylbenzene	13.621	91	230584	18.656	ug/l		99
90) Hexachloroethane	13.877	117	59920	19.723	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	130714	19.391	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7153	17.708	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	72623	19.012	ug/l		99
94) Hexachlorobutadiene	15.023	225	47671	20.283	ug/l		97
95) Naphthalene	15.145	128	104223	16.425	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	61917	18.778	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

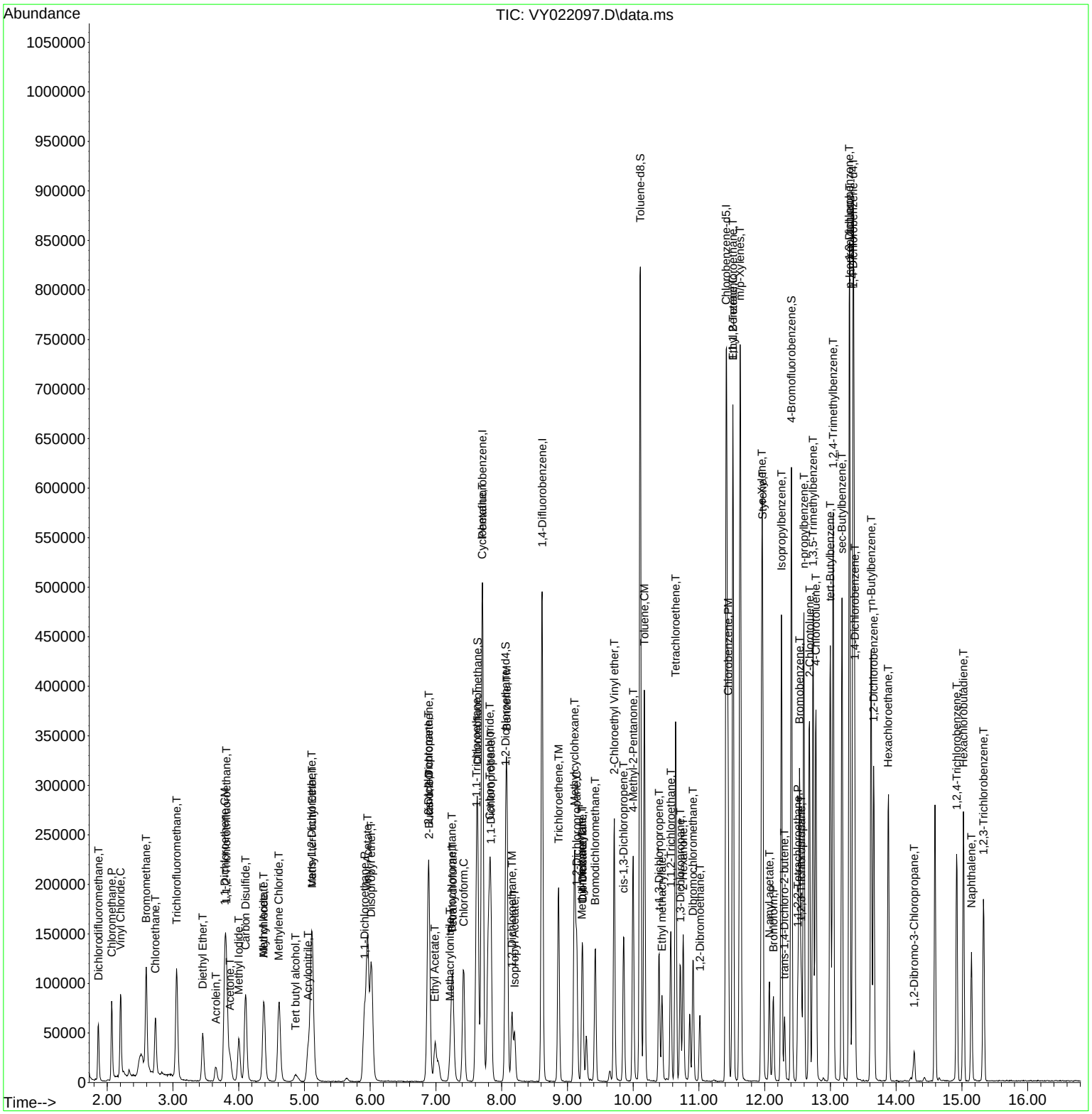
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

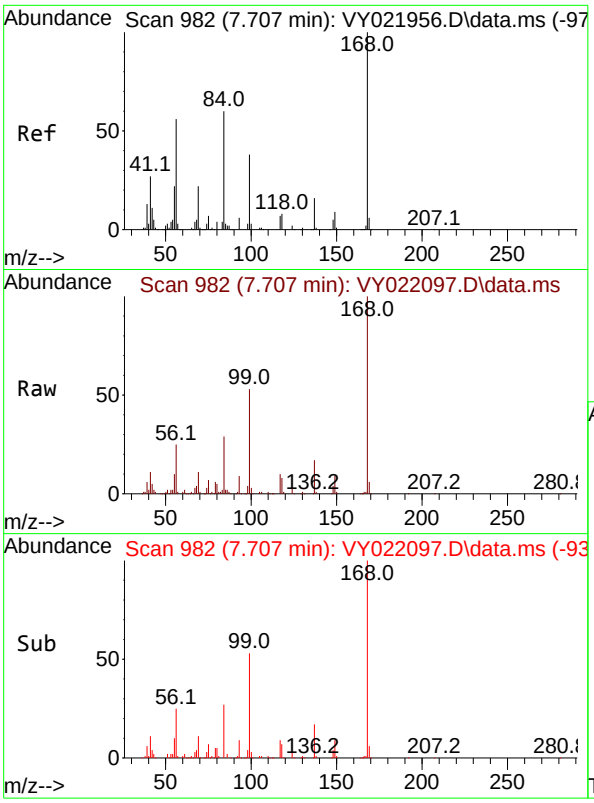
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022097.D
Acq On : 01 May 2025 10:42
Operator : SY/MD
Sample : VY0501SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Quant Time: May 01 12:53:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



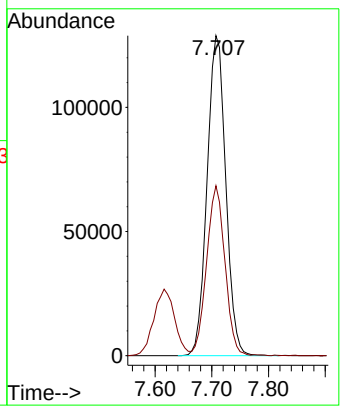


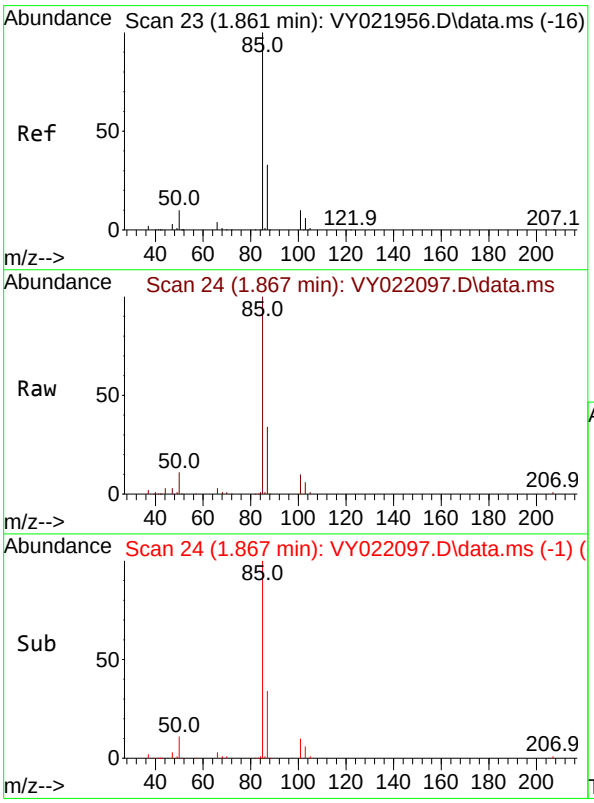
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:168 Resp: 294485

Ion	Ratio	Lower	Upper
168	100		
99	53.0	43.1	64.7

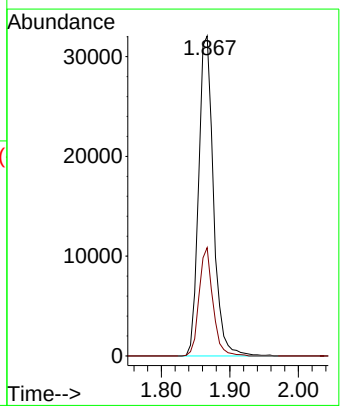


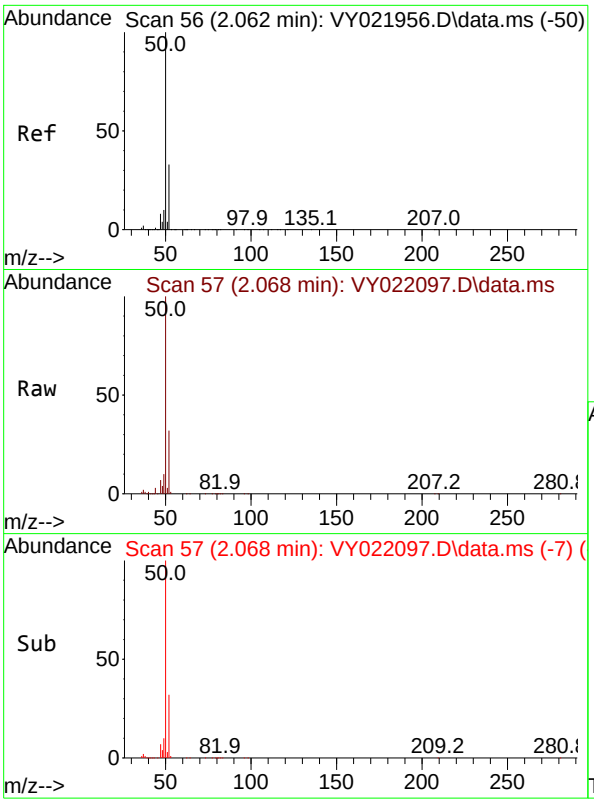


#2
Dichlorodifluoromethane
Concen: 19.238 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 85 Resp: 48273

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.7



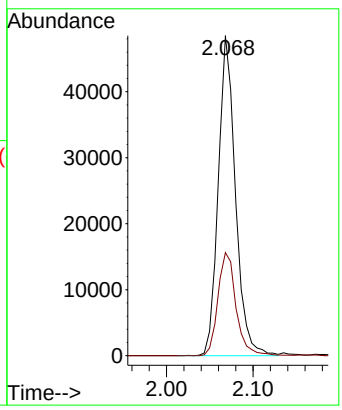


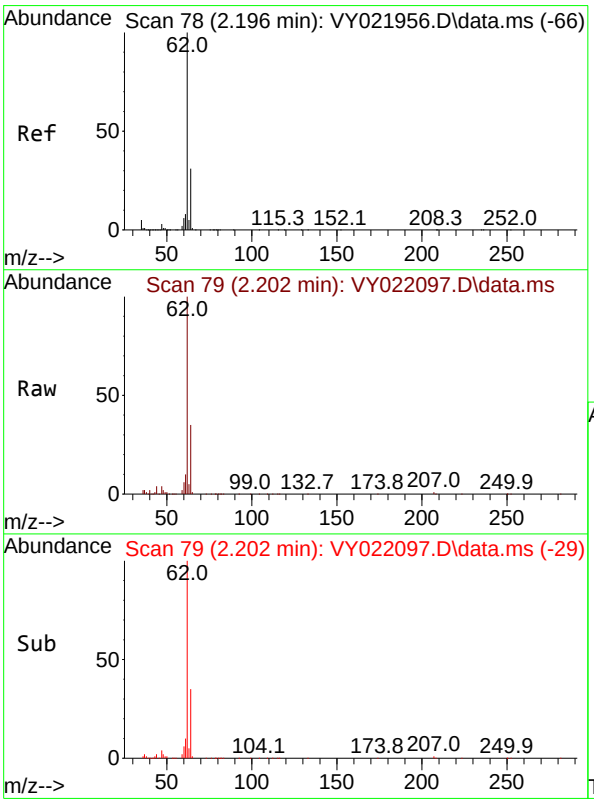
#3
Chloromethane
Concen: 18.683 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 50 Resp: 66754

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

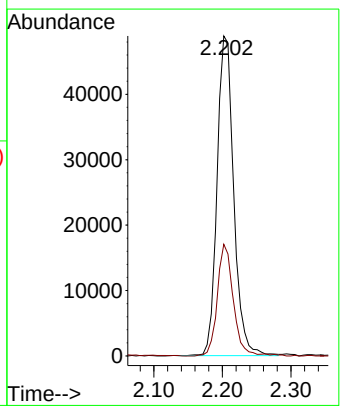


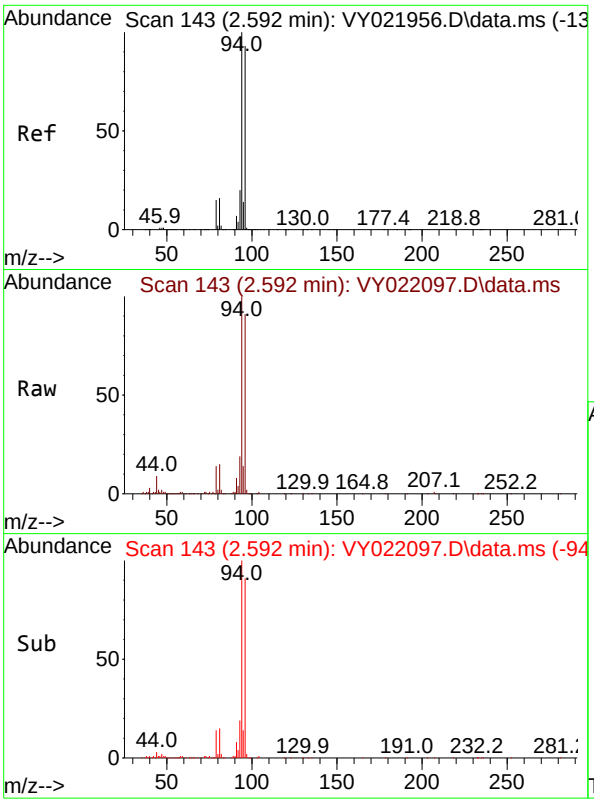


#4
Vinyl Chloride
Concen: 18.716 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 62 Resp: 82174

Ion	Ratio	Lower	Upper
62	100		
64	34.8	25.1	37.7



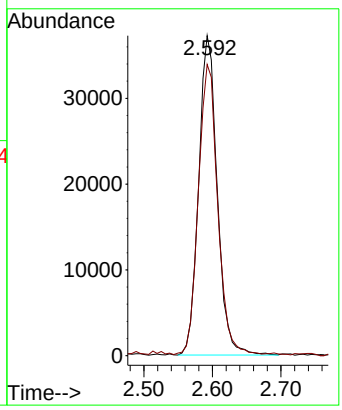


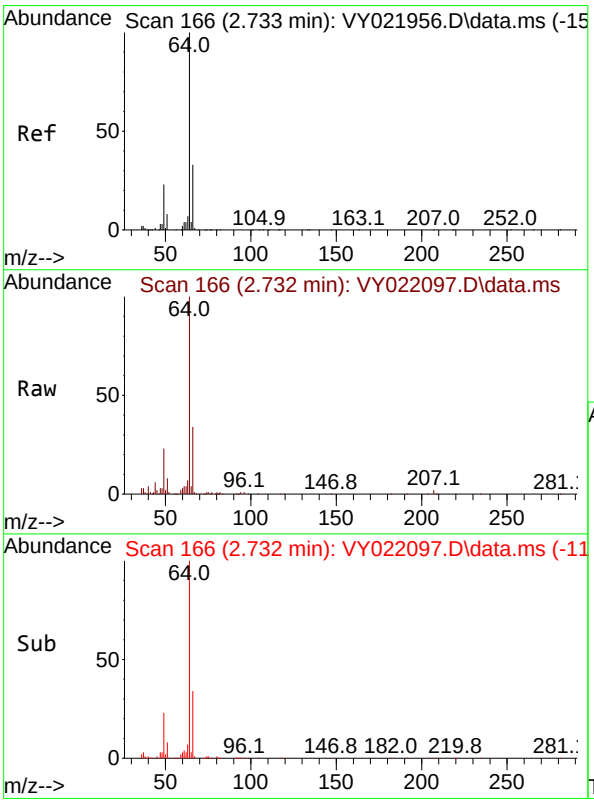
#5
Bromomethane
Concen: 18.604 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 94 Resp: 70373

Ion	Ratio	Lower	Upper
94	100		
96	90.6	74.6	111.8

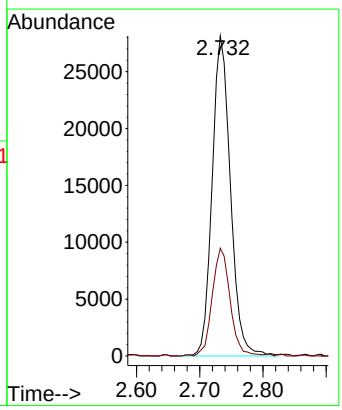


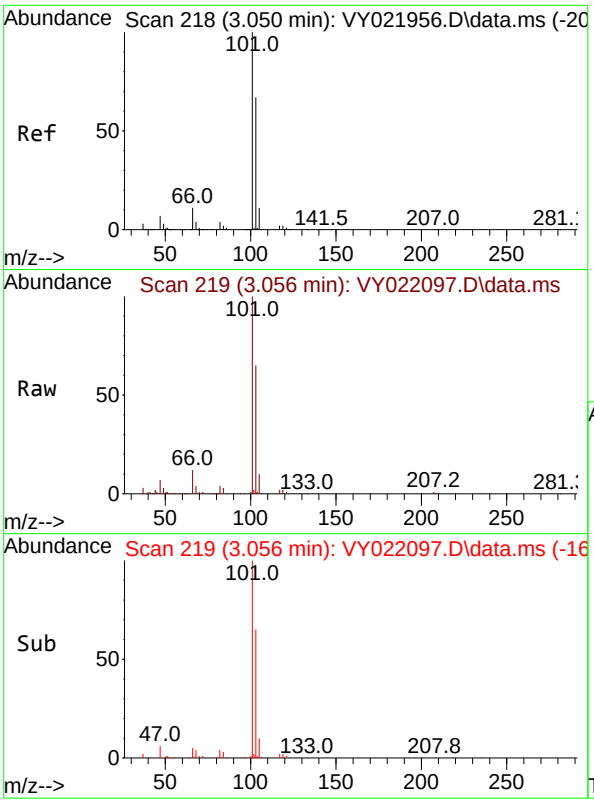


#6
Chloroethane
Concen: 18.887 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 64 Resp: 56478

Ion	Ratio	Lower	Upper
64	100		
66	33.6	26.2	39.4



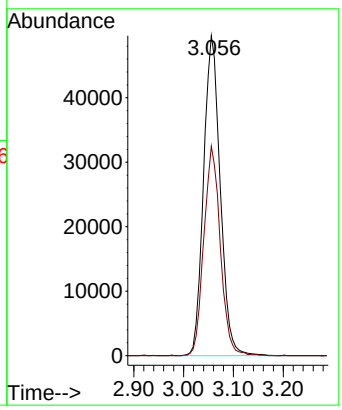


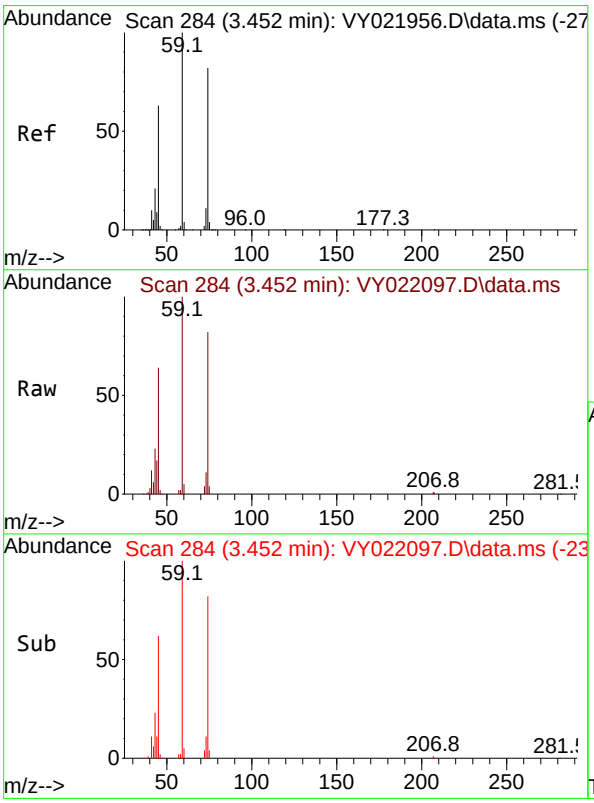
#7
Trichlorofluoromethane
Concen: 19.900 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:101 Resp: 115218

Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.6	80.4

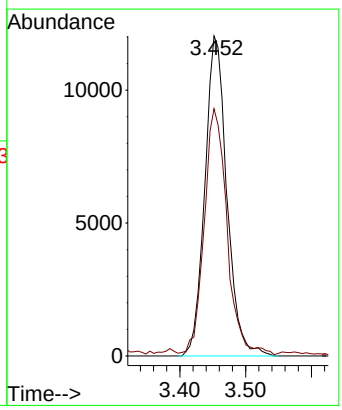


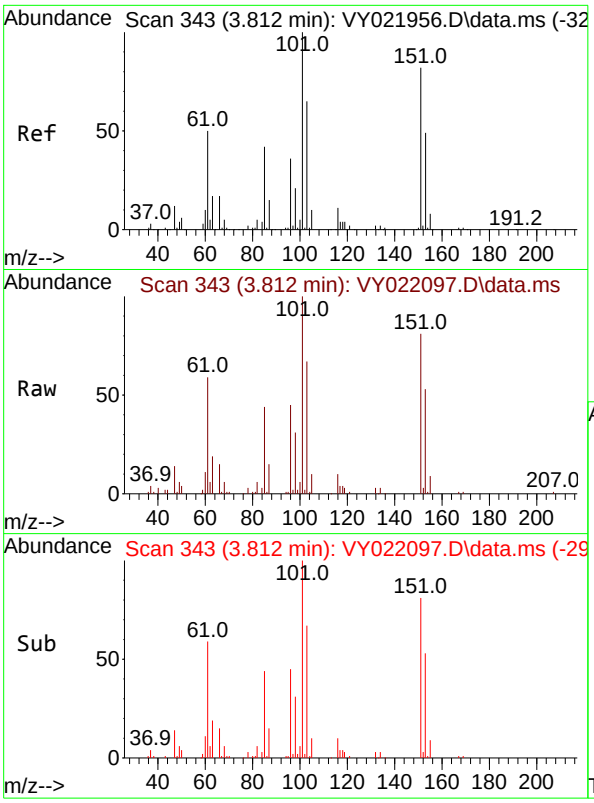


#8
Diethyl Ether
Concen: 18.606 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 74 Resp: 28039

Ion	Ratio	Lower	Upper
74	100		
45	79.6	39.1	117.5



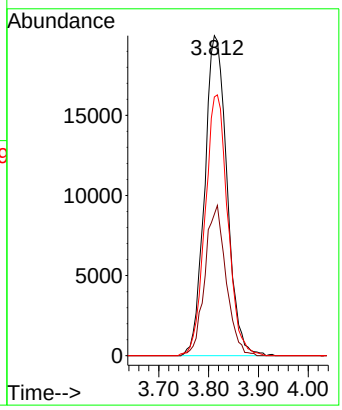


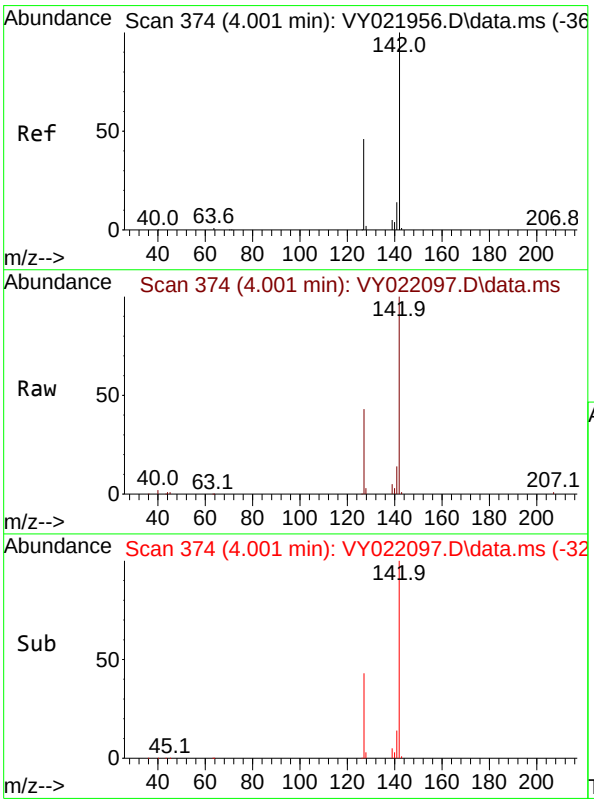
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.838 ug/l
RT: 3.812 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:101 Resp: 62306

Ion	Ratio	Lower	Upper
101	100		
85	44.4	34.6	51.8
151	82.2	63.7	95.5

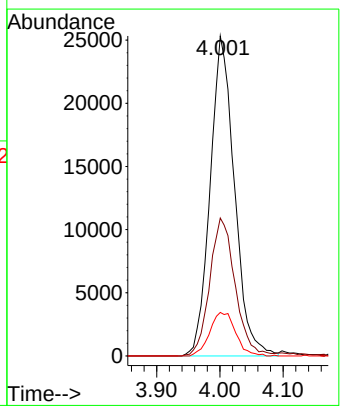


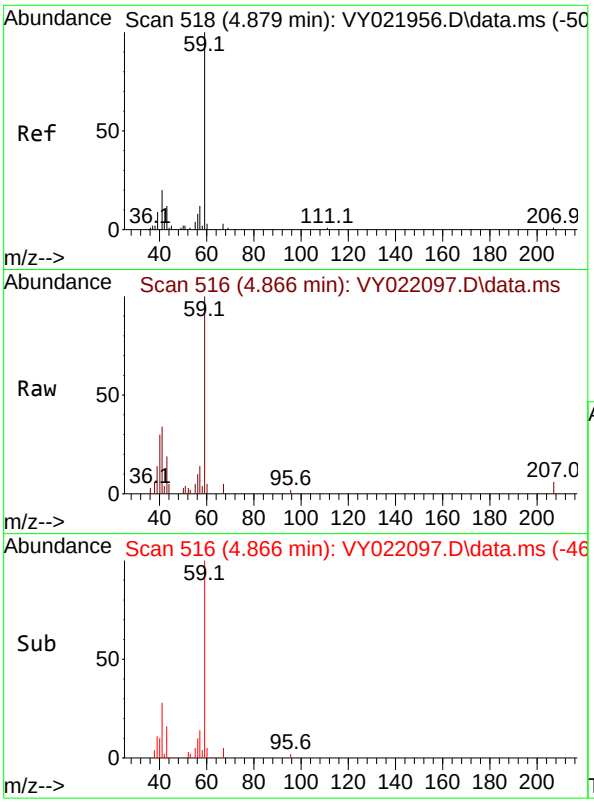


#10
Methyl Iodide
Concen: 18.591 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:142 Resp: 67604

Ion	Ratio	Lower	Upper
142	100		
127	44.9	36.2	54.2
141	14.5	11.7	17.5



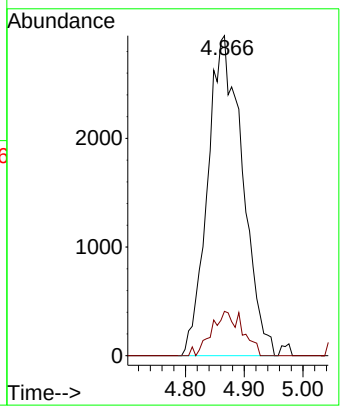


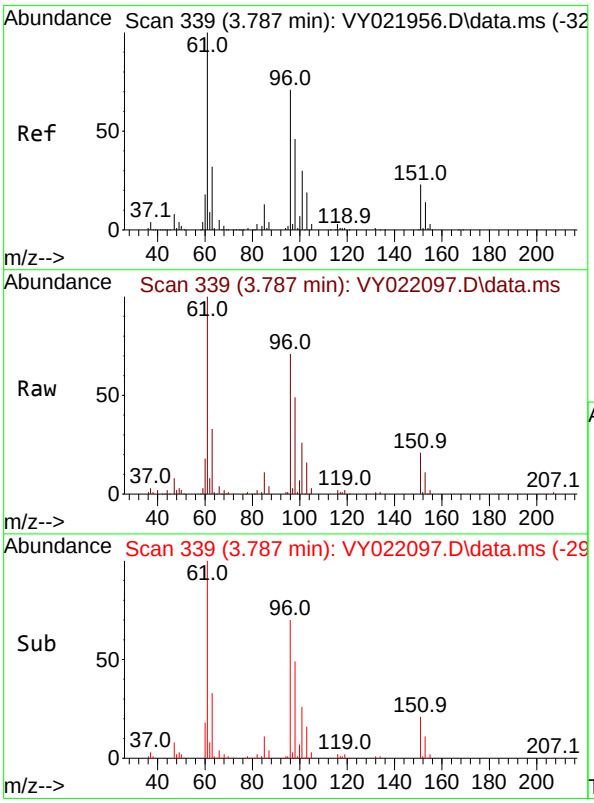
#11
Tert butyl alcohol
Concen: 81.282 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.012 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 59 Resp: 12138

Ion	Ratio	Lower	Upper
59	100		
57	12.3	9.3	13.9

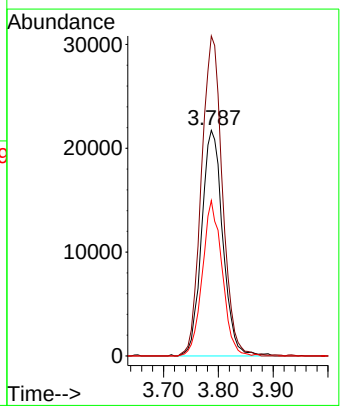


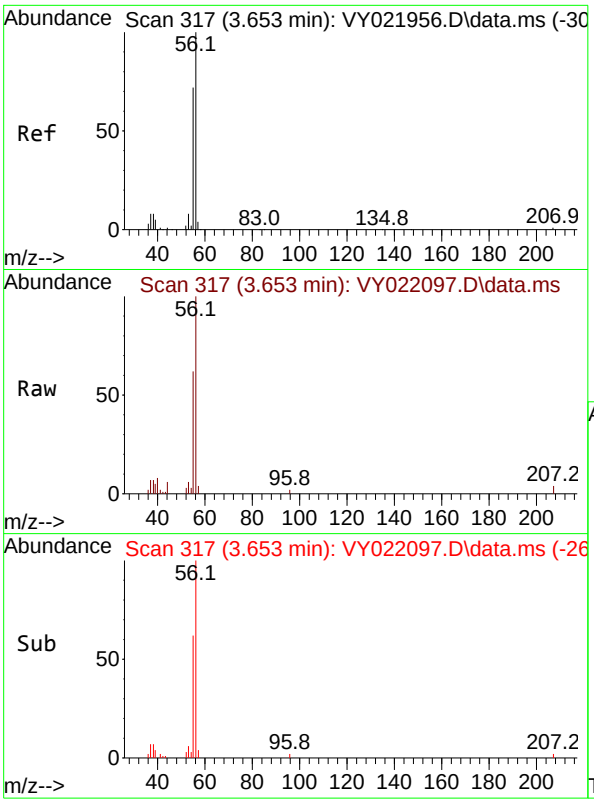


#12
1,1-Dichloroethene
Concen: 19.903 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 96 Resp: 58265

Ion	Ratio	Lower	Upper
96	100		
61	141.8	113.0	169.4
98	68.9	51.4	77.2



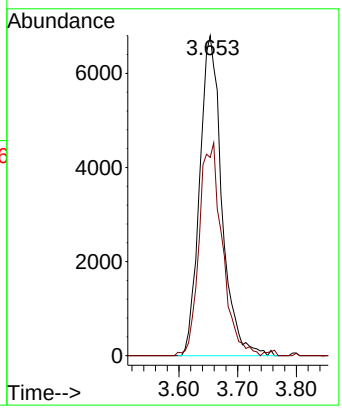


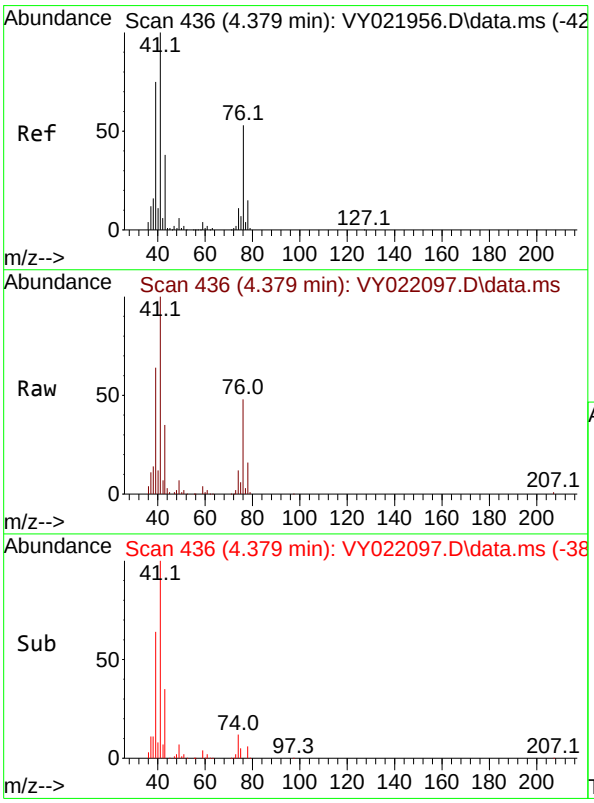
#13
Acrolein
Concen: 66.621 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 56 Resp: 17856

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.4	86.0

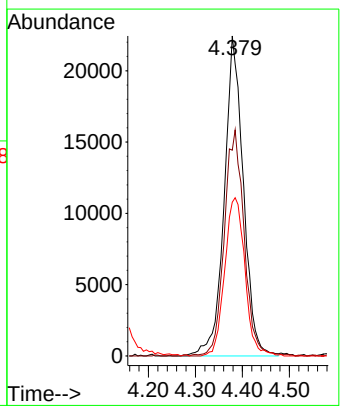


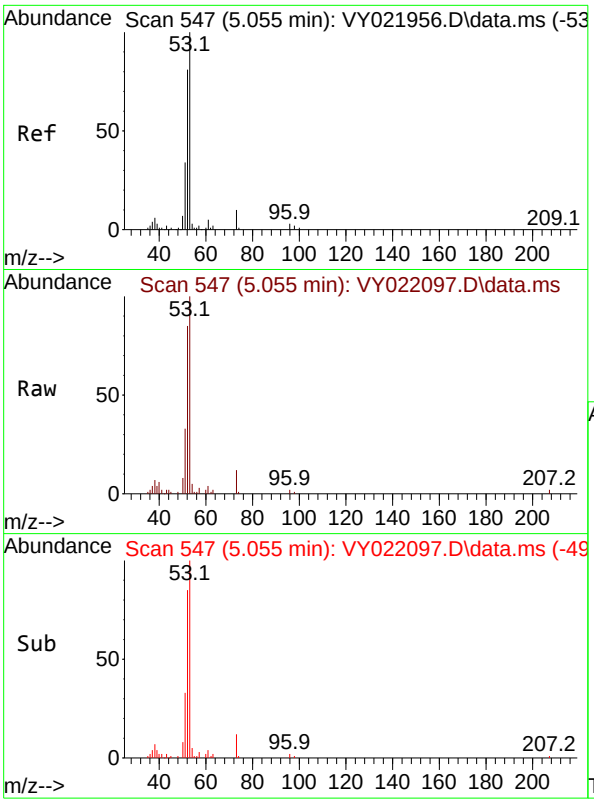


#14
Allyl chloride
Concen: 18.632 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 41 Resp: 63510

Ion	Ratio	Lower	Upper
41	100		
39	73.4	57.2	85.8
76	52.2	39.7	59.5



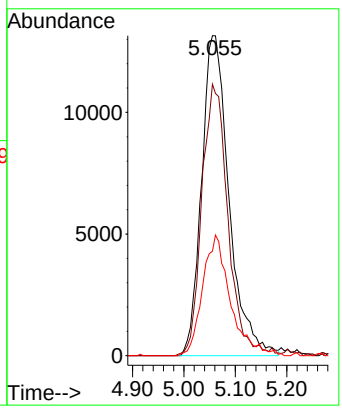


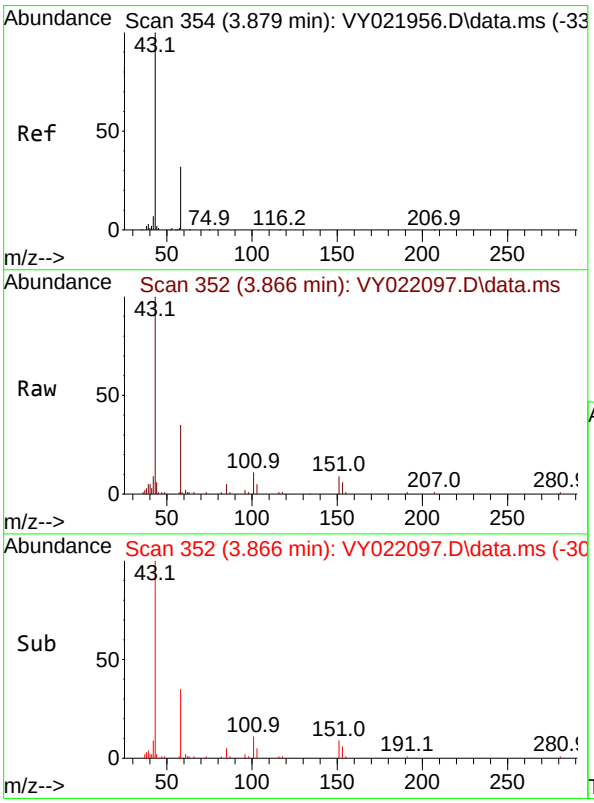
#15
Acrylonitrile
Concen: 88.546 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 53 Resp: 48849

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.0	97.6
51	37.9	28.9	43.3

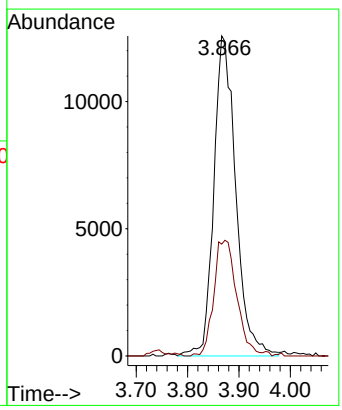


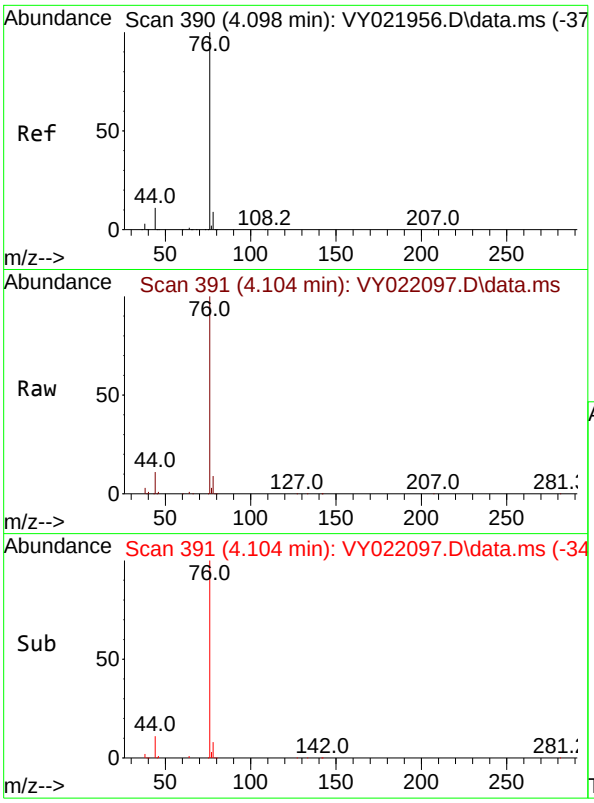


#16
Acetone
Concen: 91.214 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 37306

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.0	40.4



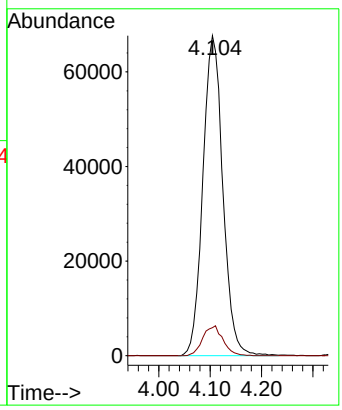


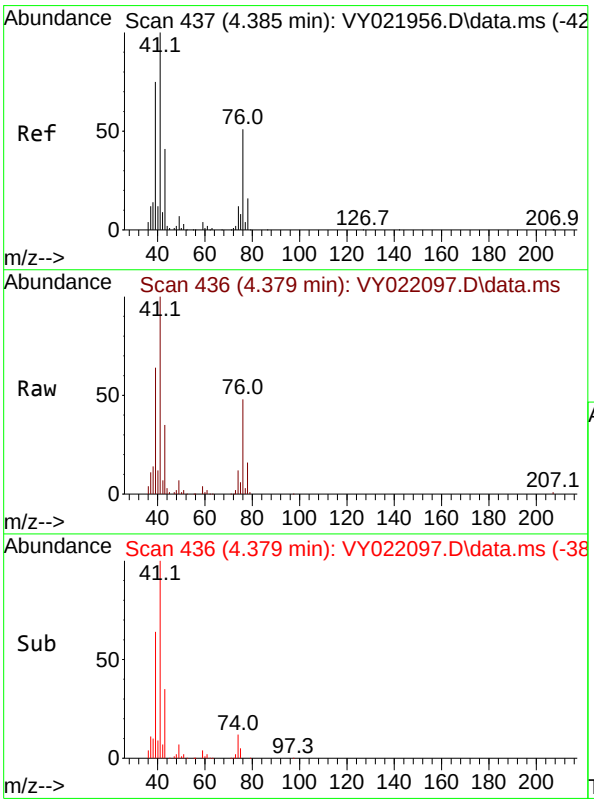
#17
Carbon Disulfide
Concen: 19.547 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 76 Resp: 182459

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

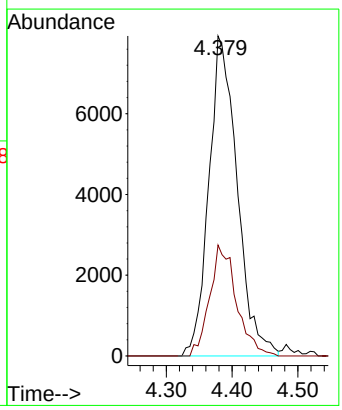


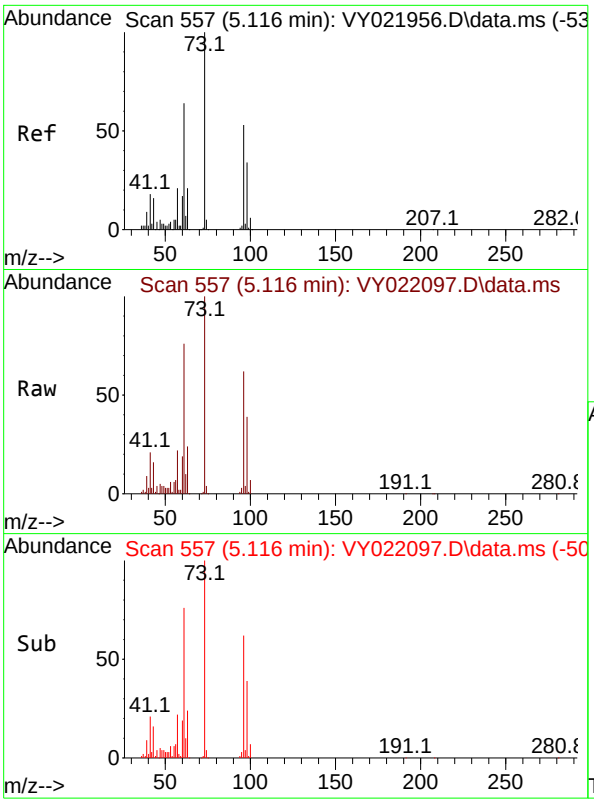


#18
Methyl Acetate
Concen: 18.681 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 23736

Ion	Ratio	Lower	Upper
43	100		
74	32.8	24.2	36.4



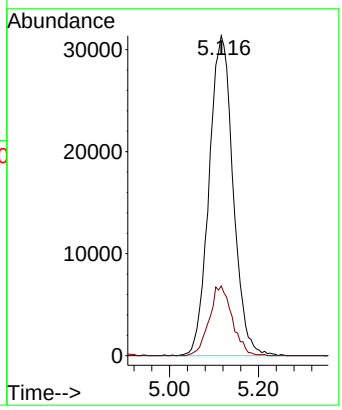


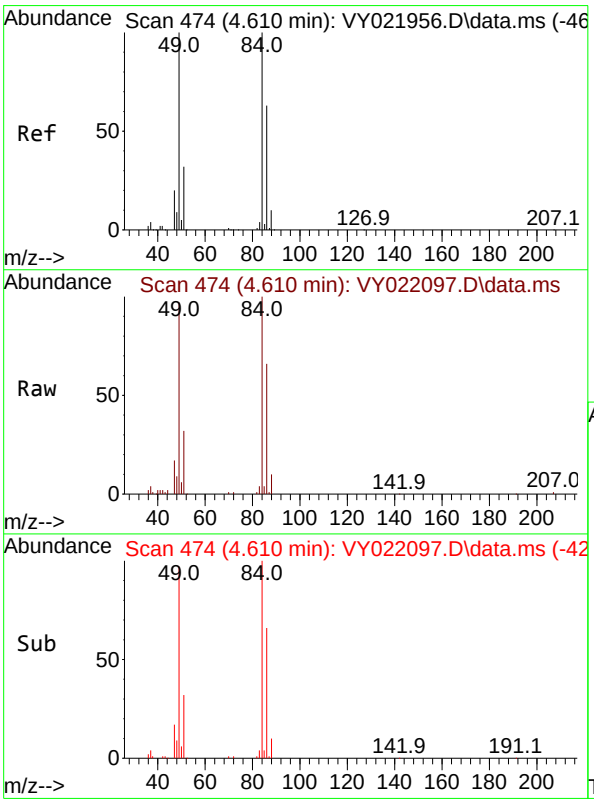
#19
Methyl tert-butyl Ether
Concen: 17.978 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 73 Resp: 117798

Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.9	25.3

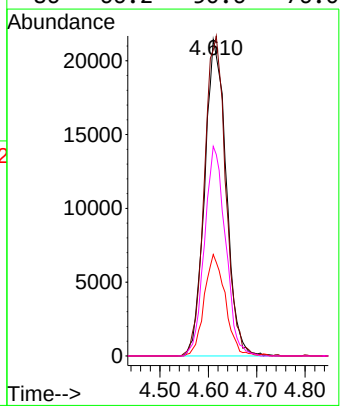


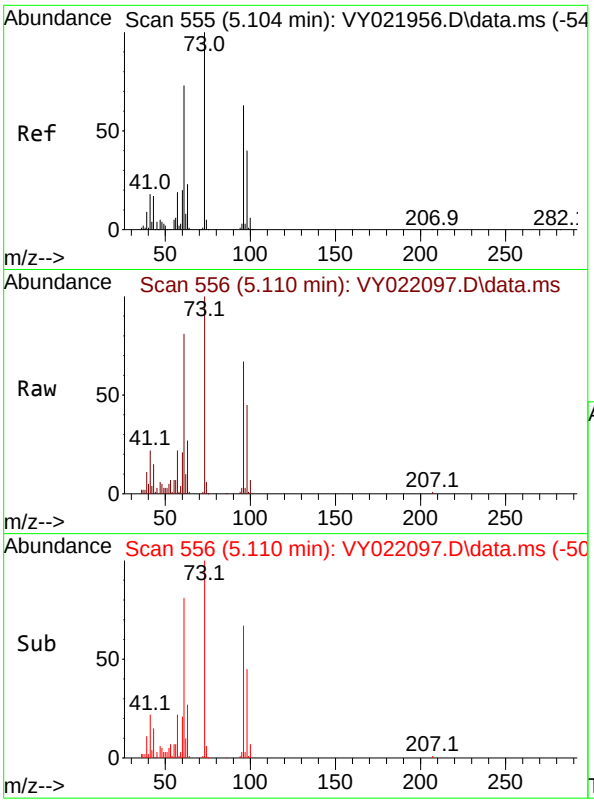


#20
Methylene Chloride
Concen: 19.288 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 84 Resp: 66341

Ion	Ratio	Lower	Upper
84	100		
49	96.6	79.9	119.9
51	32.1	25.4	38.0
86	66.2	50.6	76.0



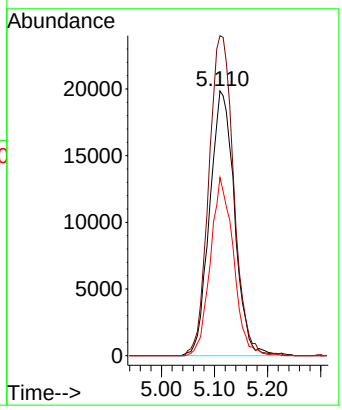


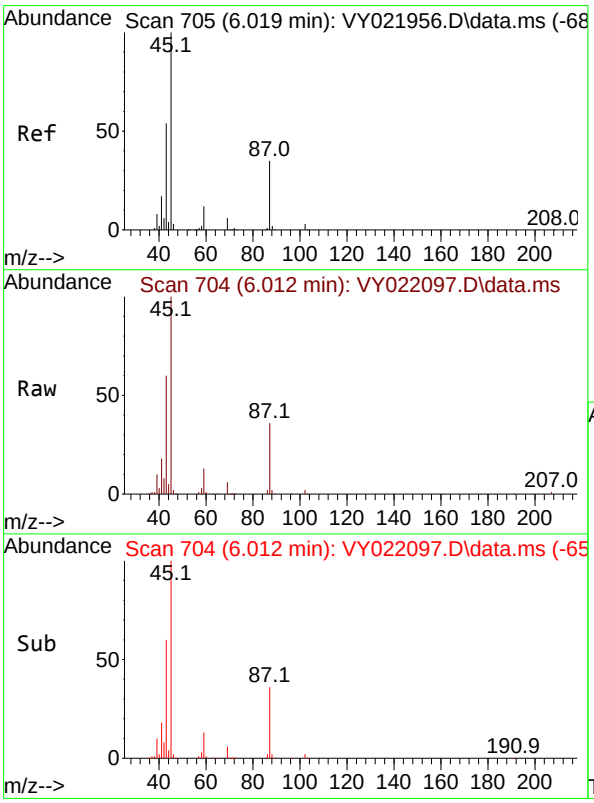
#21
trans-1,2-Dichloroethene
Concen: 19.674 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 96 Resp: 64503

Ion	Ratio	Lower	Upper
96	100		
61	120.8	92.6	138.8
98	67.3	50.2	75.4

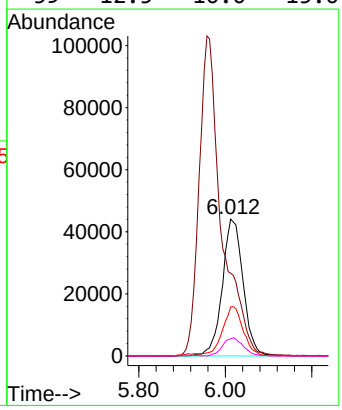


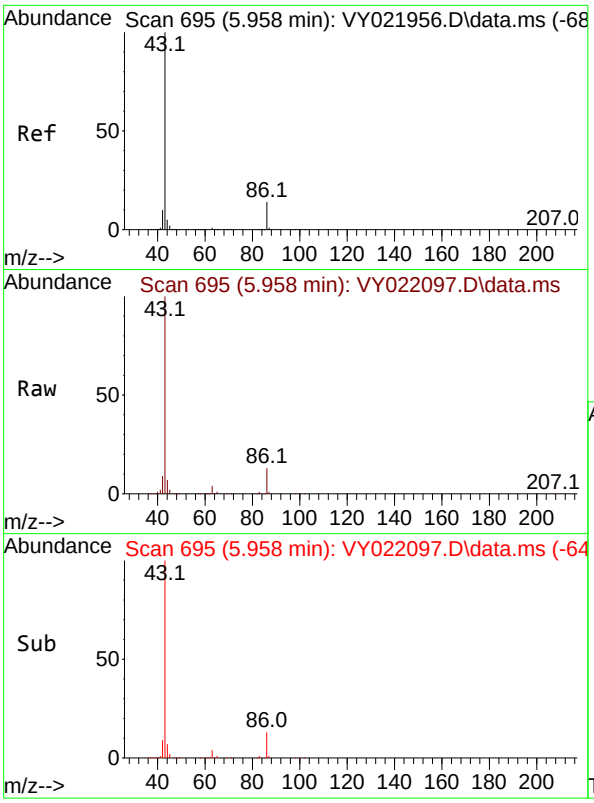


#22
Diisopropyl ether
Concen: 19.413 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 45 Resp: 147267

Ion	Ratio	Lower	Upper
45	100		
43	60.1	43.6	65.4
87	35.8	28.2	42.4
59	12.5	10.0	15.0



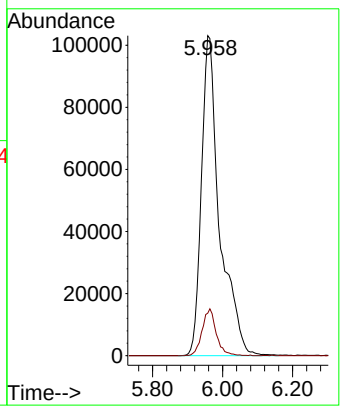


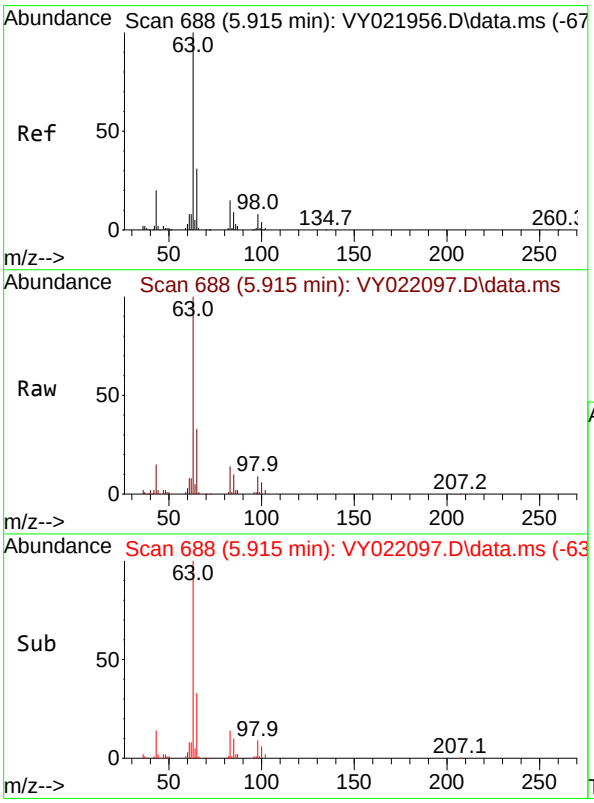
#23
Vinyl Acetate
Concen: 91.000 ug/l
RT: 5.958 min Scan# 6
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 43 Resp: 372032

Ion	Ratio	Lower	Upper
43	100		
86	13.3	11.1	16.7

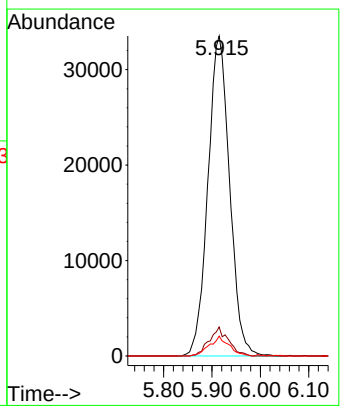


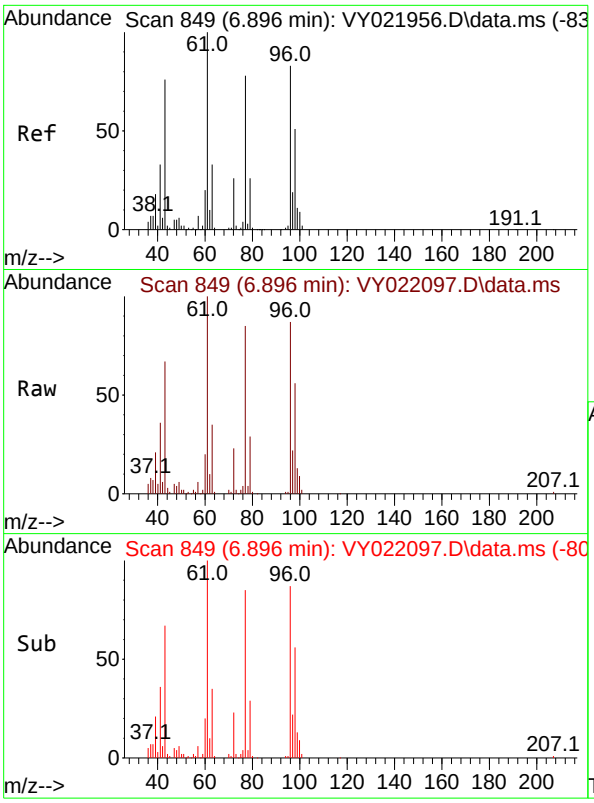


#24
1,1-Dichloroethane
Concen: 19.831 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 63 Resp: 104275

Ion	Ratio	Lower	Upper
63	100		
98	9.0	4.0	11.9
100	6.2	2.0	6.0#



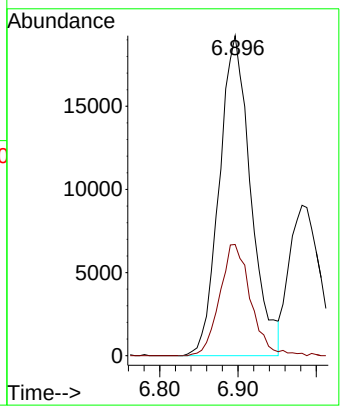


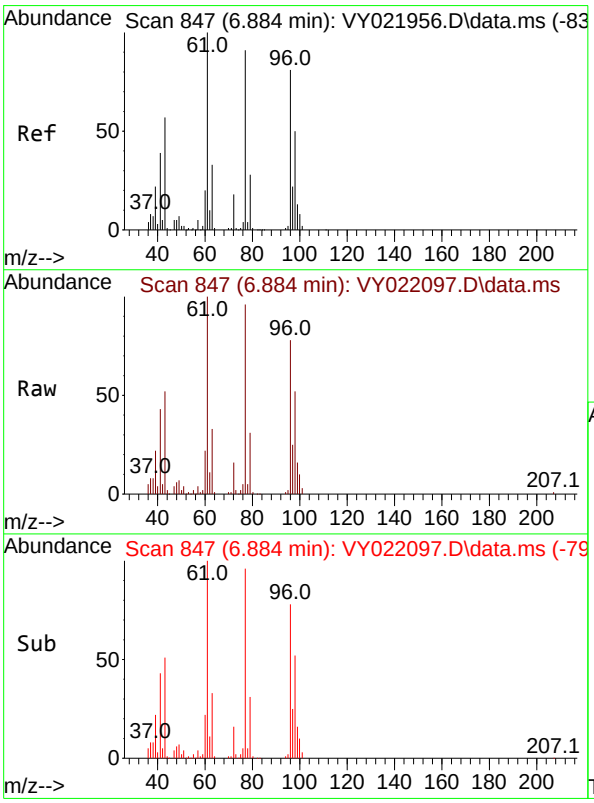
#25
2-Butanone
Concen: 86.739 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 43 Resp: 53781

Ion	Ratio	Lower	Upper
43	100		
72	34.7	27.0	40.4

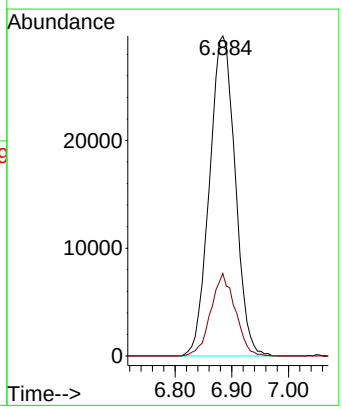


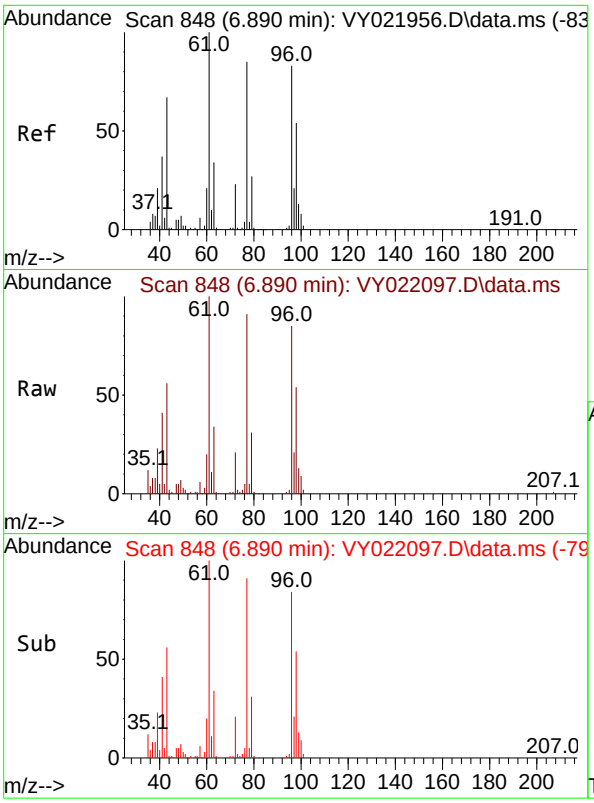


#26
2,2-Dichloropropane
Concen: 20.333 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 77 Resp: 93707

Ion	Ratio	Lower	Upper
77	100		
97	24.5	12.4	37.4



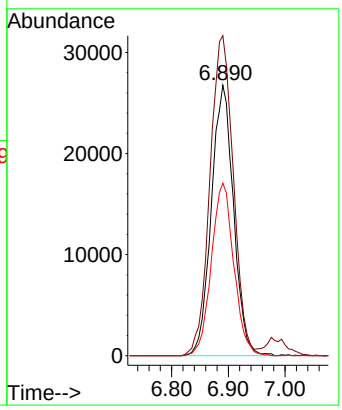


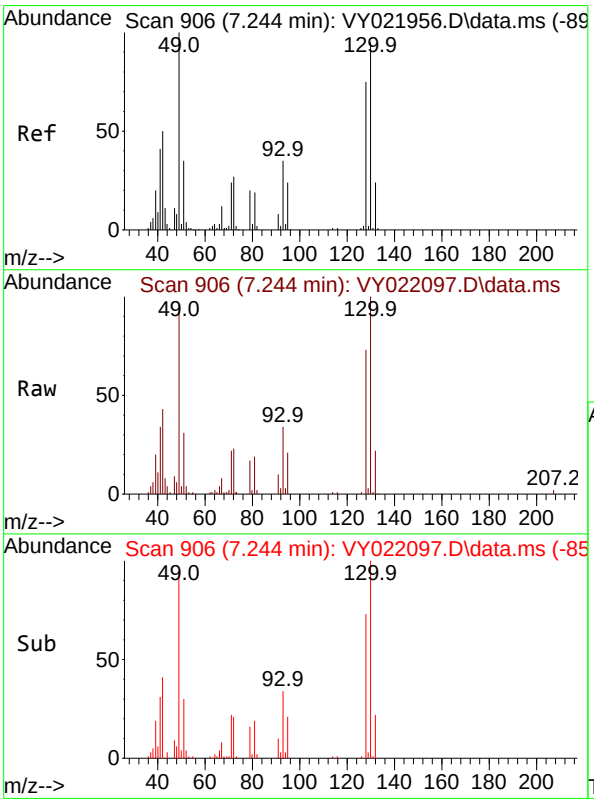
#27
cis-1,2-Dichloroethene
Concen: 19.837 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 96 Resp: 72723

Ion	Ratio	Lower	Upper
96	100		
61	124.9	0.0	251.4
98	64.6	0.0	128.4

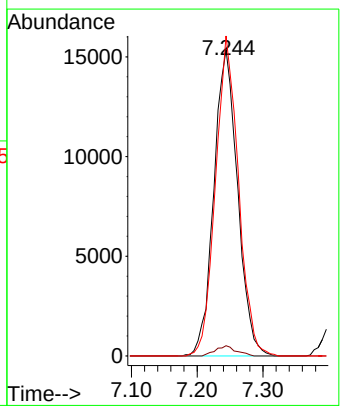


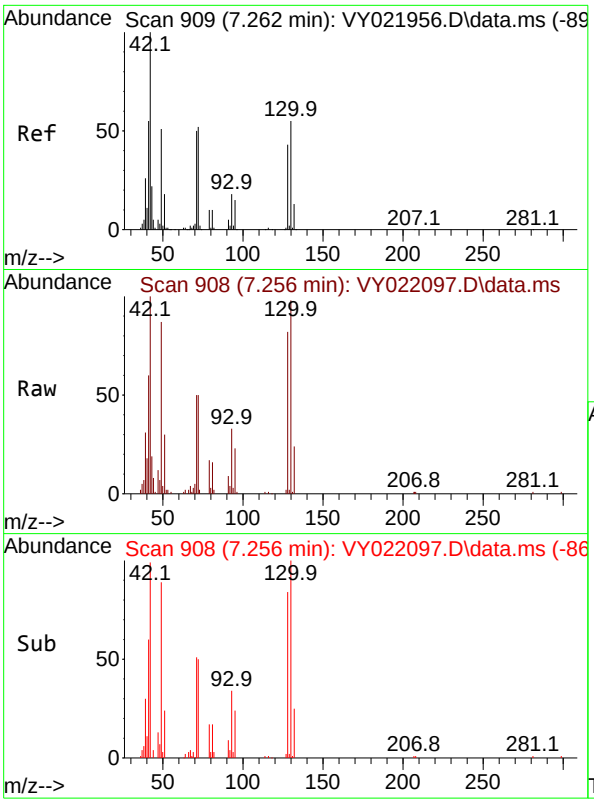


#28
Bromochloromethane
Concen: 18.940 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 49 Resp: 38682

Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.0
130	100.7	78.2	117.4



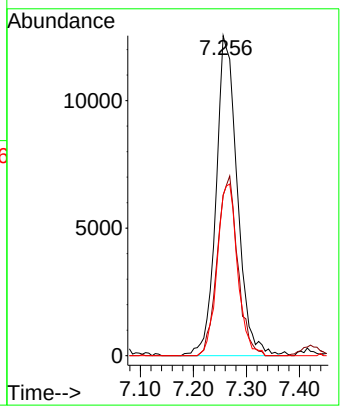


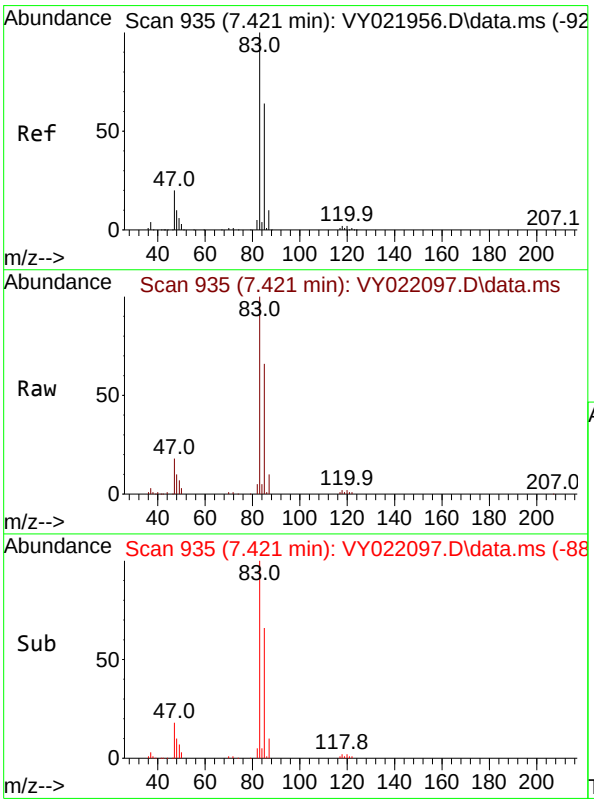
#29
Tetrahydrofuran
Concen: 86.590 ug/l
RT: 7.256 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 42 Resp: 34870

Ion	Ratio	Lower	Upper
42	100		
72	53.9	42.6	63.8
71	51.4	40.6	61.0

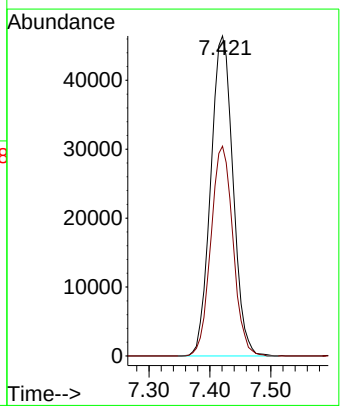


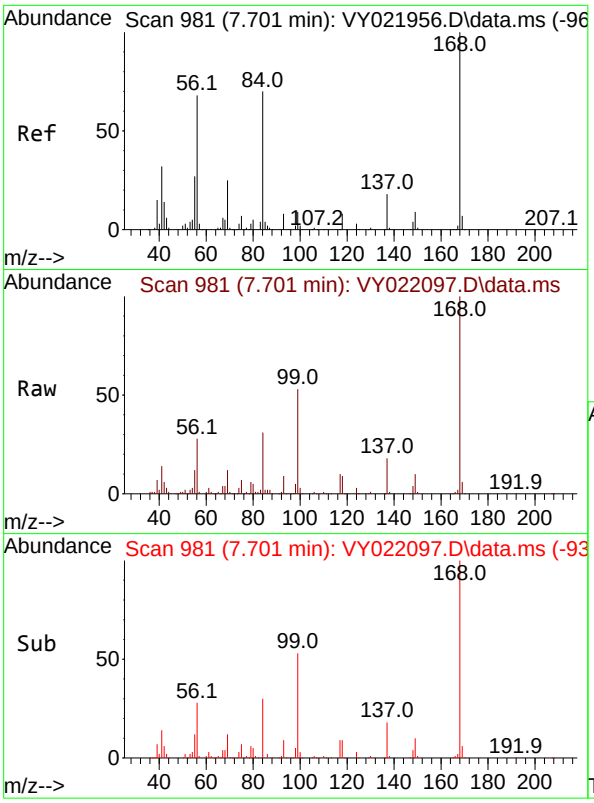


#30
Chloroform
Concen: 20.249 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 83 Resp: 118101

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.3	76.9



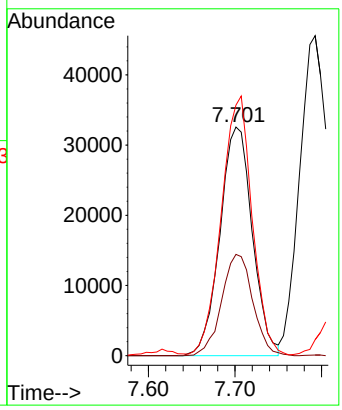


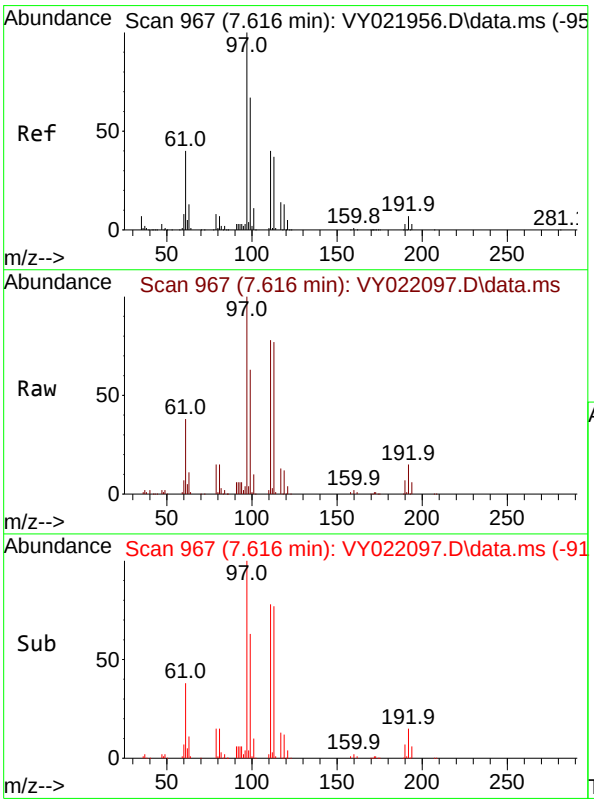
#31
Cyclohexane
Concen: 18.817 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 56 Resp: 84609

Ion	Ratio	Lower	Upper
56	100		
69	44.3	29.4	44.2#
84	108.7	82.2	123.4

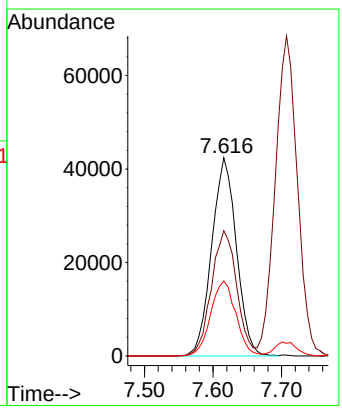


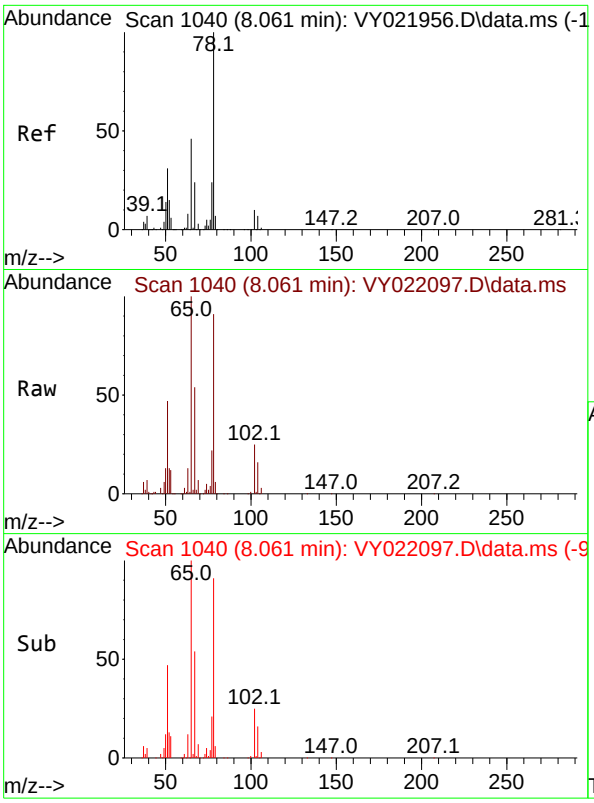


#32
1,1,1-Trichloroethane
Concen: 20.103 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 97 Resp: 106076

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	38.6	31.4	47.2



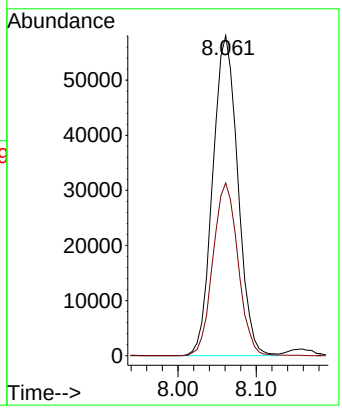


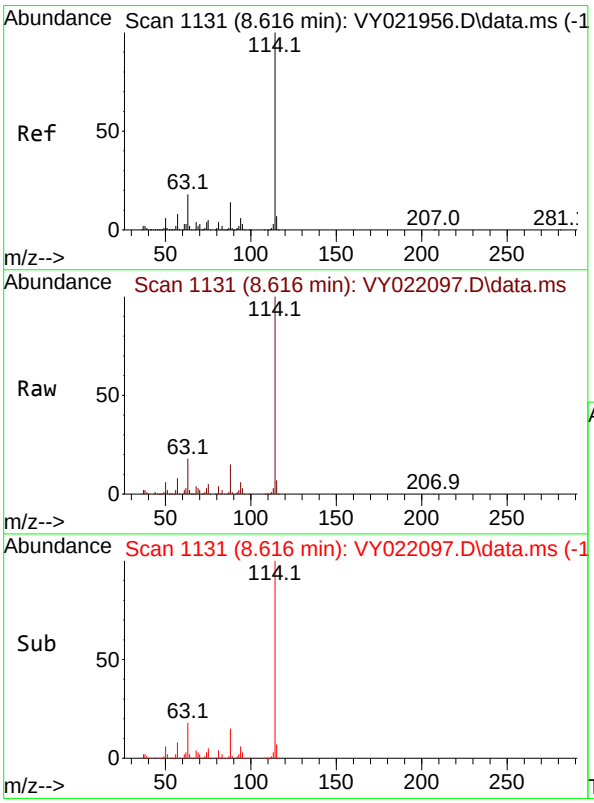
#33
1,2-Dichloroethane-d4
Concen: 47.479 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 65 Resp: 129149

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.8

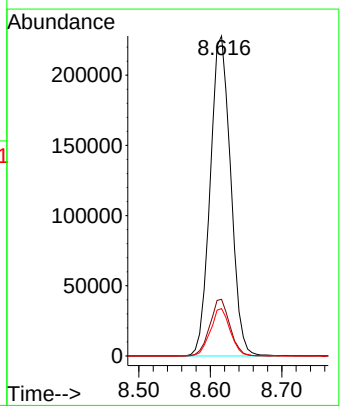


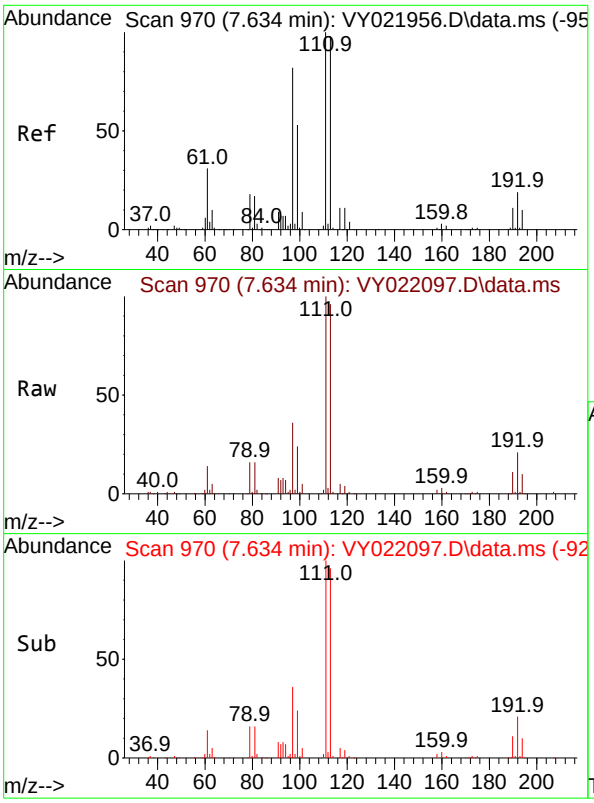


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:114 Resp: 452802

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.4
88	14.8	0.0	28.2



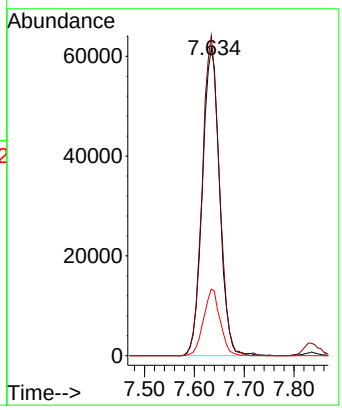


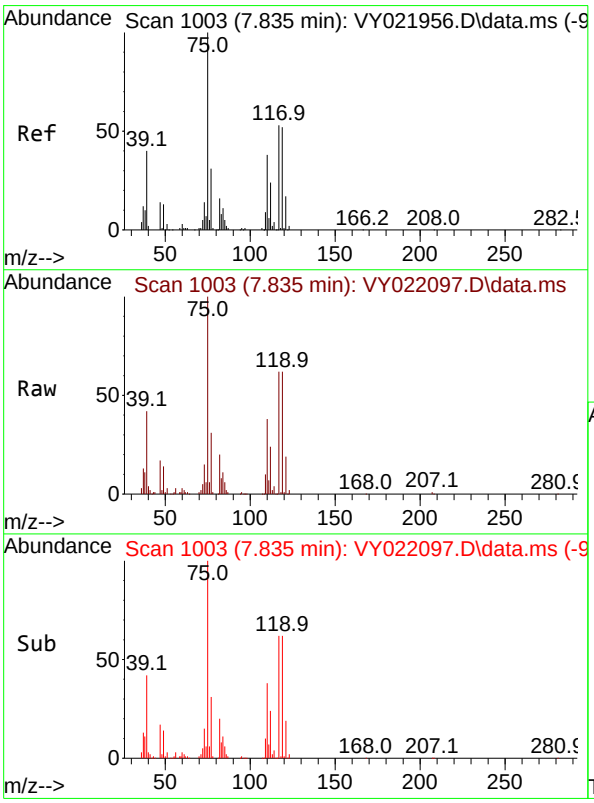
#35
Dibromofluoromethane
Concen: 49.549 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:113 Resp: 148223

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	20.8	15.6	23.4

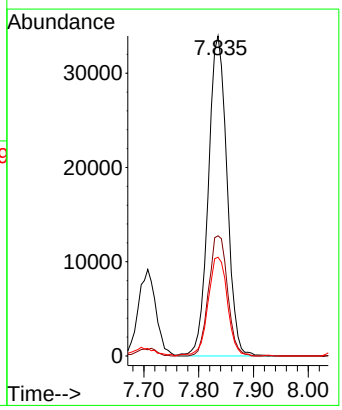


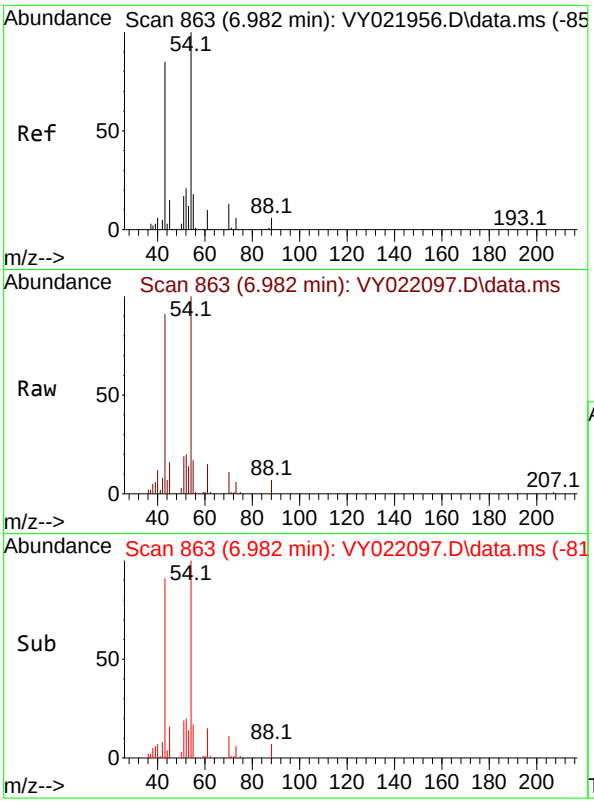


#36
1,1-Dichloropropene
Concen: 19.894 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 79939

Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.1	57.3
77	32.1	25.5	38.3



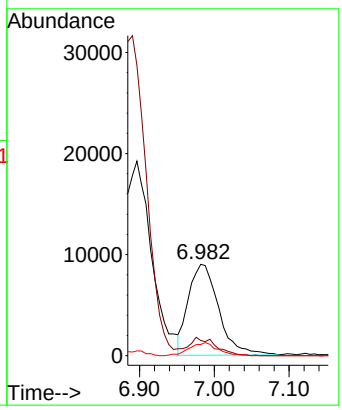


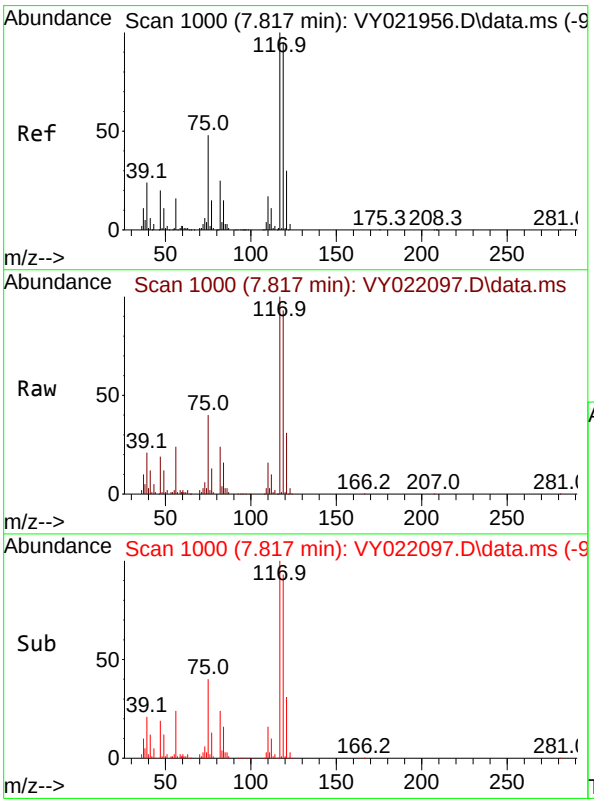
#37
Ethyl Acetate
Concen: 17.556 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 43 Resp: 25337

Ion	Ratio	Lower	Upper
43	100		
61	18.1	13.8	20.6
70	13.3	9.2	13.8

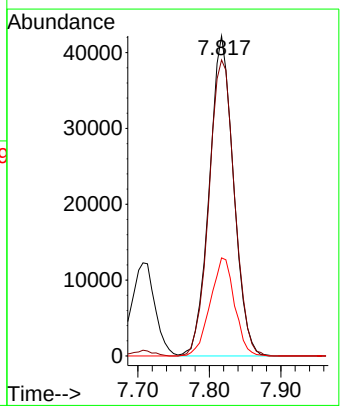


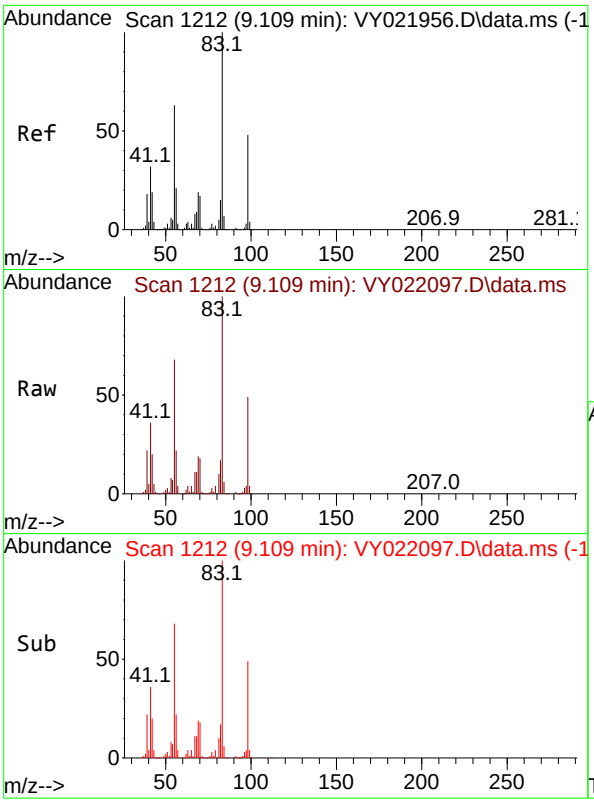


#38
Carbon Tetrachloride
Concen: 20.639 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:117 Resp: 99102

Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.2	114.4
121	30.6	24.0	36.0



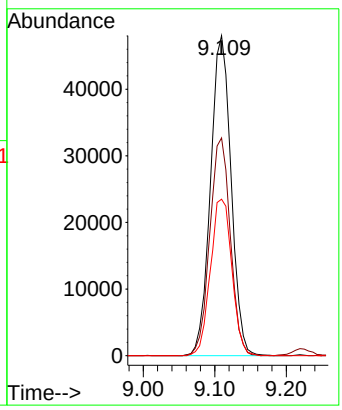


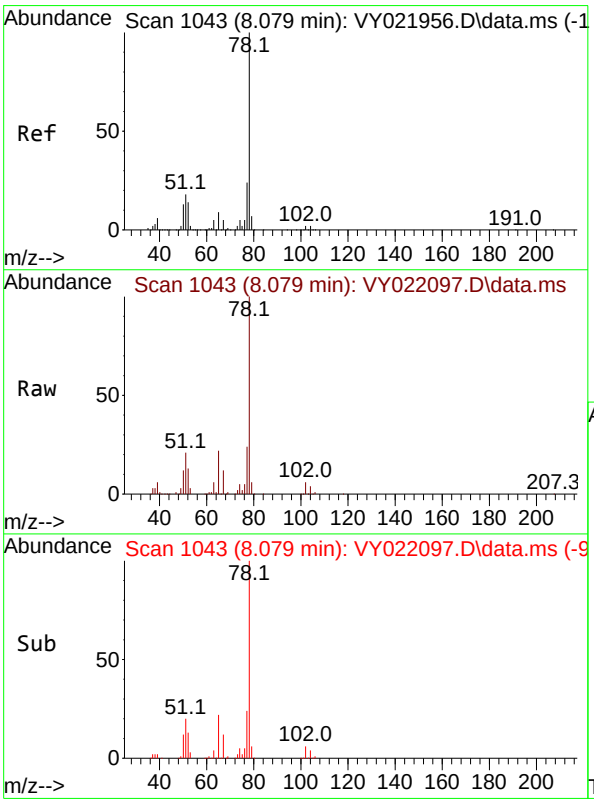
#39
Methylcyclohexane
Concen: 18.956 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 83 Resp: 95859

Ion	Ratio	Lower	Upper
83	100		
55	68.1	50.6	75.8
98	48.9	38.6	58.0

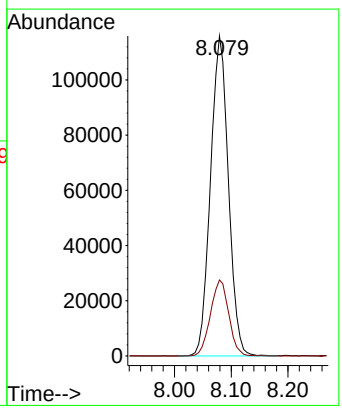


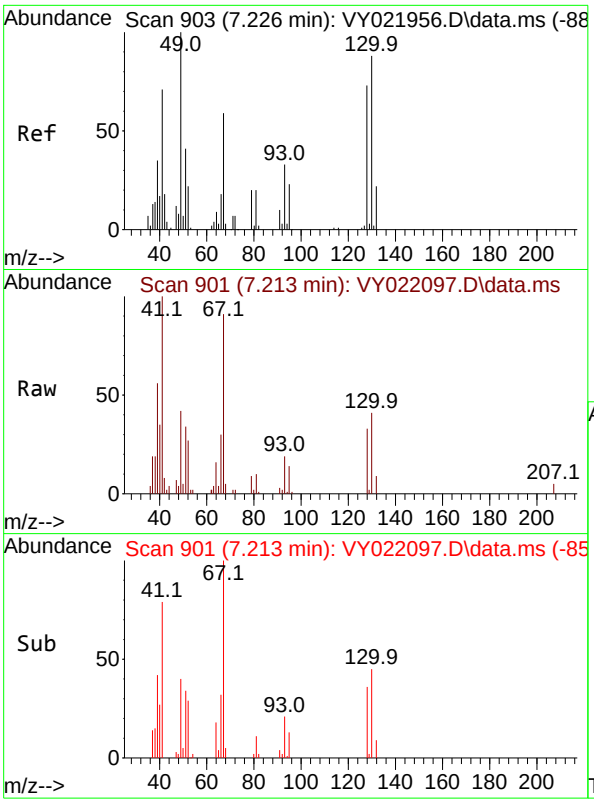


#40
Benzene
Concen: 20.248 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 78 Resp: 254338

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9



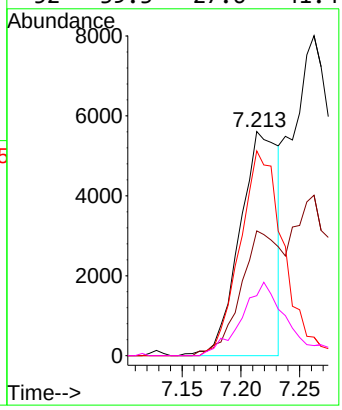


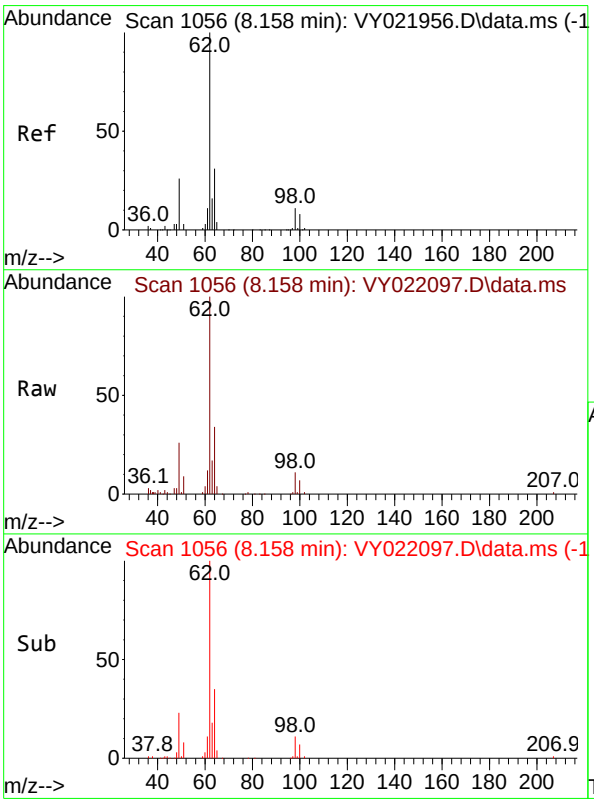
#41
Methacrylonitrile
Concen: 16.090 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 41 Resp: 12694

Ion	Ratio	Lower	Upper
41	100		
39	61.2	36.6	55.0#
67	104.3	72.2	108.4
52	39.3	27.6	41.4

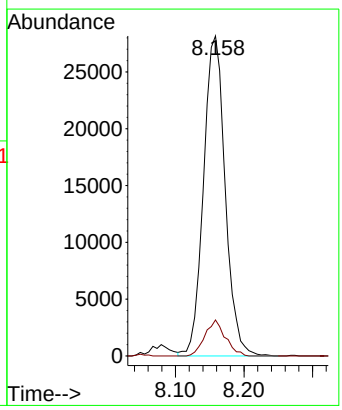


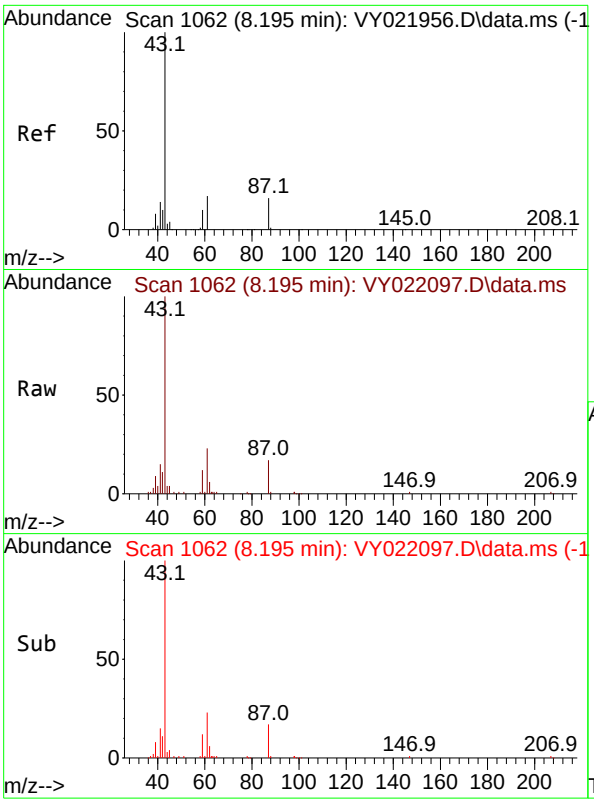


#42
1,2-Dichloroethane
Concen: 19.920 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 62 Resp: 61949

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0



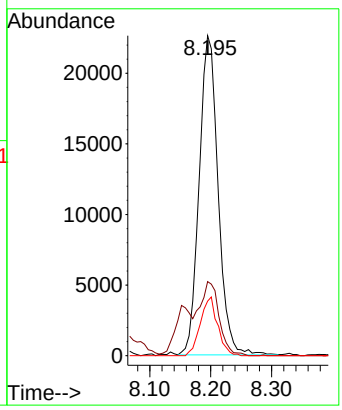


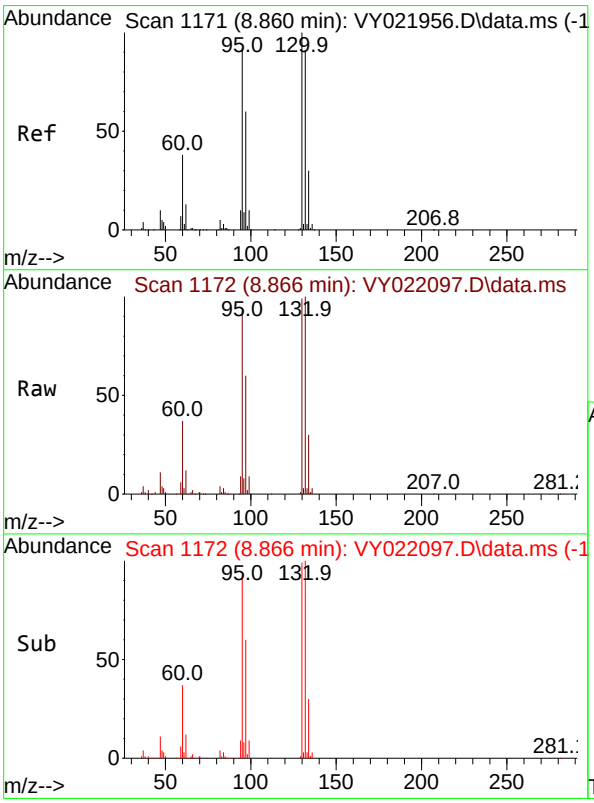
#43
Isopropyl Acetate
Concen: 17.639 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 43 Resp: 48886

Ion	Ratio	Lower	Upper
43	100		
61	24.1	18.9	28.3
87	16.7	13.7	20.5

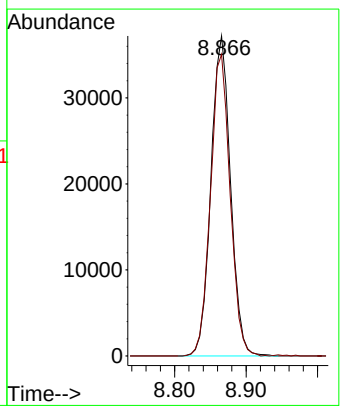


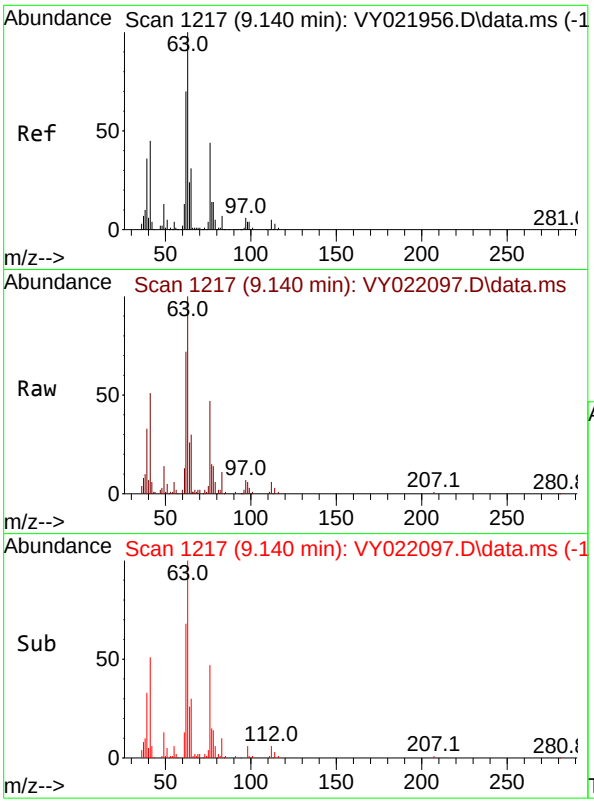


#44
Trichloroethene
Concen: 20.319 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:130 Resp: 70695

Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	183.2



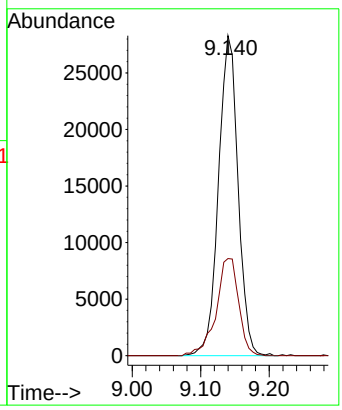


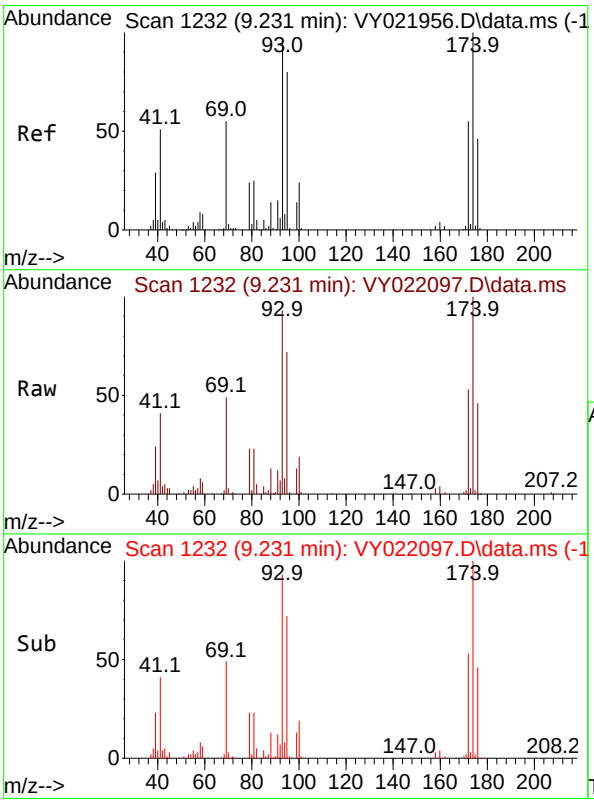
#45
1,2-Dichloropropane
Concen: 20.131 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 63 Resp: 55919

Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.2	37.8

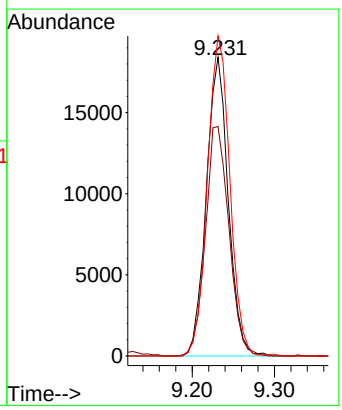


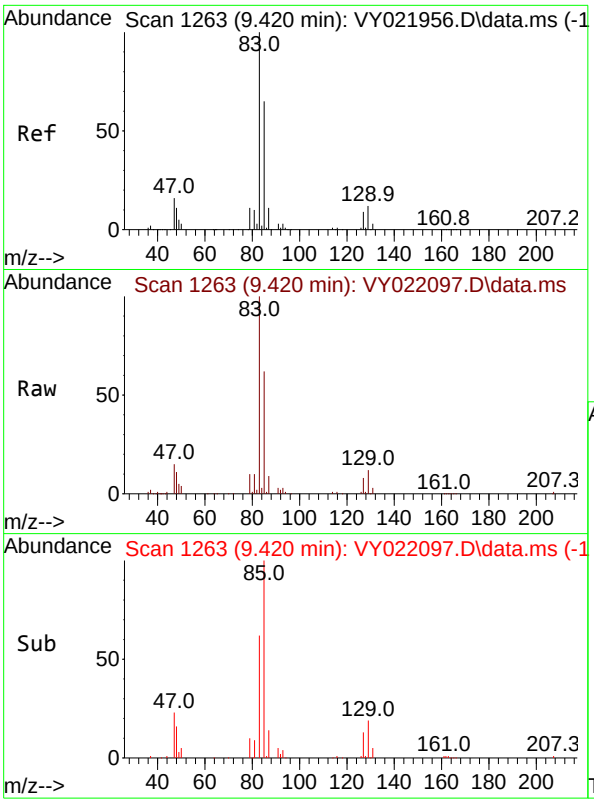


#46
Dibromomethane
Concen: 19.612 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 93 Resp: 34103

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.7	100.1
174	109.5	84.6	127.0



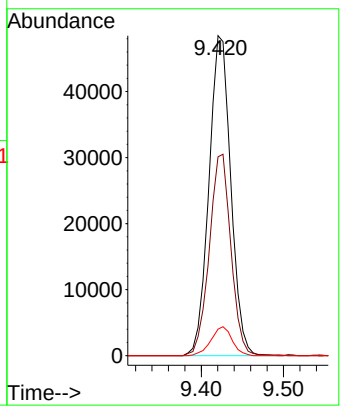


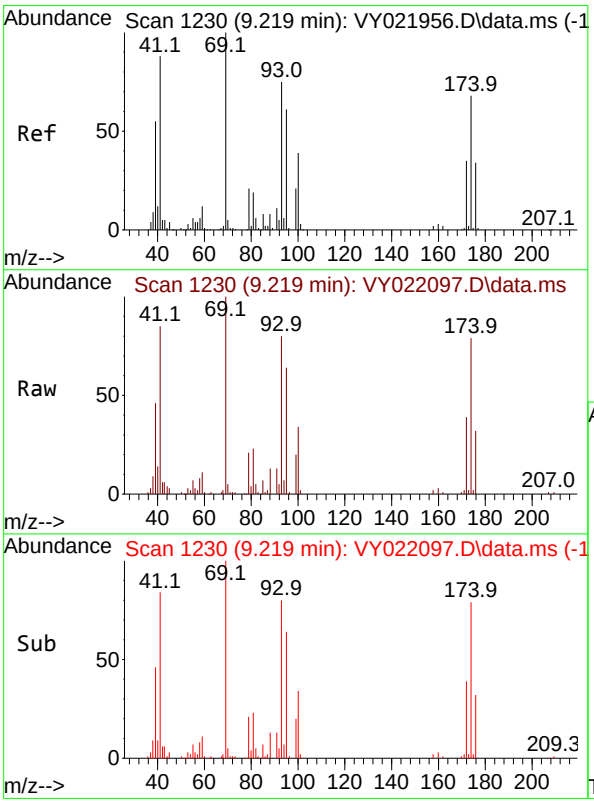
#47
Bromodichloromethane
Concen: 20.570 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 83 Resp: 89355

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.8
127	8.3	7.0	10.6

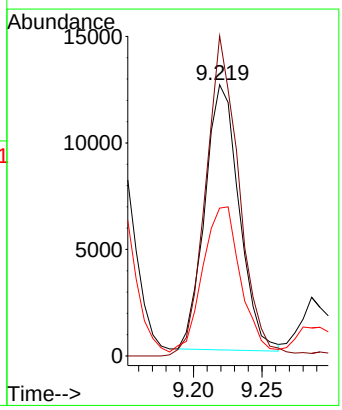


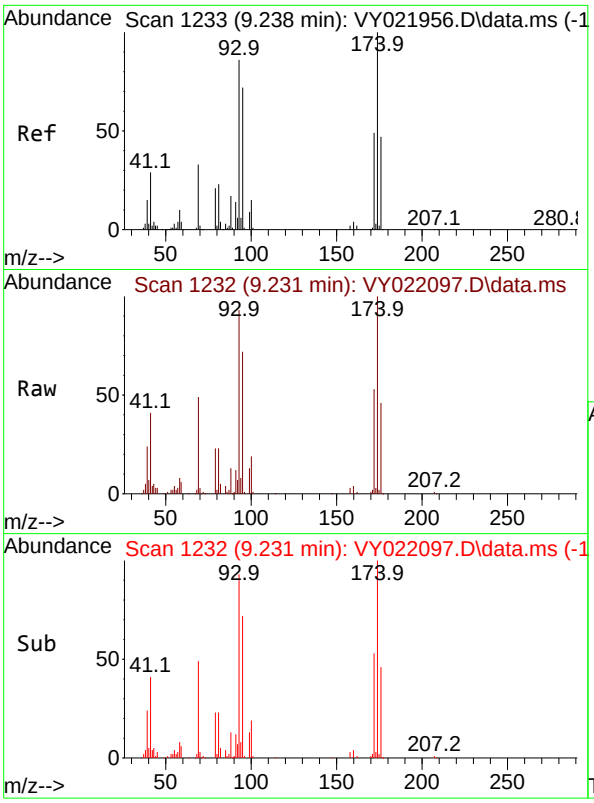


#48
Methyl methacrylate
Concen: 16.948 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 41 Resp: 21714

Ion	Ratio	Lower	Upper
41	100		
69	117.0	85.5	128.3
39	59.7	46.2	69.4



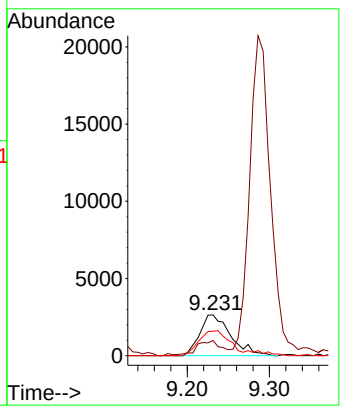


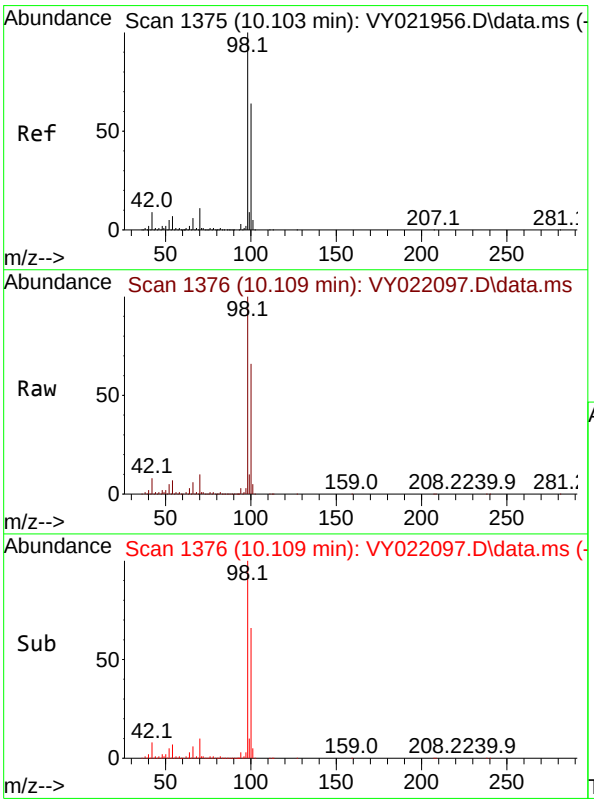
#49
1,4-Dioxane
Concen: 372.078 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 88 Resp: 6896

Ion	Ratio	Lower	Upper
88	100		
43	30.2	21.3	31.9
58	59.6	50.5	75.7

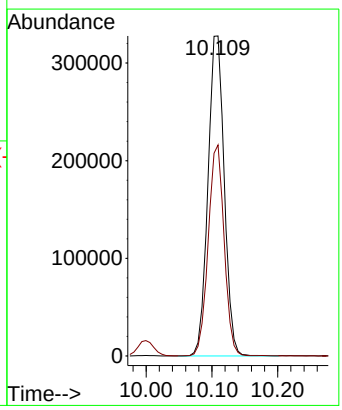


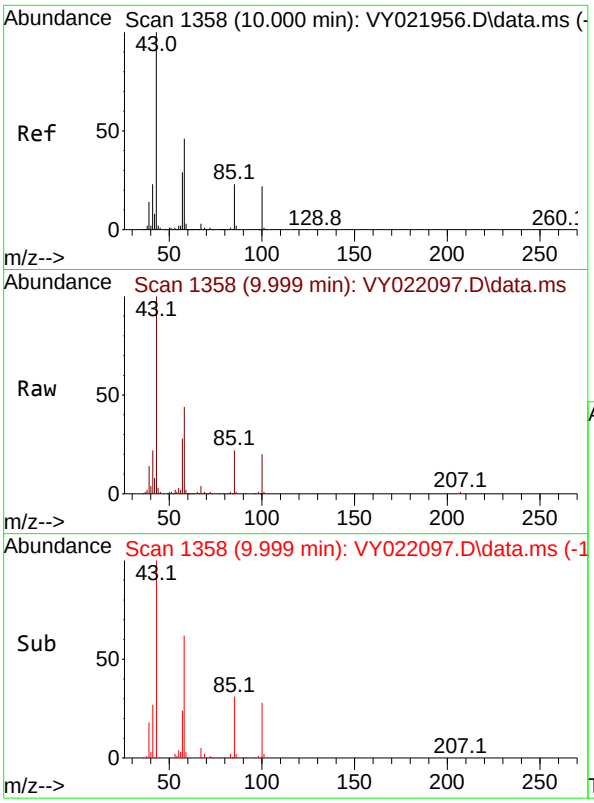


#50
Toluene-d8
Concen: 50.076 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 98 Resp: 564747

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4



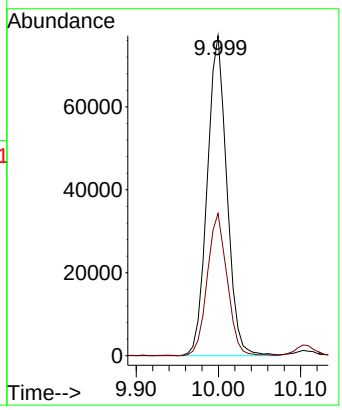


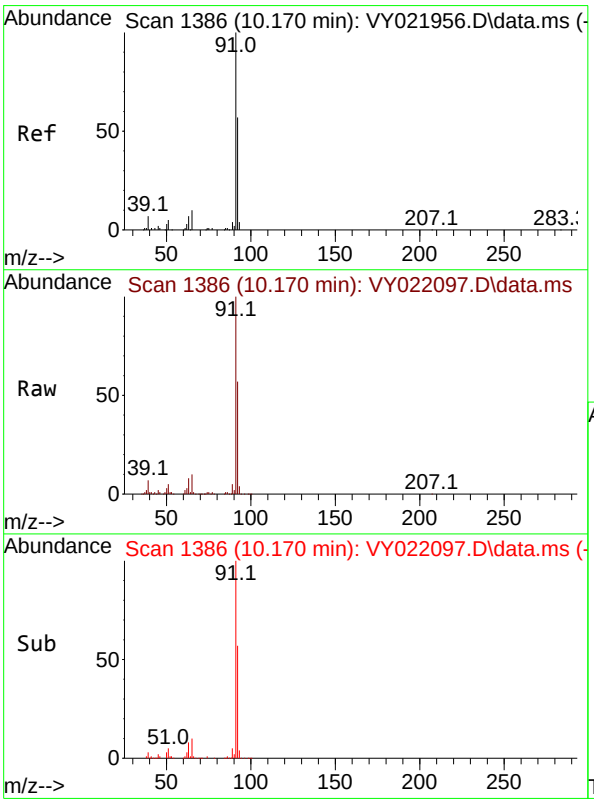
#51
4-Methyl-2-Pentanone
Concen: 88.084 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 43 Resp: 127974

Ion	Ratio	Lower	Upper
43	100		
58	45.0	36.6	55.0

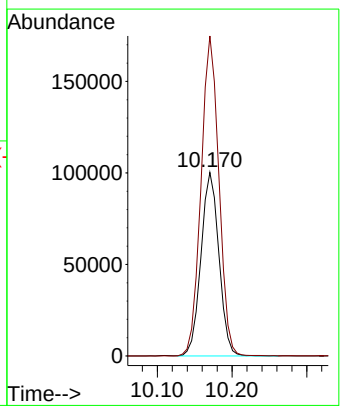


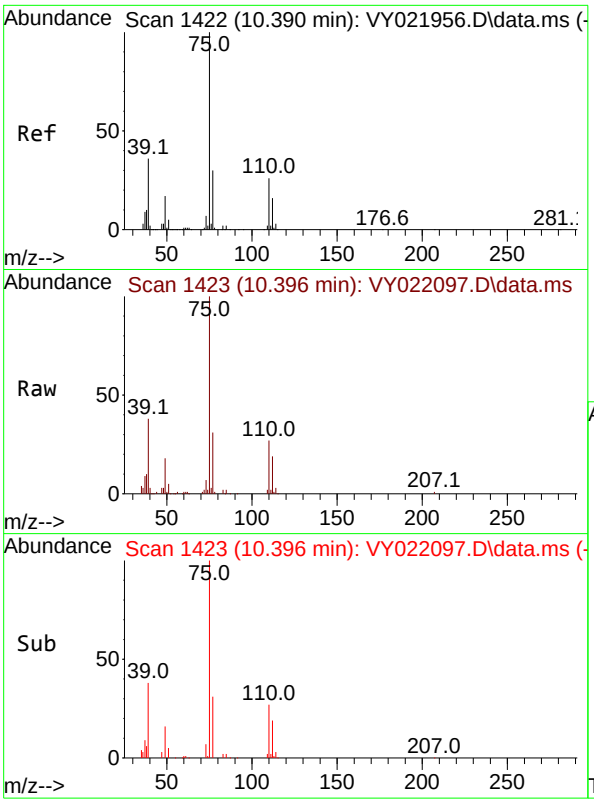


#52
Toluene
Concen: 20.562 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 92 Resp: 167187

Ion	Ratio	Lower	Upper
92	100		
91	174.0	138.6	207.8



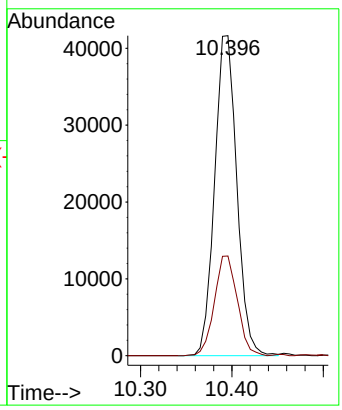


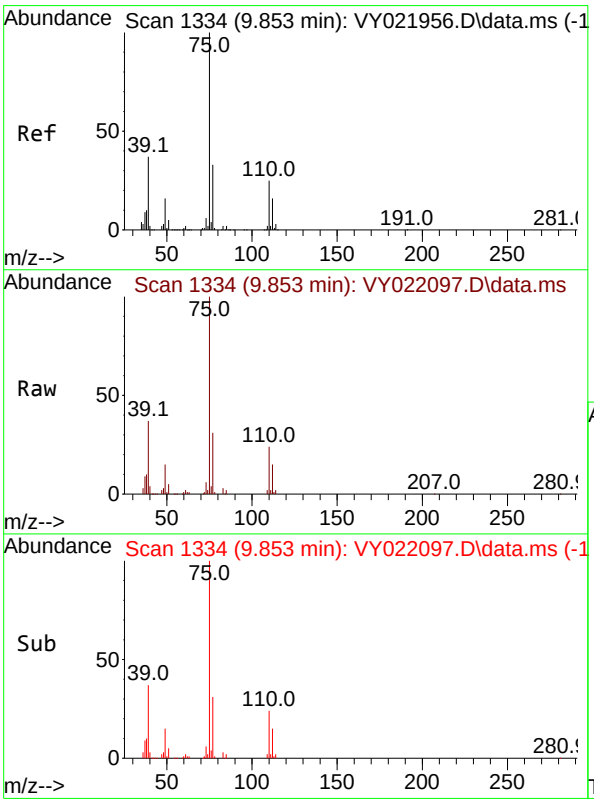
#53
t-1,3-Dichloropropene
Concen: 18.912 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 75 Resp: 70469

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.0	36.0

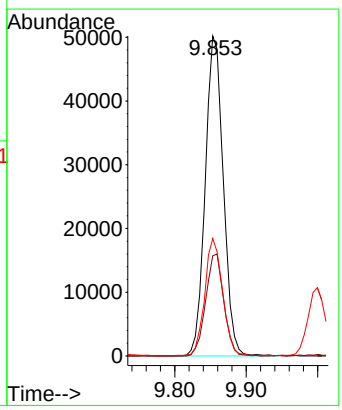


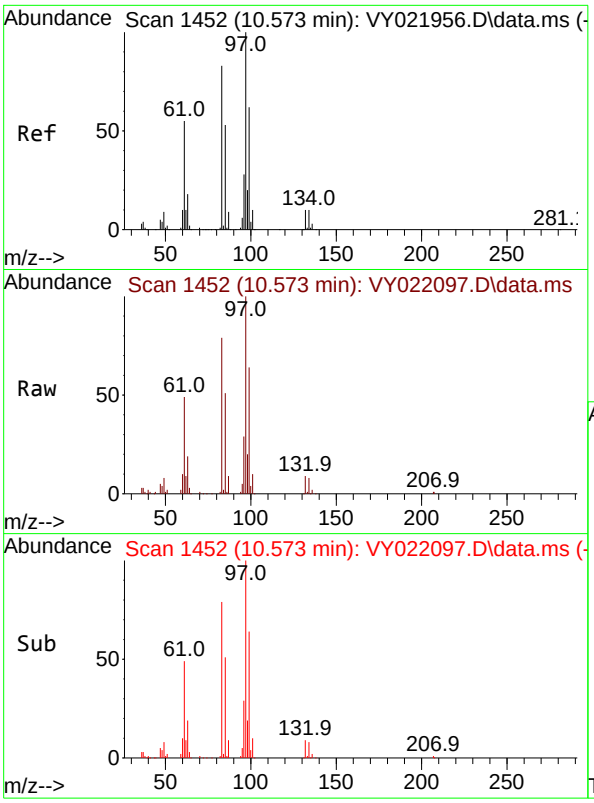


#54
cis-1,3-Dichloropropene
Concen: 19.912 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 88193

Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.6	40.0
39	36.5	29.6	44.4



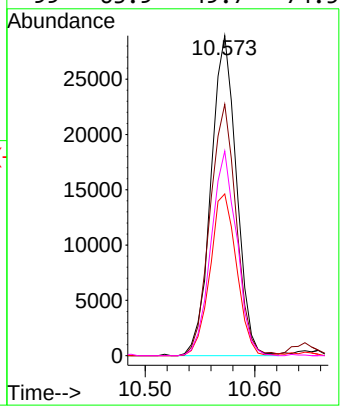


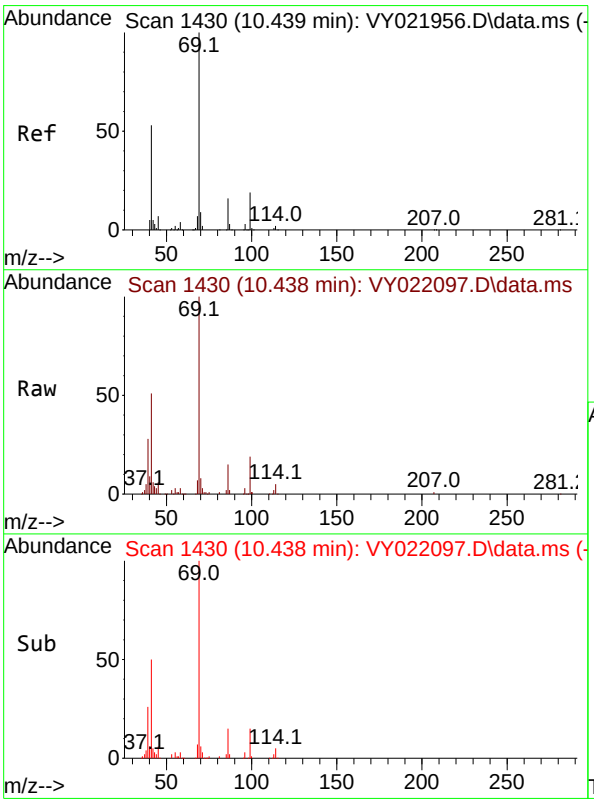
#55
1,1,2-Trichloroethane
Concen: 20.150 ug/l
RT: 10.573 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 97 Resp: 46804

Ion	Ratio	Lower	Upper
97	100		
83	78.5	66.7	100.1
85	50.5	42.6	64.0
99	63.9	49.7	74.5

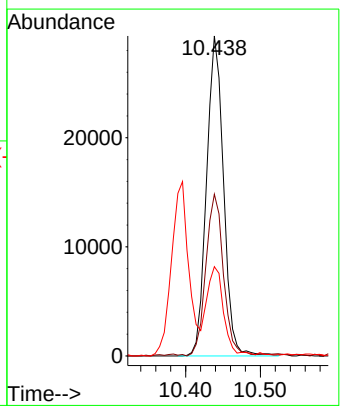


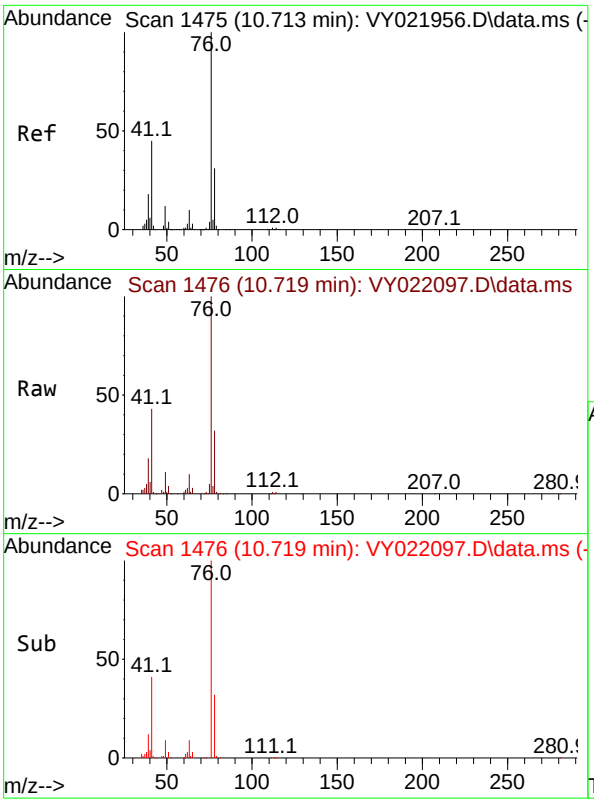


#56
Ethyl methacrylate
Concen: 17.476 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 69 Resp: 46419

Ion	Ratio	Lower	Upper
69	100		
41	52.4	40.7	61.1
39	26.8	23.3	34.9



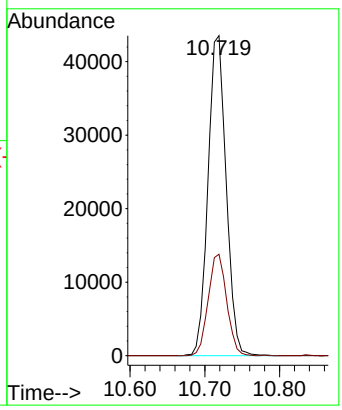


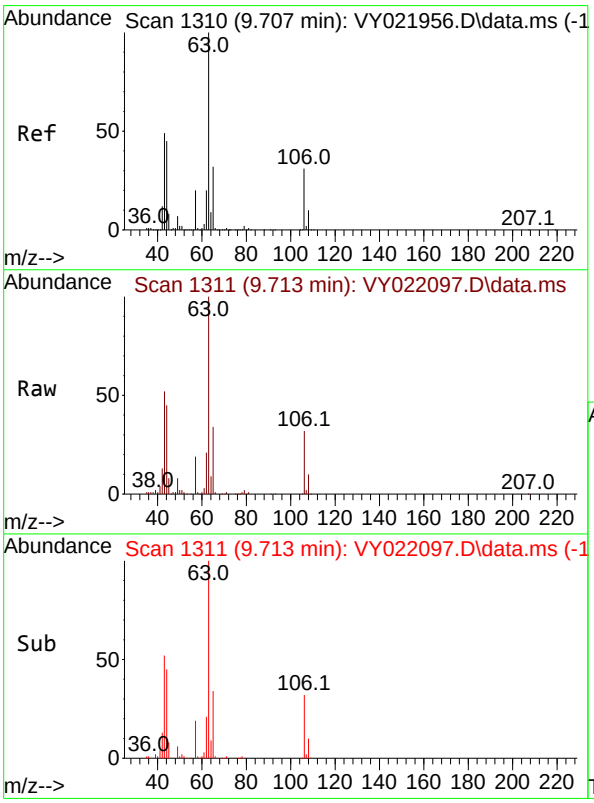
#57
1,3-Dichloropropane
Concen: 19.697 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 76 Resp: 73345

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.6	39.8

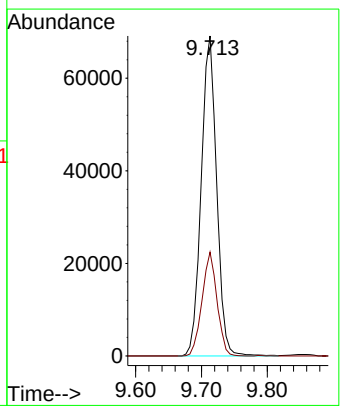


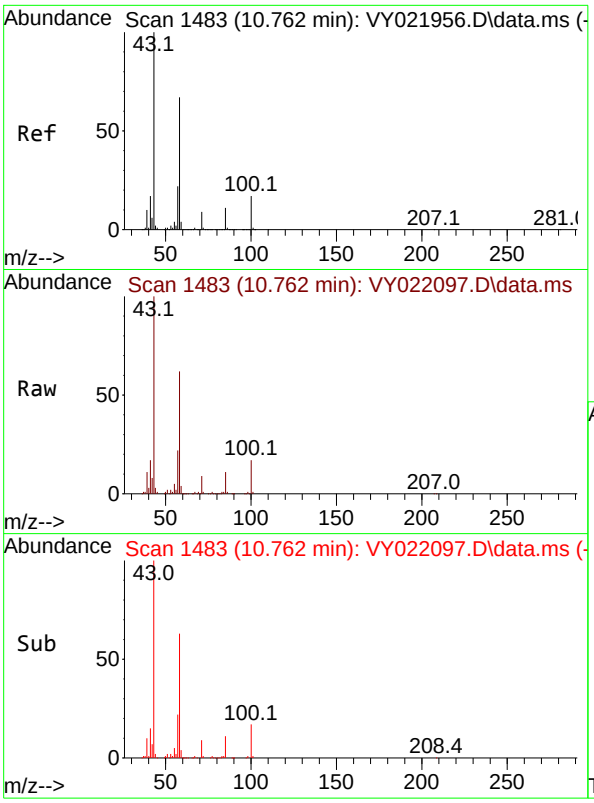


#58
2-Chloroethyl Vinyl ether
Concen: 86.715 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 63 Resp: 112618

Ion	Ratio	Lower	Upper
63	100		
106	31.4	25.3	37.9



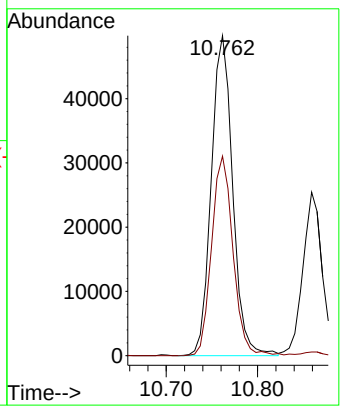


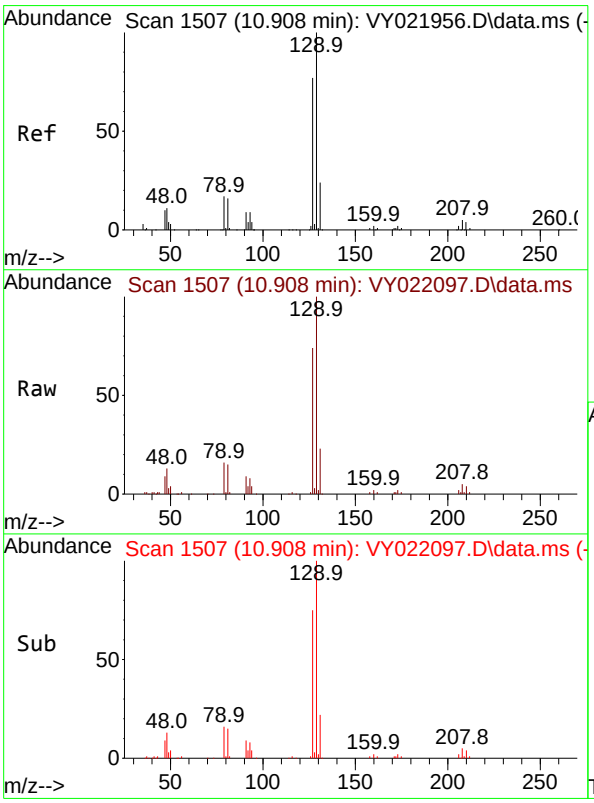
#59
2-Hexanone
Concen: 84.678 ug/l
RT: 10.762 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 43 Resp: 81146

Ion	Ratio	Lower	Upper
43	100		
58	62.4	32.0	96.0

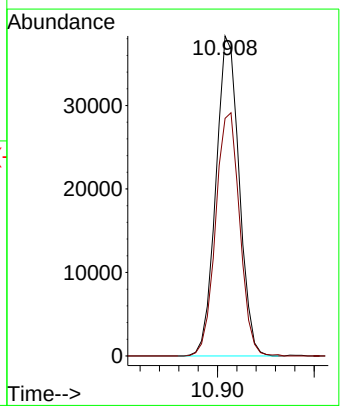


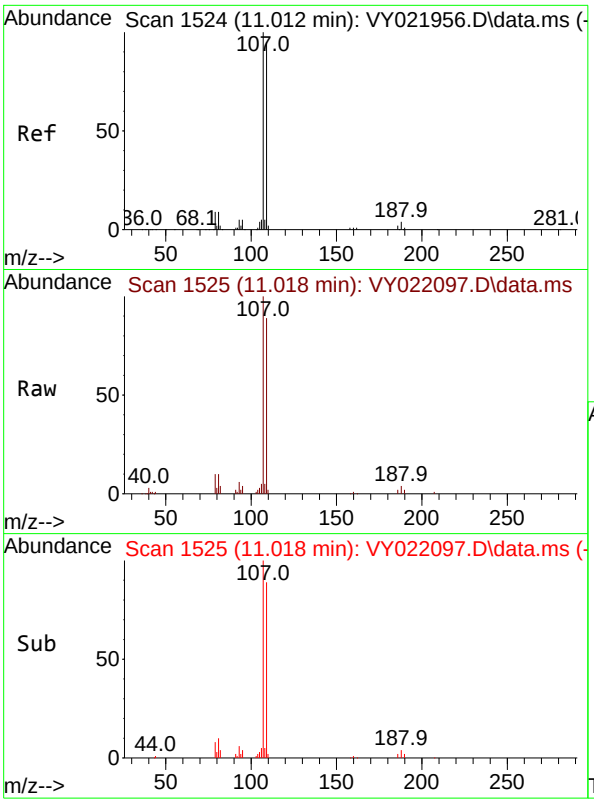


#60
Dibromochloromethane
Concen: 19.827 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:129 Resp: 63759

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.5	115.3



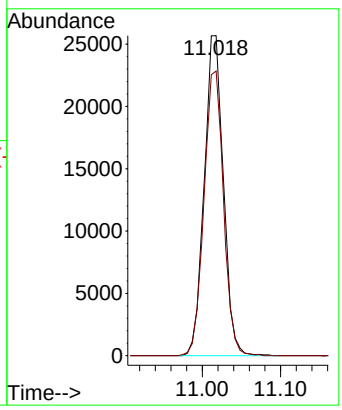


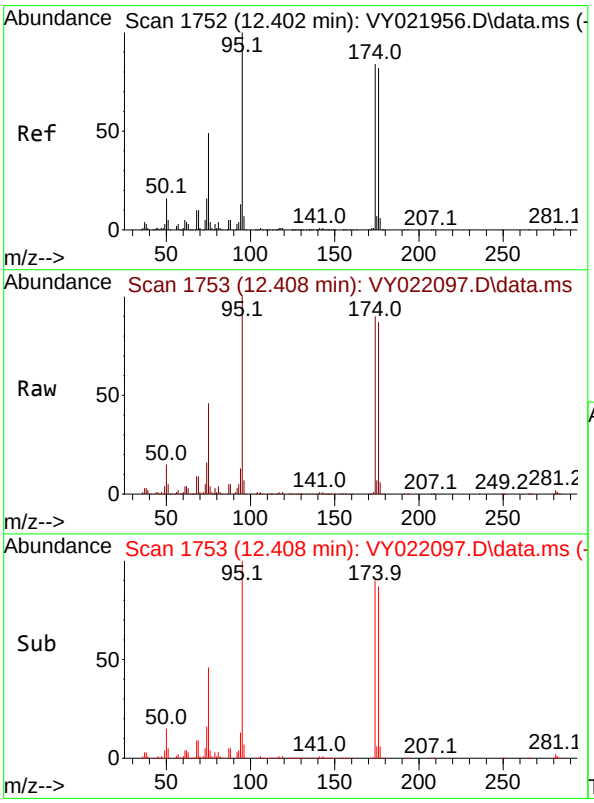
#61
1,2-Dibromoethane
Concen: 19.884 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:107 Resp: 43603

Ion	Ratio	Lower	Upper
107	100		
109	90.6	75.8	113.8

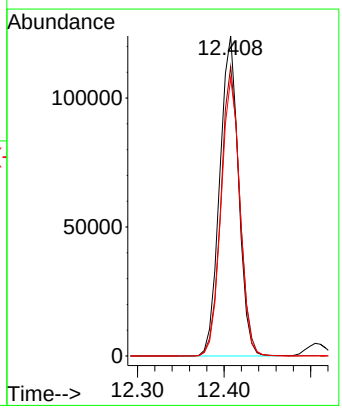


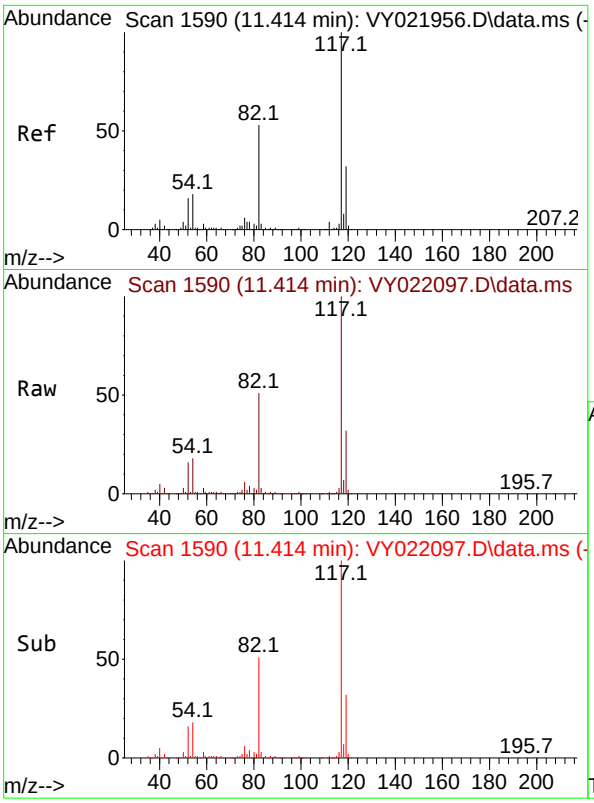


#62
4-Bromofluorobenzene
Concen: 49.257 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 95 Resp: 187006

Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	179.0
176	87.2	0.0	171.8



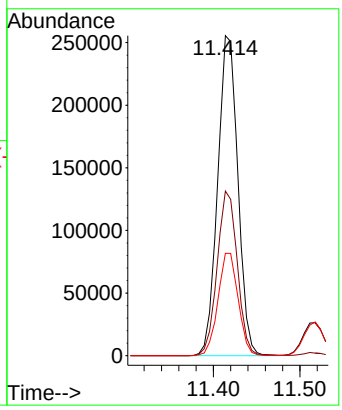


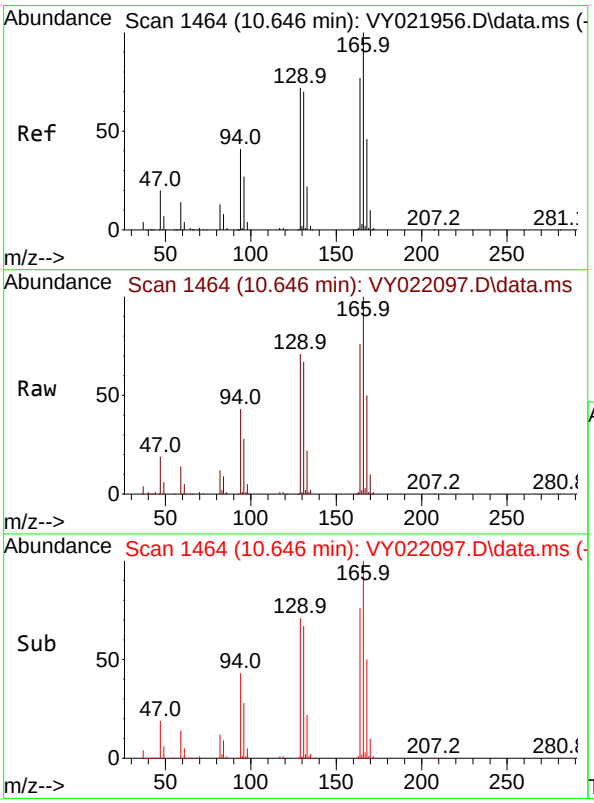
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:117 Resp: 414235

Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.1	63.1
119	32.0	25.7	38.5

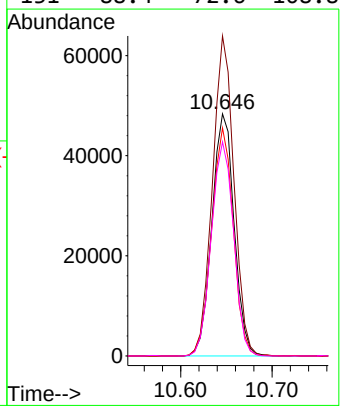


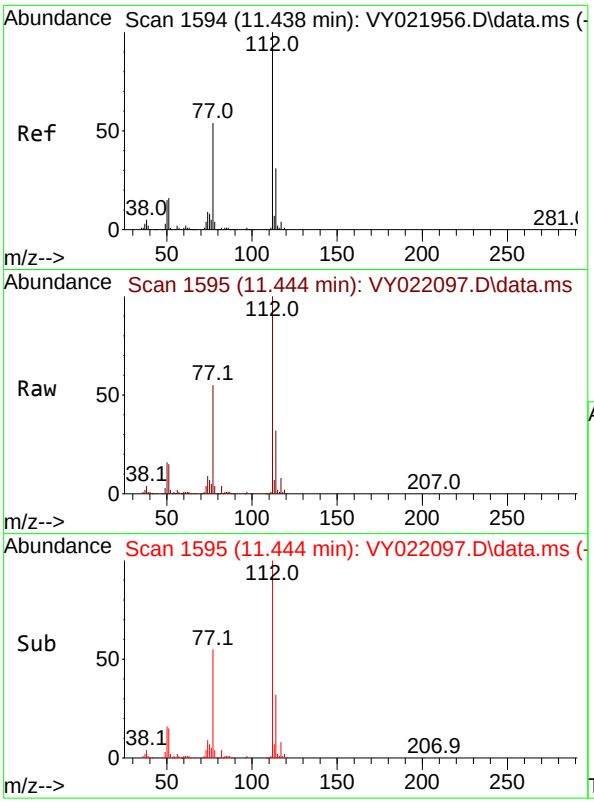


#64
Tetrachloroethene
Concen: 20.925 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:164 Resp: 81769

Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.6	155.4
129	94.2	74.2	111.4
131	88.4	72.6	108.8



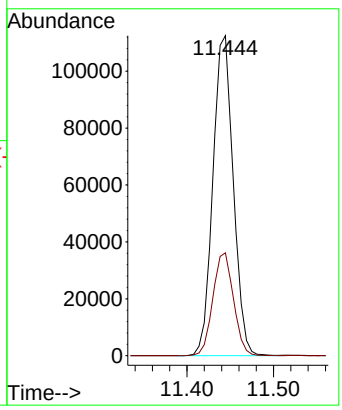


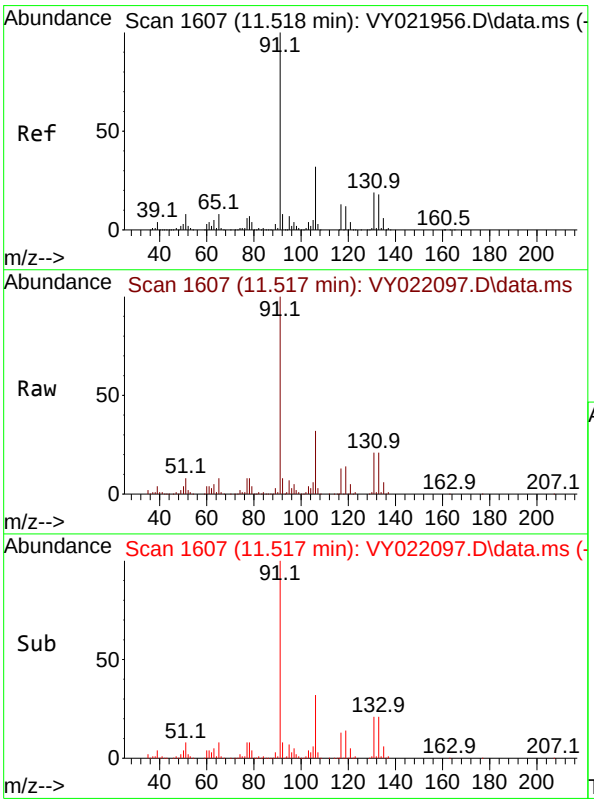
#65
Chlorobenzene
Concen: 19.830 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:112 Resp: 183689

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.4

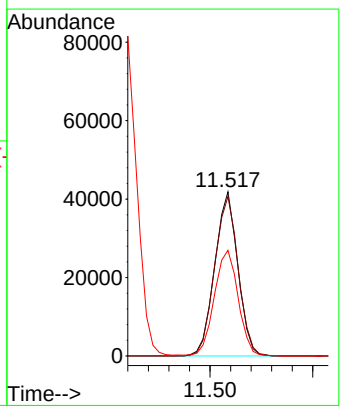


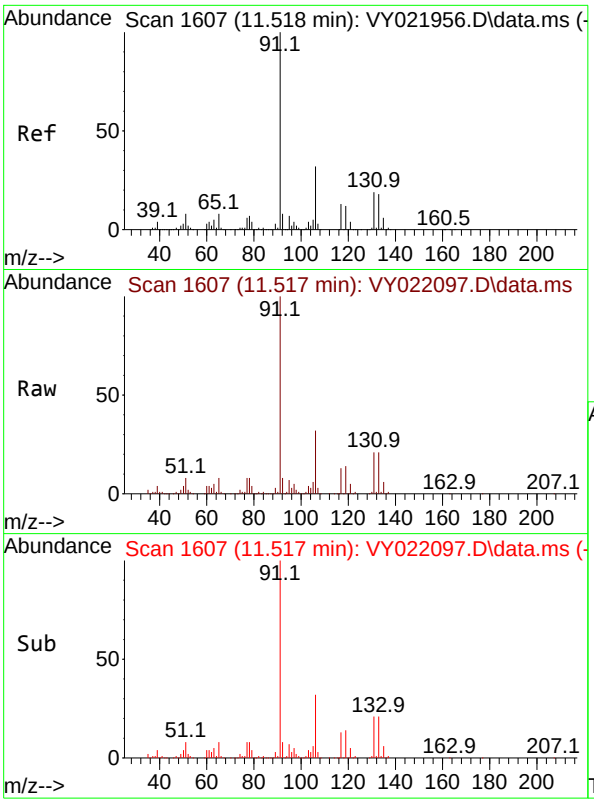


#66
1,1,1,2-Tetrachloroethane
Concen: 19.952 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:131 Resp: 65069

Ion	Ratio	Lower	Upper
131	100		
133	99.4	47.8	143.3
119	66.7	32.4	97.0



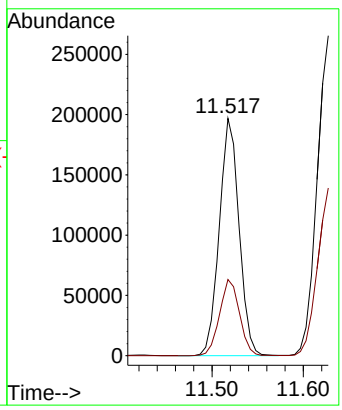


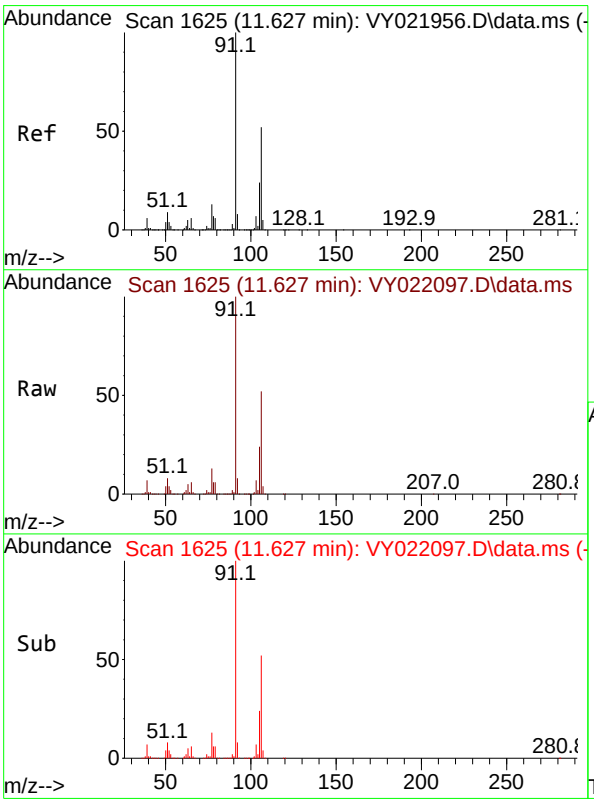
#67
Ethyl Benzene
Concen: 19.525 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 91 Resp: 295862

Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.9	38.9

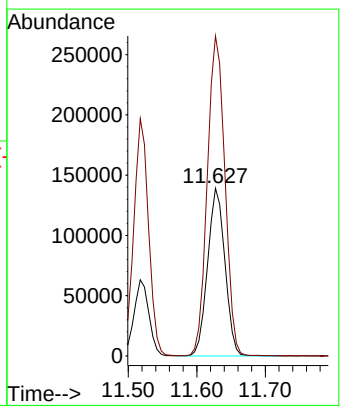


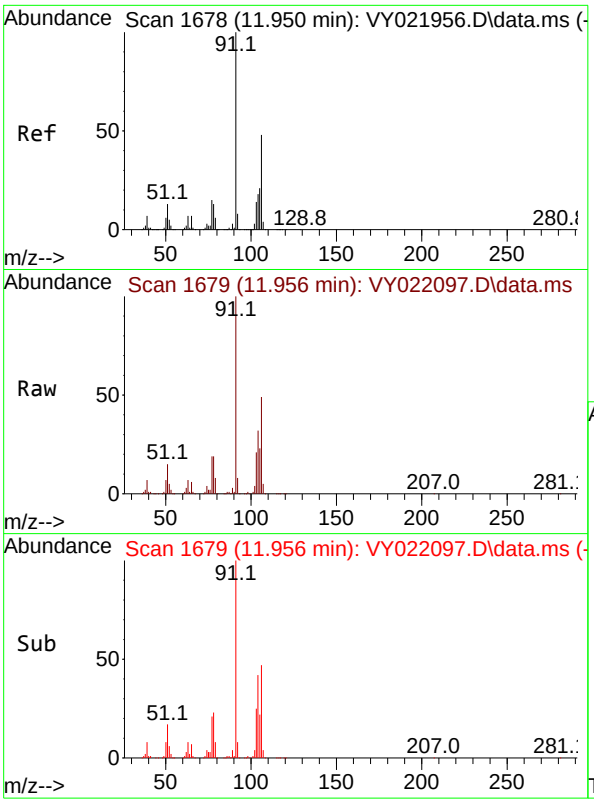


#68
m/p-Xylenes
Concen: 40.518 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:106 Resp: 244316

Ion	Ratio	Lower	Upper
106	100		
91	193.6	156.2	234.2



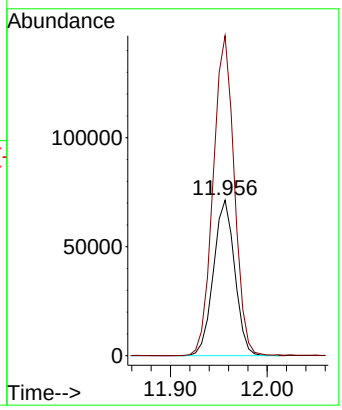


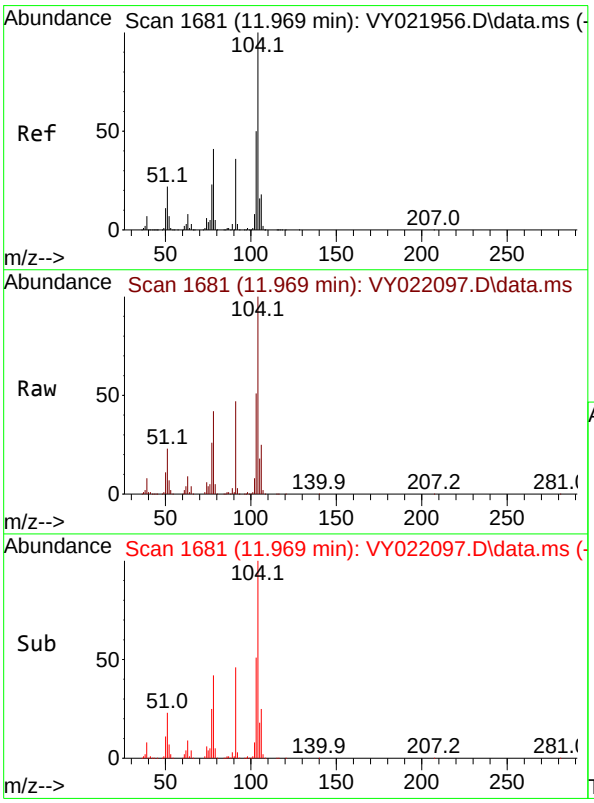
#69
o-Xylene
Concen: 19.629 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:106 Resp: 109092

Ion	Ratio	Lower	Upper
106	100		
91	204.4	103.0	308.9

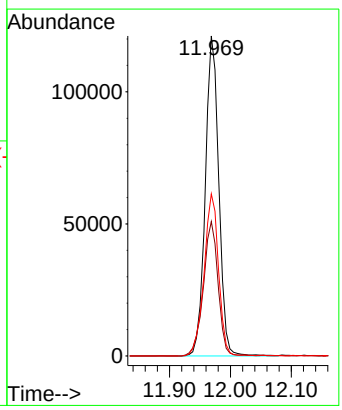


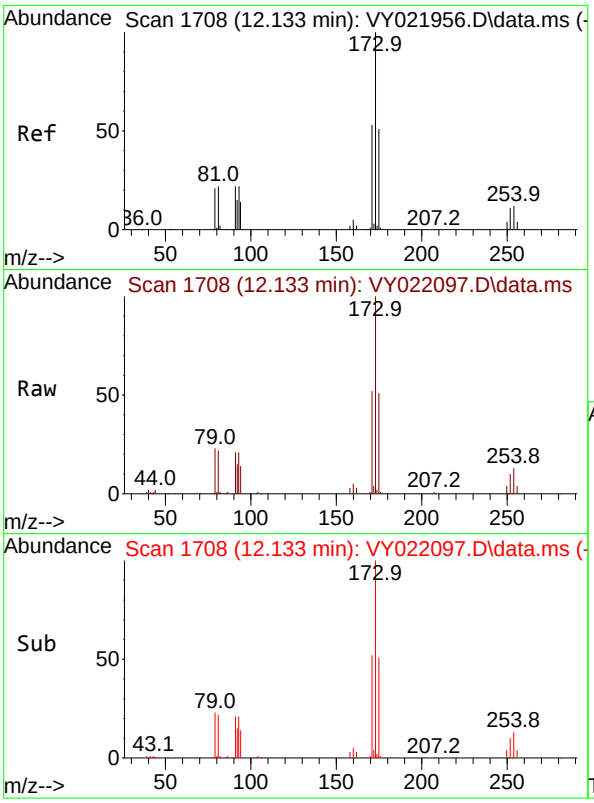


#70
Styrene
Concen: 20.081 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:104 Resp: 187388

Ion	Ratio	Lower	Upper
104	100		
78	45.7	36.6	54.8
103	54.0	43.8	65.8



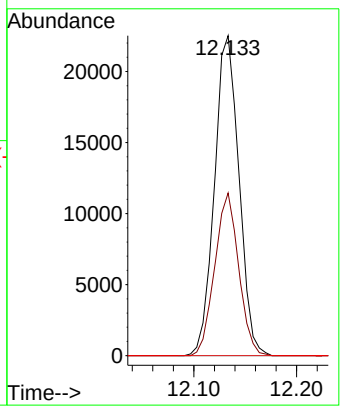


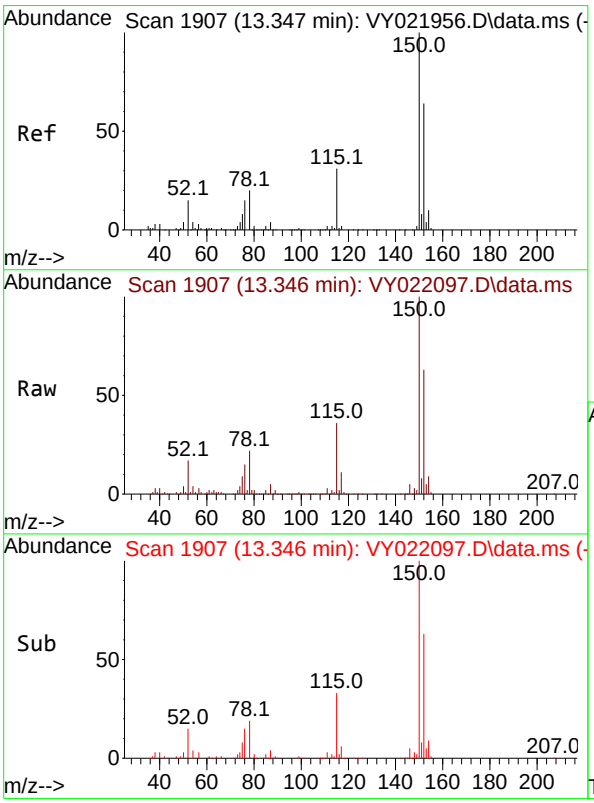
#71
Bromoform
Concen: 19.615 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:173 Resp: 37191

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.0	0.0

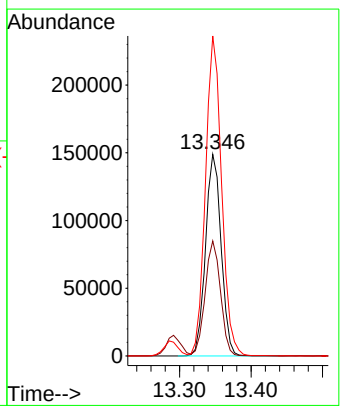


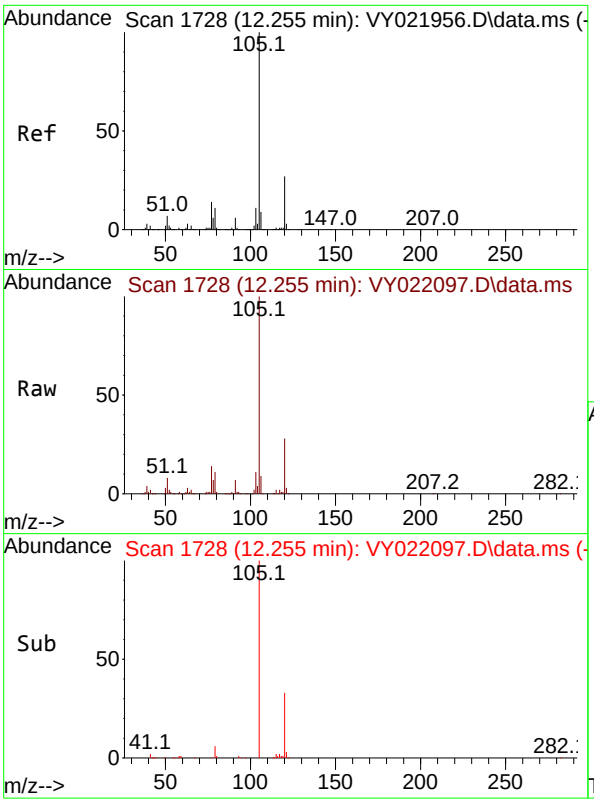


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:152 Resp: 225406

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.0	84.0
150	164.1	0.0	345.6



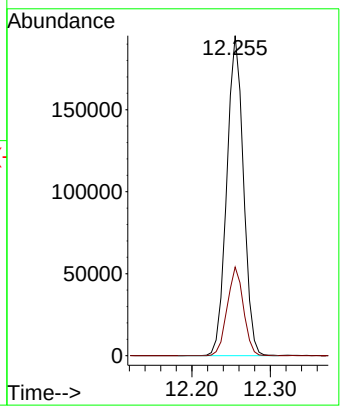


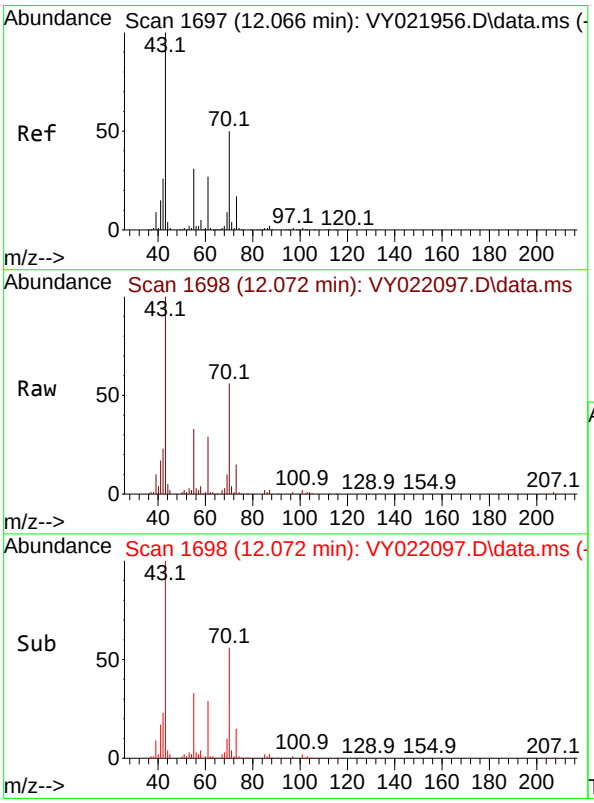
#73
Isopropylbenzene
Concen: 19.173 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:105 Resp: 288742

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5

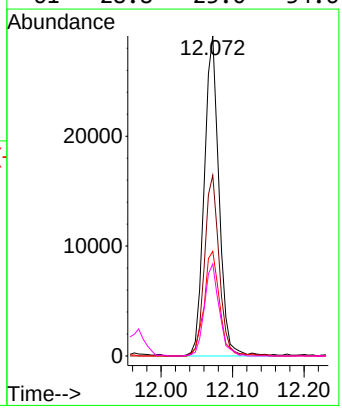


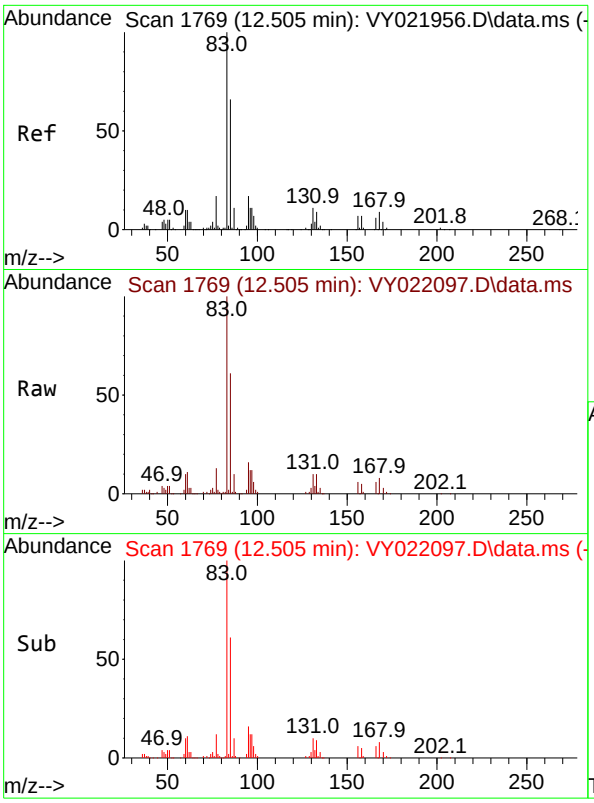


#74
N-amyl acetate
Concen: 16.178 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 43 Resp: 41858

Ion	Ratio	Lower	Upper
43	100		
70	55.9	43.2	64.8
55	34.5	25.7	38.5
61	28.8	23.0	34.6



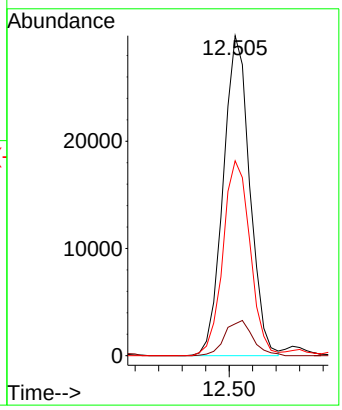


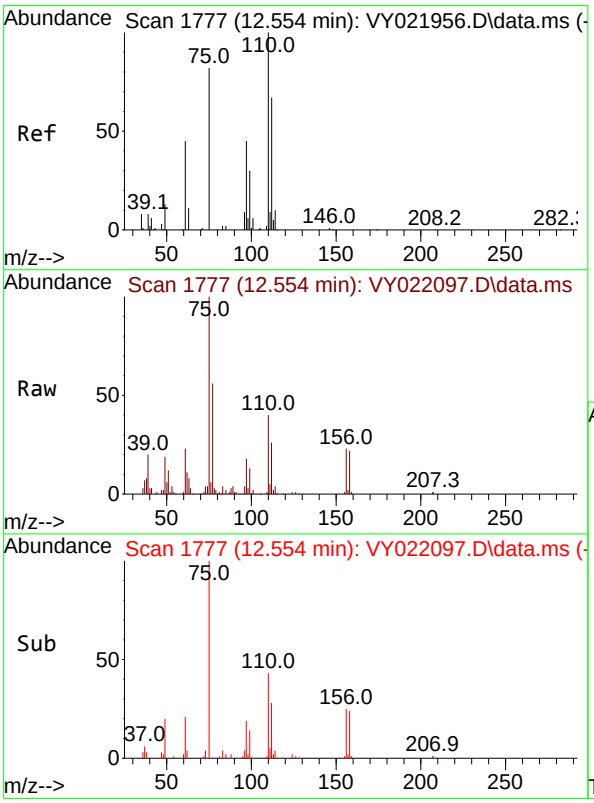
#75
1,1,2,2-Tetrachloroethane
Concen: 18.407 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 83 Resp: 46736

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	62.4	32.3	96.8

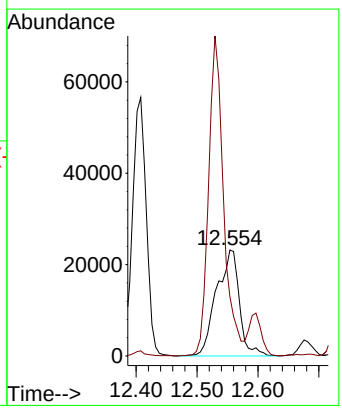


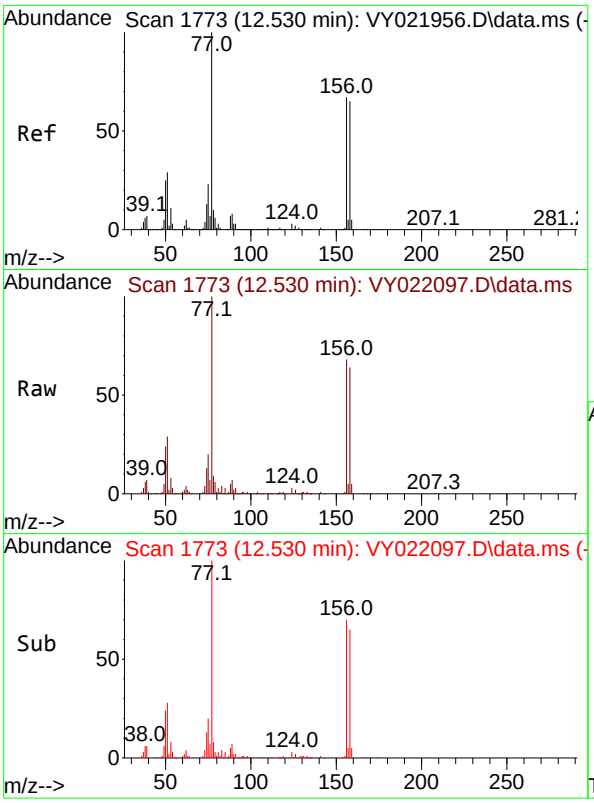


#76
1,2,3-Trichloropropane
Concen: 31.306 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 60442

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



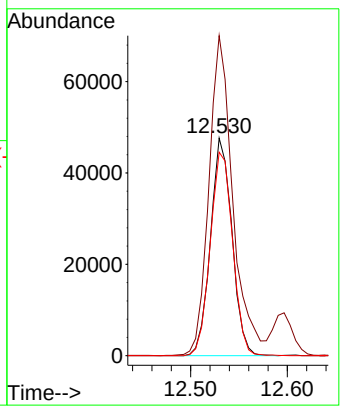


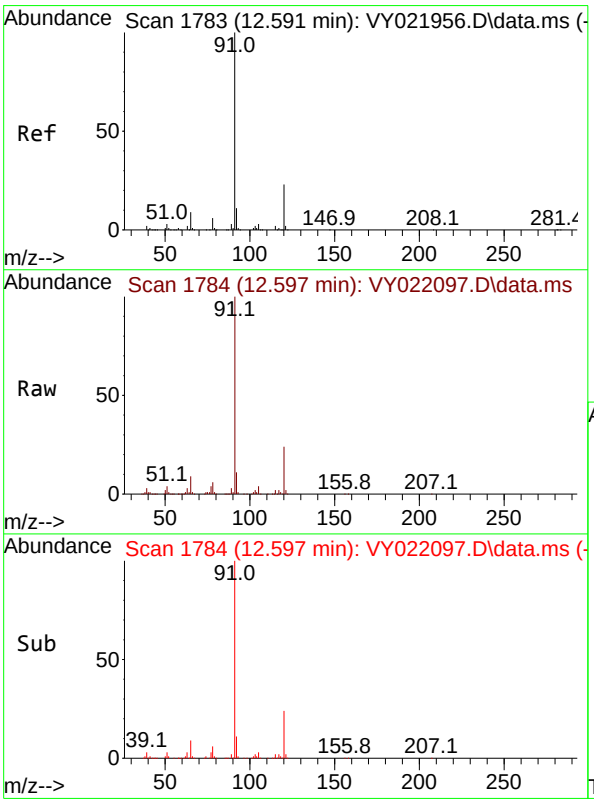
#77
Bromobenzene
Concen: 19.326 ug/l
RT: 12.530 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:156 Resp: 73542

Ion	Ratio	Lower	Upper
156	100		
77	162.7	82.7	248.1
158	97.4	48.1	144.4

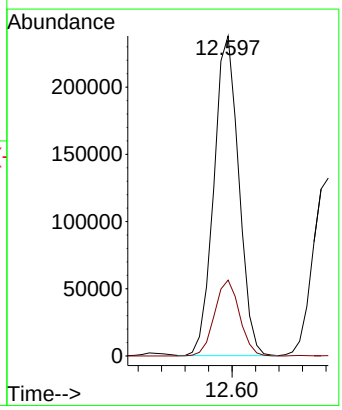


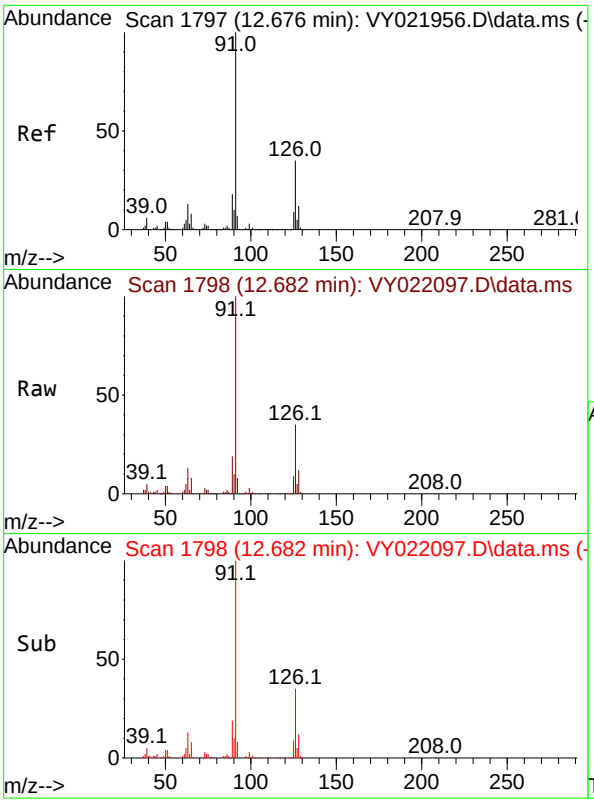


#78
n-propylbenzene
Concen: 19.510 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 91 Resp: 349898

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5



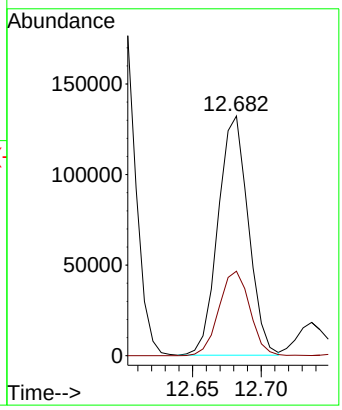


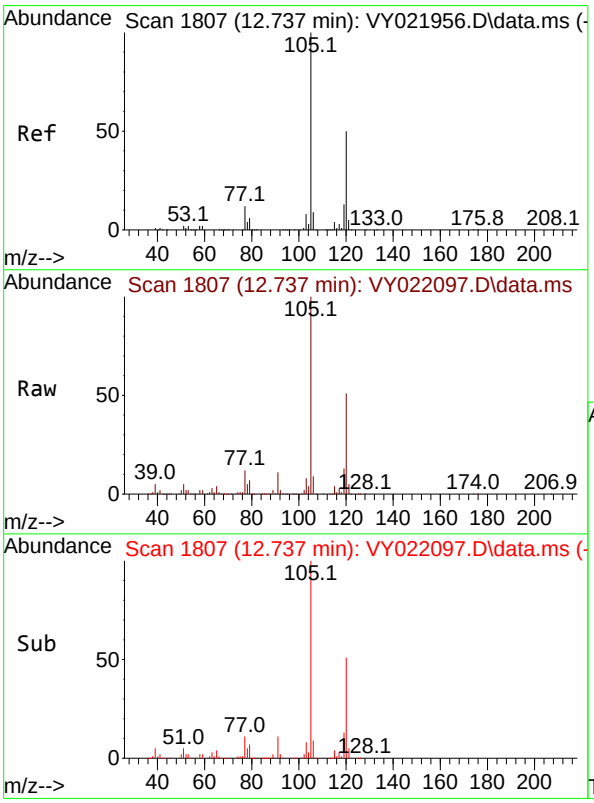
#79
2-Chlorotoluene
Concen: 19.494 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 91 Resp: 203324

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.9	53.8

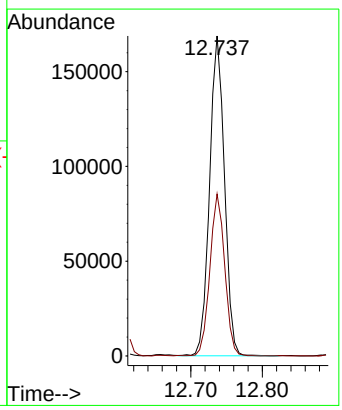


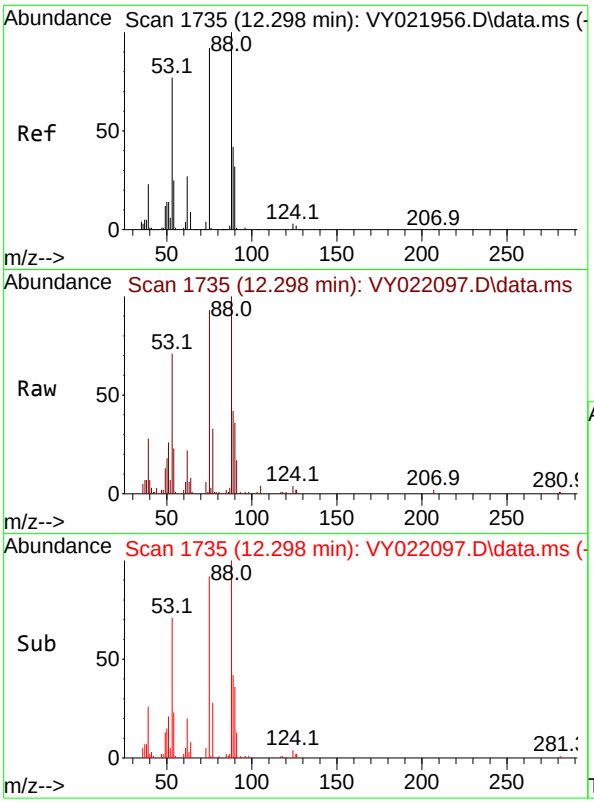


#80
1,3,5-Trimethylbenzene
Concen: 19.627 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:105 Resp: 243534

Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.0	75.0



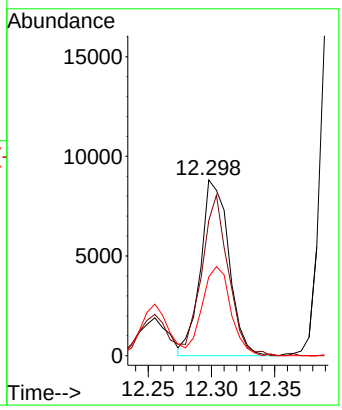


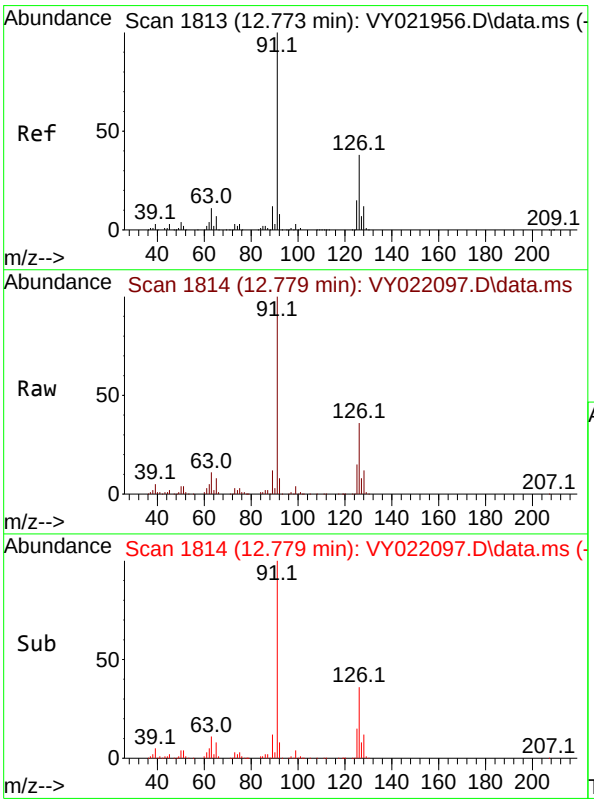
#81
trans-1,4-Dichloro-2-butene
Concen: 17.090 ug/l
RT: 12.298 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 75 Resp: 13702

Ion	Ratio	Lower	Upper
75	100		
53	84.6	66.0	99.0
89	51.1	37.2	55.8

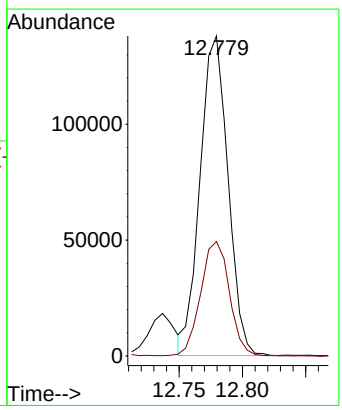


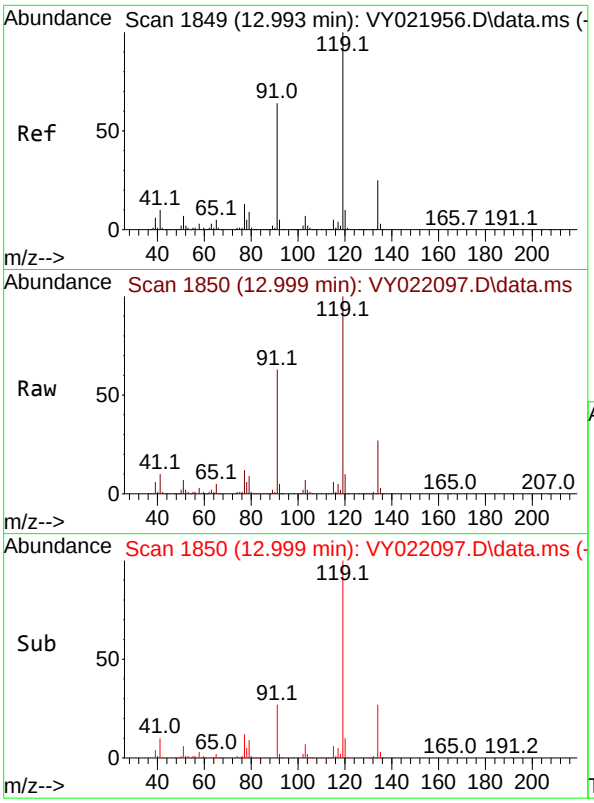


#82
4-Chlorotoluene
Concen: 19.539 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 91 Resp: 211849

Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.9	53.8



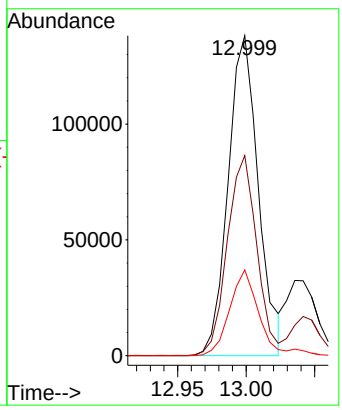


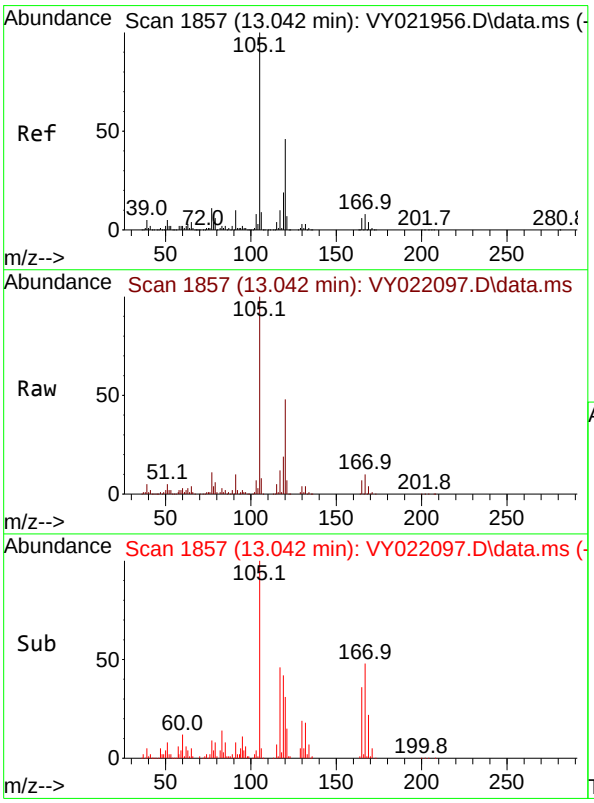
#83
tert-Butylbenzene
Concen: 19.015 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:119 Resp: 211608

Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.3	90.9
134	26.4	12.9	38.7

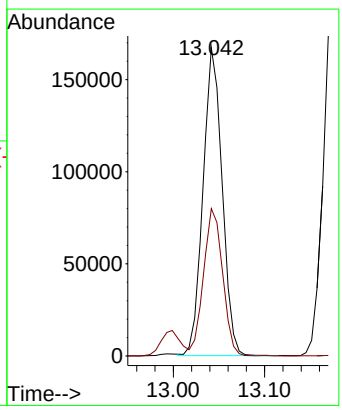


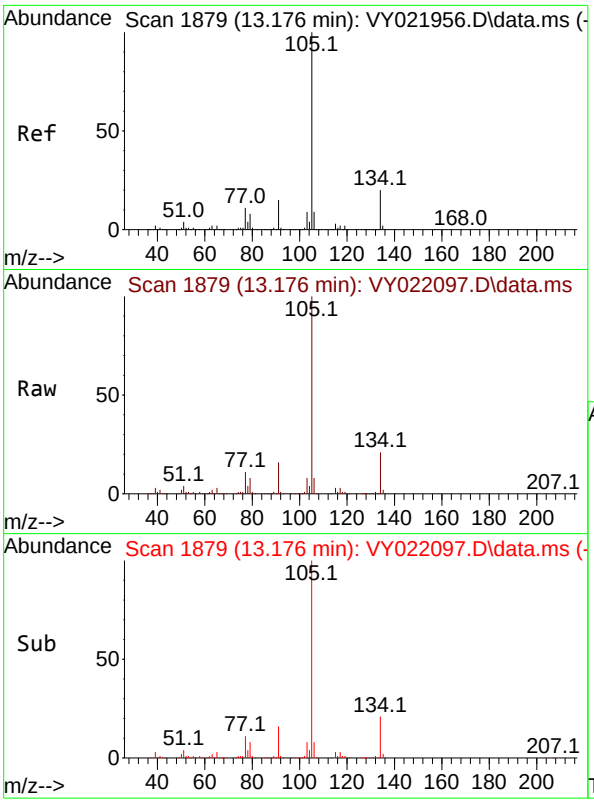


#84
1,2,4-Trimethylbenzene
Concen: 19.542 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:105 Resp: 242538

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.4	70.0



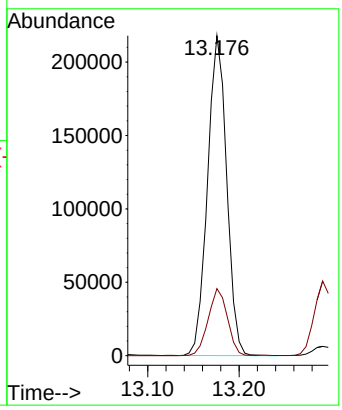


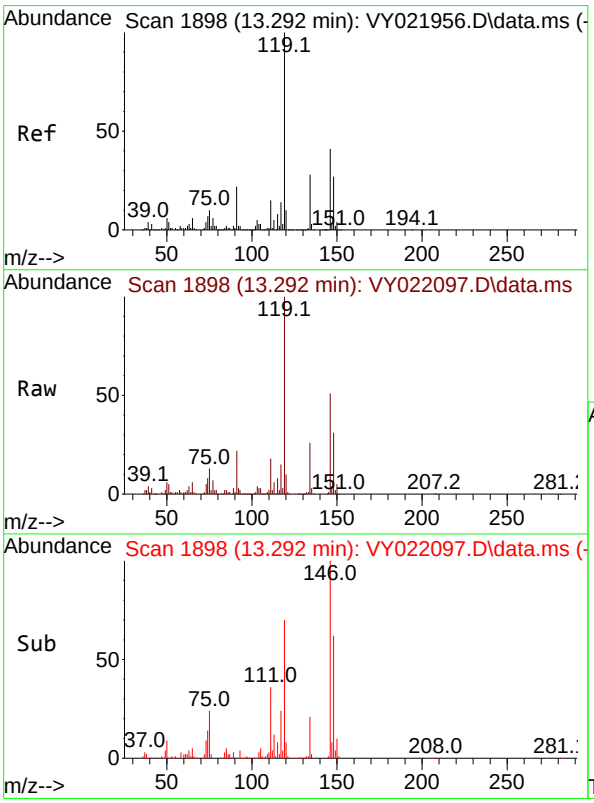
#85
sec-Butylbenzene
Concen: 19.438 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:105 Resp: 316527

Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.3	30.9

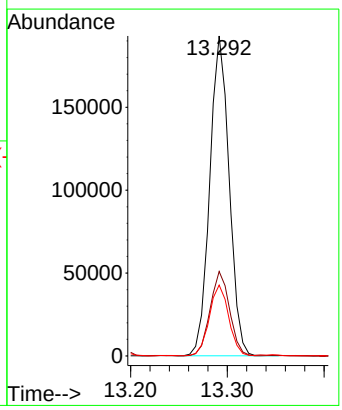


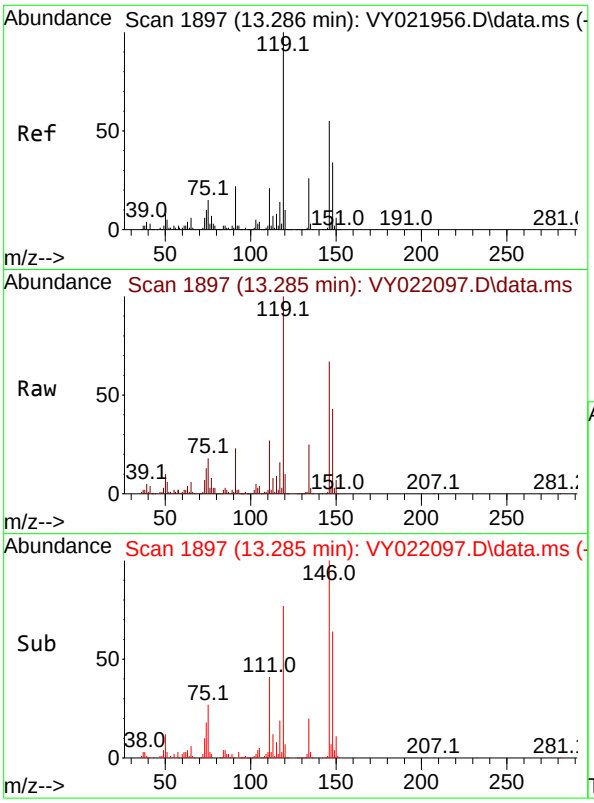


#86
p-Isopropyltoluene
Concen: 19.423 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:119 Resp: 268577

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.6	40.7
91	22.2	11.0	33.0



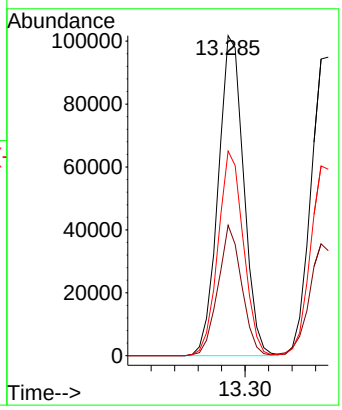


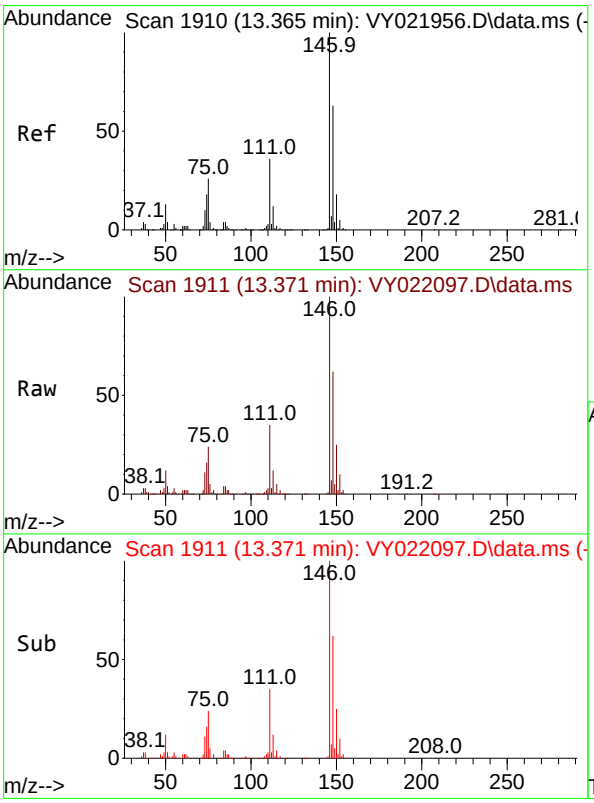
#87
1,3-Dichlorobenzene
Concen: 19.869 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:146 Resp: 153561

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.6	32.0	96.2

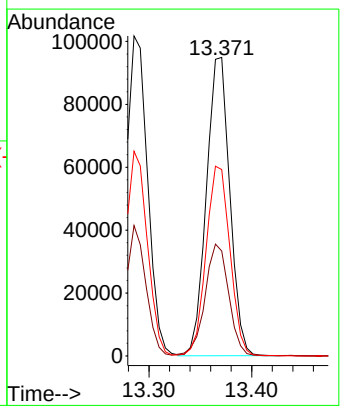


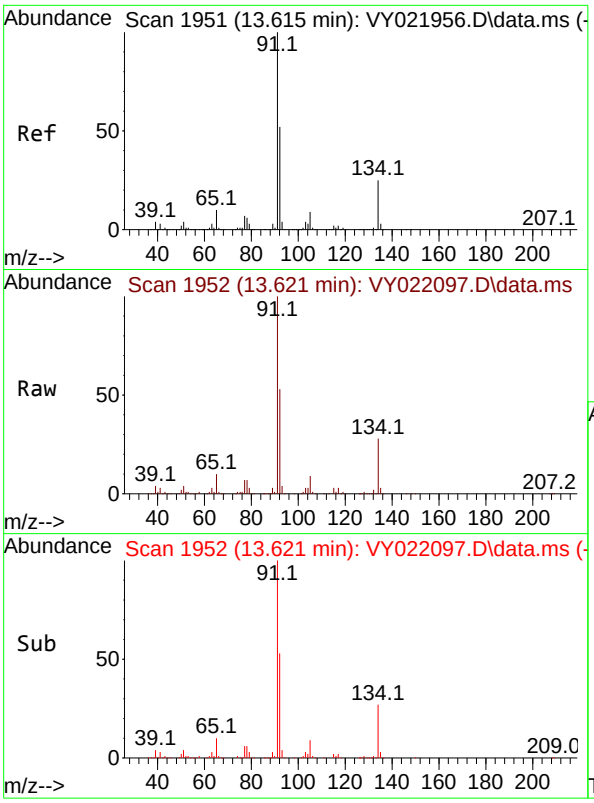


#88
1,4-Dichlorobenzene
Concen: 19.600 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:146 Resp: 150028

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.2	57.6
148	65.1	32.0	96.0



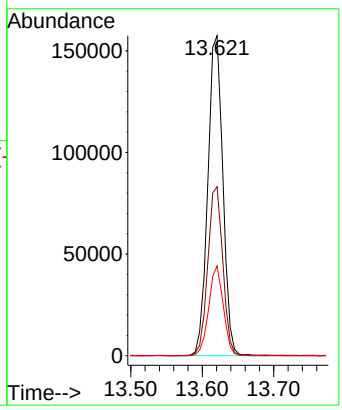


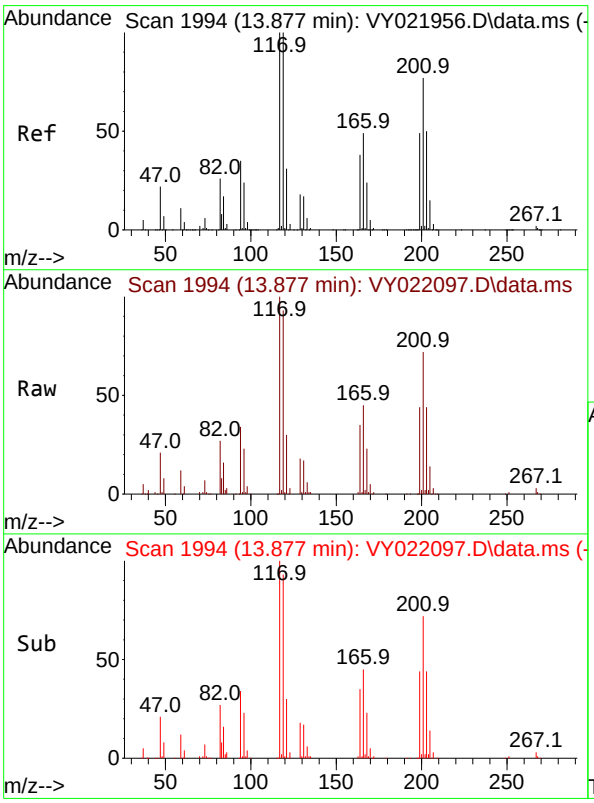
#89
n-Butylbenzene
Concen: 18.656 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion: 91 Resp: 230584

Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	27.1	13.4	40.1

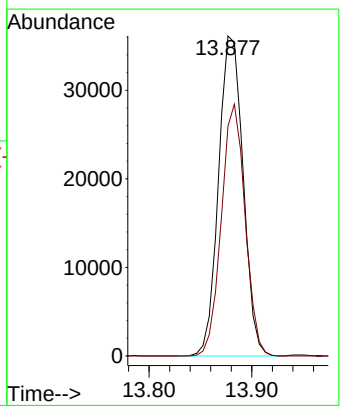


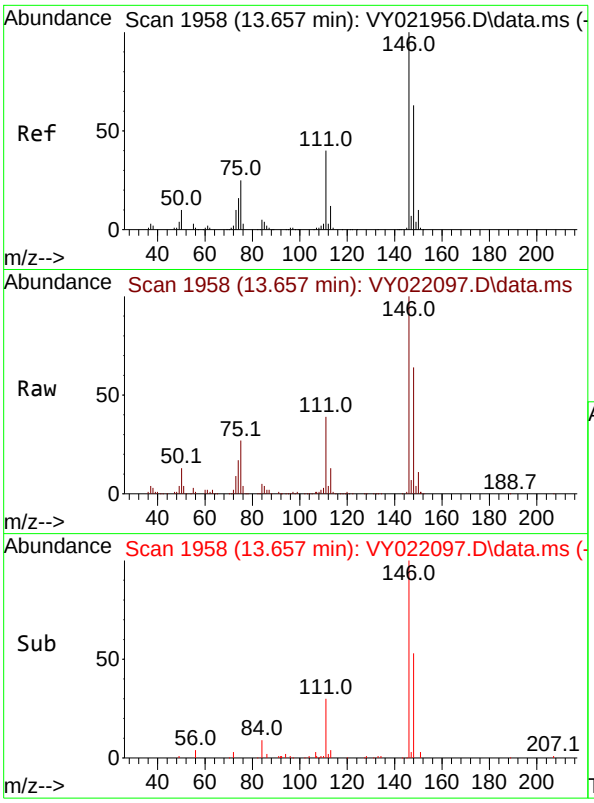


#90
Hexachloroethane
Concen: 19.723 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:117 Resp: 59920

Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.7	116.1



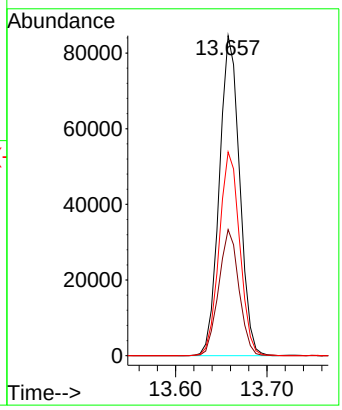


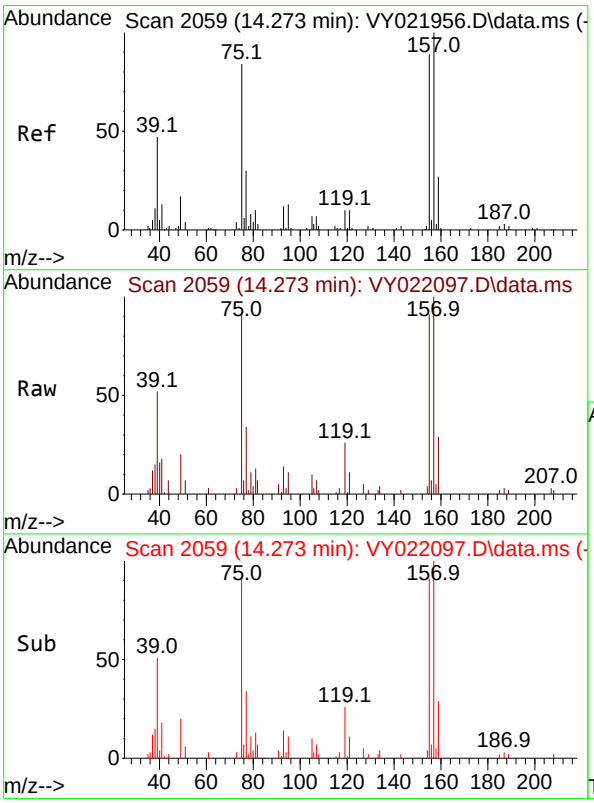
#91
1,2-Dichlorobenzene
Concen: 19.391 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:146 Resp: 130714

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	64.6	32.1	96.3

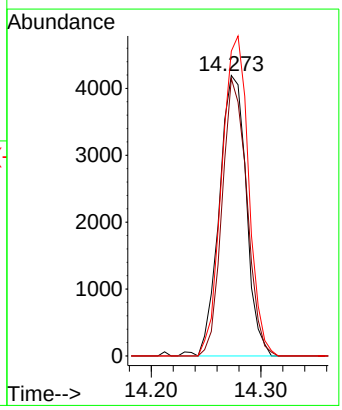


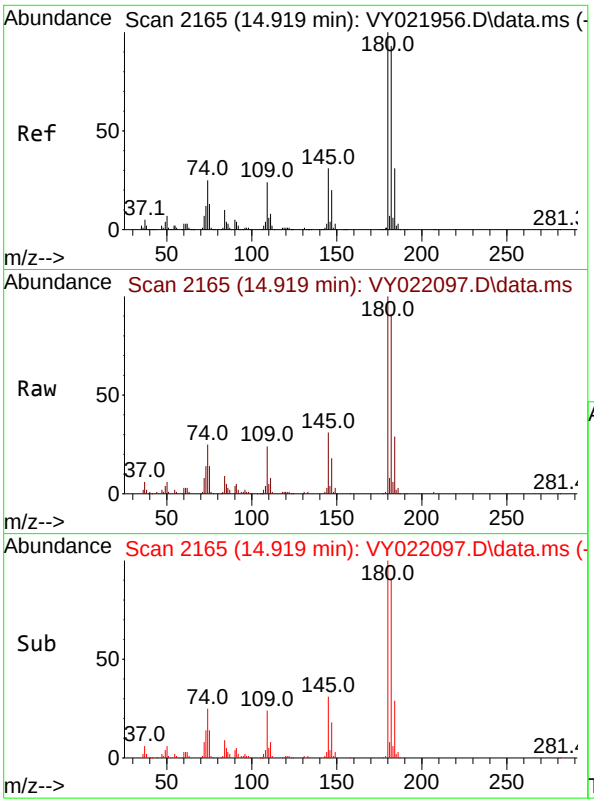


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.708 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion: 75 Resp: 7153

Ion	Ratio	Lower	Upper
75	100		
155	90.6	50.7	152.3
157	113.4	62.6	187.8



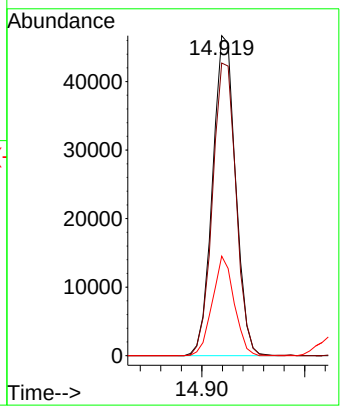


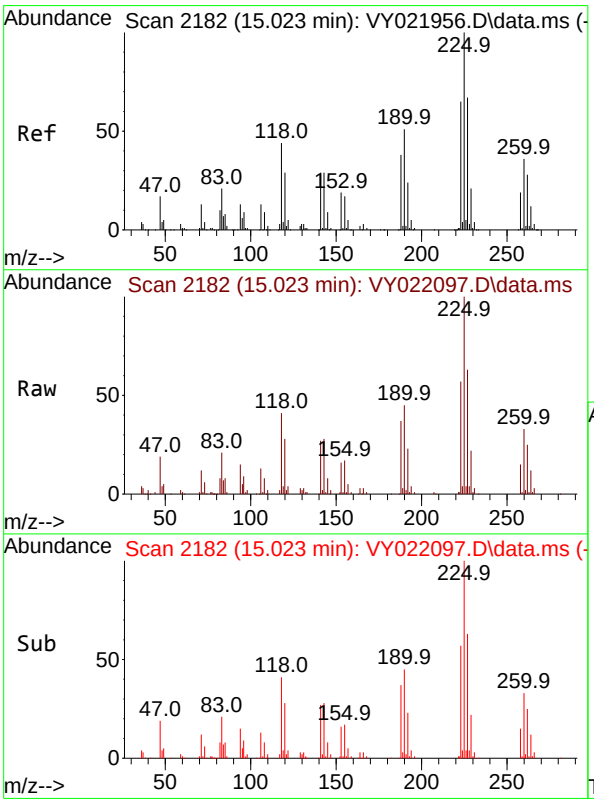
#93
1,2,4-Trichlorobenzene
Concen: 19.012 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:180 Resp: 72623

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.1	141.4
145	29.4	15.0	45.0

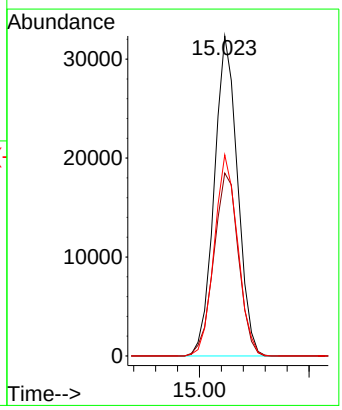


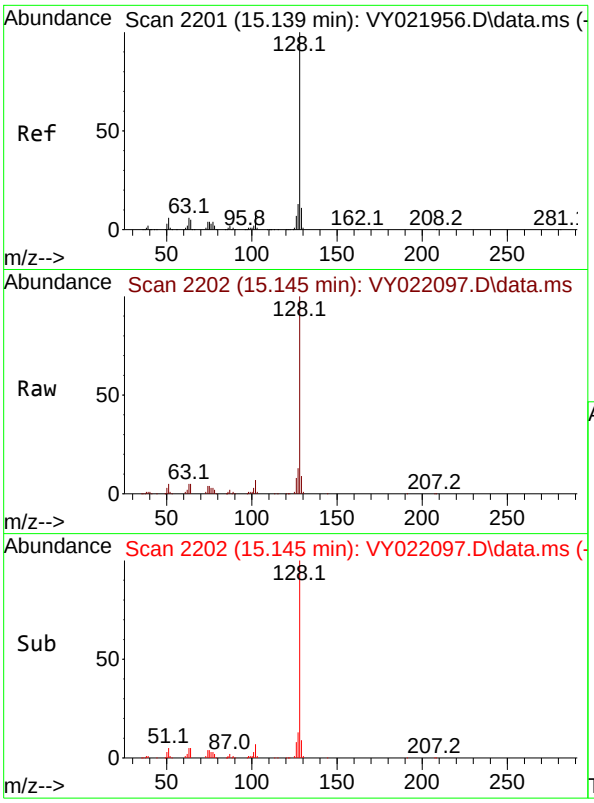


#94
Hexachlorobutadiene
Concen: 20.283 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:225 Resp: 47671

Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.9	95.5
227	63.3	32.3	96.9



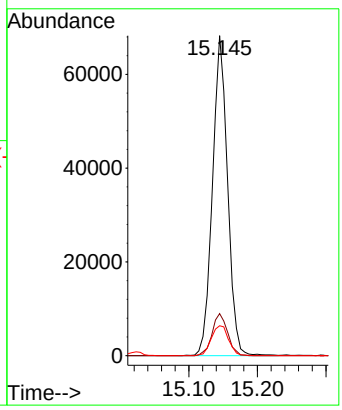


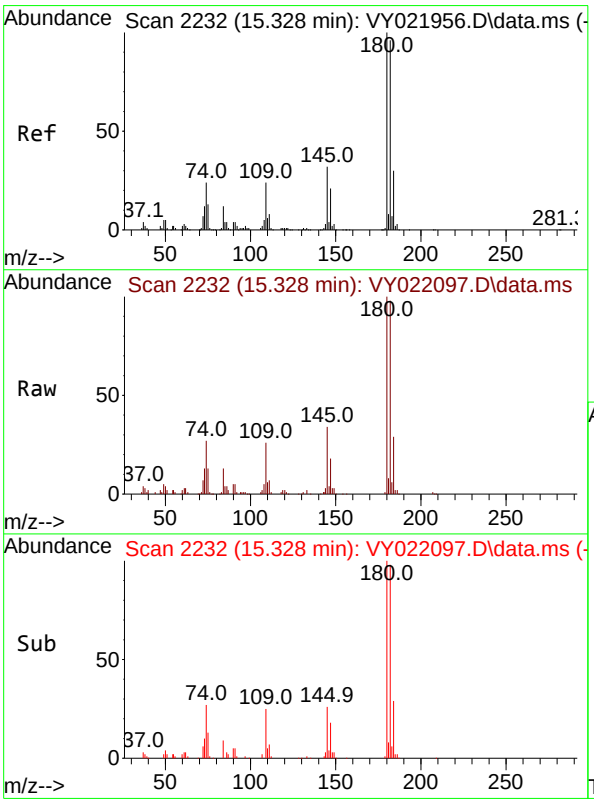
#95
Naphthalene
Concen: 16.425 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Instrument :
MSVOA_Y
ClientSampleId :
VY0501SBS01

Tgt Ion:128 Resp: 104223

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.7	8.9	13.3

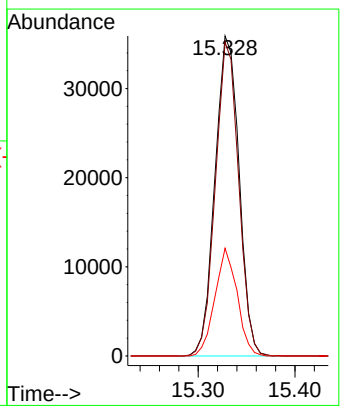




#96
1,2,3-Trichlorobenzene
Concen: 18.778 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022097.D
Acq: 01 May 2025 10:42

Tgt Ion:180 Resp: 61917

Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.4
145	31.1	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	521492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	787920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	699813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	359809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	221116	45.904	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.800%			
35) Dibromofluoromethane	7.634	113	256764	49.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.660%			
50) Toluene-d8	10.103	98	931345	47.459	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.920%			
62) 4-Bromofluorobenzene	12.408	95	328413	49.712	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	205368	46.216	ug/l	98
3) Chloromethane	2.062	50	246211	38.913	ug/l	99
4) Vinyl Chloride	2.202	62	296536	38.138	ug/l	96
5) Bromomethane	2.592	94	237142	35.401	ug/l	97
6) Chloroethane	2.732	64	198382	37.464	ug/l	99
7) Trichlorofluoromethane	3.056	101	452303	44.115	ug/l	98
8) Diethyl Ether	3.452	74	136732	51.237	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	257501	46.298	ug/l	95
10) Methyl Iodide	4.000	142	366613	56.932	ug/l	99
11) Tert butyl alcohol	4.878	59	74045	280.001	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	258167	49.799	ug/l	99
13) Acrolein	3.653	56	71532	150.711	ug/l	96
14) Allyl chloride	4.385	41	294514	48.790	ug/l	99
15) Acrylonitrile	5.061	53	237923	243.537	ug/l	99
16) Acetone	3.872	43	161612	256.915	ug/l	96
17) Carbon Disulfide	4.104	76	737311	44.605	ug/l	98
18) Methyl Acetate	4.385	43	172304	76.576	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	630581	54.345	ug/l	98
20) Methylene Chloride	4.616	84	278578	45.737	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	279047	48.062	ug/l	99
22) Diisopropyl ether	6.018	45	659731	49.111	ug/l	97
23) Vinyl Acetate	5.964	43	1612308	222.703	ug/l	99
24) 1,1-Dichloroethane	5.915	63	442840	47.559	ug/l	97
25) 2-Butanone	6.896	43	259941	236.741	ug/l	100
26) 2,2-Dichloropropane	6.884	77	361120	44.248	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	323676	49.858	ug/l	97
28) Bromochloromethane	7.244	49	157867	43.649	ug/l	86
29) Tetrahydrofuran	7.262	42	173842	243.773	ug/l	94
30) Chloroform	7.421	83	494257	47.854	ug/l	98
31) Cyclohexane	7.701	56	338310	42.487	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	445983	47.728	ug/l	98
36) 1,1-Dichloropropene	7.835	75	323237	46.228	ug/l	98
37) Ethyl Acetate	6.988	43	118152	47.048	ug/l	97
38) Carbon Tetrachloride	7.817	117	405212	48.498	ug/l	99
39) Methylcyclohexane	9.109	83	412692	46.900	ug/l	99
40) Benzene	8.079	78	1047462	47.922	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.213	41	71615	52.167 ug/l		96
42) 1,2-Dichloroethane	8.158	62	260898	48.211 ug/l		99
43) Isopropyl Acetate	8.195	43	239777	49.718 ug/l		98
44) Trichloroethene	8.865	130	300752	49.676 ug/l		98
45) 1,2-Dichloropropane	9.140	63	226402	46.838 ug/l		100
46) Dibromomethane	9.231	93	146196	48.316 ug/l		93
47) Bromodichloromethane	9.420	83	370965	49.076 ug/l		98
48) Methyl methacrylate	9.219	41	114638	51.420 ug/l		95
49) 1,4-Dioxane	9.231	88	31705	983.083 ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	636116	251.616 ug/l		99
52) Toluene	10.170	92	691233	48.855 ug/l		100
53) t-1,3-Dichloropropene	10.390	75	315674	48.687 ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	370153	48.026 ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	199643	49.394 ug/l		98
56) Ethyl methacrylate	10.438	69	245334	53.079 ug/l		100
57) 1,3-Dichloropropane	10.719	76	314000	48.460 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	597172	264.249 ug/l		96
59) 2-Hexanone	10.761	43	425582	255.220 ug/l		100
60) Dibromochloromethane	10.908	129	278863	49.834 ug/l		99
61) 1,2-Dibromoethane	11.011	107	194344	50.932 ug/l		98
64) Tetrachloroethene	10.646	164	335593	50.834 ug/l		95
65) Chlorobenzene	11.438	112	777130	49.658 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	281882	51.163 ug/l		99
67) Ethyl Benzene	11.517	91	1345250	52.548 ug/l		100
68) m/p-Xylenes	11.627	106	1127340	110.666 ug/l		99
69) o-Xylene	11.956	106	546612	58.218 ug/l		100
70) Styrene	11.969	104	823742	52.252 ug/l		99
71) Bromoform	12.133	173	173918	54.295 ug/l	#	99
73) Isopropylbenzene	12.255	105	1281382	53.304 ug/l		99
74) N-amyl acetate	12.072	43	211359	51.175 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	200173	49.390 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	263316	85.438 ug/l	#	100
77) Bromobenzene	12.529	156	332638	54.761 ug/l		95
78) n-propylbenzene	12.597	91	1527021	53.341 ug/l		98
79) 2-Chlorotoluene	12.682	91	894301	53.716 ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	1159172	58.524 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	61847	48.326 ug/l		97
82) 4-Chlorotoluene	12.773	91	869601	50.246 ug/l		99
83) tert-Butylbenzene	12.999	119	966767	54.424 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	1519729	76.710 ug/l		100
85) sec-Butylbenzene	13.176	105	1351064	51.976 ug/l		98
86) p-Isopropyltoluene	13.291	119	1160013	52.554 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	615228	49.868 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	600771	49.168 ug/l		99
89) n-Butylbenzene	13.615	91	1065863	54.024 ug/l		95
90) Hexachloroethane	13.877	117	246817	50.895 ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	548661	50.989 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	34086	52.862 ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	343857	56.392 ug/l		93
94) Hexachlorobutadiene	15.023	225	201855	53.804 ug/l		99
95) Naphthalene	15.145	128	762911	75.318 ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	306850	58.297 ug/l		91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

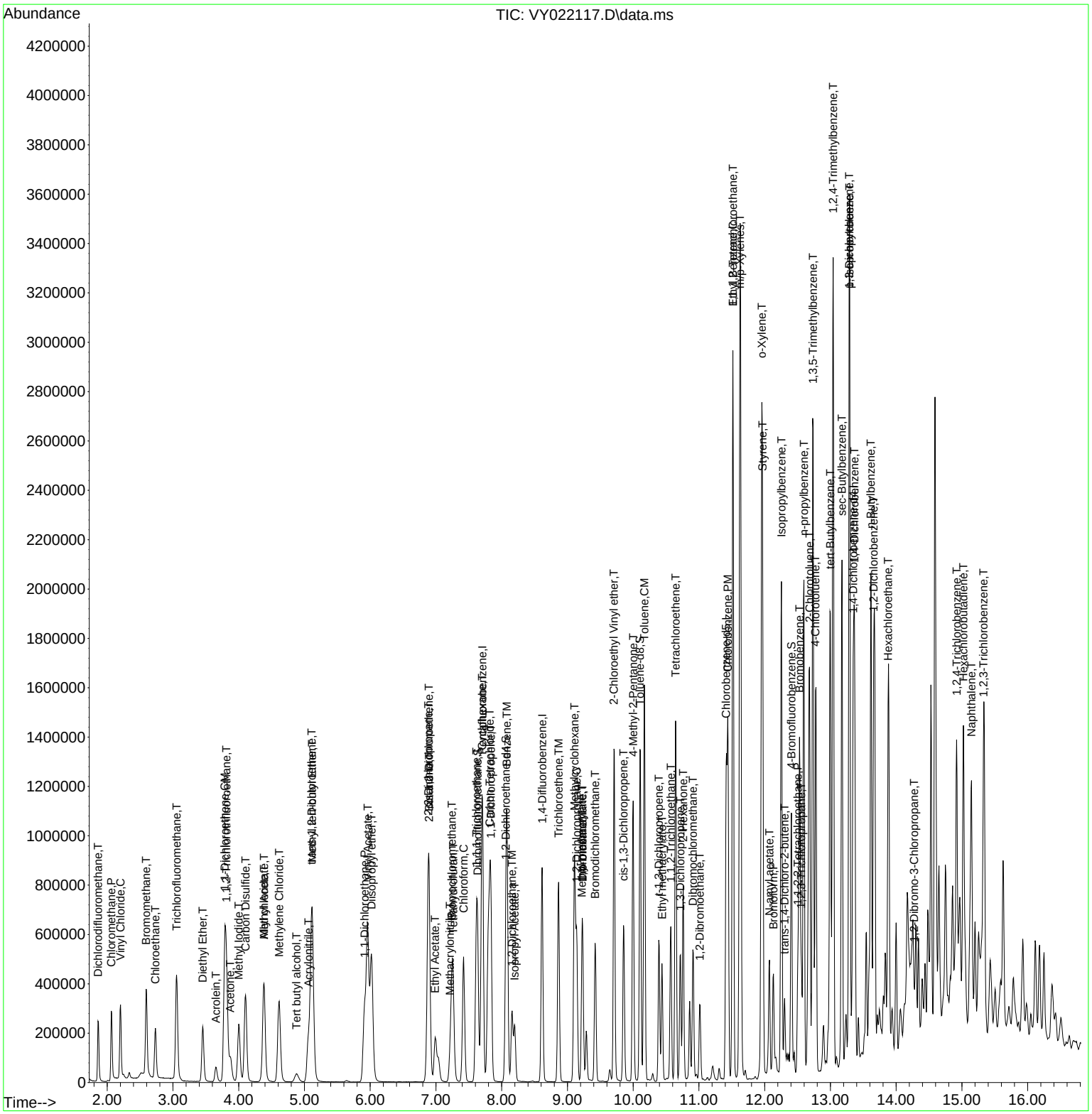
(#) = qualifier out of range (m) = manual integration (+) = signals summed

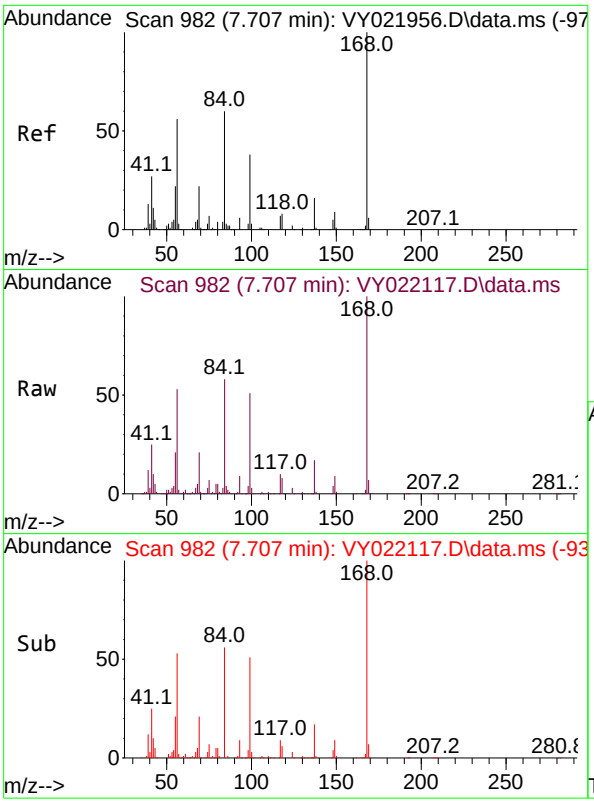
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
Data File : VY022117.D
Acq On : 01 May 2025 19:08
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 02 01:33:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



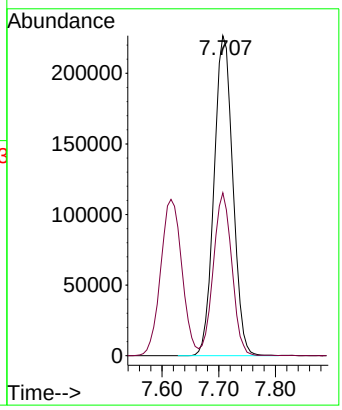


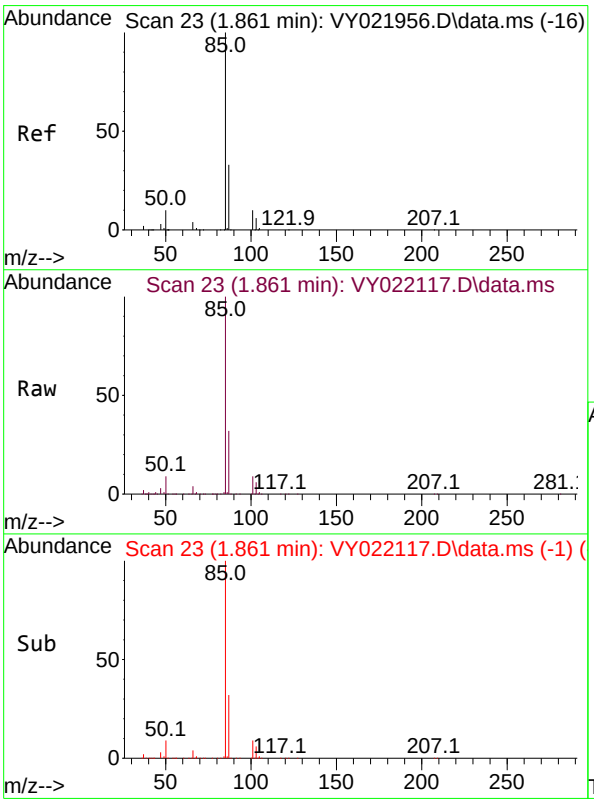
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 521492

Ion	Ratio	Lower	Upper
168	100		
99	50.8	43.1	64.7

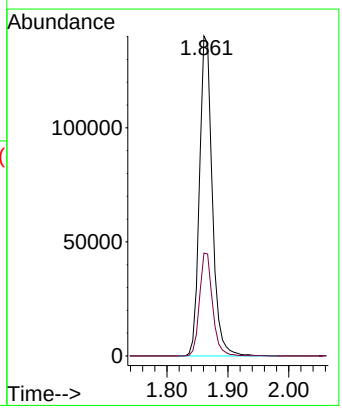


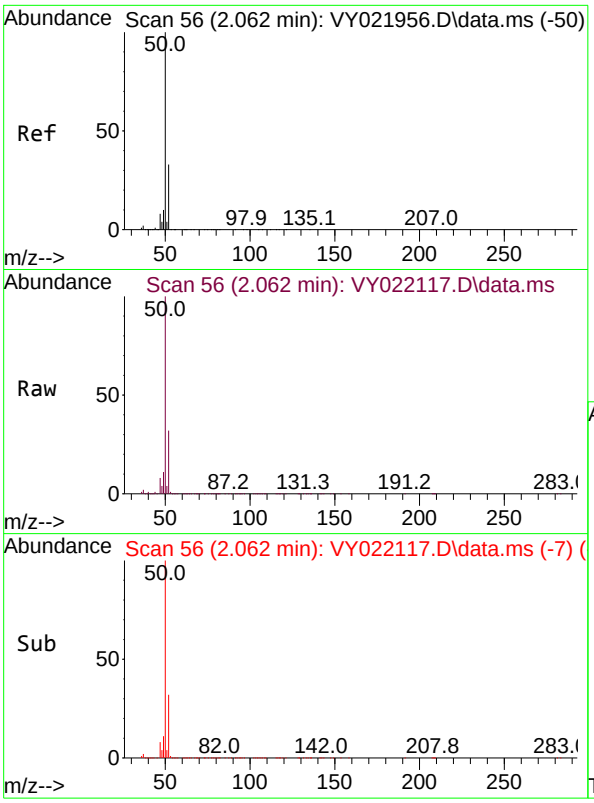


#2
Dichlorodifluoromethane
Concen: 46.216 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 85 Resp: 205368

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.6	49.7



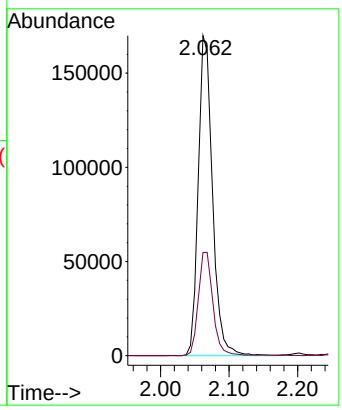


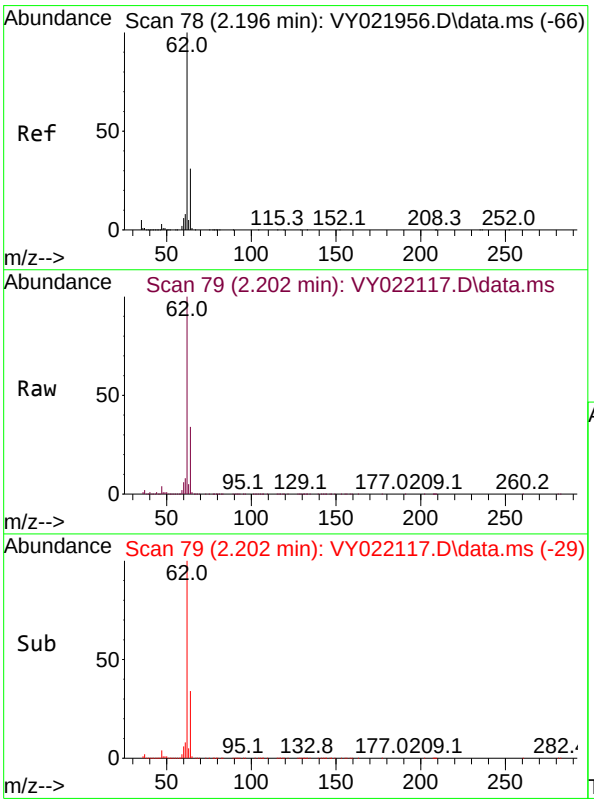
#3
Chloromethane
Concen: 38.913 ug/l
RT: 2.062 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 246211

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

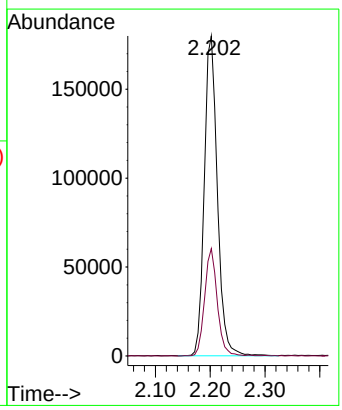


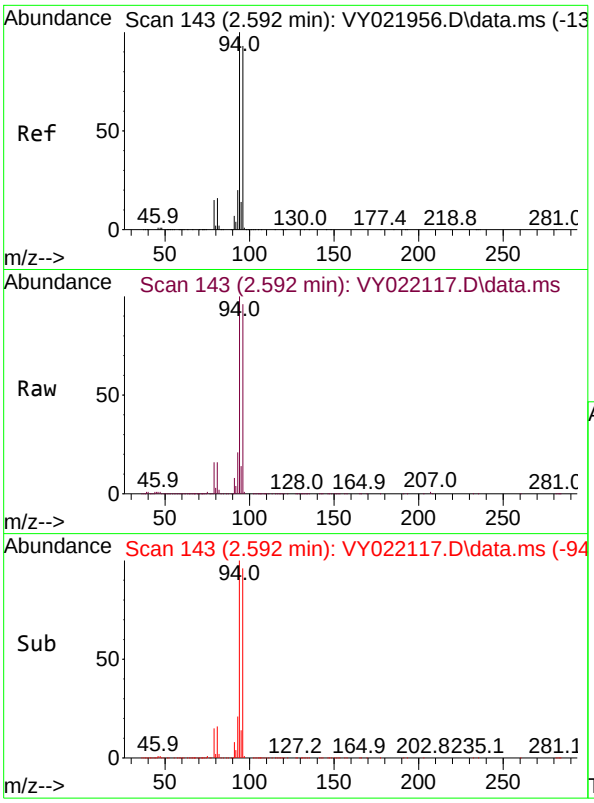


#4
Vinyl Chloride
Concen: 38.138 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 62 Resp: 296536

Ion	Ratio	Lower	Upper
62	100		
64	33.6	25.1	37.7



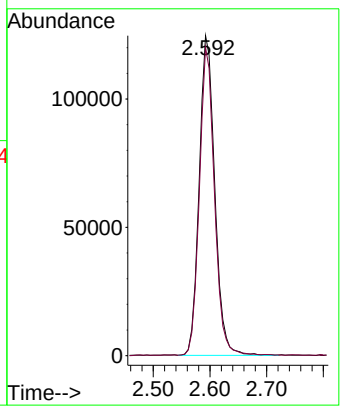


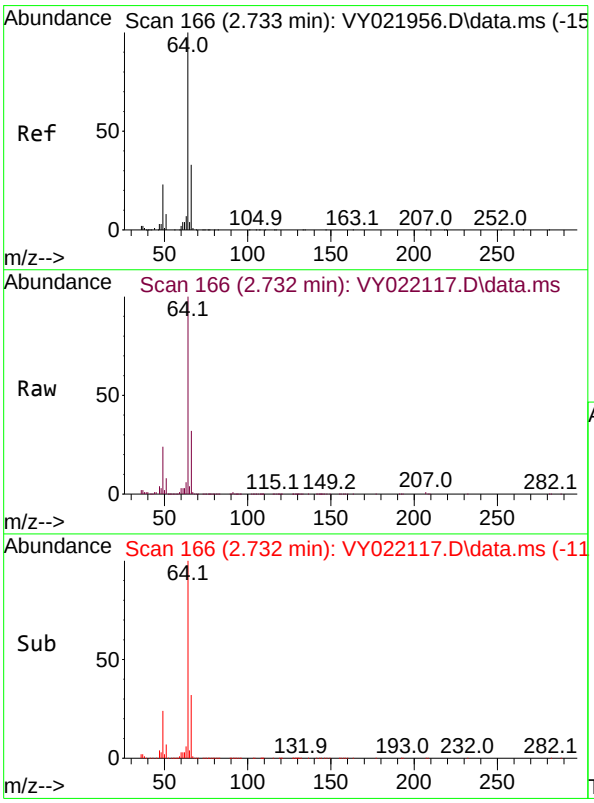
#5
Bromomethane
Concen: 35.401 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 237142

Ion	Ratio	Lower	Upper
94	100		
96	96.3	74.6	111.8

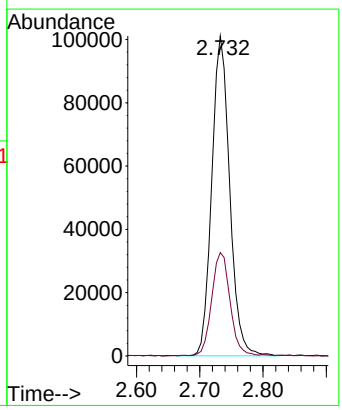


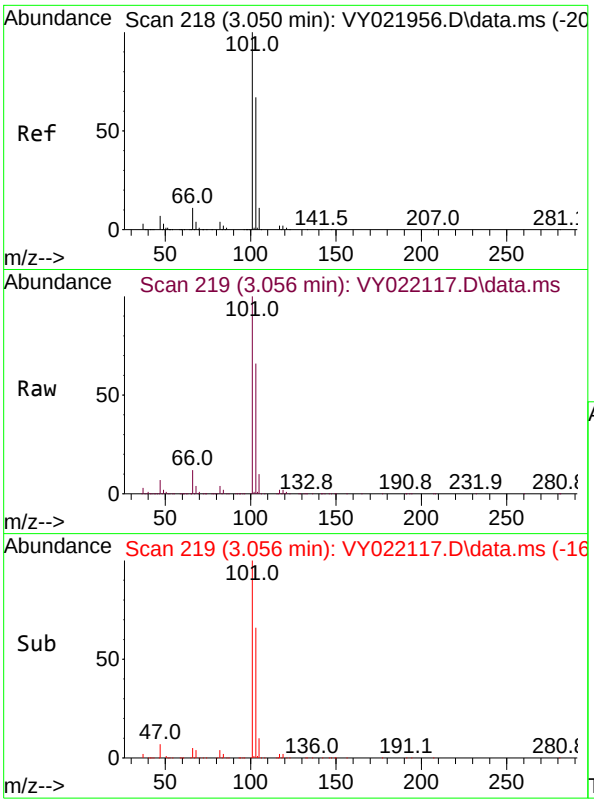


#6
Chloroethane
Concen: 37.464 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 64 Resp: 198382

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.2	39.4



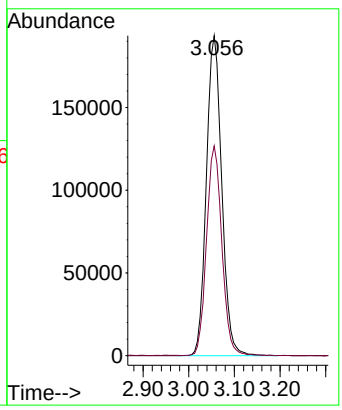


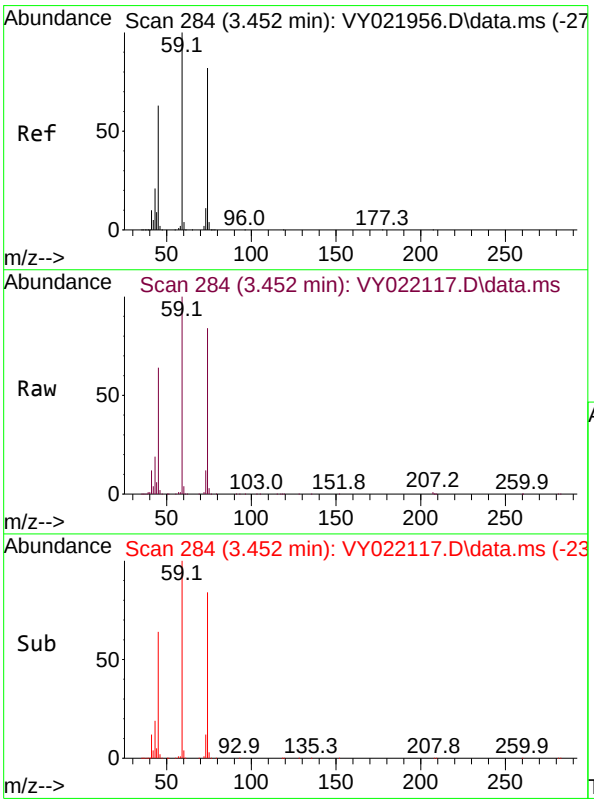
#7
Trichlorofluoromethane
Concen: 44.115 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 452303

Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.6	80.4

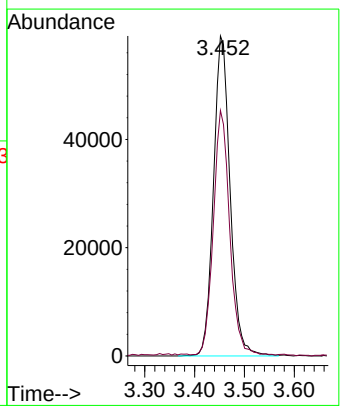


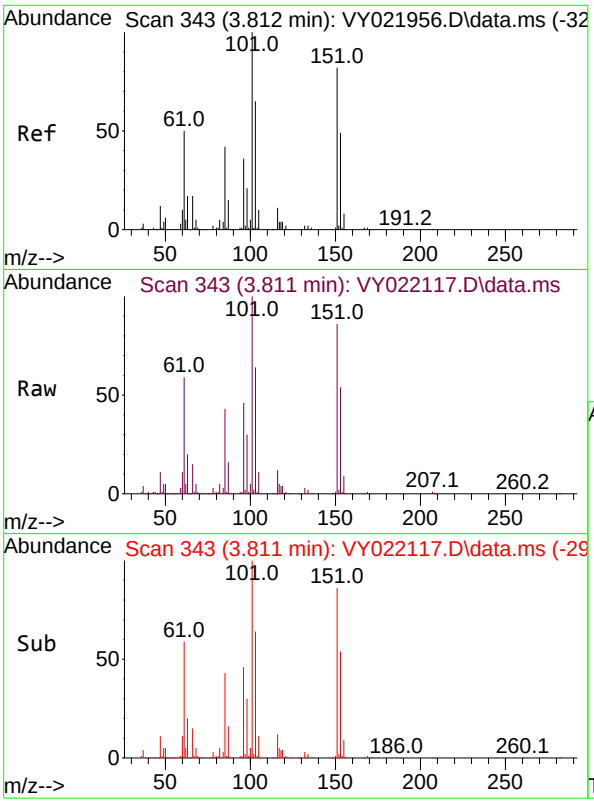


#8
Diethyl Ether
Concen: 51.237 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 74 Resp: 136732

Ion	Ratio	Lower	Upper
74	100		
45	75.3	39.1	117.5



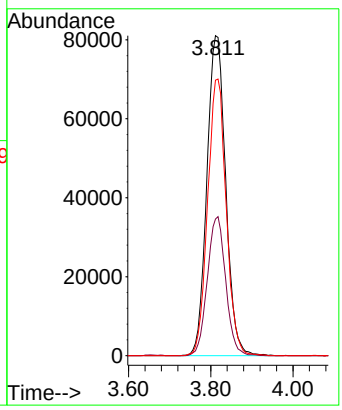


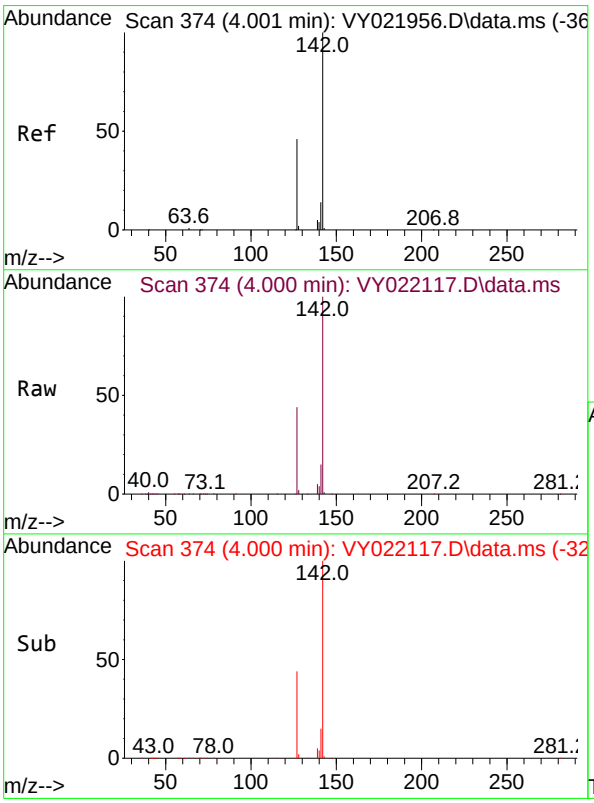
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.298 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 257501

Ion	Ratio	Lower	Upper
101	100		
85	42.4	34.6	51.8
151	85.4	63.7	95.5

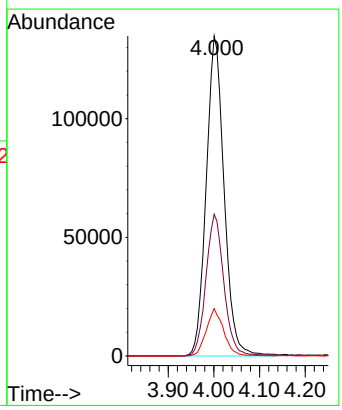


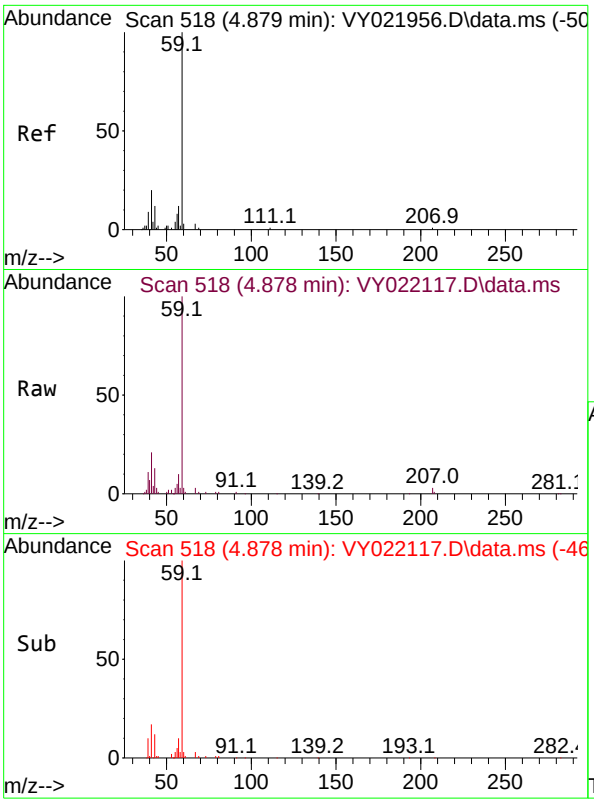


#10
Methyl Iodide
Concen: 56.932 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:142 Resp: 366613

Ion	Ratio	Lower	Upper
142	100		
127	44.5	36.2	54.2
141	14.5	11.7	17.5



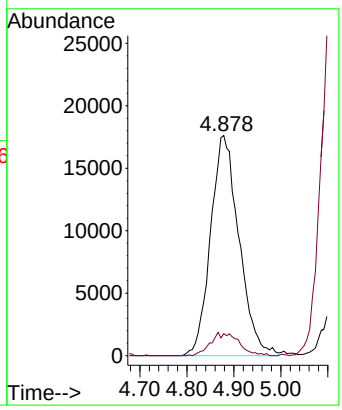


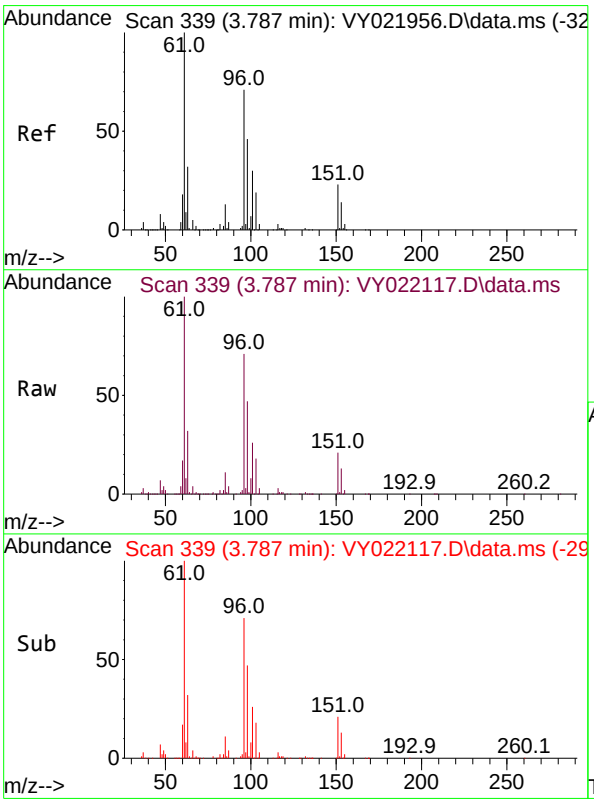
#11
Tert butyl alcohol
Concen: 280.001 ug/l
RT: 4.878 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 74045

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

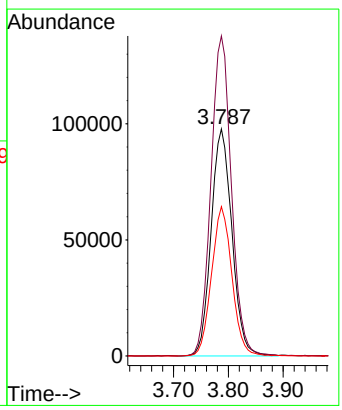


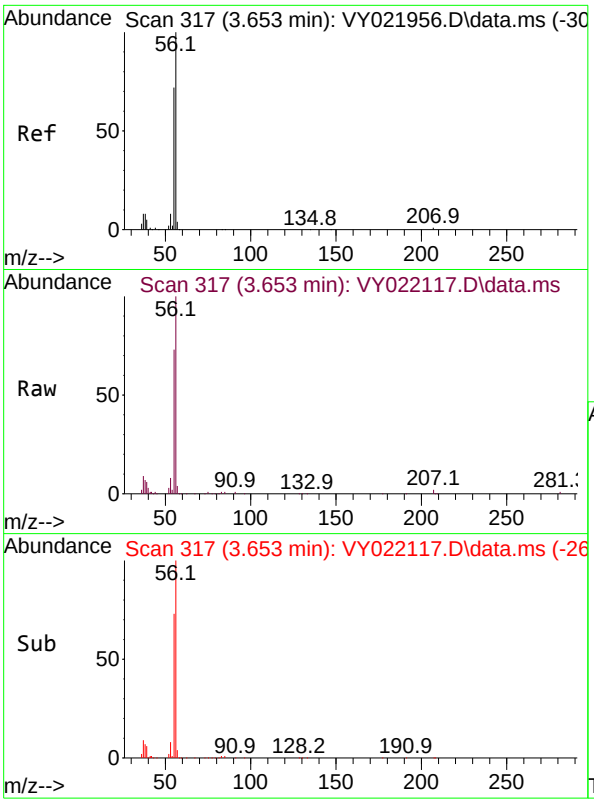


#12
1,1-Dichloroethene
Concen: 49.799 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 96 Resp: 258167

Ion	Ratio	Lower	Upper
96	100		
61	141.0	113.0	169.4
98	65.8	51.4	77.2



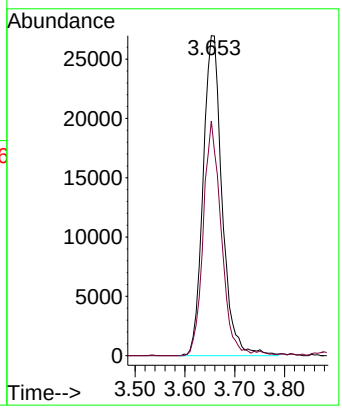


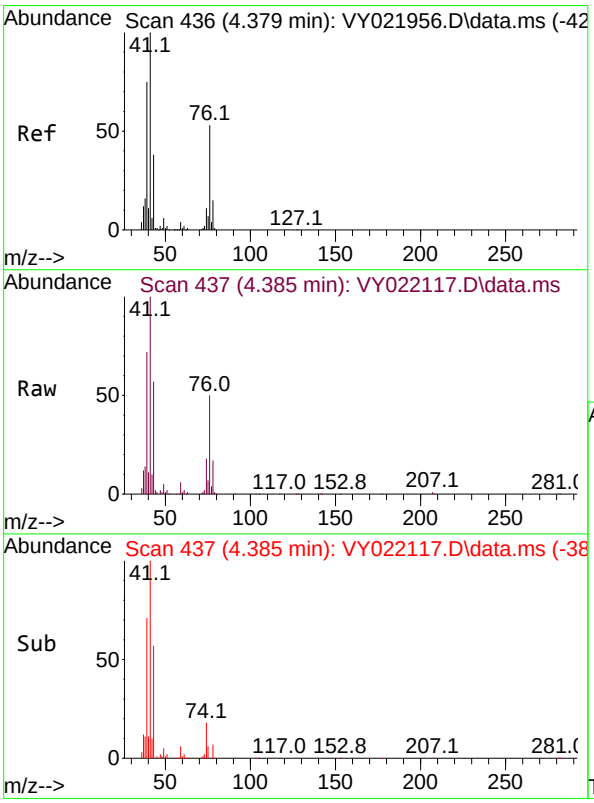
#13
Acrolein
Concen: 150.711 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 71532

Ion	Ratio	Lower	Upper
56	100		
55	68.7	57.4	86.0

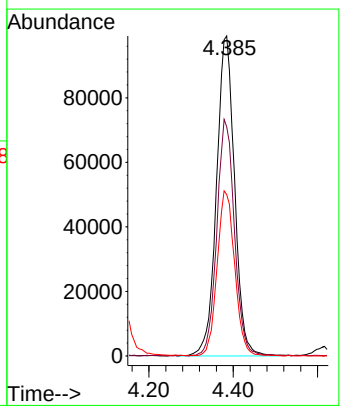


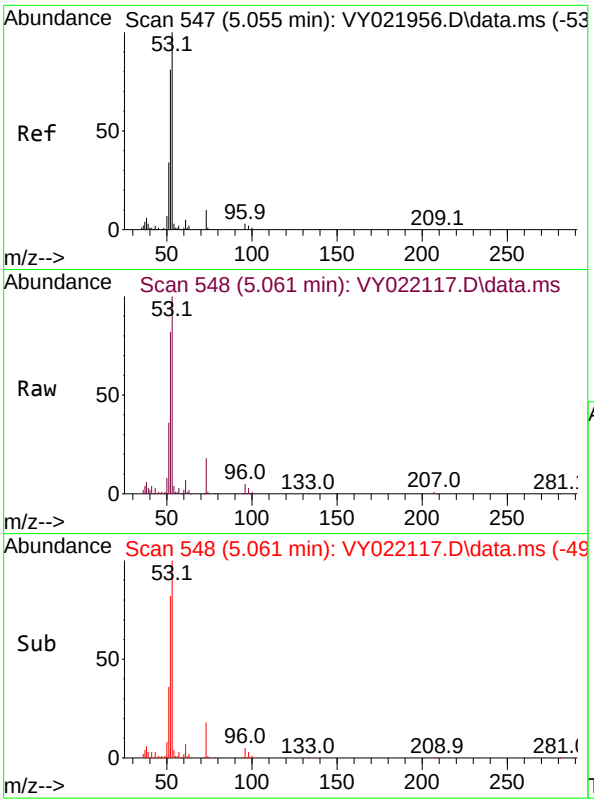


#14
Allyl chloride
Concen: 48.790 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 41 Resp: 294514

Ion	Ratio	Lower	Upper
41	100		
39	71.8	57.2	85.8
76	50.2	39.7	59.5



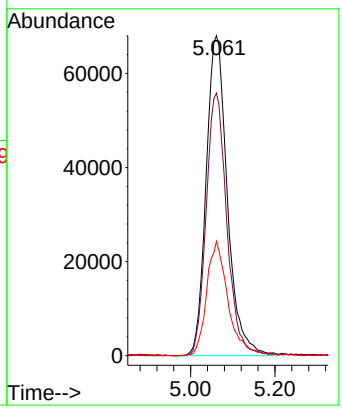


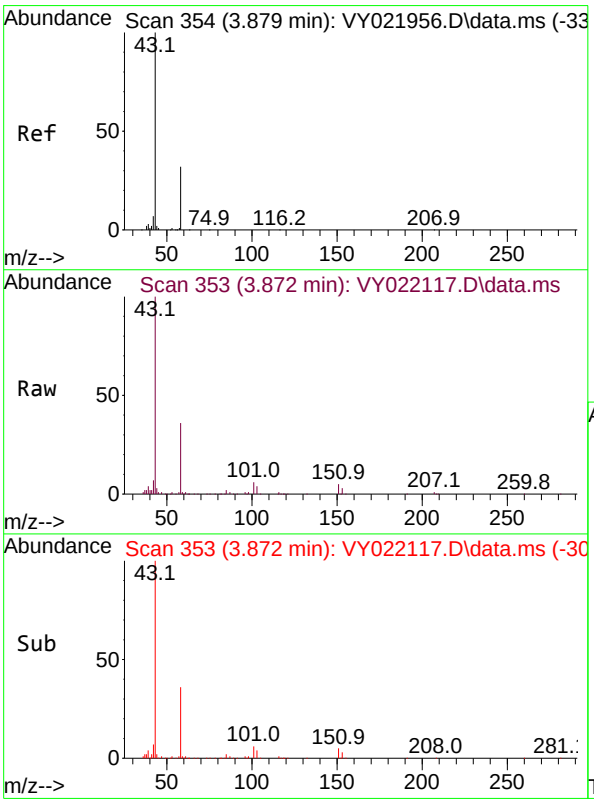
#15
Acrylonitrile
Concen: 243.537 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 237923

Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.0	97.6
51	36.0	28.9	43.3

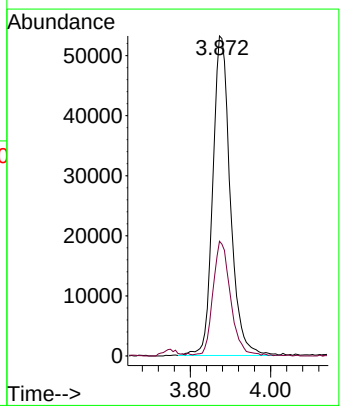


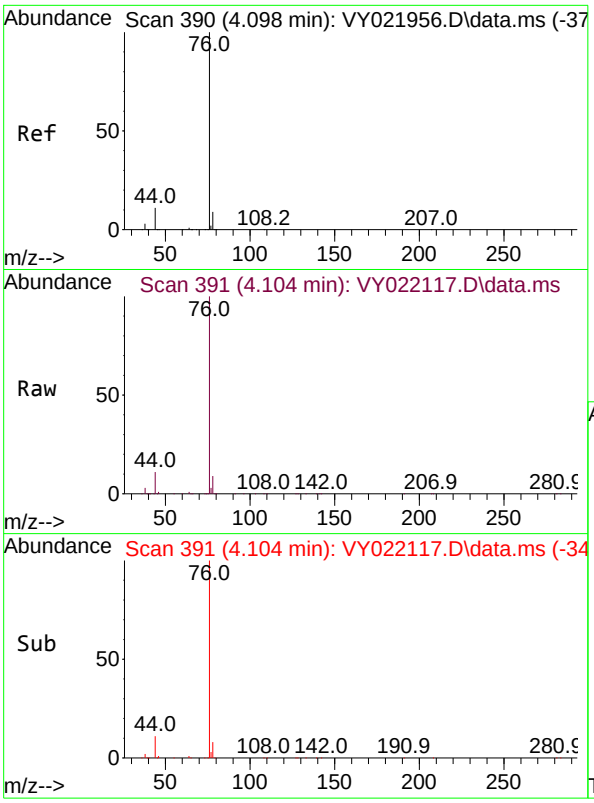


#16
Acetone
Concen: 256.915 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 161612

Ion	Ratio	Lower	Upper
43	100		
58	35.7	27.0	40.4



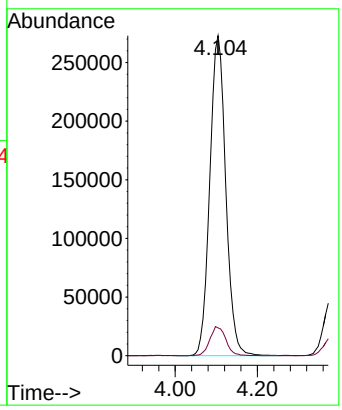


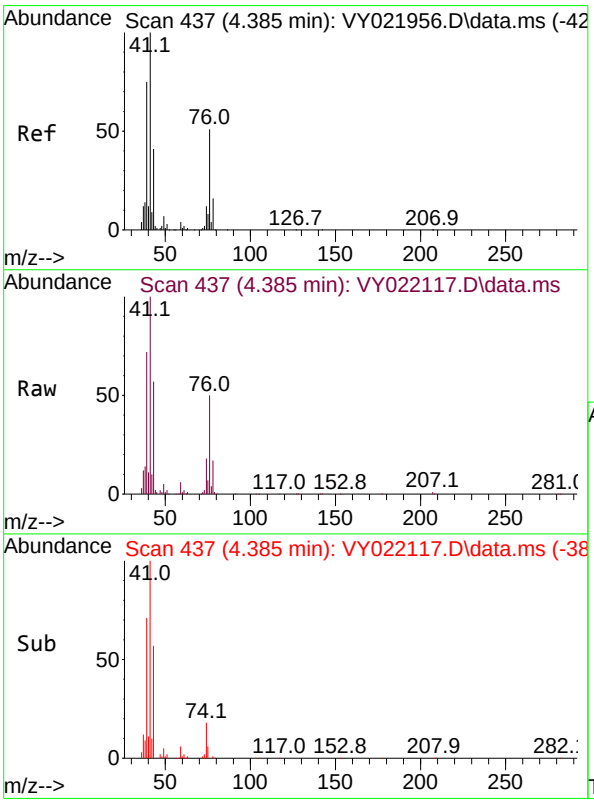
#17
Carbon Disulfide
Concen: 44.605 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 737311

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.6	11.4

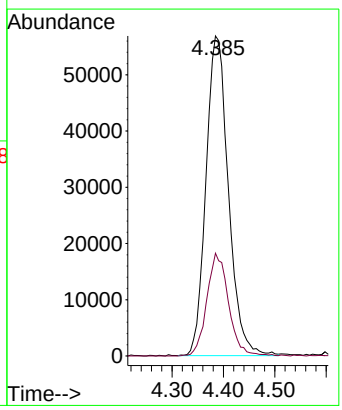


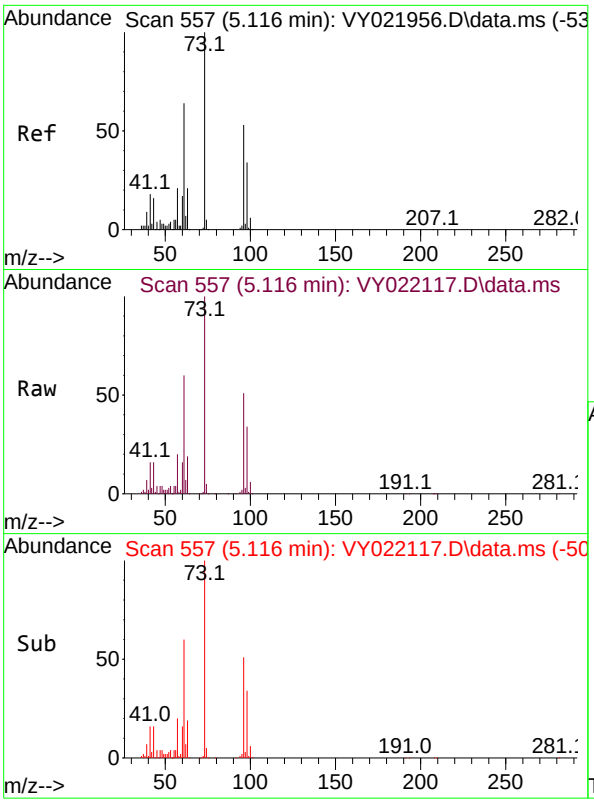


#18
Methyl Acetate
Concen: 76.576 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 172304

Ion	Ratio	Lower	Upper
43	100		
74	31.1	24.2	36.4



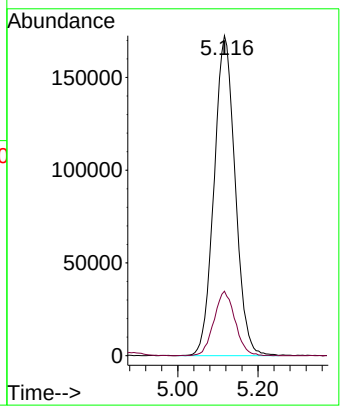


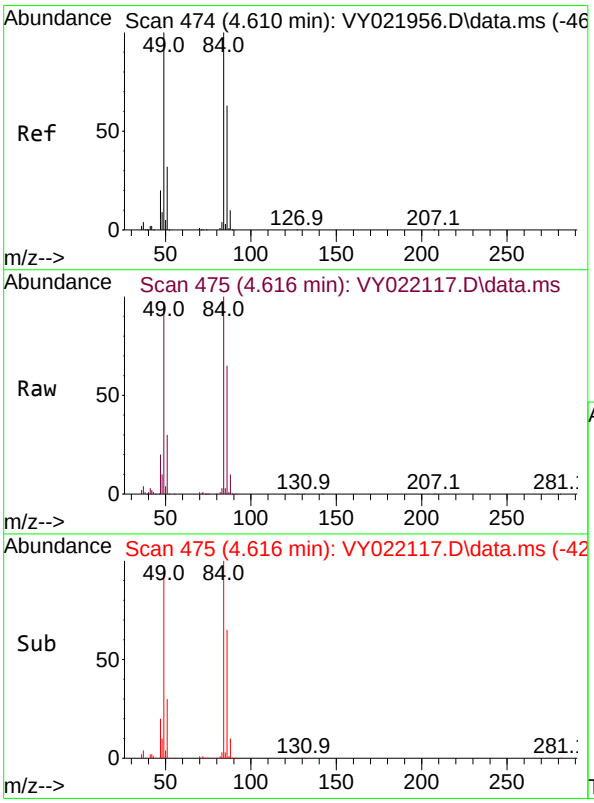
#19
Methyl tert-butyl Ether
Concen: 54.345 ug/l
RT: 5.116 min Scan# 5
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 630581

Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.9	25.3

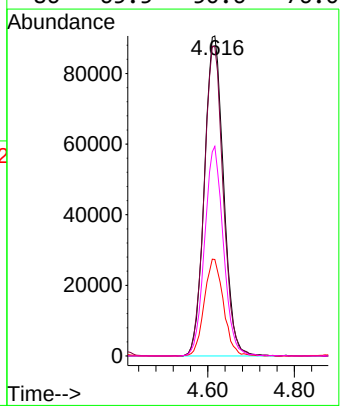


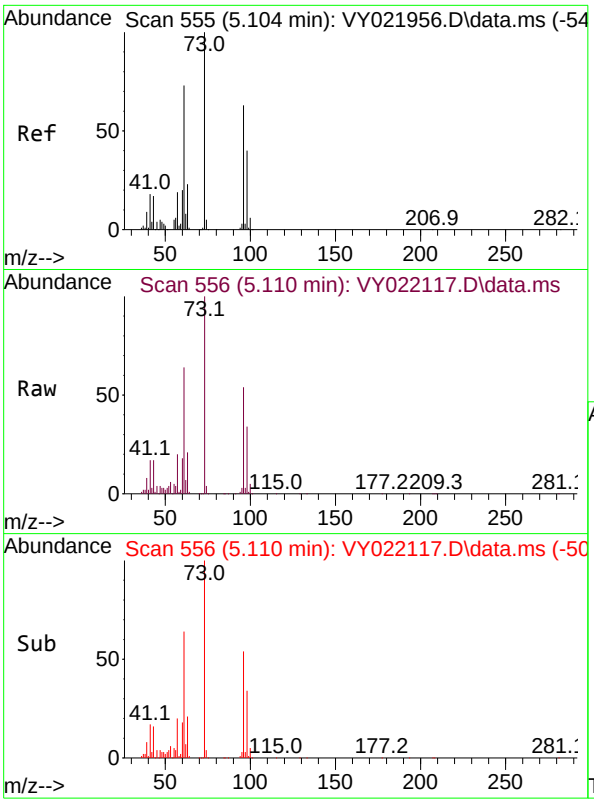


#20
Methylene Chloride
Concen: 45.737 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 84 Resp: 278578

Ion	Ratio	Lower	Upper
84	100		
49	96.6	79.9	119.9
51	30.2	25.4	38.0
86	65.5	50.6	76.0



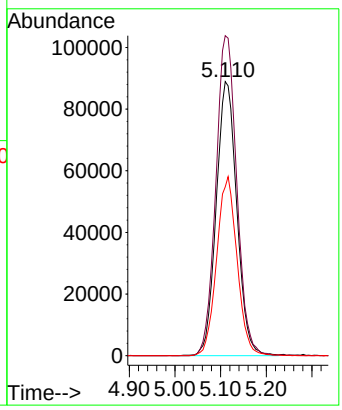


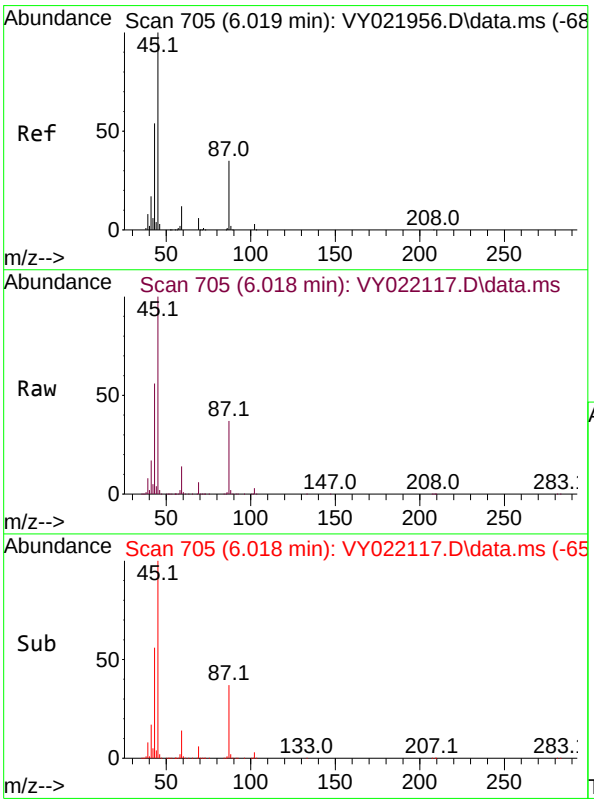
#21
trans-1,2-Dichloroethene
Concen: 48.062 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 279047

Ion	Ratio	Lower	Upper
96	100		
61	116.7	92.6	138.8
98	61.6	50.2	75.4

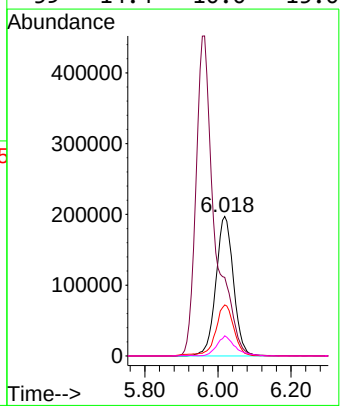


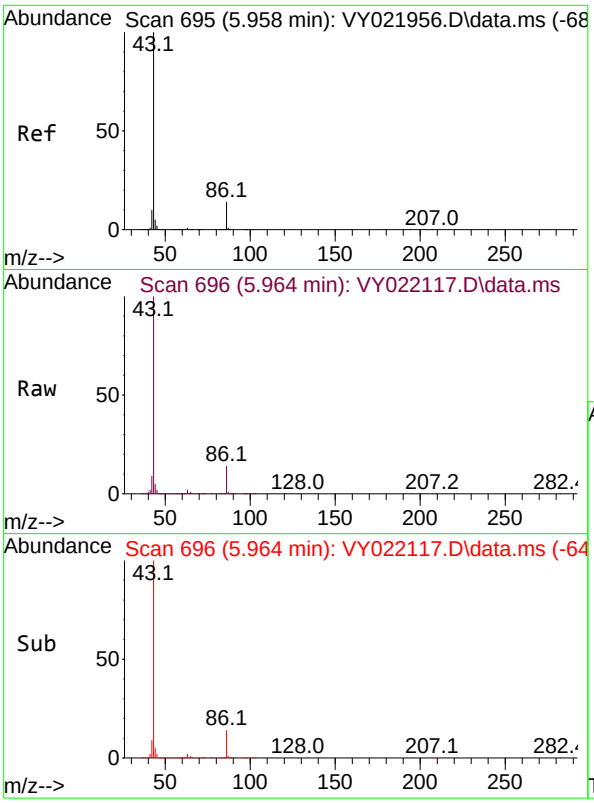


#22
Diisopropyl ether
Concen: 49.111 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 45 Resp: 659731

Ion	Ratio	Lower	Upper
45	100		
43	56.1	43.6	65.4
87	36.6	28.2	42.4
59	14.4	10.0	15.0



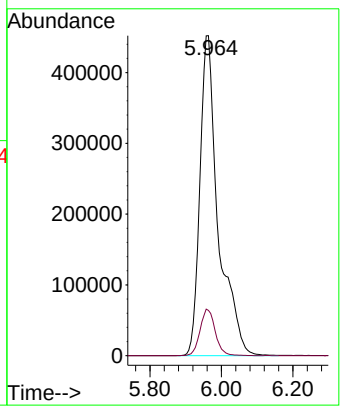


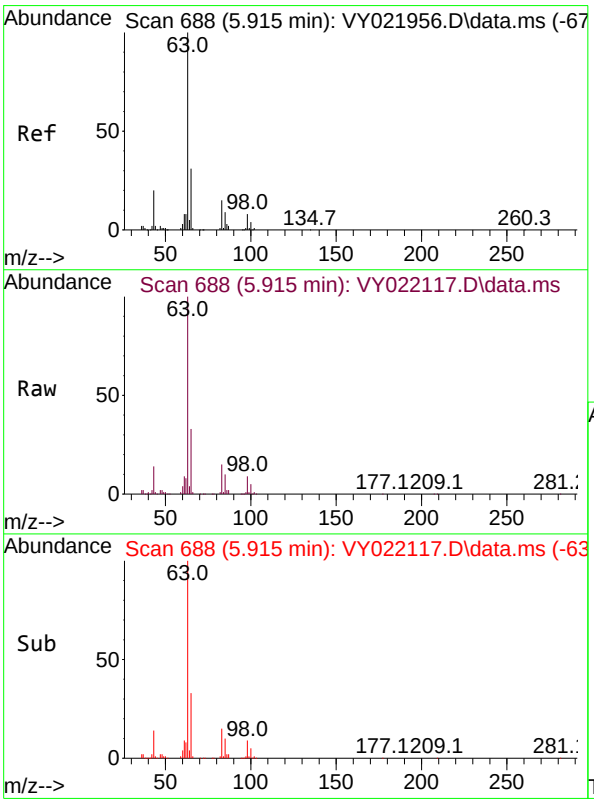
#23
Vinyl Acetate
Concen: 222.703 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1612308

Ion	Ratio	Lower	Upper
43	100		
86	14.1	11.1	16.7

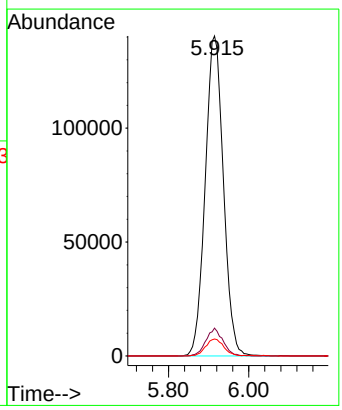


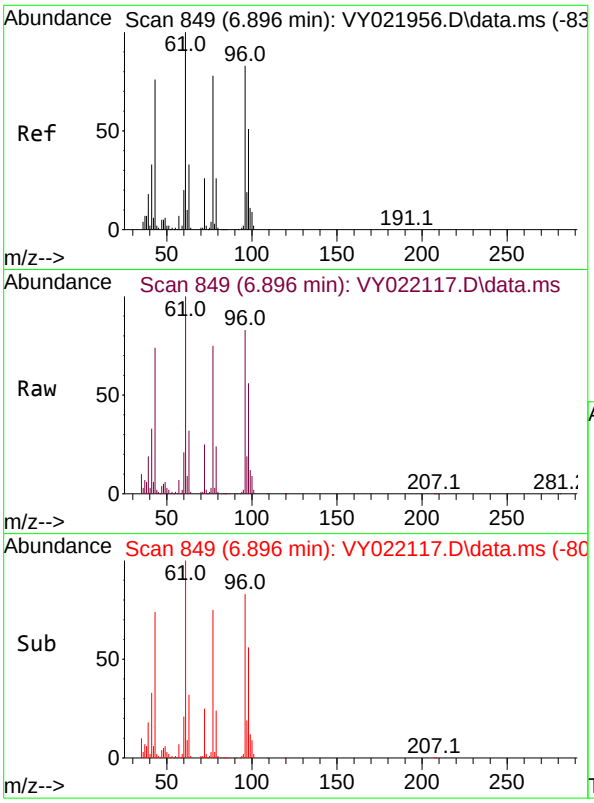


#24
1,1-Dichloroethane
Concen: 47.559 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 63 Resp: 442840

Ion	Ratio	Lower	Upper
63	100		
98	8.7	4.0	11.9
100	5.3	2.0	6.0



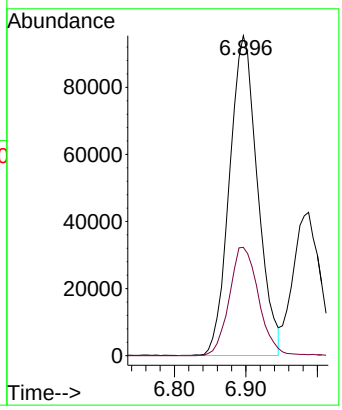


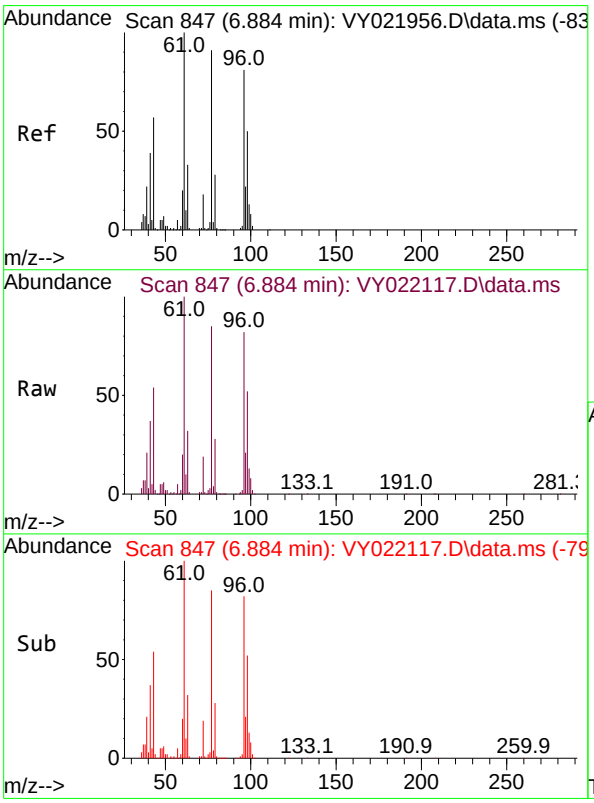
#25
2-Butanone
Concen: 236.741 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 259941

Ion	Ratio	Lower	Upper
43	100		
72	33.9	27.0	40.4

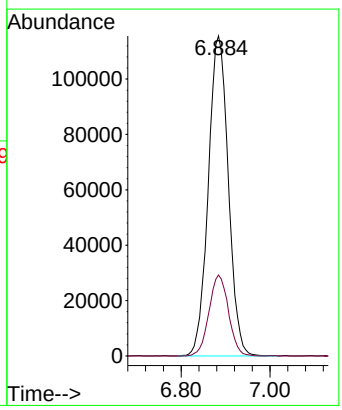


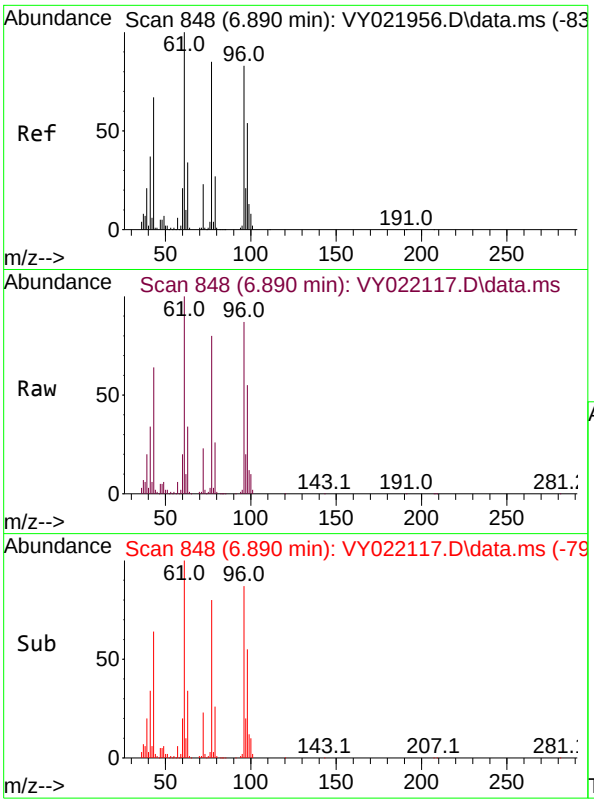


#26
2,2-Dichloropropane
Concen: 44.248 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 77 Resp: 361120

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.4



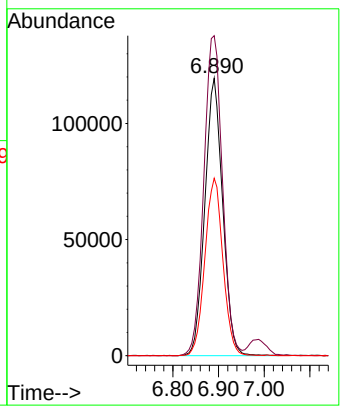


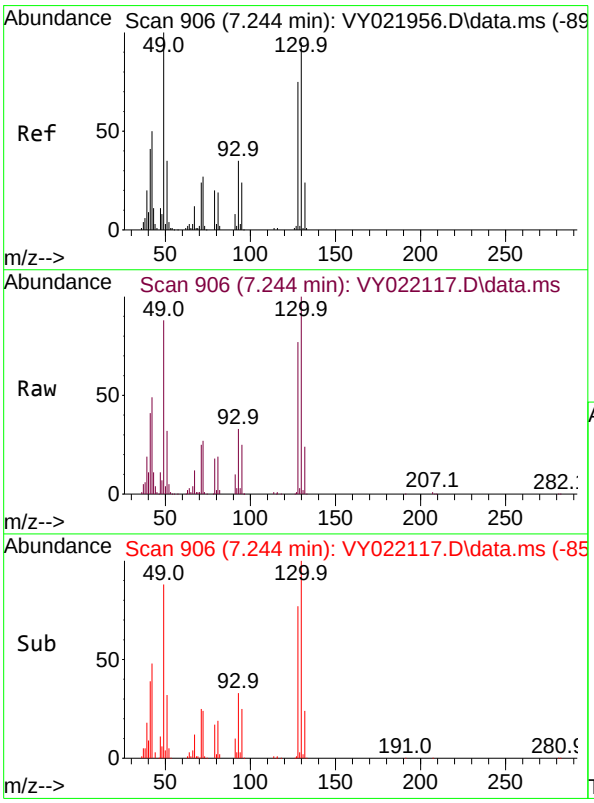
#27
cis-1,2-Dichloroethene
Concen: 49.858 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 323676

Ion	Ratio	Lower	Upper
96	100		
61	120.9	0.0	251.4
98	64.8	0.0	128.4

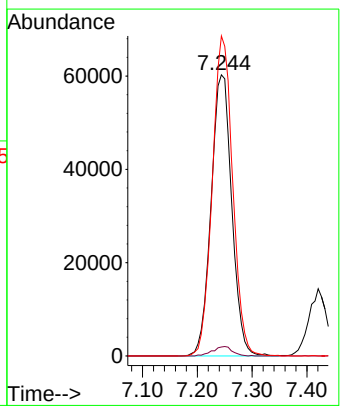


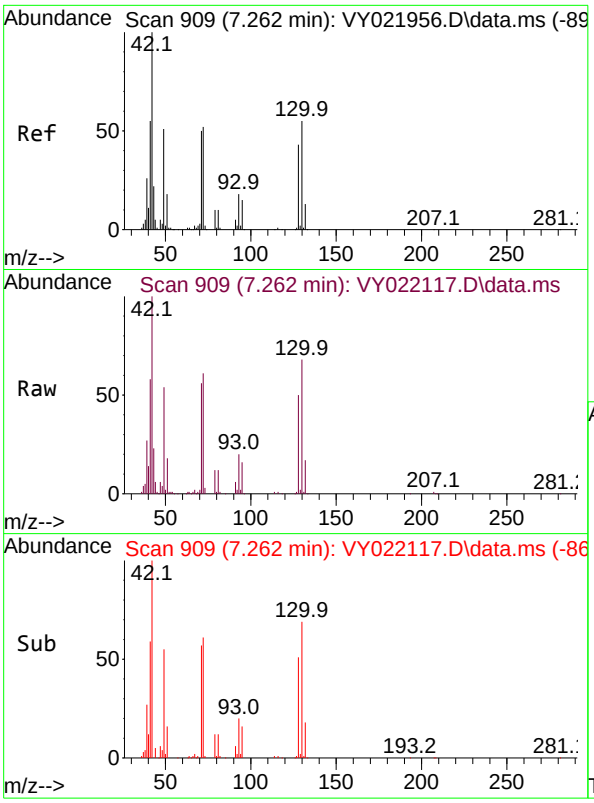


#28
Bromochloromethane
Concen: 43.649 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 49 Resp: 157867

Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.0
130	112.1	78.2	117.4



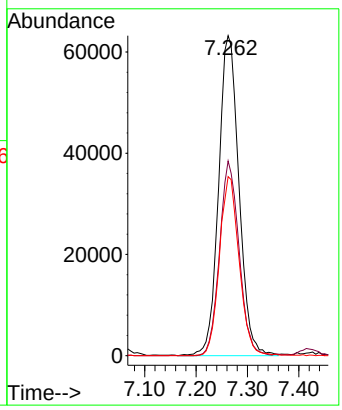


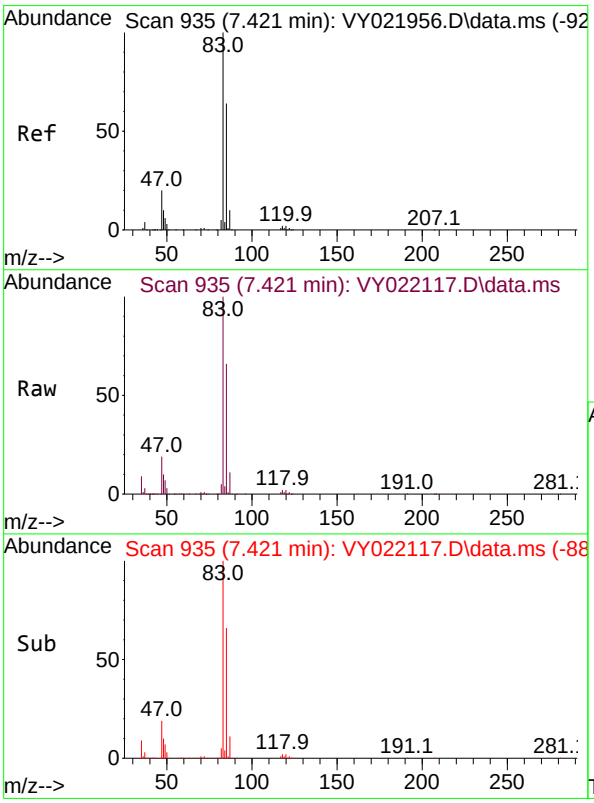
#29
Tetrahydrofuran
Concen: 243.773 ug/l
RT: 7.262 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 173842

Ion	Ratio	Lower	Upper
42	100		
72	58.2	42.6	63.8
71	54.2	40.6	61.0

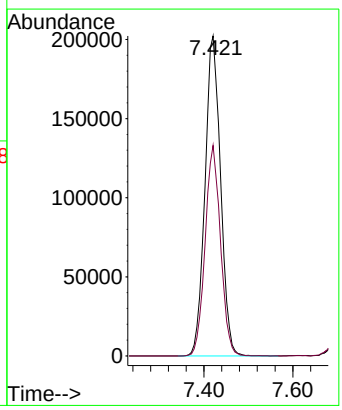


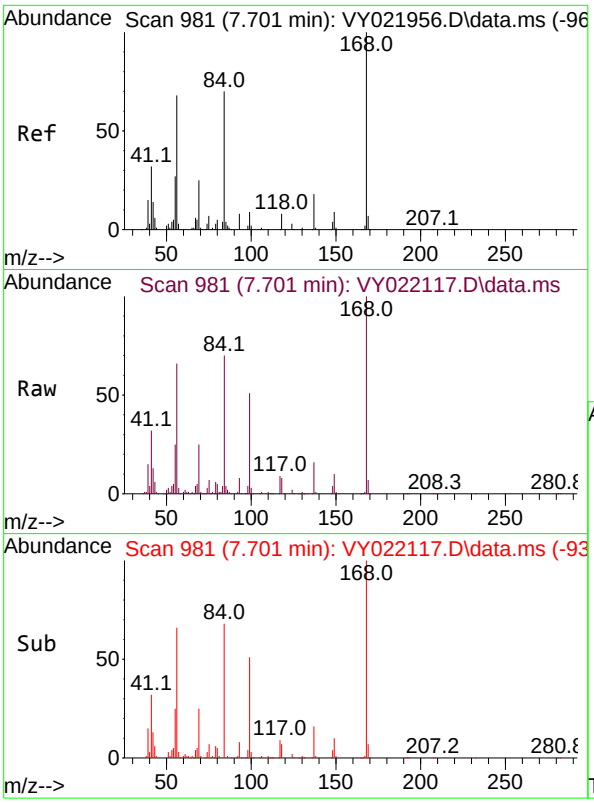


#30
Chloroform
Concen: 47.854 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 83 Resp: 494257

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9



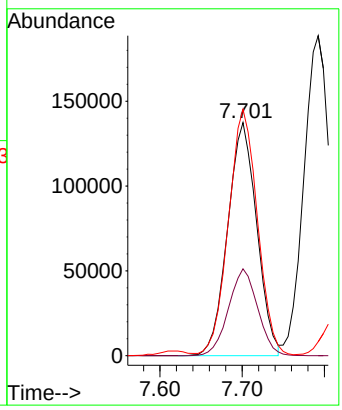


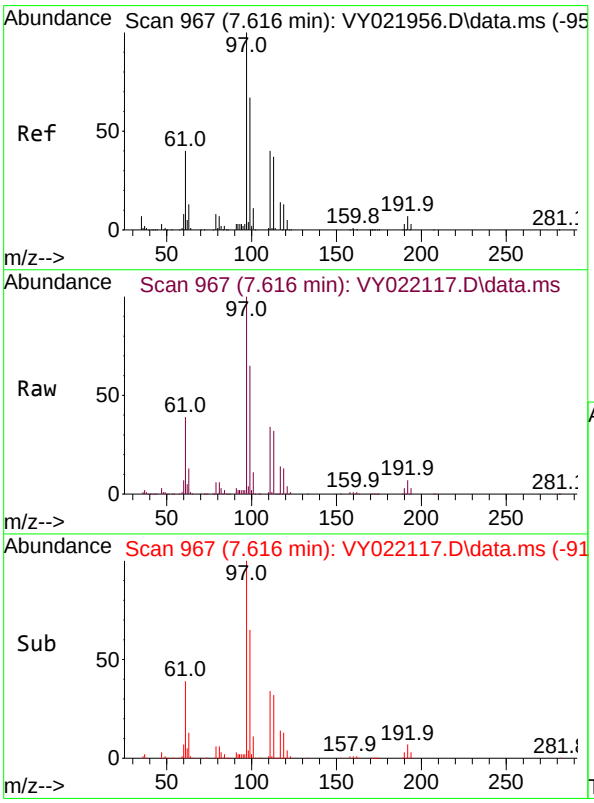
#31
Cyclohexane
Concen: 42.487 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 338310

Ion	Ratio	Lower	Upper
56	100		
69	37.3	29.4	44.2
84	103.8	82.2	123.4

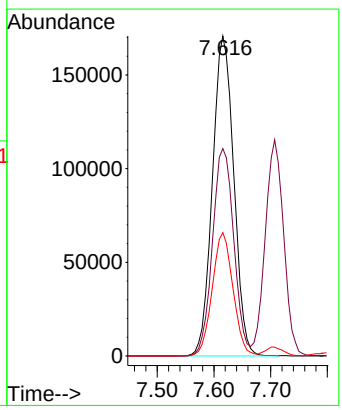


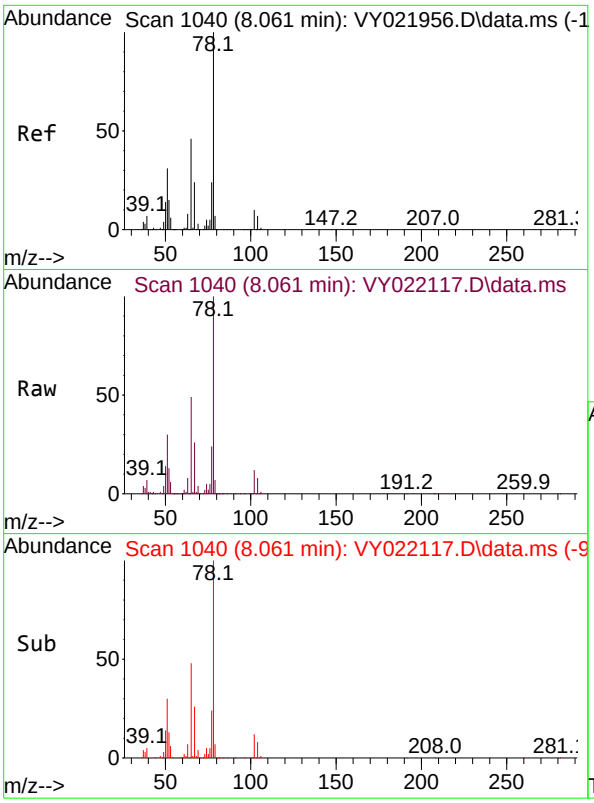


#32
1,1,1-Trichloroethane
Concen: 47.728 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 97 Resp: 445983

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	37.5	31.4	47.2



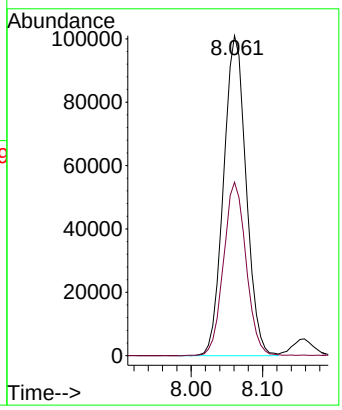


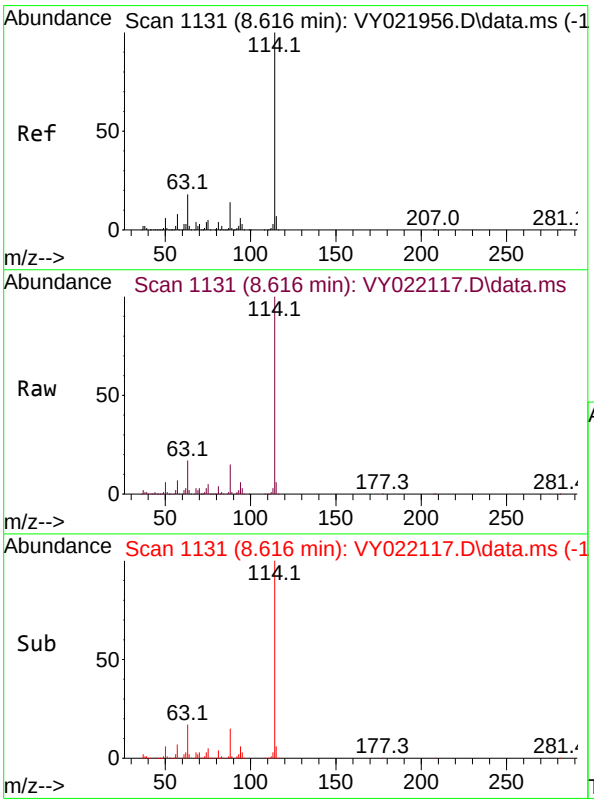
#33
1,2-Dichloroethane-d4
Concen: 45.904 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 221116

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.8

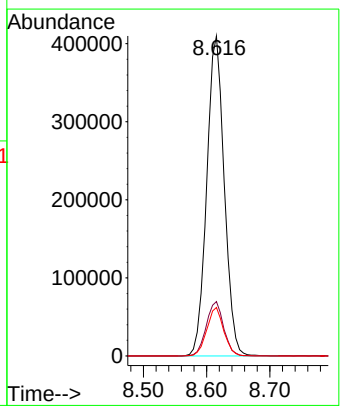


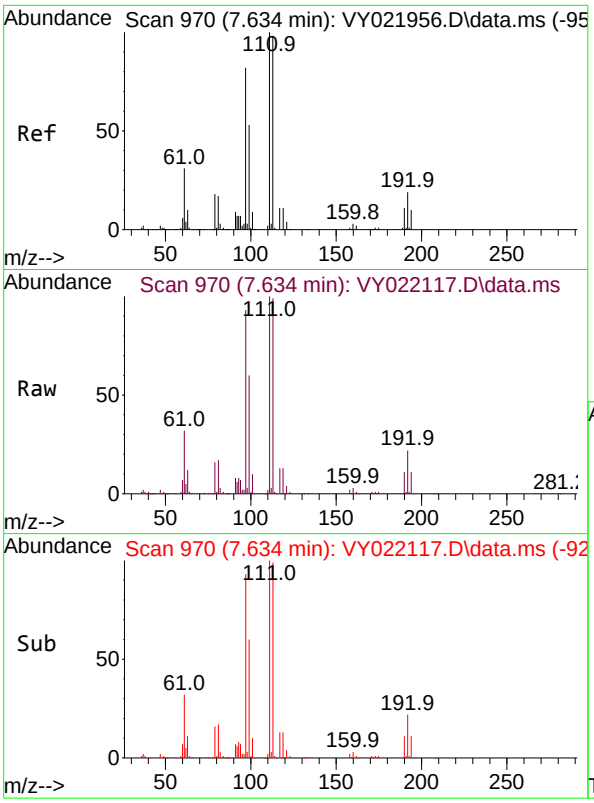


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:114 Resp: 787920

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.4
88	15.2	0.0	28.2



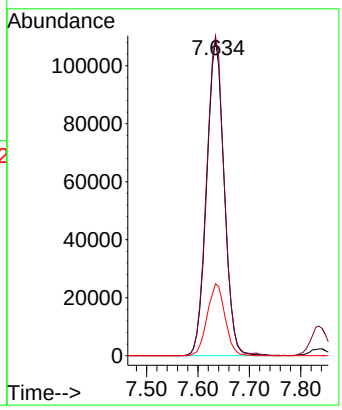


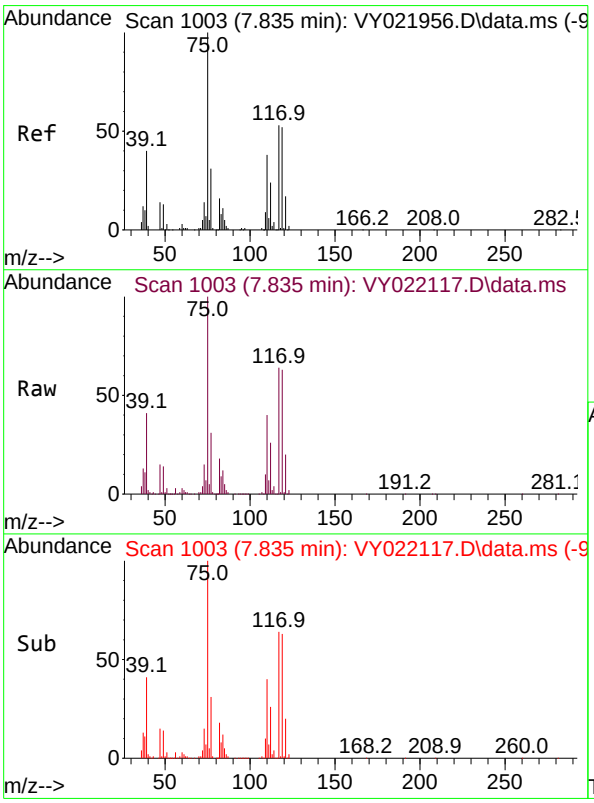
#35
Dibromofluoromethane
Concen: 49.326 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 256764

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.8
192	23.2	15.6	23.4

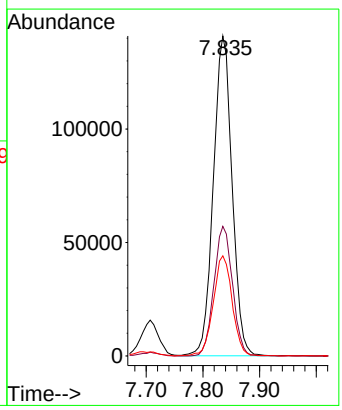


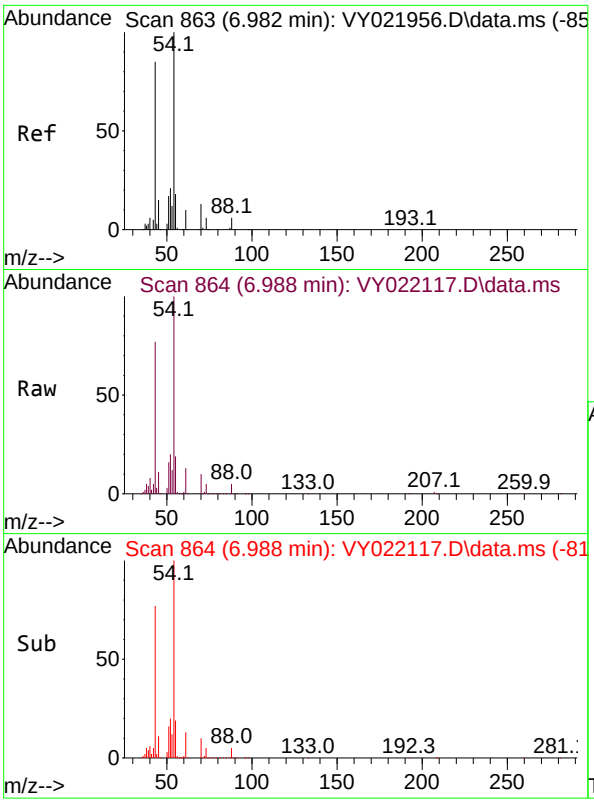


#36
1,1-Dichloropropene
Concen: 46.228 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 323237

Ion	Ratio	Lower	Upper
75	100		
110	40.1	19.1	57.3
77	31.8	25.5	38.3



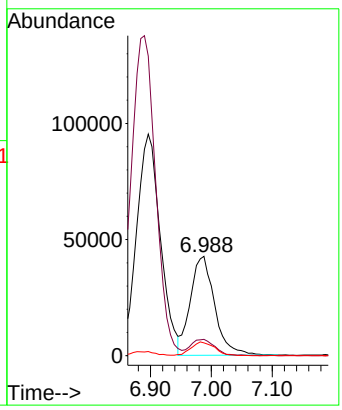


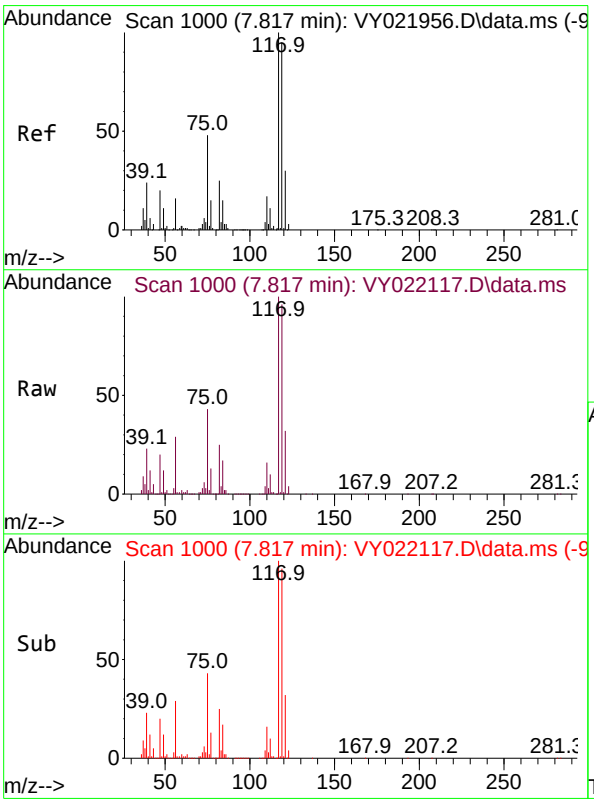
#37
Ethyl Acetate
Concen: 47.048 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 118152

Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.8	20.6
70	13.5	9.2	13.8

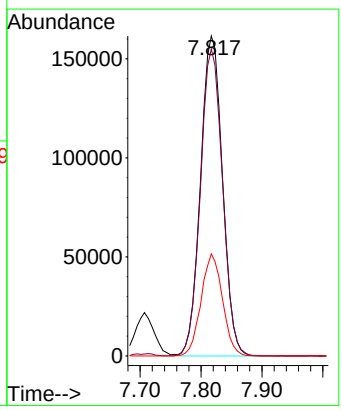


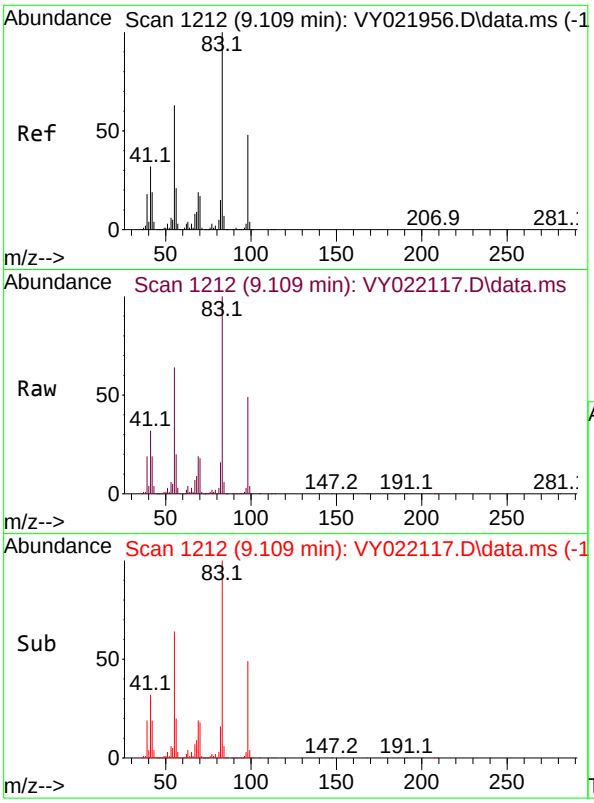


#38
Carbon Tetrachloride
Concen: 48.498 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:117 Resp: 405212

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.2	114.4
121	31.9	24.0	36.0



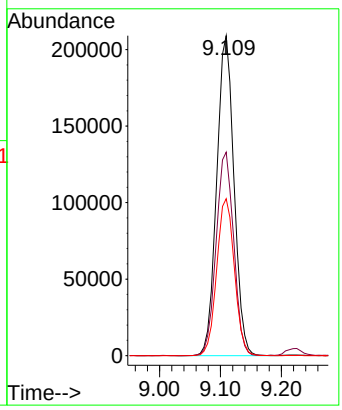


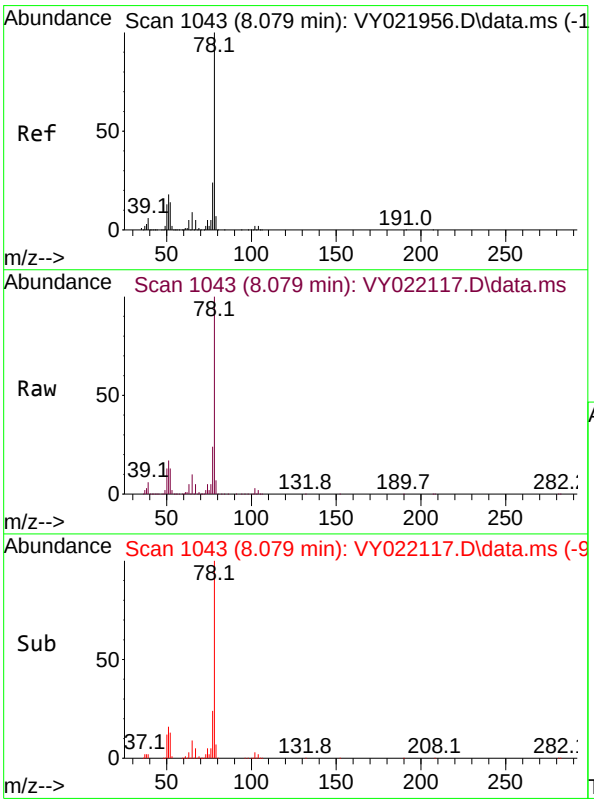
#39
Methylcyclohexane
Concen: 46.900 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 412692

Ion	Ratio	Lower	Upper
83	100		
55	63.6	50.6	75.8
98	49.0	38.6	58.0

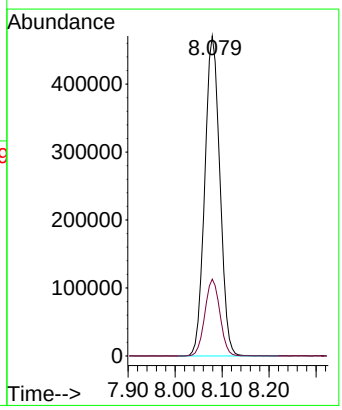


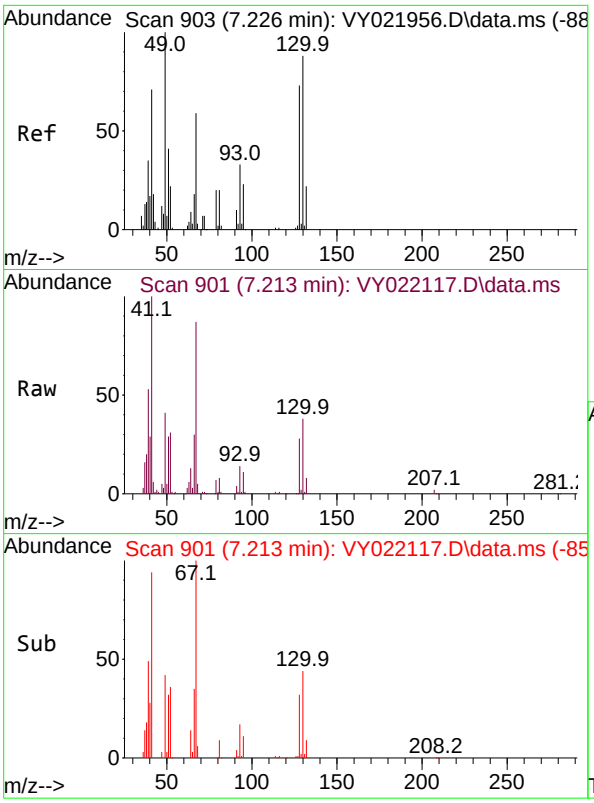


#40
Benzene
Concen: 47.922 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 78 Resp: 1047462

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9



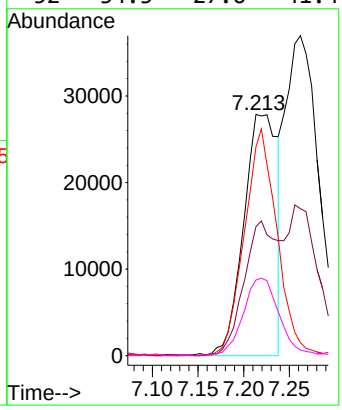


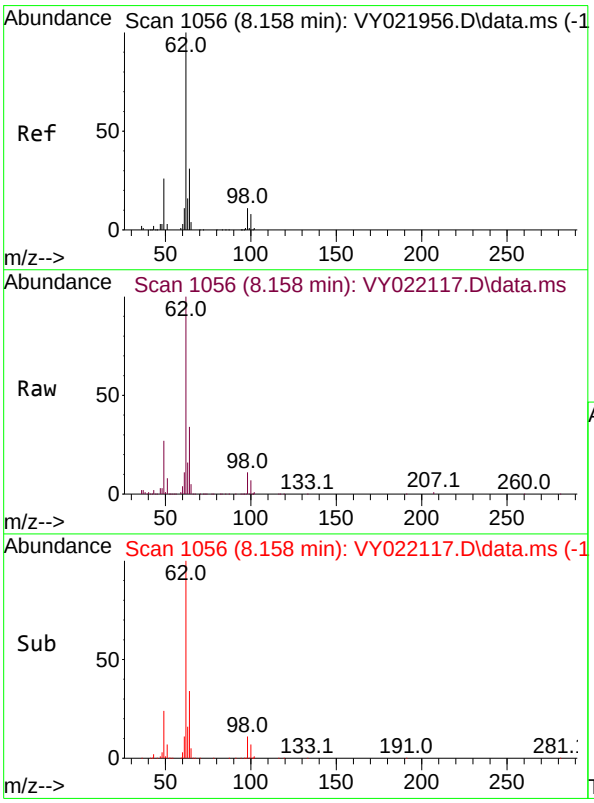
#41
Methacrylonitrile
Concen: 52.167 ug/l
RT: 7.213 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 71615

Ion	Ratio	Lower	Upper
41	100		
39	53.5	36.6	55.0
67	91.9	72.2	108.4
52	34.3	27.6	41.4

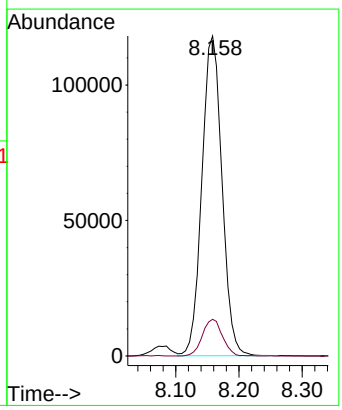


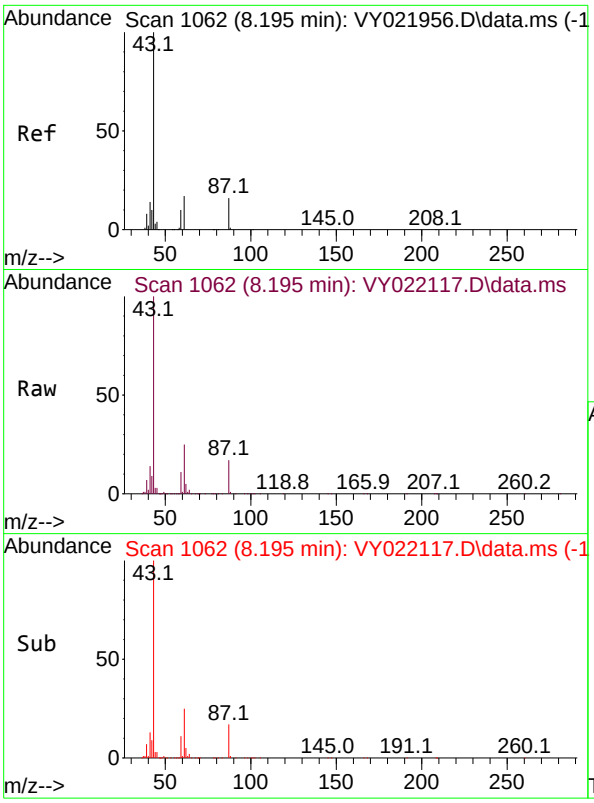


#42
1,2-Dichloroethane
Concen: 48.211 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 62 Resp: 260898

Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	22.0



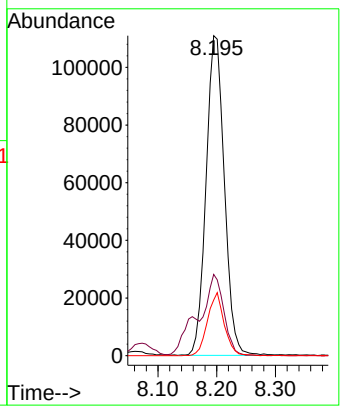


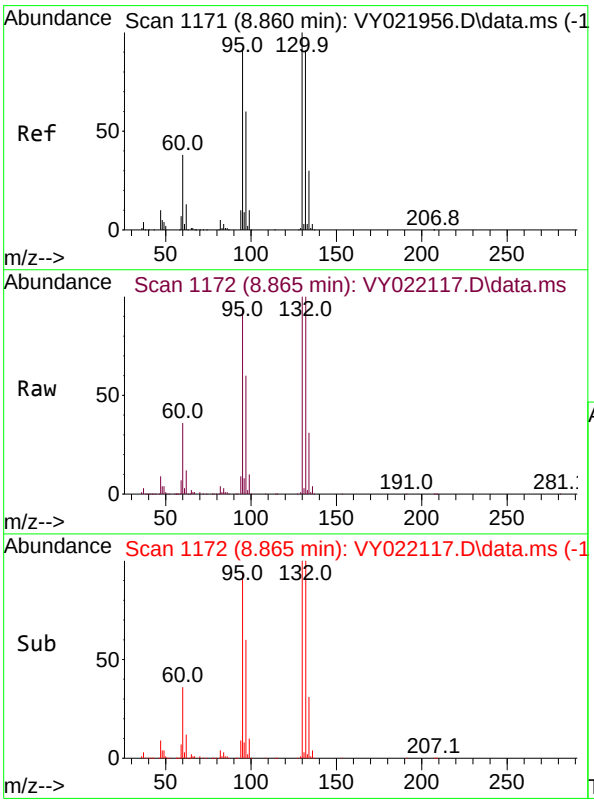
#43
Isopropyl Acetate
Concen: 49.718 ug/l
RT: 8.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 239777

Ion	Ratio	Lower	Upper
43	100		
61	24.6	18.9	28.3
87	18.1	13.7	20.5

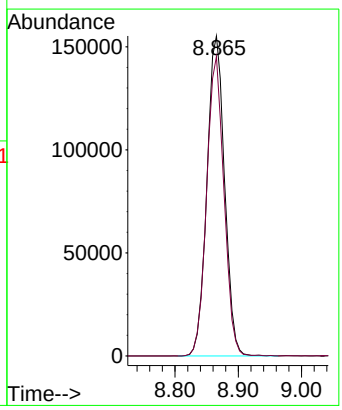


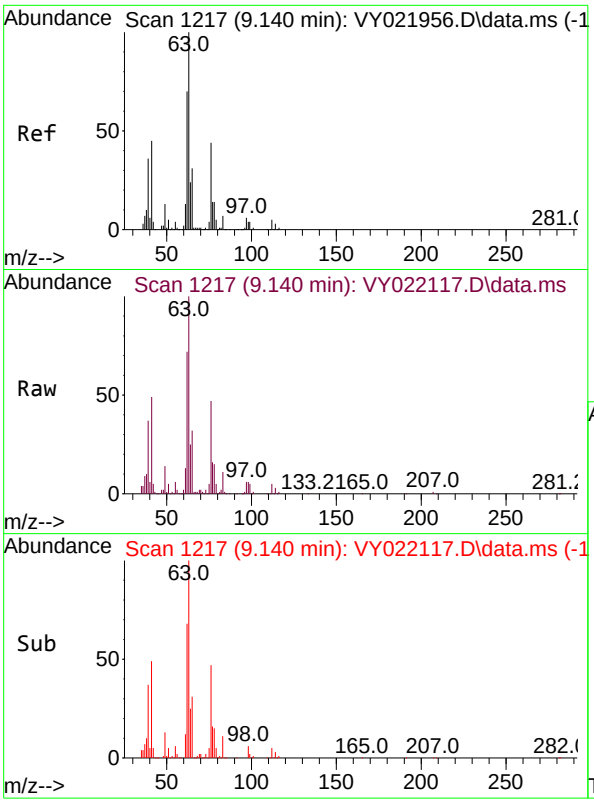


#44
Trichloroethene
Concen: 49.676 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:130 Resp: 300752

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	183.2



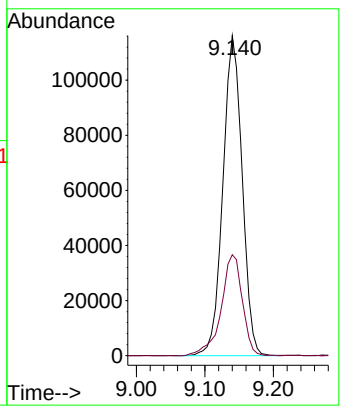


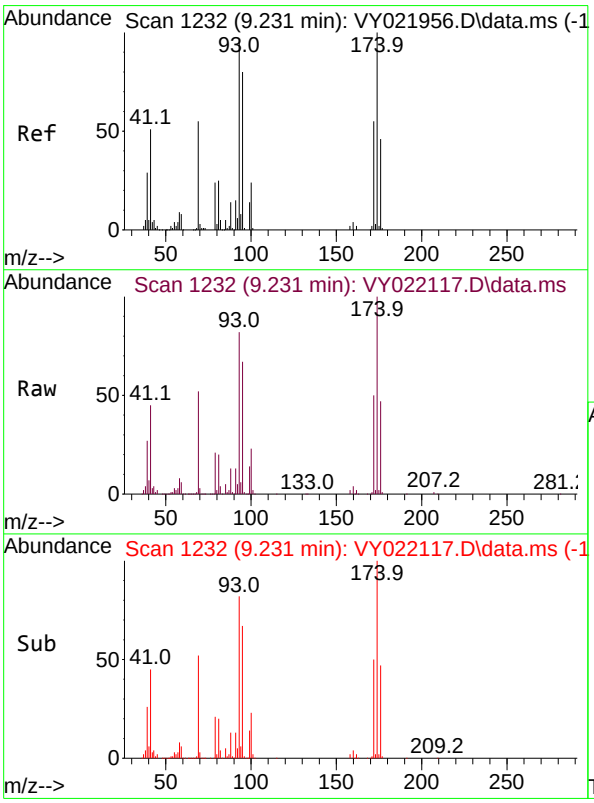
#45
1,2-Dichloropropane
Concen: 46.838 ug/l
RT: 9.140 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 226402

Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.2	37.8

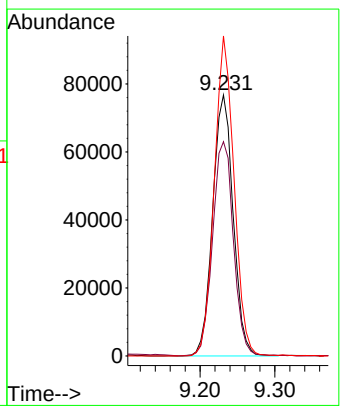


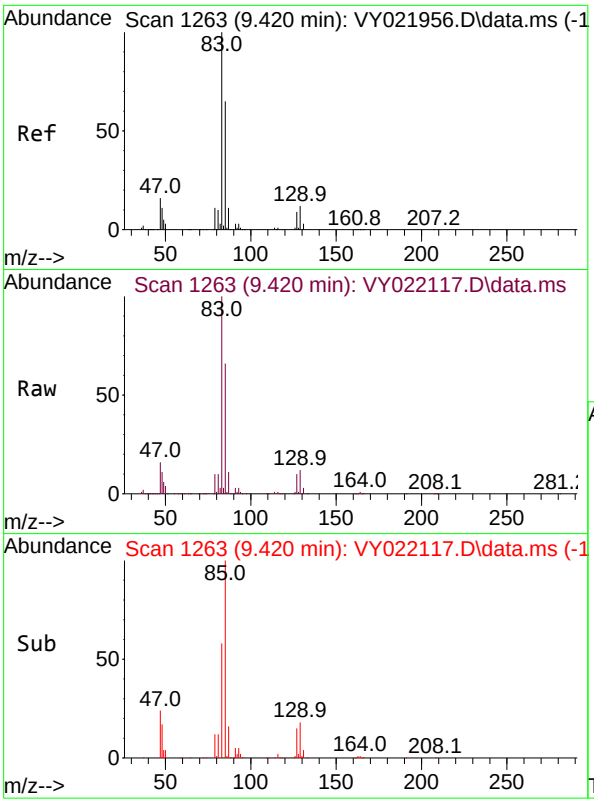


#46
Dibromomethane
Concen: 48.316 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 93 Resp: 146196

Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.7	100.1
174	117.9	84.6	127.0



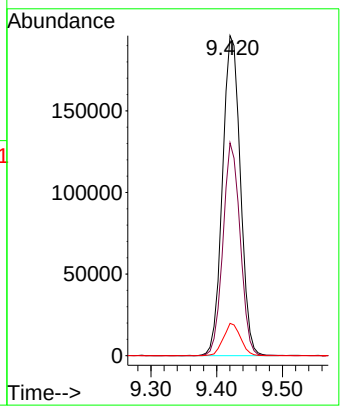


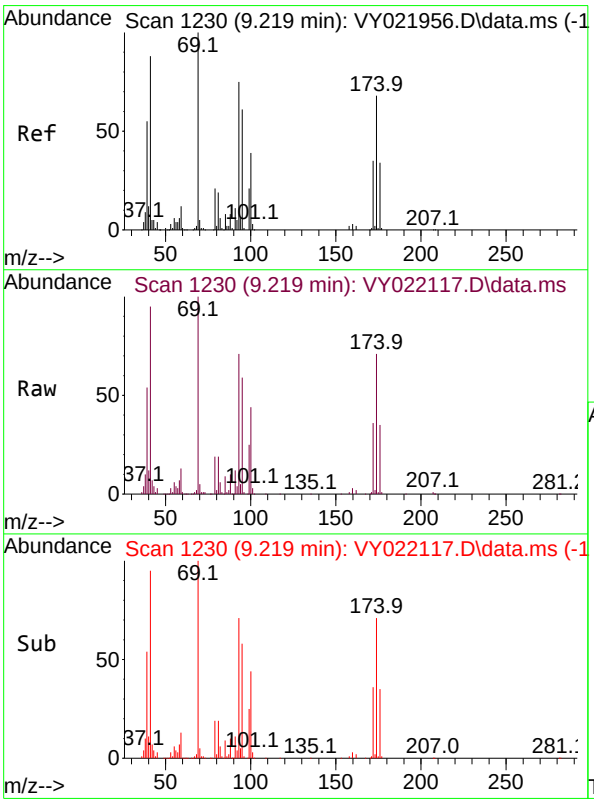
#47
Bromodichloromethane
Concen: 49.076 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 370965

Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.8	77.8
127	10.1	7.0	10.6

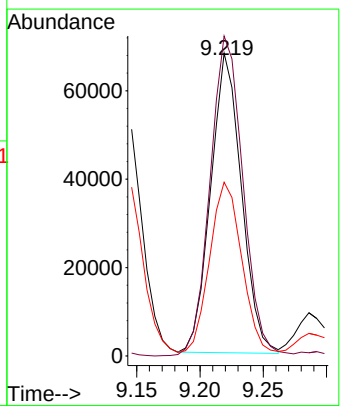


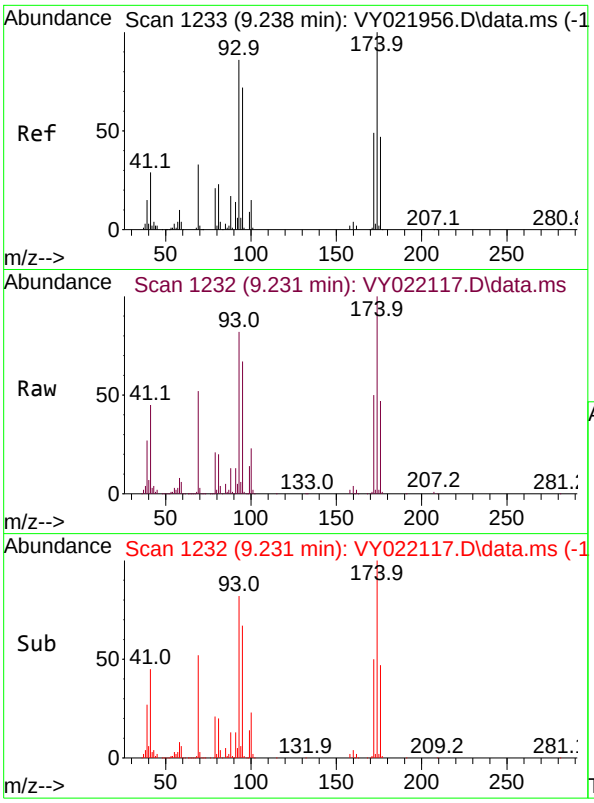


#48
Methyl methacrylate
Concen: 51.420 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 41 Resp: 114638

Ion	Ratio	Lower	Upper
41	100		
69	114.0	85.5	128.3
39	59.3	46.2	69.4



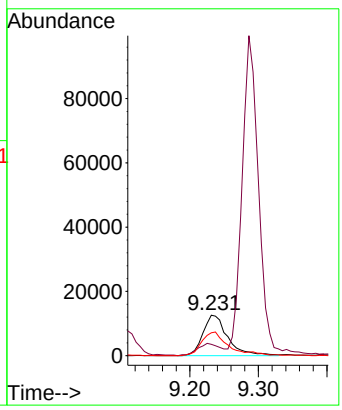


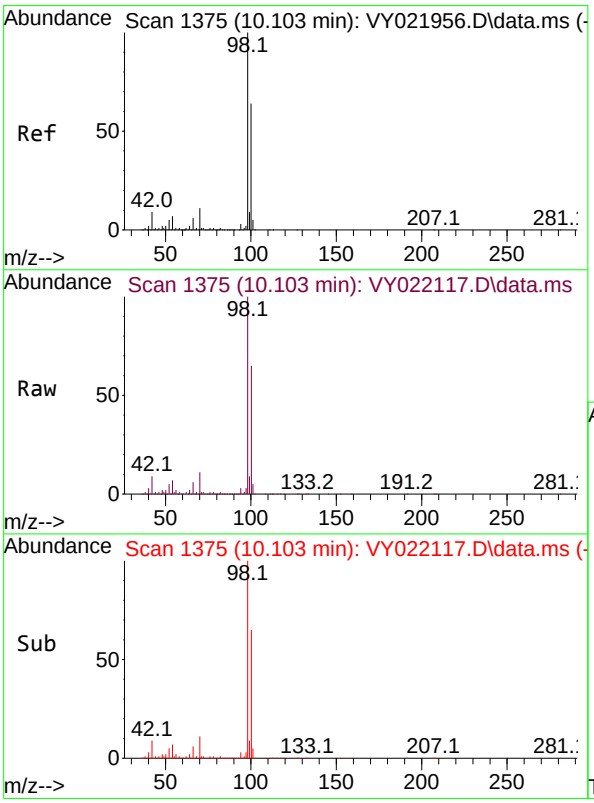
#49
1,4-Dioxane
Concen: 983.083 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 31705

Ion	Ratio	Lower	Upper
88	100		
43	27.1	21.3	31.9
58	63.9	50.5	75.7

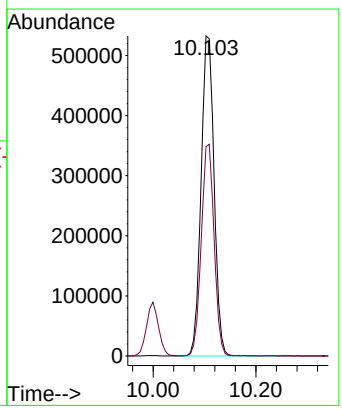


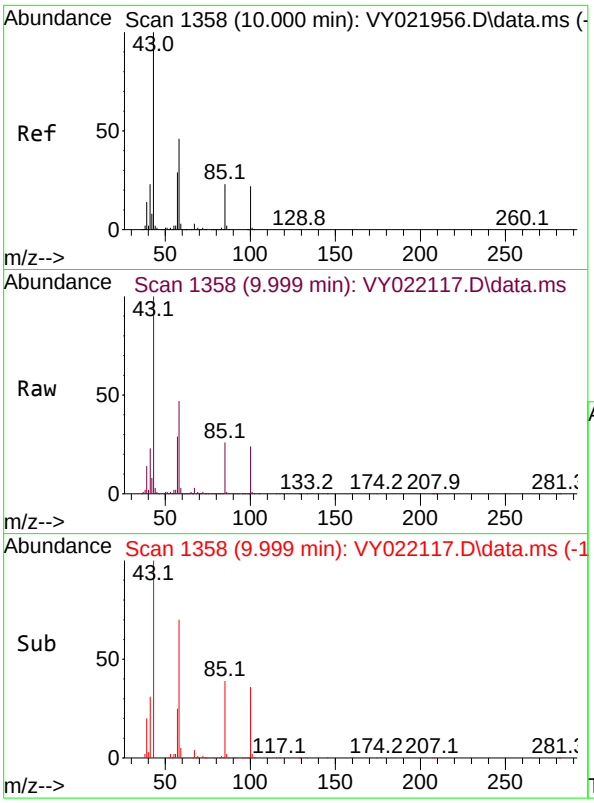


#50
Toluene-d8
Concen: 47.459 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 98 Resp: 931345

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4



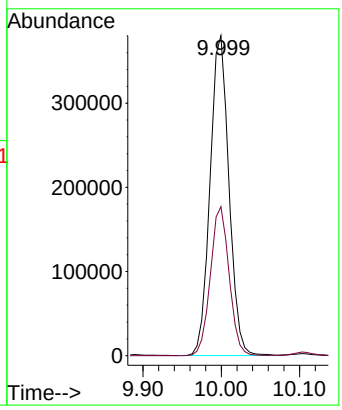


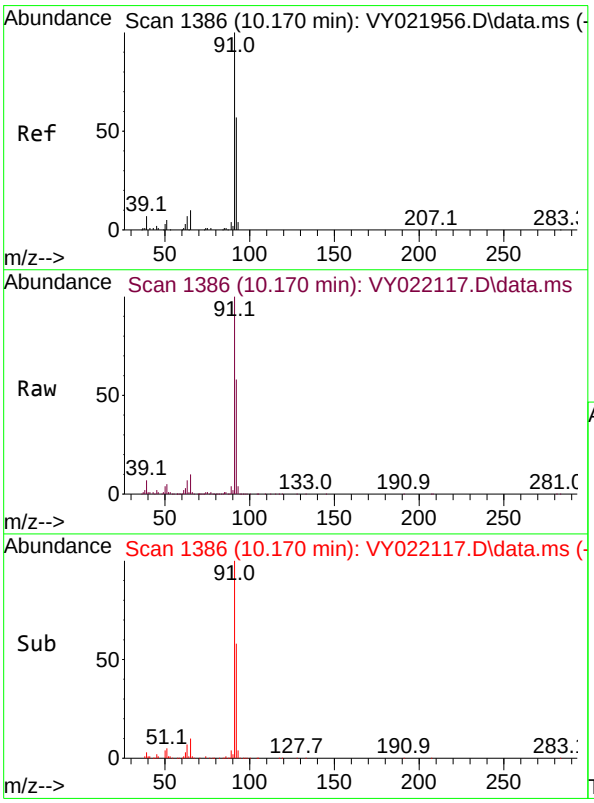
#51
4-Methyl-2-Pentanone
Concen: 251.616 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 636116

Ion	Ratio	Lower	Upper
43	100		
58	46.3	36.6	55.0

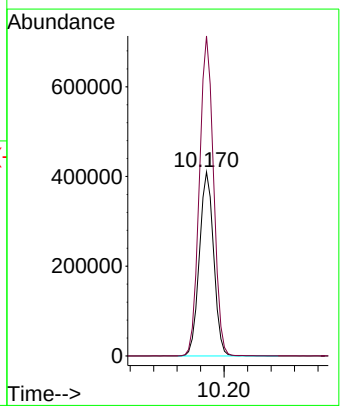


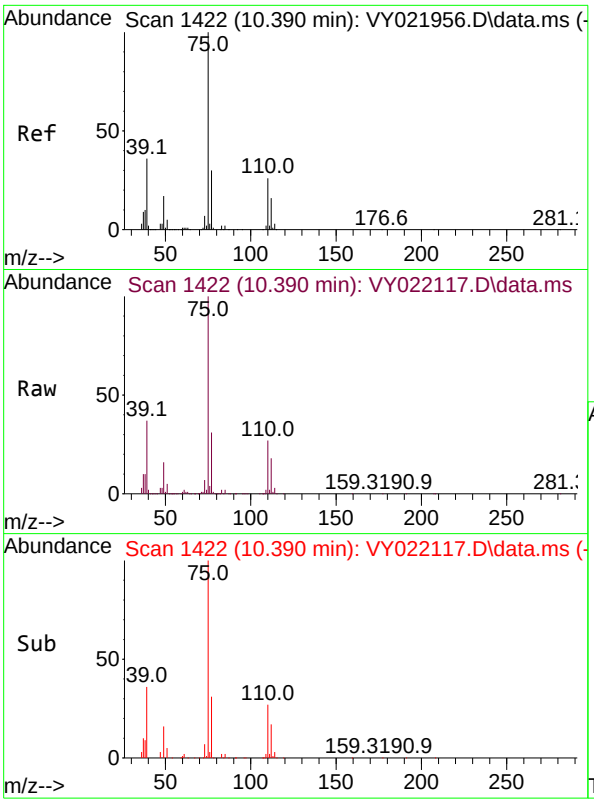


#52
Toluene
Concen: 48.855 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 92 Resp: 691233

Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.6	207.8



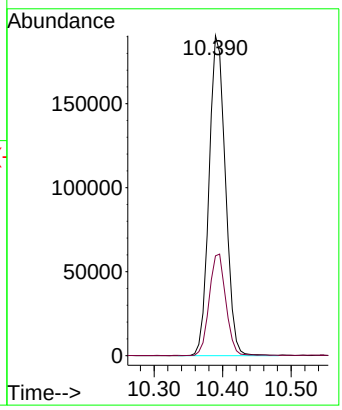


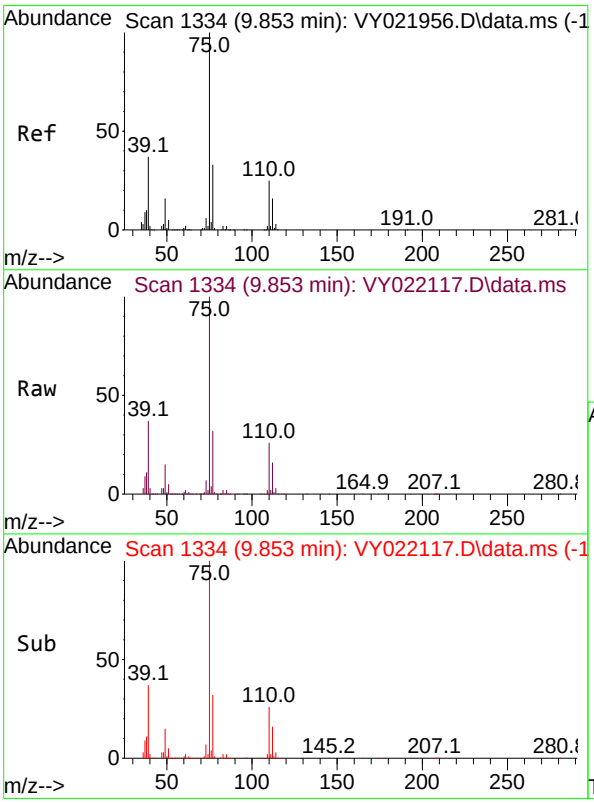
#53
t-1,3-Dichloropropene
Concen: 48.687 ug/l
RT: 10.390 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 315674

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.0	36.0

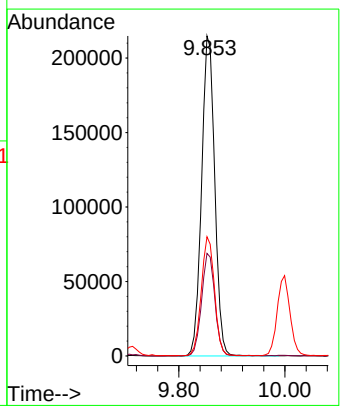


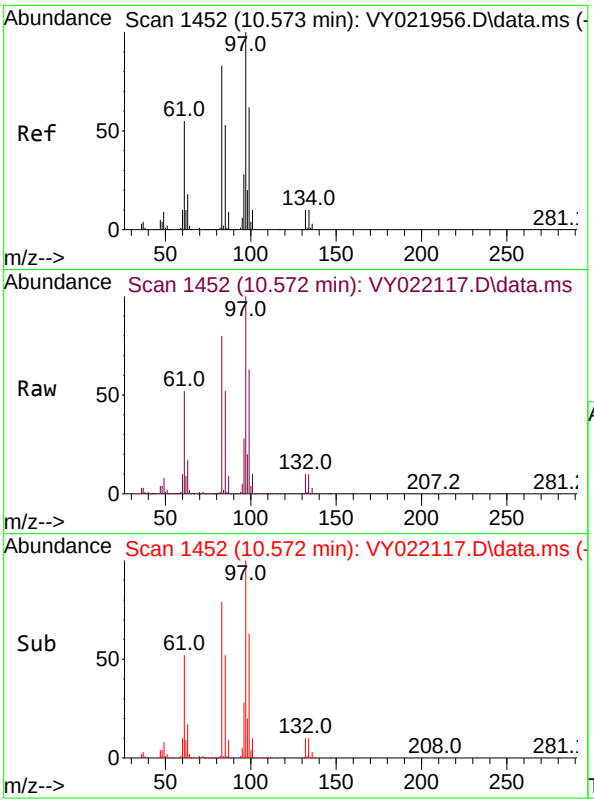


#54
cis-1,3-Dichloropropene
Concen: 48.026 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 370153

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.6	40.0
39	37.1	29.6	44.4



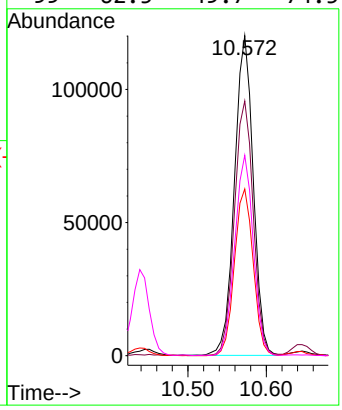


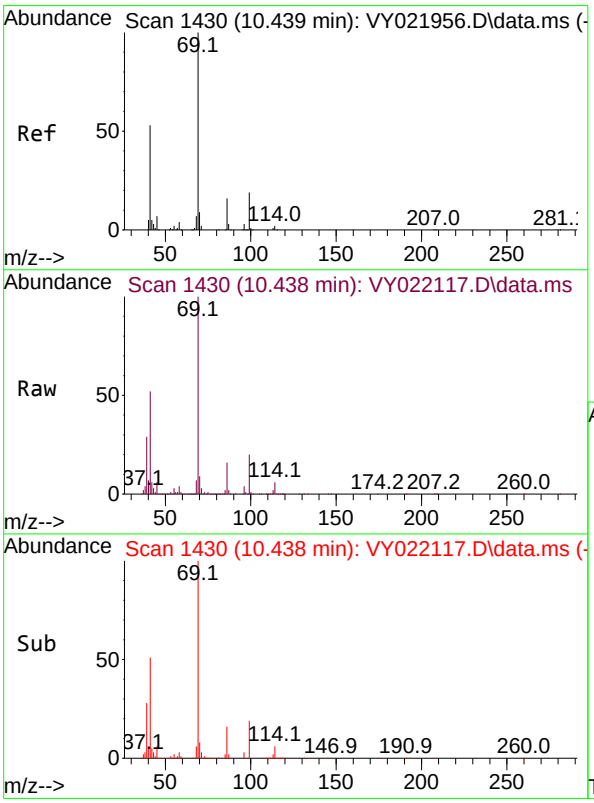
#55
1,1,2-Trichloroethane
Concen: 49.394 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 199643

Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.7	100.1
85	52.1	42.6	64.0
99	62.5	49.7	74.5

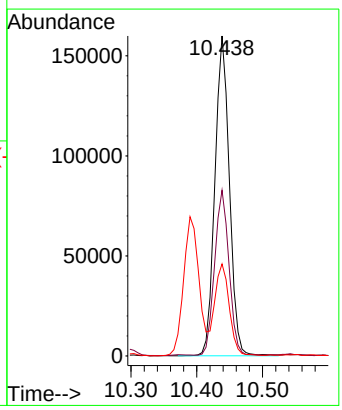


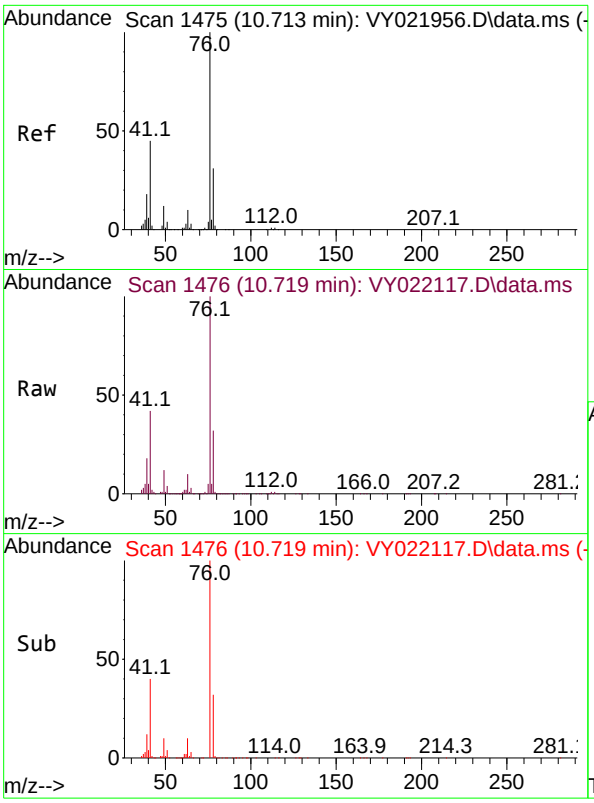


#56
Ethyl methacrylate
Concen: 53.079 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 69 Resp: 245334

Ion	Ratio	Lower	Upper
69	100		
41	51.1	40.7	61.1
39	29.2	23.3	34.9



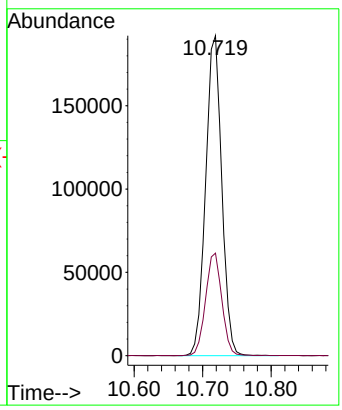


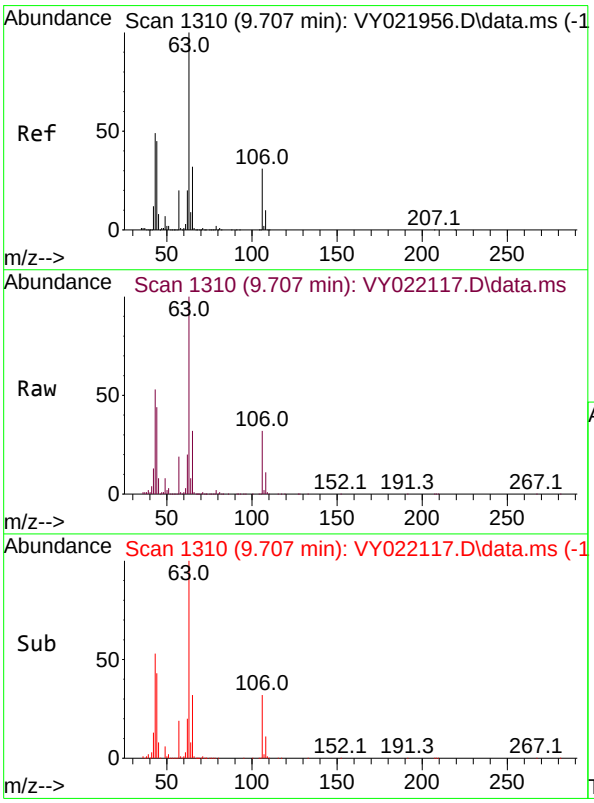
#57
1,3-Dichloropropane
Concen: 48.460 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 314000

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.6	39.8

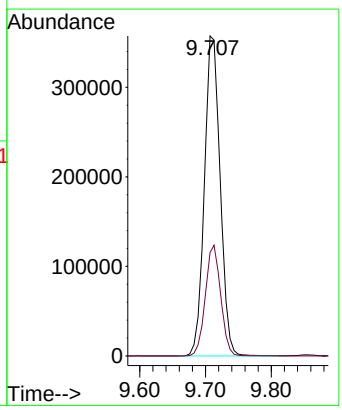


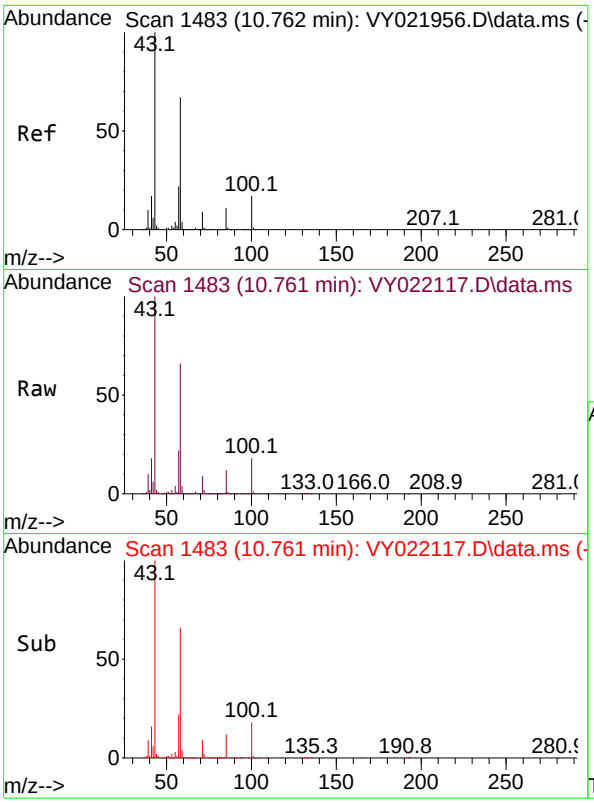


#58
2-Chloroethyl Vinyl ether
Concen: 264.249 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 63 Resp: 597172

Ion	Ratio	Lower	Upper
63	100		
106	33.6	25.3	37.9



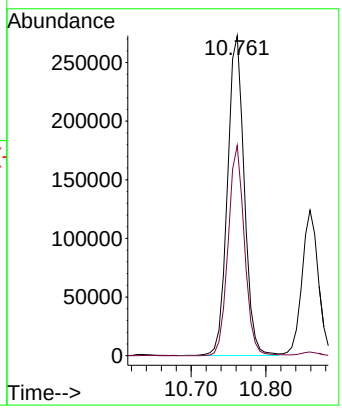


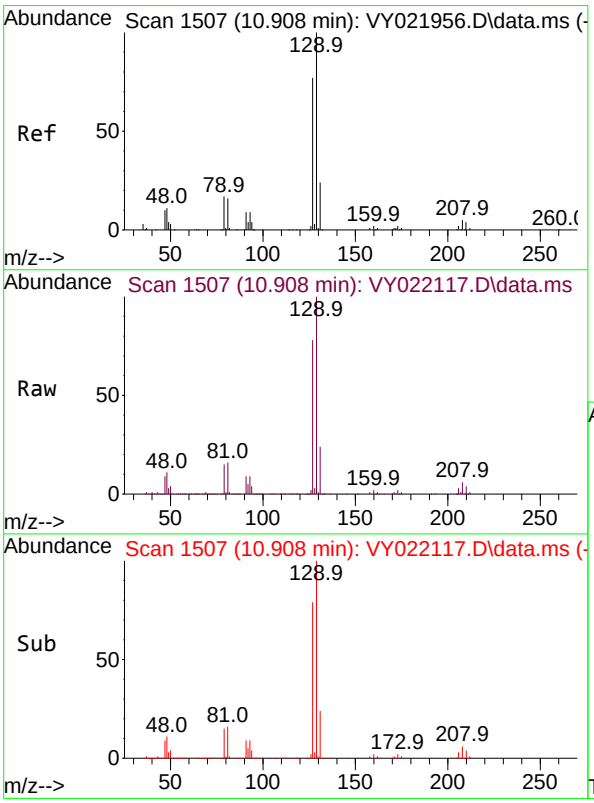
#59
2-Hexanone
Concen: 255.220 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 425582

Ion	Ratio	Lower	Upper
43	100		
58	64.2	32.0	96.0

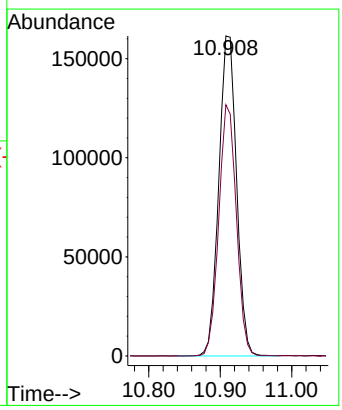


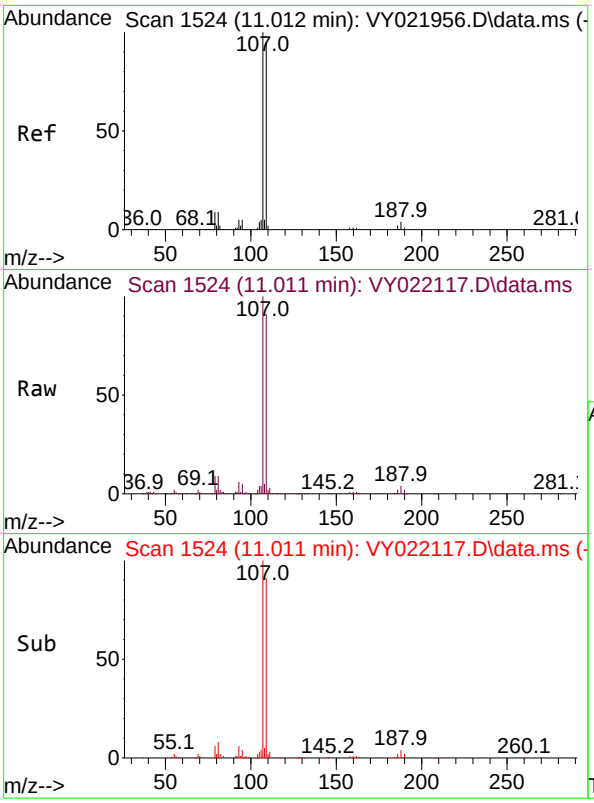


#60
Dibromochloromethane
Concen: 49.834 ug/l
RT: 10.908 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:129 Resp: 278863

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.3



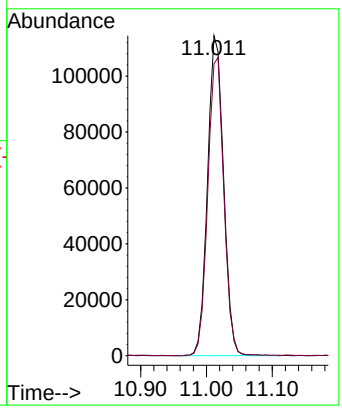


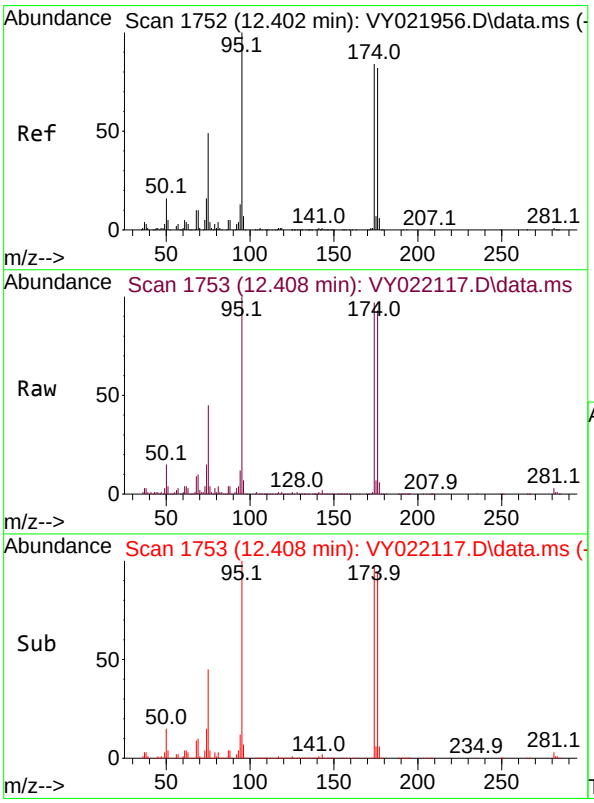
#61
1,2-Dibromoethane
Concen: 50.932 ug/l
RT: 11.011 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 194344

Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.8	113.8

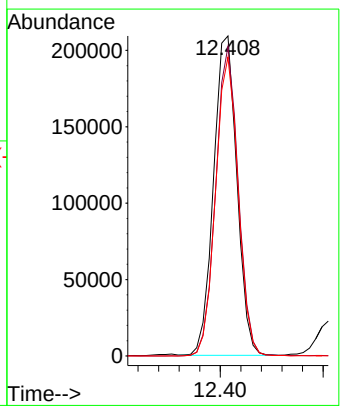


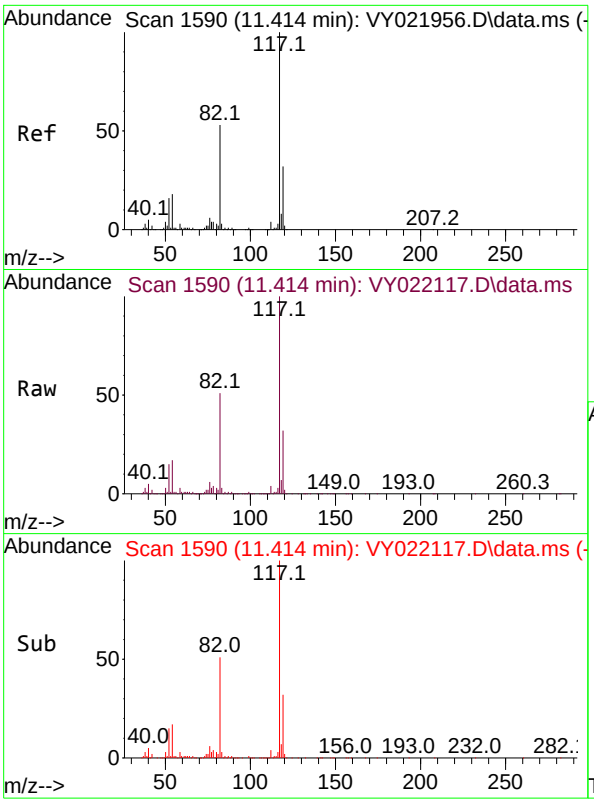


#62
4-Bromofluorobenzene
Concen: 49.712 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 95 Resp: 328413

Ion	Ratio	Lower	Upper
95	100		
174	93.7	0.0	179.0
176	91.1	0.0	171.8



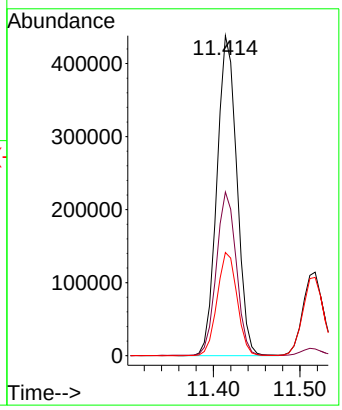


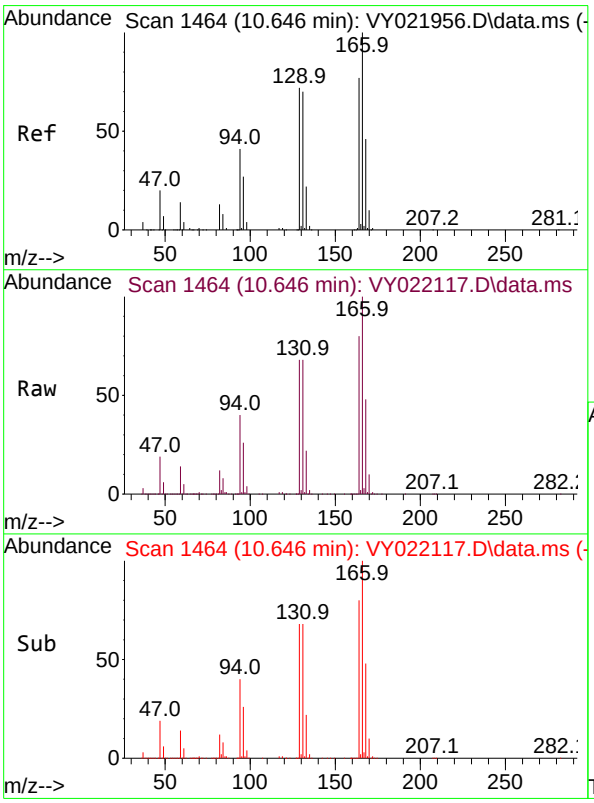
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 699813

Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.1	63.1
119	32.3	25.7	38.5

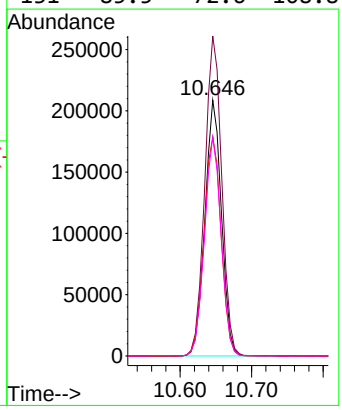


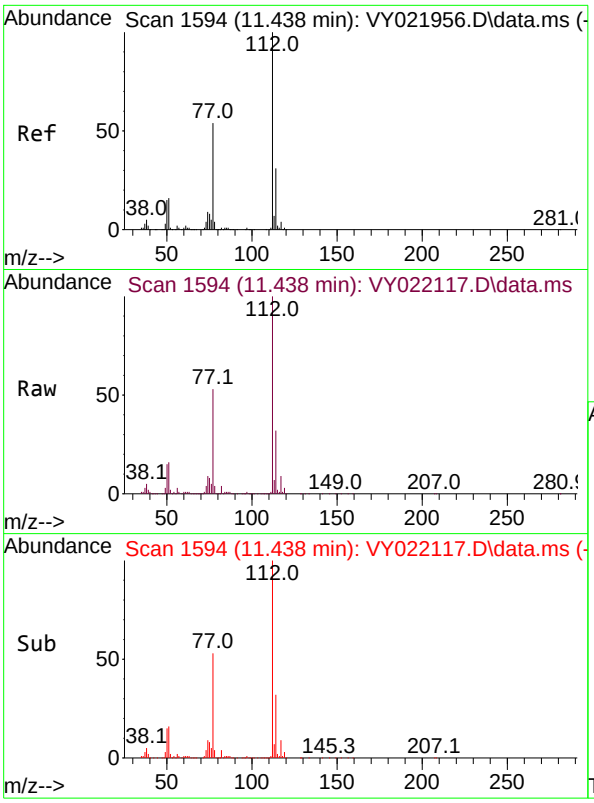


#64
Tetrachloroethene
Concen: 50.834 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:164 Resp: 335593

Ion	Ratio	Lower	Upper
164	100		
166	125.1	103.6	155.4
129	85.6	74.2	111.4
131	85.5	72.6	108.8



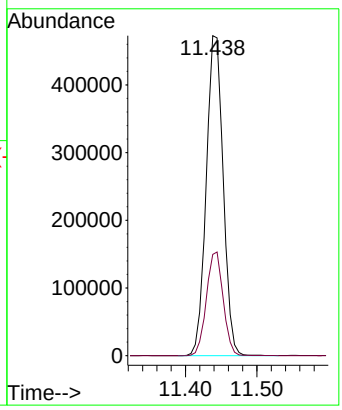


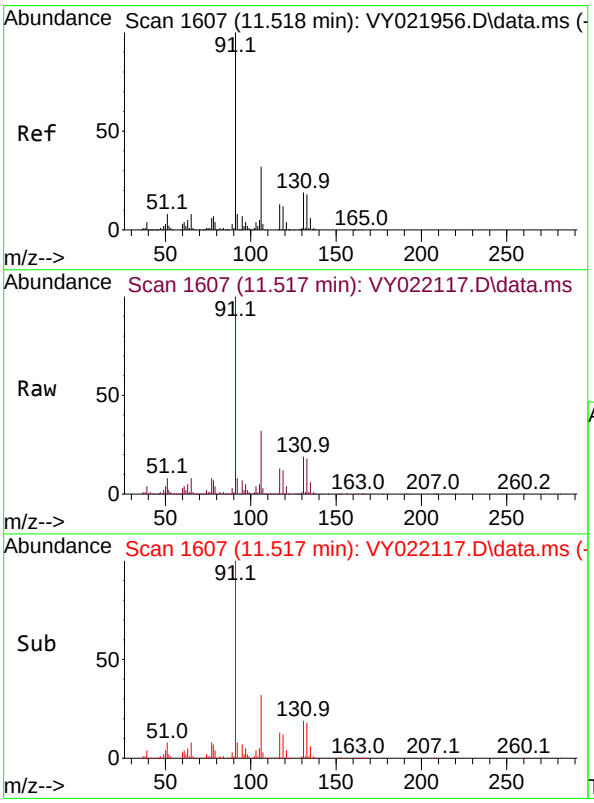
#65
Chlorobenzene
Concen: 49.658 ug/l
RT: 11.438 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 777130

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.0	37.4

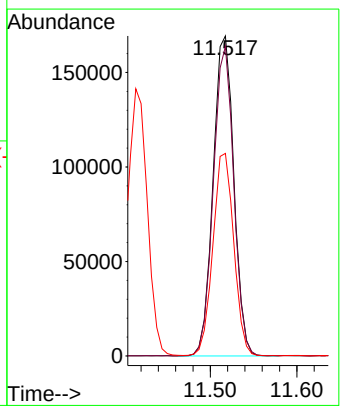


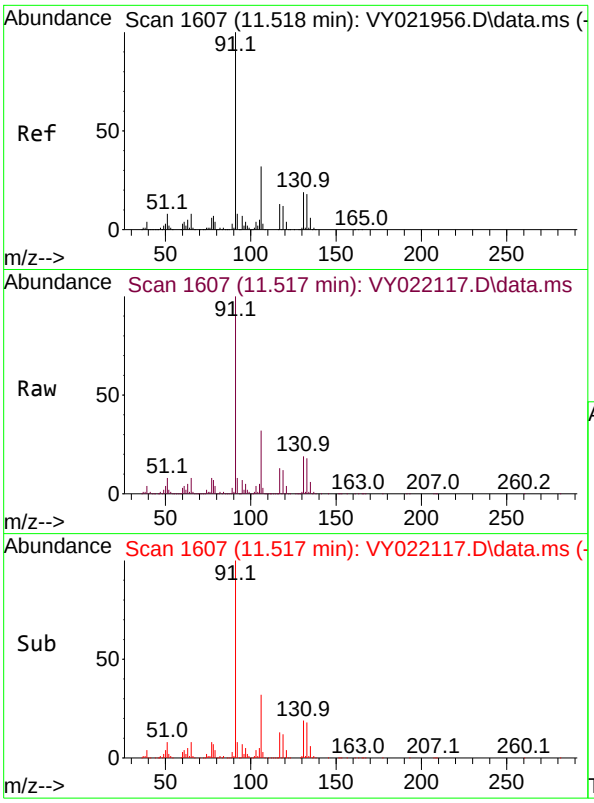


#66
1,1,1,2-Tetrachloroethane
Concen: 51.163 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:131 Resp: 281882

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.8	143.3
119	63.6	32.4	97.0



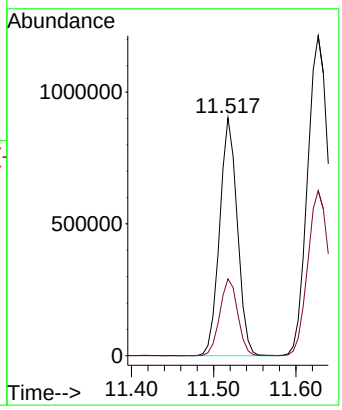


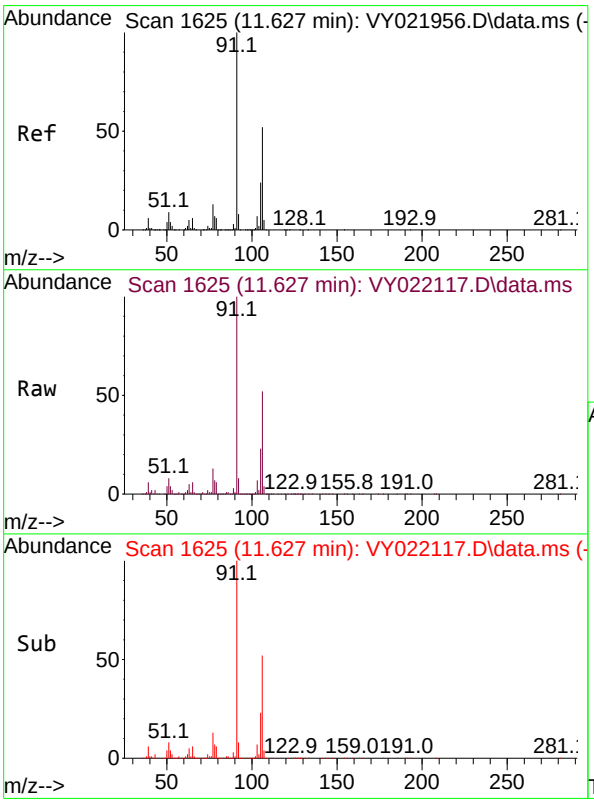
#67
Ethyl Benzene
Concen: 52.548 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1345250

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.9	38.9

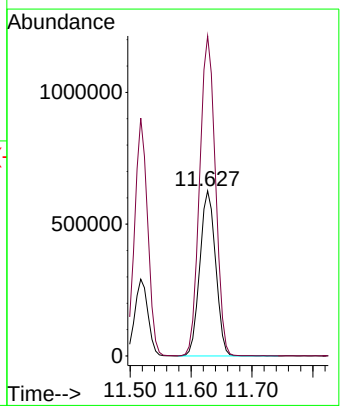


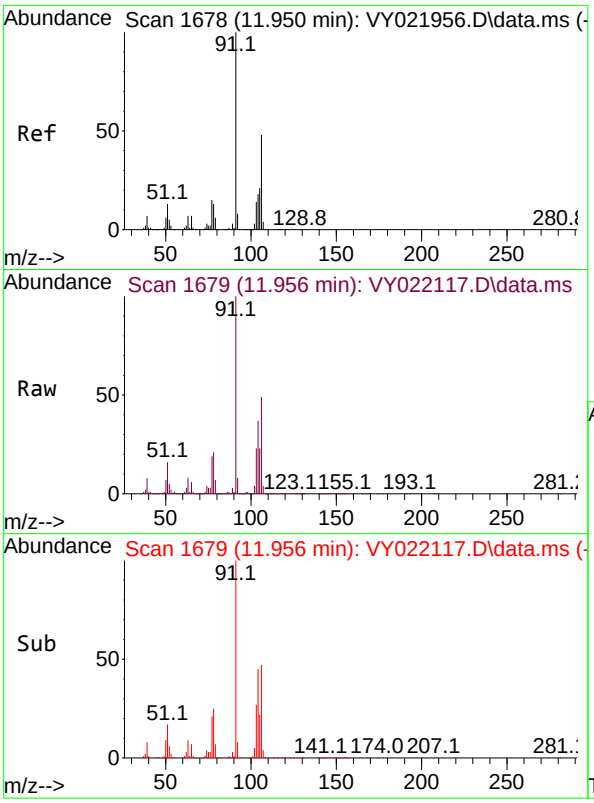


#68
m/p-Xylenes
Concen: 110.666 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:106 Resp: 1127340

Ion	Ratio	Lower	Upper
106	100		
91	193.4	156.2	234.2



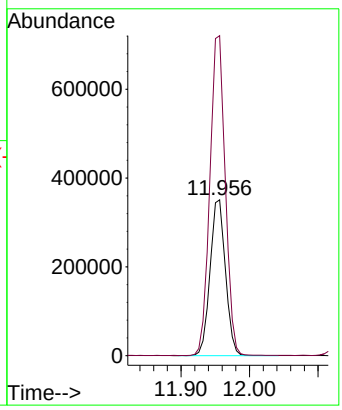


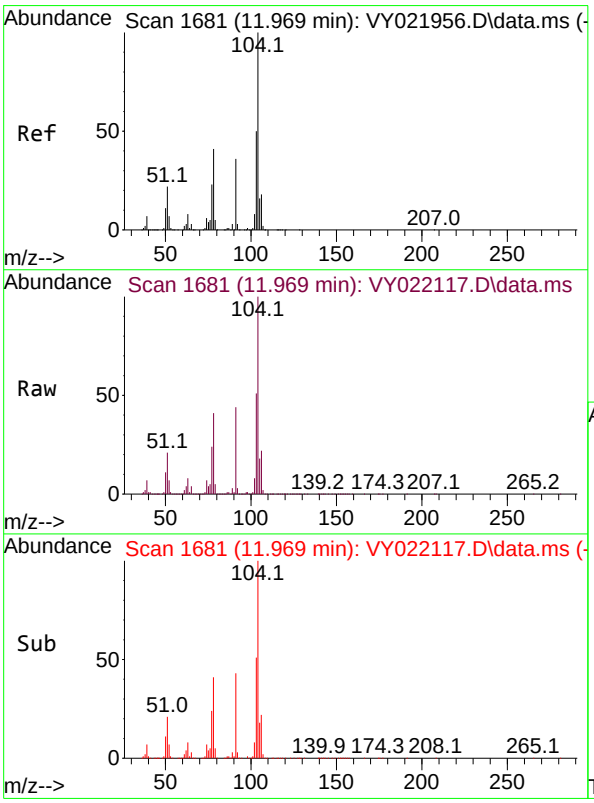
#69
o-Xylene
Concen: 58.218 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 546612

Ion	Ratio	Lower	Upper
106	100		
91	206.2	103.0	308.9

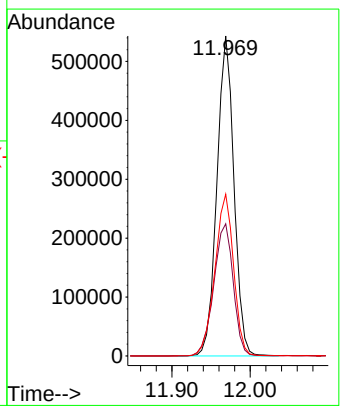


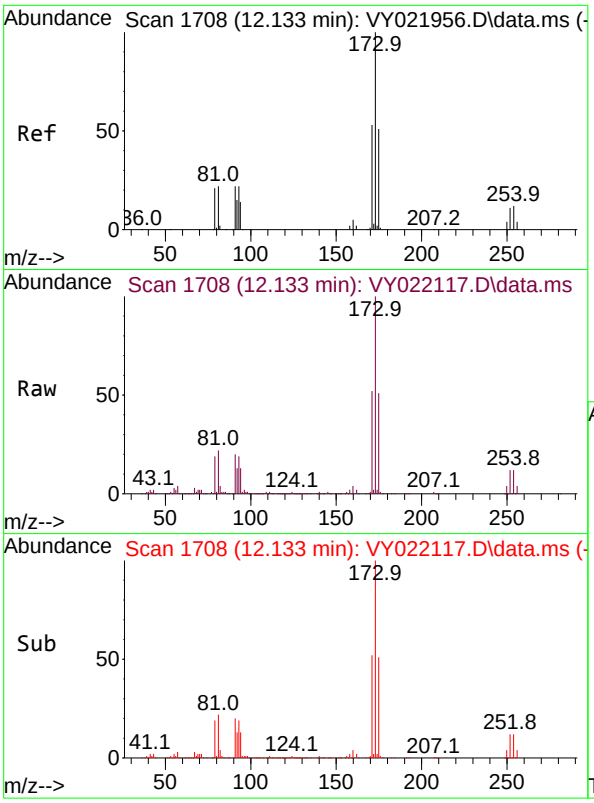


#70
Styrene
Concen: 52.252 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:104 Resp: 823742

Ion	Ratio	Lower	Upper
104	100		
78	47.2	36.6	54.8
103	55.4	43.8	65.8



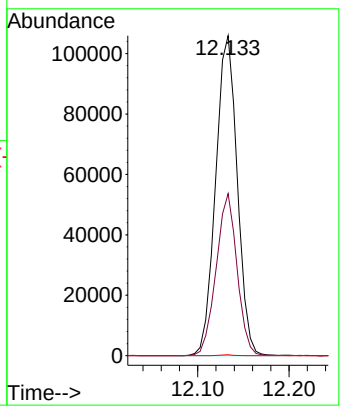


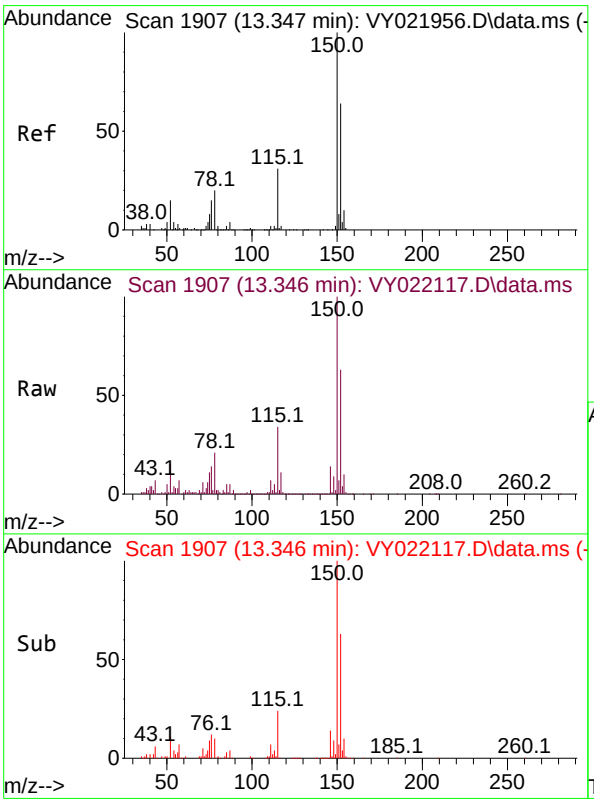
#71
Bromoform
Concen: 54.295 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 173918

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.2	0.0	0.0#

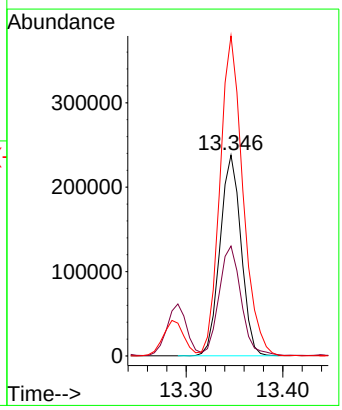


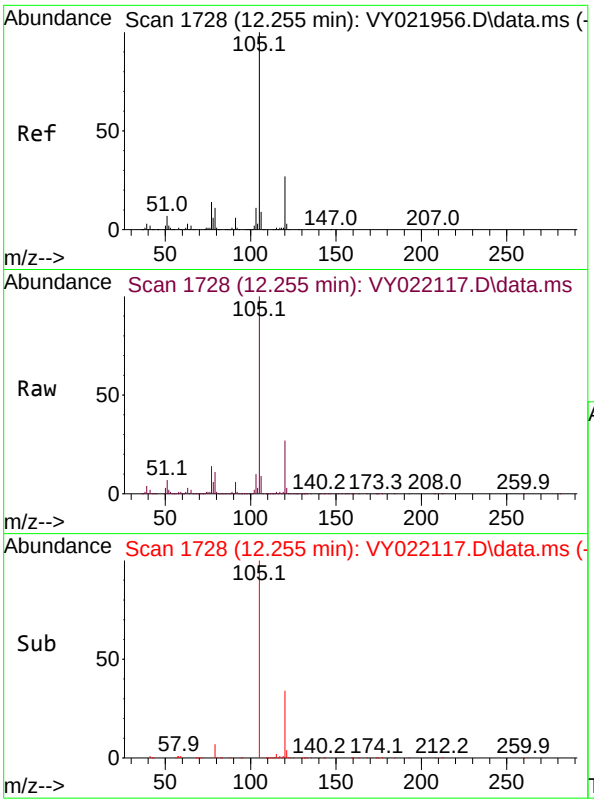


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:152 Resp: 359809

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	173.7	0.0	345.6



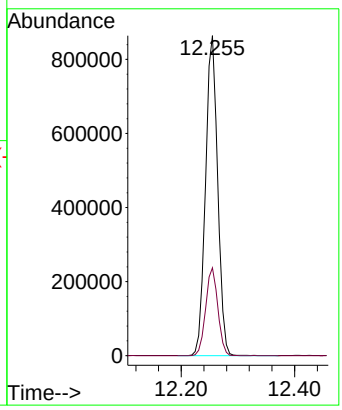


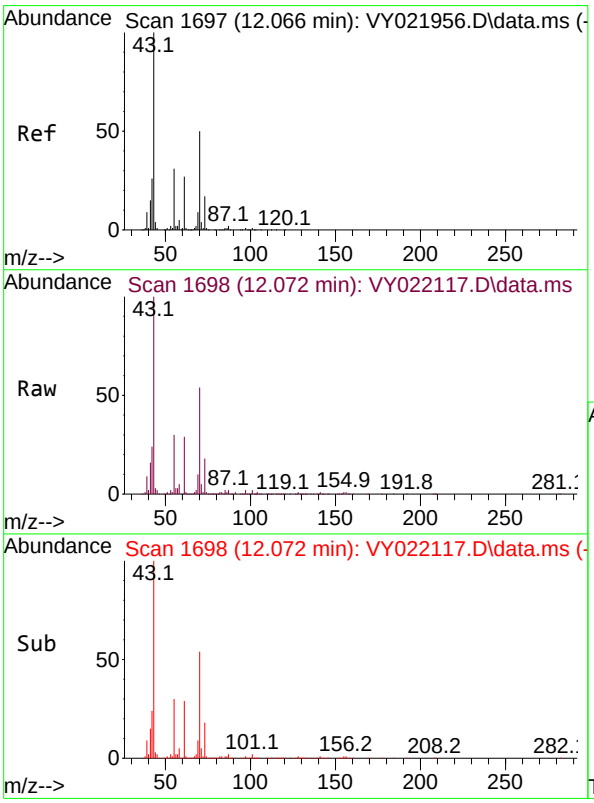
#73
Isopropylbenzene
Concen: 53.304 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 1281382

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.5	40.5

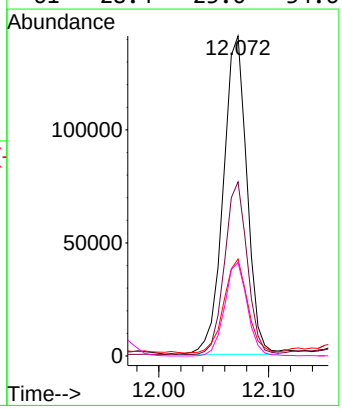


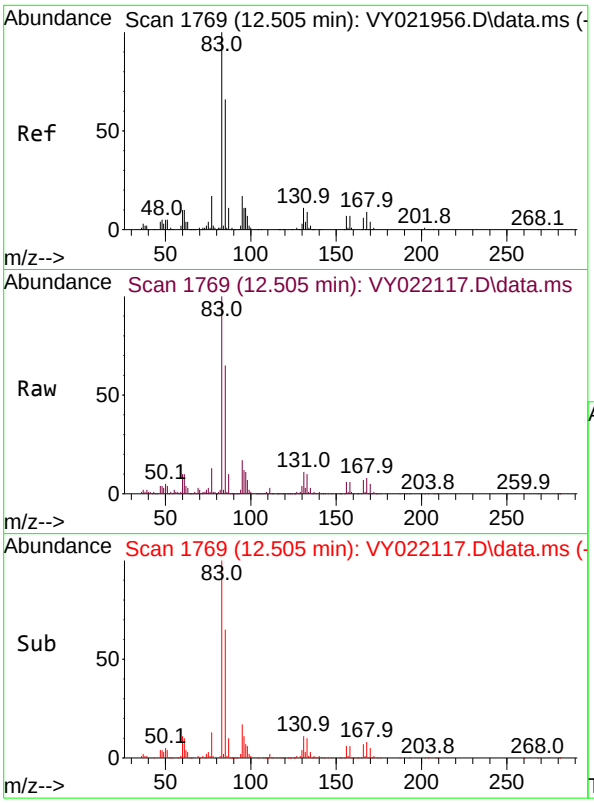


#74
N-amyl acetate
Concen: 51.175 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 43 Resp: 211359

Ion	Ratio	Lower	Upper
43	100		
70	52.1	43.2	64.8
55	29.7	25.7	38.5
61	28.4	23.0	34.6



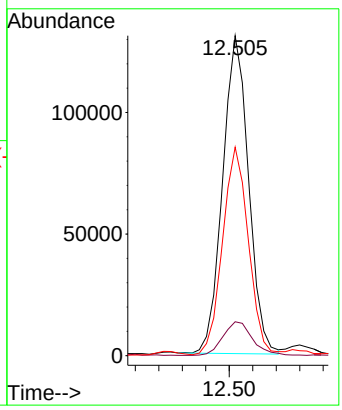


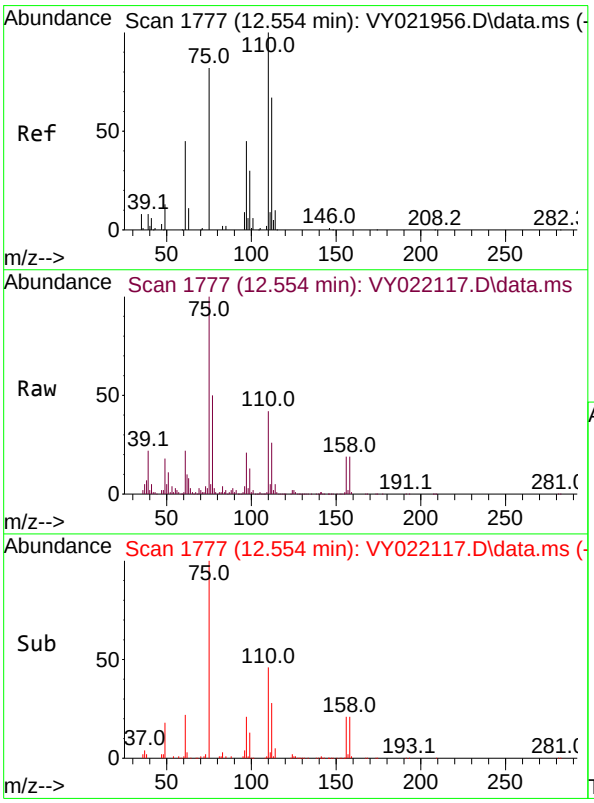
#75
1,1,2,2-Tetrachloroethane
Concen: 49.390 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 200173

Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.5	16.4
85	65.0	32.3	96.8

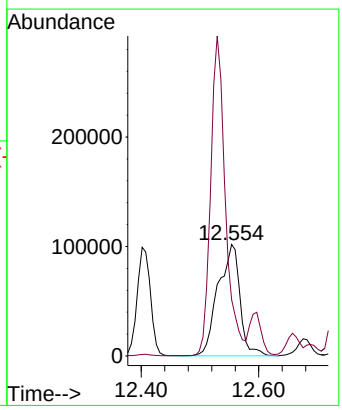


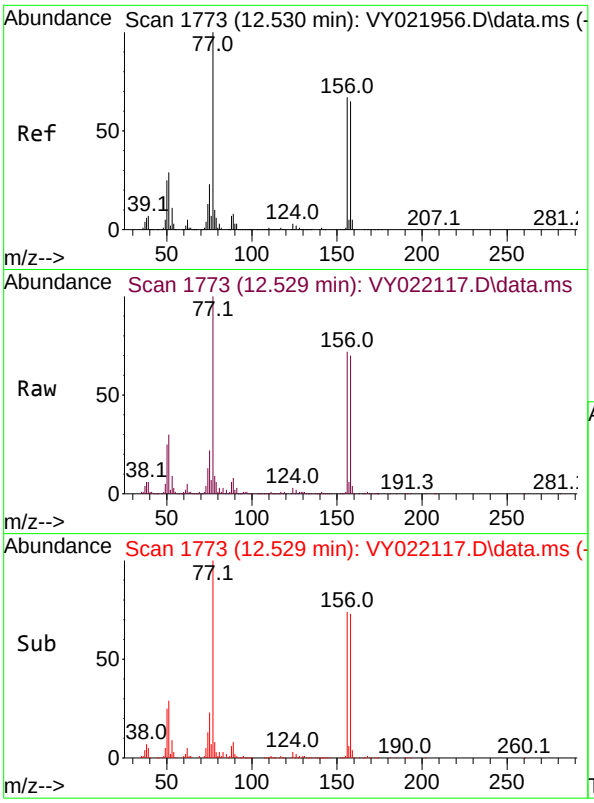


#76
1,2,3-Trichloropropane
Concen: 85.438 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 263316

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



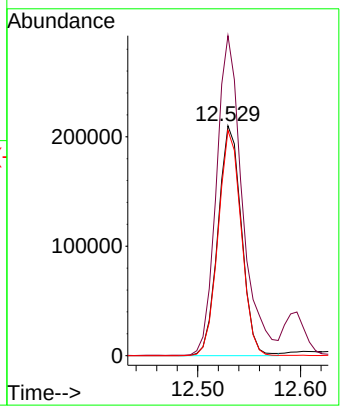


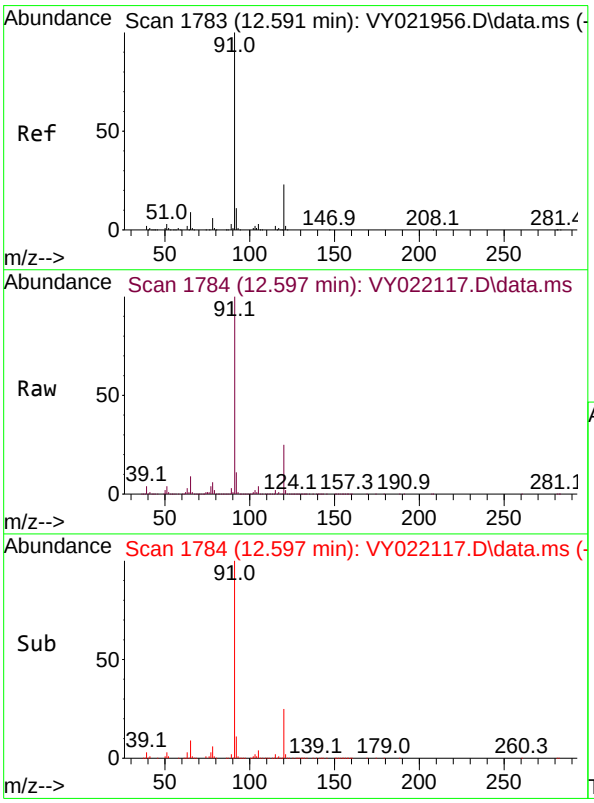
#77
Bromobenzene
Concen: 54.761 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 332638

Ion	Ratio	Lower	Upper
156	100		
77	154.0	82.7	248.1
158	96.5	48.1	144.4

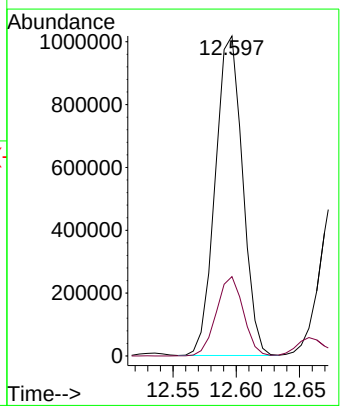


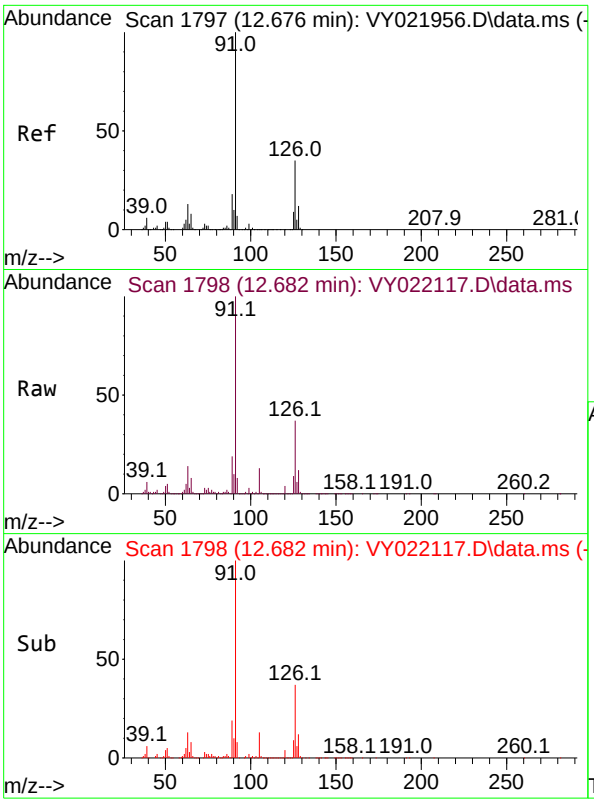


#78
n-propylbenzene
Concen: 53.341 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 91 Resp: 1527021

Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.5



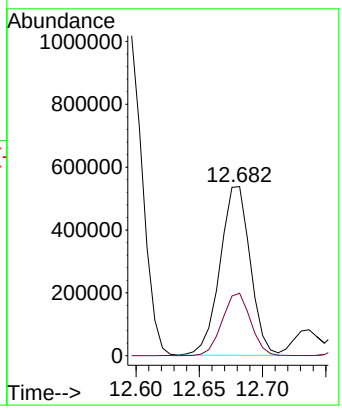


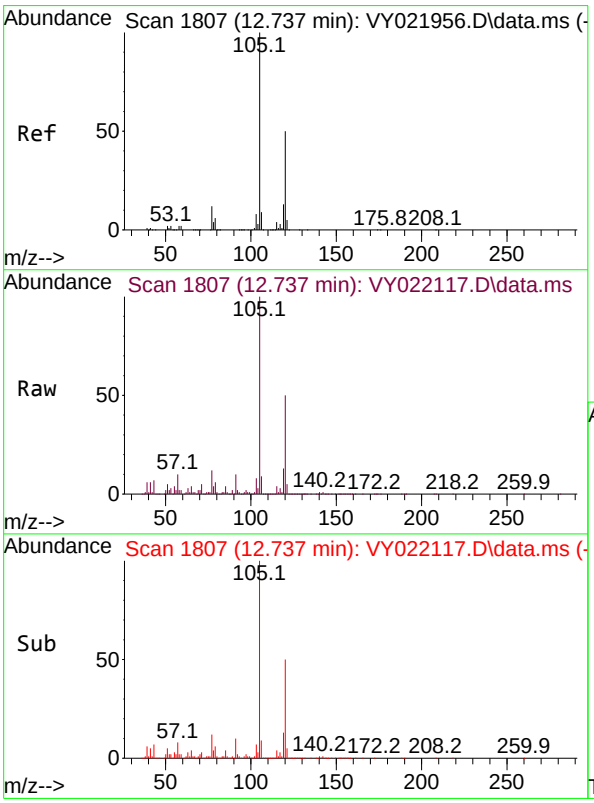
#79
2-Chlorotoluene
Concen: 53.716 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 894301

Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.9	53.8

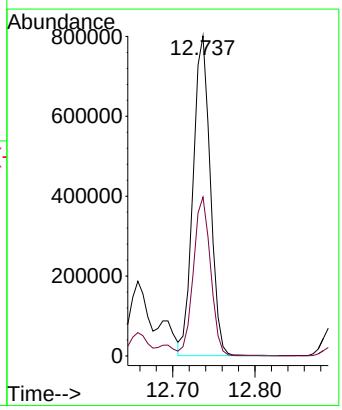


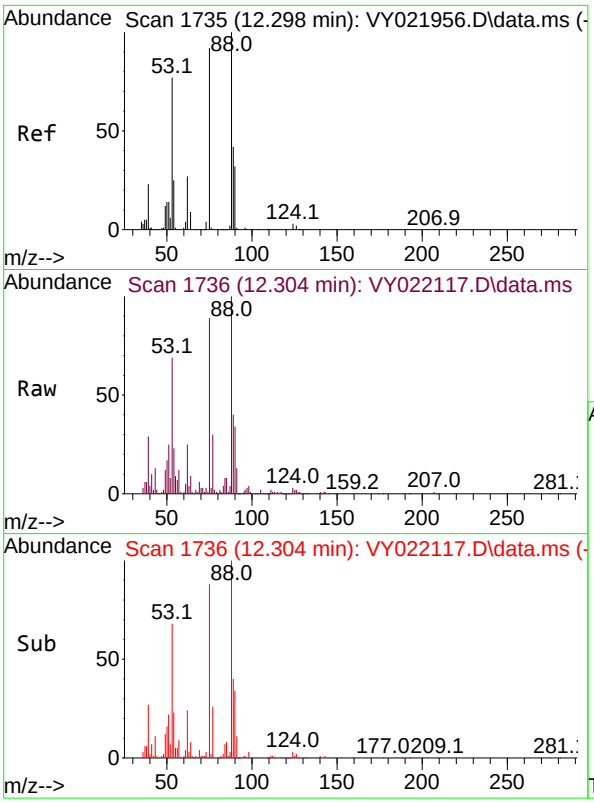


#80
1,3,5-Trimethylbenzene
Concen: 58.524 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:105 Resp: 1159172

Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.0	75.0



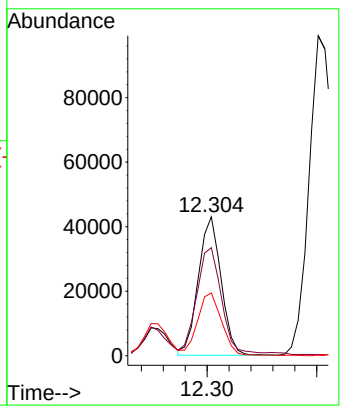


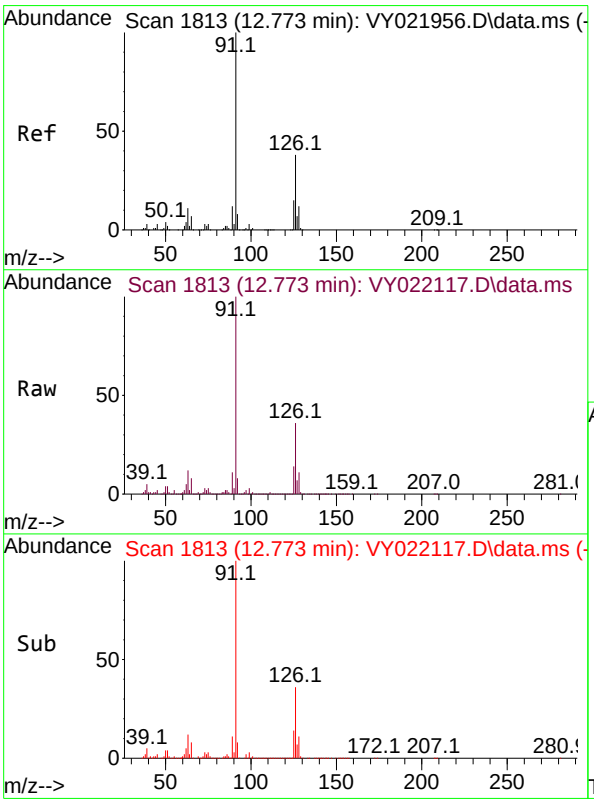
#81
trans-1,4-Dichloro-2-butene
Concen: 48.326 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 61847

Ion	Ratio	Lower	Upper
75	100		
53	80.8	66.0	99.0
89	48.9	37.2	55.8

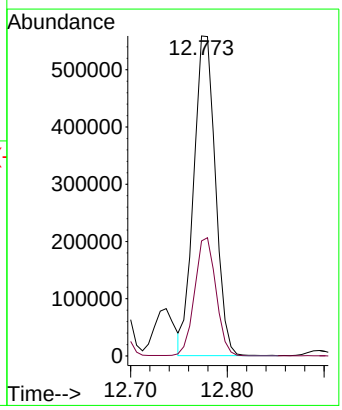


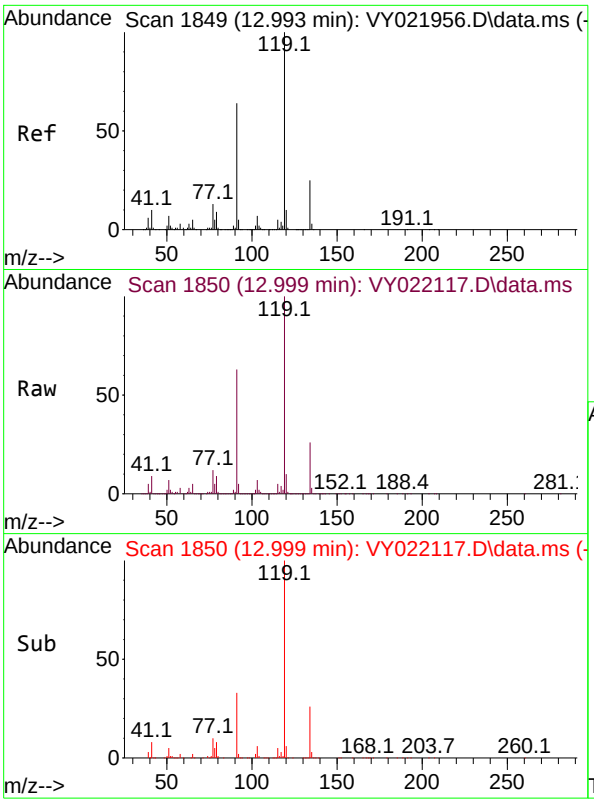


#82
4-Chlorotoluene
Concen: 50.246 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 91 Resp: 869601

Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.9	53.8



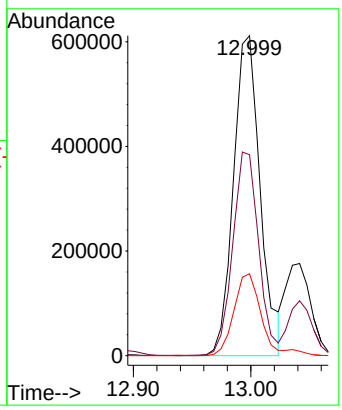


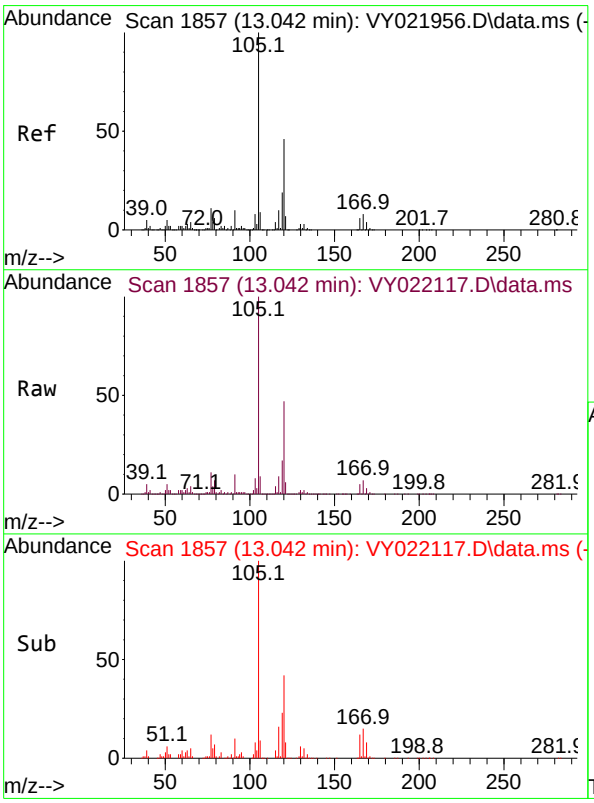
#83
tert-Butylbenzene
Concen: 54.424 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 966767

Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.3	90.9
134	26.5	12.9	38.7

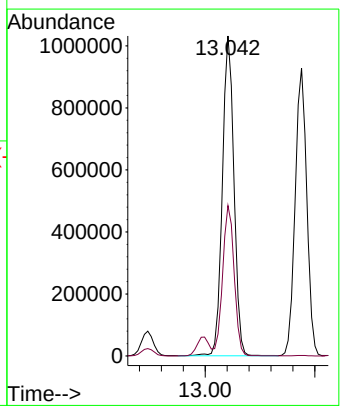


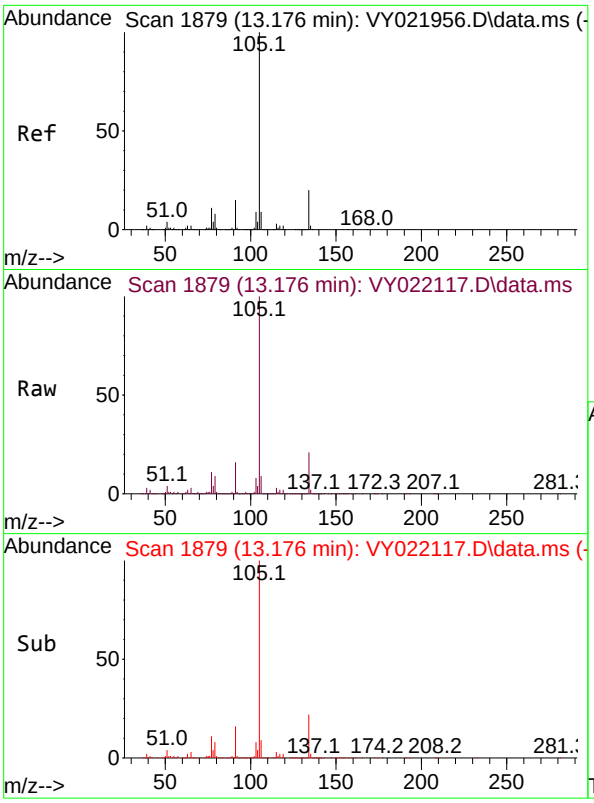


#84
1,2,4-Trimethylbenzene
Concen: 76.710 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:105 Resp: 1519729

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.0



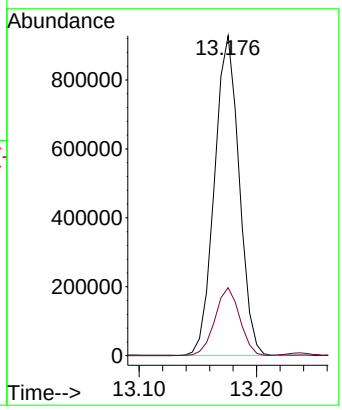


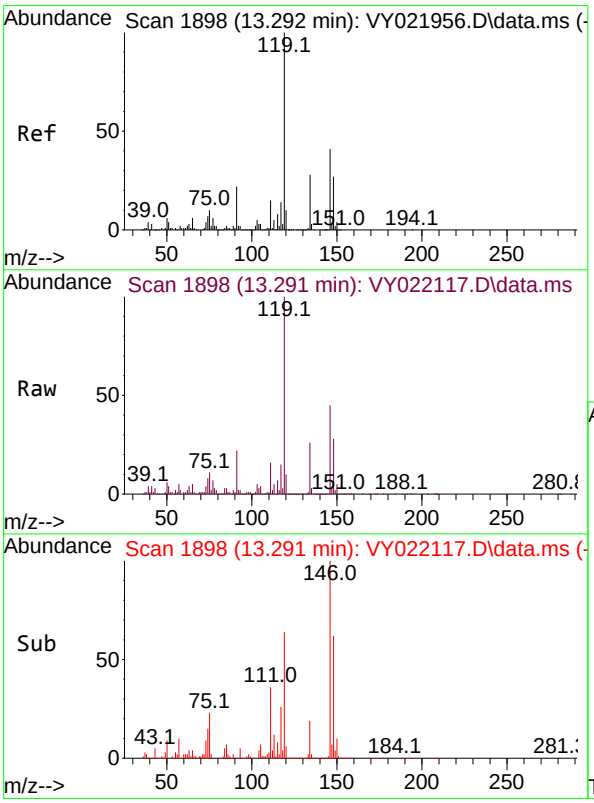
#85
sec-Butylbenzene
Concen: 51.976 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 1351064

Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.3	30.9

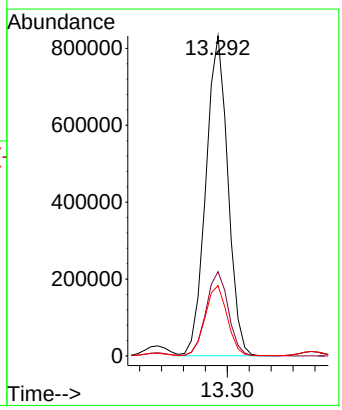


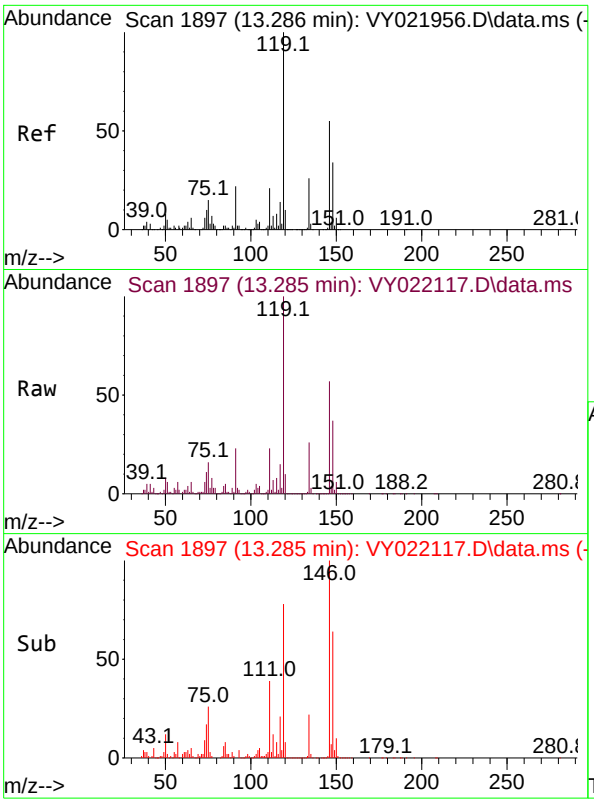


#86
p-Isopropyltoluene
Concen: 52.554 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:119 Resp: 1160013

Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.6	40.7
91	22.0	11.0	33.0



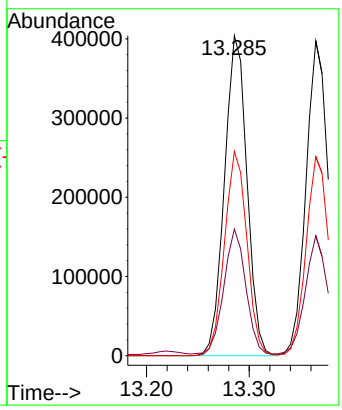


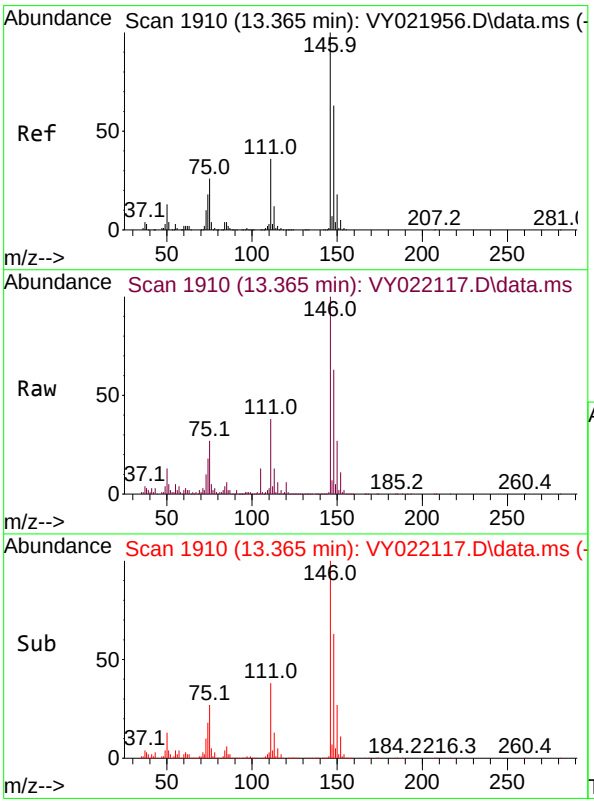
#87
1,3-Dichlorobenzene
Concen: 49.868 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 615228

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.5
148	63.5	32.0	96.2

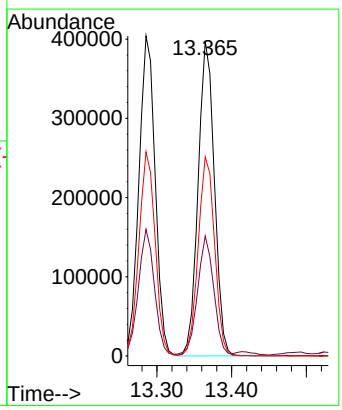


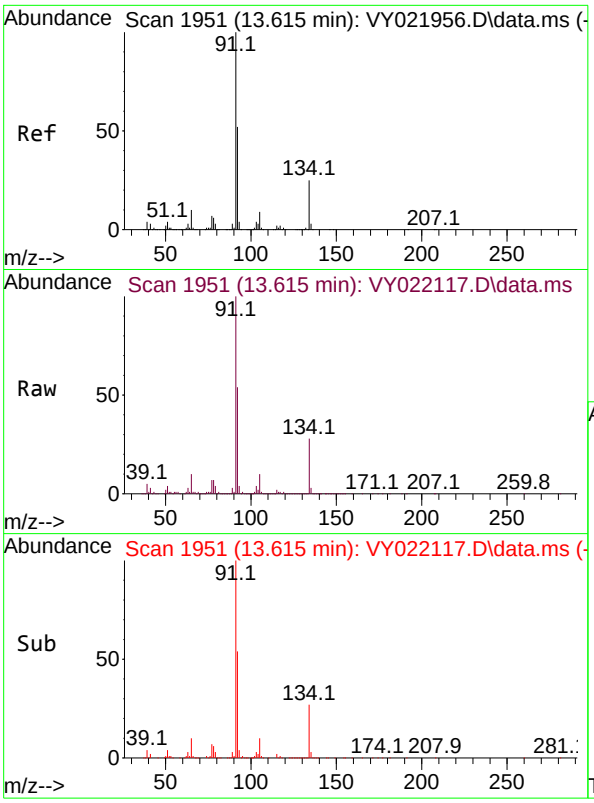


#88
1,4-Dichlorobenzene
Concen: 49.168 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:146 Resp: 600771

Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.2	57.6
148	63.9	32.0	96.0



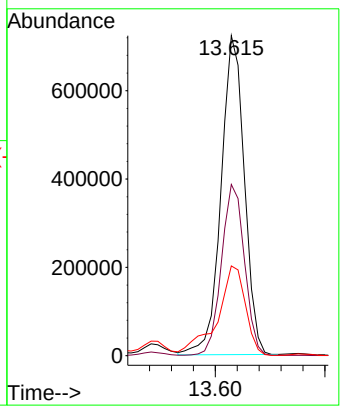


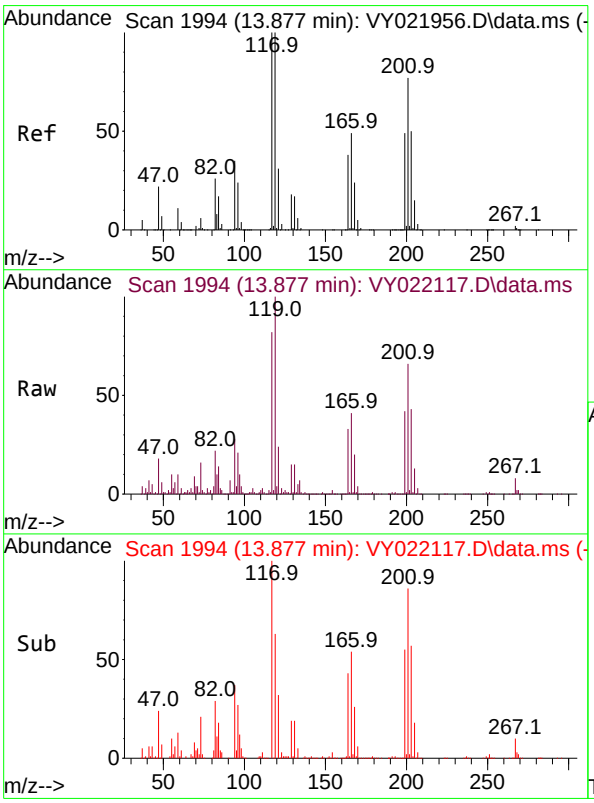
#89
n-Butylbenzene
Concen: 54.024 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1065863

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	33.9	13.4	40.1

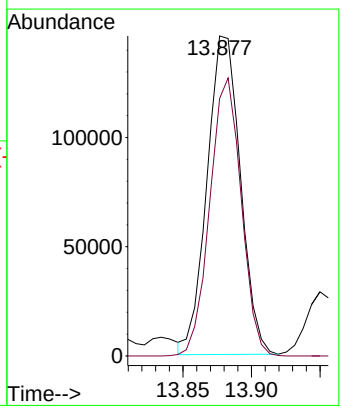


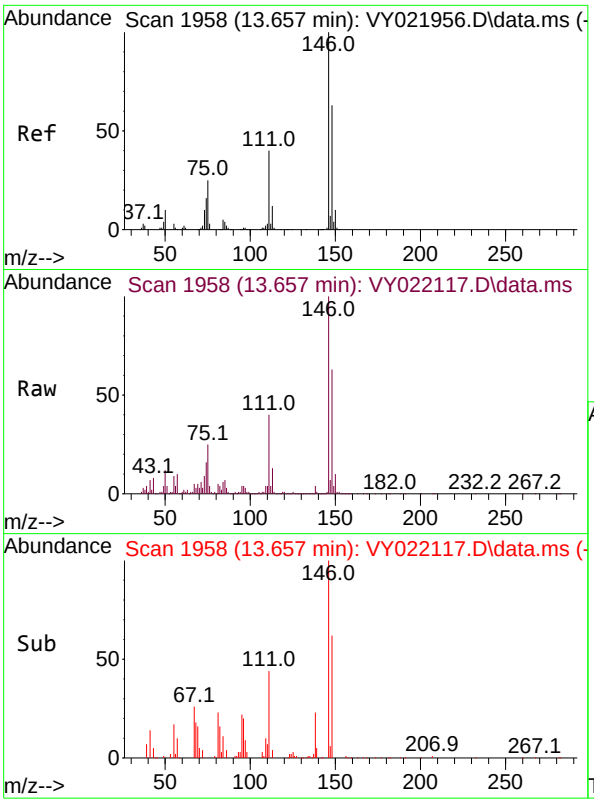


#90
Hexachloroethane
Concen: 50.895 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:117 Resp: 246817

Ion	Ratio	Lower	Upper
117	100		
201	82.1	38.7	116.1



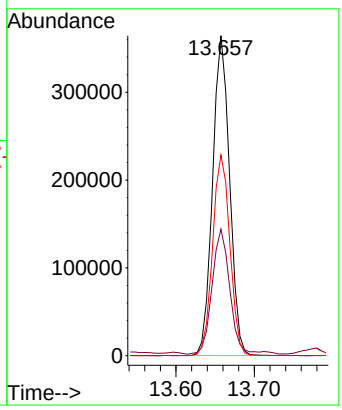


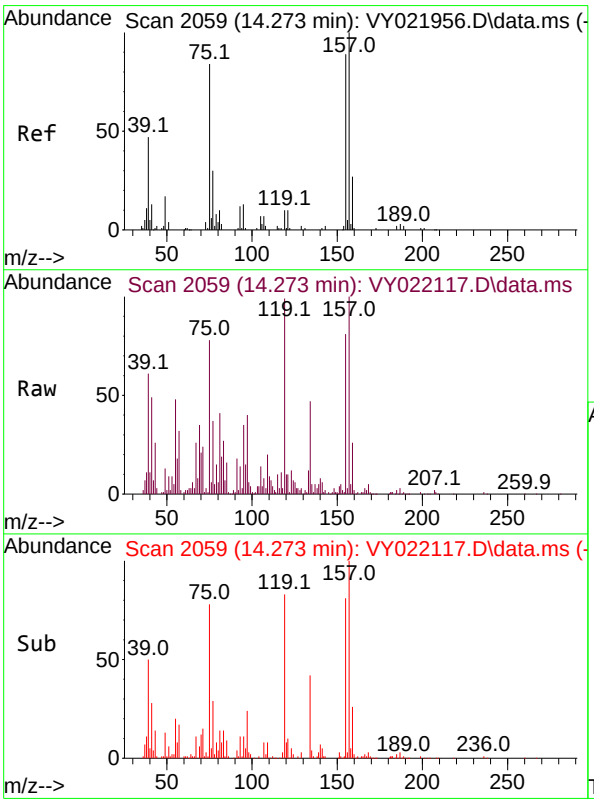
#91
1,2-Dichlorobenzene
Concen: 50.989 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 548661

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	63.9	32.1	96.3

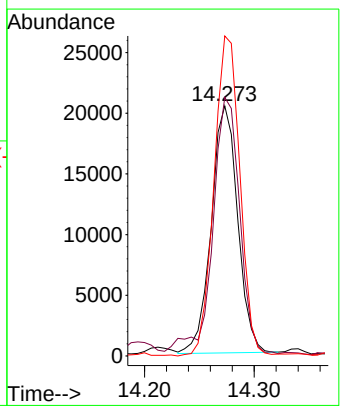


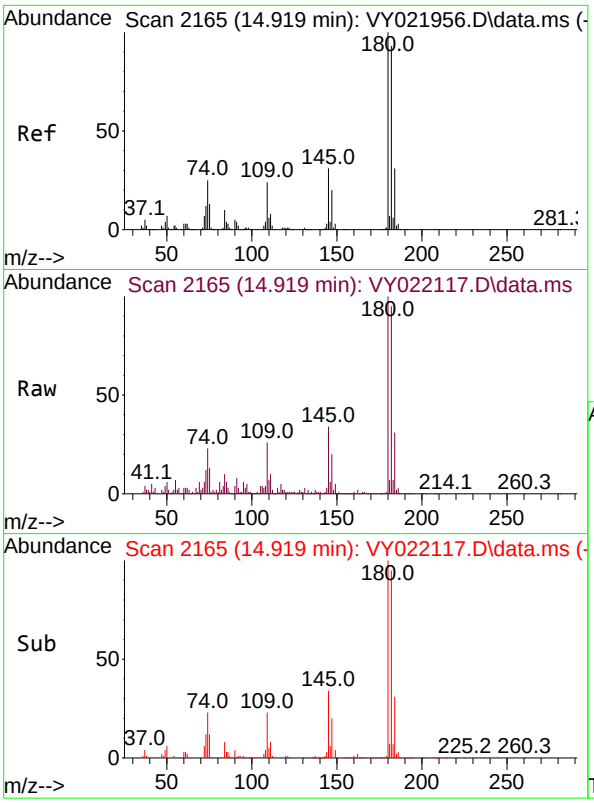


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.862 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion: 75 Resp: 34086

Ion	Ratio	Lower	Upper
75	100		
155	105.9	50.7	152.3
157	127.3	62.6	187.8



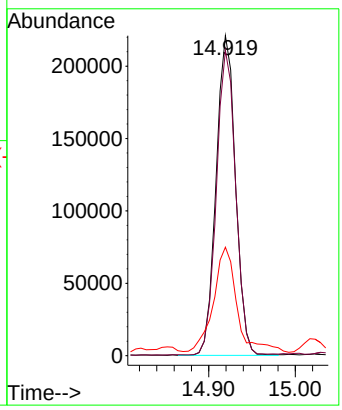


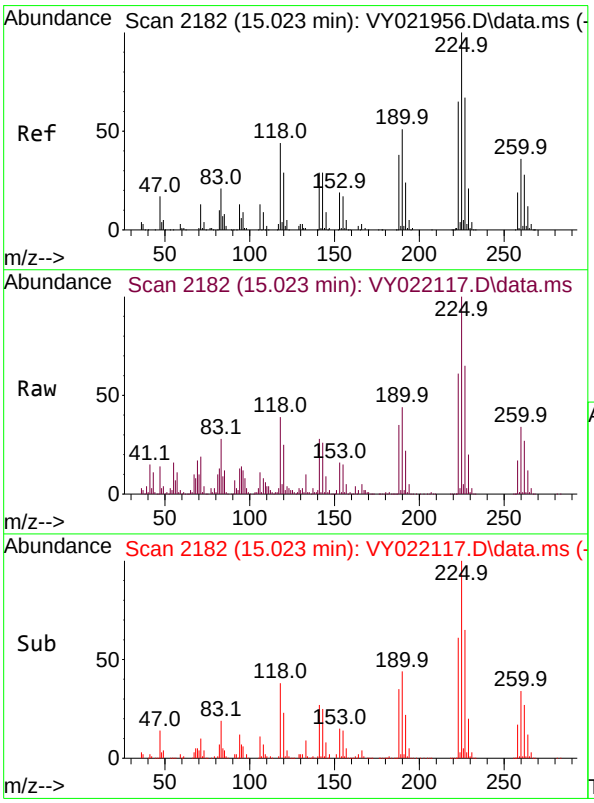
#93
1,2,4-Trichlorobenzene
Concen: 56.392 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 343857

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.1	141.4
145	44.1	15.0	45.0

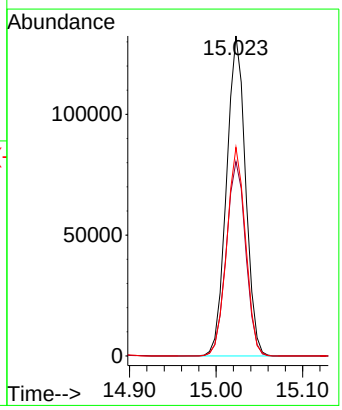


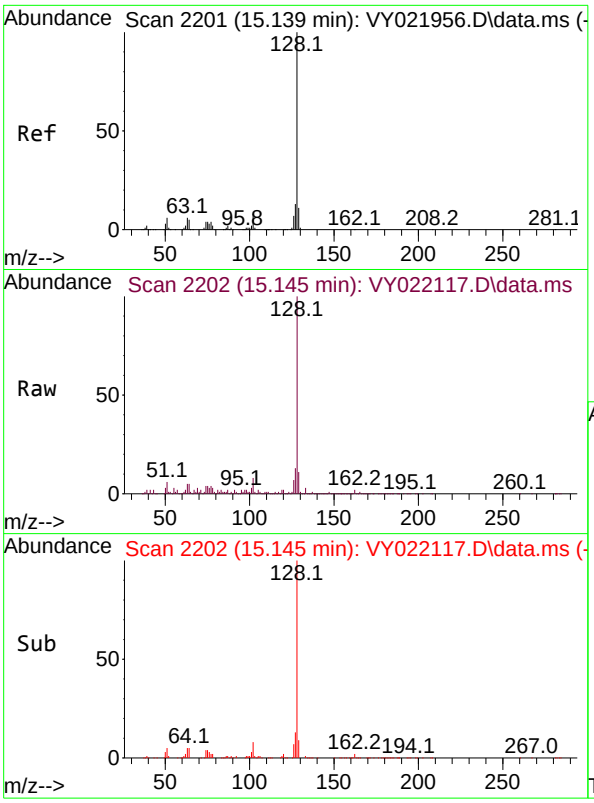


#94
Hexachlorobutadiene
Concen: 53.804 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:225 Resp: 201855

Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.5
227	64.3	32.3	96.9



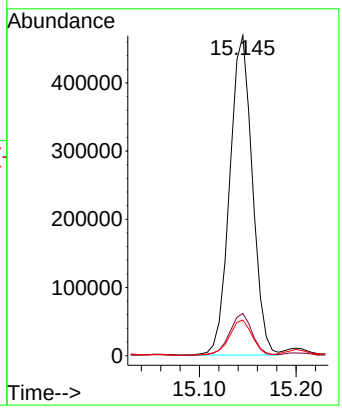


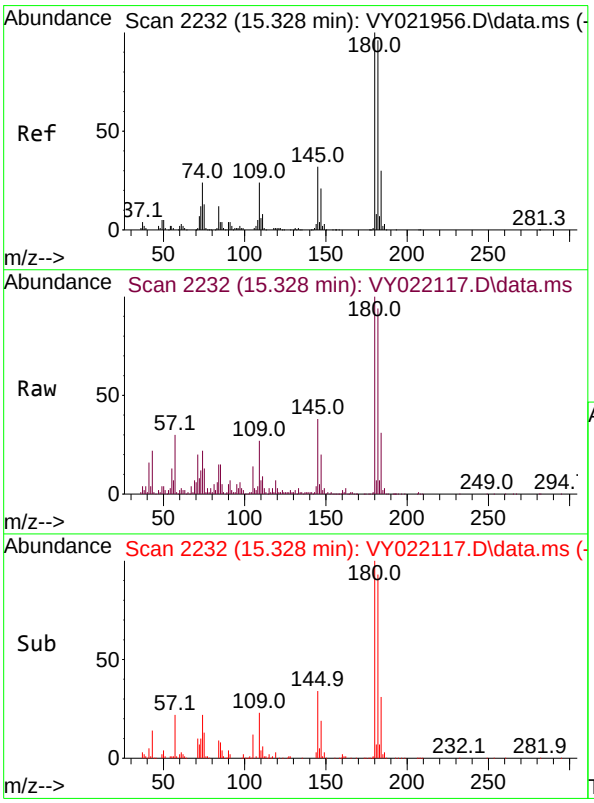
#95
Naphthalene
Concen: 75.318 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 762911

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.2	8.9	13.3

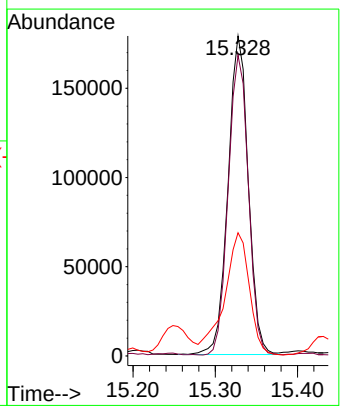




#96
1,2,3-Trichlorobenzene
Concen: 58.297 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022117.D
Acq: 01 May 2025 19:08

Tgt Ion:180 Resp: 306850

Ion	Ratio	Lower	Upper
180	100		
182	93.2	48.1	144.4
145	47.4	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	301546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	415602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	221579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132883	47.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.420%			
35) Dibromofluoromethane	7.634	113	146286	49.177	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.109	98	559680	49.907	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.408	95	192281	50.932	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	112875	43.929	ug/l	99
3) Chloromethane	2.068	50	161688	44.193	ug/l	100
4) Vinyl Chloride	2.202	62	206368	45.901	ug/l	99
5) Bromomethane	2.599	94	160309	41.387	ug/l	100
6) Chloroethane	2.739	64	134635	43.970	ug/l	99
7) Trichlorofluoromethane	3.056	101	272284	45.927	ug/l	98
8) Diethyl Ether	3.458	74	70835	45.905	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	152288	47.352	ug/l	99
10) Methyl Iodide	4.007	142	179944	48.326	ug/l	98
11) Tert butyl alcohol	4.872	59	35368	231.296	ug/l	98
12) 1,1-Dichloroethene	3.787	96	142549	47.553	ug/l	97
13) Acrolein	3.659	56	34294	124.956	ug/l	100
14) Allyl chloride	4.385	41	166047	47.571	ug/l	98
15) Acrylonitrile	5.061	53	132967	235.378	ug/l	99
16) Acetone	3.873	43	93721	257.728	ug/l	97
17) Carbon Disulfide	4.110	76	423479	44.306	ug/l	98
18) Methyl Acetate	4.391	43	70510	54.193	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	334445	49.847	ug/l	100
20) Methylene Chloride	4.616	84	160823	45.663	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	159456	47.497	ug/l	98
22) Diisopropyl ether	6.019	45	386882	49.807	ug/l	96
23) Vinyl Acetate	5.964	43	1024665	244.768	ug/l	100
24) 1,1-Dichloroethane	5.915	63	257691	47.860	ug/l	98
25) 2-Butanone	6.897	43	151417	238.488	ug/l	98
26) 2,2-Dichloropropane	6.890	77	237802	50.391	ug/l	98
27) cis-1,2-Dichloroethene	6.897	96	183808	48.965	ug/l	99
28) Bromochloromethane	7.250	49	99882	47.760	ug/l	100
29) Tetrahydrofuran	7.268	42	101569	246.313	ug/l	98
30) Chloroform	7.421	83	291473	48.804	ug/l	98
31) Cyclohexane	7.701	56	216232	46.963	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	262037	48.496	ug/l	100
36) 1,1-Dichloropropene	7.835	75	201117	50.333	ug/l	100
37) Ethyl Acetate	6.988	43	69892	48.702	ug/l	96
38) Carbon Tetrachloride	7.817	117	243069	50.908	ug/l	97
39) Methylcyclohexane	9.110	83	257390	51.187	ug/l	99
40) Benzene	8.085	78	625230	50.056	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	32832	41.851	ug/l	#	77
42) 1,2-Dichloroethane	8.158	62	159242	51.493	ug/l		99
43) Isopropyl Acetate	8.201	43	137299	49.819	ug/l		99
44) Trichloroethene	8.866	130	173060	50.021	ug/l		96
45) 1,2-Dichloropropane	9.146	63	141445	51.207	ug/l		98
46) Dibromomethane	9.238	93	86996	50.312	ug/l		99
47) Bromodichloromethane	9.427	83	221679	51.319	ug/l		97
48) Methyl methacrylate	9.225	41	67168	52.721	ug/l		98
49) 1,4-Dioxane	9.231	88	18381	997.352	ug/l		98
51) 4-Methyl-2-Pentanone	10.000	43	382449	264.723	ug/l		99
52) Toluene	10.170	92	420077	51.956	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	192400	51.928	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	227562	51.667	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	119511	51.742	ug/l		99
56) Ethyl methacrylate	10.439	69	138889	52.583	ug/l		98
57) 1,3-Dichloropropane	10.719	76	189498	51.177	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	346642	268.418	ug/l		99
59) 2-Hexanone	10.762	43	255230	267.843	ug/l		98
60) Dibromochloromethane	10.914	129	163529	51.138	ug/l		99
61) 1,2-Dibromoethane	11.018	107	112896	51.775	ug/l		98
64) Tetrachloroethene	10.646	164	204932	52.270	ug/l		98
65) Chlorobenzene	11.444	112	470366	50.610	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	165462	50.569	ug/l		100
67) Ethyl Benzene	11.518	91	788631	51.872	ug/l		100
68) m/p-Xylenes	11.627	106	629353	104.029	ug/l		99
69) o-Xylene	11.957	106	292170	52.398	ug/l		99
70) Styrene	11.969	104	499203	53.321	ug/l		99
71) Bromoform	12.133	173	94954	49.915	ug/l	#	99
73) Isopropylbenzene	12.255	105	773553	52.254	ug/l		100
74) N-amyl acetate	12.072	43	125362	49.288	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	121976	48.871	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	166108	87.520	ug/l	#	100
77) Bromobenzene	12.536	156	190990	51.057	ug/l		99
78) n-propylbenzene	12.597	91	928299	52.656	ug/l		100
79) 2-Chlorotoluene	12.682	91	527905	51.489	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	643214	52.733	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	39816	50.520	ug/l		99
82) 4-Chlorotoluene	12.780	91	553248	51.909	ug/l		100
83) tert-Butylbenzene	12.999	119	571296	52.224	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	643015	52.705	ug/l		99
85) sec-Butylbenzene	13.176	105	843051	52.666	ug/l		100
86) p-Isopropyltoluene	13.292	119	713078	52.460	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	375900	49.477	ug/l		100
88) 1,4-Dichlorobenzene	13.371	146	372381	49.489	ug/l		99
89) n-Butylbenzene	13.621	91	634275	52.205	ug/l		99
90) Hexachloroethane	13.883	117	149353	50.010	ug/l		98
91) 1,2-Dichlorobenzene	13.658	146	333414	50.315	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19712	49.642	ug/l		89
93) 1,2,4-Trichlorobenzene	14.919	180	188657	50.241	ug/l		100
94) Hexachlorobutadiene	15.023	225	115309	49.910	ug/l		98
95) Naphthalene	15.145	128	320223	51.336	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	164013	50.599	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

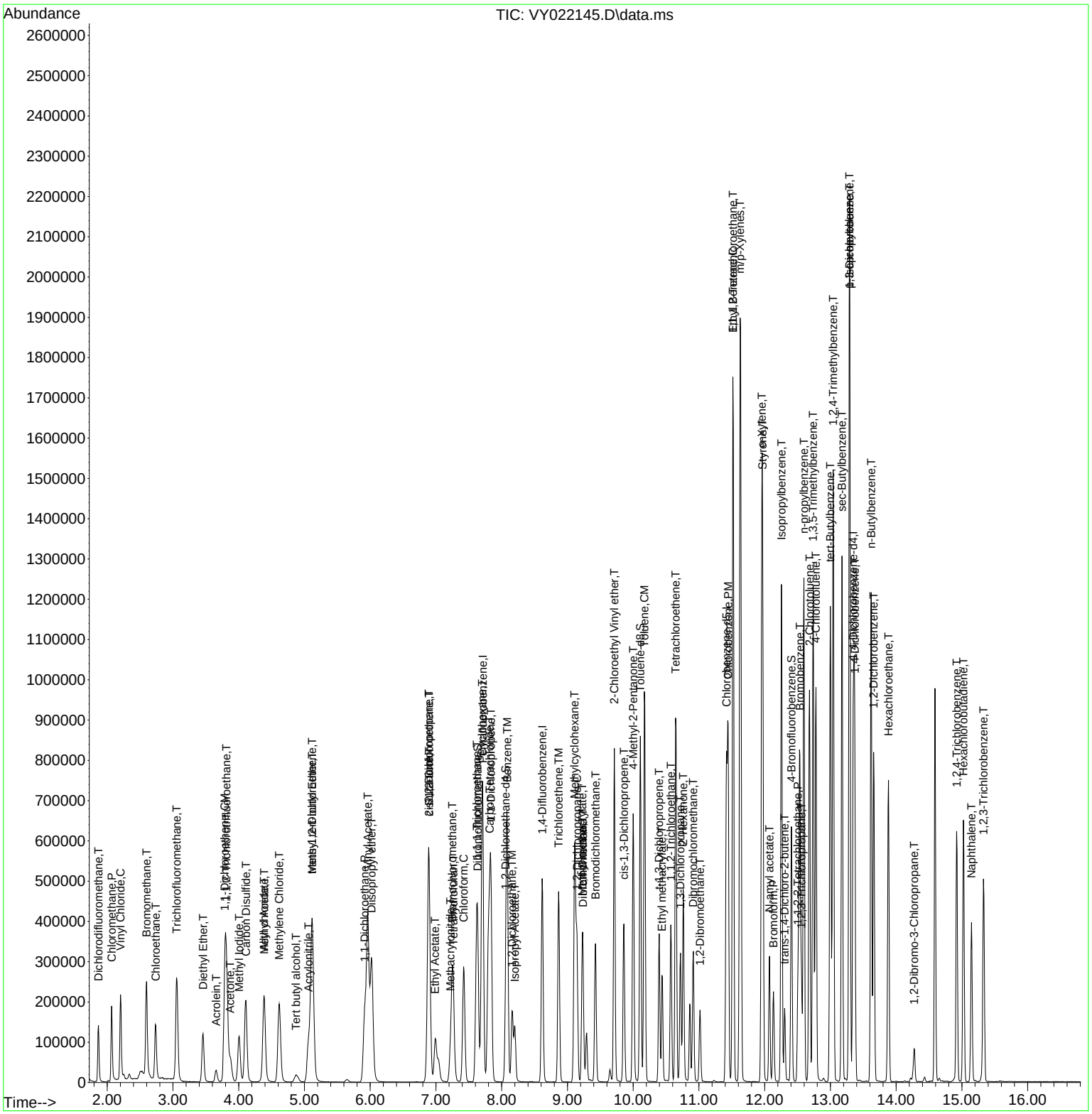
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

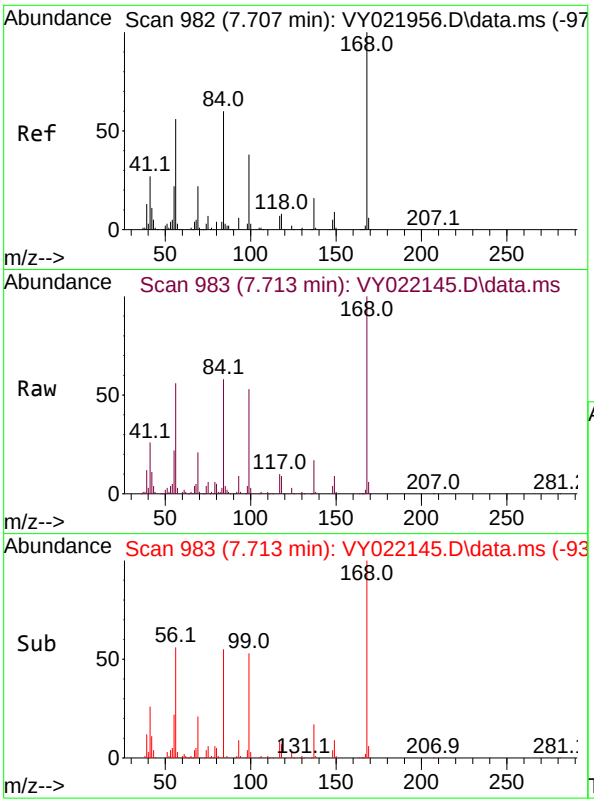
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022145.D
Acq On : 05 May 2025 08:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: May 06 05:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



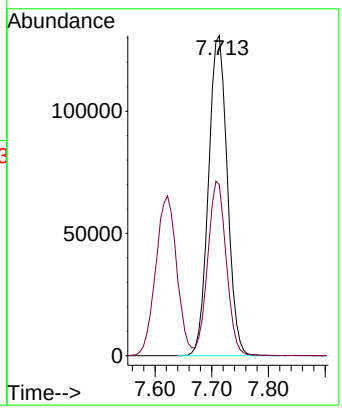


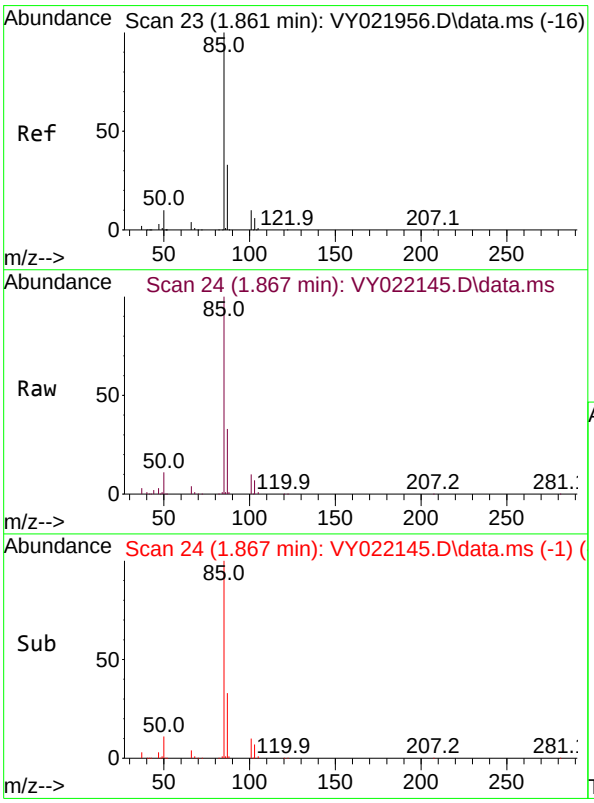
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 301546

Ion	Ratio	Lower	Upper
168	100		
99	53.3	43.1	64.7

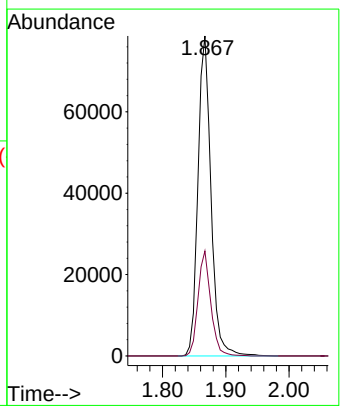


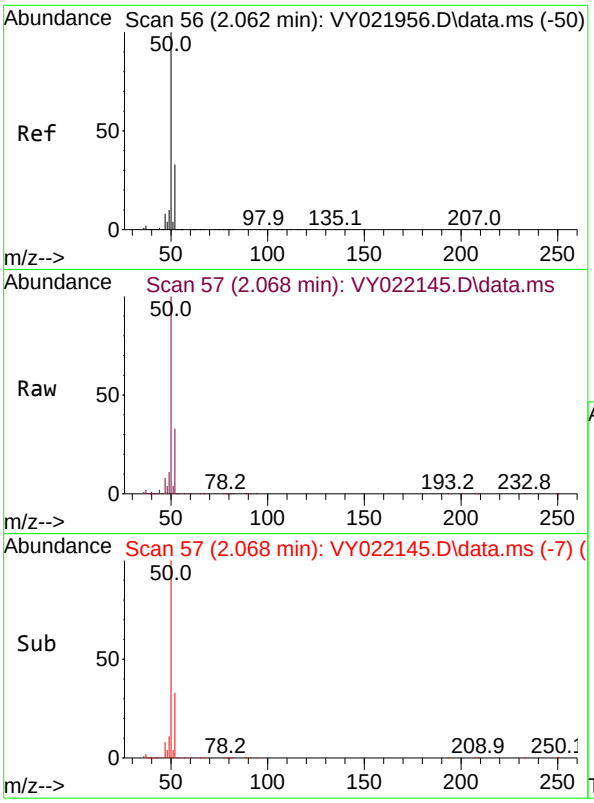


#2
Dichlorodifluoromethane
Concen: 43.929 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 85 Resp: 112875

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.7



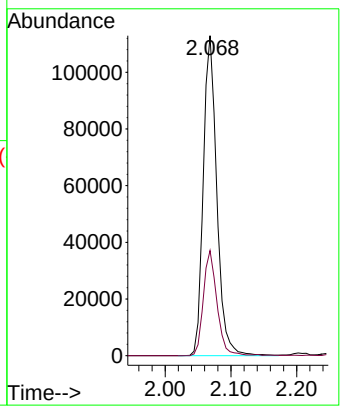


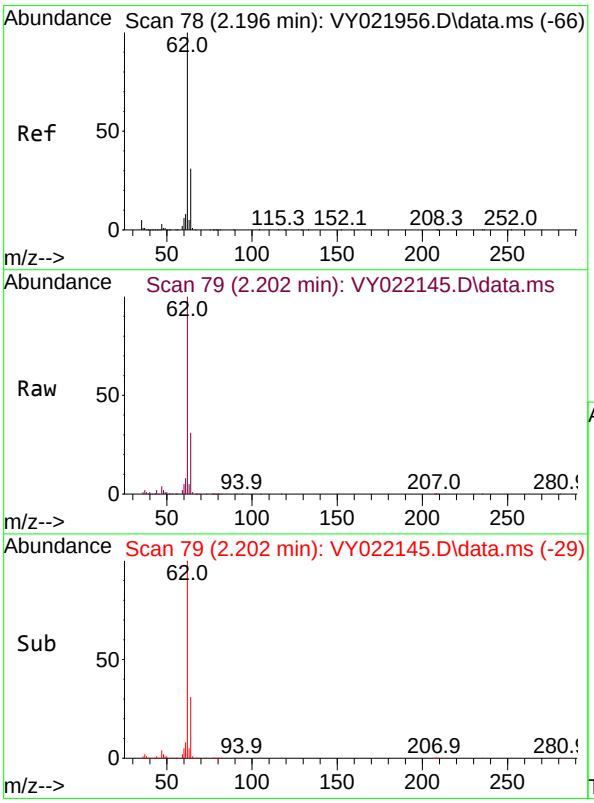
#3
Chloromethane
Concen: 44.193 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 161688

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1

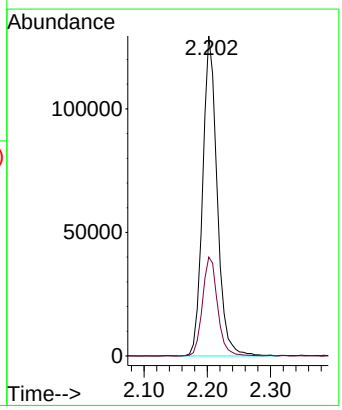


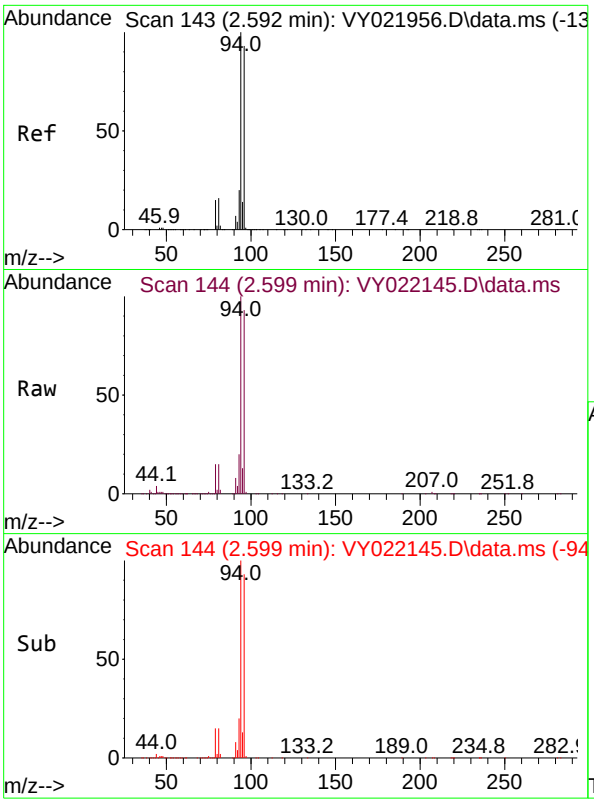


#4
Vinyl Chloride
Concen: 45.901 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 62 Resp: 206368

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.1	37.7



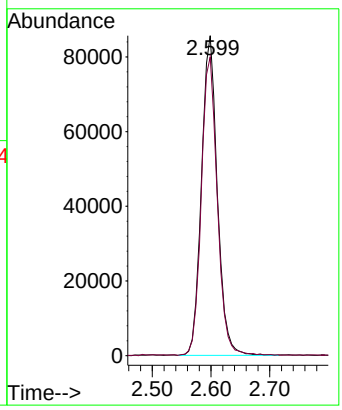


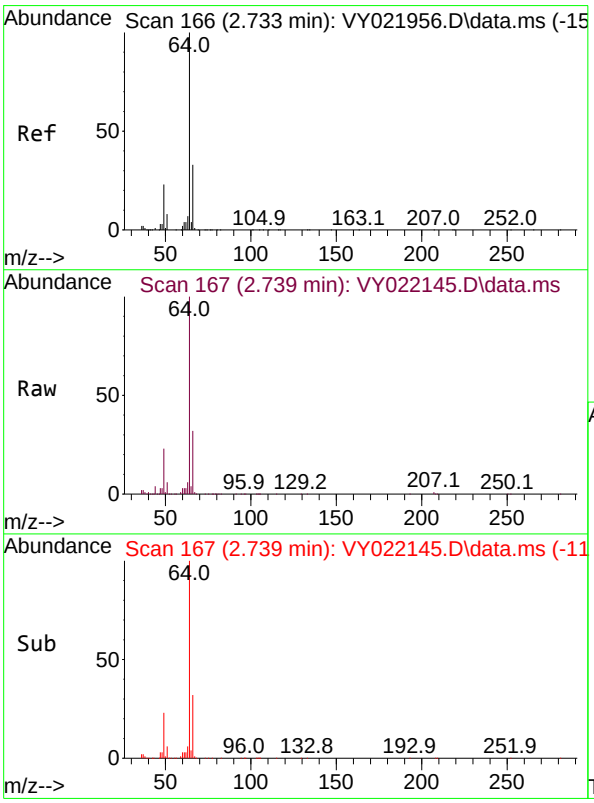
#5
Bromomethane
Concen: 41.387 ug/l
RT: 2.599 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 160309

Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	111.8

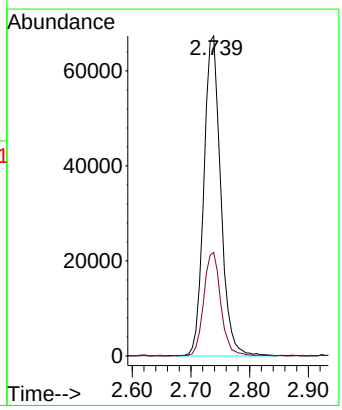


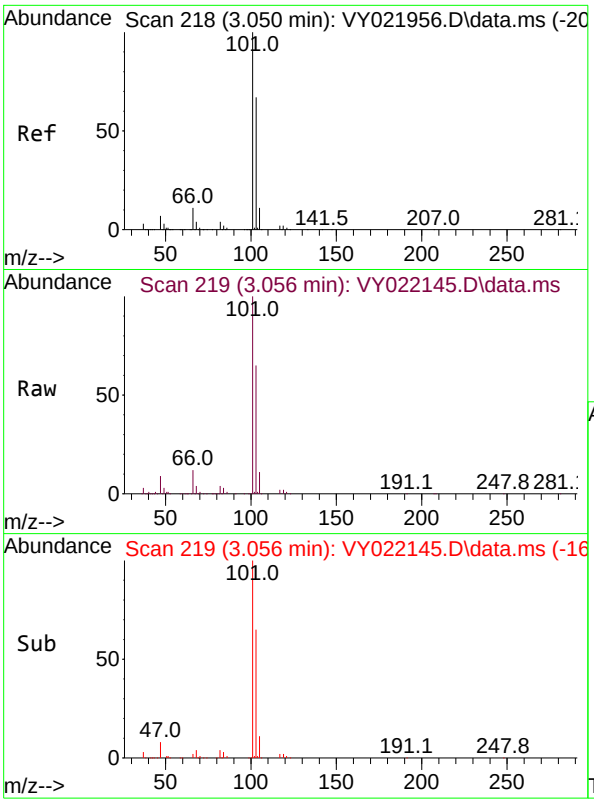


#6
Chloroethane
Concen: 43.970 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 64 Resp: 134635

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.2	39.4



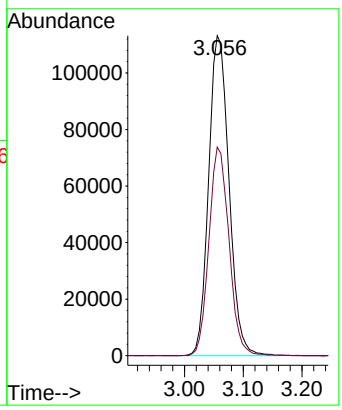


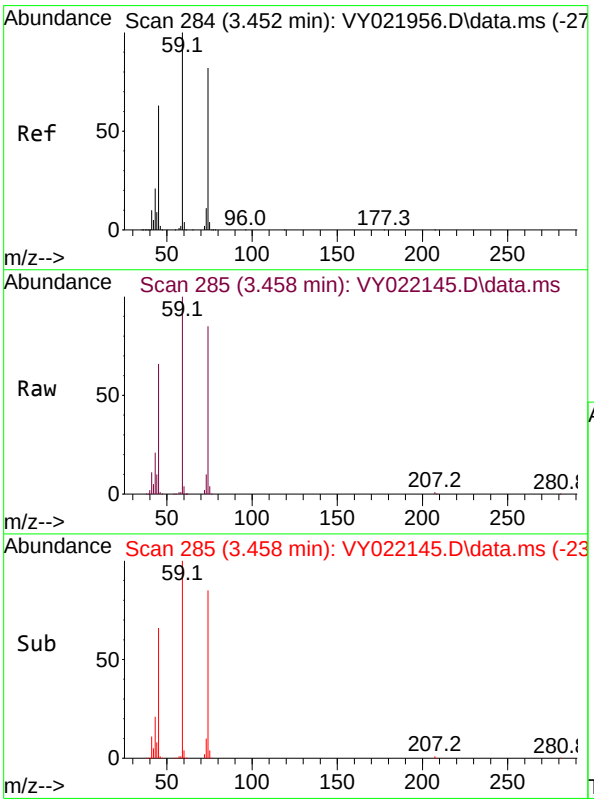
#7
Trichlorofluoromethane
Concen: 45.927 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 272284

Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.6	80.4

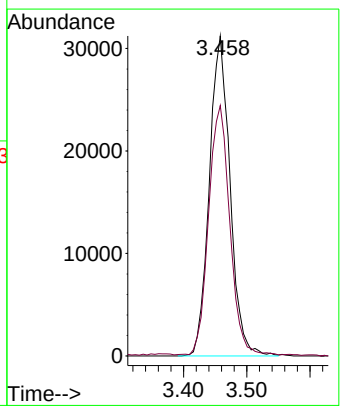


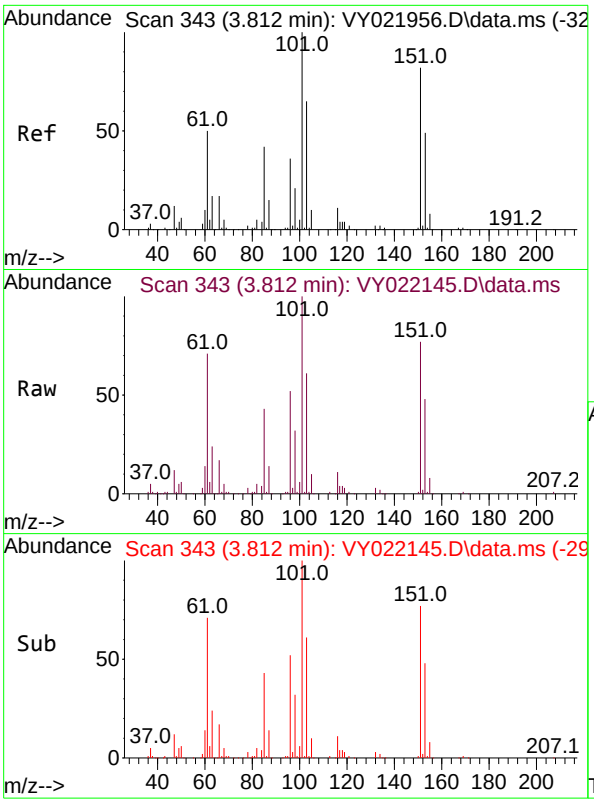


#8
Diethyl Ether
Concen: 45.905 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 74 Resp: 70835

Ion	Ratio	Lower	Upper
74	100		
45	79.3	39.1	117.5



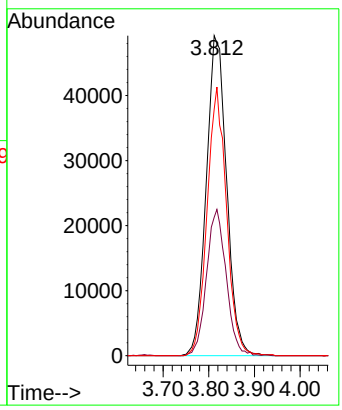


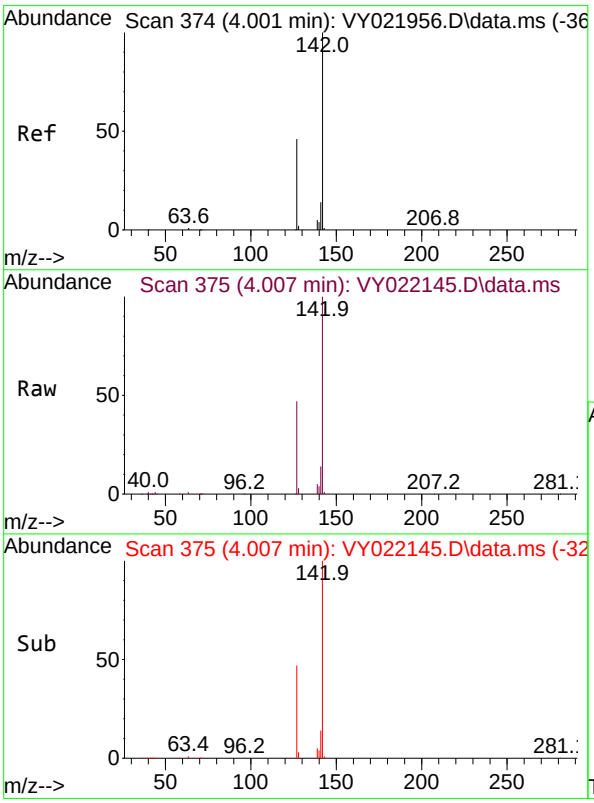
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.352 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 152288

Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.6	51.8
151	79.8	63.7	95.5

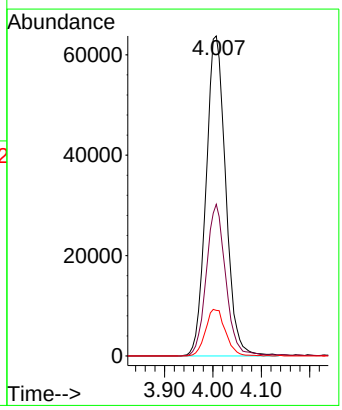


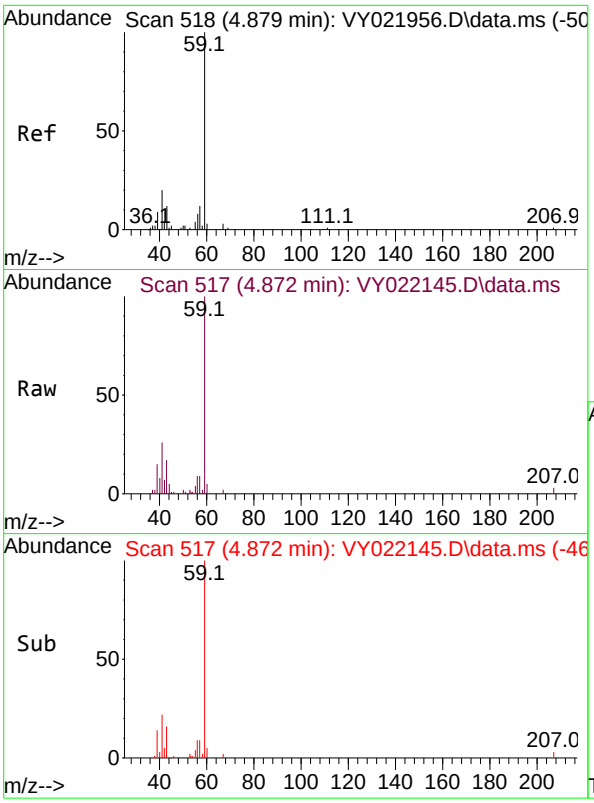


#10
Methyl Iodide
Concen: 48.326 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:142 Resp: 179944

Ion	Ratio	Lower	Upper
142	100		
127	46.7	36.2	54.2
141	14.8	11.7	17.5



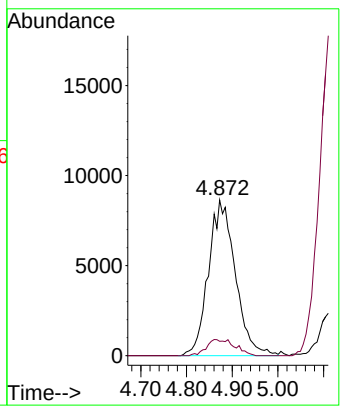


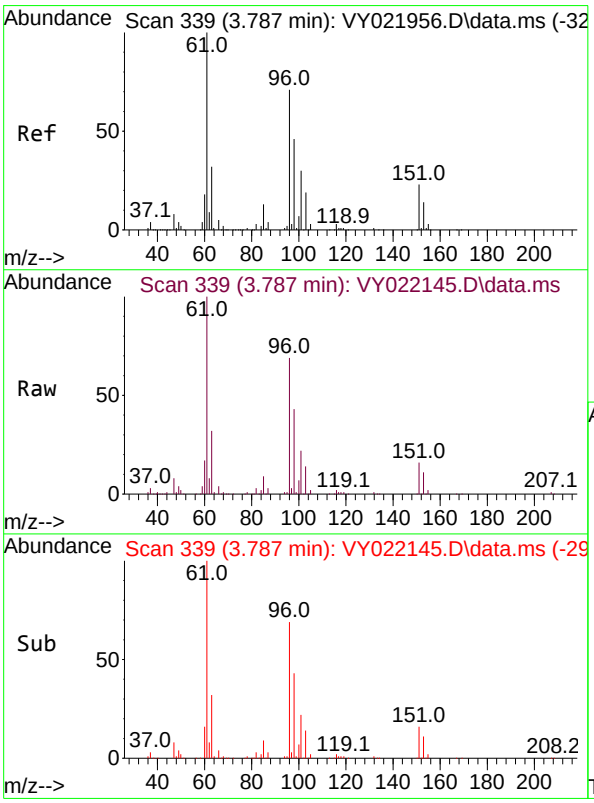
#11
Tert butyl alcohol
Concen: 231.296 ug/l
RT: 4.872 min Scan# 5
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 35368

Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.3	13.9

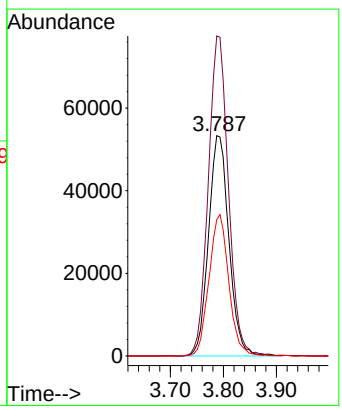


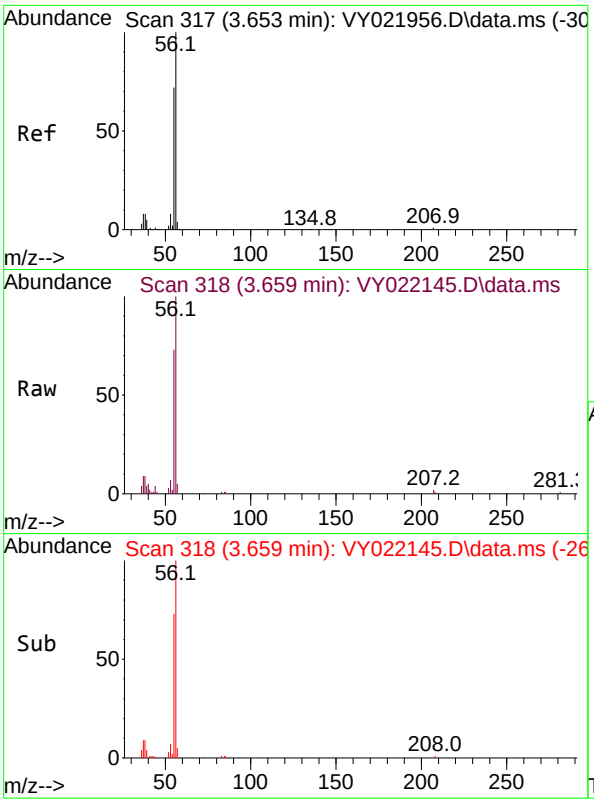


#12
1,1-Dichloroethene
Concen: 47.553 ug/l
RT: 3.787 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 96 Resp: 142549

Ion	Ratio	Lower	Upper
96	100		
61	145.3	113.0	169.4
98	61.9	51.4	77.2



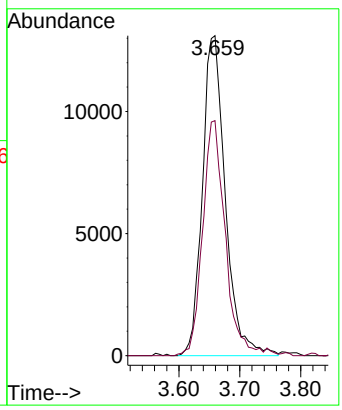


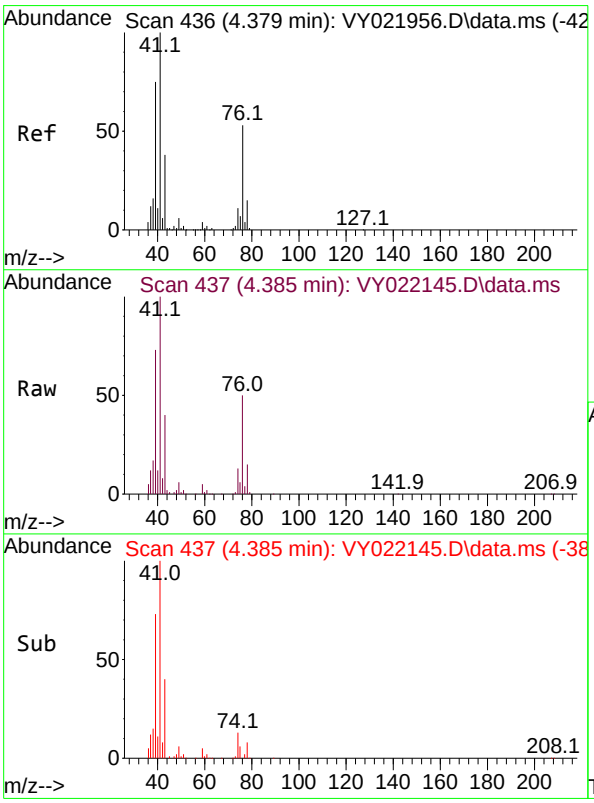
#13
Acrolein
Concen: 124.956 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 34294

Ion	Ratio	Lower	Upper
56	100		
55	72.0	57.4	86.0

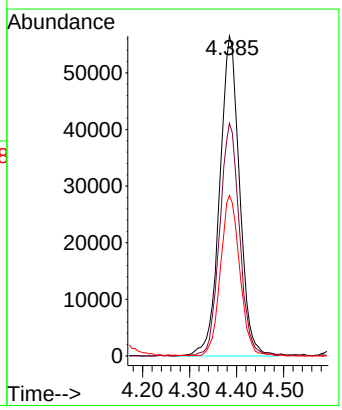


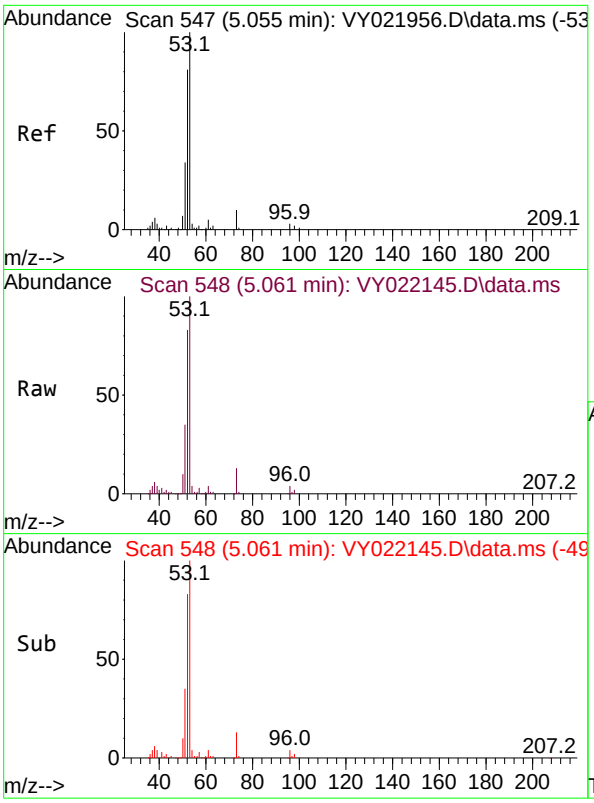


#14
Allyl chloride
Concen: 47.571 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 41 Resp: 166047

Ion	Ratio	Lower	Upper
41	100		
39	72.9	57.2	85.8
76	48.4	39.7	59.5



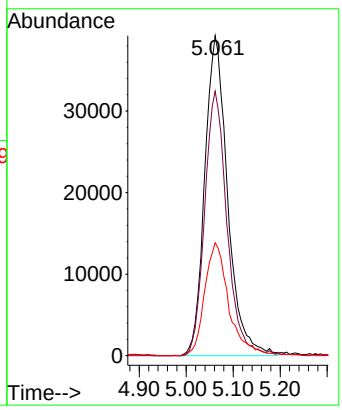


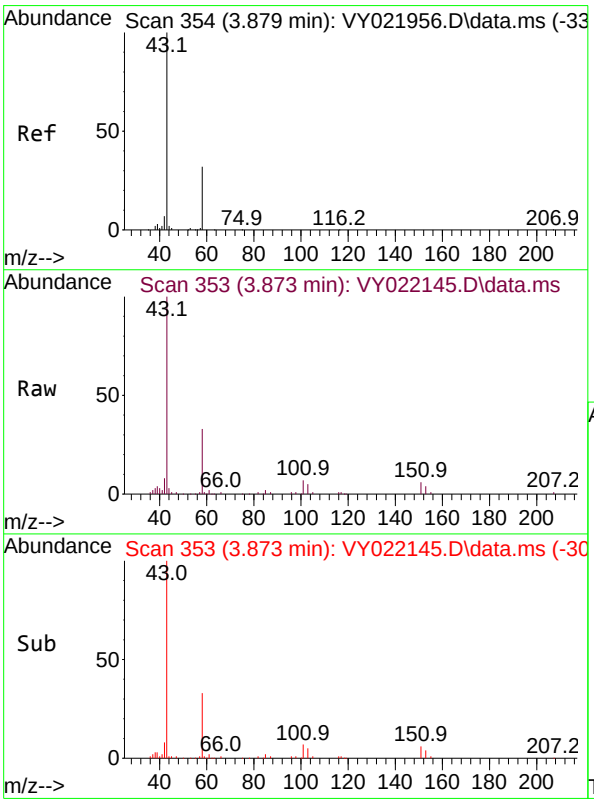
#15
Acrylonitrile
Concen: 235.378 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 132967

Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.0	97.6
51	37.2	28.9	43.3

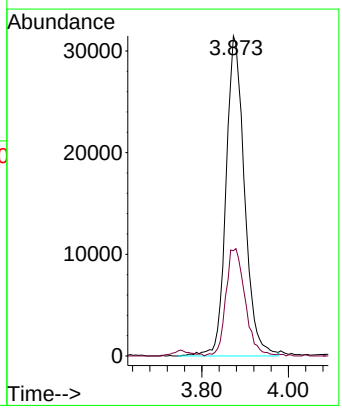


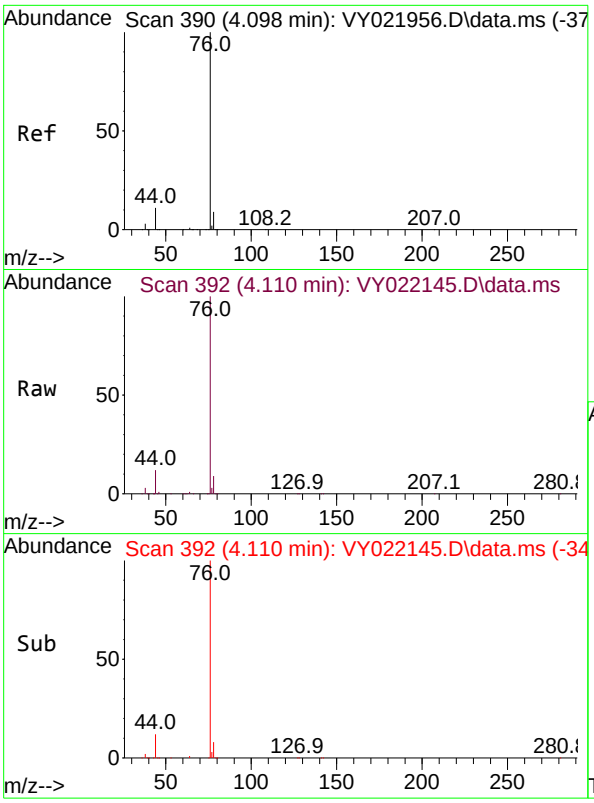


#16
Acetone
Concen: 257.728 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 93721

Ion	Ratio	Lower	Upper
43	100		
58	32.3	27.0	40.4



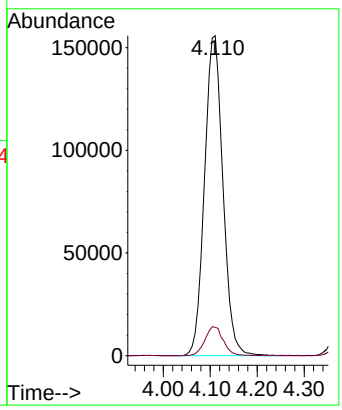


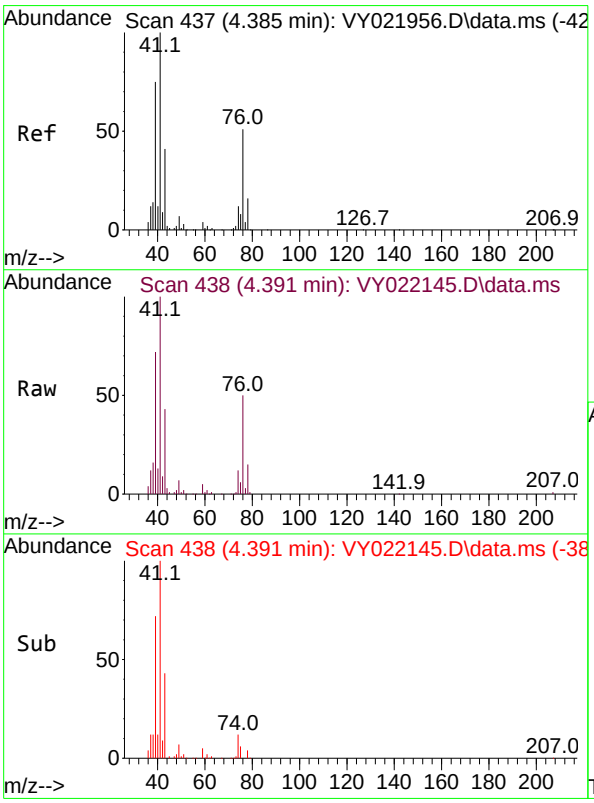
#17
Carbon Disulfide
Concen: 44.306 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 423479

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

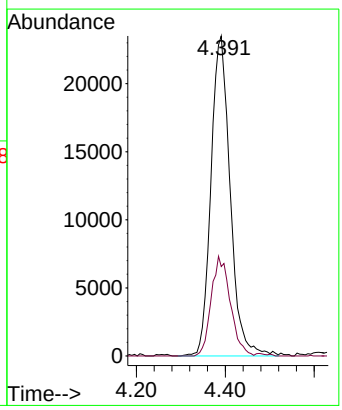


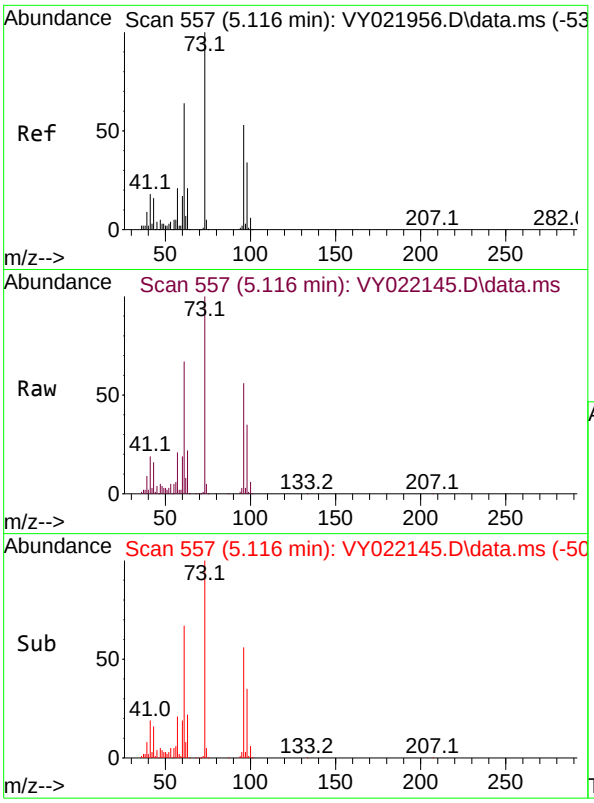


#18
Methyl Acetate
Concen: 54.193 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 70510

Ion	Ratio	Lower	Upper
43	100		
74	30.9	24.2	36.4



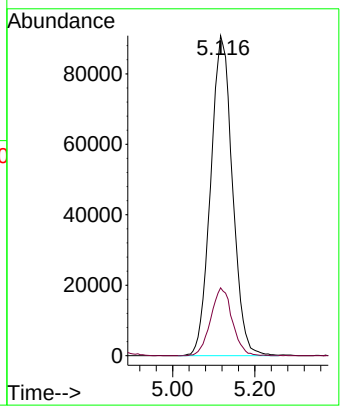


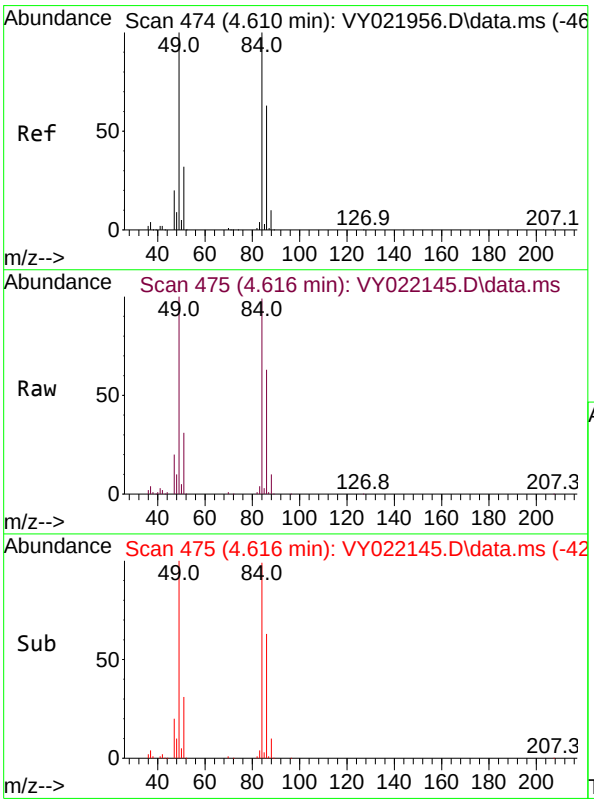
#19
Methyl tert-butyl Ether
Concen: 49.847 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 334445

Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.9	25.3

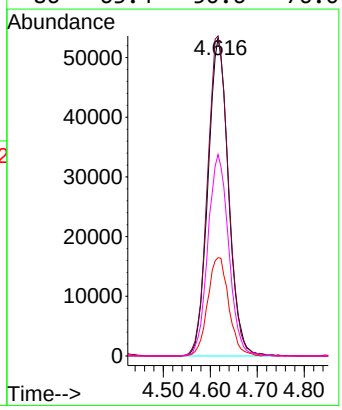


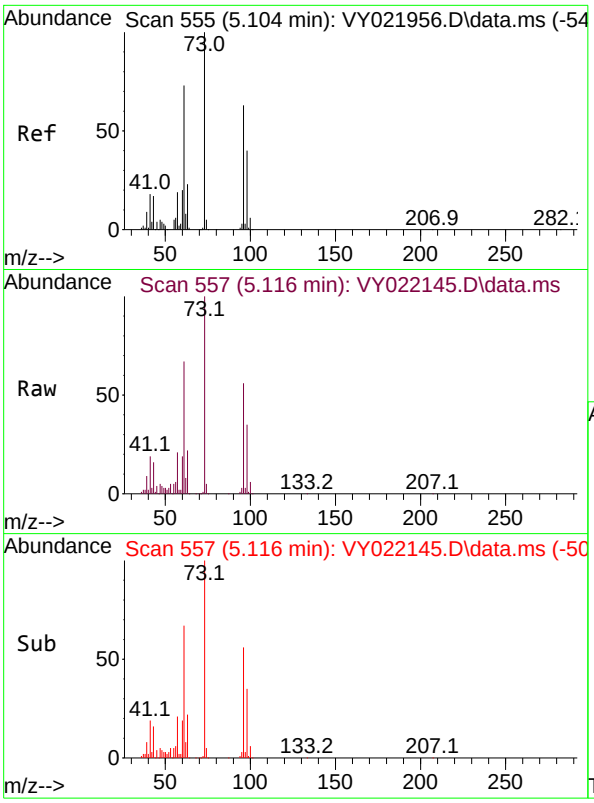


#20
Methylene Chloride
Concen: 45.663 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 84 Resp: 160823

Ion	Ratio	Lower	Upper
84	100		
49	100.7	79.9	119.9
51	30.9	25.4	38.0
86	63.4	50.6	76.0



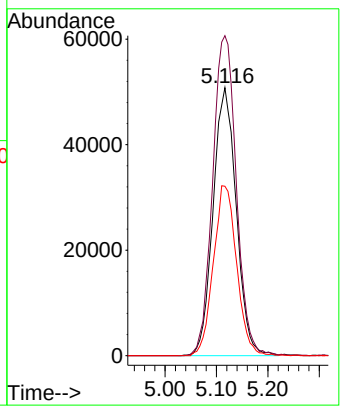


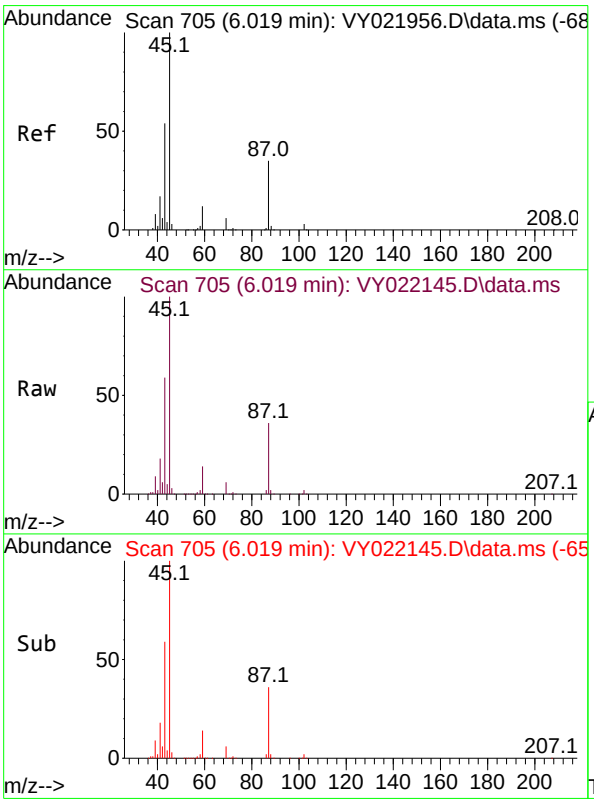
#21
trans-1,2-Dichloroethene
Concen: 47.497 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 159456

Ion	Ratio	Lower	Upper
96	100		
61	119.4	92.6	138.8
98	63.2	50.2	75.4

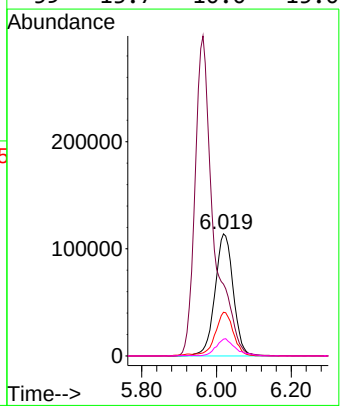


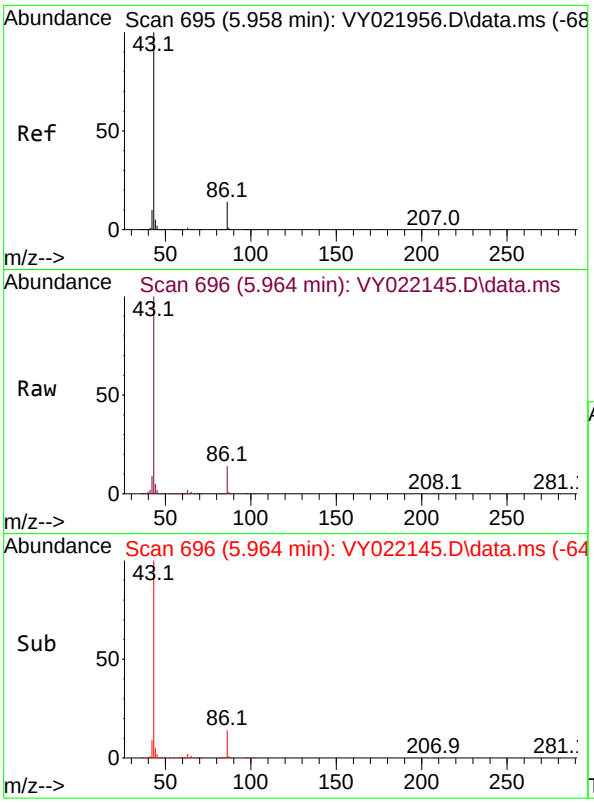


#22
Diisopropyl ether
Concen: 49.807 ug/l
RT: 6.019 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 45 Resp: 386882

Ion	Ratio	Lower	Upper
45	100		
43	58.6	43.6	65.4
87	35.8	28.2	42.4
59	13.7	10.0	15.0



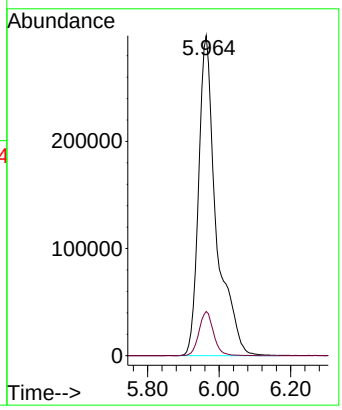


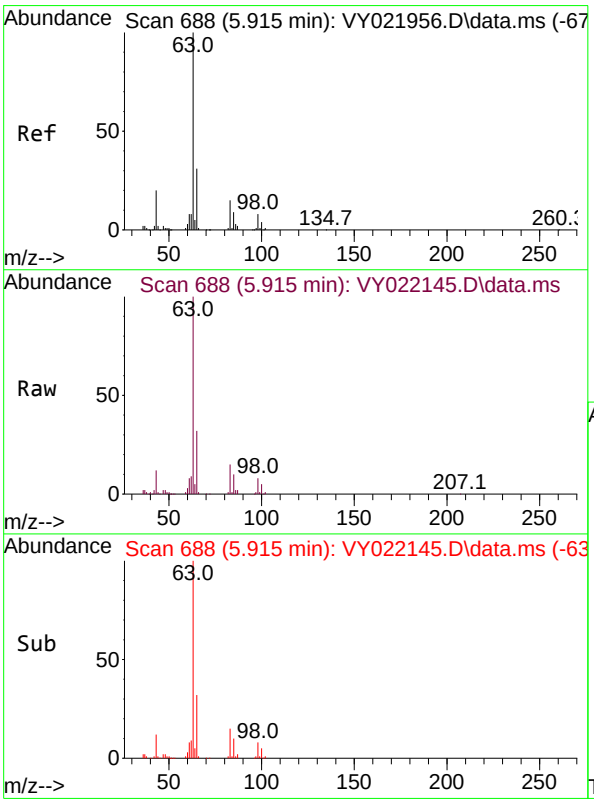
#23
Vinyl Acetate
Concen: 244.768 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1024665

Ion	Ratio	Lower	Upper
43	100		
86	13.8	11.1	16.7

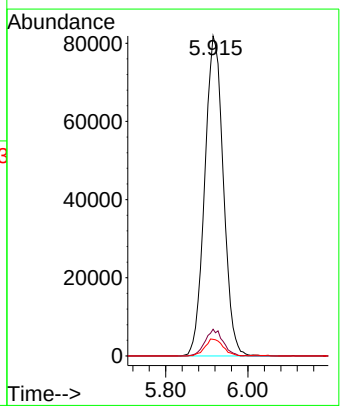


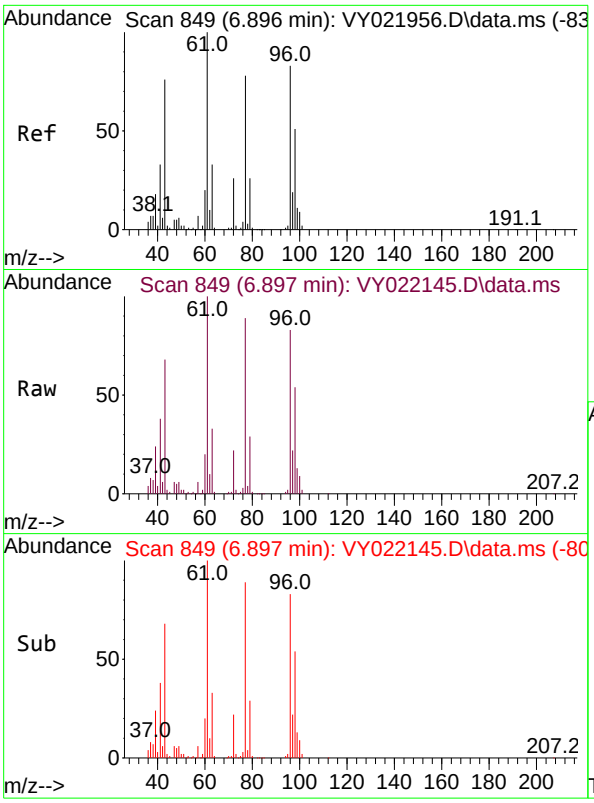


#24
1,1-Dichloroethane
Concen: 47.860 ug/l
RT: 5.915 min Scan# 688
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 63 Resp: 257691

Ion	Ratio	Lower	Upper
63	100		
98	8.4	4.0	11.9
100	5.2	2.0	6.0



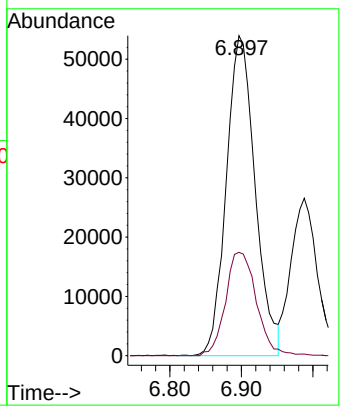


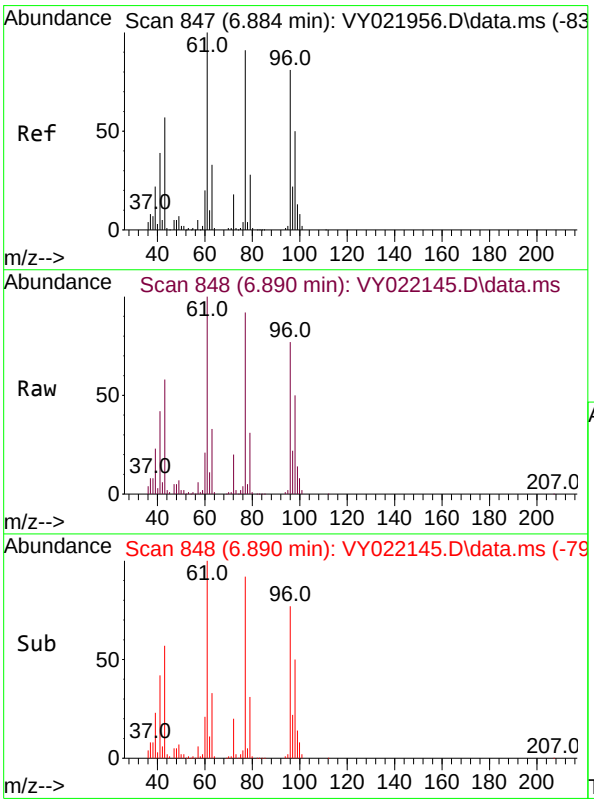
#25
2-Butanone
Concen: 238.488 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 151417

Ion	Ratio	Lower	Upper
43	100		
72	32.3	27.0	40.4

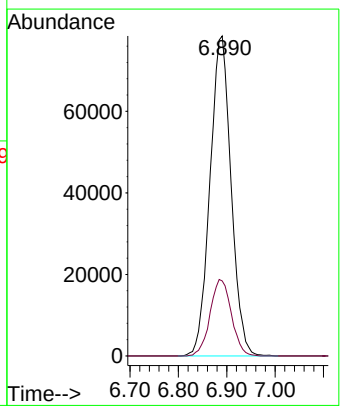


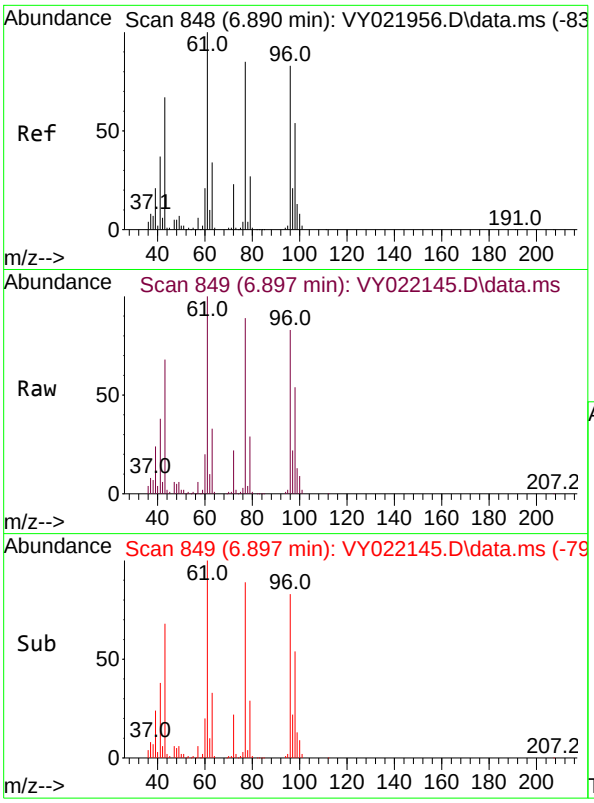


#26
2,2-Dichloropropane
Concen: 50.391 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 77 Resp: 237802

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.4



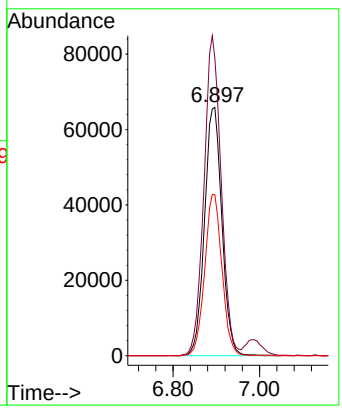


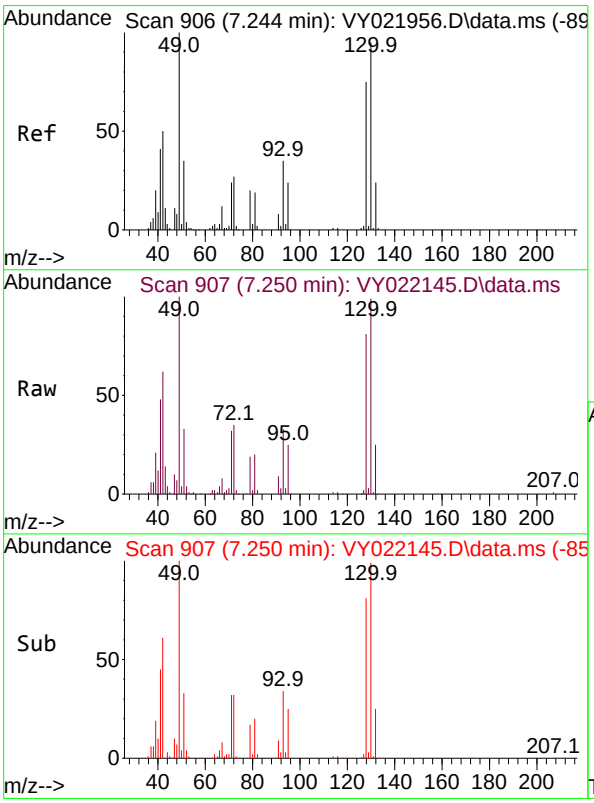
#27
cis-1,2-Dichloroethene
Concen: 48.965 ug/l
RT: 6.897 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 183808

Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	251.4
98	64.2	0.0	128.4

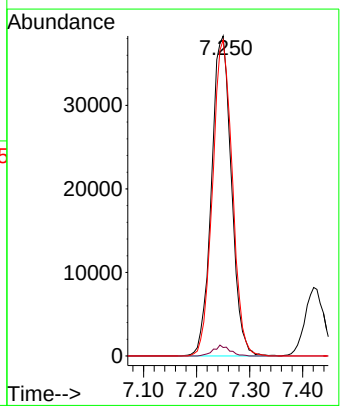


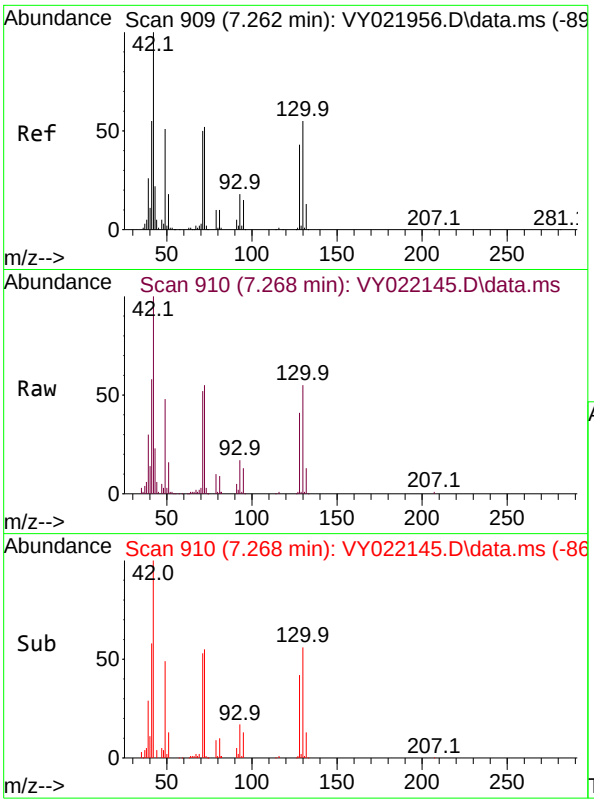


#28
Bromochloromethane
Concen: 47.760 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 49 Resp: 99882

Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	97.9	78.2	117.4



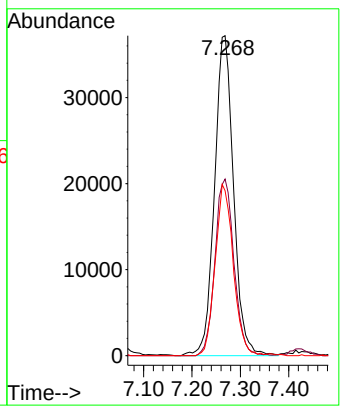


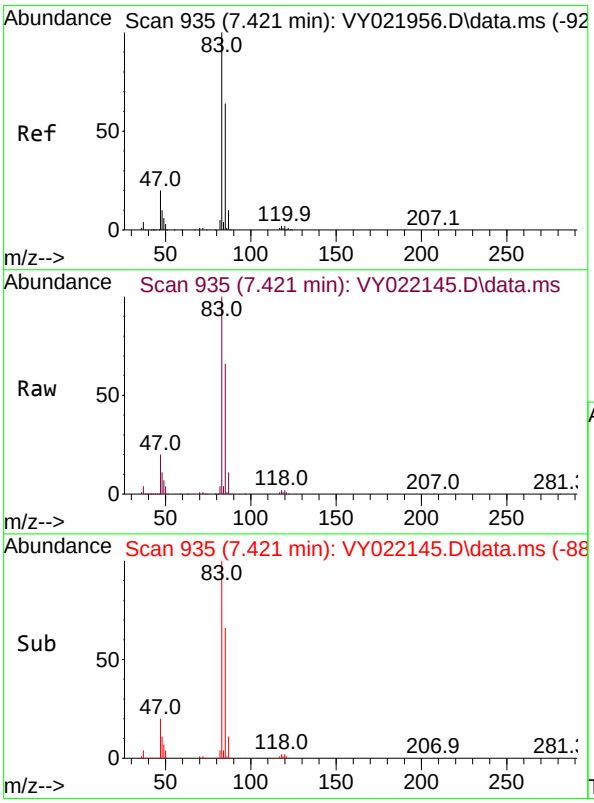
#29
Tetrahydrofuran
Concen: 246.313 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 101569

Ion	Ratio	Lower	Upper
42	100		
72	55.2	42.6	63.8
71	51.1	40.6	61.0

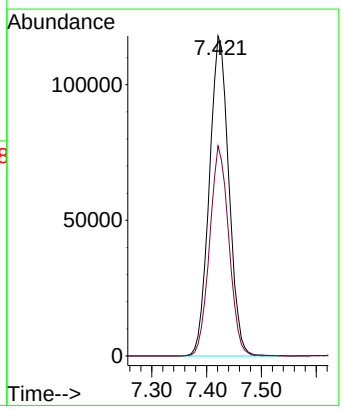


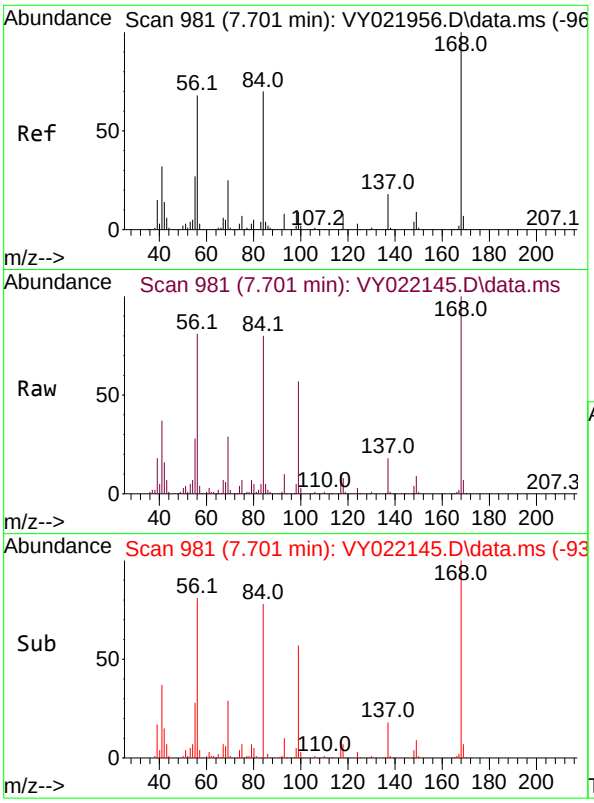


#30
Chloroform
Concen: 48.804 ug/l
RT: 7.421 min Scan# 935
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 83 Resp: 291473

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.3	76.9



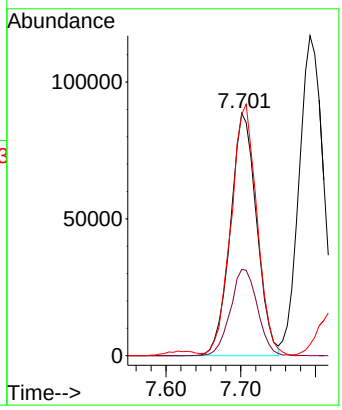


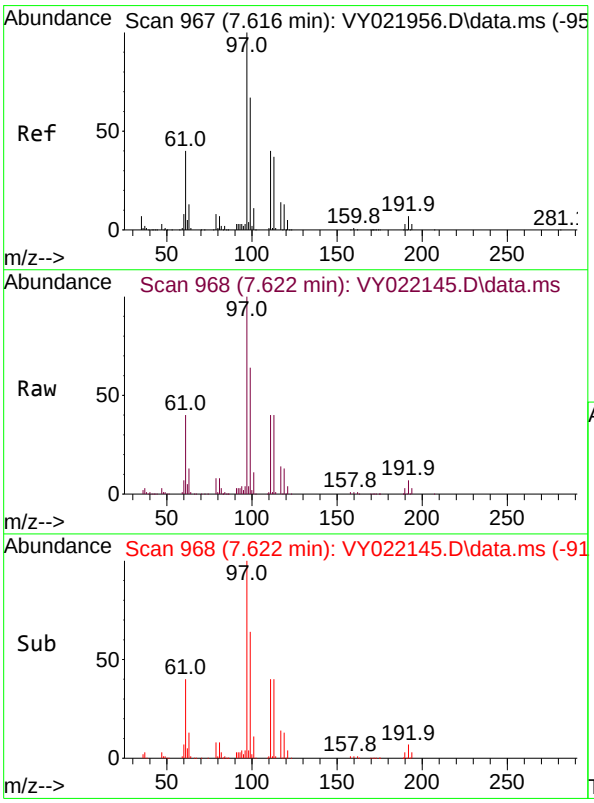
#31
Cyclohexane
Concen: 46.963 ug/l
RT: 7.701 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 216232

Ion	Ratio	Lower	Upper
56	100		
69	35.5	29.4	44.2
84	97.7	82.2	123.4

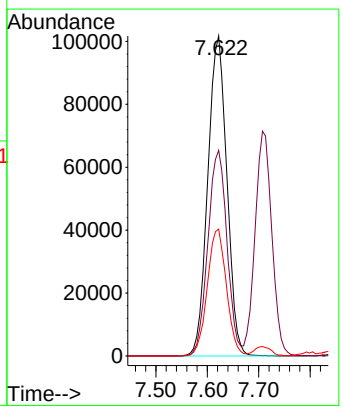


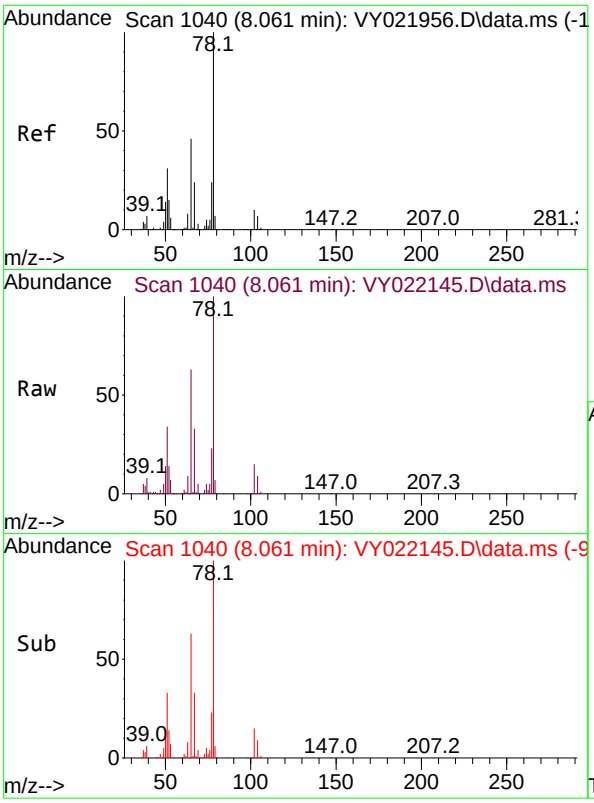


#32
1,1,1-Trichloroethane
Concen: 48.496 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 97 Resp: 262037

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	39.8	31.4	47.2



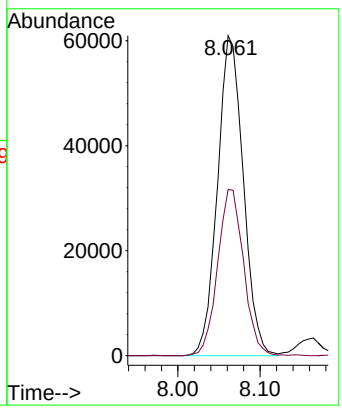


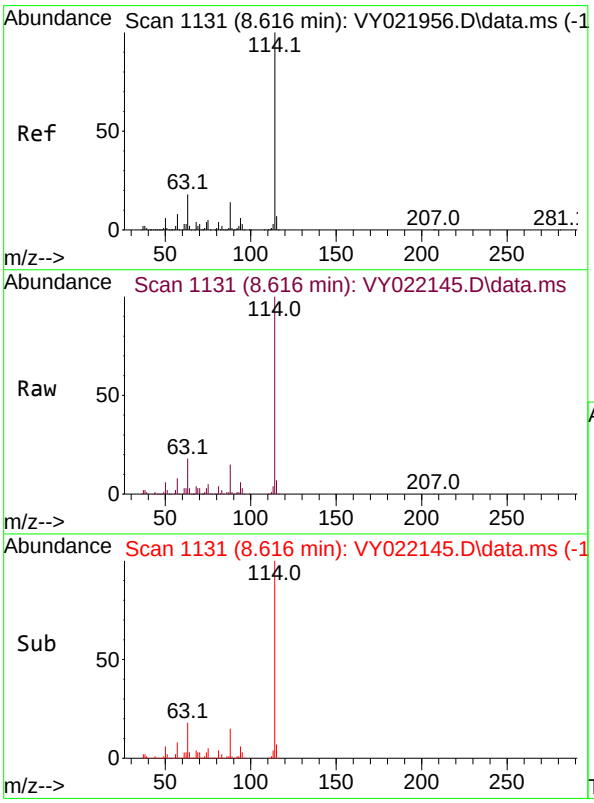
#33
1,2-Dichloroethane-d4
Concen: 47.708 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 132883

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.8

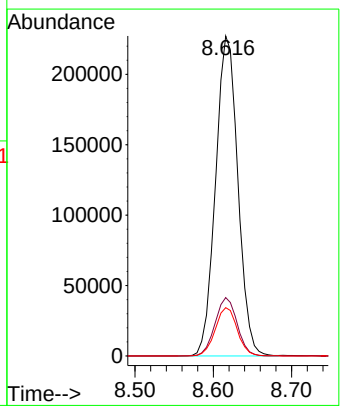


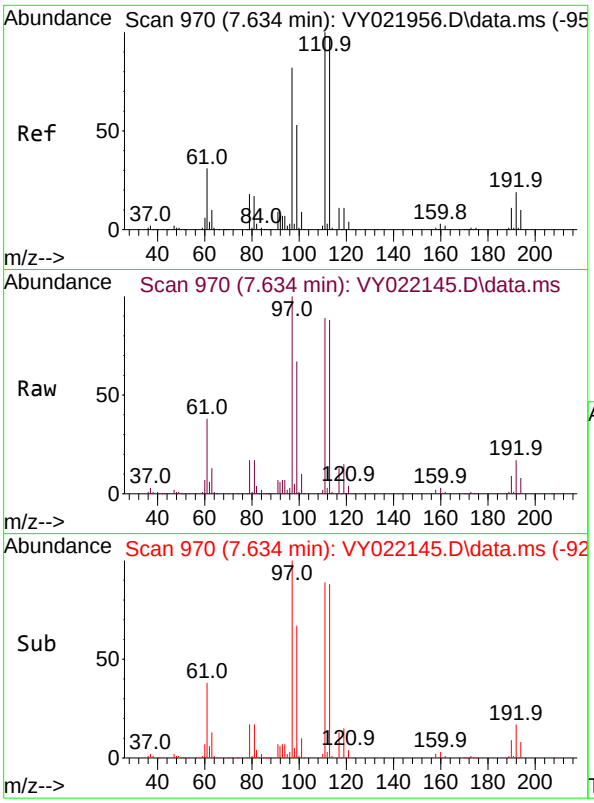


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:114 Resp: 450262

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.4
88	15.1	0.0	28.2



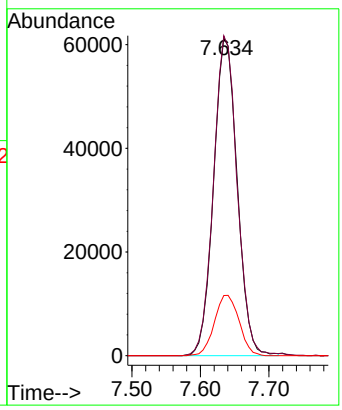


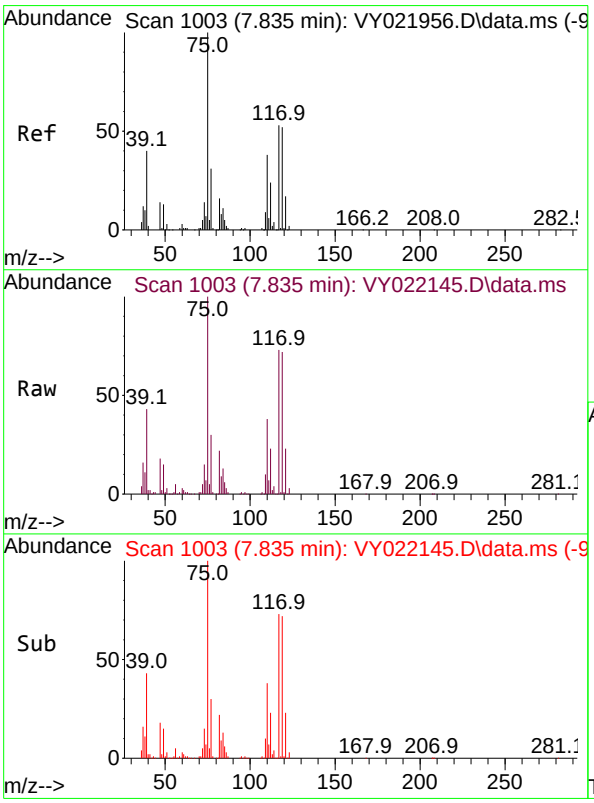
#35
Dibromofluoromethane
Concen: 49.177 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 146286

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.8
192	19.9	15.6	23.4

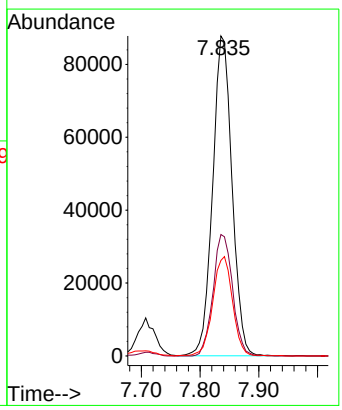


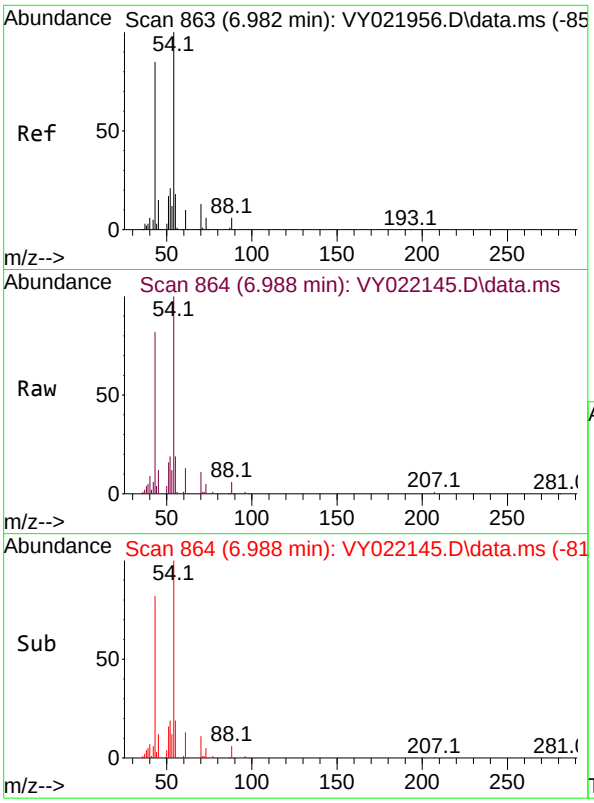


#36
1,1-Dichloropropene
Concen: 50.333 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 201117

Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.1	57.3
77	31.8	25.5	38.3



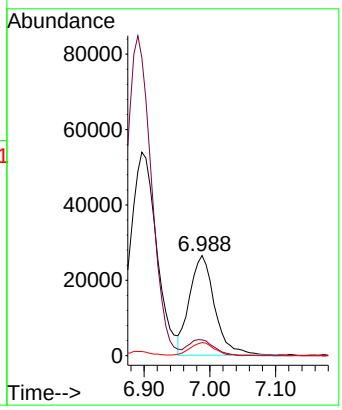


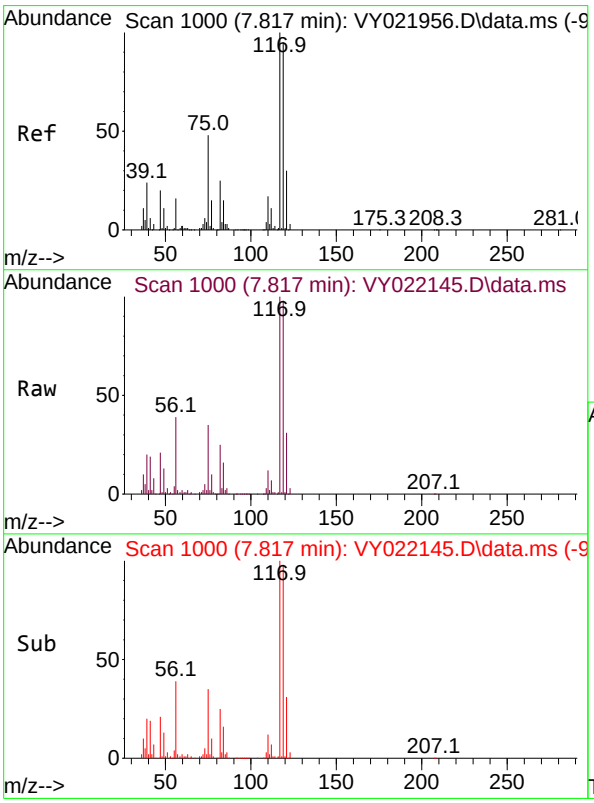
#37
Ethyl Acetate
Concen: 48.702 ug/l
RT: 6.988 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 69892

Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.8	20.6
70	13.0	9.2	13.8

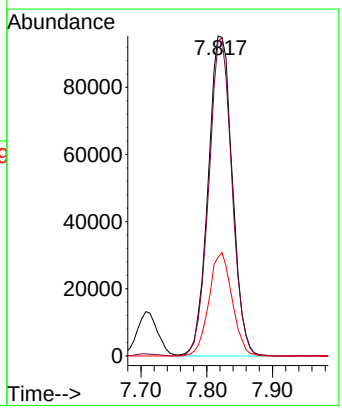


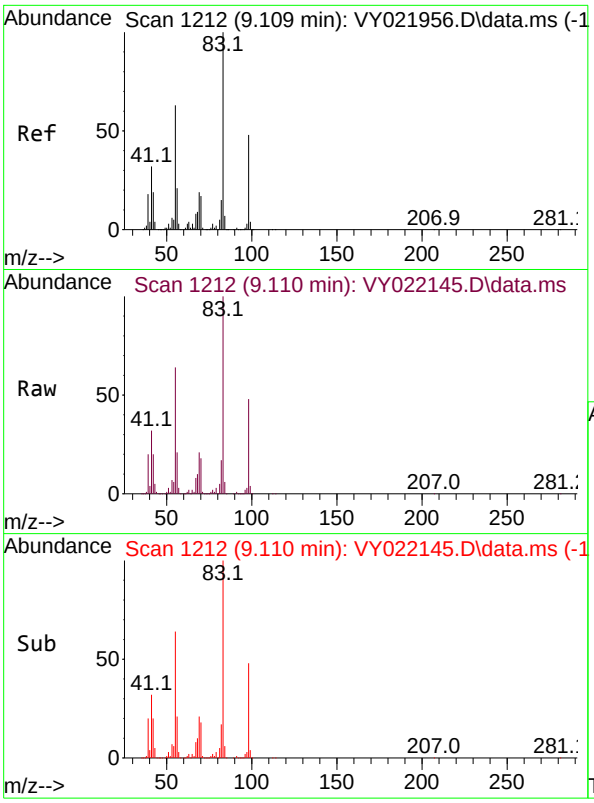


#38
Carbon Tetrachloride
Concen: 50.908 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:117 Resp: 243069

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.2	114.4
121	30.8	24.0	36.0



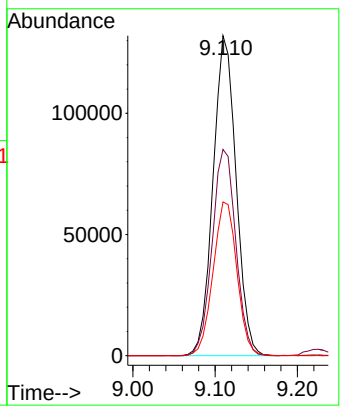


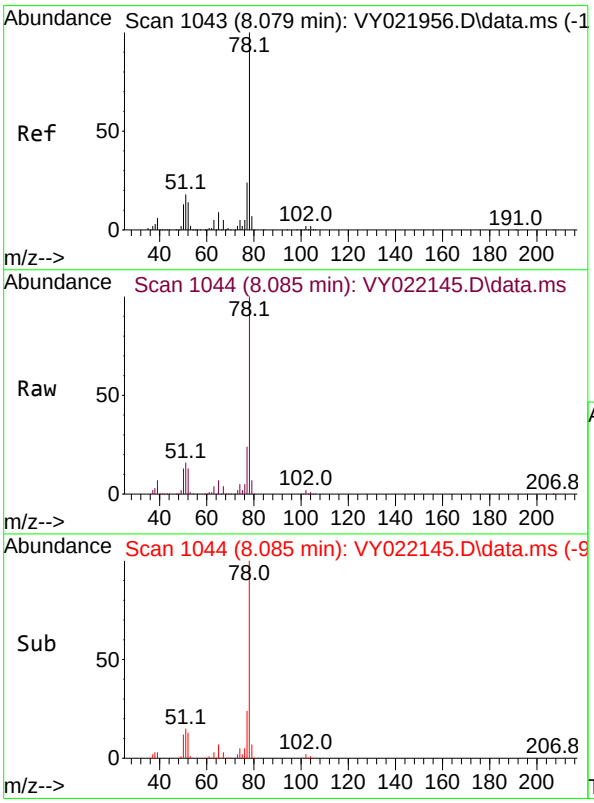
#39
Methylcyclohexane
Concen: 51.187 ug/l
RT: 9.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 257390

Ion	Ratio	Lower	Upper
83	100		
55	64.5	50.6	75.8
98	48.0	38.6	58.0

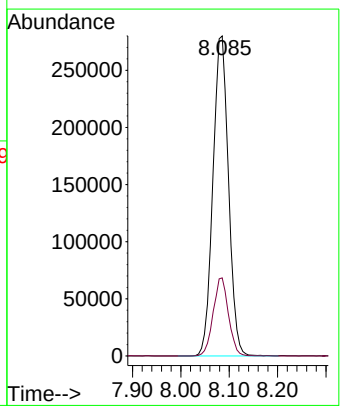


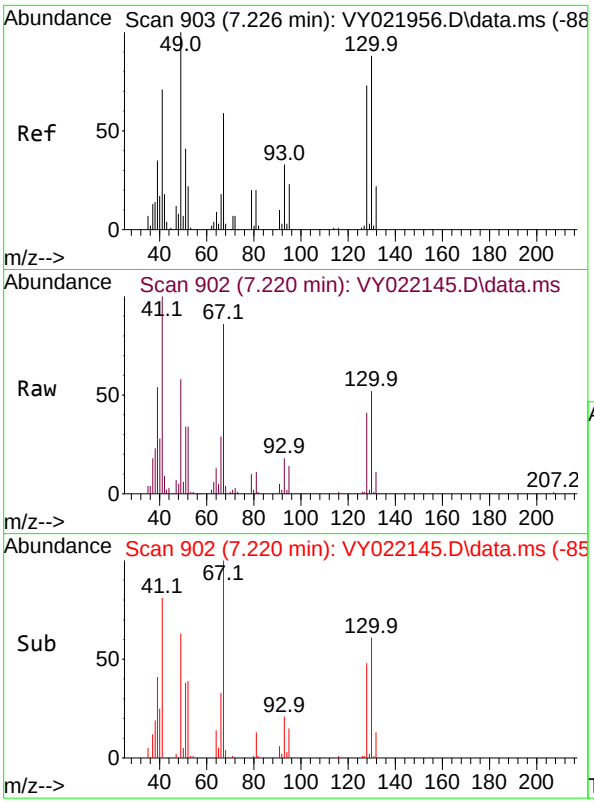


#40
Benzene
Concen: 50.056 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 78 Resp: 625230

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9



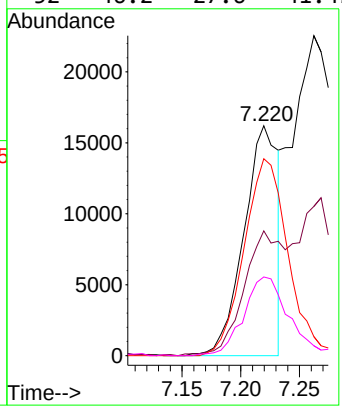


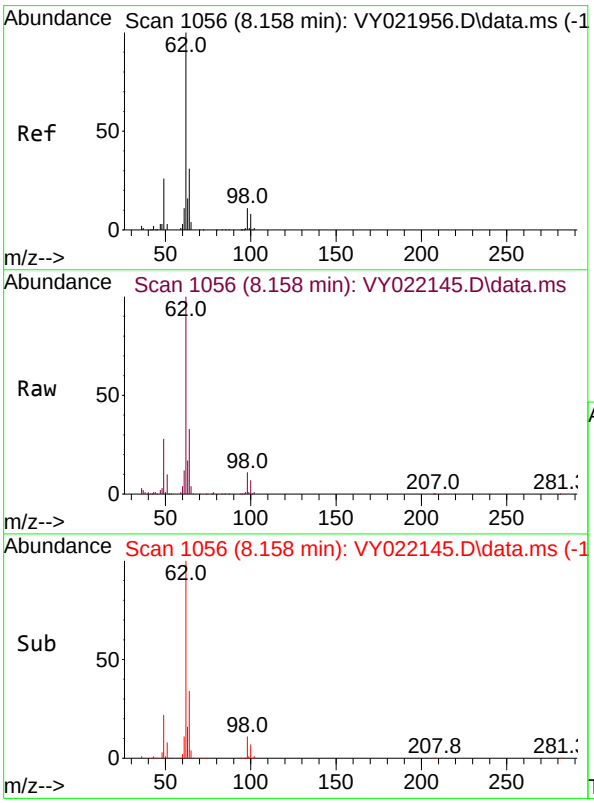
#41
Methacrylonitrile
Concen: 41.851 ug/l
RT: 7.220 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 32832

Ion	Ratio	Lower	Upper
41	100		
39	63.1	36.6	55.0#
67	111.0	72.2	108.4#
52	46.2	27.6	41.4#

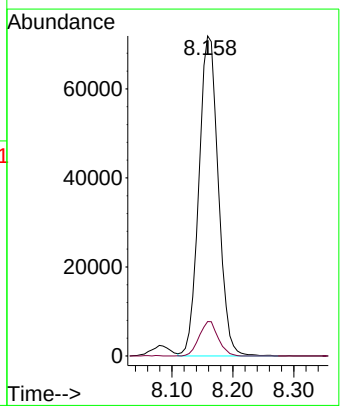


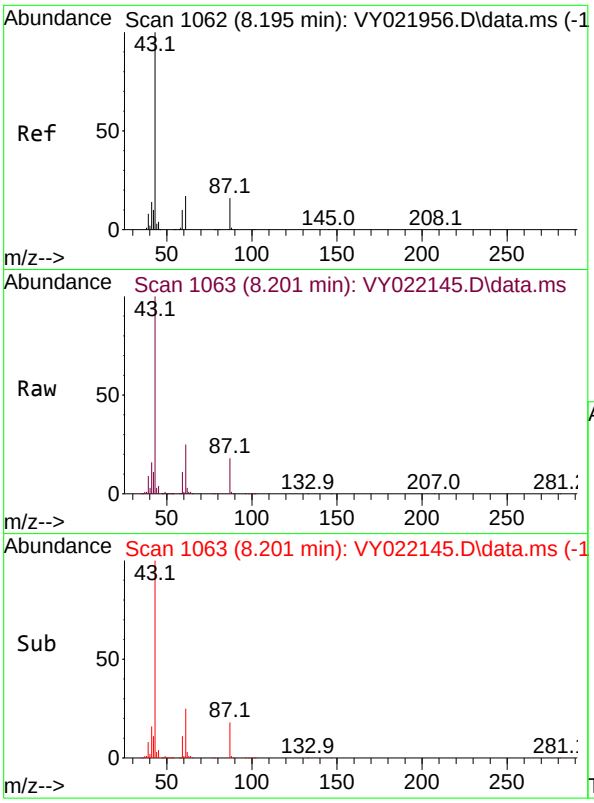


#42
1,2-Dichloroethane
Concen: 51.493 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 62 Resp: 159242

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	22.0



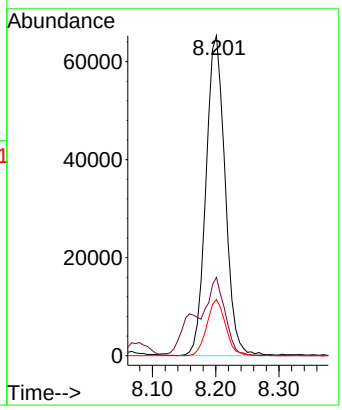


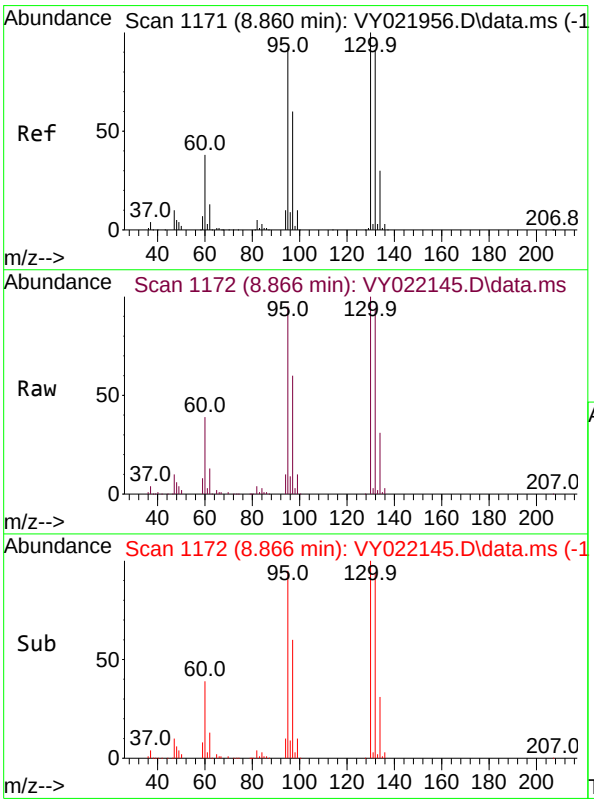
#43
Isopropyl Acetate
Concen: 49.819 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 137299

Ion	Ratio	Lower	Upper
43	100		
61	23.0	18.9	28.3
87	17.1	13.7	20.5

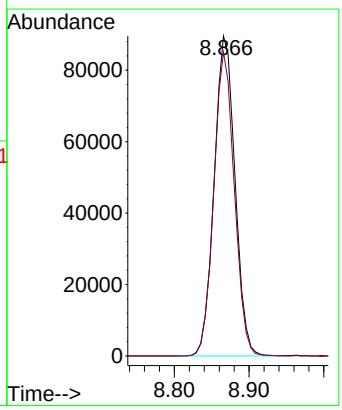


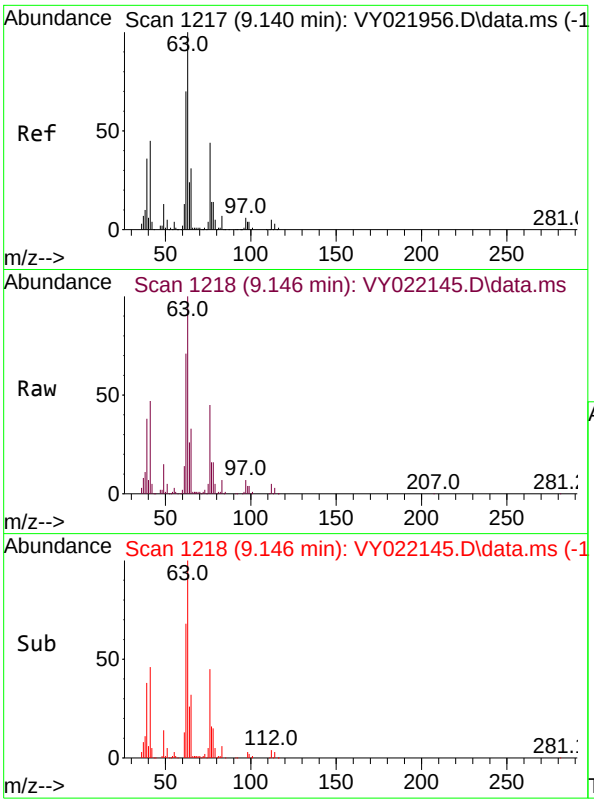


#44
Trichloroethene
Concen: 50.021 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:130 Resp: 173060

Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	183.2



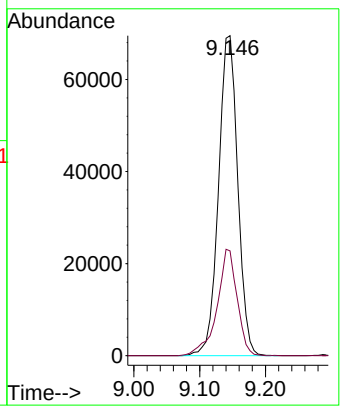


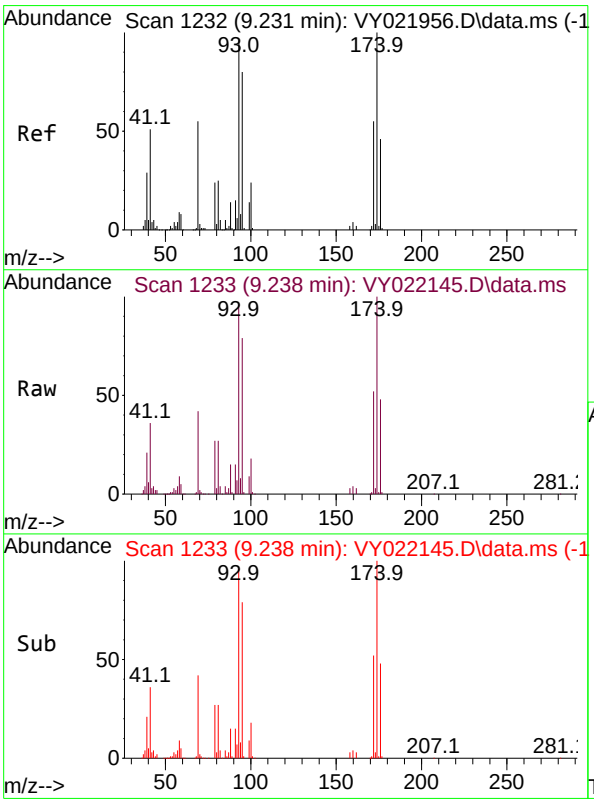
#45
1,2-Dichloropropane
Concen: 51.207 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 141445

Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.2	37.8

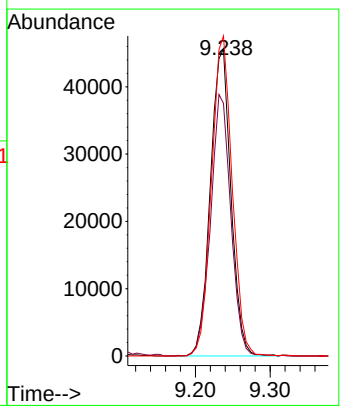


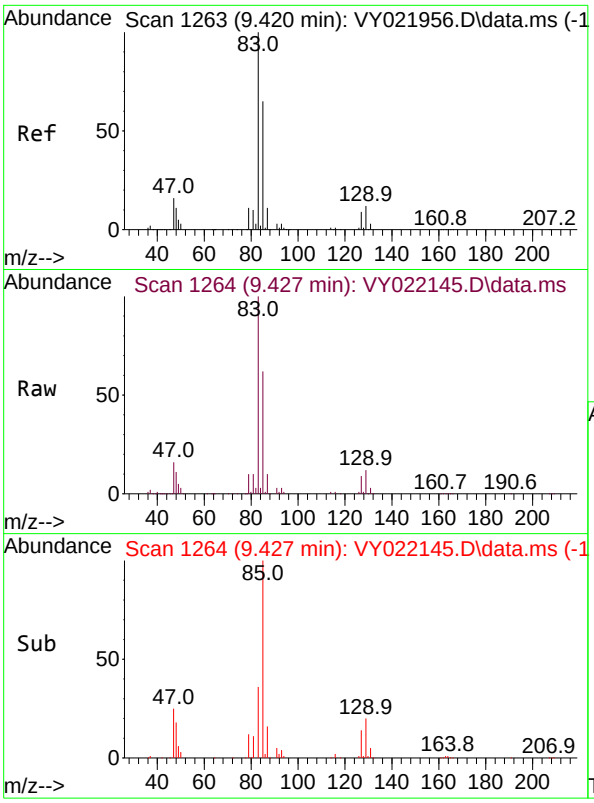


#46
Dibromomethane
Concen: 50.312 ug/l
RT: 9.238 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 93 Resp: 86996

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.7	100.1
174	104.7	84.6	127.0



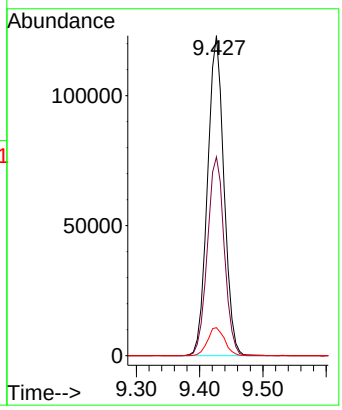


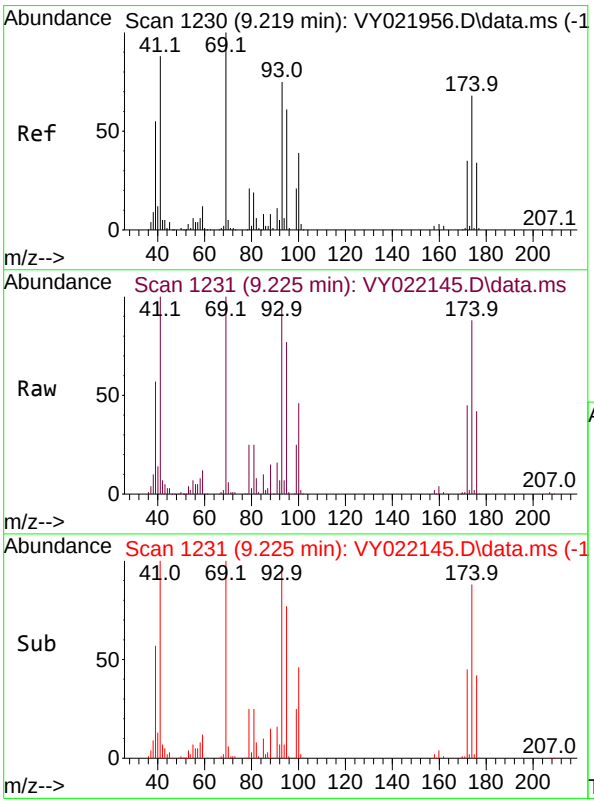
#47
Bromodichloromethane
Concen: 51.319 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 221679

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.8
127	8.8	7.0	10.6

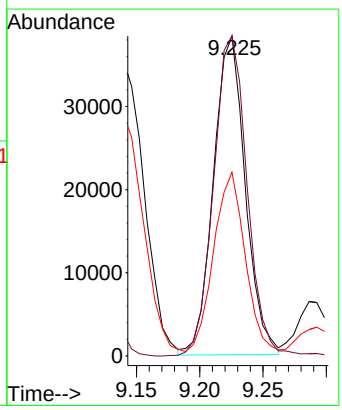


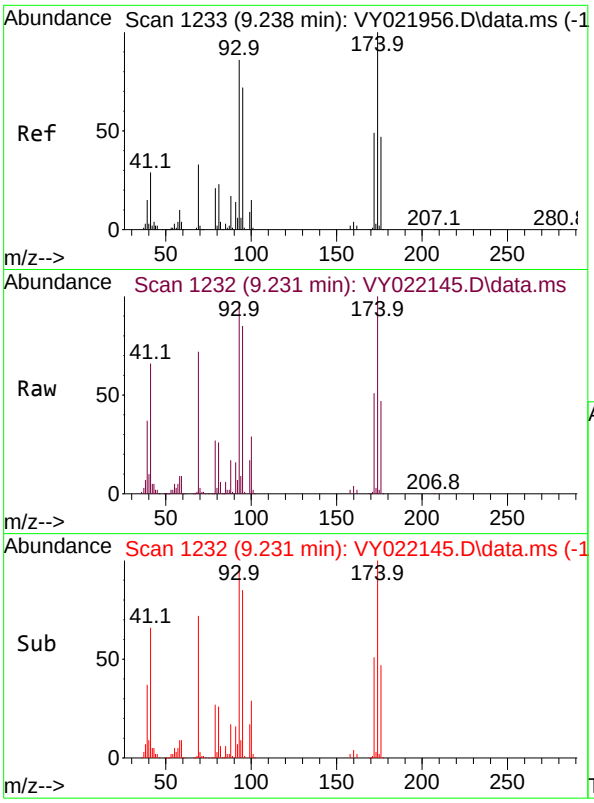


#48
Methyl methacrylate
Concen: 52.721 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 41 Resp: 67168

Ion	Ratio	Lower	Upper
41	100		
69	105.8	85.5	128.3
39	55.4	46.2	69.4



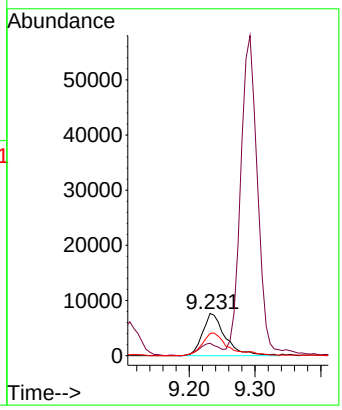


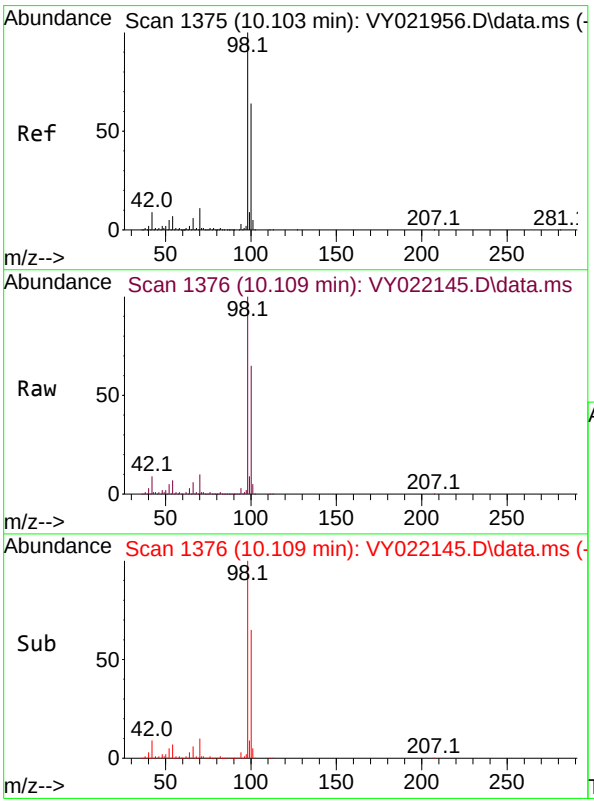
#49
1,4-Dioxane
Concen: 997.352 ug/l
RT: 9.231 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 18381

Ion	Ratio	Lower	Upper
88	100		
43	25.1	21.3	31.9
58	62.2	50.5	75.7

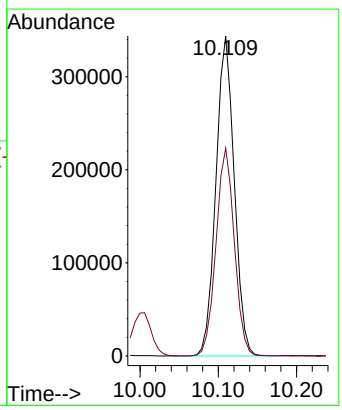


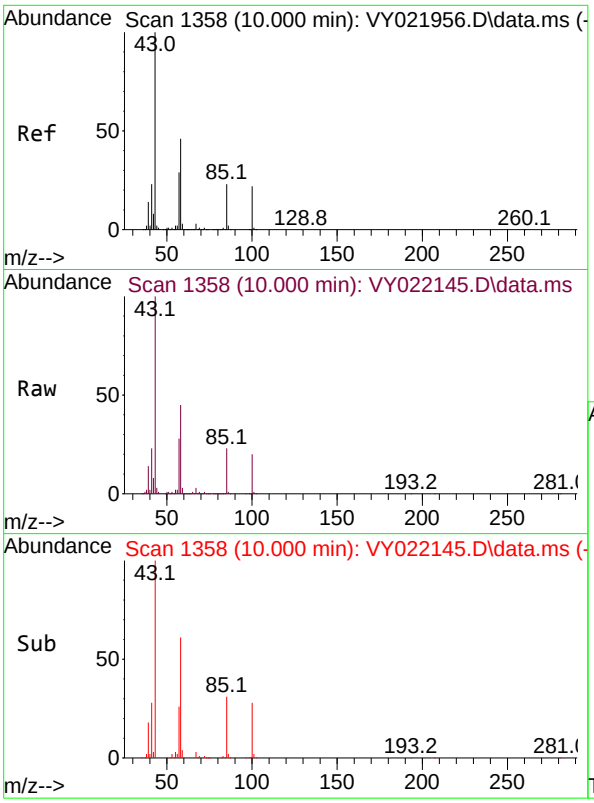


#50
Toluene-d8
Concen: 49.907 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 98 Resp: 559680

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4



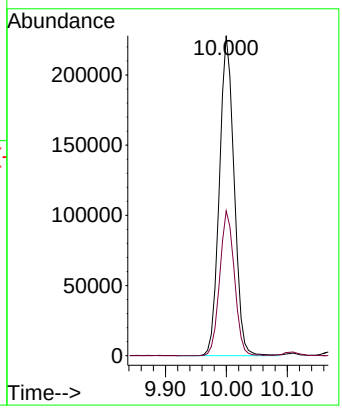


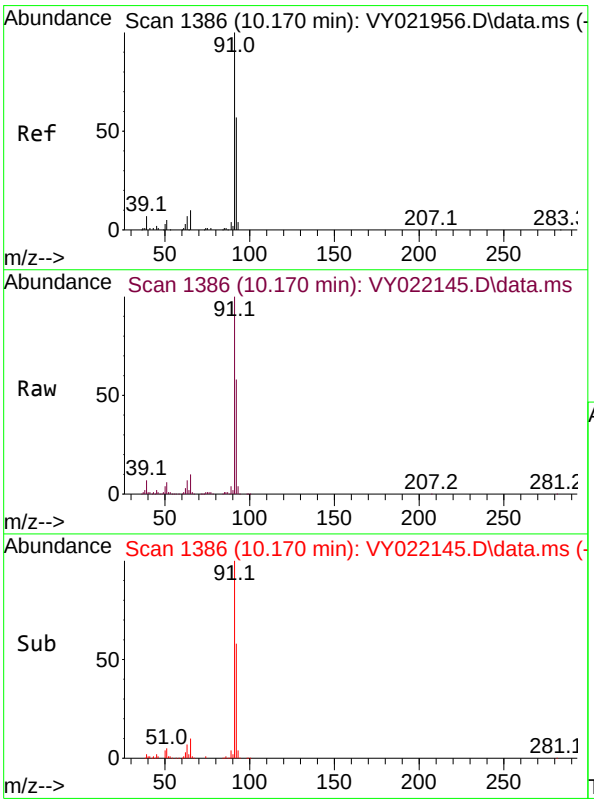
#51
4-Methyl-2-Pentanone
Concen: 264.723 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 382449

Ion	Ratio	Lower	Upper
43	100		
58	45.1	36.6	55.0

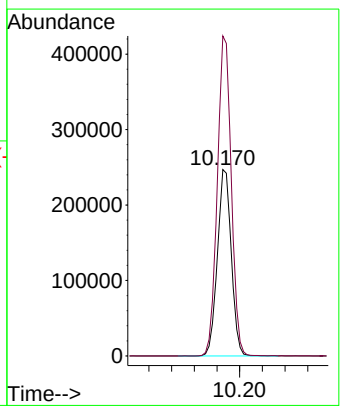


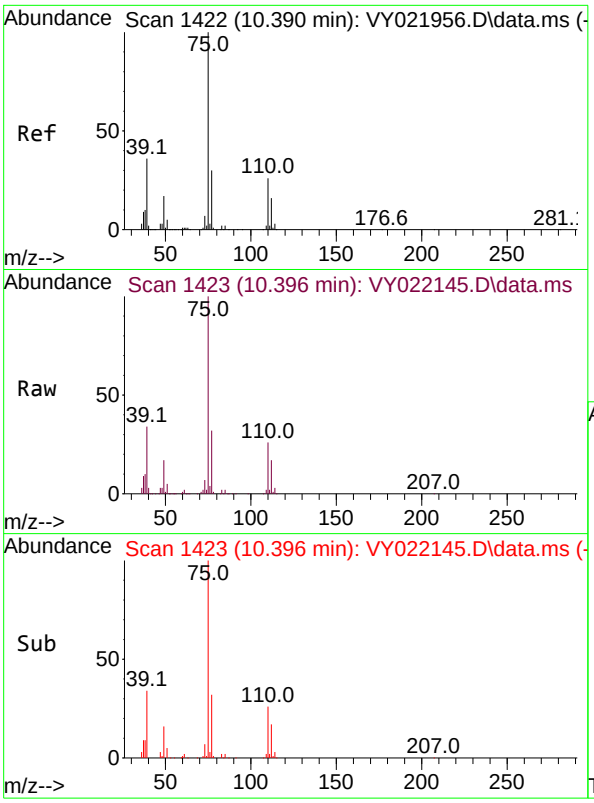


#52
Toluene
Concen: 51.956 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 92 Resp: 420077

Ion	Ratio	Lower	Upper
92	100		
91	172.2	138.6	207.8



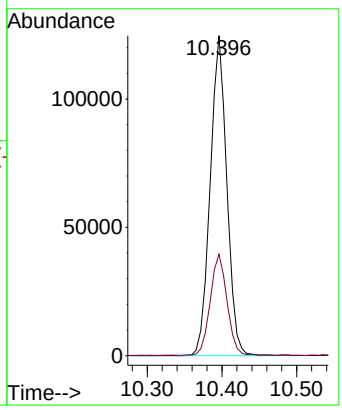


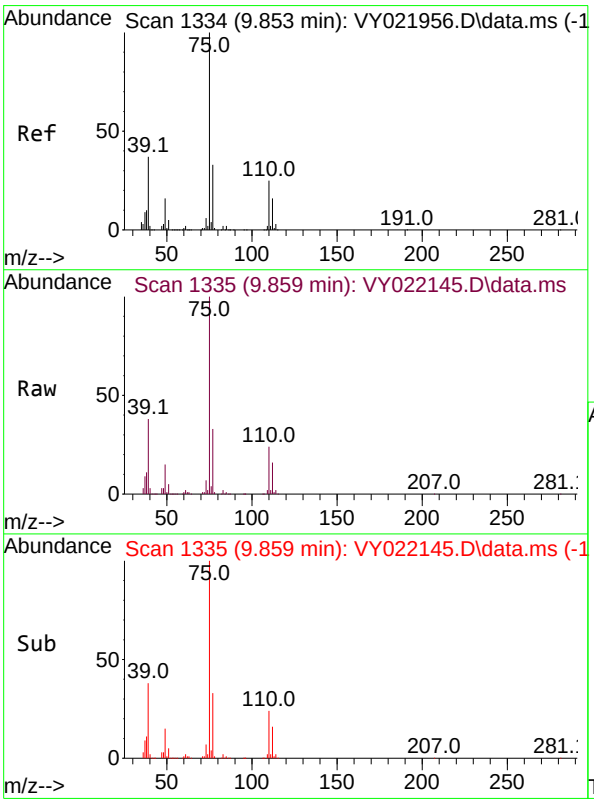
#53
t-1,3-Dichloropropene
Concen: 51.928 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 192400

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.0	36.0

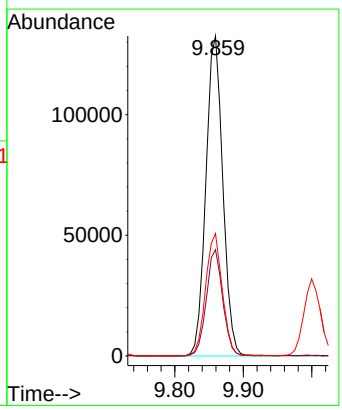


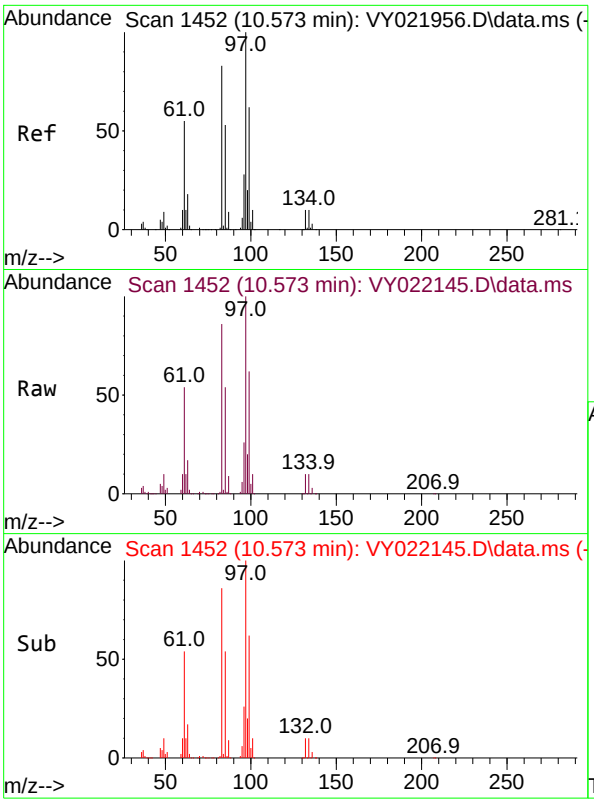


#54
cis-1,3-Dichloropropene
Concen: 51.667 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 227562

Ion	Ratio	Lower	Upper
75	100		
77	33.2	26.6	40.0
39	38.2	29.6	44.4



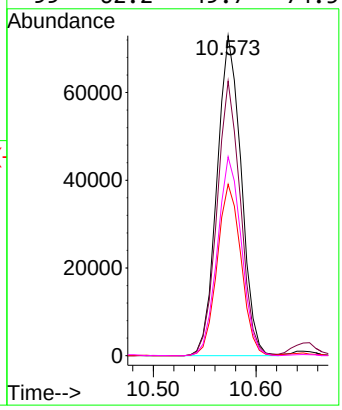


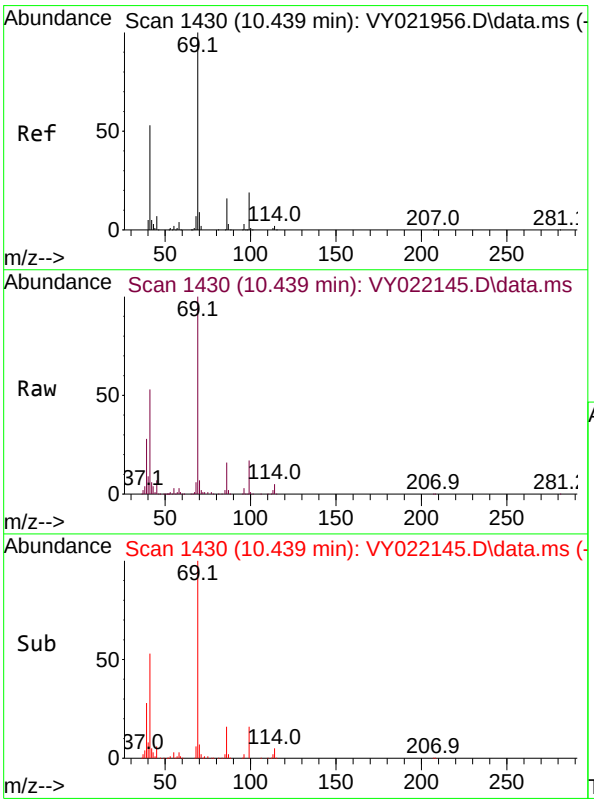
#55
1,1,2-Trichloroethane
Concen: 51.742 ug/l
RT: 10.573 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 119511

Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.7	100.1
85	53.6	42.6	64.0
99	62.2	49.7	74.5

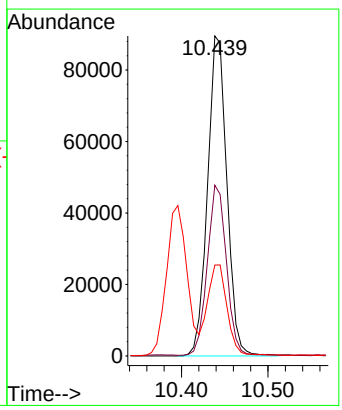


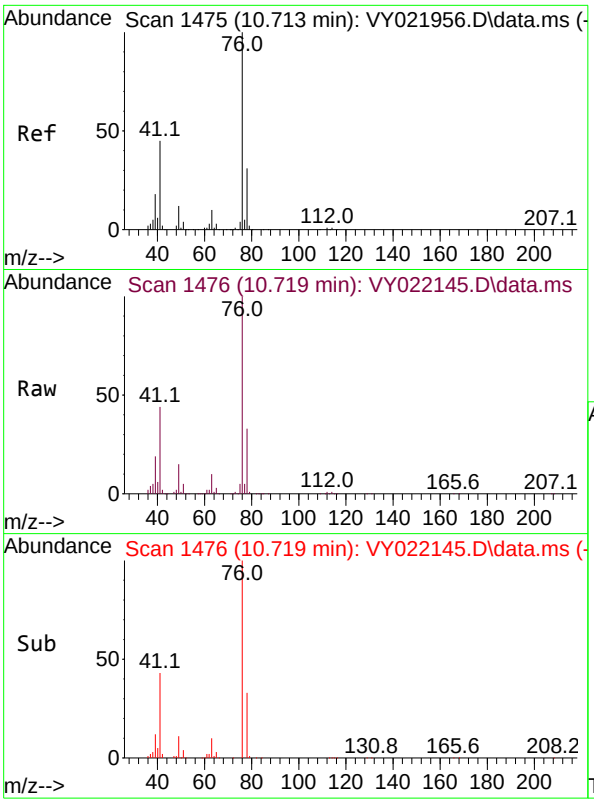


#56
Ethyl methacrylate
Concen: 52.583 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 69 Resp: 138889

Ion	Ratio	Lower	Upper
69	100		
41	52.5	40.7	61.1
39	28.7	23.3	34.9



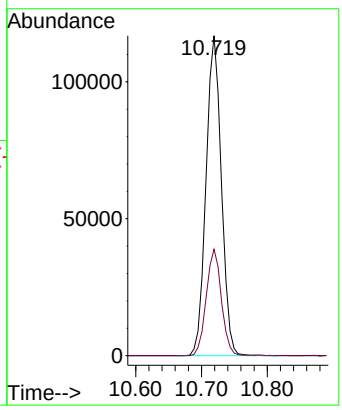


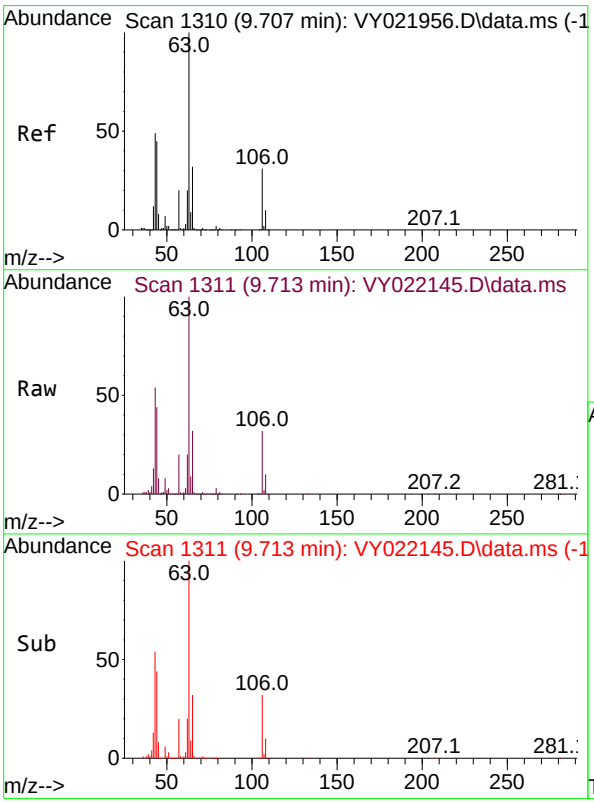
#57
1,3-Dichloropropane
Concen: 51.177 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 189498

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	39.8

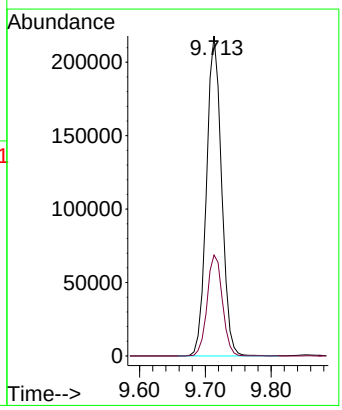


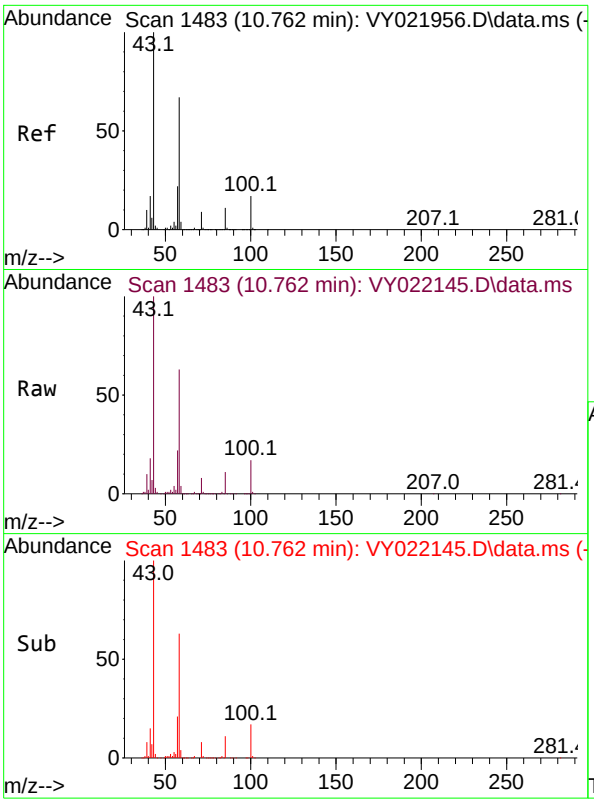


#58
2-Chloroethyl Vinyl ether
Concen: 268.418 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 63 Resp: 346642

Ion	Ratio	Lower	Upper
63	100		
106	32.0	25.3	37.9



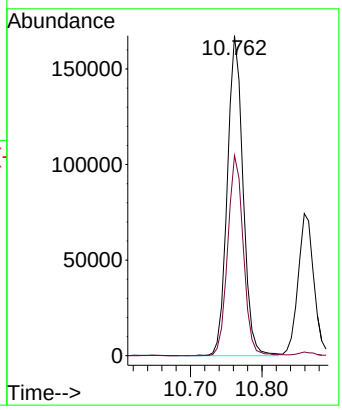


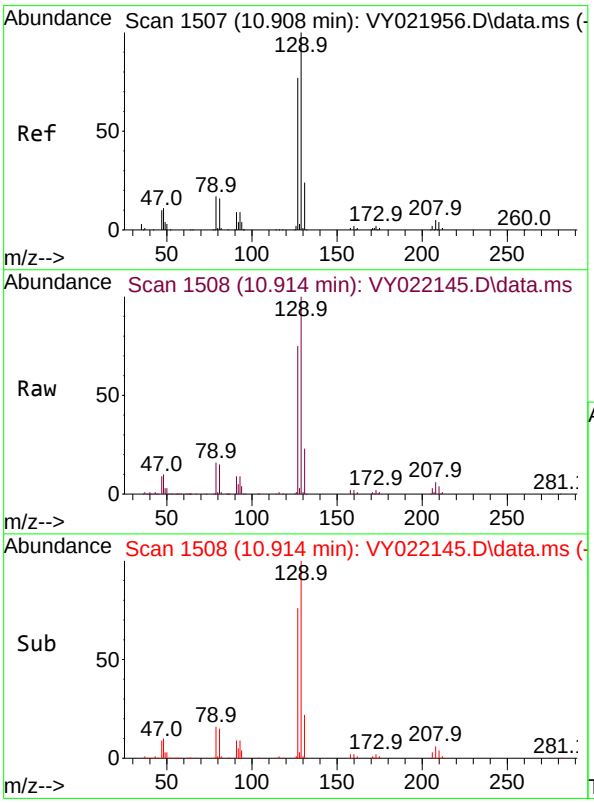
#59
2-Hexanone
Concen: 267.843 ug/l
RT: 10.762 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 255230

Ion	Ratio	Lower	Upper
43	100		
58	62.3	32.0	96.0

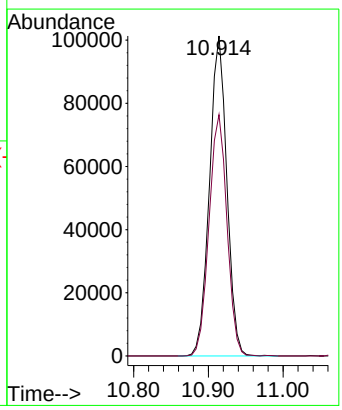


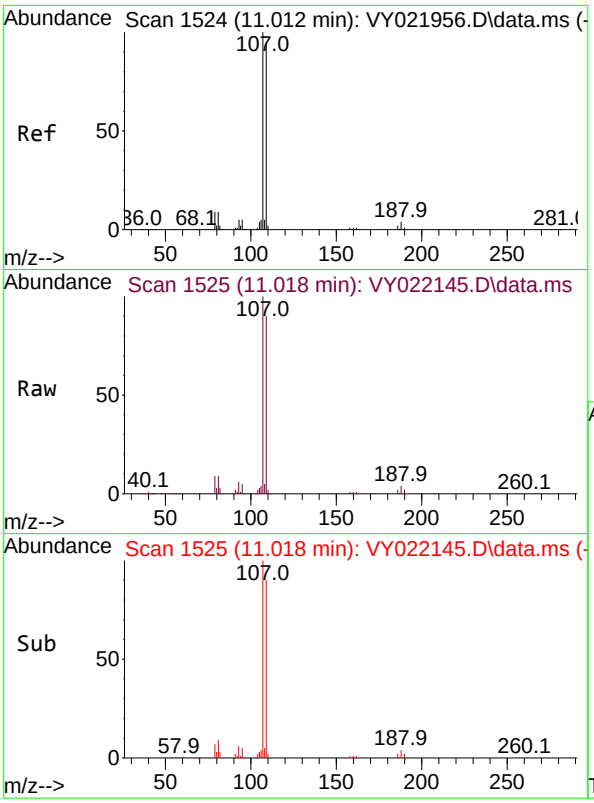


#60
Dibromochloromethane
Concen: 51.138 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:129 Resp: 163529

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.3



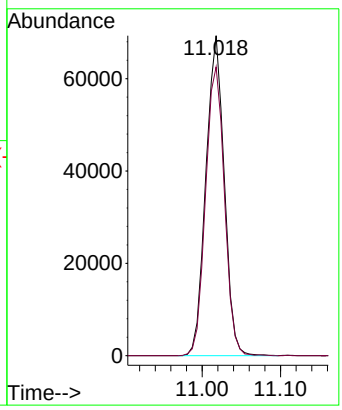


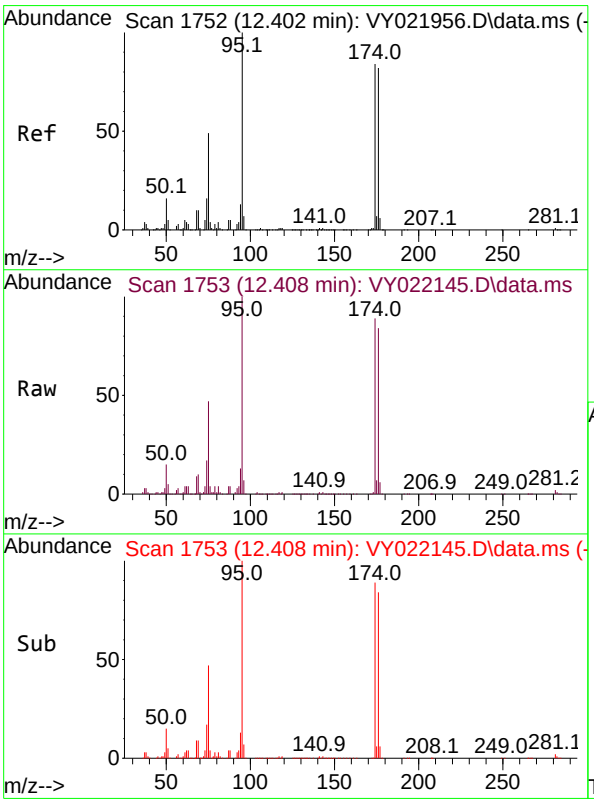
#61
1,2-Dibromoethane
Concen: 51.775 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 112896

Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.8	113.8

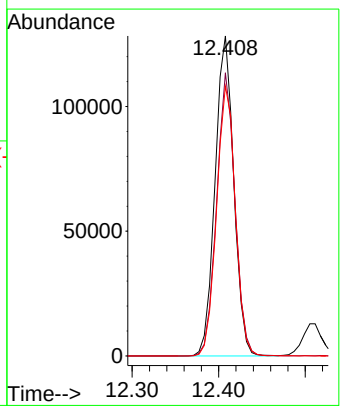


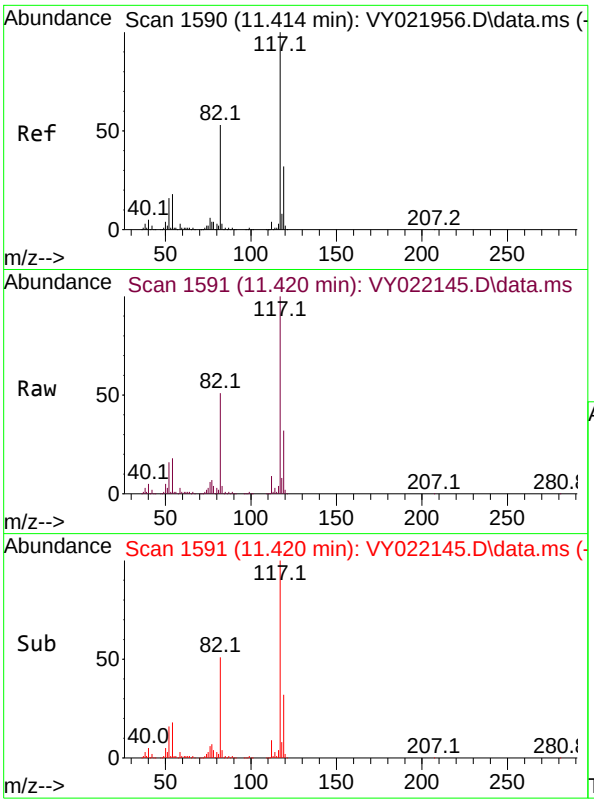


#62
4-Bromofluorobenzene
Concen: 50.932 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 95 Resp: 192281

Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	179.0
176	84.7	0.0	171.8



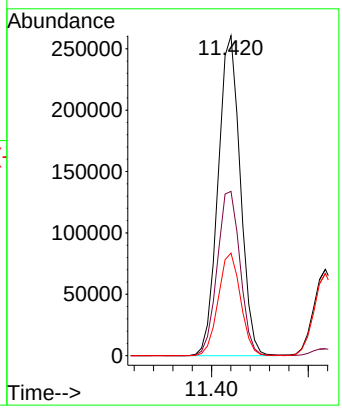


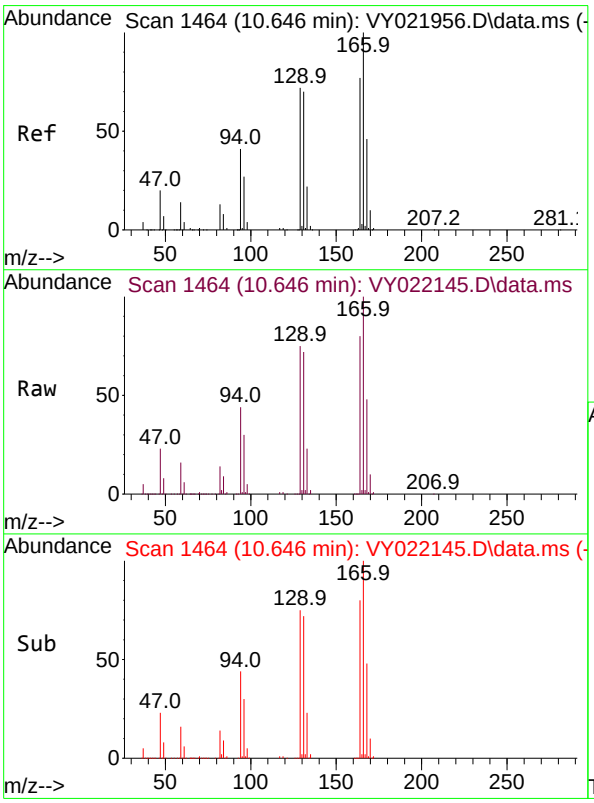
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 415602

Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.1	63.1
119	32.1	25.7	38.5

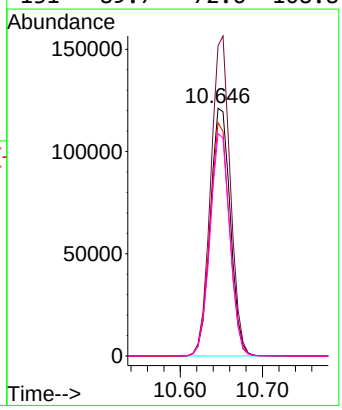


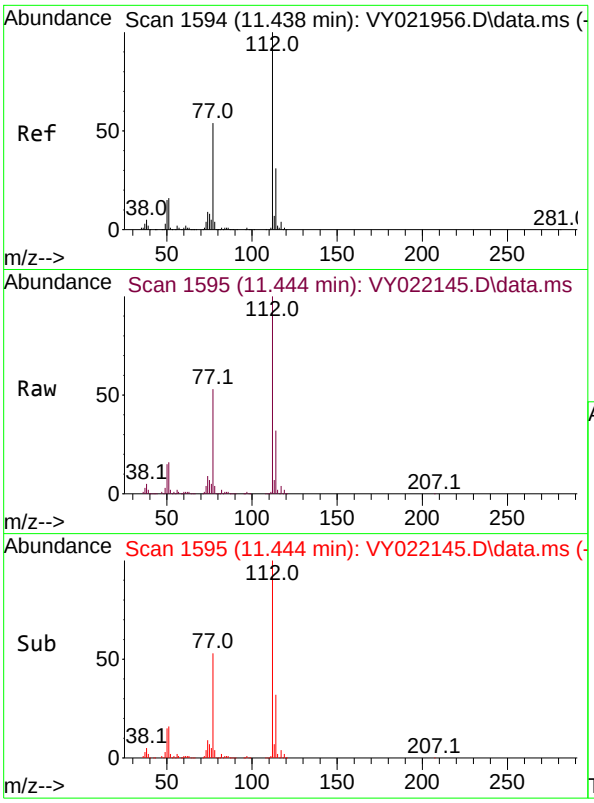


#64
Tetrachloroethene
Concen: 52.270 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:164 Resp: 204932

Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.6	155.4
129	94.2	74.2	111.4
131	89.7	72.6	108.8



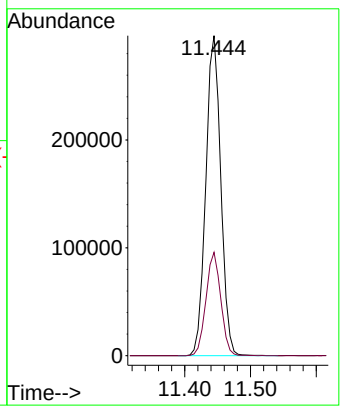


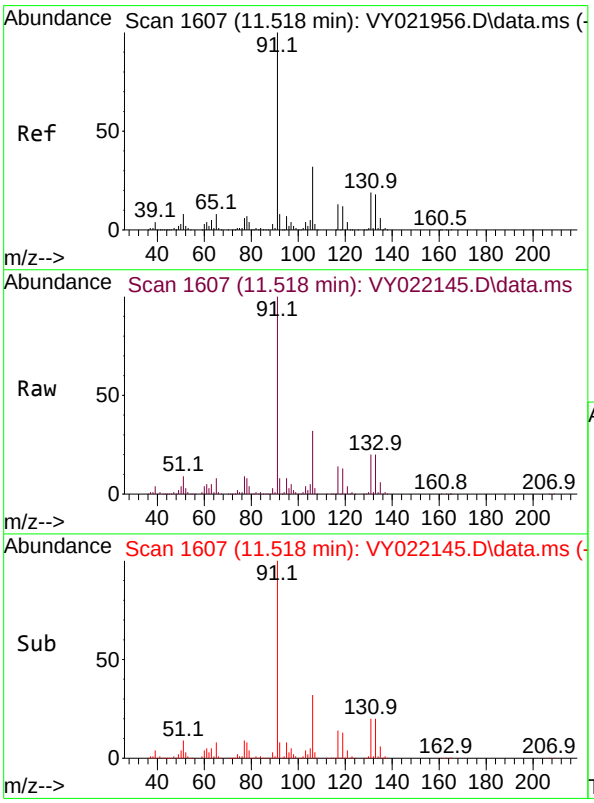
#65
Chlorobenzene
Concen: 50.610 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 470366

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4

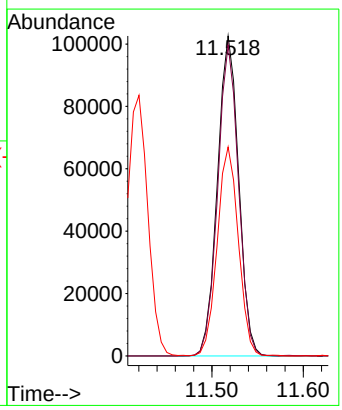


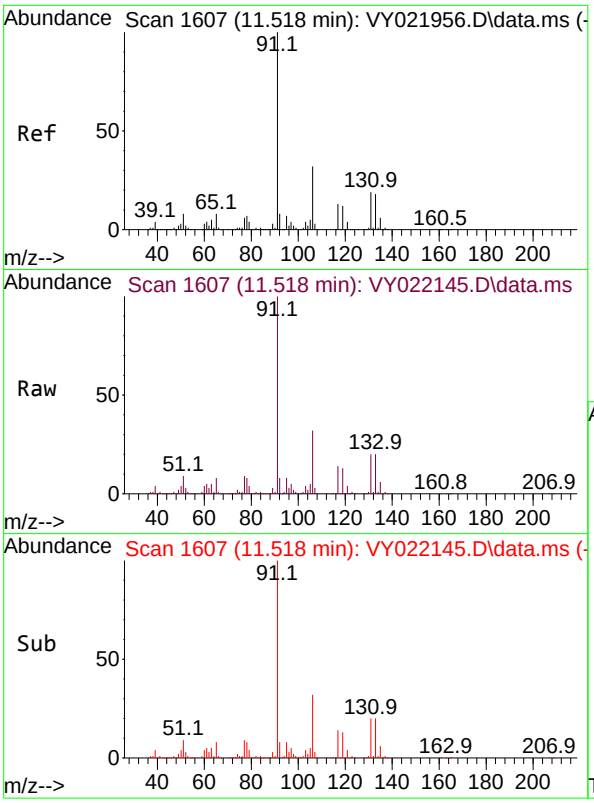


#66
1,1,1,2-Tetrachloroethane
Concen: 50.569 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:131 Resp: 165462

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.8	143.3
119	64.8	32.4	97.0



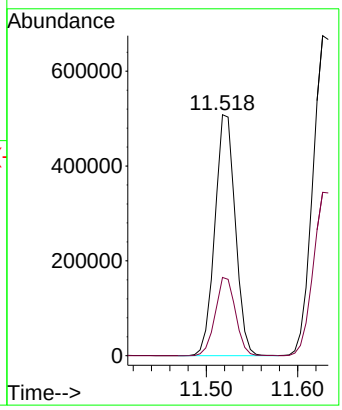


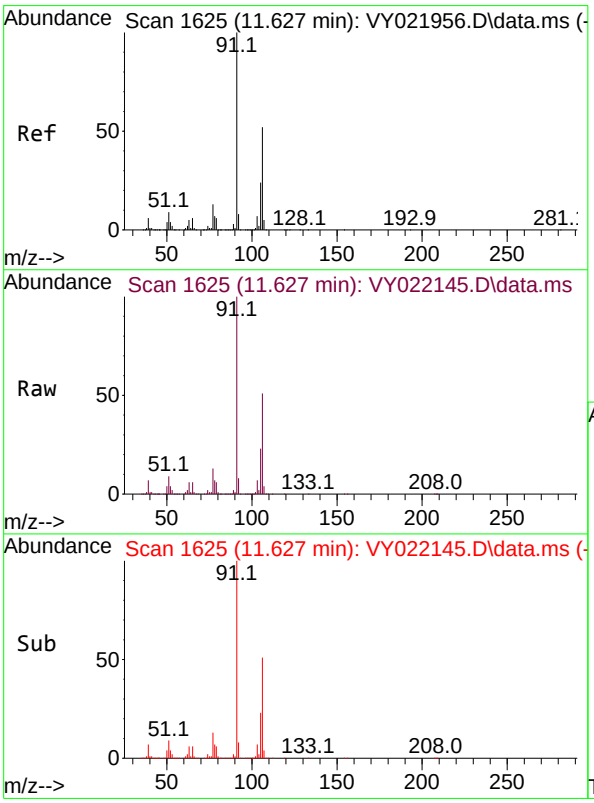
#67
Ethyl Benzene
Concen: 51.872 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 788631

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.9	38.9

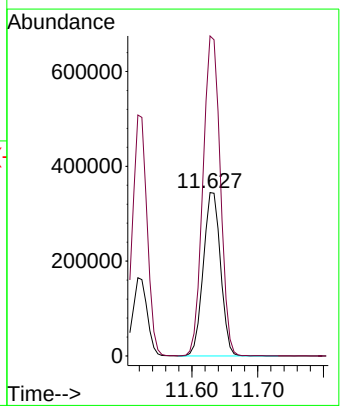


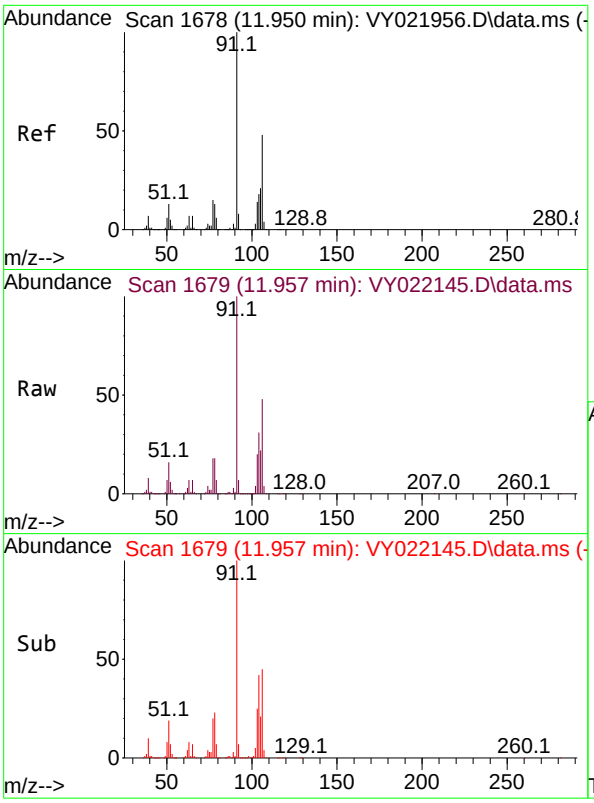


#68
m/p-Xylenes
Concen: 104.029 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:106 Resp: 629353

Ion	Ratio	Lower	Upper
106	100		
91	196.7	156.2	234.2



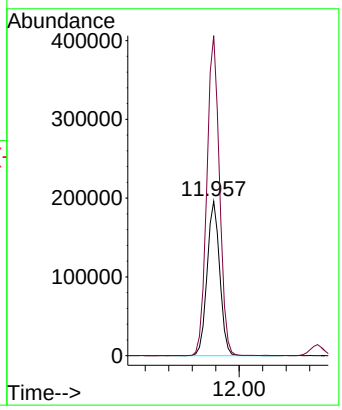


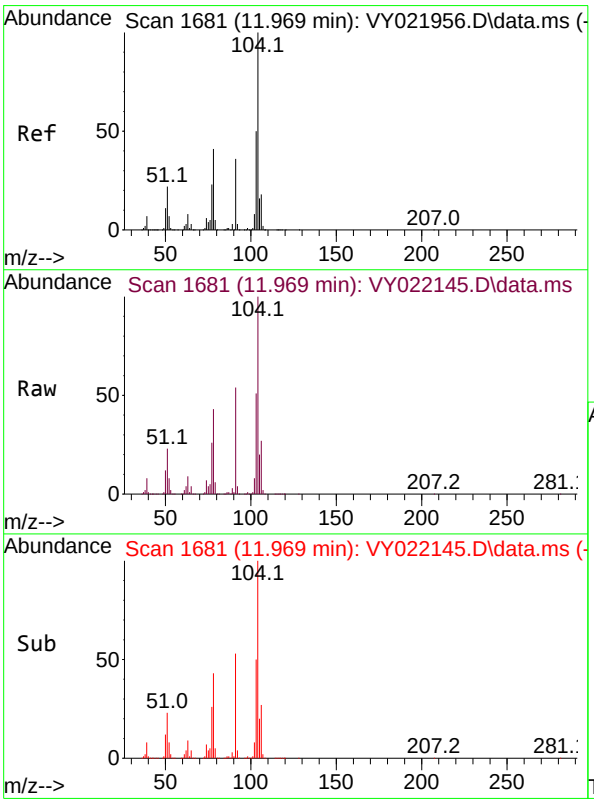
#69
o-Xylene
Concen: 52.398 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 292170

Ion	Ratio	Lower	Upper
106	100		
91	207.6	103.0	308.9

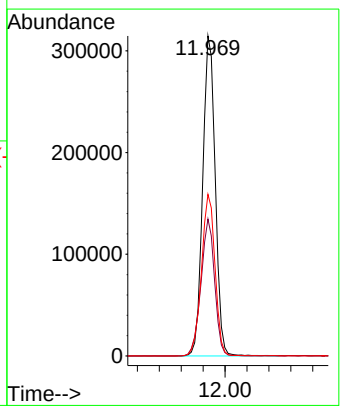


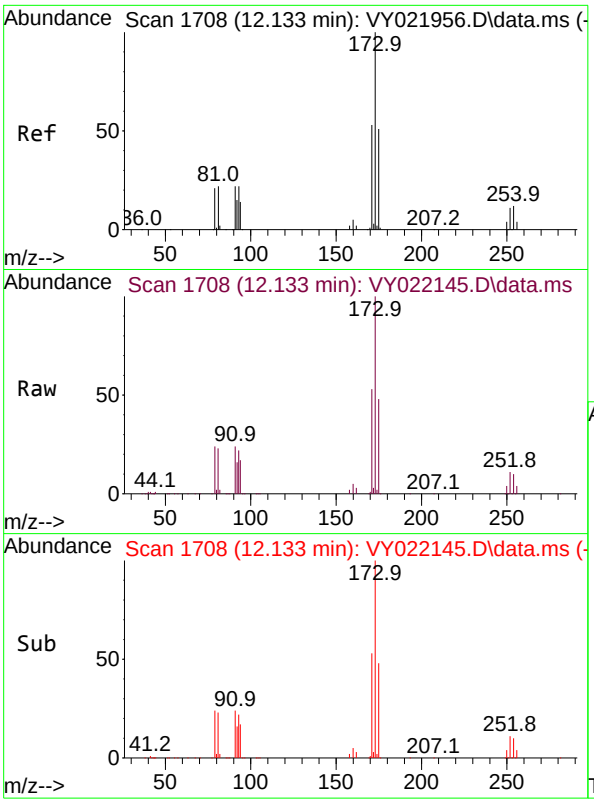


#70
Styrene
Concen: 53.321 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:104 Resp: 499203

Ion	Ratio	Lower	Upper
104	100		
78	46.4	36.6	54.8
103	54.6	43.8	65.8



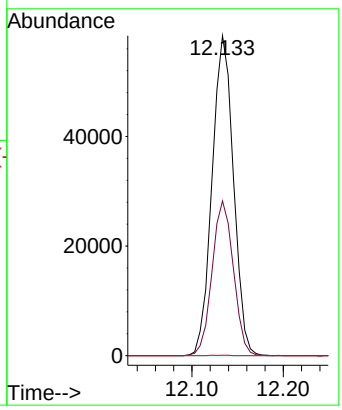


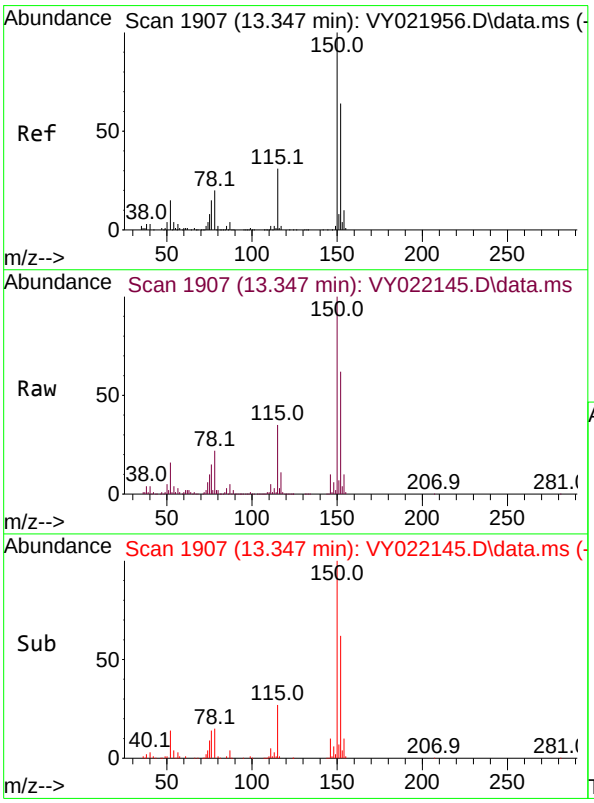
#71
Bromoform
Concen: 49.915 ug/l
RT: 12.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 94954

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.8
254	0.1	0.0	0.0#

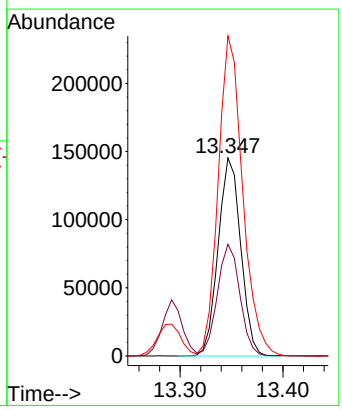


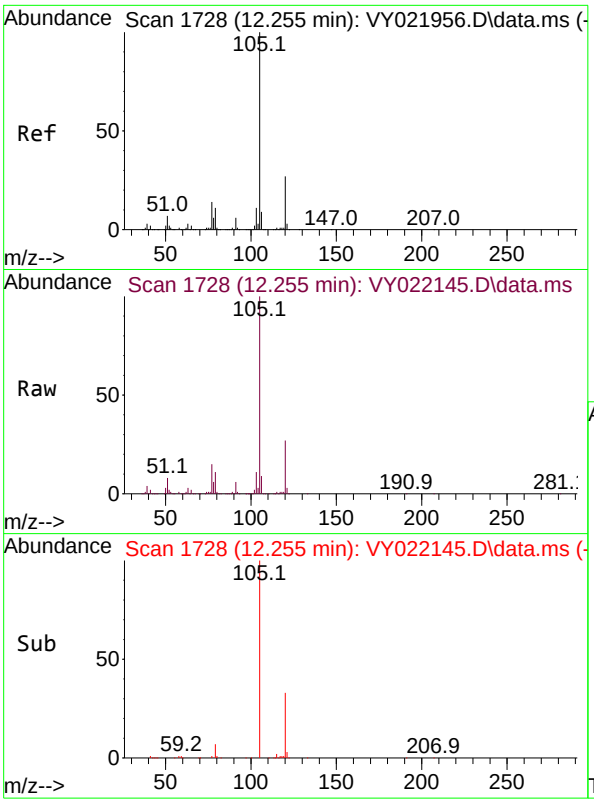


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:152 Resp: 221579

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	174.9	0.0	345.6



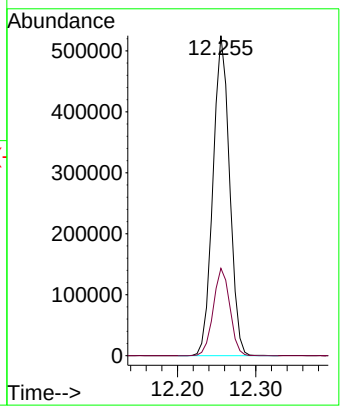


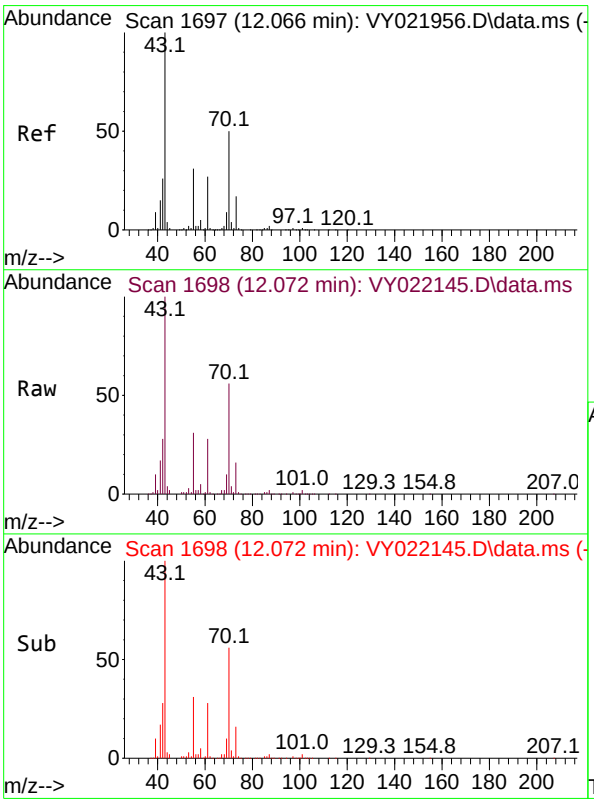
#73
Isopropylbenzene
Concen: 52.254 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 773553

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5

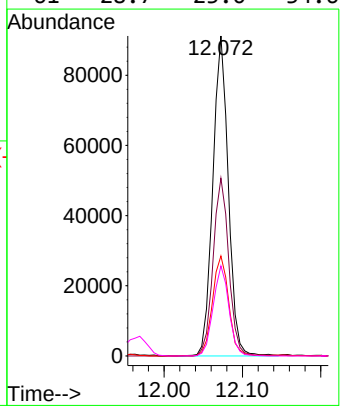


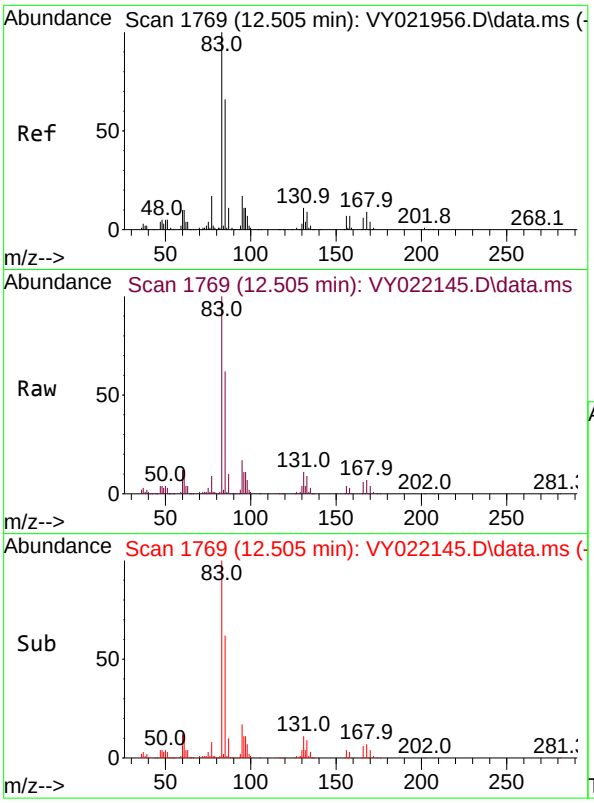


#74
N-amyl acetate
Concen: 49.288 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 43 Resp: 125362

Ion	Ratio	Lower	Upper
43	100		
70	56.5	43.2	64.8
55	32.9	25.7	38.5
61	28.7	23.0	34.6



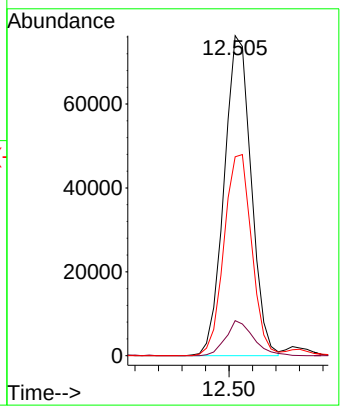


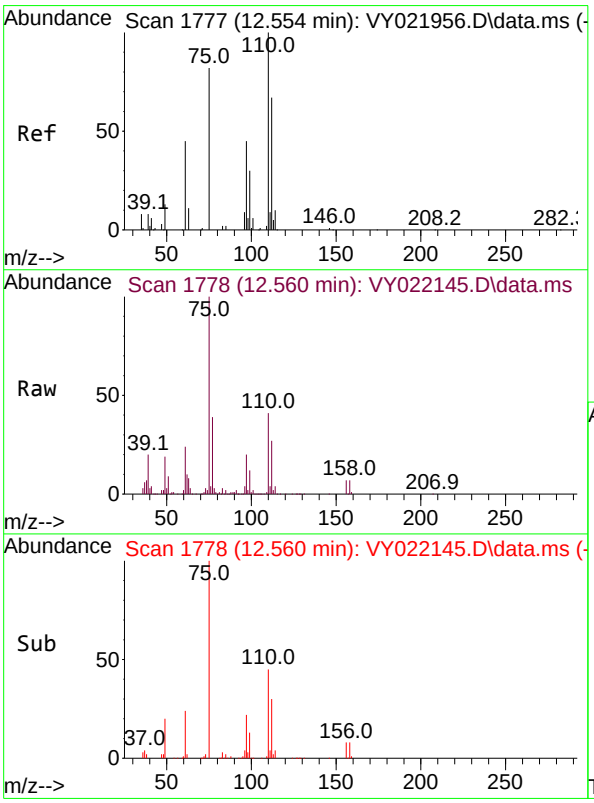
#75
1,1,2,2-Tetrachloroethane
Concen: 48.871 ug/l
RT: 12.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 121976

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.3	32.3	96.8

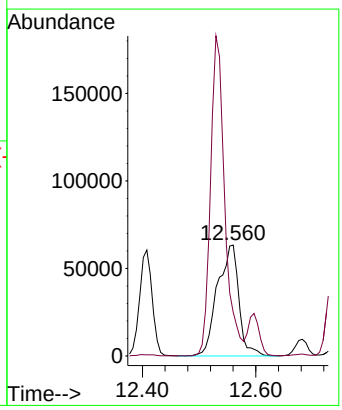


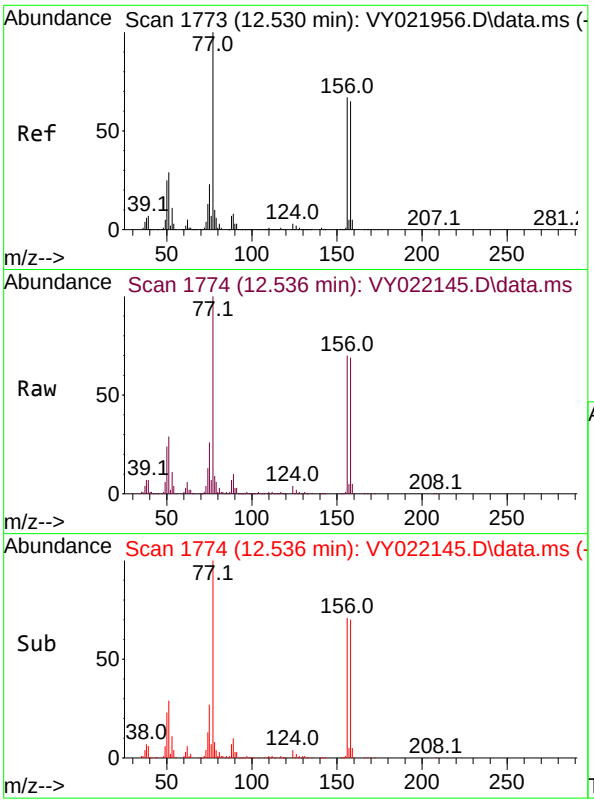


#76
1,2,3-Trichloropropane
Concen: 87.520 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 166108

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



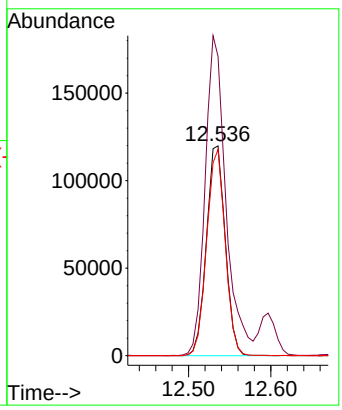


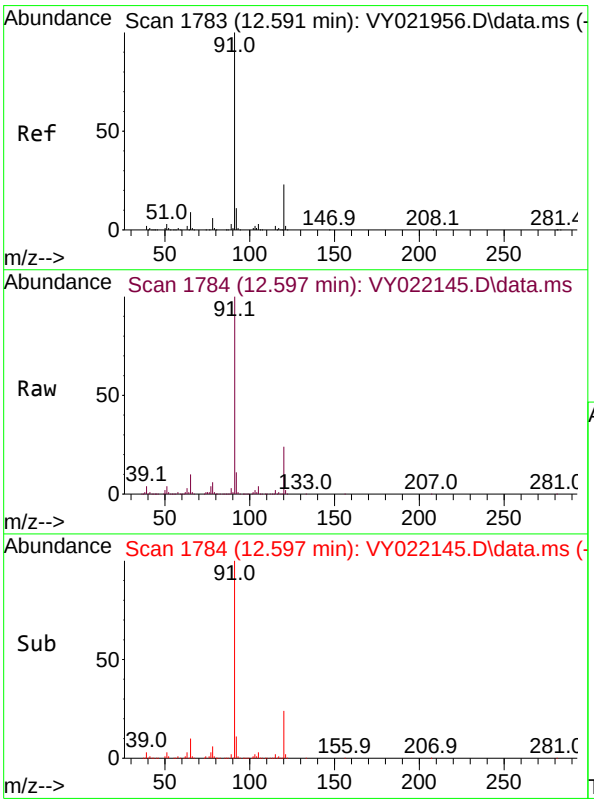
#77
Bromobenzene
Concen: 51.057 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 190990

Ion	Ratio	Lower	Upper
156	100		
77	167.9	82.7	248.1
158	96.5	48.1	144.4

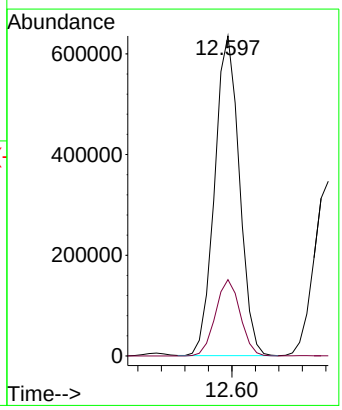


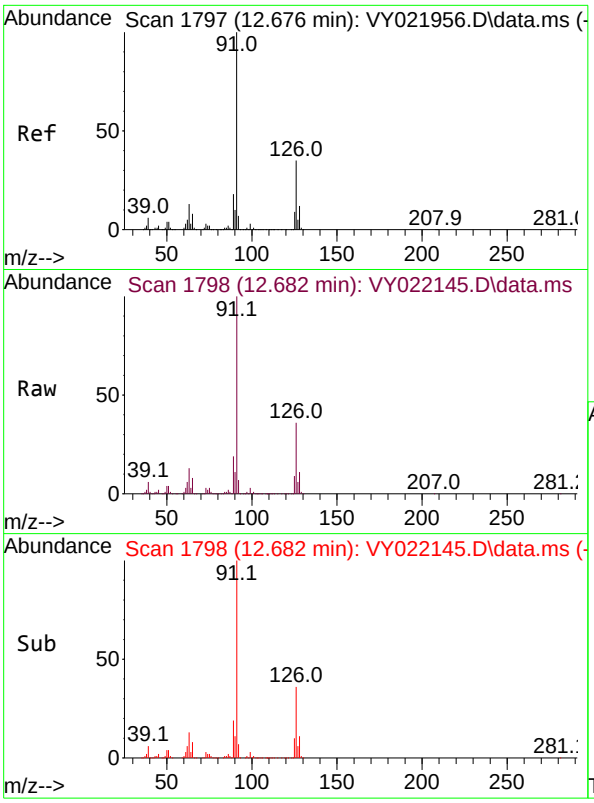


#78
n-propylbenzene
Concen: 52.656 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 91 Resp: 928299

Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5



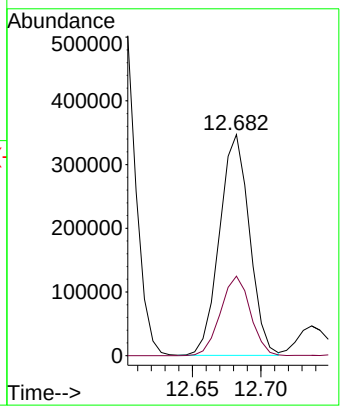


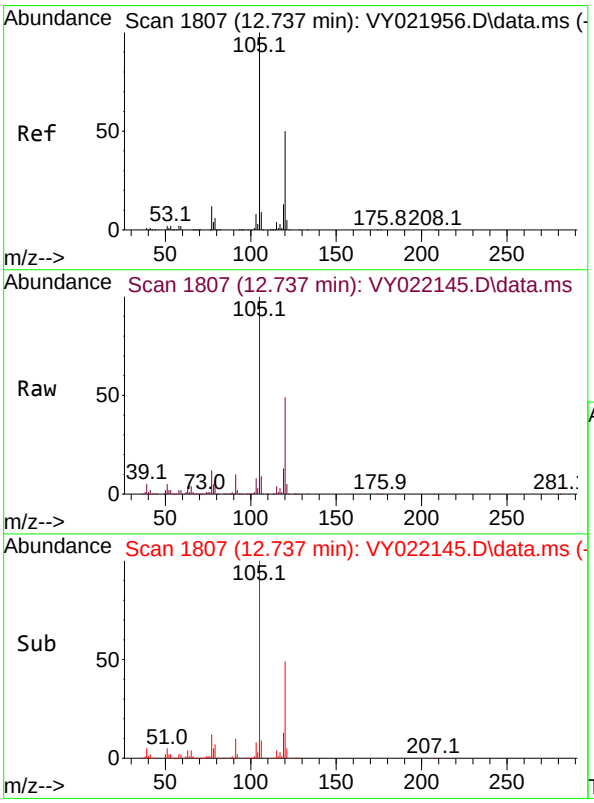
#79
2-Chlorotoluene
Concen: 51.489 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 527905

Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8

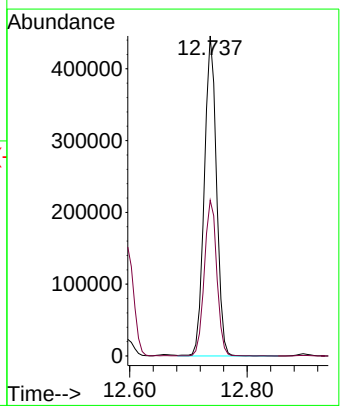


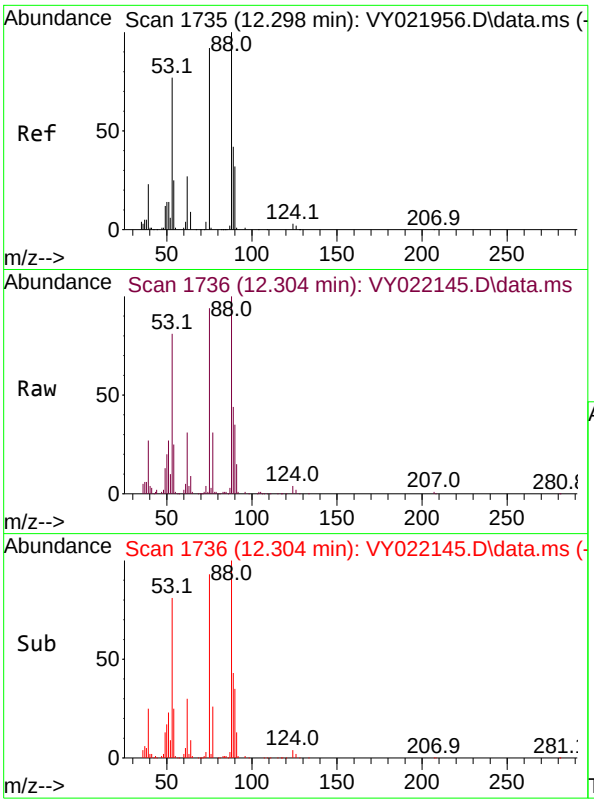


#80
1,3,5-Trimethylbenzene
Concen: 52.733 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:105 Resp: 643214

Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.0	75.0



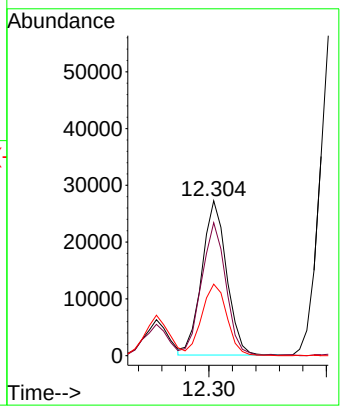


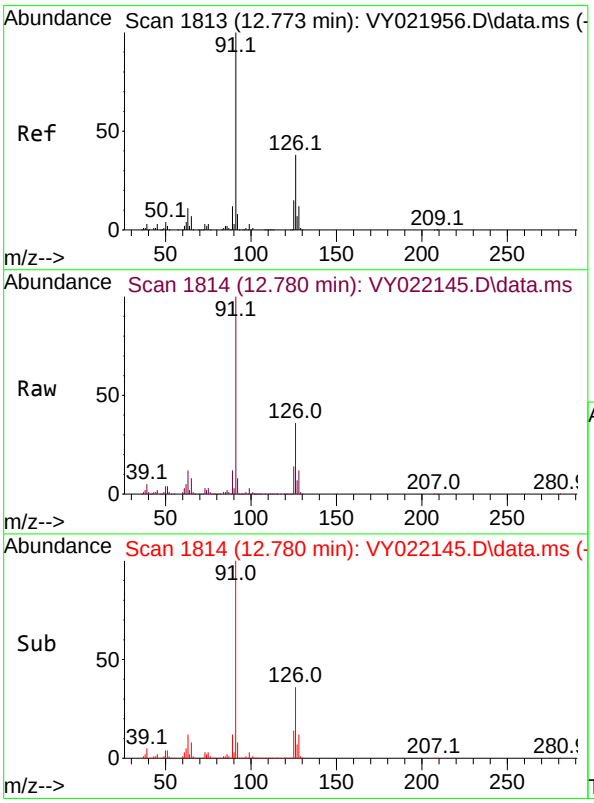
#81
trans-1,4-Dichloro-2-butene
Concen: 50.520 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 39816

Ion	Ratio	Lower	Upper
75	100		
53	84.0	66.0	99.0
89	47.1	37.2	55.8

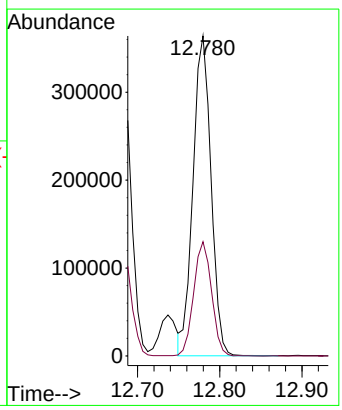


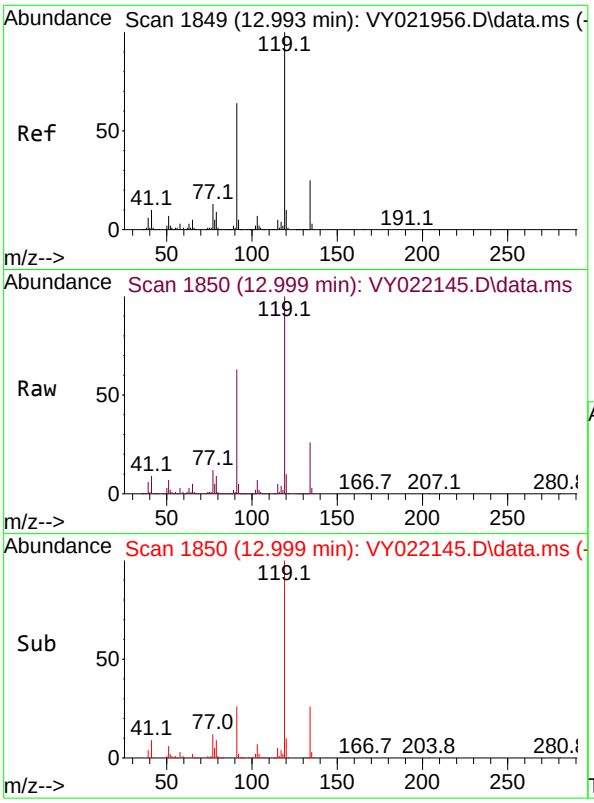


#82
4-Chlorotoluene
Concen: 51.909 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 91 Resp: 553248

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.8



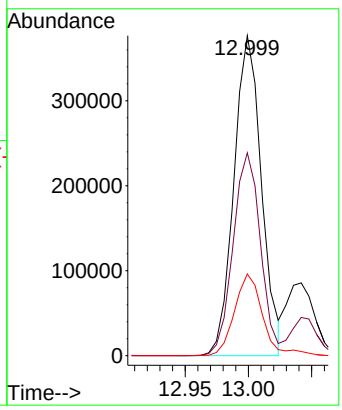


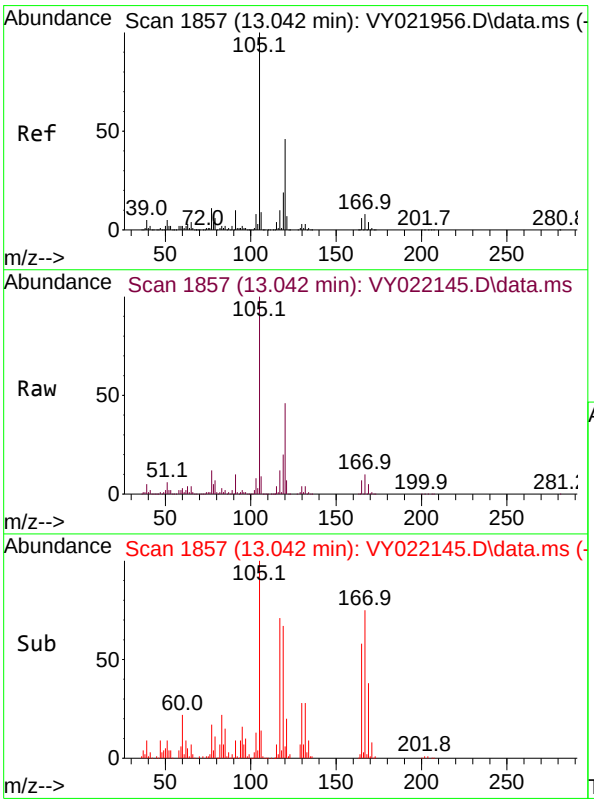
#83
tert-Butylbenzene
Concen: 52.224 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 571296

Ion	Ratio	Lower	Upper
119	100		
91	62.8	30.3	90.9
134	26.2	12.9	38.7

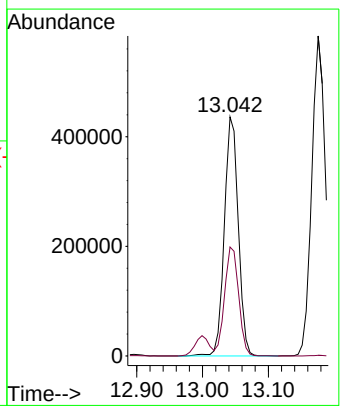


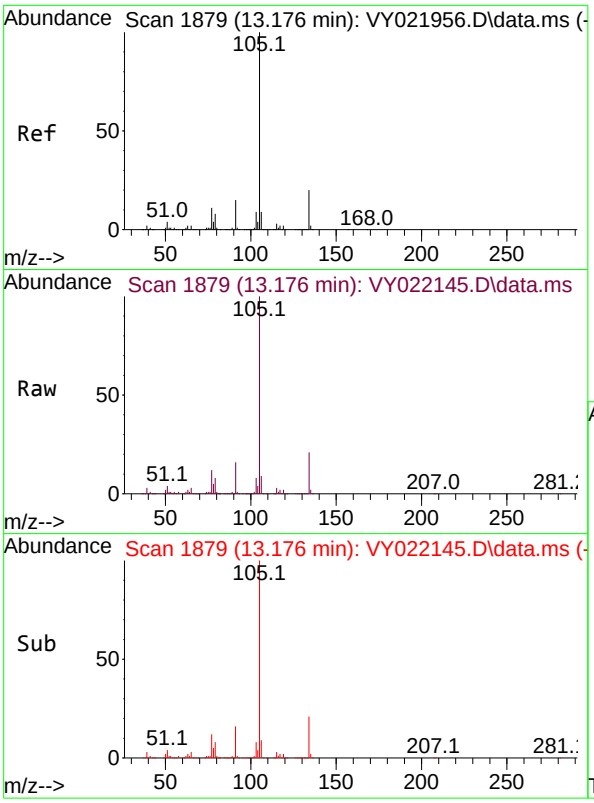


#84
1,2,4-Trimethylbenzene
Concen: 52.705 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:105 Resp: 643015

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0



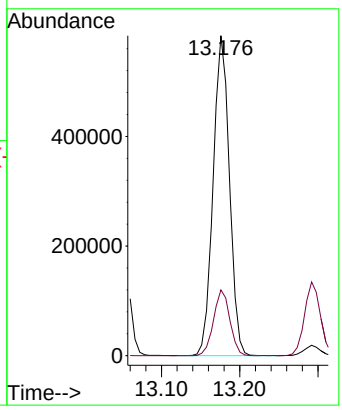


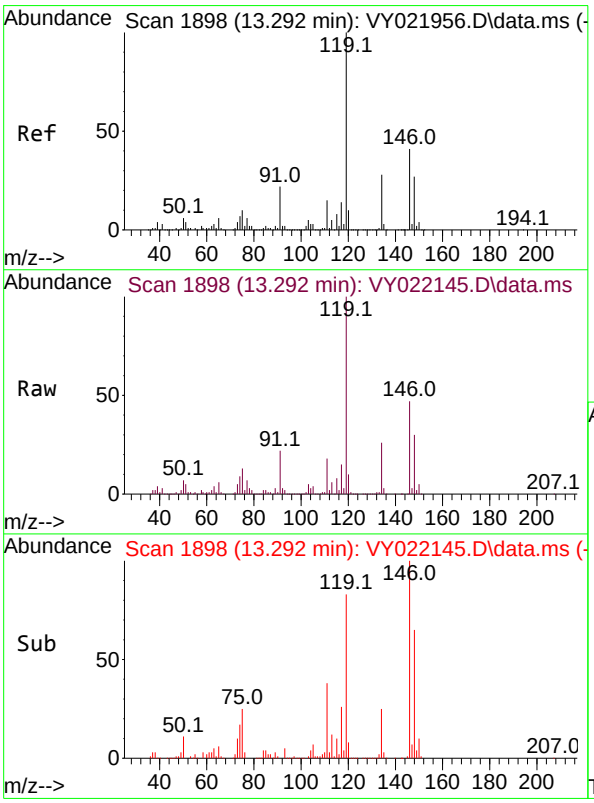
#85
sec-Butylbenzene
Concen: 52.666 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 843051

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

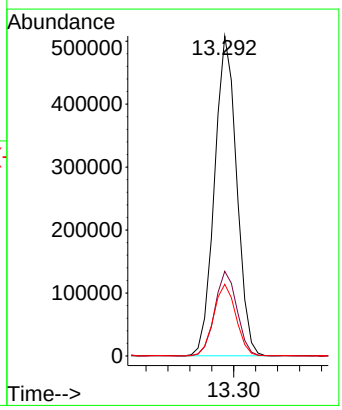


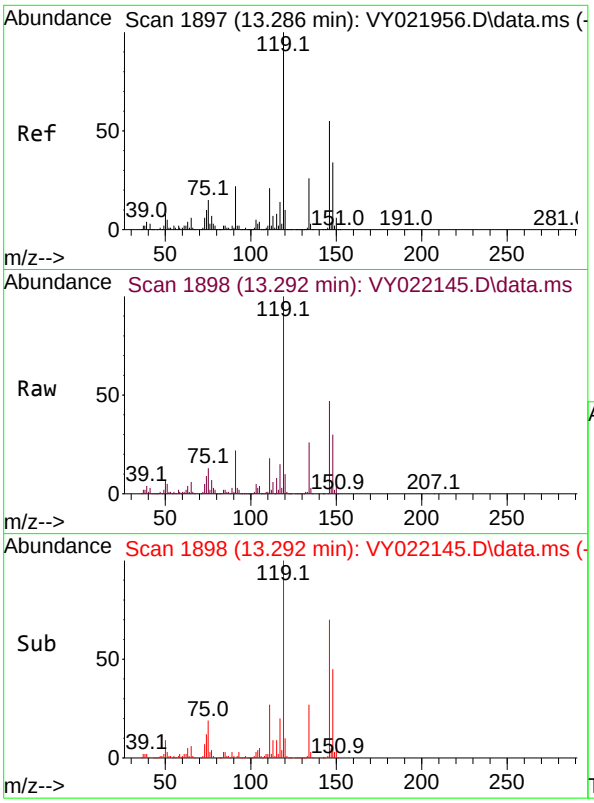


#86
p-Isopropyltoluene
Concen: 52.460 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:119 Resp: 713078

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.6	40.7
91	22.4	11.0	33.0



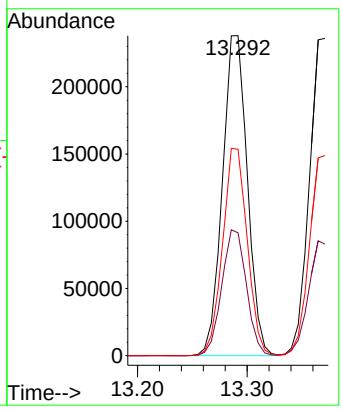


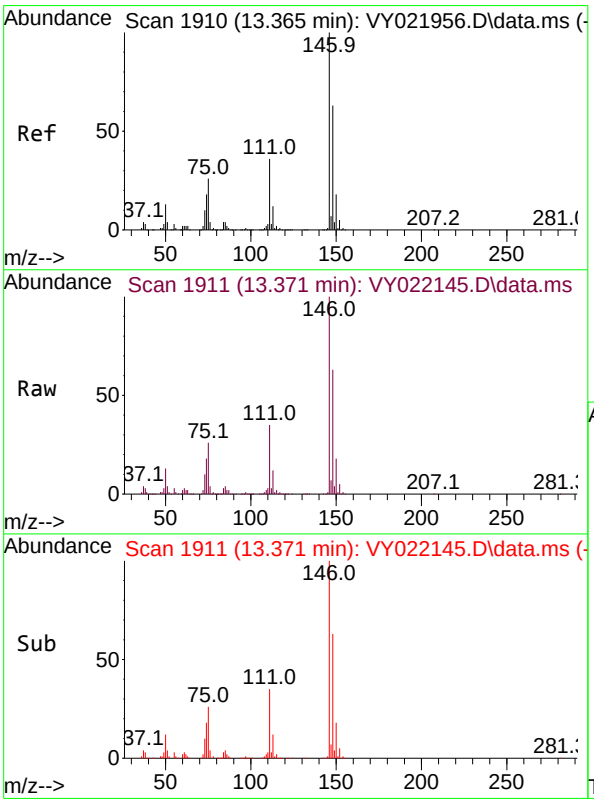
#87
1,3-Dichlorobenzene
Concen: 49.477 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 375900

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.5
148	64.1	32.0	96.2

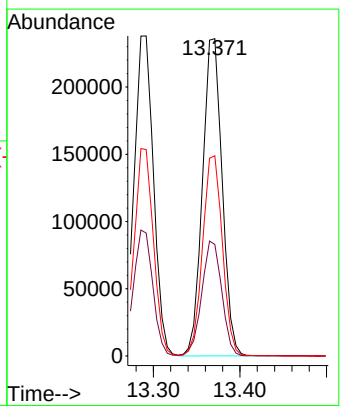


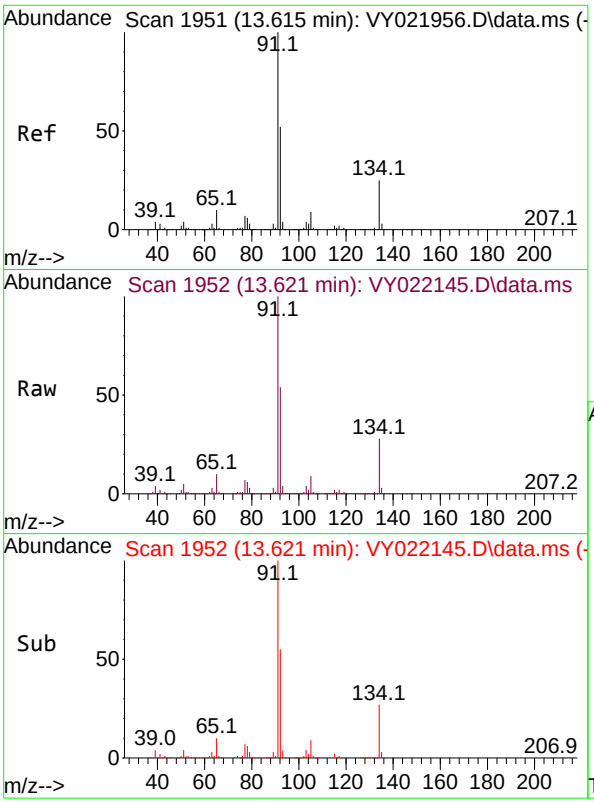


#88
1,4-Dichlorobenzene
Concen: 49.489 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:146 Resp: 372381

Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.2	57.6
148	63.5	32.0	96.0



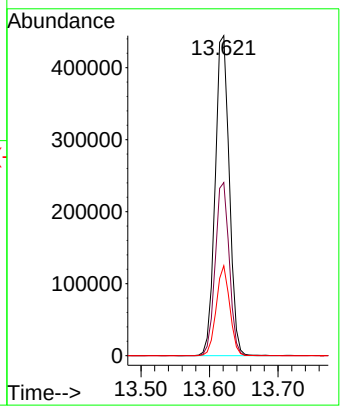


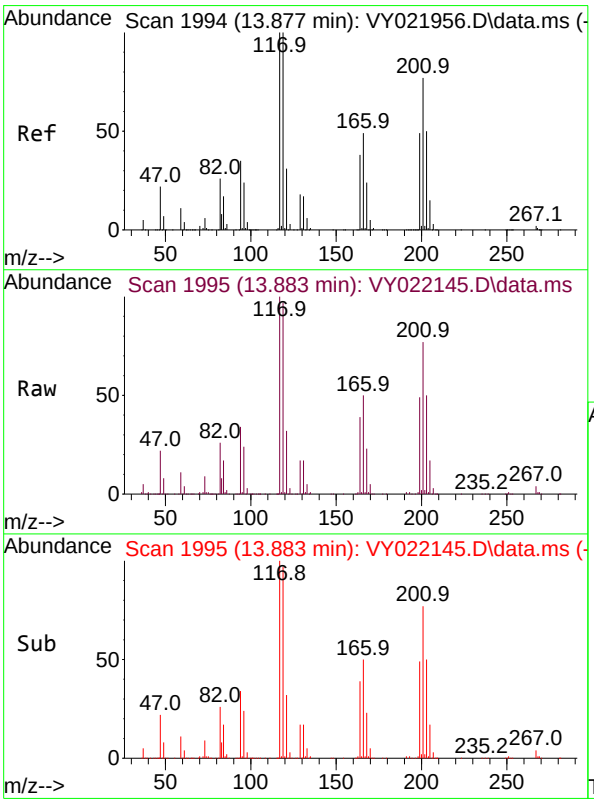
#89
n-Butylbenzene
Concen: 52.205 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 634275

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.5	79.5
134	26.9	13.4	40.1

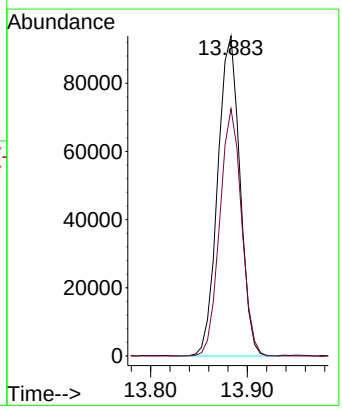


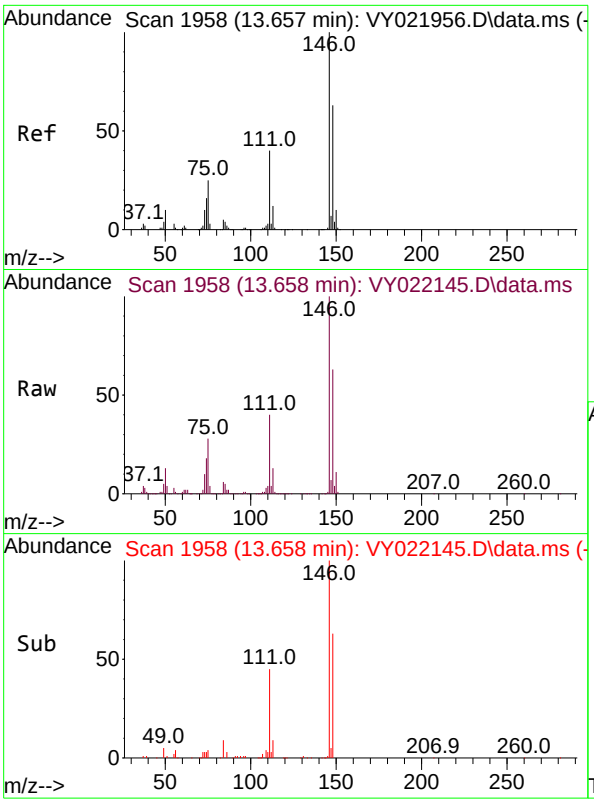


#90
Hexachloroethane
Concen: 50.010 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:117 Resp: 149353

Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.7	116.1



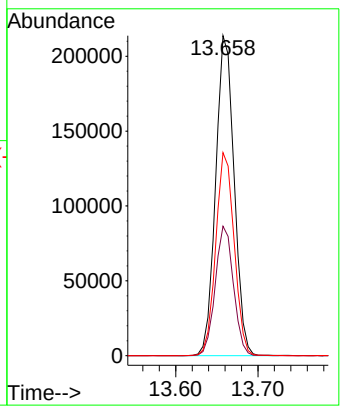


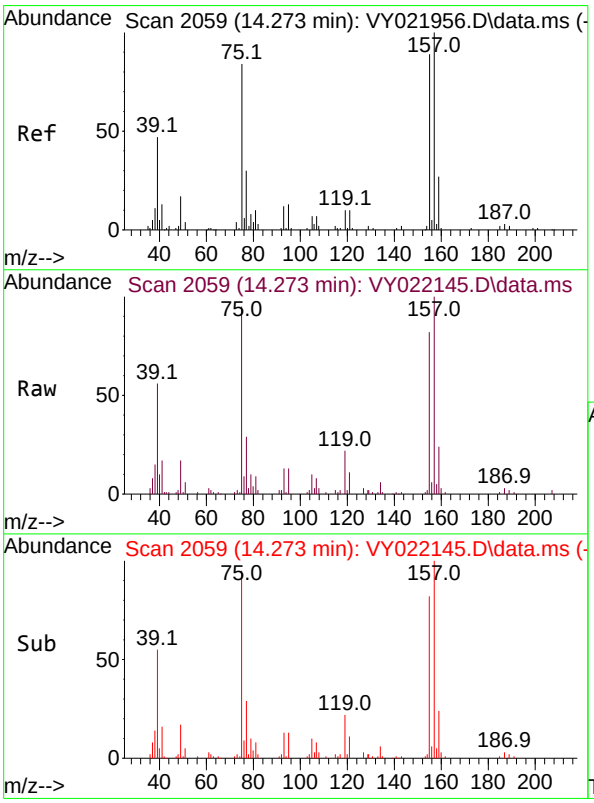
#91
1,2-Dichlorobenzene
Concen: 50.315 ug/l
RT: 13.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 333414

Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	63.4	32.1	96.3

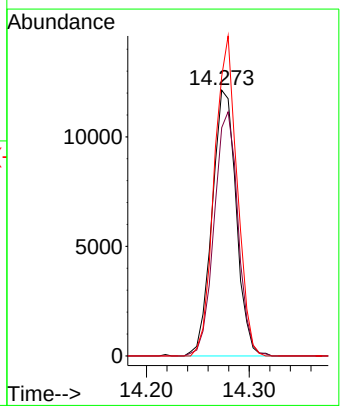


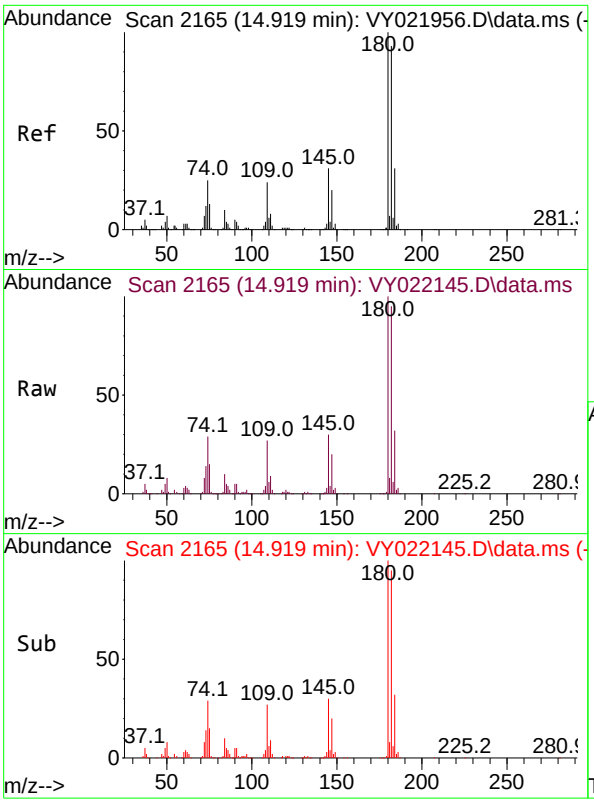


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.642 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion: 75 Resp: 19712

Ion	Ratio	Lower	Upper
75	100		
155	90.6	50.7	152.3
157	113.2	62.6	187.8



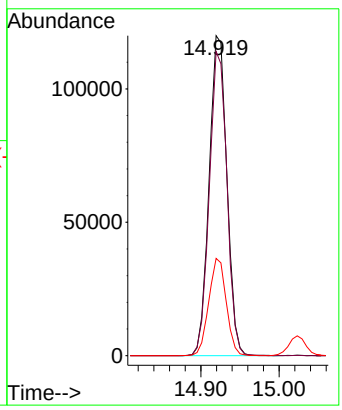


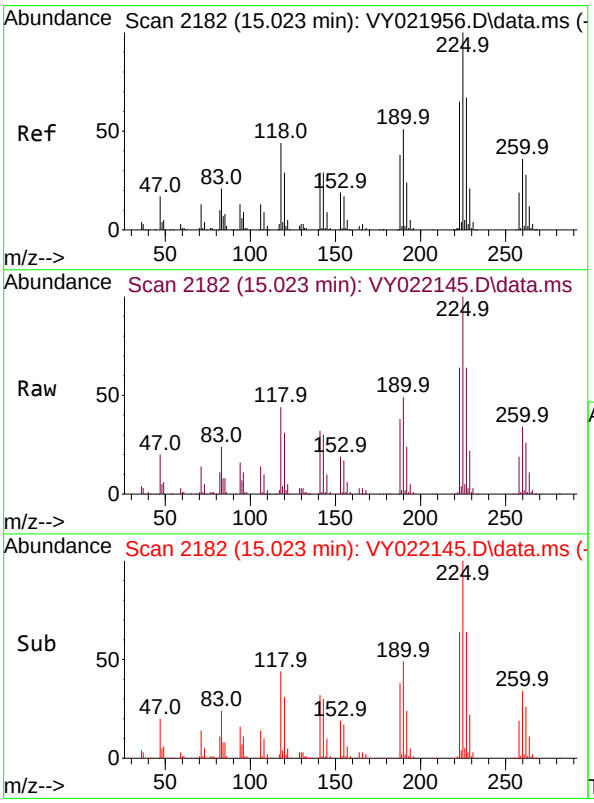
#93
1,2,4-Trichlorobenzene
Concen: 50.241 ug/l
RT: 14.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 188657

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.1	141.4
145	30.0	15.0	45.0

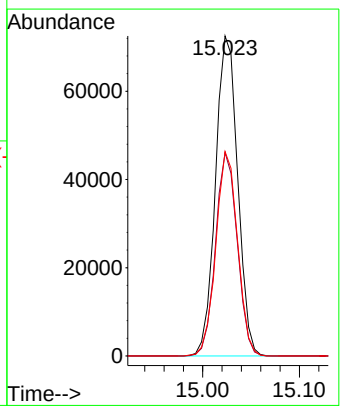


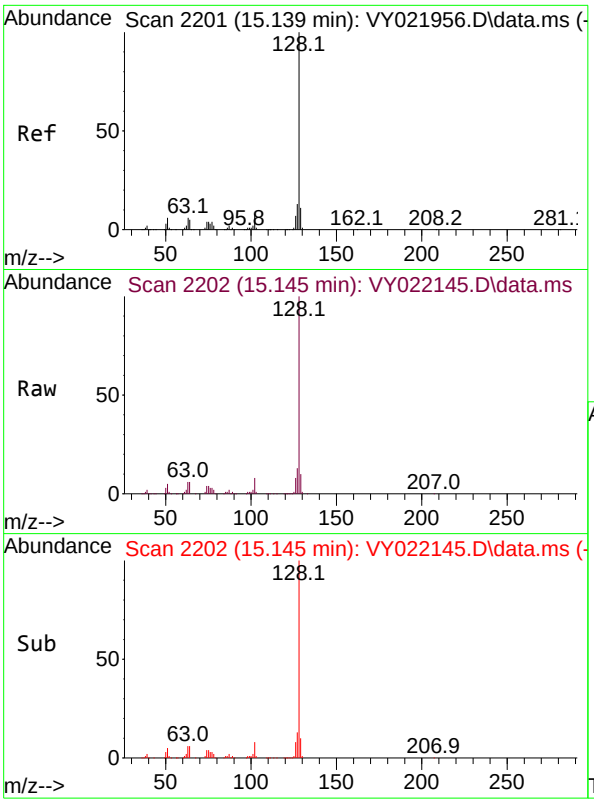


#94
Hexachlorobutadiene
Concen: 49.910 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:225 Resp: 115309

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.9	95.5
227	62.5	32.3	96.9



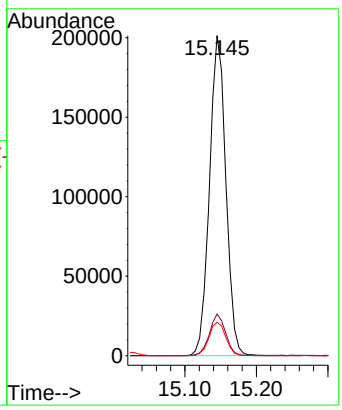


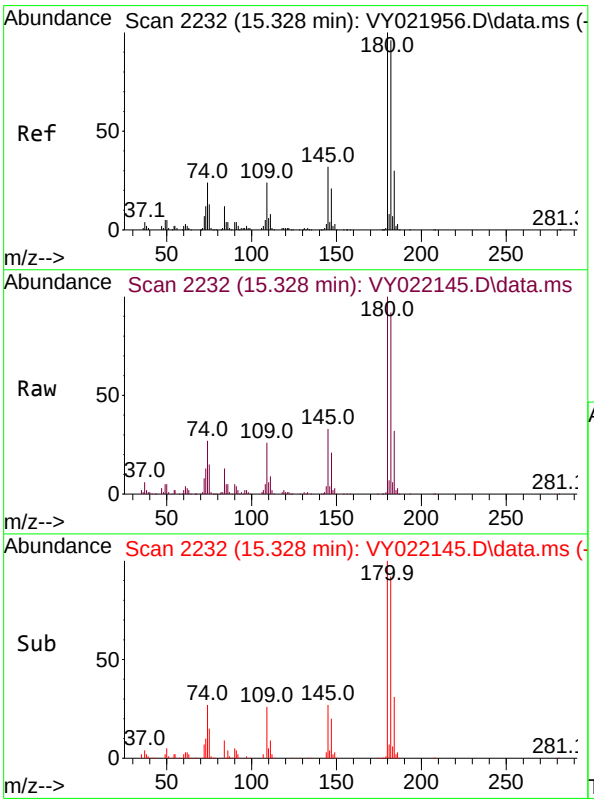
#95
Naphthalene
Concen: 51.336 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 320223

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.9	13.3

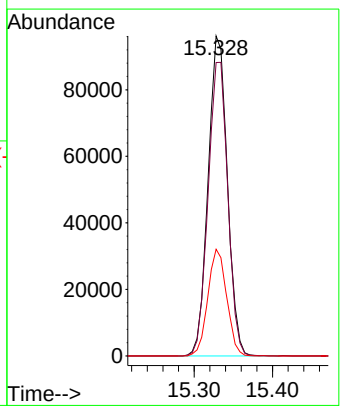




#96
1,2,3-Trichlorobenzene
Concen: 50.599 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022145.D
Acq: 05 May 2025 08:46

Tgt Ion:180 Resp: 164013

Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.1	144.4
145	32.6	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	283597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	395977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	212383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	130743	49.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.820%			
35) Dibromofluoromethane	7.634	113	142785	49.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.780%			
50) Toluene-d8	10.109	98	533457	48.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.880%			
62) 4-Bromofluorobenzene	12.408	95	183926	50.125	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45521	18.837	ug/l	99
3) Chloromethane	2.068	50	68631	19.946	ug/l	97
4) Vinyl Chloride	2.202	62	83953	19.855	ug/l	98
5) Bromomethane	2.592	94	80640	22.136	ug/l	99
6) Chloroethane	2.732	64	59493	20.659	ug/l	96
7) Trichlorofluoromethane	3.056	101	114277	20.496	ug/l	96
8) Diethyl Ether	3.452	74	27528	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	62536	20.675	ug/l	99
10) Methyl Iodide	4.007	142	62685	17.900	ug/l	98
11) Tert butyl alcohol	4.884	59	13817	96.078	ug/l	97
12) 1,1-Dichloroethene	3.793	96	56505	20.042	ug/l	99
13) Acrolein	3.653	56	12255	47.479	ug/l	100
14) Allyl chloride	4.385	41	64034	19.506	ug/l	99
15) Acrylonitrile	5.061	53	50219	94.524	ug/l	99
16) Acetone	3.872	43	36620	93.425	ug/l	98
17) Carbon Disulfide	4.104	76	172376	19.176	ug/l	99
18) Methyl Acetate	4.391	43	24946	20.387	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	122495	19.413	ug/l	94
20) Methylene Chloride	4.616	84	61860	18.676	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	62716	19.863	ug/l	99
22) Diisopropyl ether	6.018	45	147220	20.152	ug/l	95
23) Vinyl Acetate	5.964	43	381169	96.815	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102019	20.147	ug/l	99
25) 2-Butanone	6.902	43	55008	92.124	ug/l	97
26) 2,2-Dichloropropane	6.884	77	93959	21.170	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	70002	19.828	ug/l	99
28) Bromochloromethane	7.250	49	40301	20.490	ug/l	100
29) Tetrahydrofuran	7.268	42	36635	94.466	ug/l	100
30) Chloroform	7.421	83	113922	20.282	ug/l	99
31) Cyclohexane	7.707	56	85669	19.784	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	105659	20.792	ug/l	100
36) 1,1-Dichloropropene	7.835	75	79161	20.383	ug/l	99
37) Ethyl Acetate	6.982	43	26192	18.778	ug/l	99
38) Carbon Tetrachloride	7.817	117	97921	21.100	ug/l	99
39) Methylcyclohexane	9.109	83	96393	19.723	ug/l	96
40) Benzene	8.079	78	245125	20.191	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13405	17.581	ug/l		90
42) 1,2-Dichloroethane	8.158	62	63069	20.983	ug/l		100
43) Isopropyl Acetate	8.201	43	51461	19.211	ug/l		98
44) Trichloroethene	8.865	130	69699	20.727	ug/l		99
45) 1,2-Dichloropropane	9.146	63	54540	20.315	ug/l		99
46) Dibromomethane	9.237	93	33746	20.079	ug/l		99
47) Bromodichloromethane	9.426	83	86130	20.515	ug/l		97
48) Methyl methacrylate	9.225	41	23901	19.301	ug/l		97
49) 1,4-Dioxane	9.237	88	6413	358.012	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	134271	95.622	ug/l		100
52) Toluene	10.170	92	158982	20.231	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	72724	20.194	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	85689	20.017	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	45637	20.329	ug/l		98
56) Ethyl methacrylate	10.438	69	46887	18.264	ug/l		97
57) 1,3-Dichloropropane	10.719	76	72166	20.052	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	121659	96.924	ug/l		99
59) 2-Hexanone	10.761	43	86027	92.884	ug/l		97
60) Dibromochloromethane	10.914	129	60636	19.509	ug/l		97
61) 1,2-Dibromoethane	11.018	107	41480	19.572	ug/l		100
64) Tetrachloroethene	10.652	164	79383	21.251	ug/l		95
65) Chlorobenzene	11.444	112	177439	20.038	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	62480	20.042	ug/l		98
67) Ethyl Benzene	11.524	91	284474	19.639	ug/l		100
68) m/p-Xylenes	11.627	106	232280	40.298	ug/l		99
69) o-Xylene	11.956	106	105732	19.902	ug/l		99
70) Styrene	11.969	104	176830	19.824	ug/l		99
71) Bromoform	12.133	173	34946	19.281	ug/l	#	99
73) Isopropylbenzene	12.255	105	276933	19.517	ug/l		99
74) N-amyl acetate	12.072	43	43915	18.014	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	45282	18.928	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	62030	34.098	ug/l	#	100
77) Bromobenzene	12.536	156	69315	19.332	ug/l		96
78) n-propylbenzene	12.597	91	338881	20.055	ug/l		100
79) 2-Chlorotoluene	12.682	91	195791	19.923	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	235339	20.129	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	14546	19.255	ug/l		98
82) 4-Chlorotoluene	12.779	91	206233	20.188	ug/l		99
83) tert-Butylbenzene	12.999	119	201521	19.219	ug/l		97
84) 1,2,4-Trimethylbenzene	13.042	105	234406	20.045	ug/l		98
85) sec-Butylbenzene	13.176	105	307501	20.041	ug/l		100
86) p-Isopropyltoluene	13.291	119	260054	19.960	ug/l		98
87) 1,3-Dichlorobenzene	13.291	146	142760	19.604	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	140689	19.507	ug/l		100
89) n-Butylbenzene	13.621	91	227203	19.510	ug/l		100
90) Hexachloroethane	13.883	117	57209	19.985	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	123286	19.410	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7469	19.624	ug/l		86
93) 1,2,4-Trichlorobenzene	14.925	180	66121	18.371	ug/l		97
94) Hexachlorobutadiene	15.023	225	43136	19.479	ug/l		100
95) Naphthalene	15.145	128	101830	17.031	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	57120	18.385	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

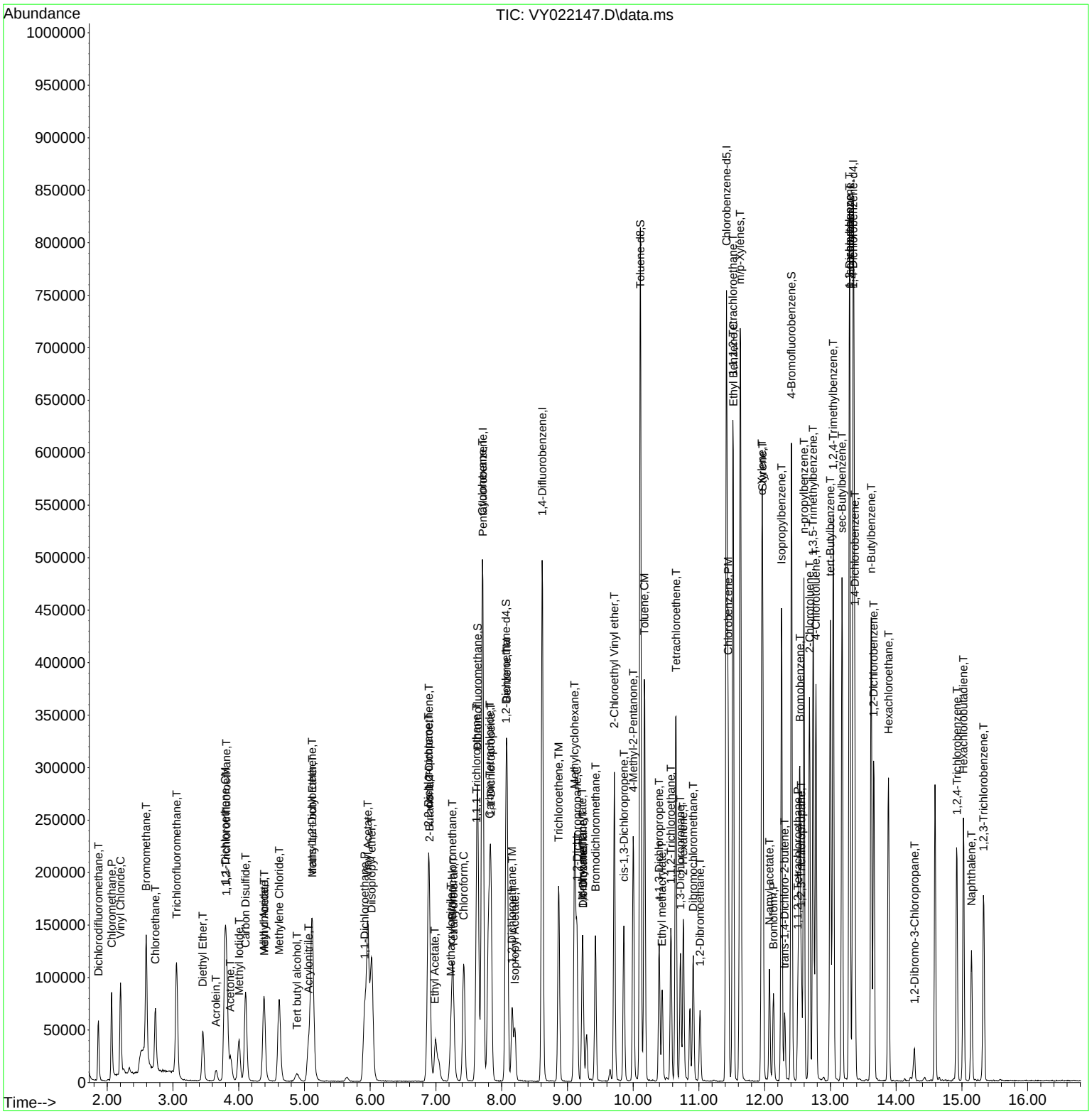
(#) = qualifier out of range (m) = manual integration (+) = signals summed

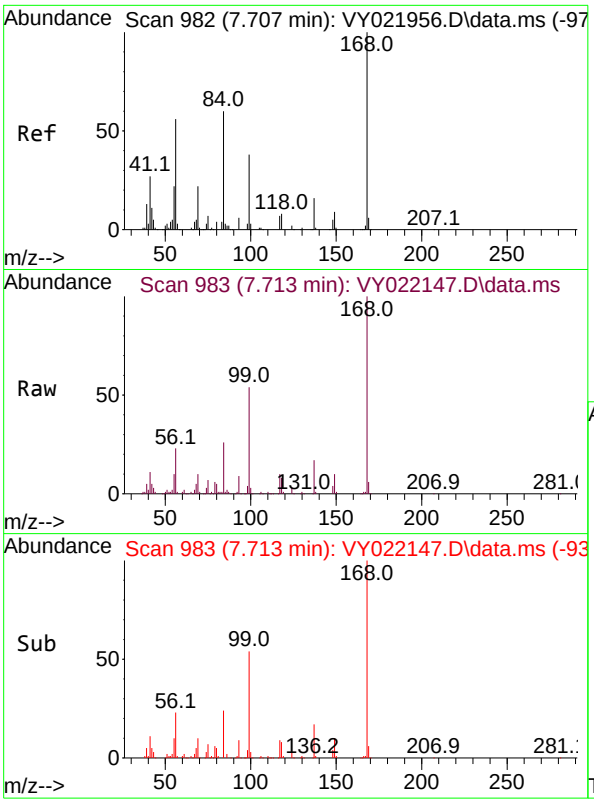
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022147.D
Acq On : 05 May 2025 09:55
Operator : SY/MD
Sample : VY0505SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Quant Time: May 06 05:19:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



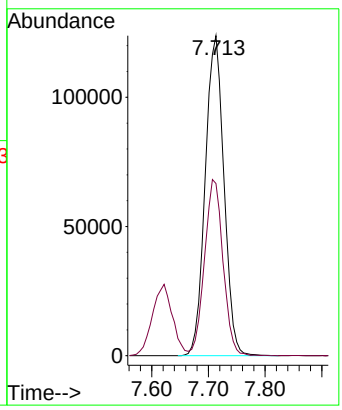


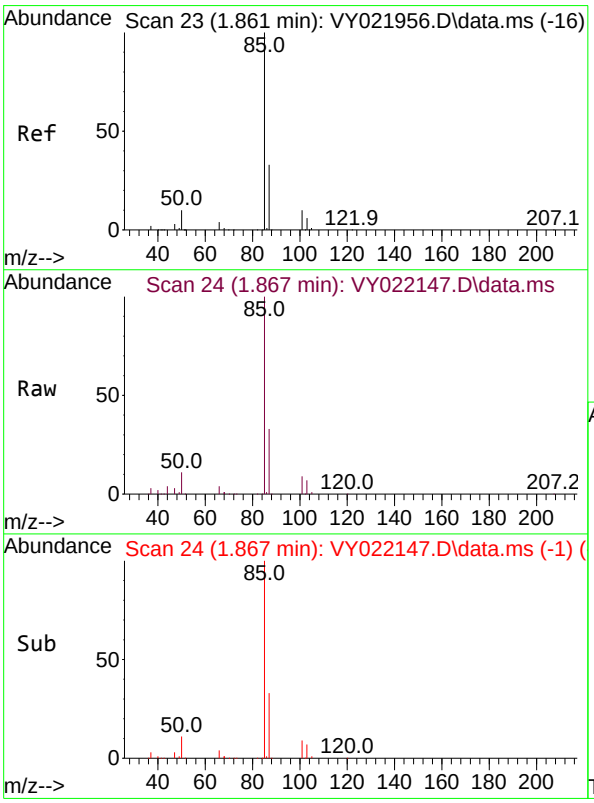
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:168 Resp: 283597

Ion	Ratio	Lower	Upper
168	100		
99	53.8	43.1	64.7

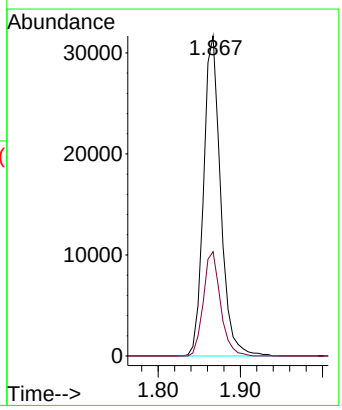


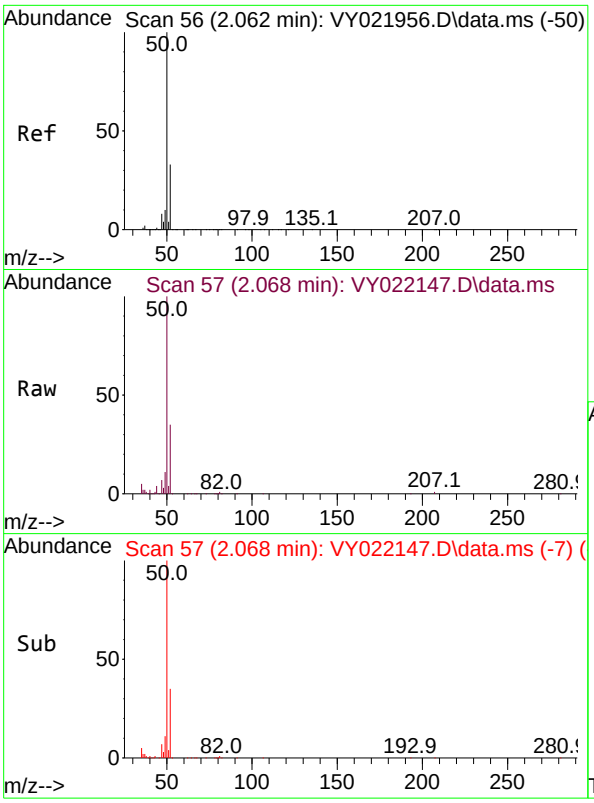


#2
Dichlorodifluoromethane
Concen: 18.837 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 85 Resp: 45521

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.6	49.7



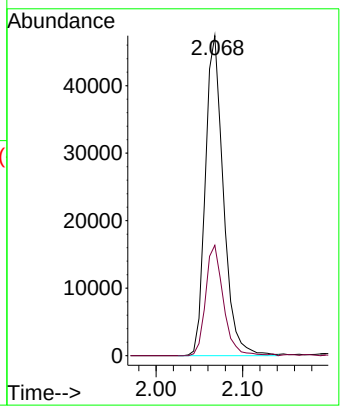


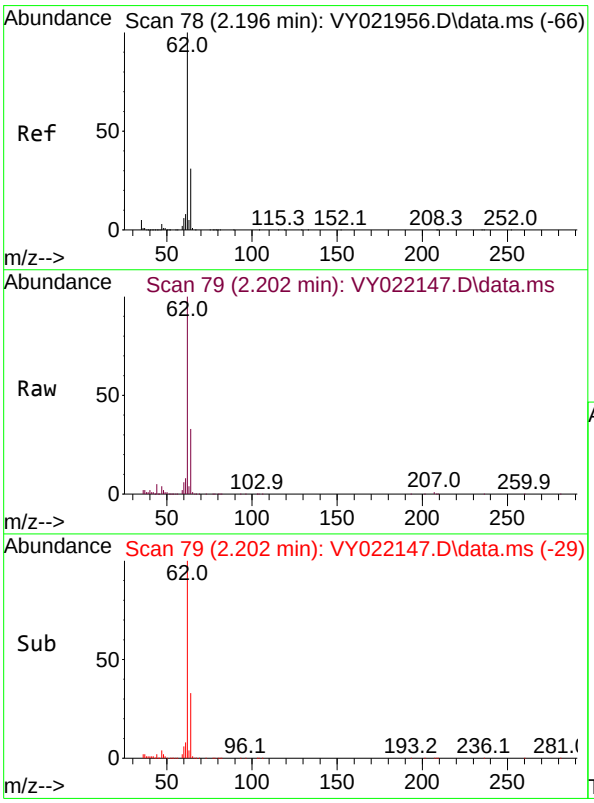
#3
Chloromethane
Concen: 19.946 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 50 Resp: 68631

Ion	Ratio	Lower	Upper
50	100		
52	34.5	26.1	39.1

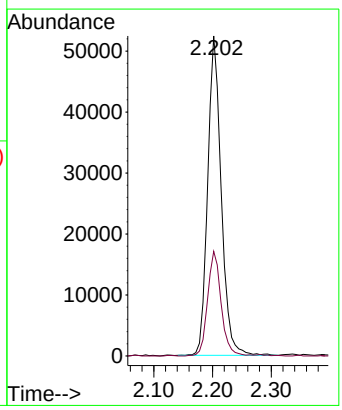


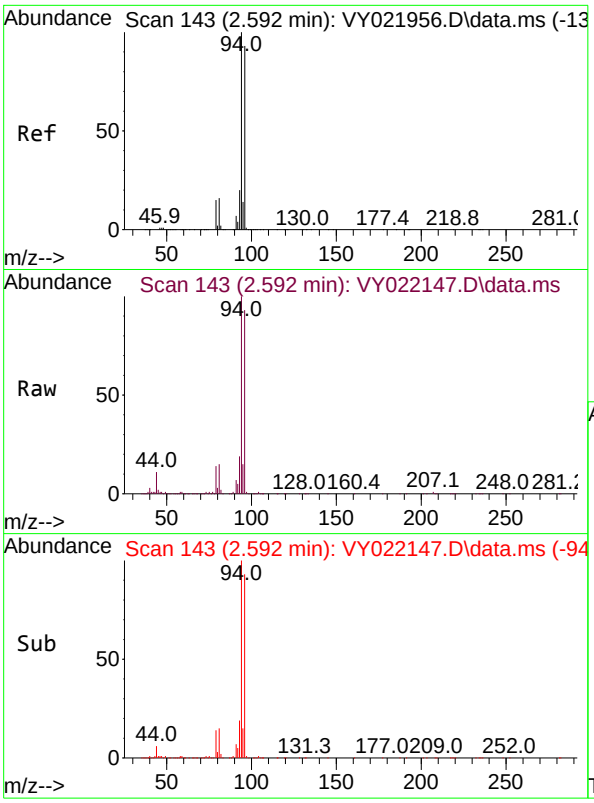


#4
Vinyl Chloride
Concen: 19.855 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 62 Resp: 83953

Ion	Ratio	Lower	Upper
62	100		
64	32.8	25.1	37.7



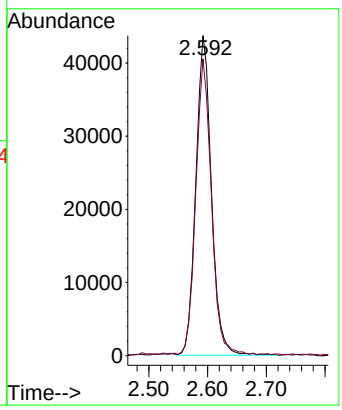


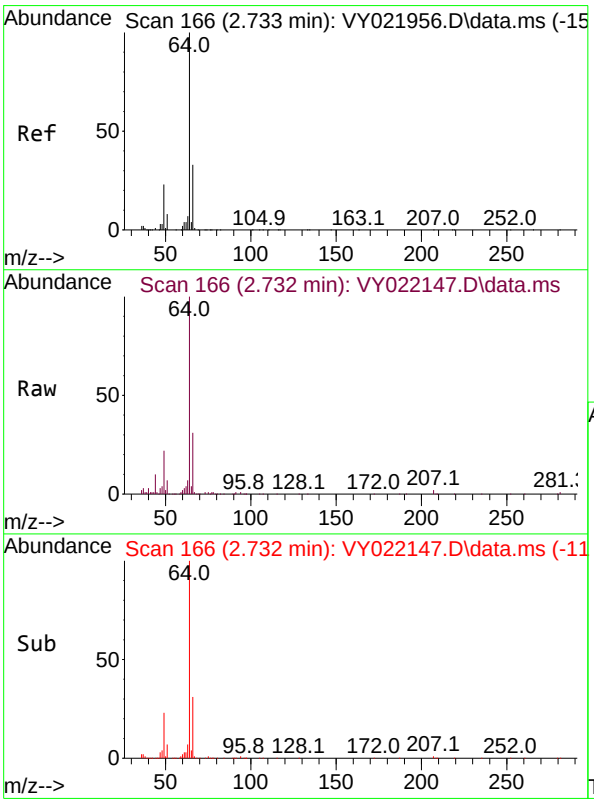
#5
Bromomethane
Concen: 22.136 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 94 Resp: 80640

Ion	Ratio	Lower	Upper
94	100		
96	92.5	74.6	111.8

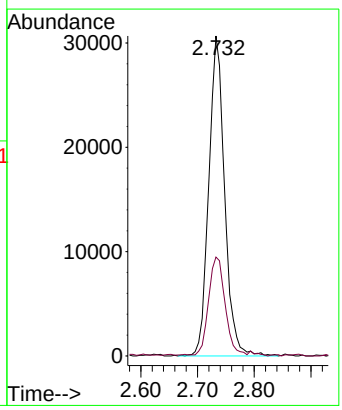


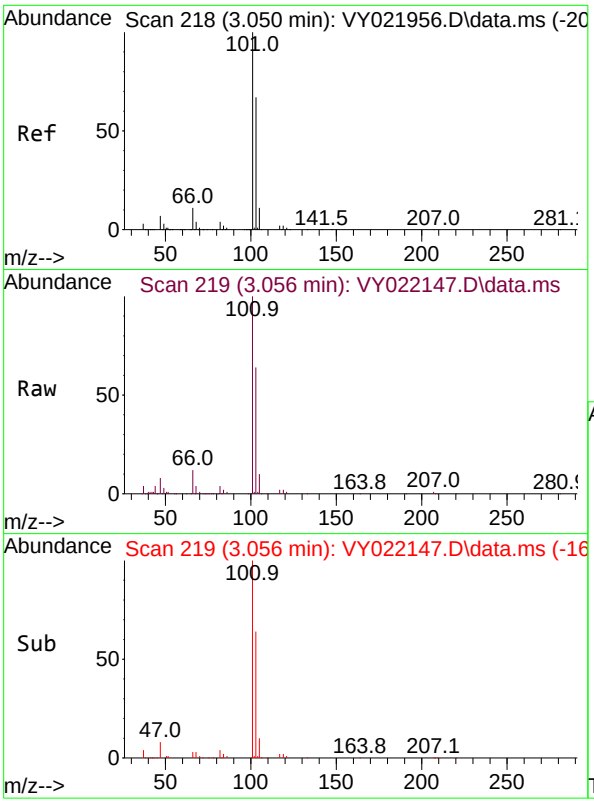


#6
Chloroethane
Concen: 20.659 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 64 Resp: 59493

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.2	39.4



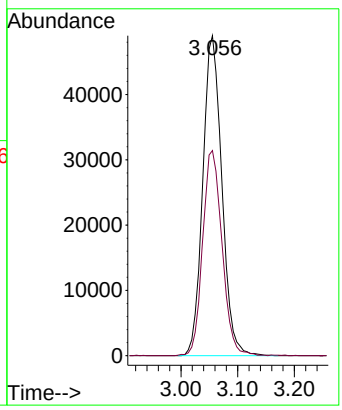


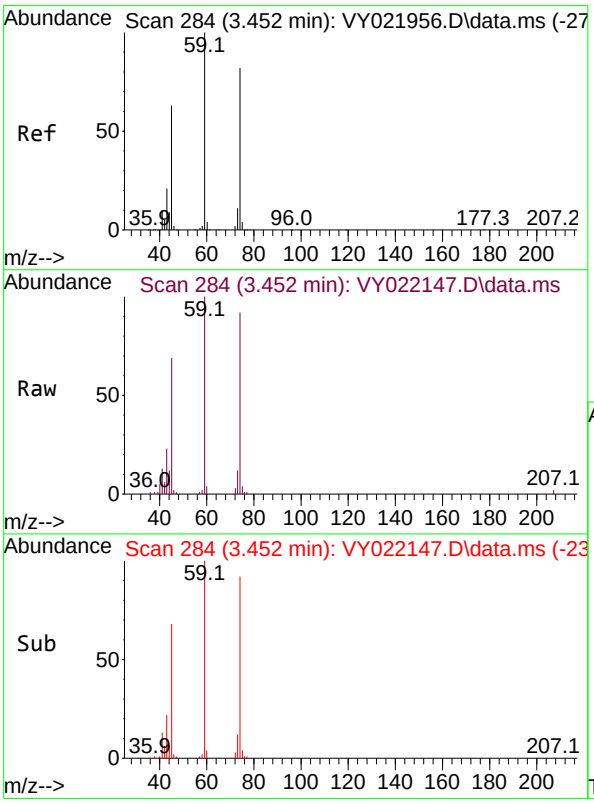
#7
Trichlorofluoromethane
Concen: 20.496 ug/l
RT: 3.056 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:101 Resp: 114277

Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.6	80.4

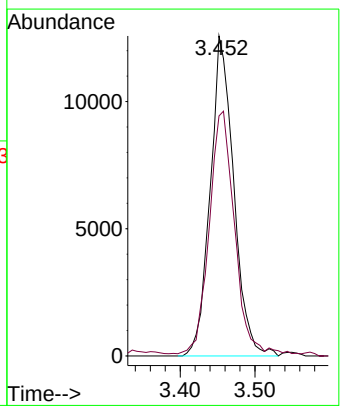


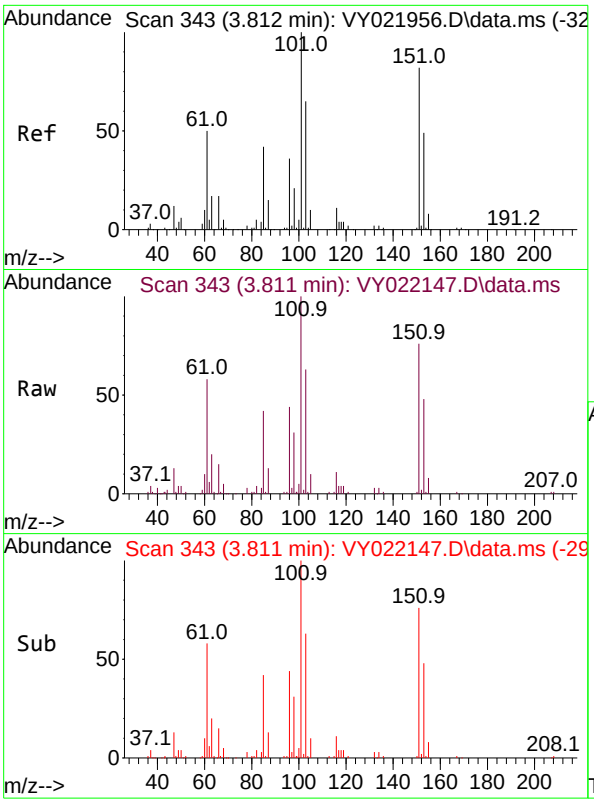


#8
Diethyl Ether
Concen: 18.969 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 74 Resp: 27528

Ion	Ratio	Lower	Upper
74	100		
45	81.1	39.1	117.5



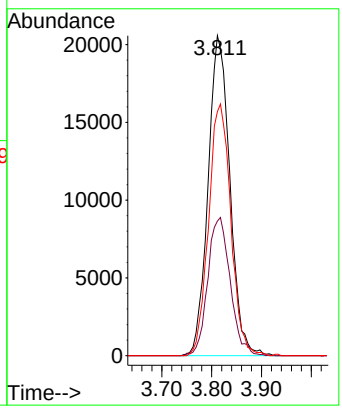


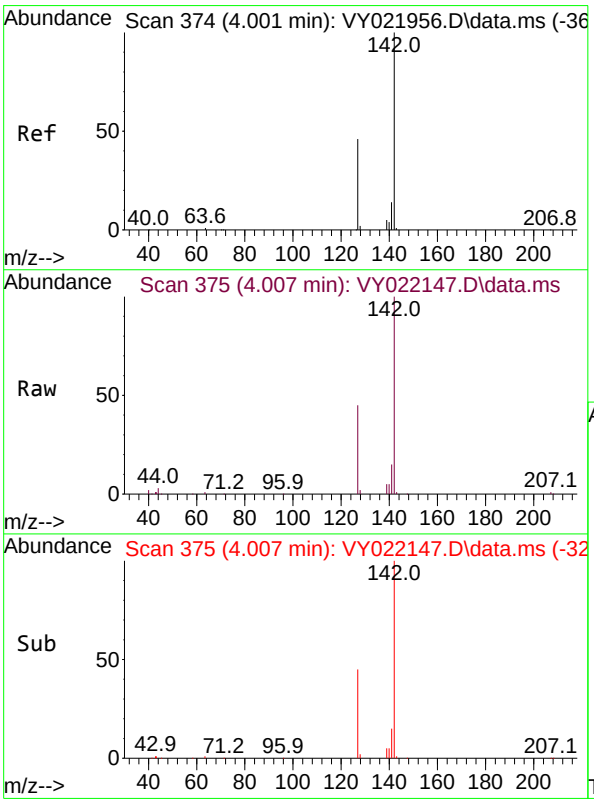
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.675 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:101 Resp: 62536

Ion	Ratio	Lower	Upper
101	100		
85	44.5	34.6	51.8
151	80.1	63.7	95.5

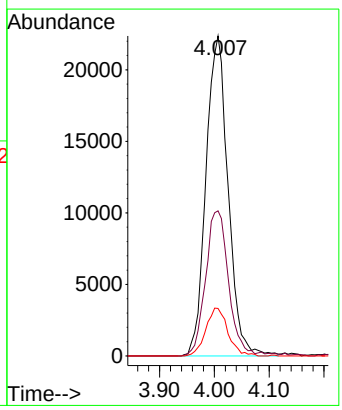


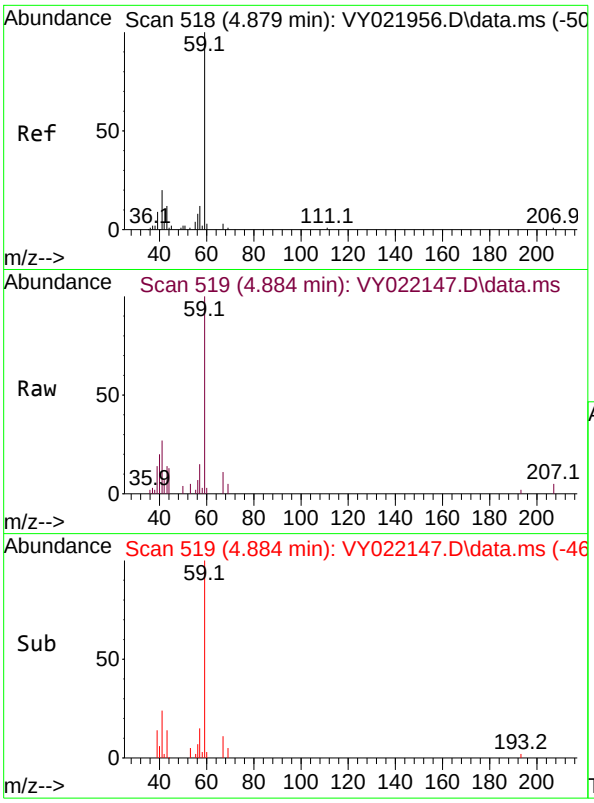


#10
Methyl Iodide
Concen: 17.900 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:142 Resp: 62685

Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.2	54.2
141	14.9	11.7	17.5



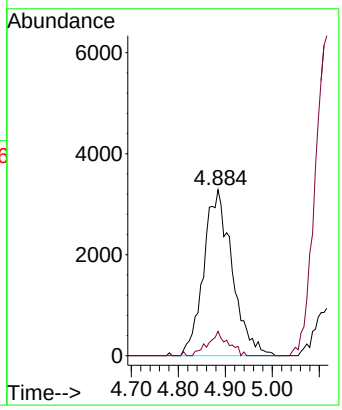


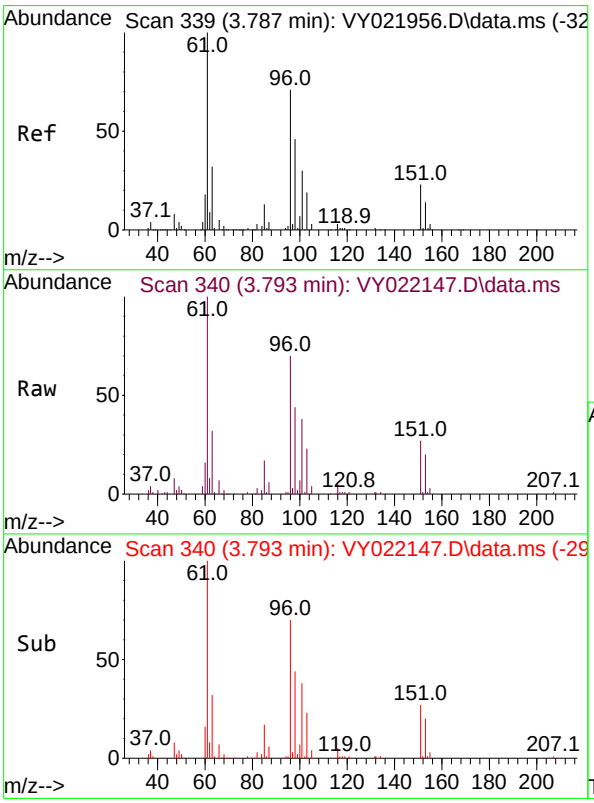
#11
Tert butyl alcohol
Concen: 96.078 ug/l
RT: 4.884 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 59 Resp: 13817

Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.3	13.9

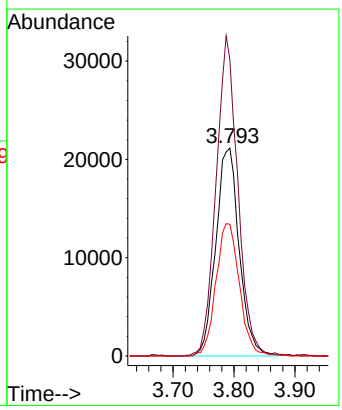


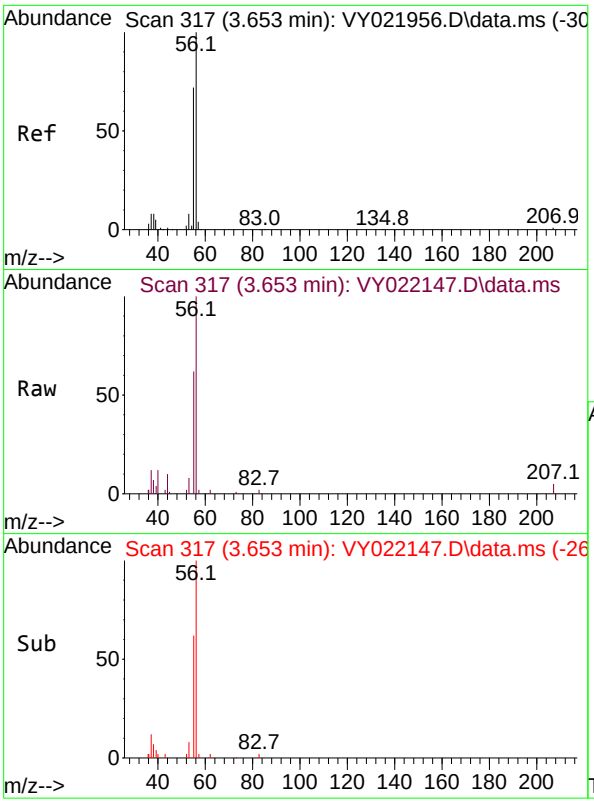


#12
1,1-Dichloroethene
Concen: 20.042 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 96 Resp: 56505

Ion	Ratio	Lower	Upper
96	100		
61	142.6	113.0	169.4
98	63.4	51.4	77.2



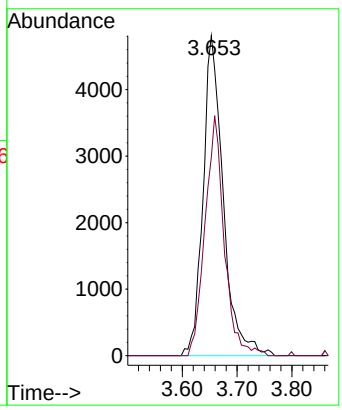


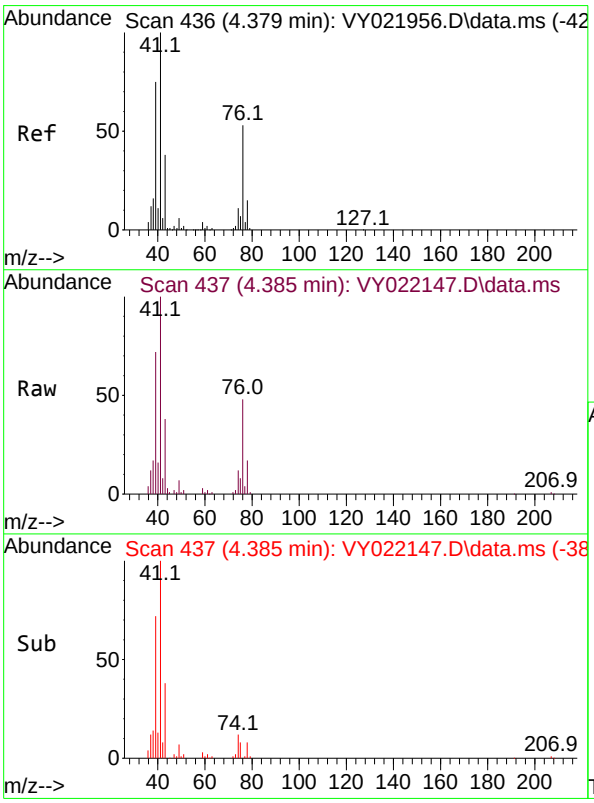
#13
Acrolein
Concen: 47.479 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 56 Resp: 12255

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.4	86.0

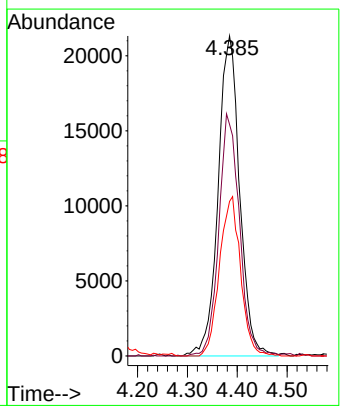


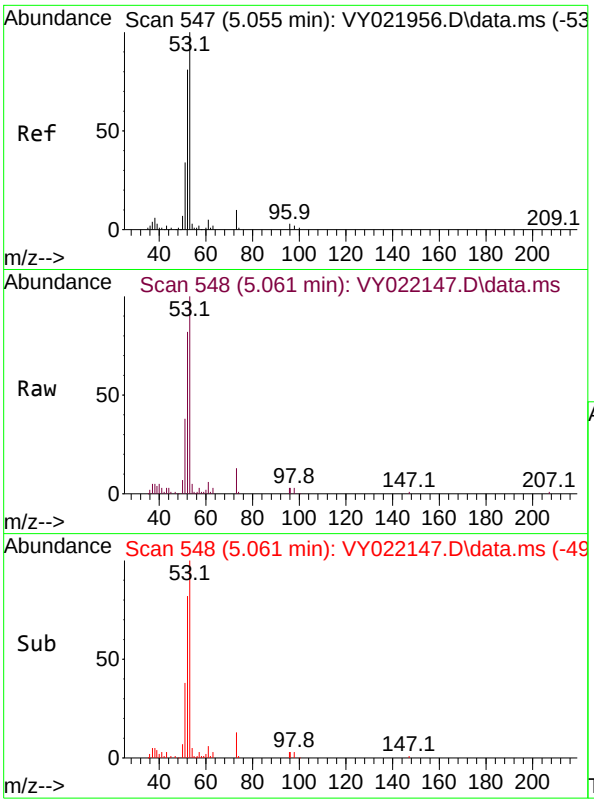


#14
Allyl chloride
Concen: 19.506 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 41 Resp: 64034

Ion	Ratio	Lower	Upper
41	100		
39	72.4	57.2	85.8
76	48.7	39.7	59.5



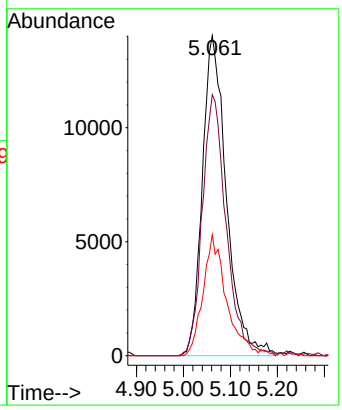


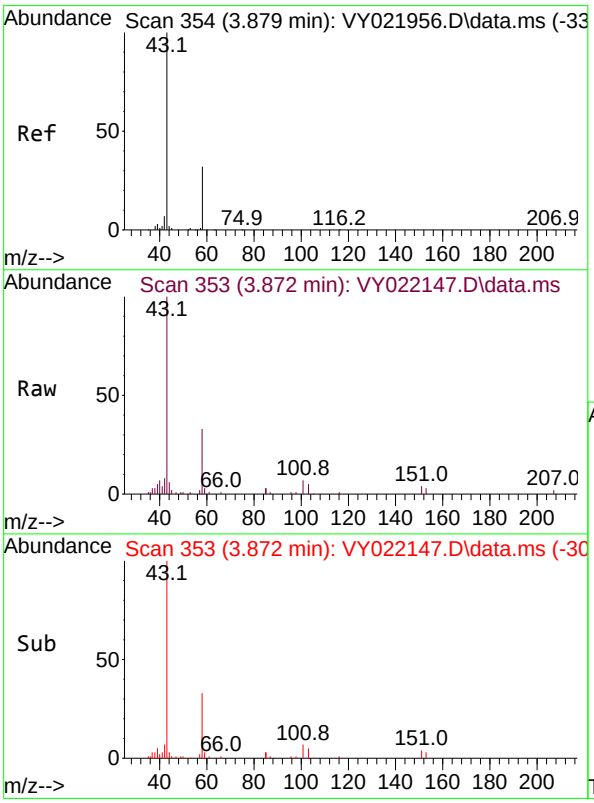
#15
Acrylonitrile
Concen: 94.524 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 53 Resp: 50219

Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.2	28.9	43.3

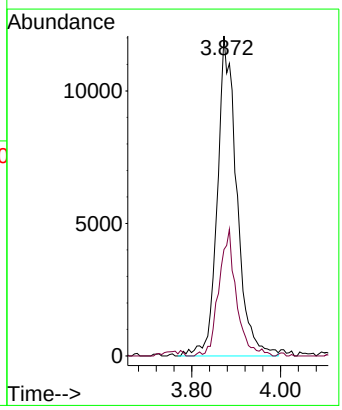


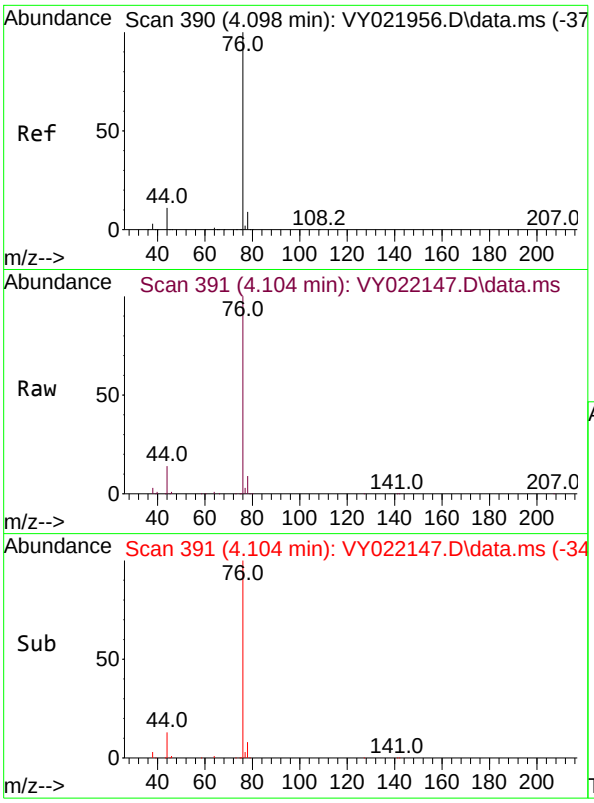


#16
Acetone
Concen: 93.425 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 36620

Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.0	40.4



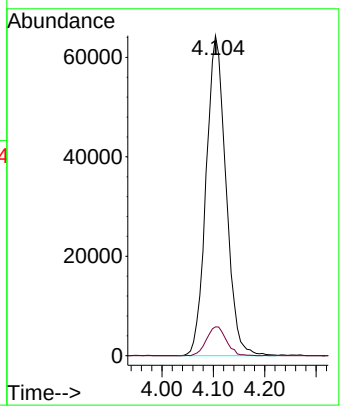


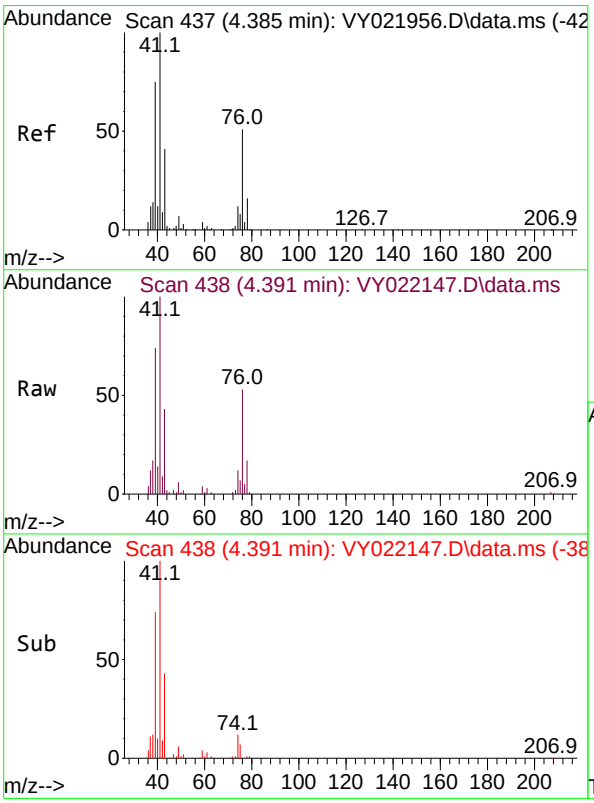
#17
Carbon Disulfide
Concen: 19.176 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 76 Resp: 172376

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

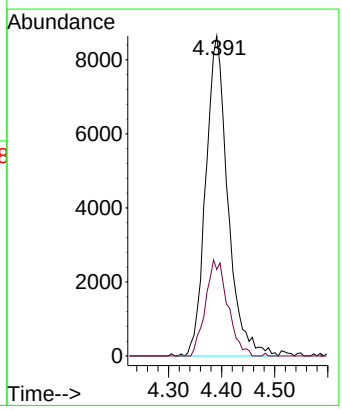


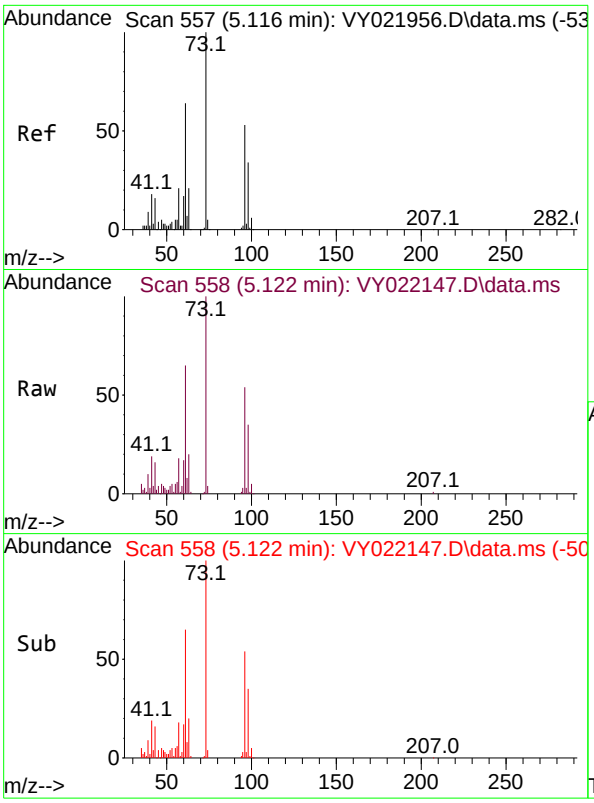


#18
Methyl Acetate
Concen: 20.387 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 24946

Ion	Ratio	Lower	Upper
43	100		
74	30.3	24.2	36.4



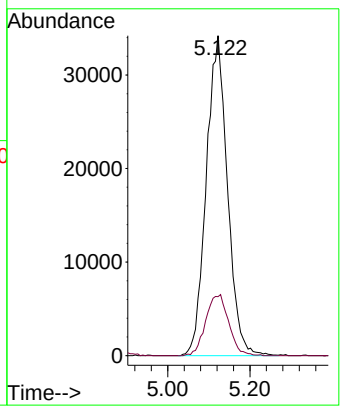


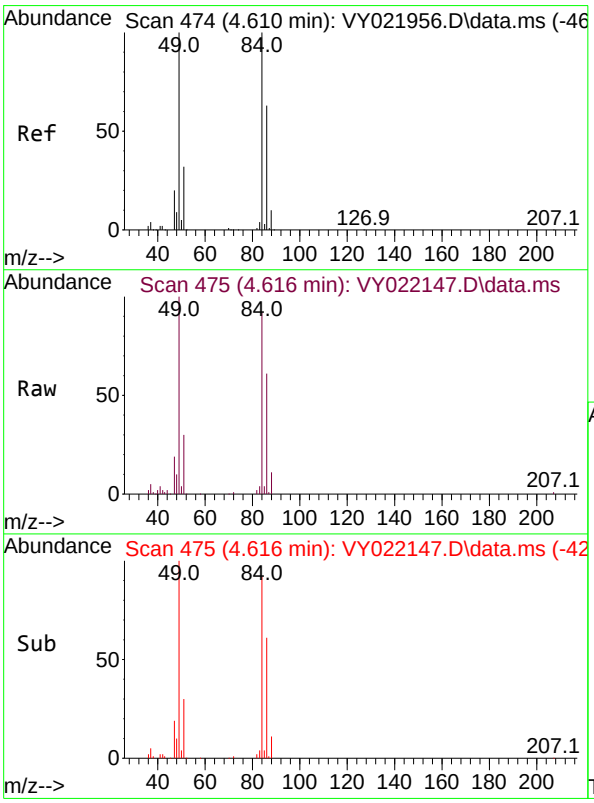
#19
Methyl tert-butyl Ether
Concen: 19.413 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 73 Resp: 122495

Ion	Ratio	Lower	Upper
73	100		
57	18.5	16.9	25.3

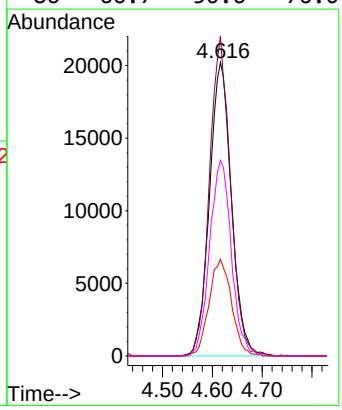


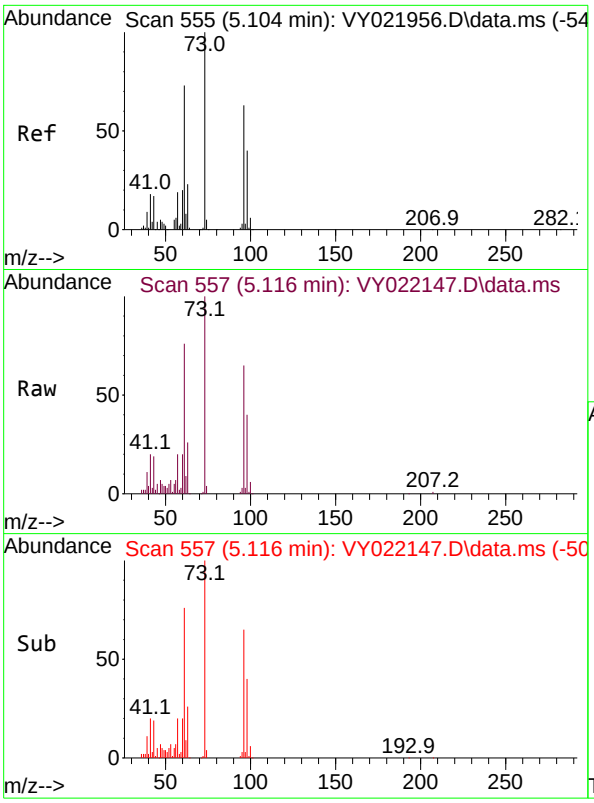


#20
Methylene Chloride
Concen: 18.676 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 84 Resp: 61860

Ion	Ratio	Lower	Upper
84	100		
49	109.0	79.9	119.9
51	33.0	25.4	38.0
86	66.7	50.6	76.0



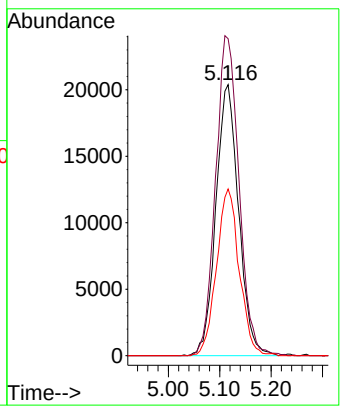


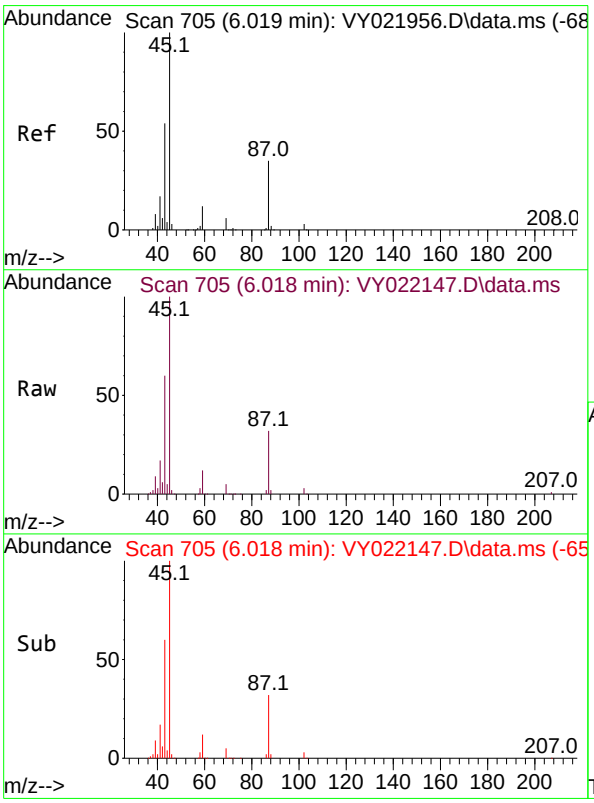
#21
trans-1,2-Dichloroethene
Concen: 19.863 ug/l
RT: 5.116 min Scan# 5
Delta R.T. 0.012 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 96 Resp: 62716

Ion	Ratio	Lower	Upper
96	100		
61	117.0	92.6	138.8
98	61.5	50.2	75.4

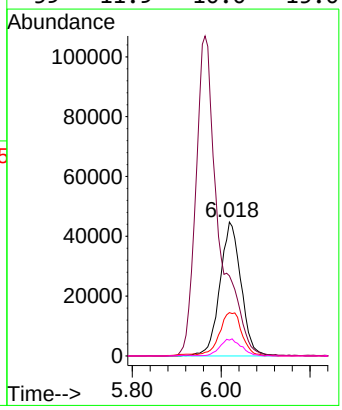


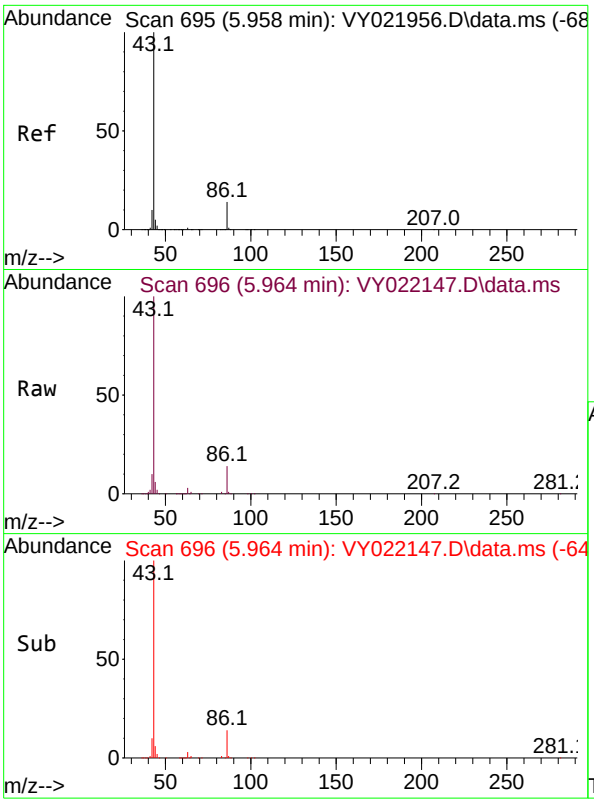


#22
Diisopropyl ether
Concen: 20.152 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 45 Resp: 147220

Ion	Ratio	Lower	Upper
45	100		
43	59.3	43.6	65.4
87	32.4	28.2	42.4
59	11.9	10.0	15.0



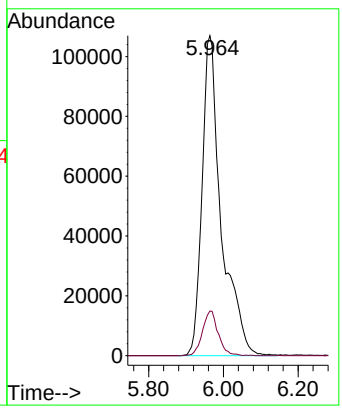


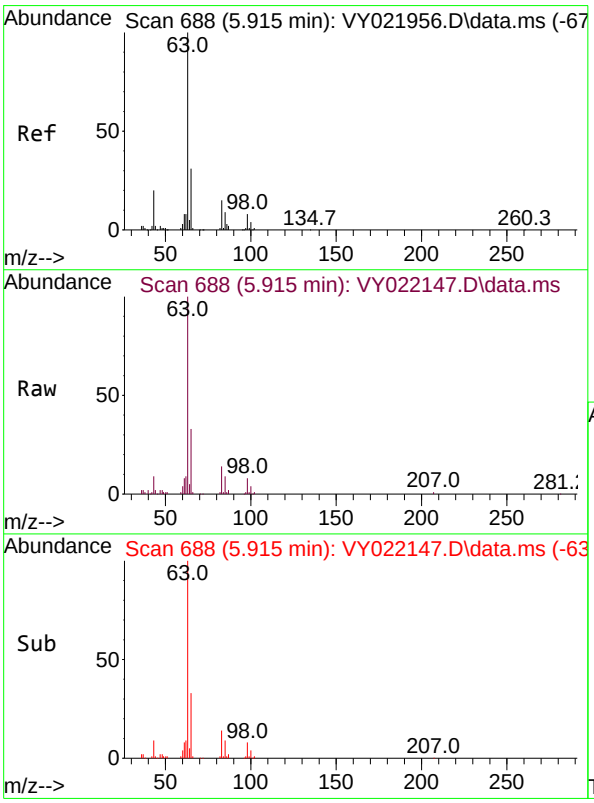
#23
Vinyl Acetate
Concen: 96.815 ug/l
RT: 5.964 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 43 Resp: 381169

Ion	Ratio	Lower	Upper
43	100		
86	14.0	11.1	16.7

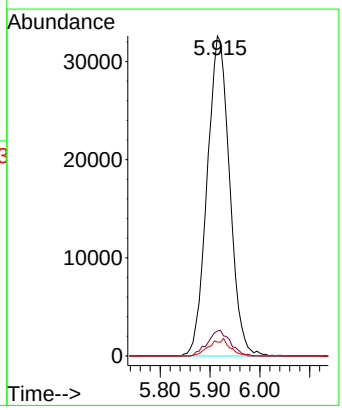


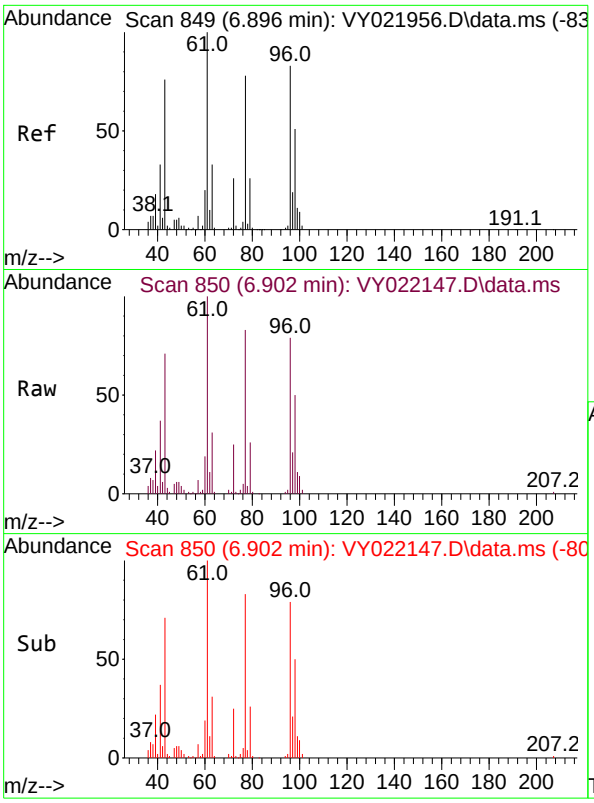


#24
1,1-Dichloroethane
Concen: 20.147 ug/l
RT: 5.915 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 63 Resp: 102019

Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.0	11.9
100	4.4	2.0	6.0



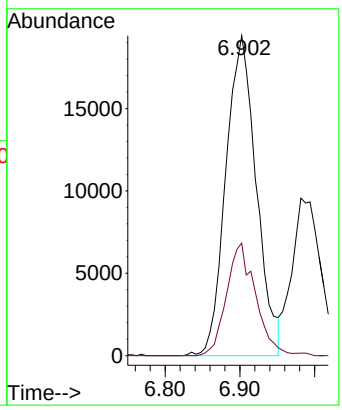


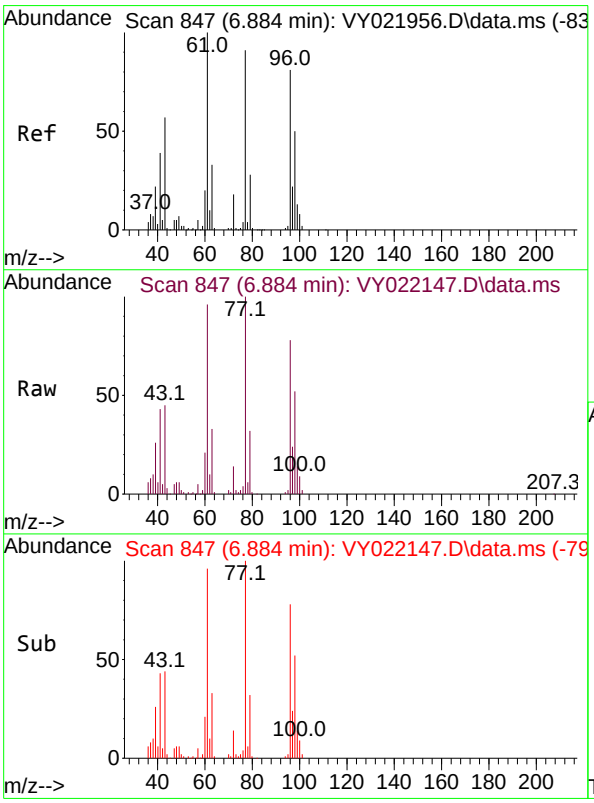
#25
2-Butanone
Concen: 92.124 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 43 Resp: 55008

Ion	Ratio	Lower	Upper
43	100		
72	35.2	27.0	40.4

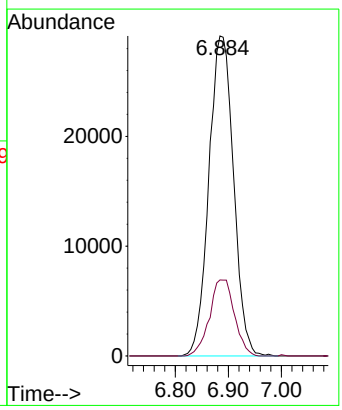


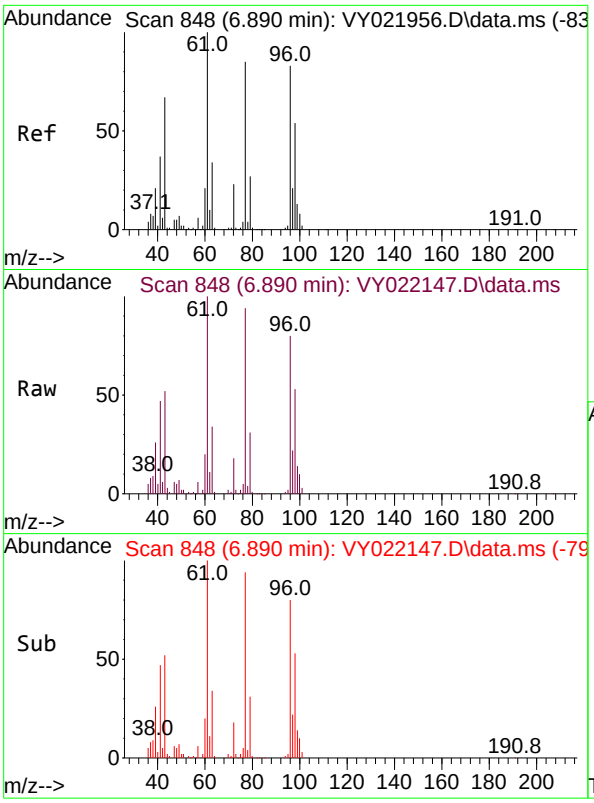


#26
2,2-Dichloropropane
Concen: 21.170 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 77 Resp: 93959

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.4



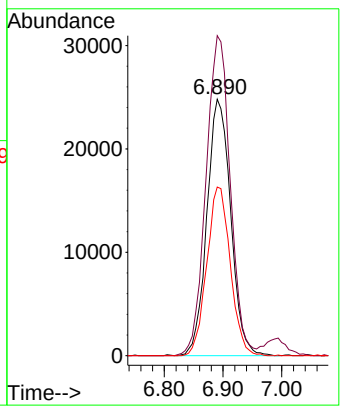


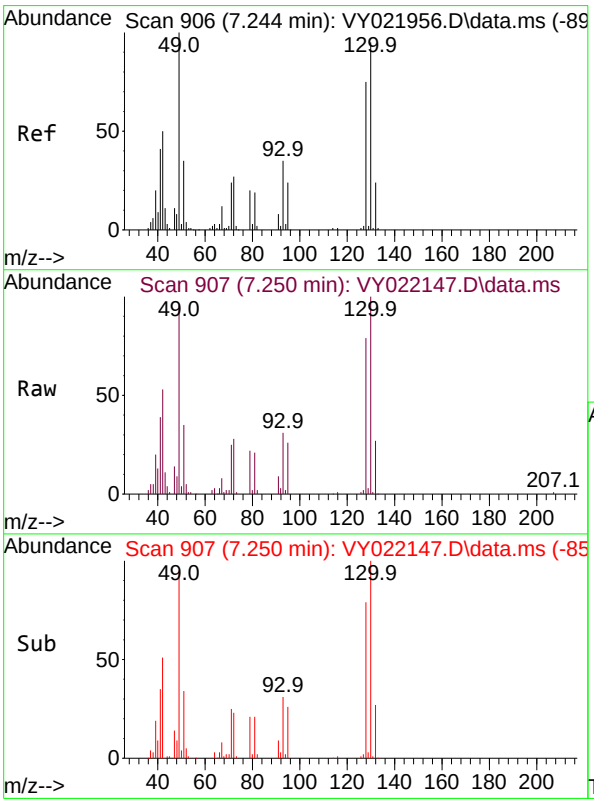
#27
cis-1,2-Dichloroethene
Concen: 19.828 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 96 Resp: 70002

Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	251.4
98	64.8	0.0	128.4

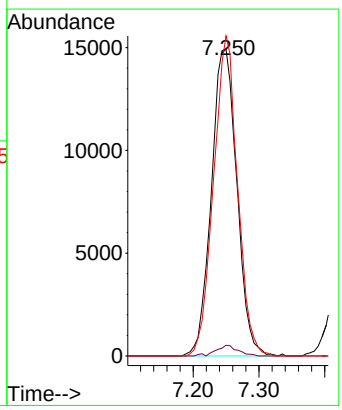


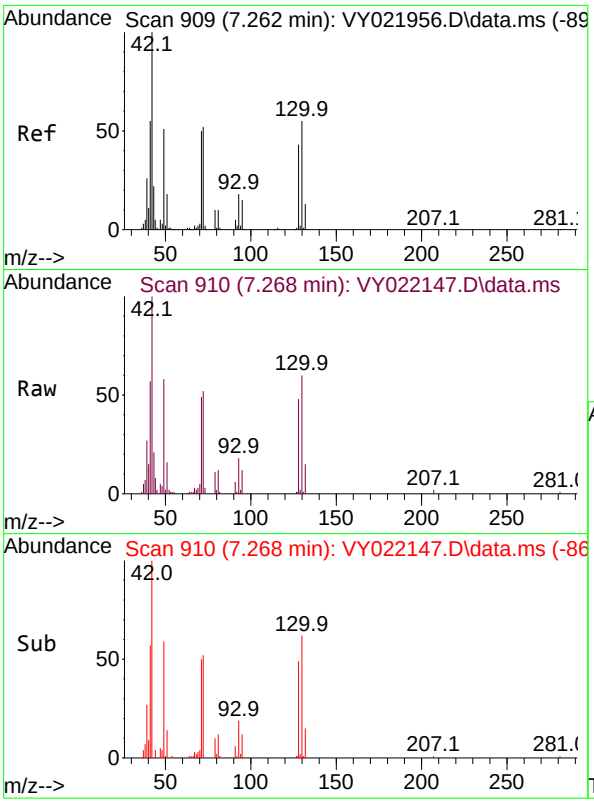


#28
Bromochloromethane
Concen: 20.490 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 49 Resp: 40301

Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	98.0	78.2	117.4



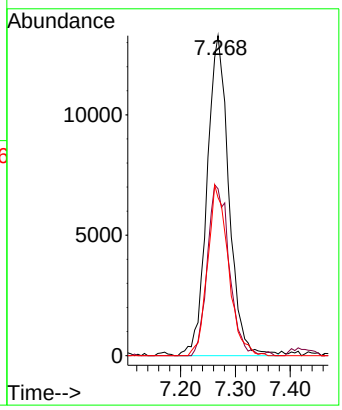


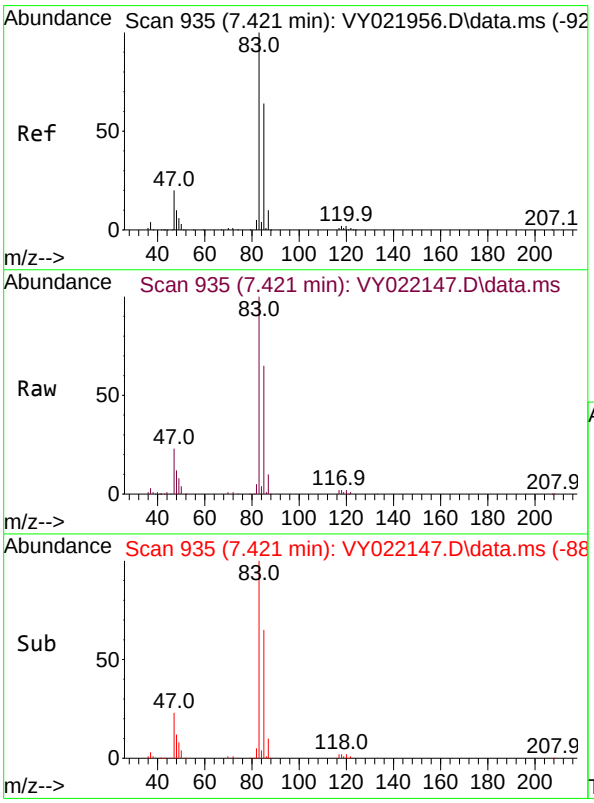
#29
Tetrahydrofuran
Concen: 94.466 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 42 Resp: 36635

Ion	Ratio	Lower	Upper
42	100		
72	53.3	42.6	63.8
71	51.1	40.6	61.0

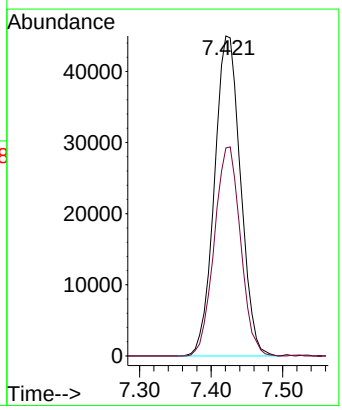


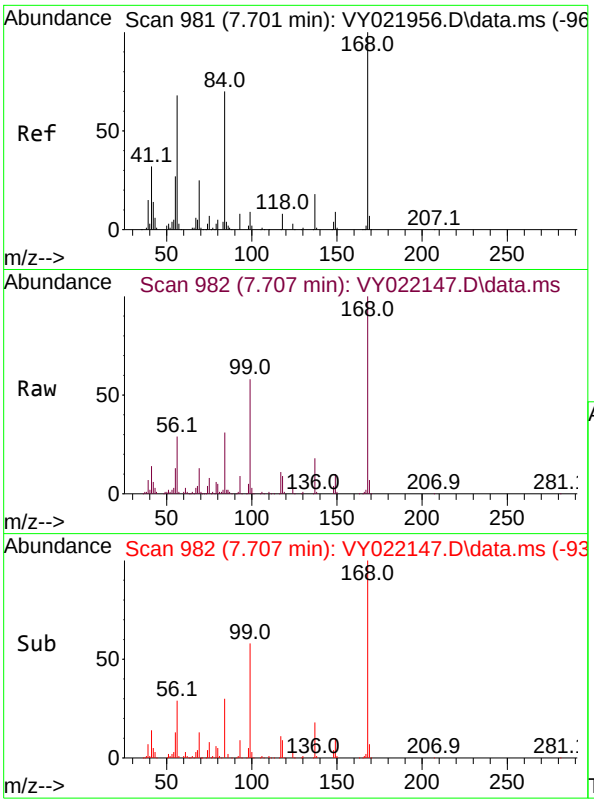


#30
Chloroform
Concen: 20.282 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 83 Resp: 113922

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9



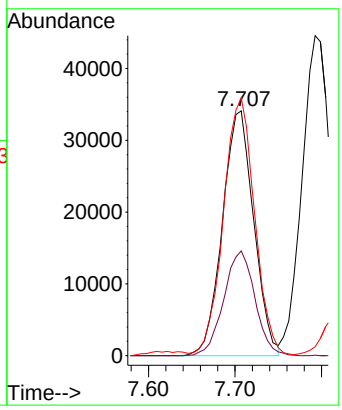


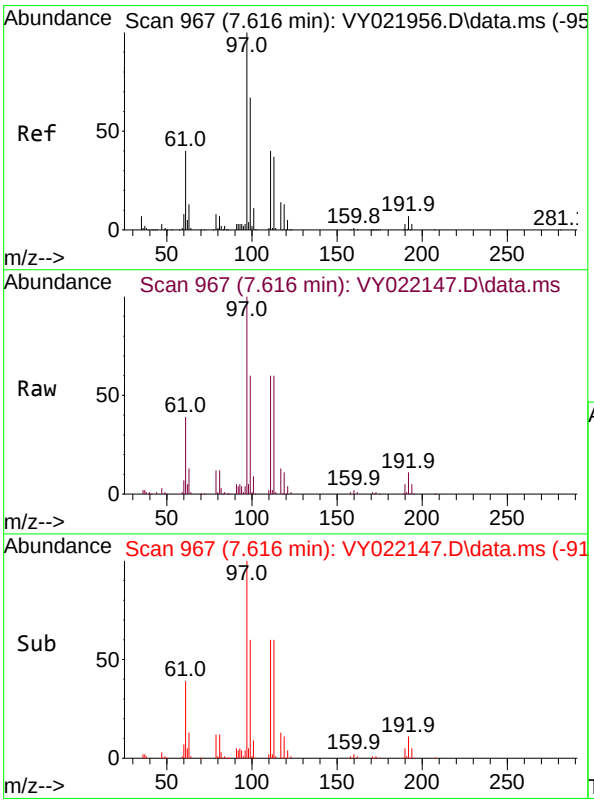
#31
Cyclohexane
Concen: 19.784 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 56 Resp: 85669

Ion	Ratio	Lower	Upper
56	100		
69	42.8	29.4	44.2
84	103.7	82.2	123.4

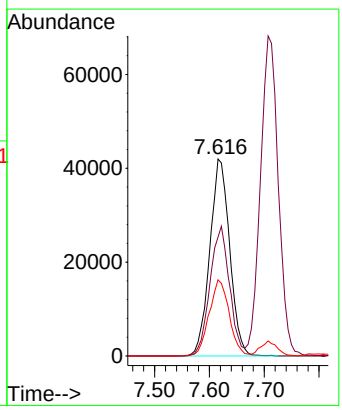


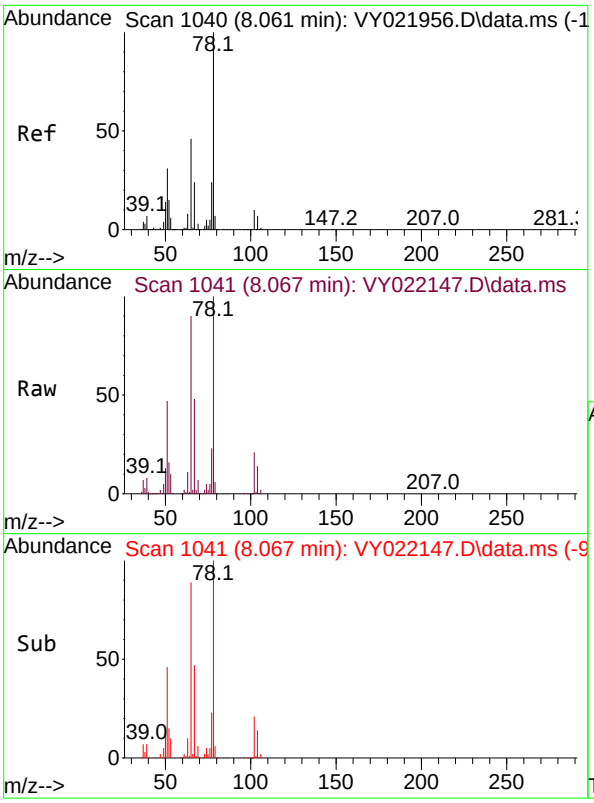


#32
1,1,1-Trichloroethane
Concen: 20.792 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 97 Resp: 105659

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	39.1	31.4	47.2



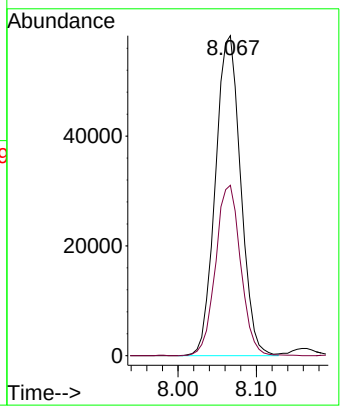


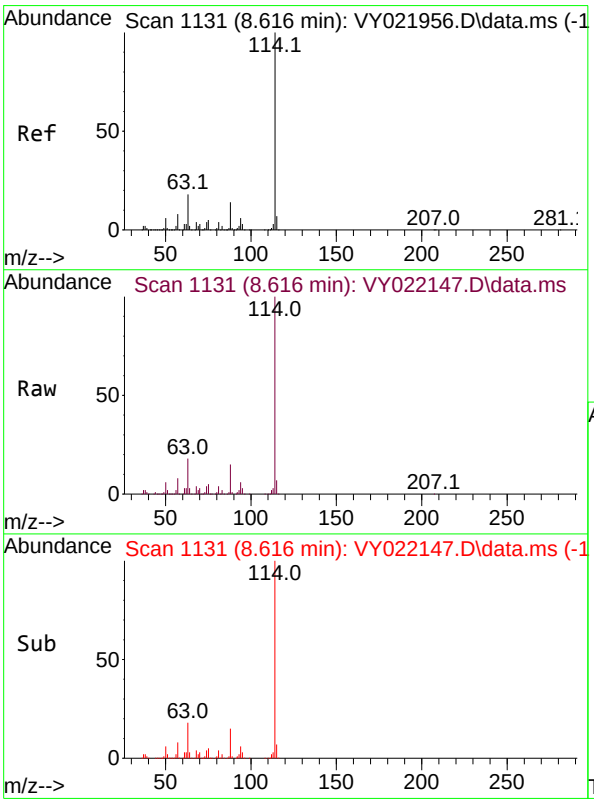
#33
1,2-Dichloroethane-d4
Concen: 49.911 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 65 Resp: 130743

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.8

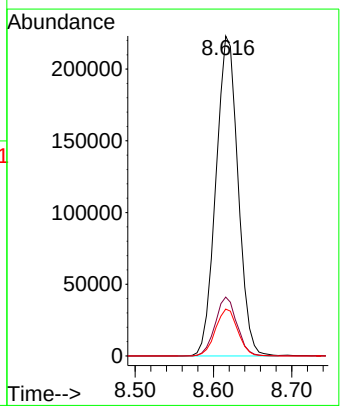


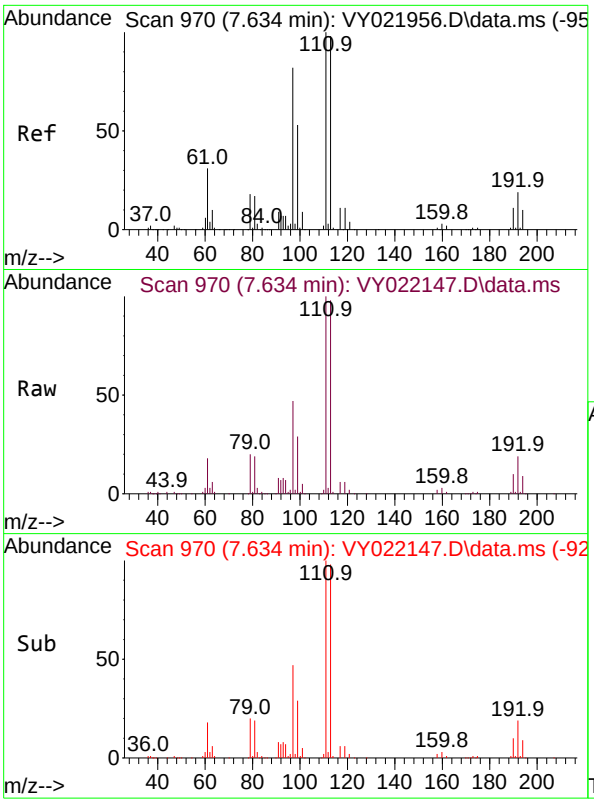


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:114 Resp: 437631

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.4
88	14.6	0.0	28.2



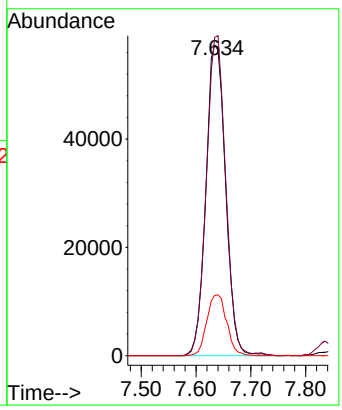


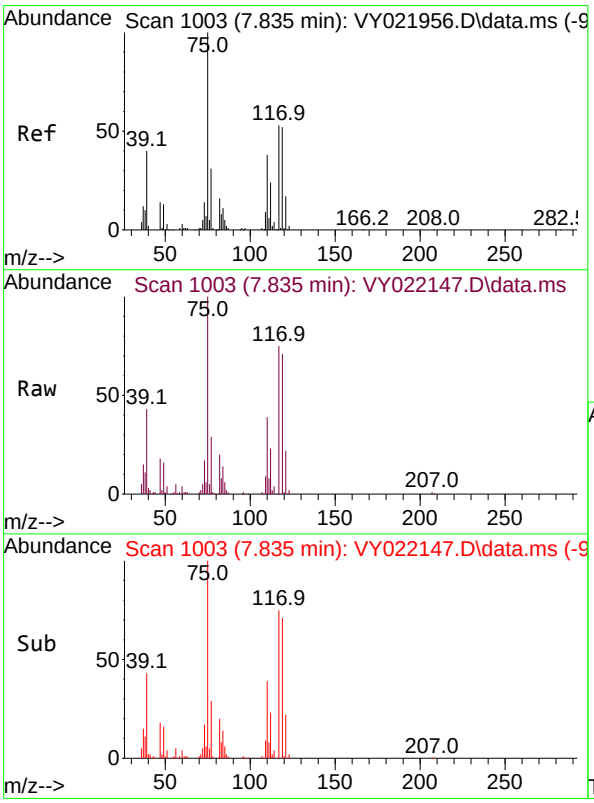
#35
Dibromofluoromethane
Concen: 49.386 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:113 Resp: 142785

Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.8	122.8
192	19.7	15.6	23.4

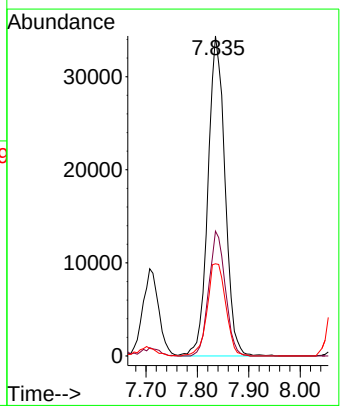


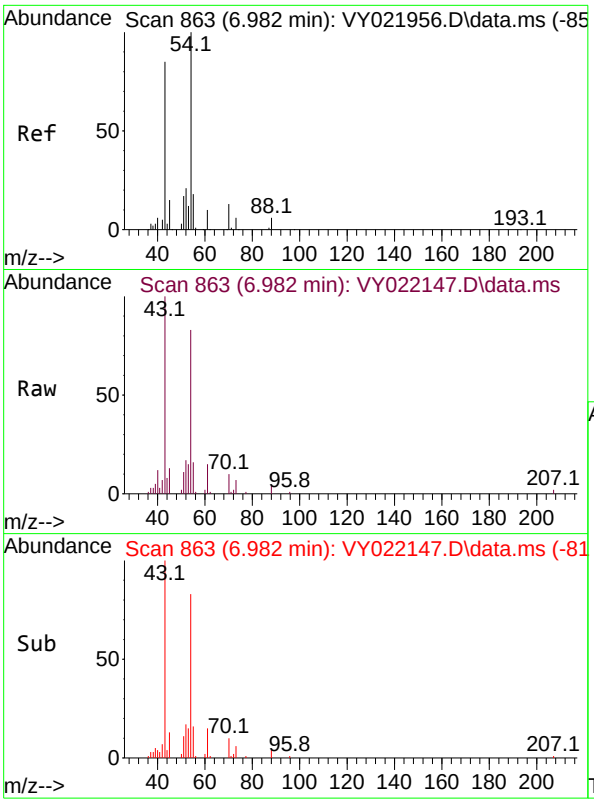


#36
1,1-Dichloropropene
Concen: 20.383 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 79161

Ion	Ratio	Lower	Upper
75	100		
110	37.8	19.1	57.3
77	31.4	25.5	38.3



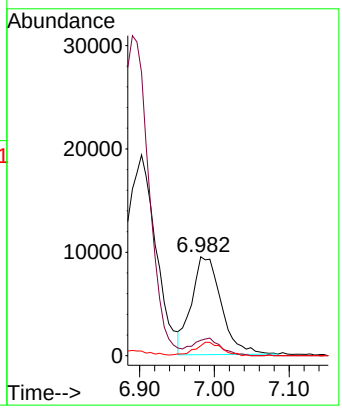


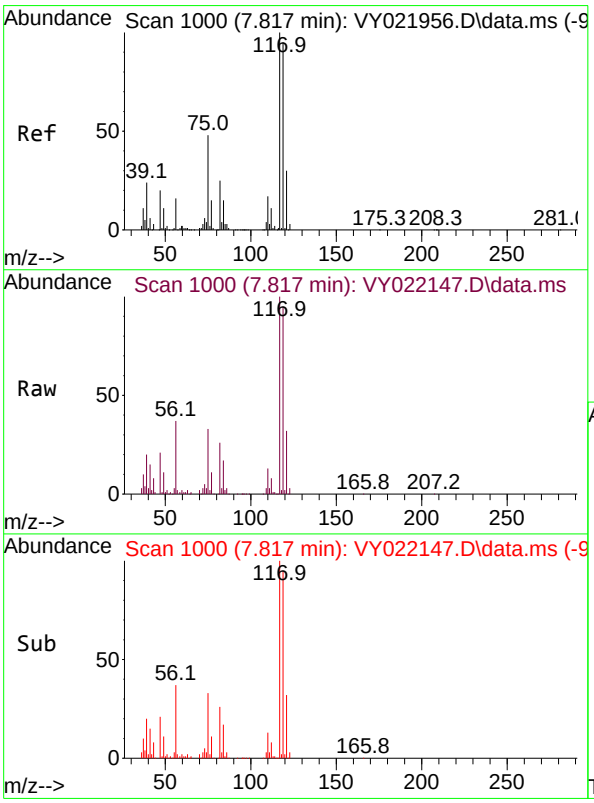
#37
Ethyl Acetate
Concen: 18.778 ug/l
RT: 6.982 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 43 Resp: 26192

Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.8	20.6
70	12.3	9.2	13.8

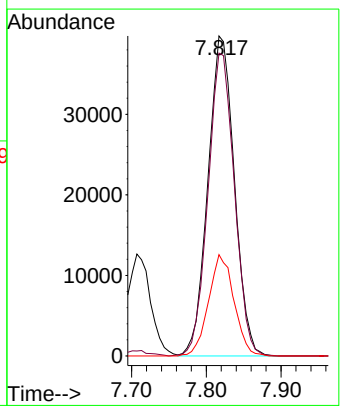


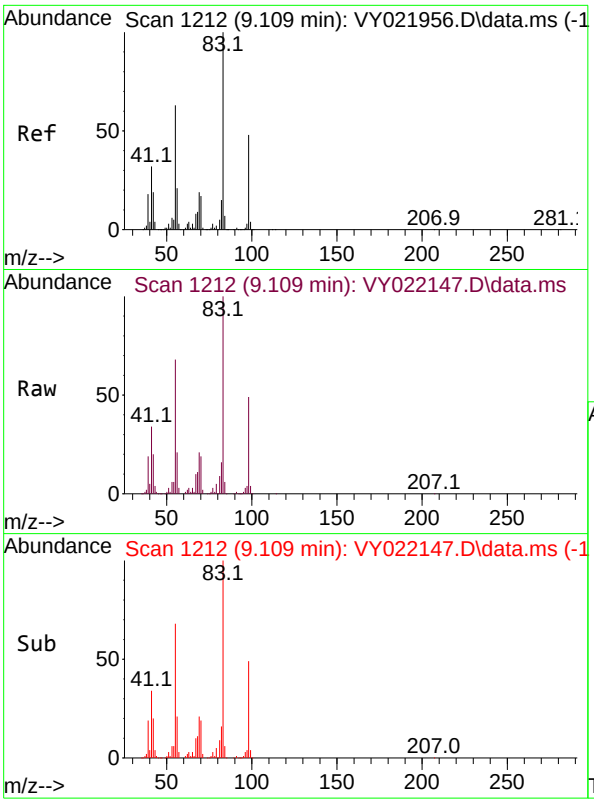


#38
Carbon Tetrachloride
Concen: 21.100 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:117 Resp: 97921

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.2	114.4
121	31.7	24.0	36.0



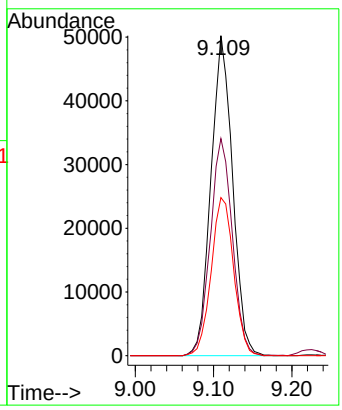


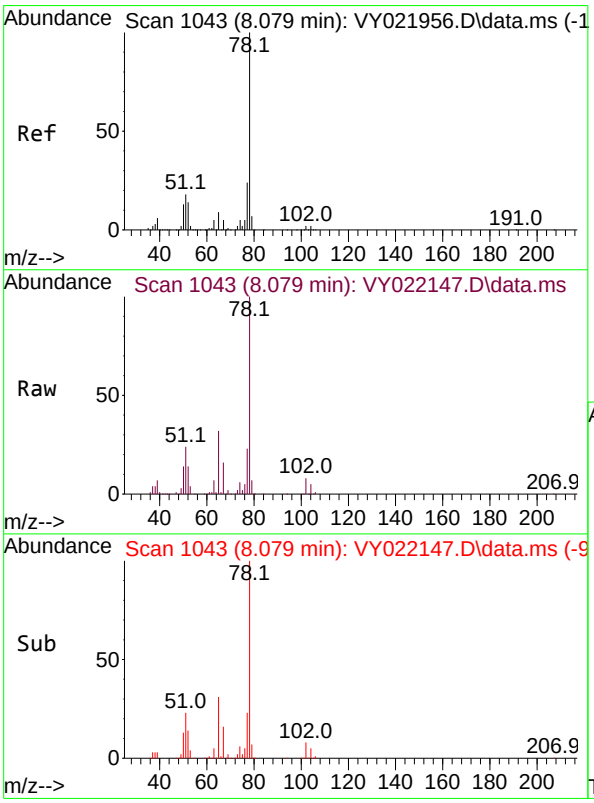
#39
Methylcyclohexane
Concen: 19.723 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 83 Resp: 96393

Ion	Ratio	Lower	Upper
83	100		
55	67.9	50.6	75.8
98	49.4	38.6	58.0

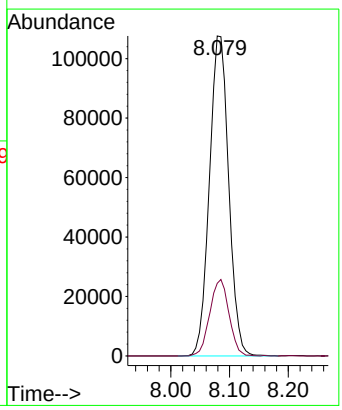


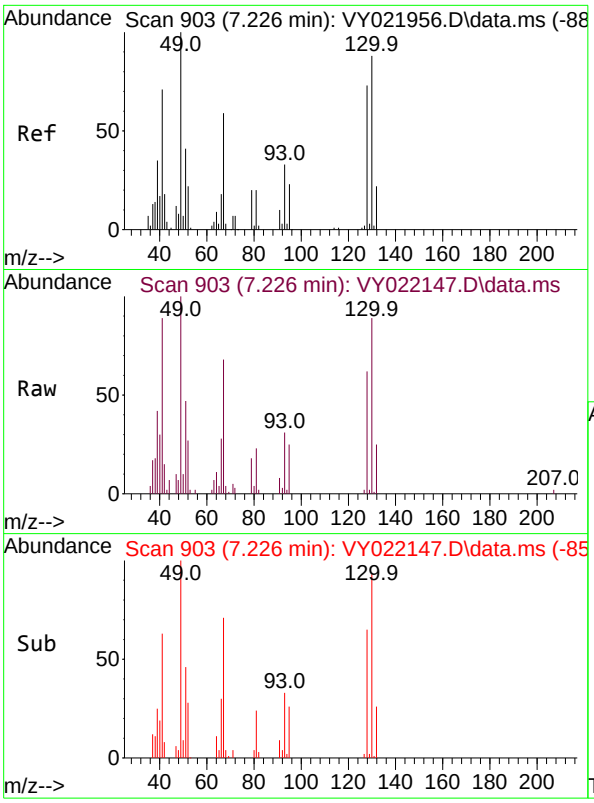


#40
Benzene
Concen: 20.191 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 78 Resp: 245125

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.3	28.9



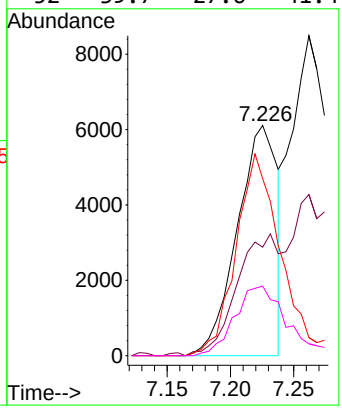


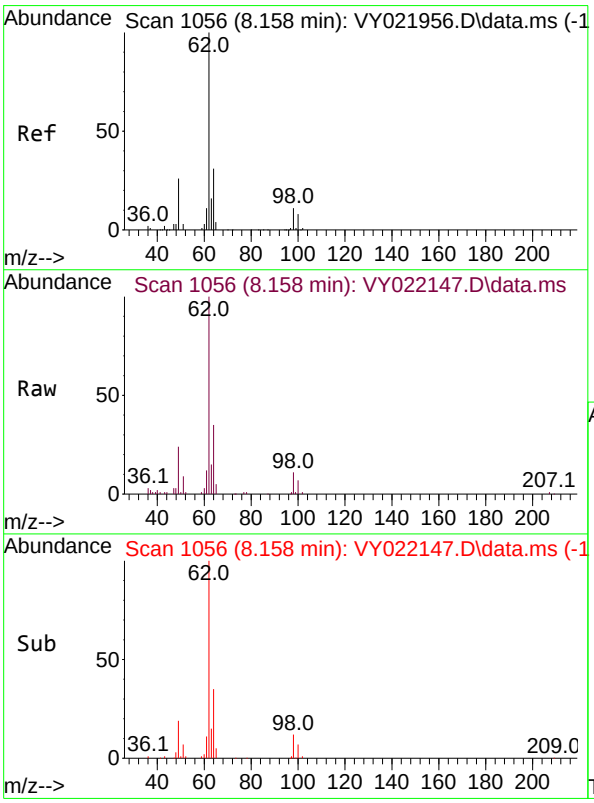
#41
Methacrylonitrile
Concen: 17.581 ug/l
RT: 7.226 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 41 Resp: 13405

Ion	Ratio	Lower	Upper
41	100		
39	54.8	36.6	55.0
67	97.8	72.2	108.4
52	39.7	27.6	41.4

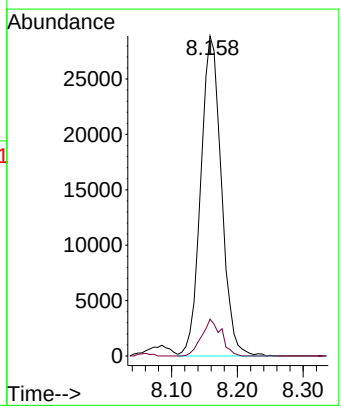


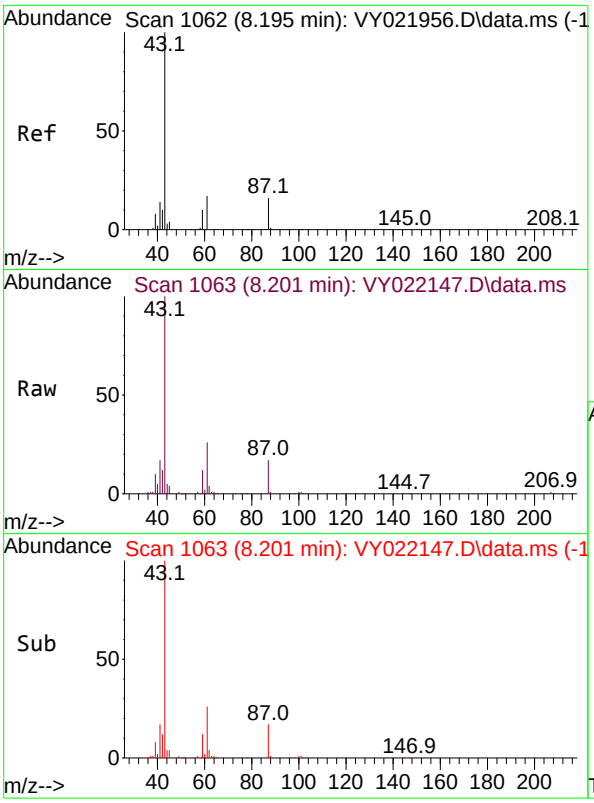


#42
1,2-Dichloroethane
Concen: 20.983 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 62 Resp: 63069

Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0



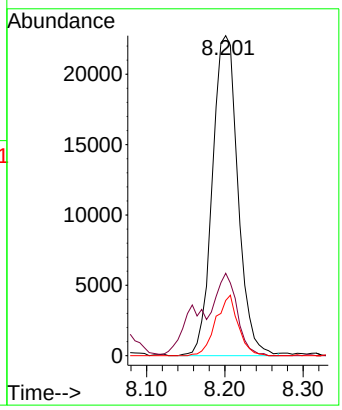


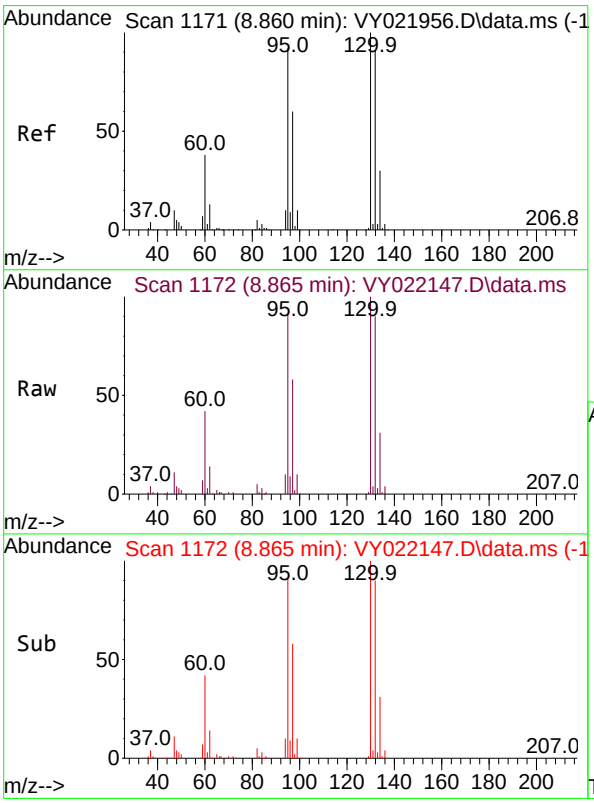
#43
Isopropyl Acetate
Concen: 19.211 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 43 Resp: 51461

Ion	Ratio	Lower	Upper
43	100		
61	22.7	18.9	28.3
87	16.6	13.7	20.5

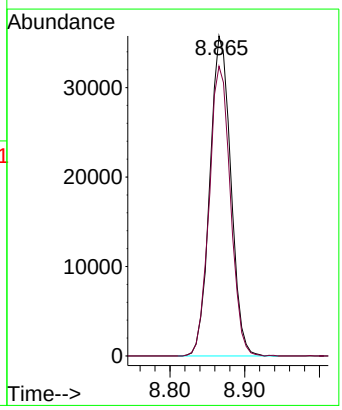


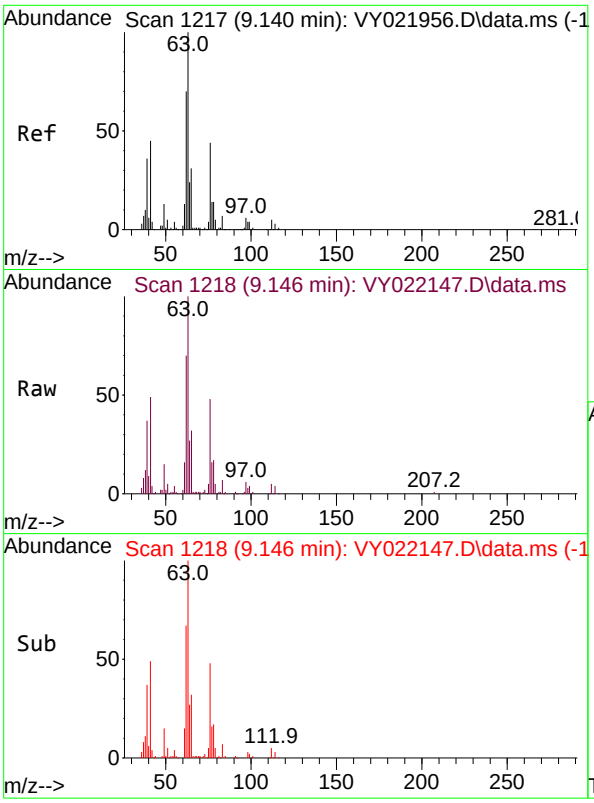


#44
Trichloroethene
Concen: 20.727 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:130 Resp: 69699

Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	183.2



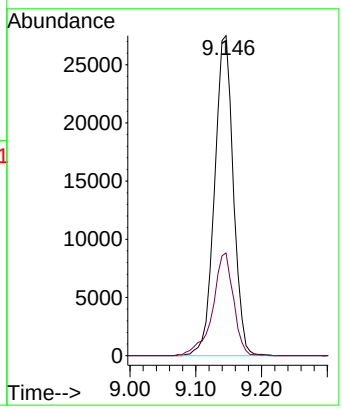


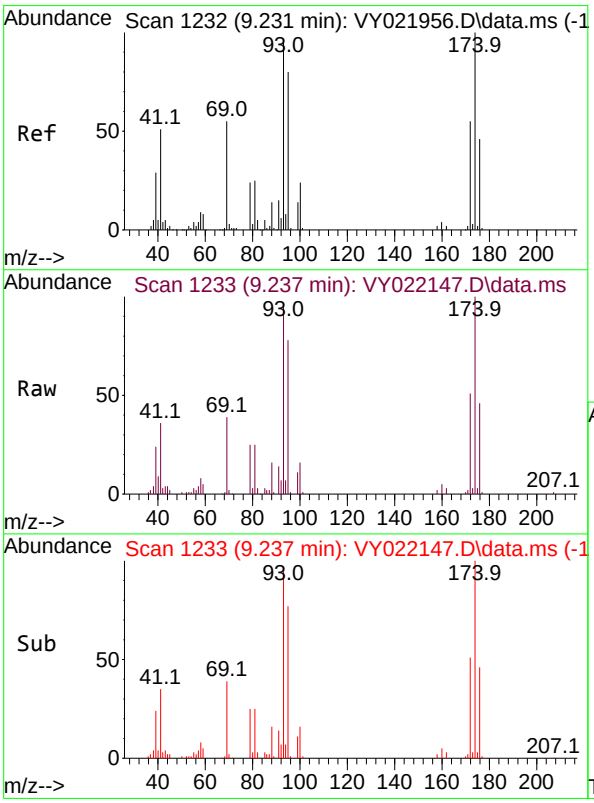
#45
1,2-Dichloropropane
Concen: 20.315 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 63 Resp: 54540

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.2	37.8

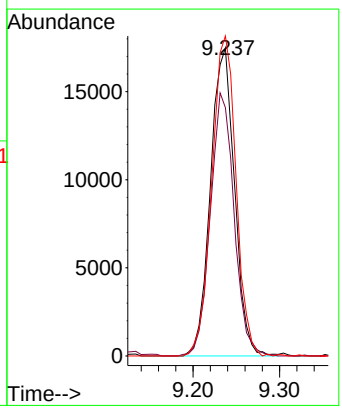


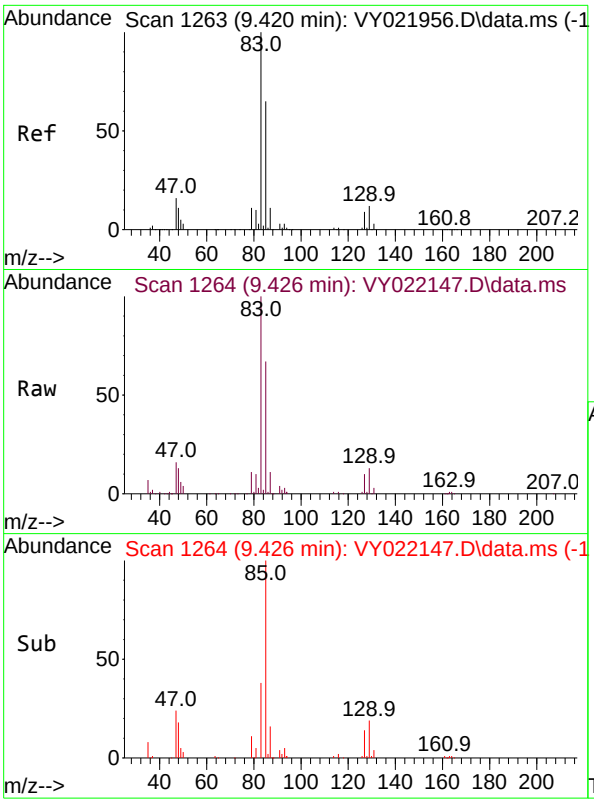


#46
Dibromomethane
Concen: 20.079 ug/l
RT: 9.237 min Scan# 1233
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 93 Resp: 33746

Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.7	100.1
174	104.3	84.6	127.0



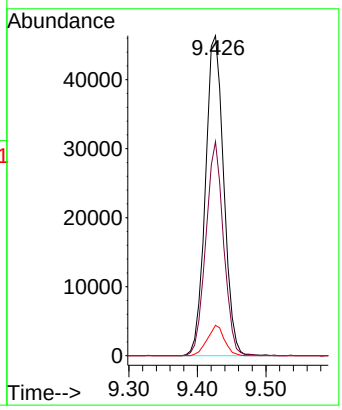


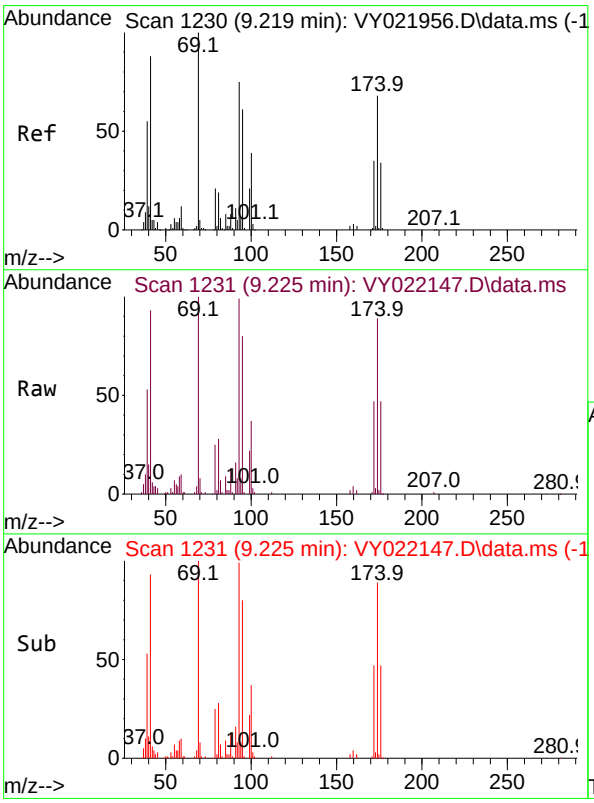
#47
Bromodichloromethane
Concen: 20.515 ug/l
RT: 9.426 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 83 Resp: 86130

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.8
127	9.5	7.0	10.6

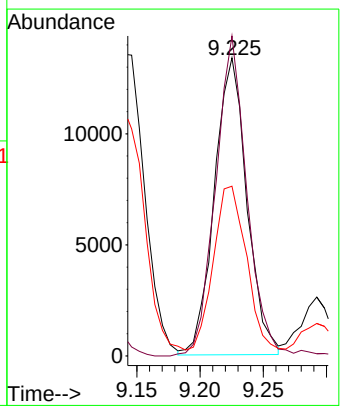


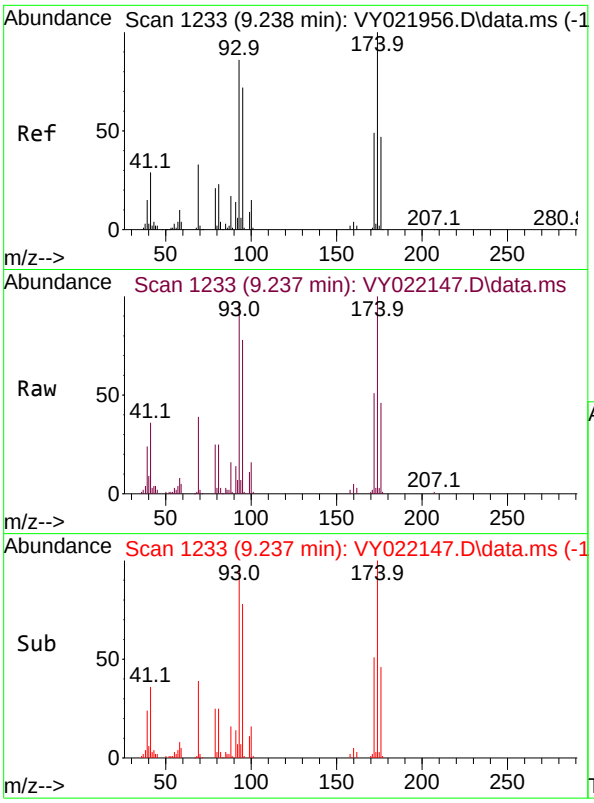


#48
Methyl methacrylate
Concen: 19.301 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 41 Resp: 23901

Ion	Ratio	Lower	Upper
41	100		
69	103.4	85.5	128.3
39	56.1	46.2	69.4



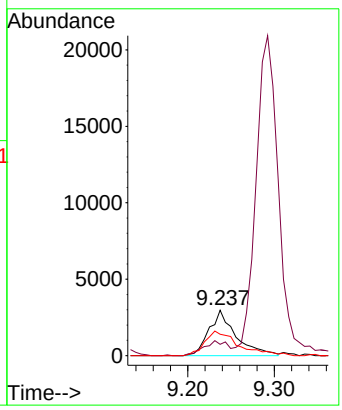


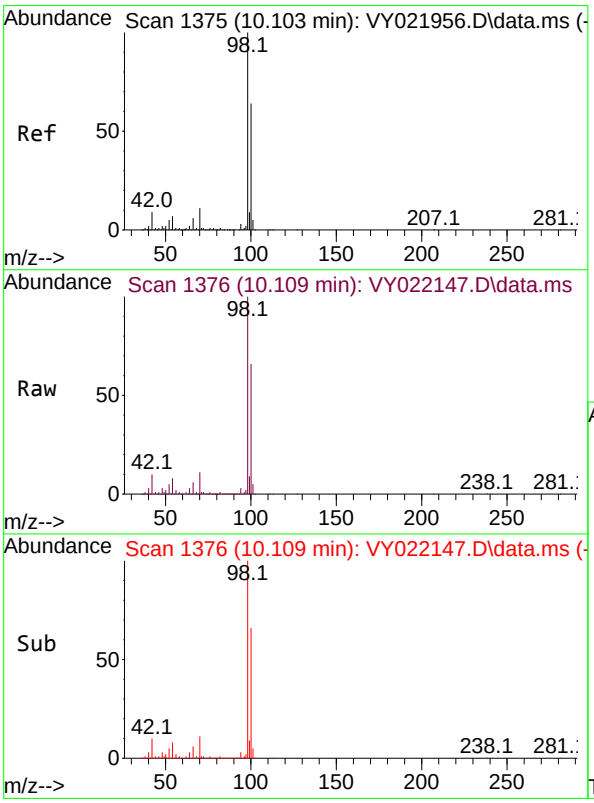
#49
1,4-Dioxane
Concen: 358.012 ug/l
RT: 9.237 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 88 Resp: 6413

Ion	Ratio	Lower	Upper
88	100		
43	28.7	21.3	31.9
58	68.0	50.5	75.7

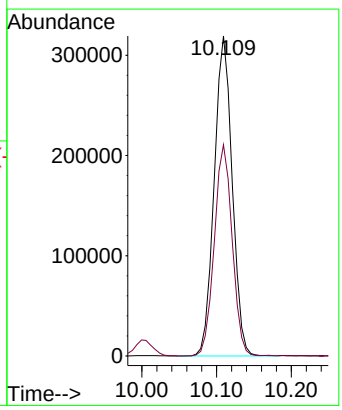


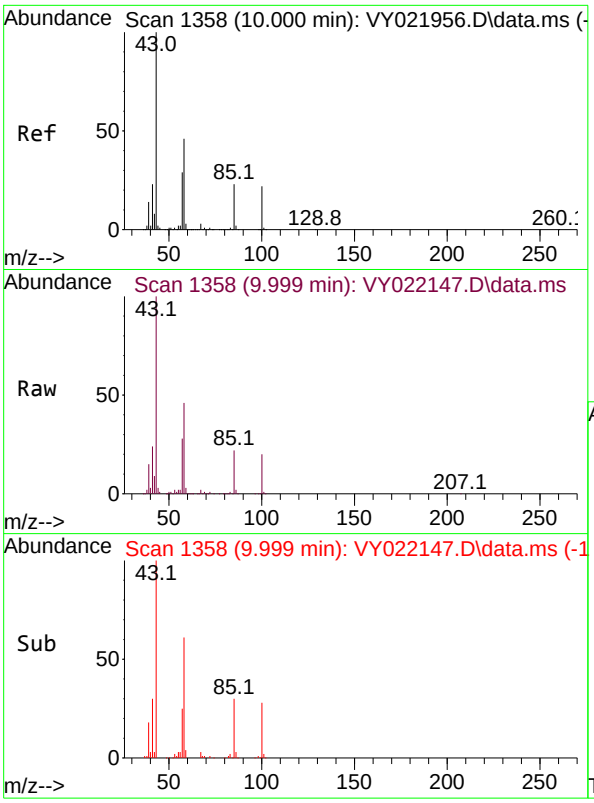


#50
Toluene-d8
Concen: 48.941 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 98 Resp: 533457

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.6	77.4



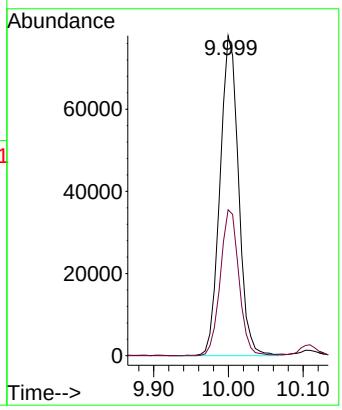


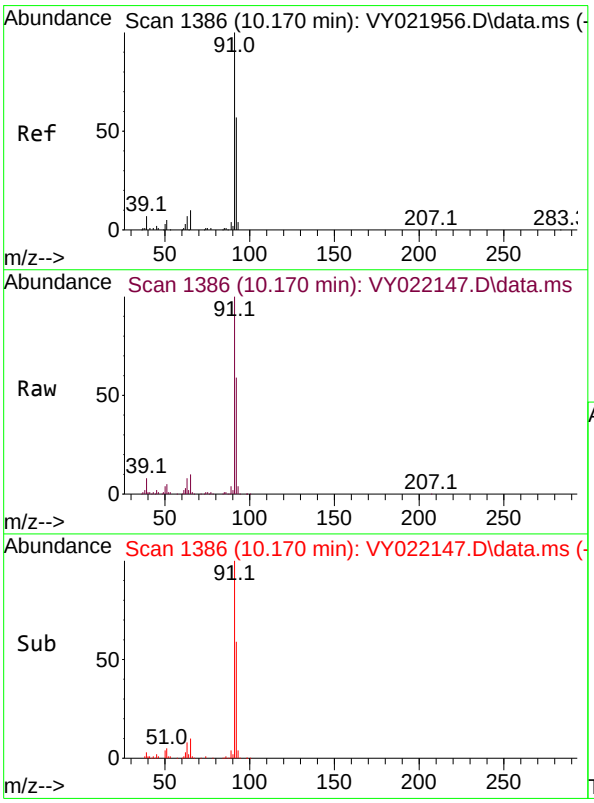
#51
4-Methyl-2-Pentanone
Concen: 95.622 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 43 Resp: 134271

Ion	Ratio	Lower	Upper
43	100		
58	45.8	36.6	55.0

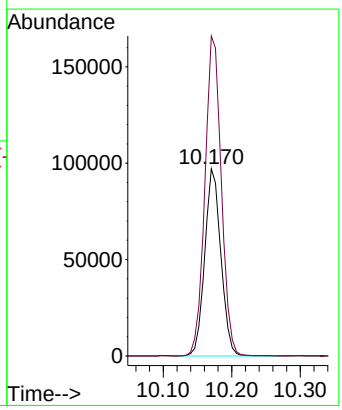


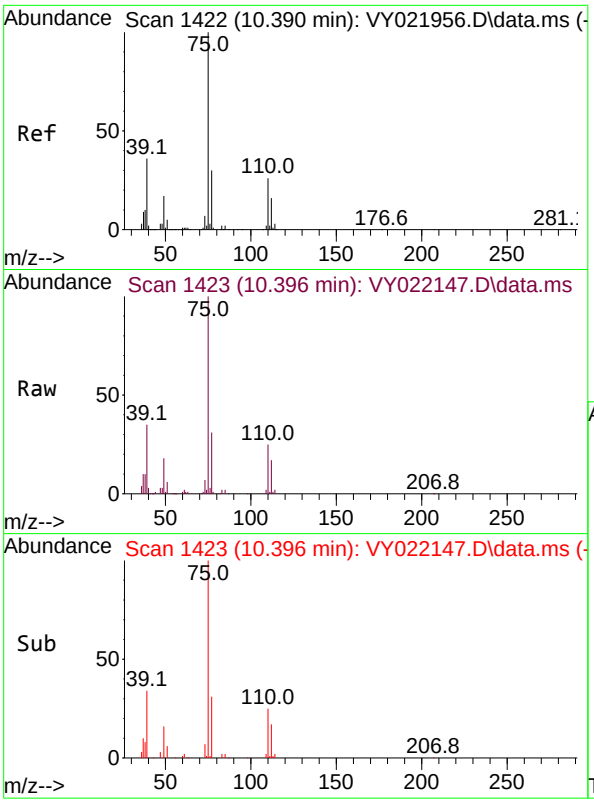


#52
Toluene
Concen: 20.231 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 92 Resp: 158982

Ion	Ratio	Lower	Upper
92	100		
91	174.1	138.6	207.8



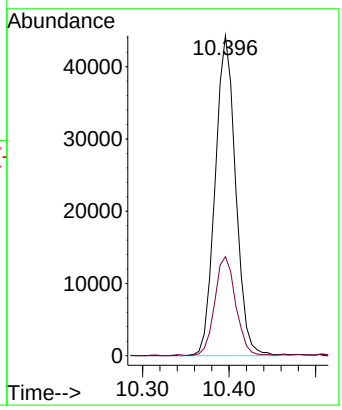


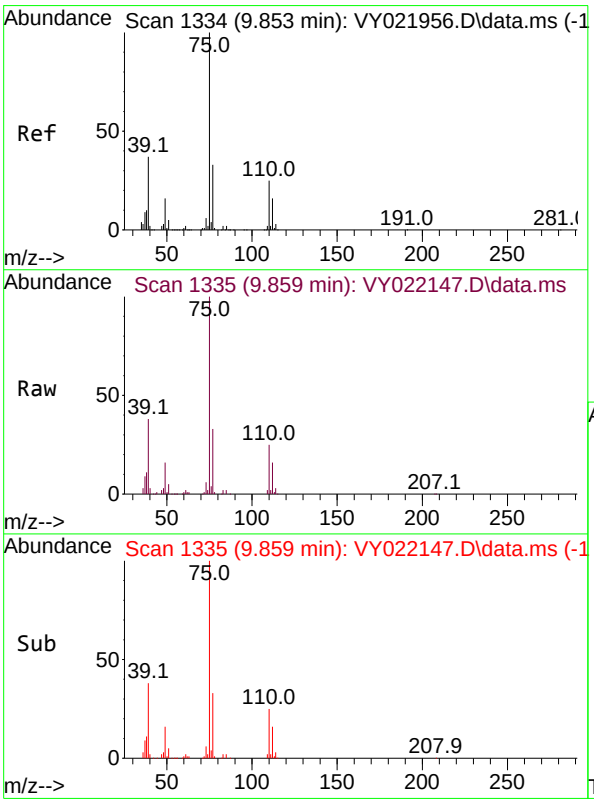
#53
t-1,3-Dichloropropene
Concen: 20.194 ug/l
RT: 10.396 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 75 Resp: 72724

Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.0	36.0

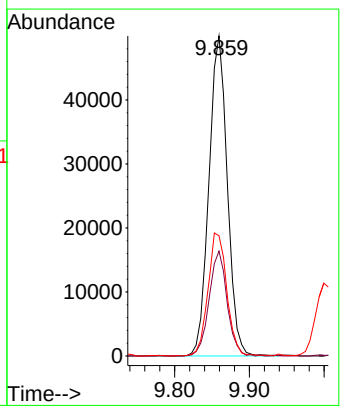


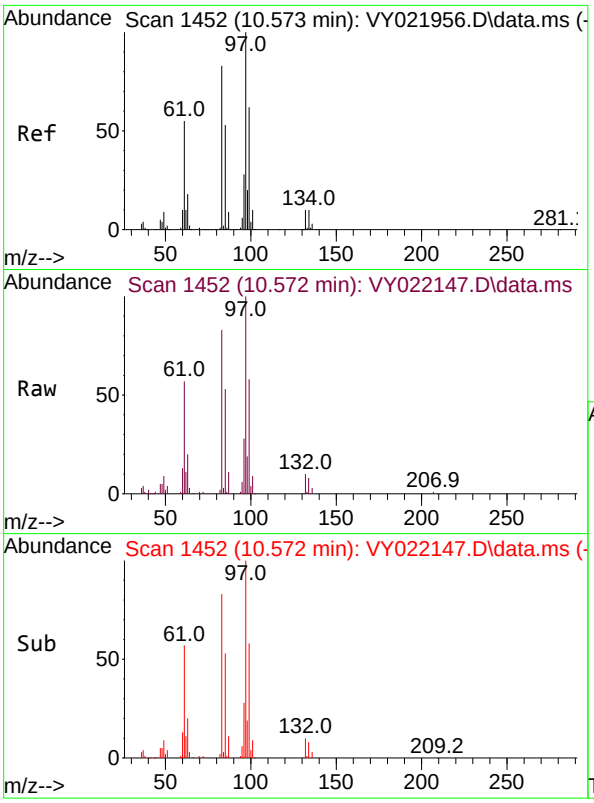


#54
cis-1,3-Dichloropropene
Concen: 20.017 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 85689

Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.6	40.0
39	37.4	29.6	44.4



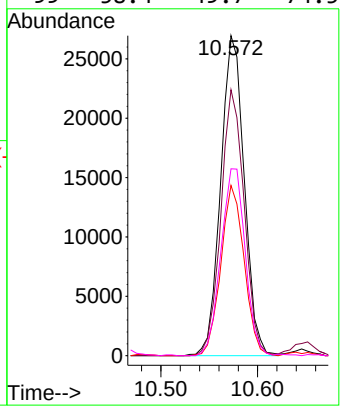


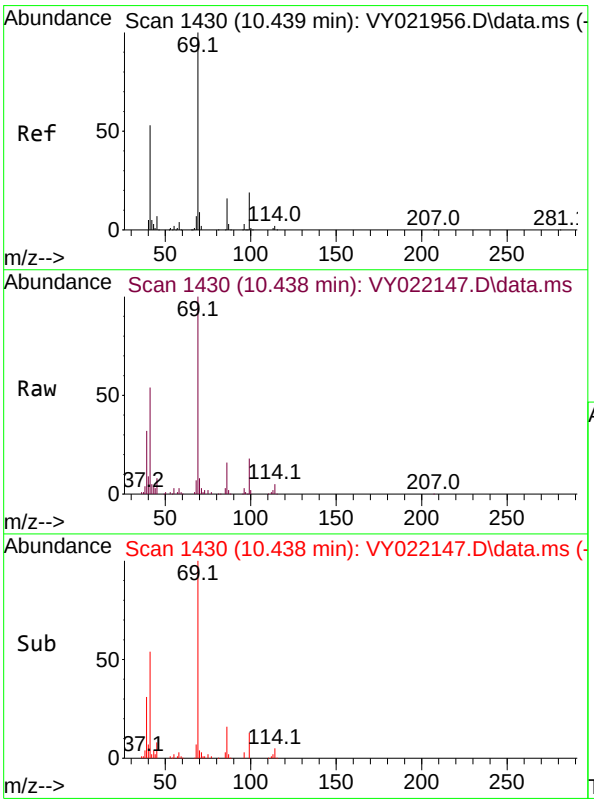
#55
1,1,2-Trichloroethane
Concen: 20.329 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 97 Resp: 45637

Ion	Ratio	Lower	Upper
97	100		
83	83.1	66.7	100.1
85	53.2	42.6	64.0
99	58.4	49.7	74.5

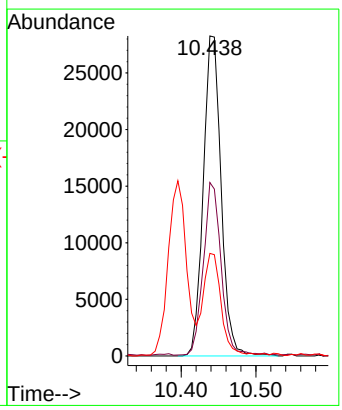


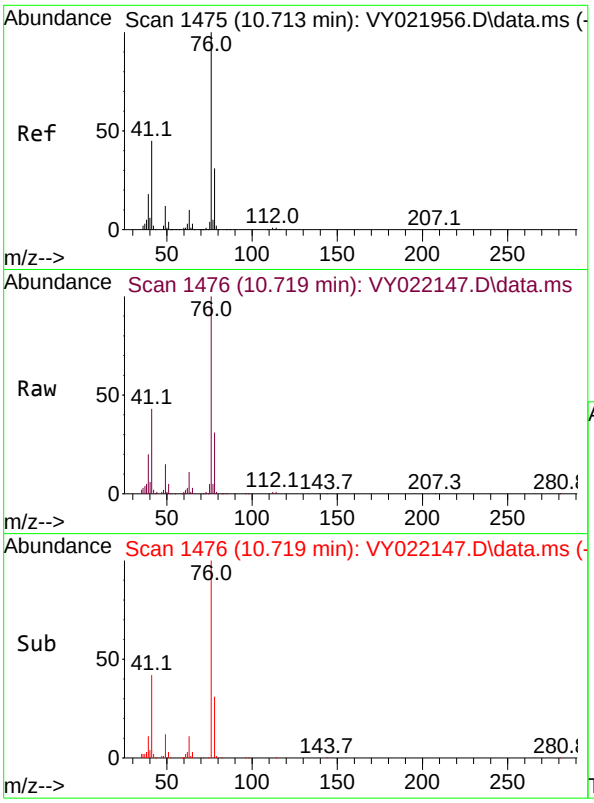


#56
Ethyl methacrylate
Concen: 18.264 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 69 Resp: 46887

Ion	Ratio	Lower	Upper
69	100		
41	53.4	40.7	61.1
39	30.8	23.3	34.9



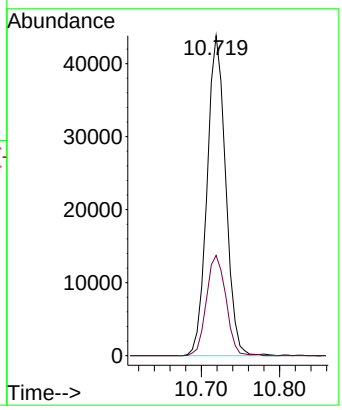


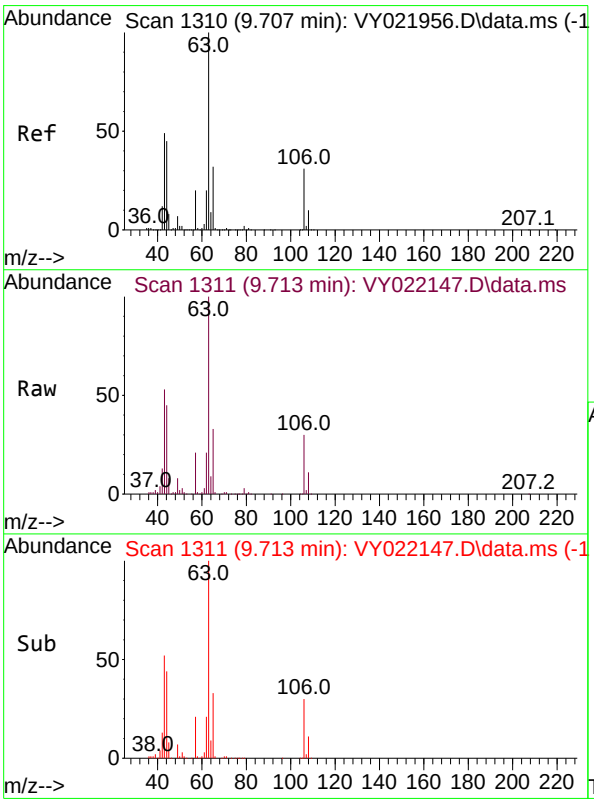
#57
1,3-Dichloropropane
Concen: 20.052 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 76 Resp: 72166

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	39.8

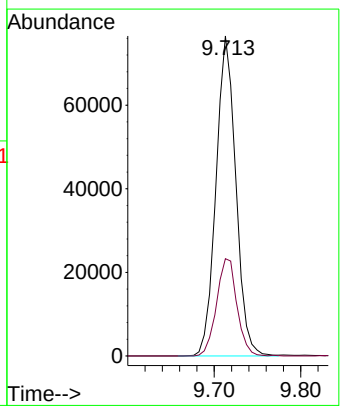


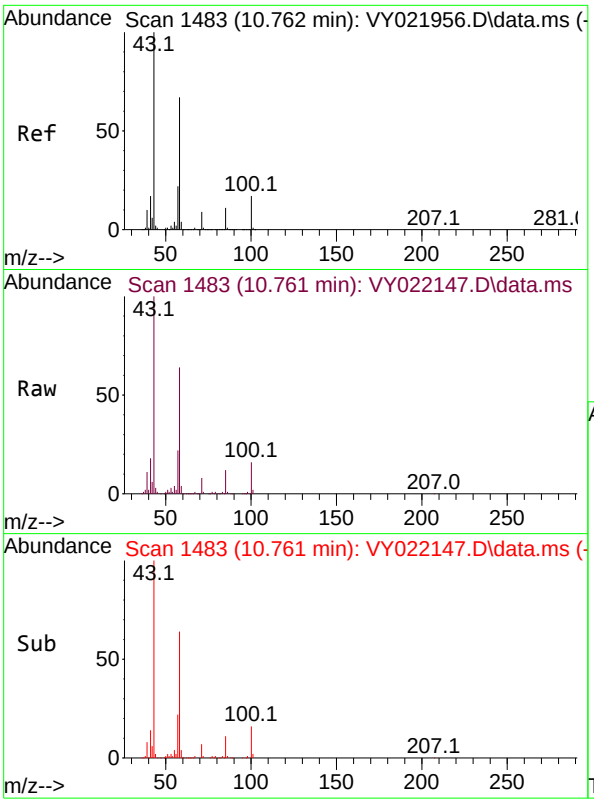


#58
2-Chloroethyl Vinyl ether
Concen: 96.924 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 63 Resp: 121659

Ion	Ratio	Lower	Upper
63	100		
106	31.3	25.3	37.9



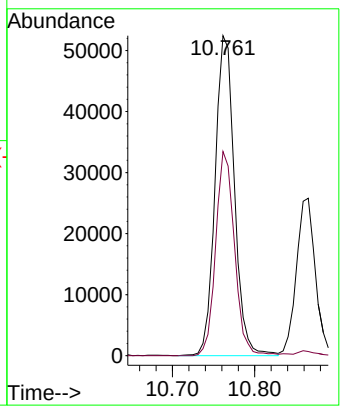


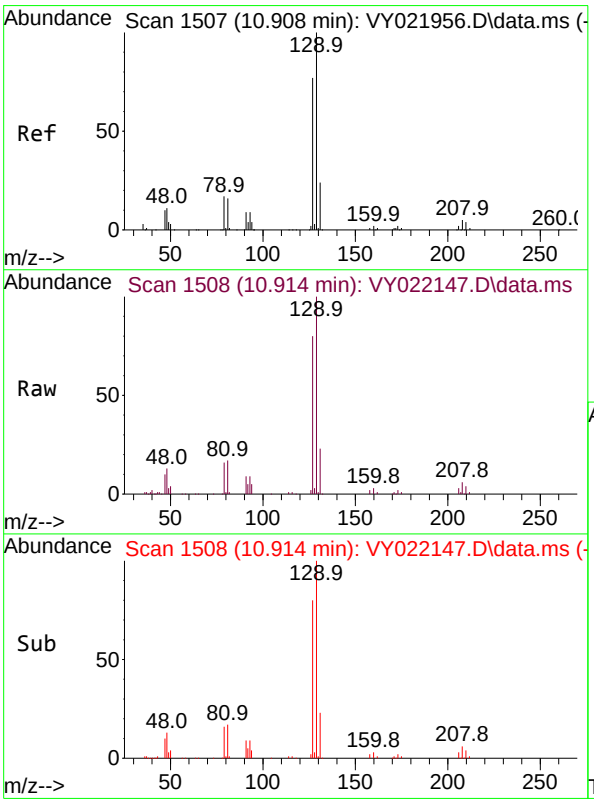
#59
2-Hexanone
Concen: 92.884 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 43 Resp: 86027

Ion	Ratio	Lower	Upper
43	100		
58	61.7	32.0	96.0

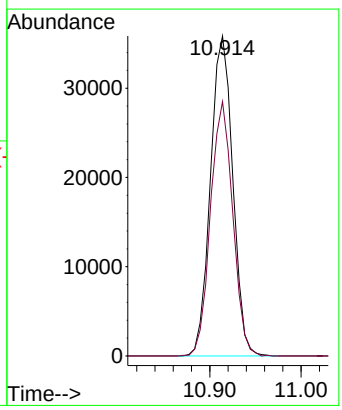


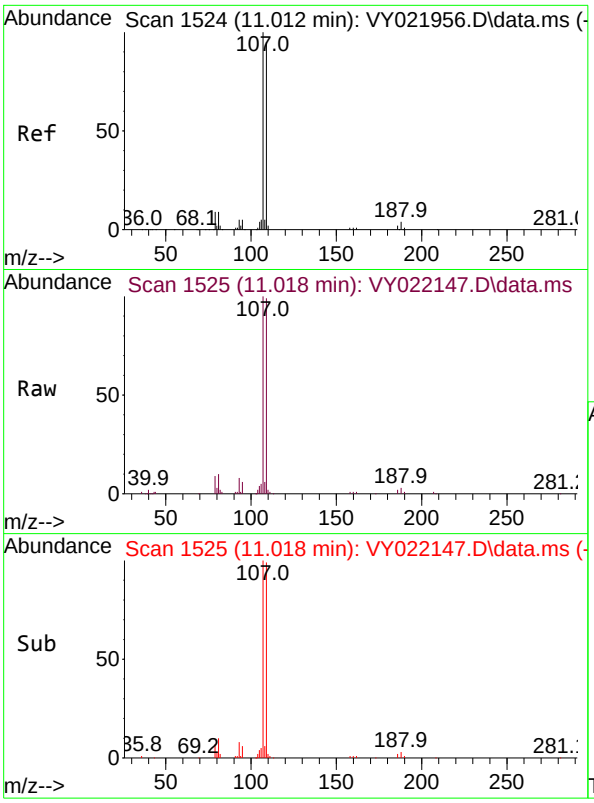


#60
Dibromochloromethane
Concen: 19.509 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:129 Resp: 60636

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.3



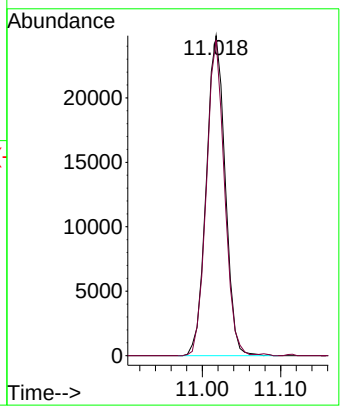


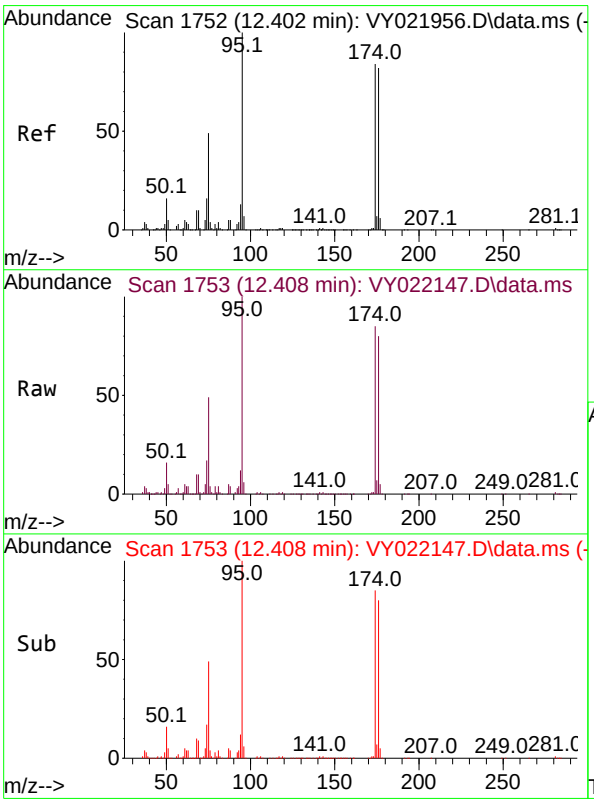
#61
1,2-Dibromoethane
Concen: 19.572 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:107 Resp: 41480

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8

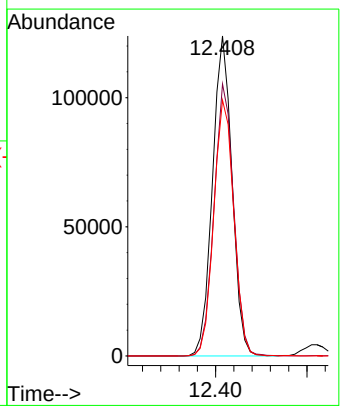


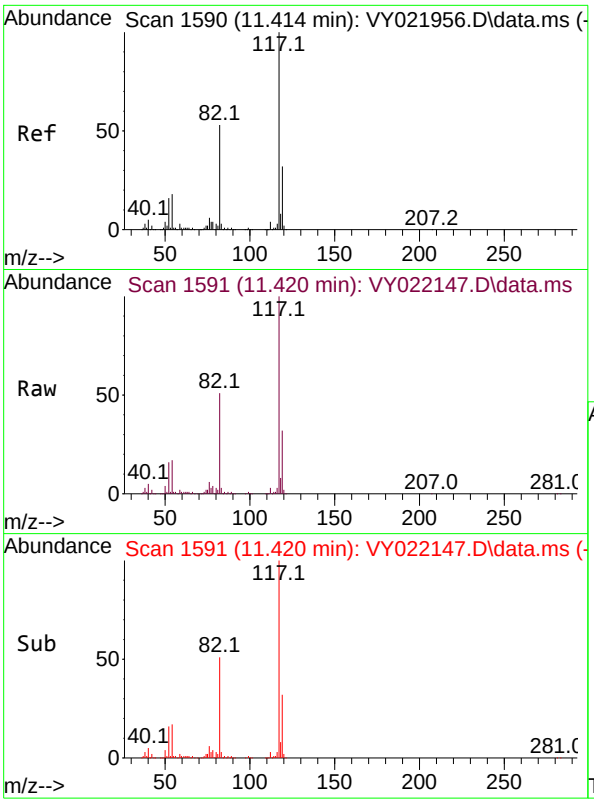


#62
4-Bromofluorobenzene
Concen: 50.125 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 95 Resp: 183926

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	179.0
176	82.2	0.0	171.8



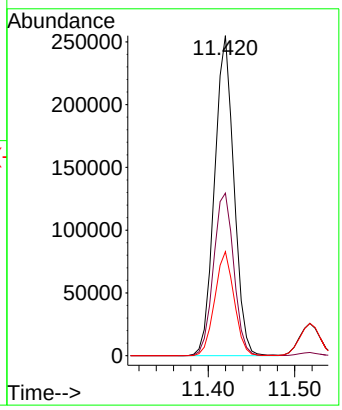


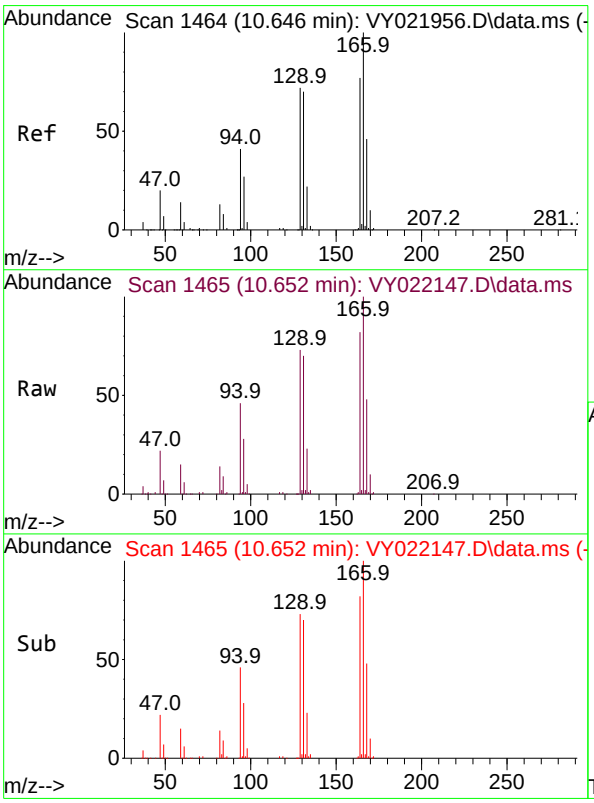
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:117 Resp: 395977

Ion	Ratio	Lower	Upper
117	100		
82	50.8	42.1	63.1
119	32.5	25.7	38.5

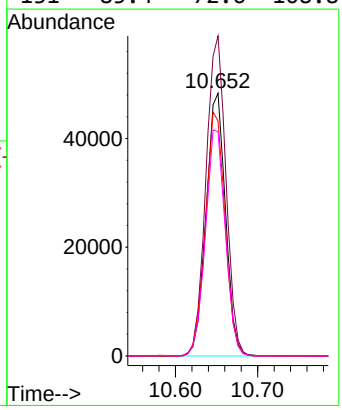


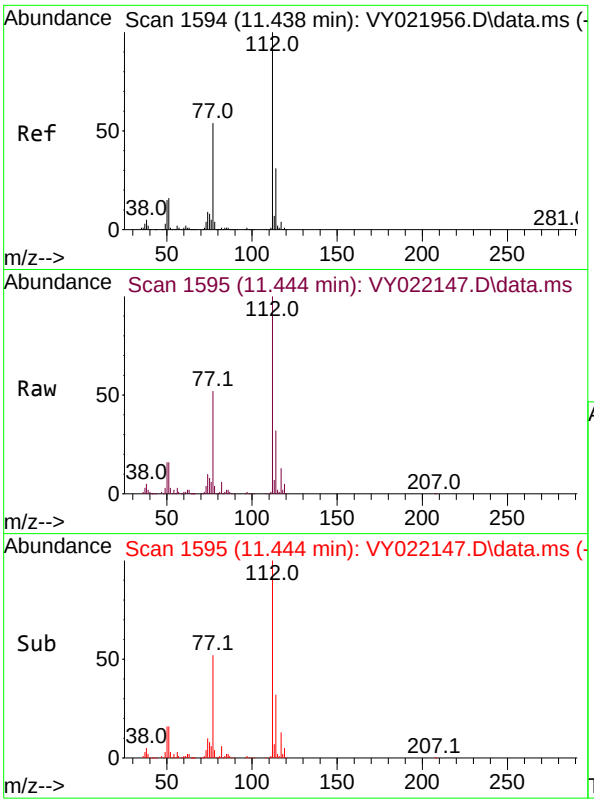


#64
Tetrachloroethene
Concen: 21.251 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:164 Resp: 79383

Ion	Ratio	Lower	Upper
164	100		
166	121.8	103.6	155.4
129	89.4	74.2	111.4
131	85.4	72.6	108.8



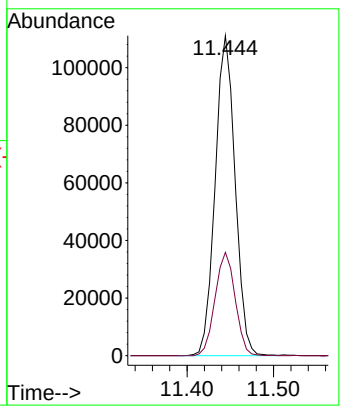


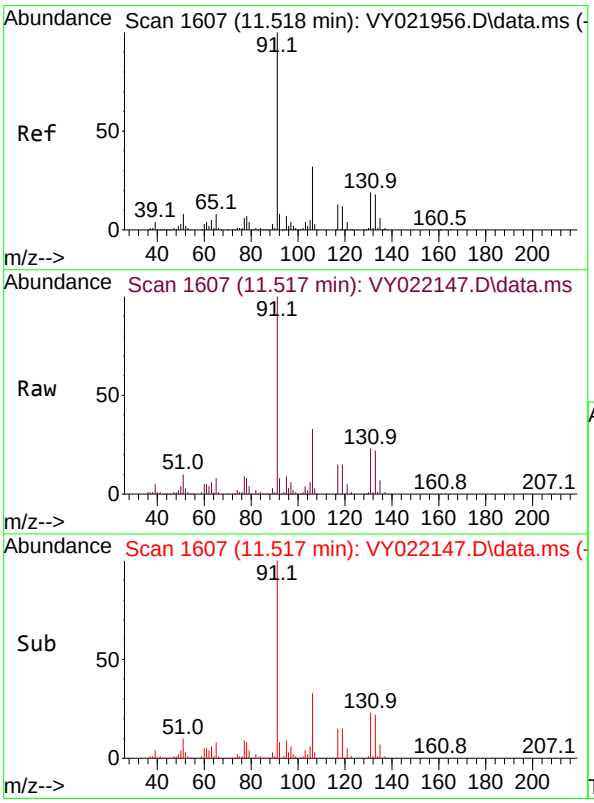
#65
Chlorobenzene
Concen: 20.038 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:112 Resp: 177439

Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4

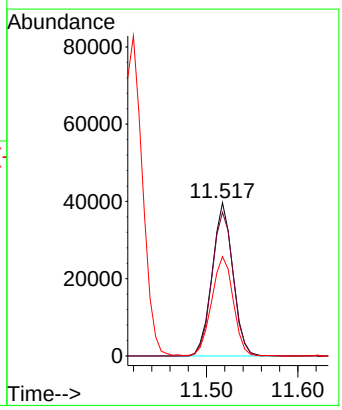


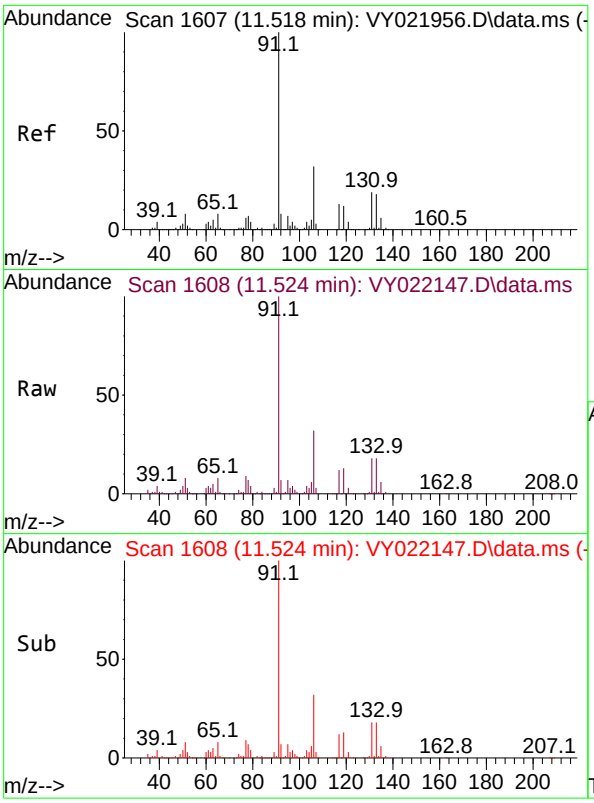


#66
1,1,1,2-Tetrachloroethane
Concen: 20.042 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:131 Resp: 62480

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.8	143.3
119	67.7	32.4	97.0



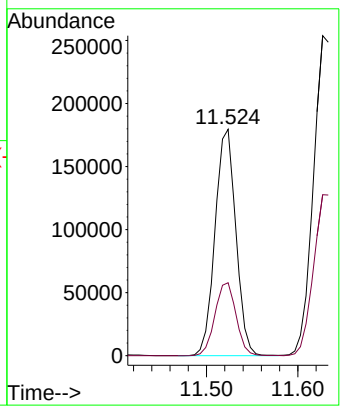


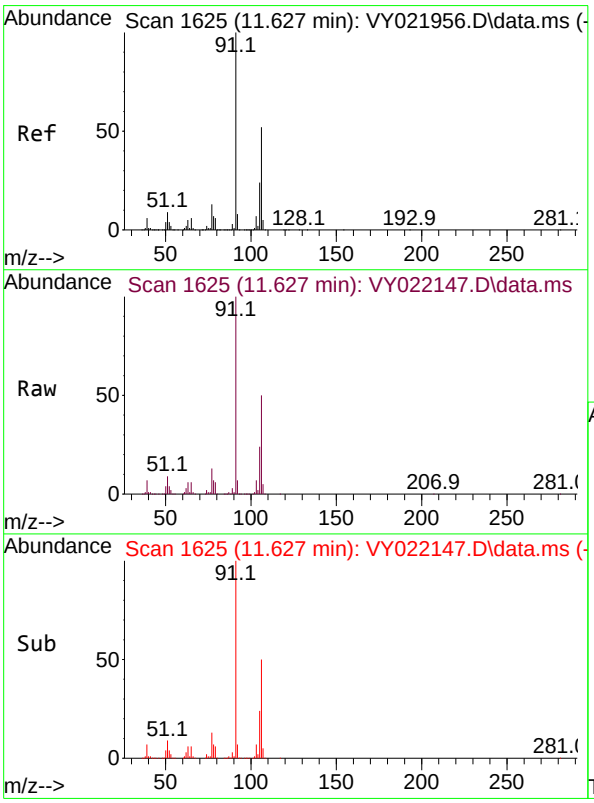
#67
Ethyl Benzene
Concen: 19.639 ug/l
RT: 11.524 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 91 Resp: 284474

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.9	38.9

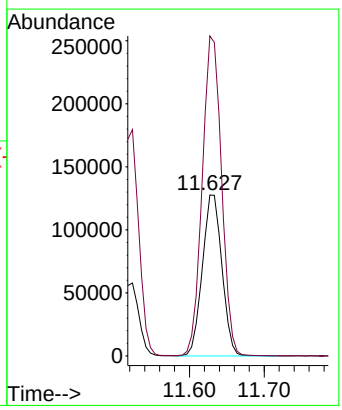


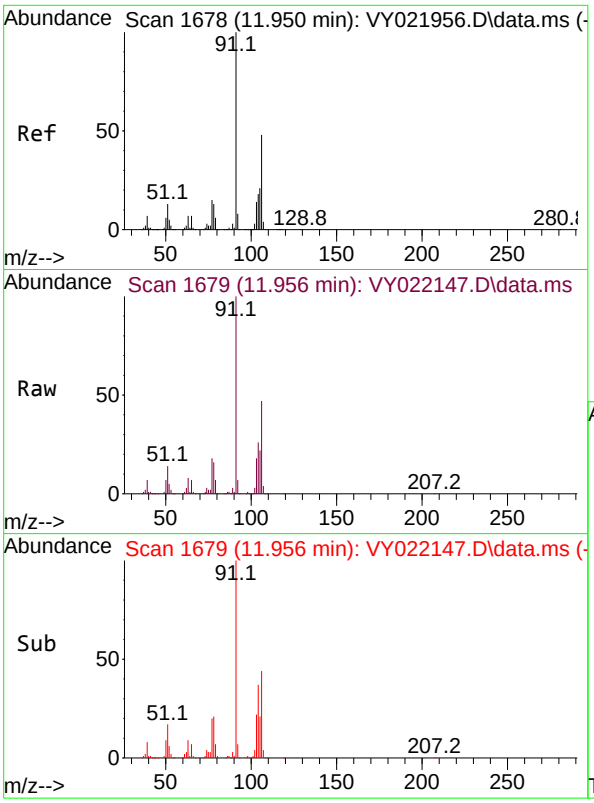


#68
m/p-Xylenes
Concen: 40.298 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:106 Resp: 232280

Ion	Ratio	Lower	Upper
106	100		
91	196.4	156.2	234.2



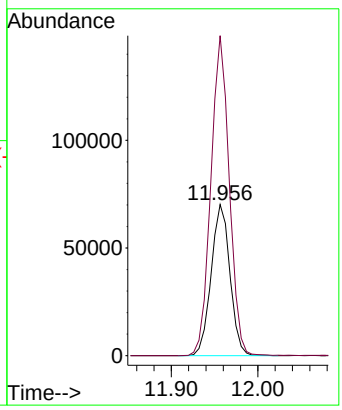


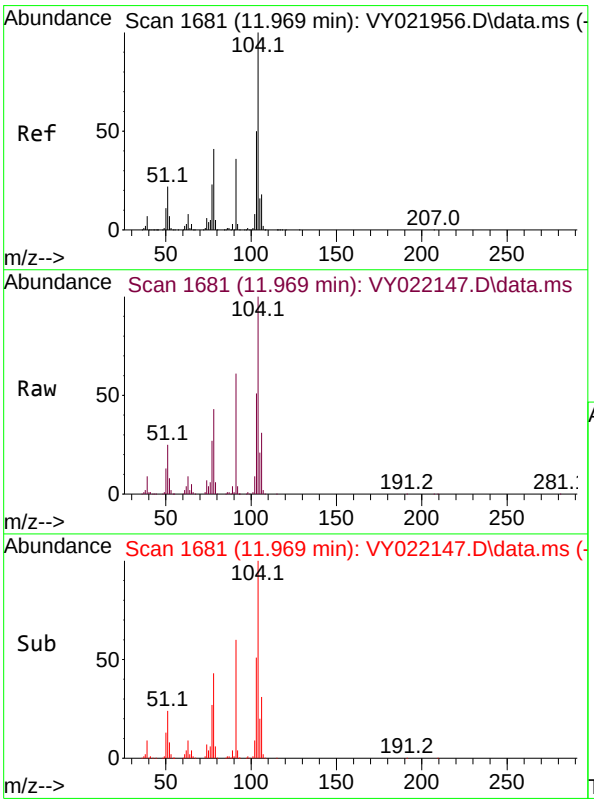
#69
o-Xylene
Concen: 19.902 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:106 Resp: 105732

Ion	Ratio	Lower	Upper
106	100		
91	207.7	103.0	308.9

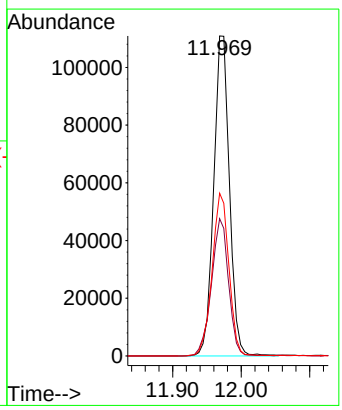


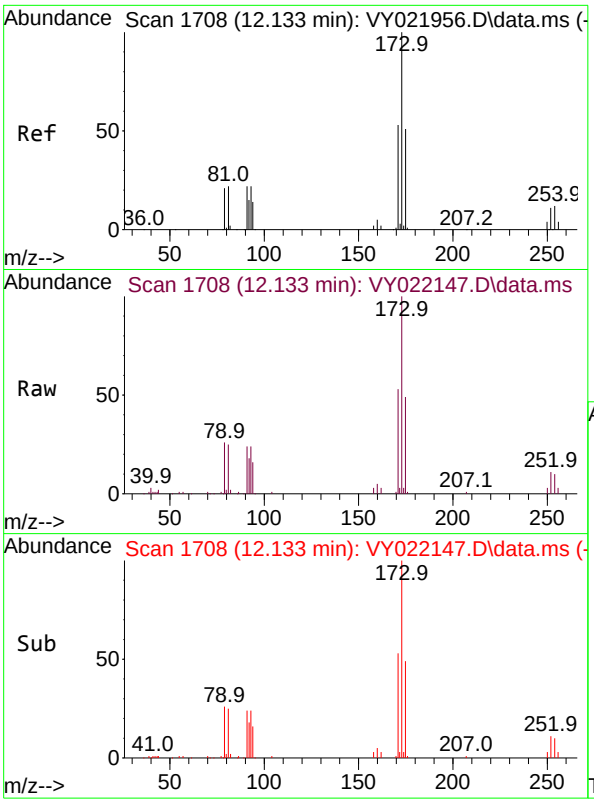


#70
Styrene
Concen: 19.824 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:104 Resp: 176830

Ion	Ratio	Lower	Upper
104	100		
78	46.6	36.6	54.8
103	54.4	43.8	65.8



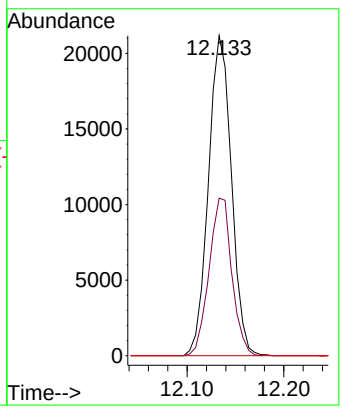


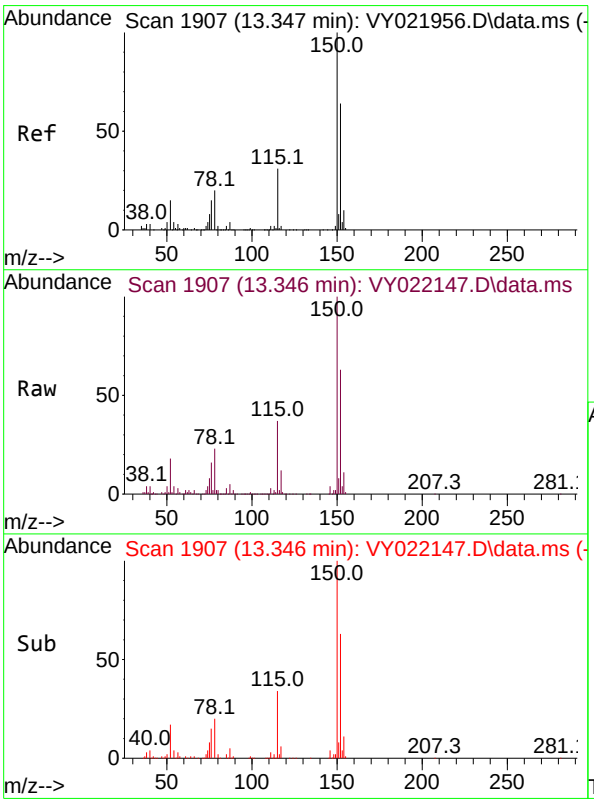
#71
Bromoform
Concen: 19.281 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:173 Resp: 34946

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

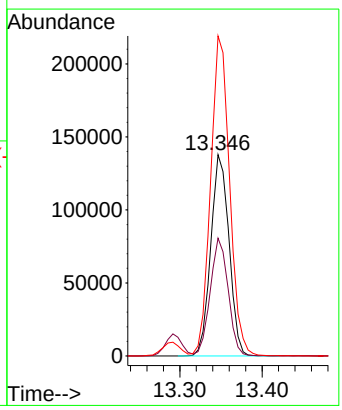


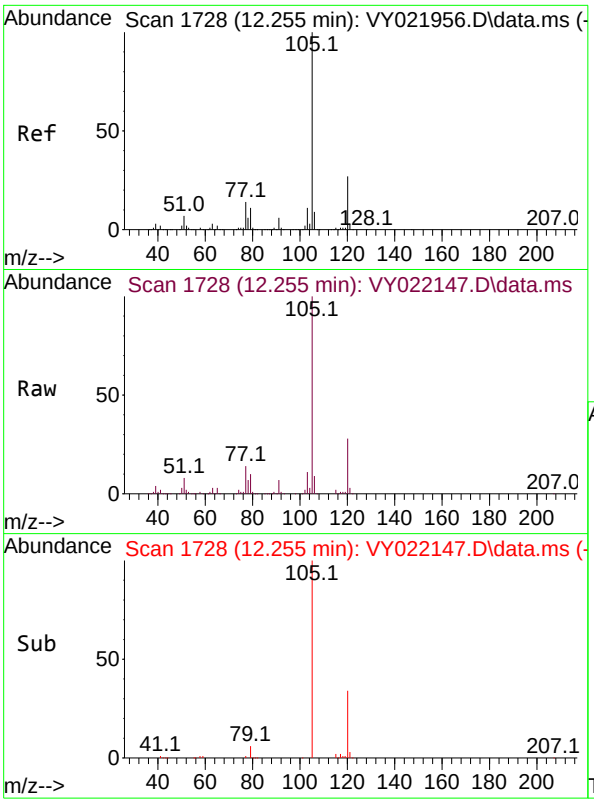


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:152 Resp: 212383

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.0	84.0
150	165.6	0.0	345.6



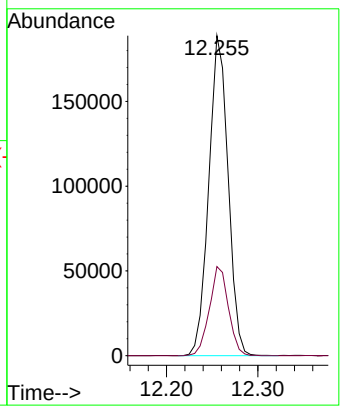


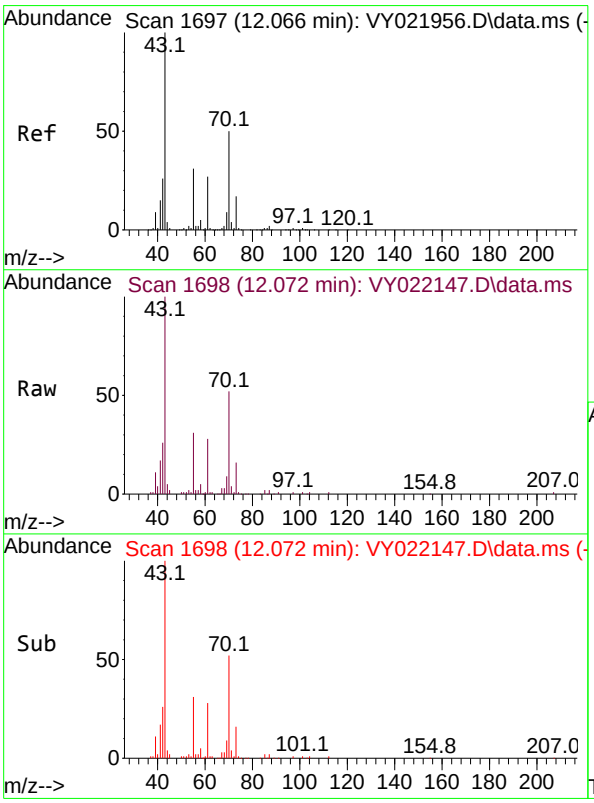
#73
Isopropylbenzene
Concen: 19.517 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:105 Resp: 276933

Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.5

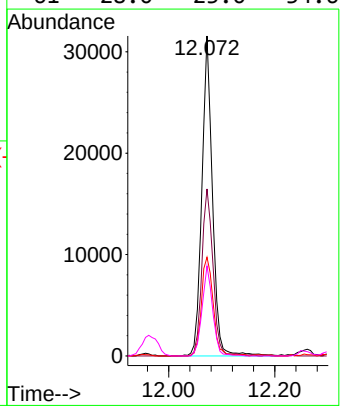


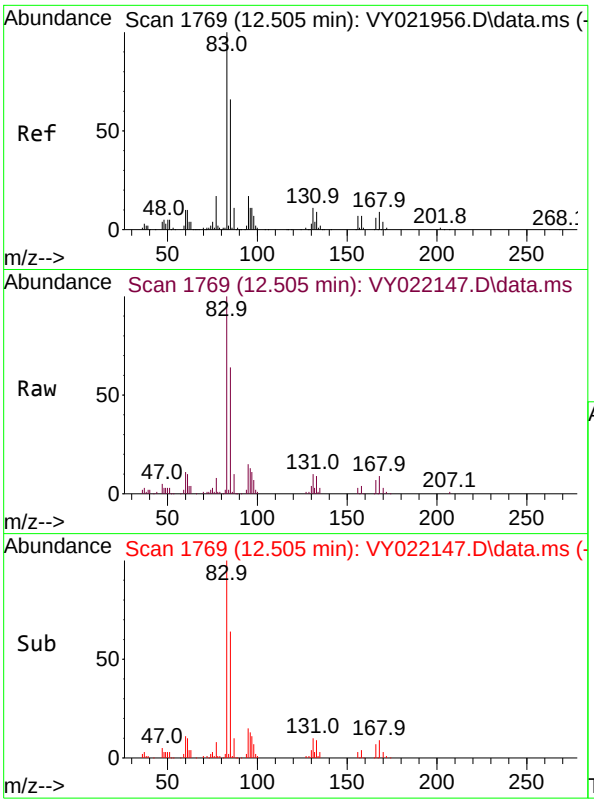


#74
N-amyl acetate
Concen: 18.014 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 43 Resp: 43915

Ion	Ratio	Lower	Upper
43	100		
70	55.0	43.2	64.8
55	34.4	25.7	38.5
61	28.0	23.0	34.6



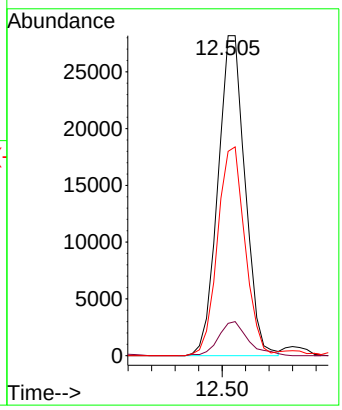


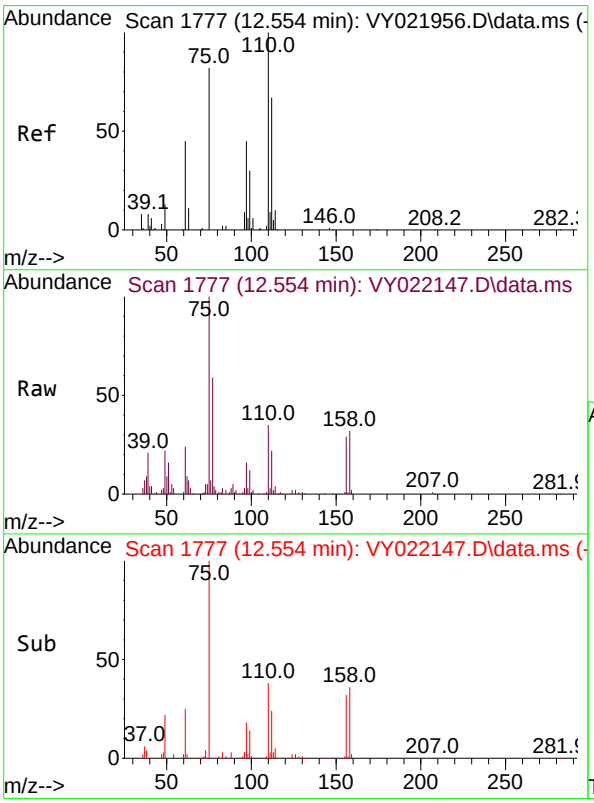
#75
1,1,2,2-Tetrachloroethane
Concen: 18.928 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 83 Resp: 45282

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.4
85	66.1	32.3	96.8

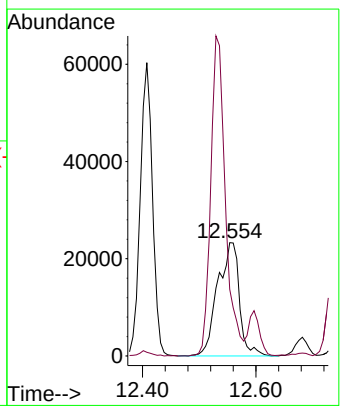


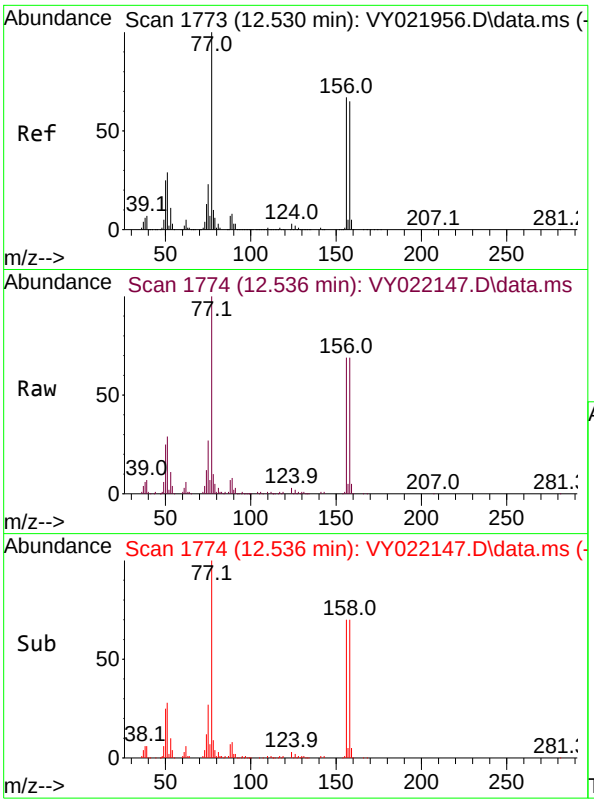


#76
1,2,3-Trichloropropane
Concen: 34.098 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 62030

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



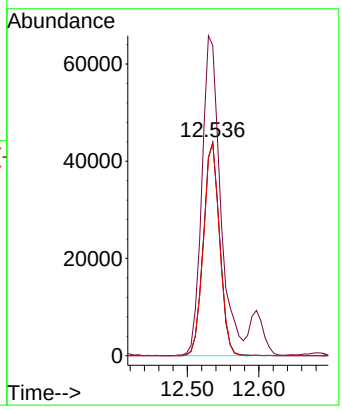


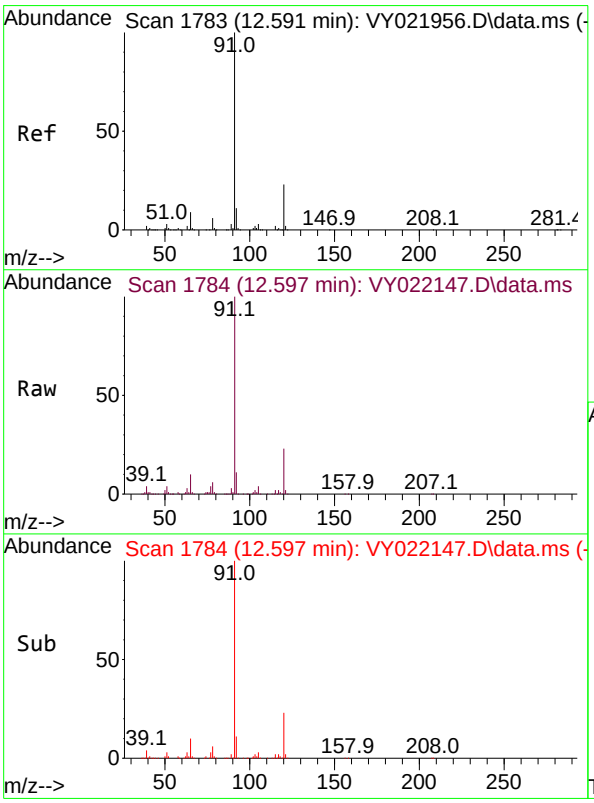
#77
Bromobenzene
Concen: 19.332 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:156 Resp: 69315

Ion	Ratio	Lower	Upper
156	100		
77	171.1	82.7	248.1
158	99.3	48.1	144.4

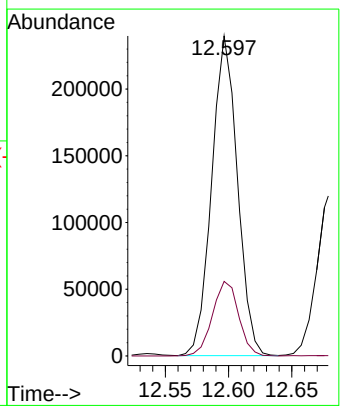


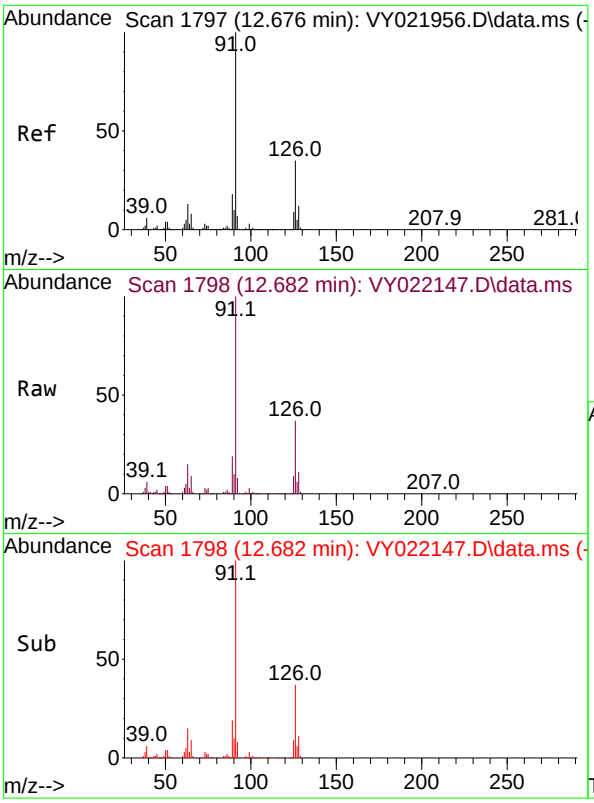


#78
n-propylbenzene
Concen: 20.055 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 338881

Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5



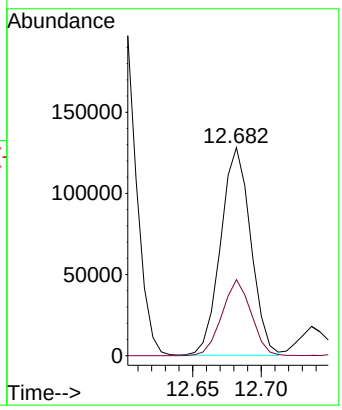


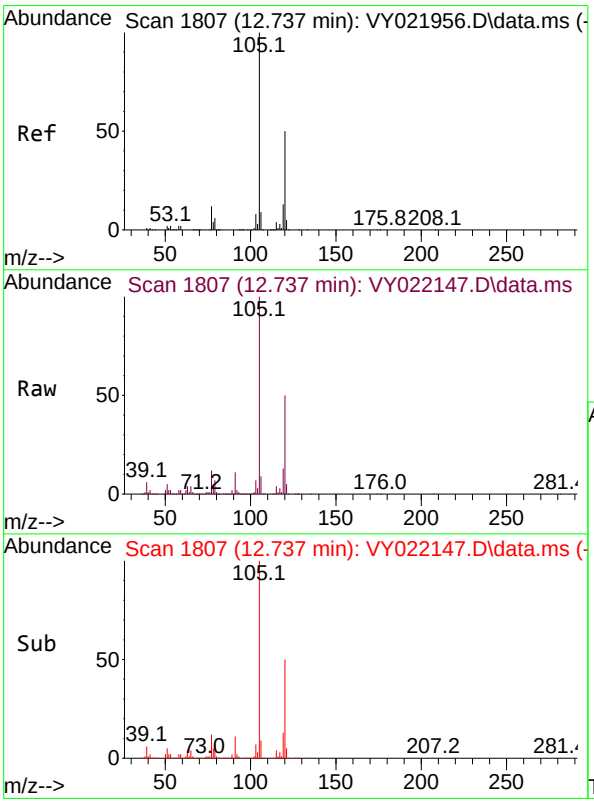
#79
2-Chlorotoluene
Concen: 19.923 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 91 Resp: 195791

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.8

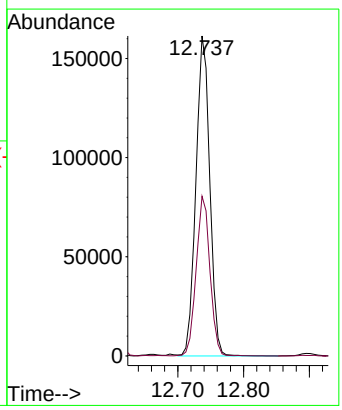


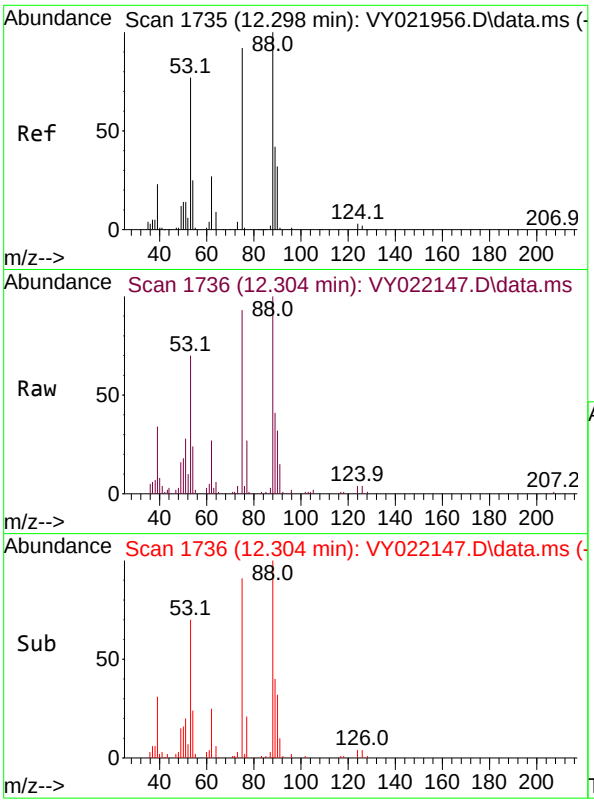


#80
1,3,5-Trimethylbenzene
Concen: 20.129 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:105 Resp: 235339

Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.0	75.0



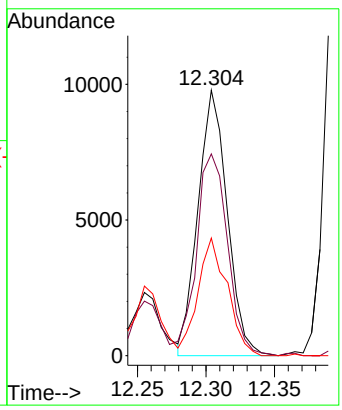


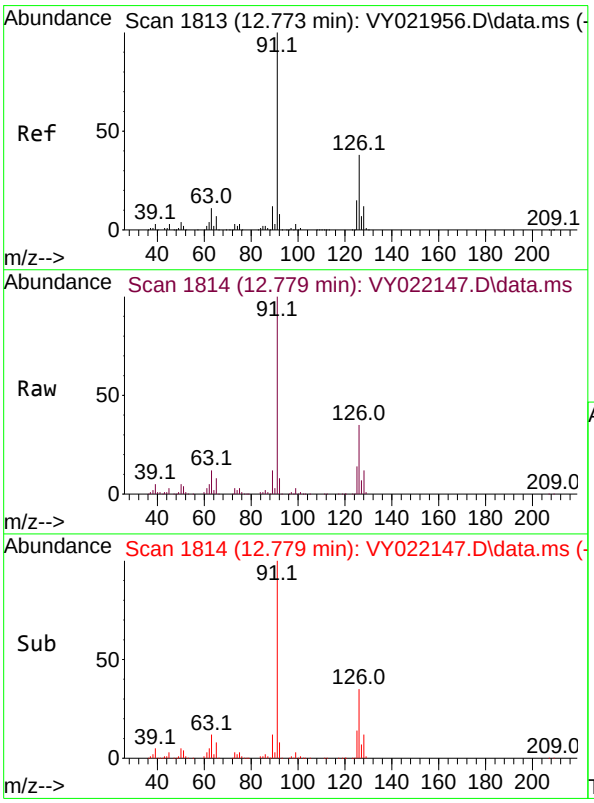
#81
trans-1,4-Dichloro-2-butene
Concen: 19.255 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 75 Resp: 14546

Ion	Ratio	Lower	Upper
75	100		
53	81.1	66.0	99.0
89	44.5	37.2	55.8

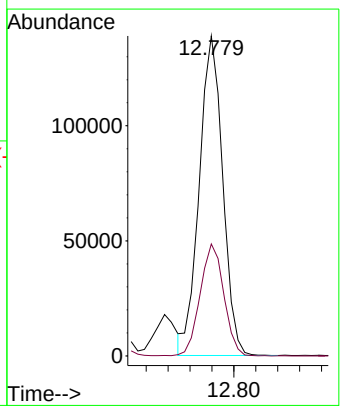


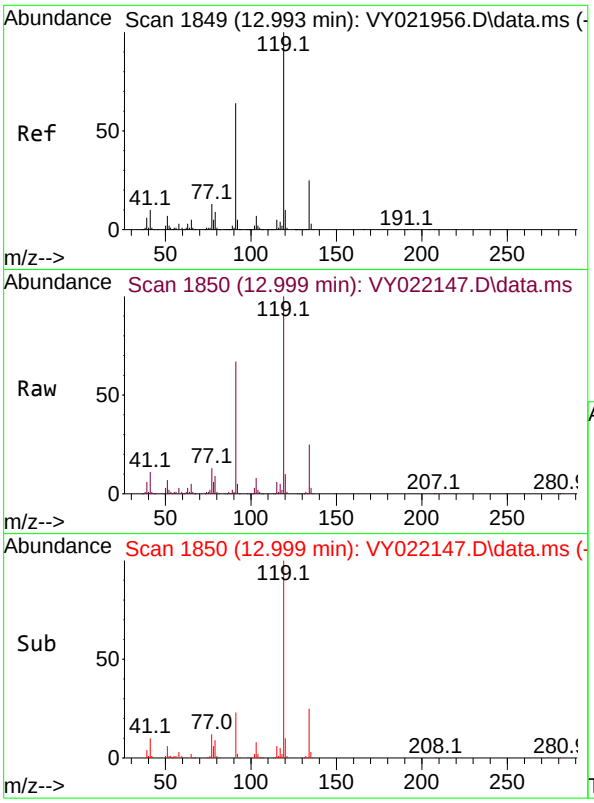


#82
4-Chlorotoluene
Concen: 20.188 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 91 Resp: 206233

Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.9	53.8



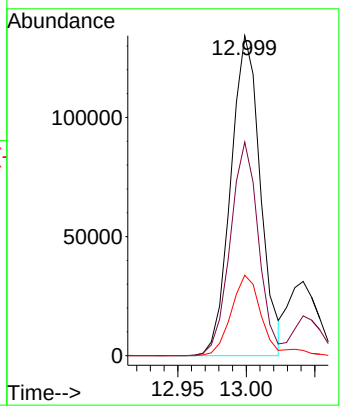


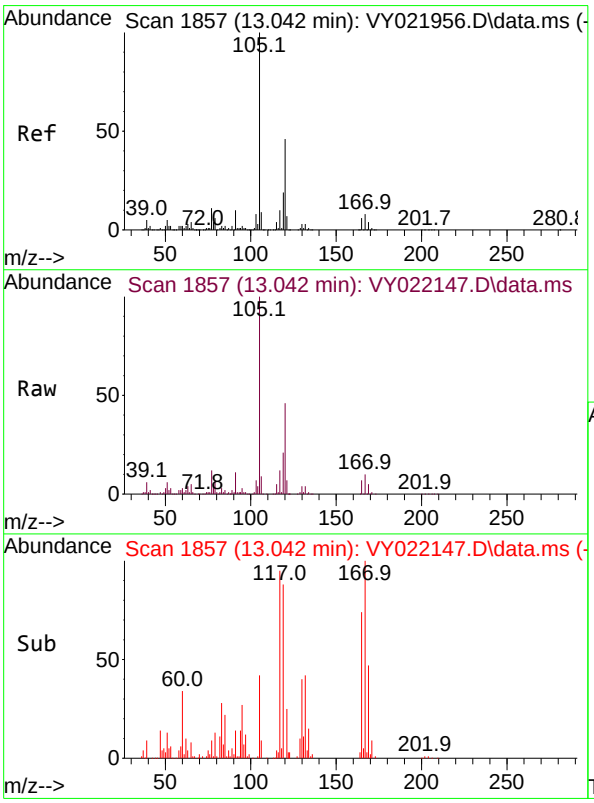
#83
tert-Butylbenzene
Concen: 19.219 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:119 Resp: 201521

Ion	Ratio	Lower	Upper
119	100		
91	63.9	30.3	90.9
134	26.3	12.9	38.7

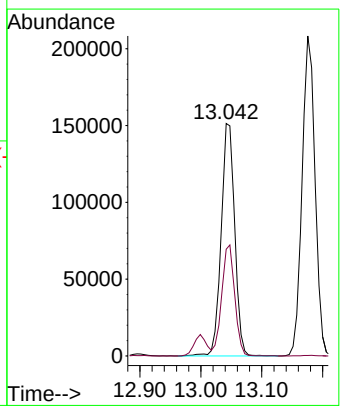


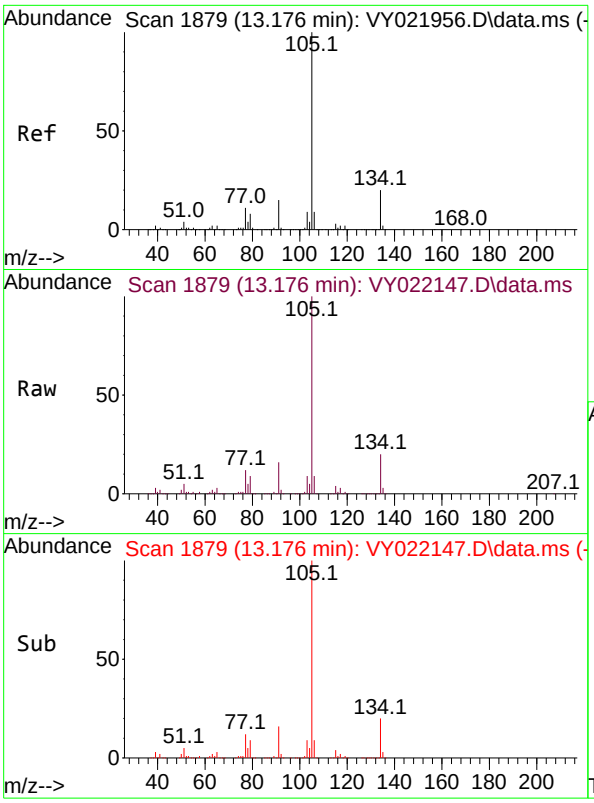


#84
1,2,4-Trimethylbenzene
Concen: 20.045 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:105 Resp: 234406

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.4	70.0



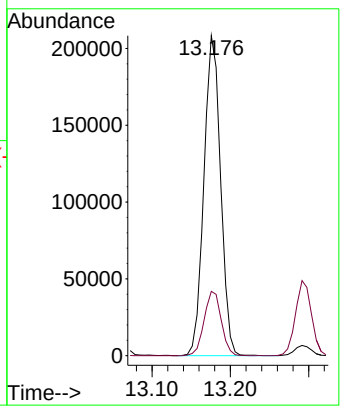


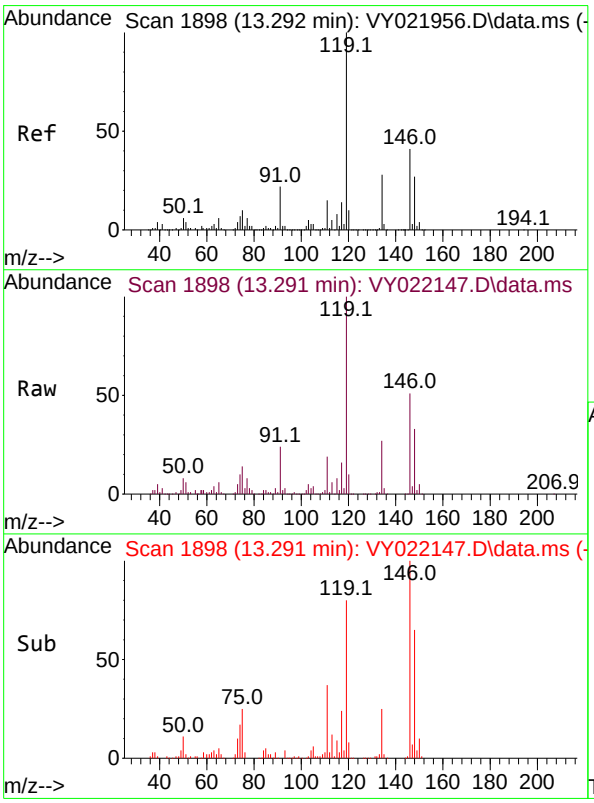
#85
sec-Butylbenzene
Concen: 20.041 ug/l
RT: 13.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:105 Resp: 307501

Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

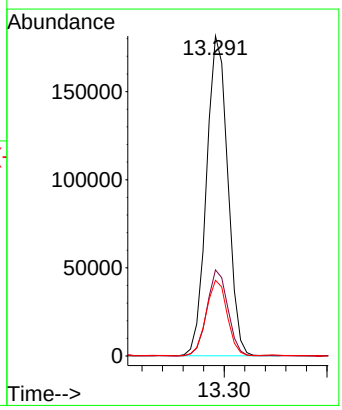


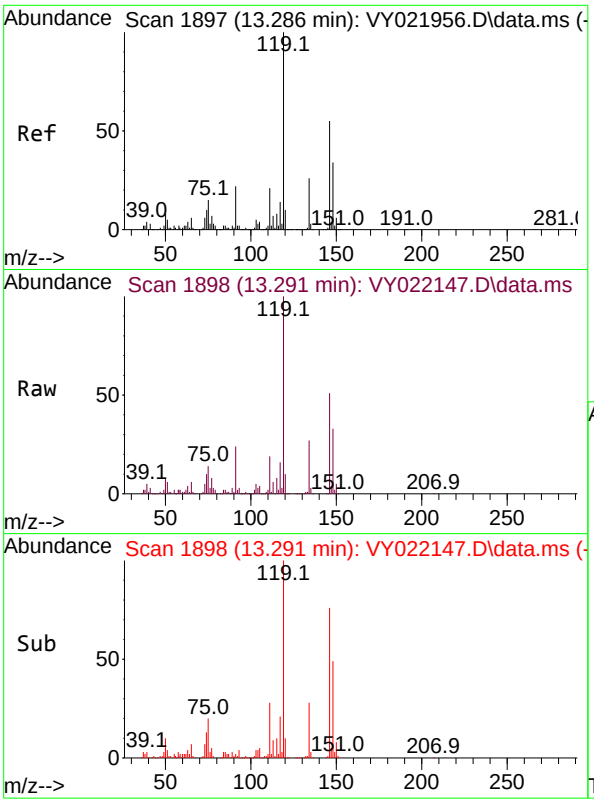


#86
p-Isopropyltoluene
Concen: 19.960 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:119 Resp: 260054

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	23.3	11.0	33.0



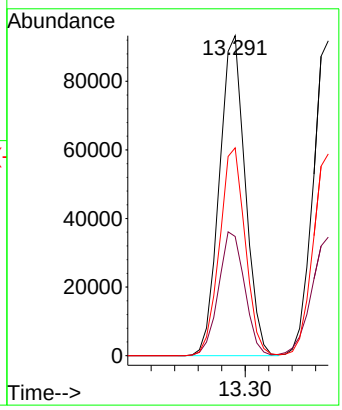


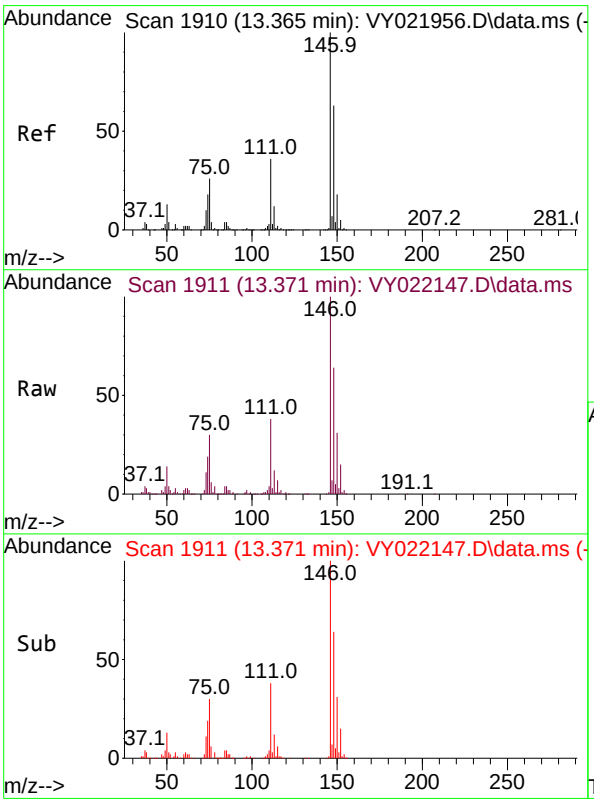
#87
1,3-Dichlorobenzene
Concen: 19.604 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:146 Resp: 142760

Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.5
148	64.5	32.0	96.2

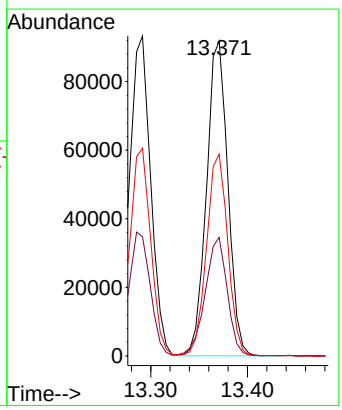


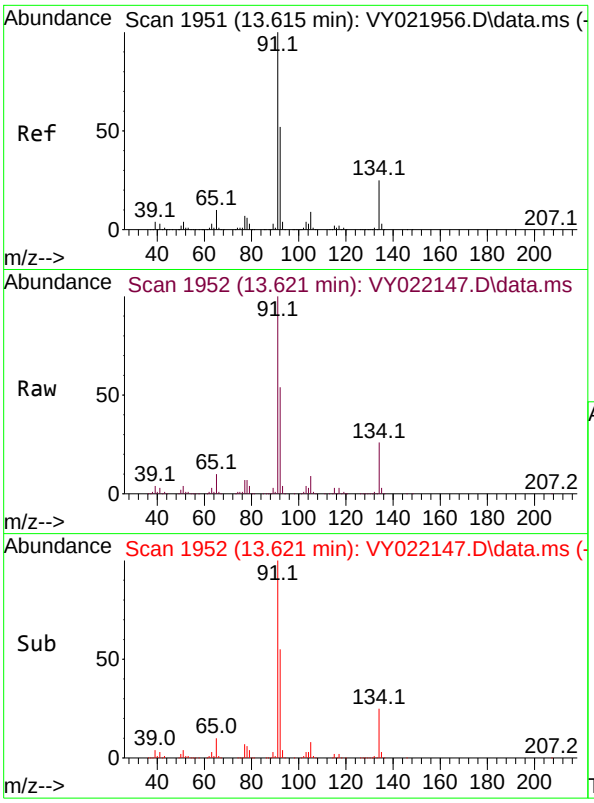


#88
1,4-Dichlorobenzene
Concen: 19.507 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:146 Resp: 140689

Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.2	57.6
148	63.9	32.0	96.0



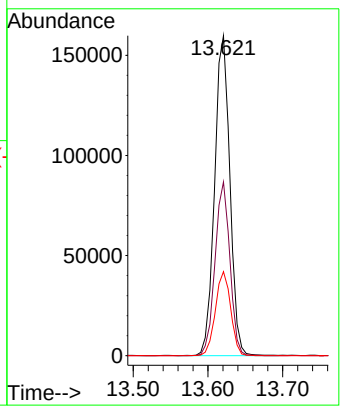


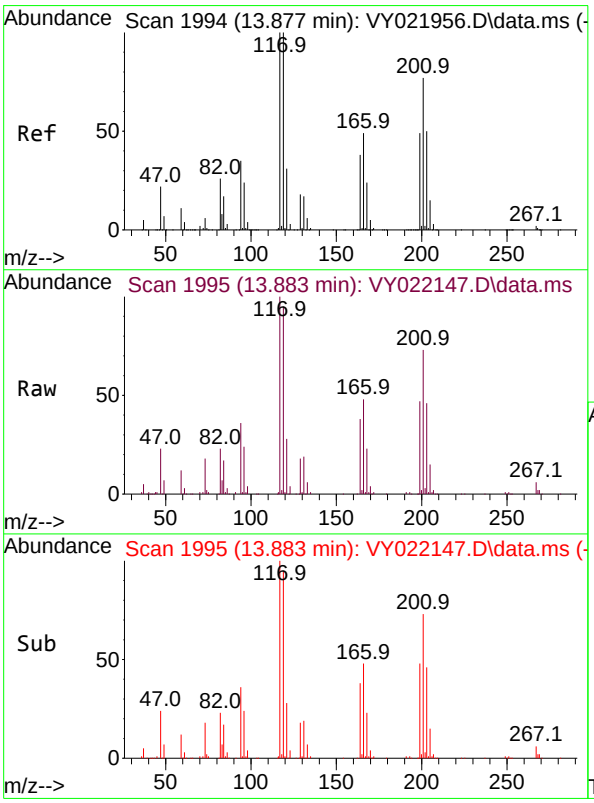
#89
n-Butylbenzene
Concen: 19.510 ug/l
RT: 13.621 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion: 91 Resp: 227203

Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	26.3	13.4	40.1

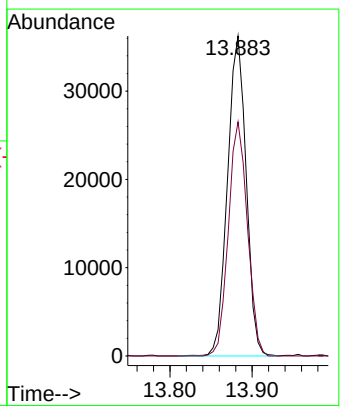


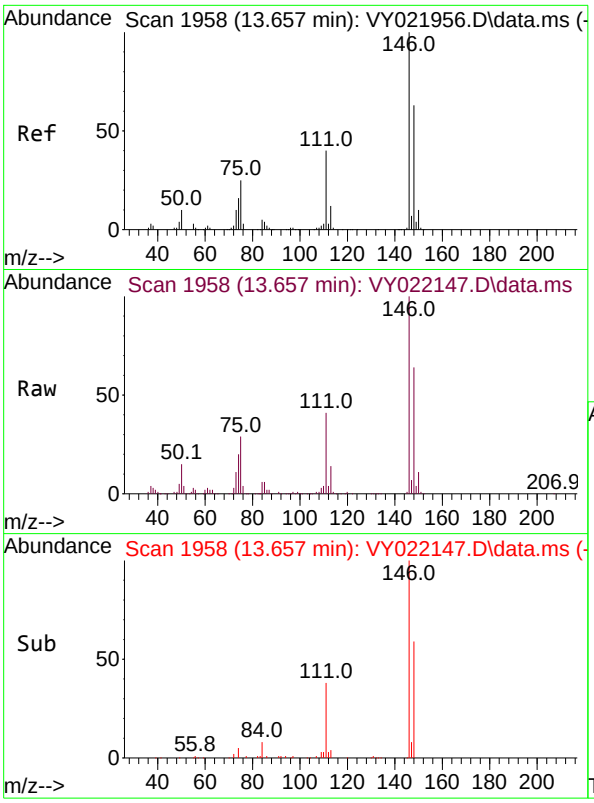


#90
Hexachloroethane
Concen: 19.985 ug/l
RT: 13.883 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:117 Resp: 57209

Ion	Ratio	Lower	Upper
117	100		
201	74.6	38.7	116.1



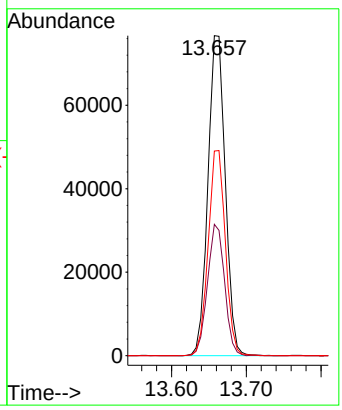


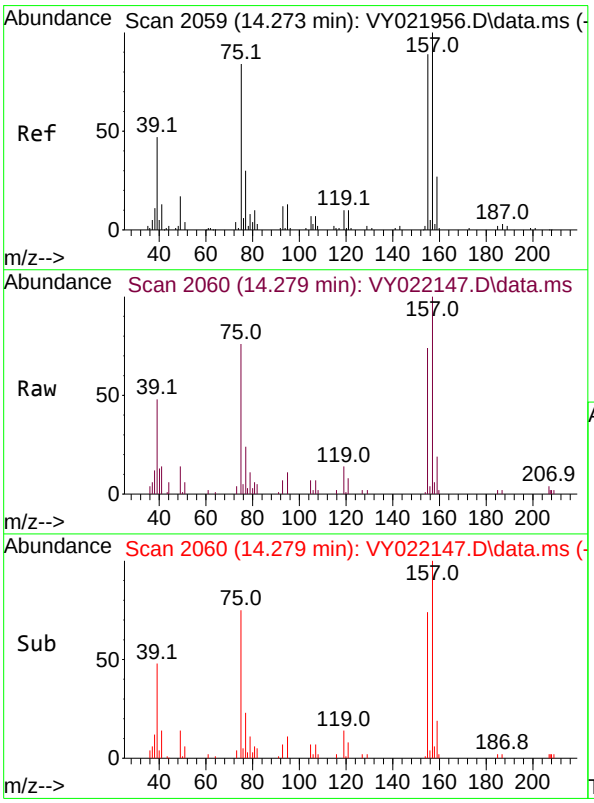
#91
1,2-Dichlorobenzene
Concen: 19.410 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:146 Resp: 123286

Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.7	59.1
148	63.5	32.1	96.3

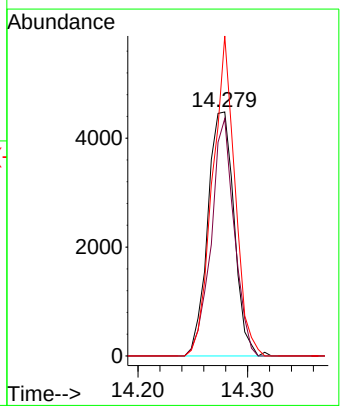


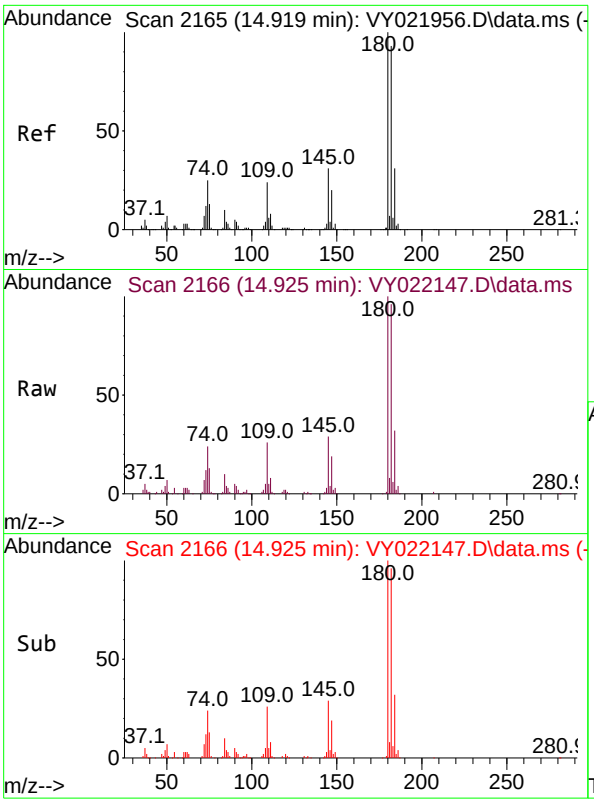


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.624 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion: 75 Resp: 7469

Ion	Ratio	Lower	Upper
75	100		
155	85.3	50.7	152.3
157	112.1	62.6	187.8



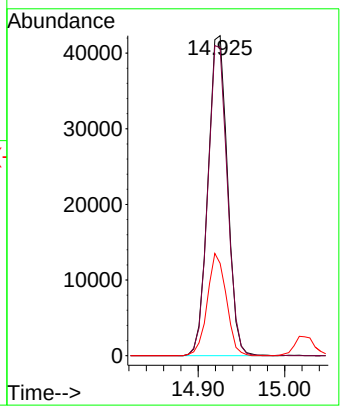


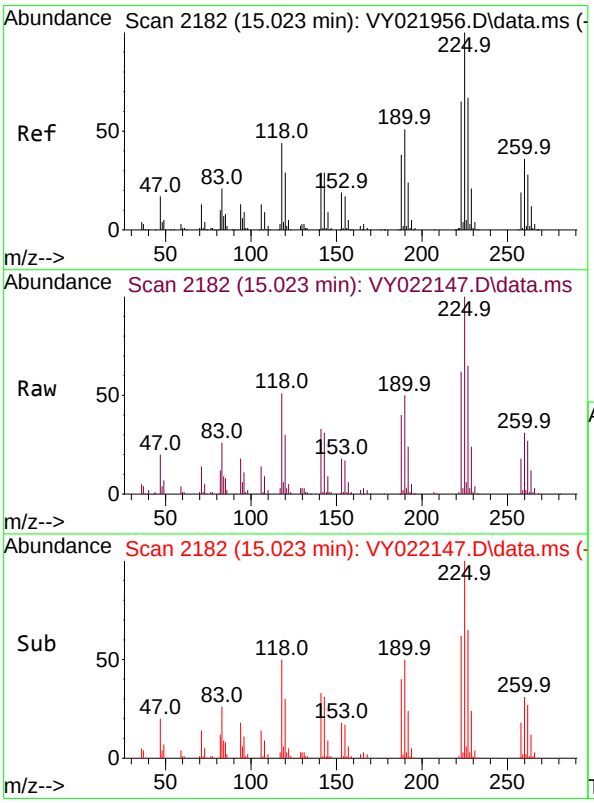
#93
1,2,4-Trichlorobenzene
Concen: 18.371 ug/l
RT: 14.925 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:180 Resp: 66121

Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.1	141.4
145	31.1	15.0	45.0

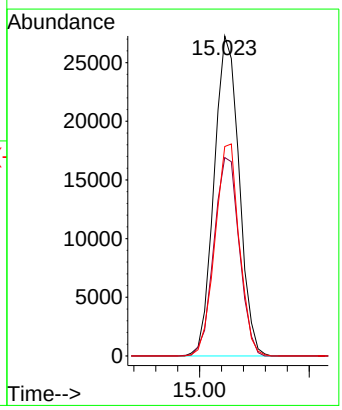


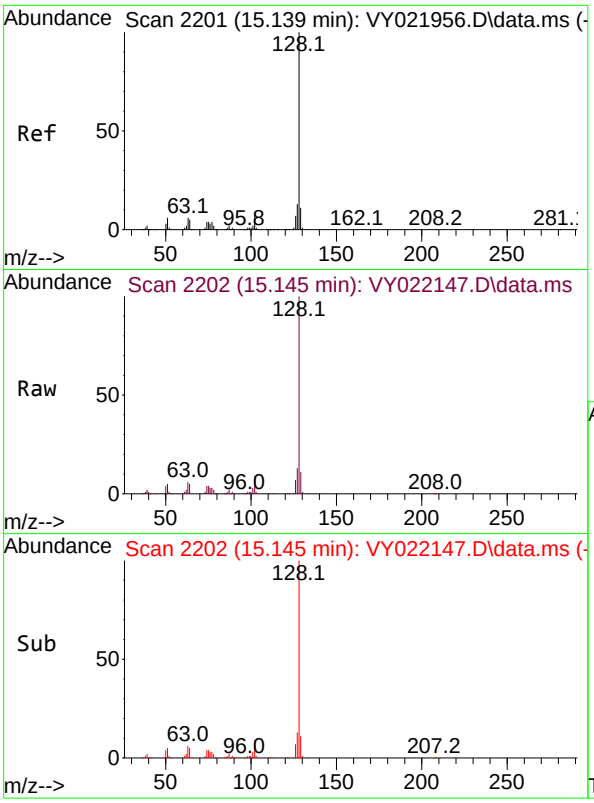


#94
Hexachlorobutadiene
Concen: 19.479 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:225 Resp: 43136

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	64.6	32.3	96.9



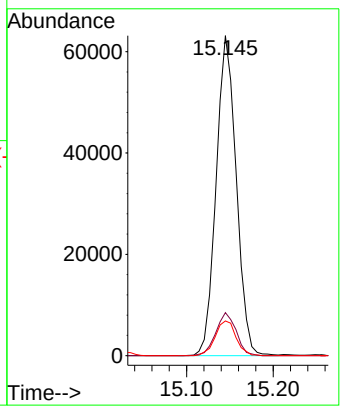


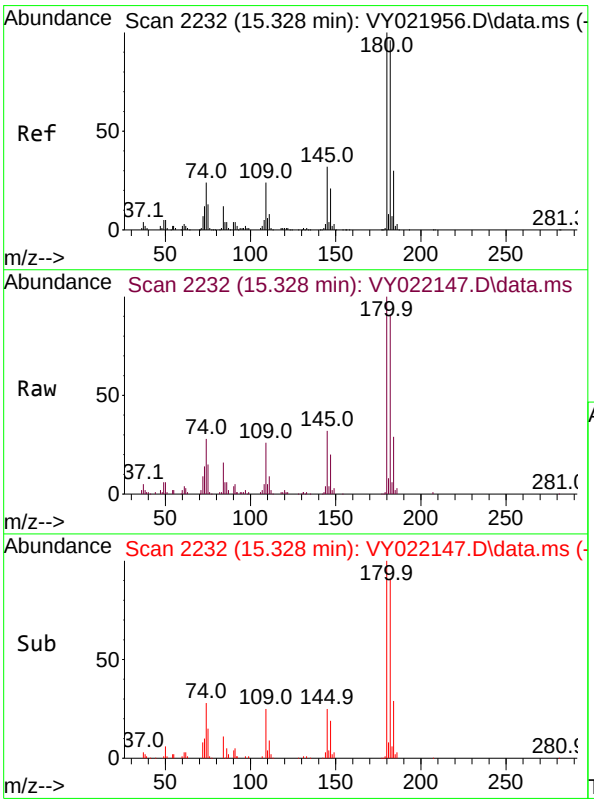
#95
Naphthalene
Concen: 17.031 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Instrument :
MSVOA_Y
ClientSampleId :
VY0505SBS01

Tgt Ion:128 Resp: 101830

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.3	8.9	13.3

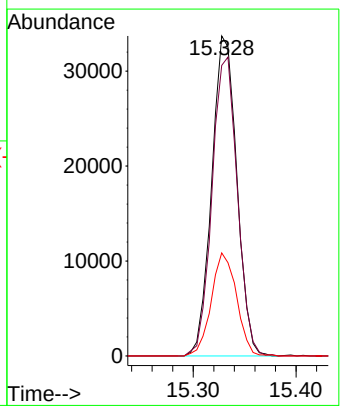




#96
1,2,3-Trichlorobenzene
Concen: 18.385 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022147.D
Acq: 05 May 2025 09:55

Tgt Ion:180 Resp: 57120

Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.4
145	32.5	16.0	48.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	217147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	341688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	323650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	104649	52.175	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.340%			
35) Dibromofluoromethane	7.634	113	114082	50.537	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.080%			
50) Toluene-d8	10.109	98	441178	51.841	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.680%			
62) 4-Bromofluorobenzene	12.407	95	152772	53.325	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.860	85	74598	40.317	ug/l	99
3) Chloromethane	2.068	50	128364	48.722	ug/l	99
4) Vinyl Chloride	2.202	62	158960	49.098	ug/l	100
5) Bromomethane	2.592	94	126547	45.368	ug/l	100
6) Chloroethane	2.732	64	108101	49.026	ug/l	100
7) Trichlorofluoromethane	3.055	101	190751	44.680	ug/l	98
8) Diethyl Ether	3.458	74	52164	46.944	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.811	101	104019	44.914	ug/l	99
10) Methyl Iodide	4.000	142	127191	47.435	ug/l	99
11) Tert butyl alcohol	4.866	59	27130	246.381	ug/l #	70
12) 1,1-Dichloroethene	3.793	96	97310	45.079	ug/l	97
13) Acrolein	3.653	56	18094	91.553	ug/l	97
14) Allyl chloride	4.384	41	122763	48.841	ug/l	98
15) Acrylonitrile	5.055	53	102268	251.398	ug/l	99
16) Acetone	3.872	43	68973	263.906	ug/l	98
17) Carbon Disulfide	4.104	76	301214	43.763	ug/l	100
18) Methyl Acetate	4.384	43	70025	74.739	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	240426	49.762	ug/l	98
20) Methylene Chloride	4.610	84	117503	46.330	ug/l	94
21) trans-1,2-Dichloroethene	5.110	96	113055	46.764	ug/l	96
22) Diisopropyl ether	6.018	45	294758	52.695	ug/l	98
23) Vinyl Acetate	5.963	43	738196	244.875	ug/l	98
24) 1,1-Dichloroethane	5.921	63	190970	49.254	ug/l	98
25) 2-Butanone	6.896	43	117688	257.410	ug/l	96
26) 2,2-Dichloropropane	6.884	77	156677	46.105	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	131177	48.527	ug/l	97
28) Bromochloromethane	7.244	49	80633	53.541	ug/l	95
29) Tetrahydrofuran	7.268	42	80334	270.536	ug/l	99
30) Chloroform	7.420	83	212689	49.454	ug/l	99
31) Cyclohexane	7.701	56	155478	46.892	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	183913	47.267	ug/l	99
36) 1,1-Dichloropropene	7.835	75	144480	47.648	ug/l	99
37) Ethyl Acetate	6.981	43	52902	48.577	ug/l	98
38) Carbon Tetrachloride	7.817	117	169970	46.910	ug/l	97
39) Methylcyclohexane	9.109	83	178774	46.849	ug/l	95
40) Benzene	8.079	78	460531	48.586	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.262	41	76259	128.096 ug/l #	19
42) 1,2-Dichloroethane	8.158	62	118092	50.320 ug/l	99
43) Isopropyl Acetate	8.201	43	108934	52.086 ug/l	99
44) Trichloroethene	8.865	130	119805	45.632 ug/l	95
45) 1,2-Dichloropropane	9.146	63	106011	50.574 ug/l	100
46) Dibromomethane	9.231	93	65249	49.725 ug/l	97
47) Bromodichloromethane	9.420	83	160617	48.998 ug/l	98
48) Methyl methacrylate	9.219	41	50908	52.655 ug/l	97
49) 1,4-Dioxane	9.225	88	13706	979.999 ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	304217	277.484 ug/l	97
52) Toluene	10.170	92	307906	50.183 ug/l	100
53) t-1,3-Dichloropropene	10.395	75	138752	49.348 ug/l	90
54) cis-1,3-Dichloropropene	9.859	75	164239	49.139 ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	87906	50.153 ug/l	98
56) Ethyl methacrylate	10.438	69	102496	51.135 ug/l	97
57) 1,3-Dichloropropane	10.719	76	144000	51.247 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	277862	283.528 ug/l	98
59) 2-Hexanone	10.761	43	200512	277.284 ug/l	98
60) Dibromochloromethane	10.914	129	121340	50.002 ug/l	100
61) 1,2-Dibromoethane	11.017	107	83925	50.718 ug/l	97
64) Tetrachloroethene	10.645	164	132633	43.441 ug/l	99
65) Chlorobenzene	11.444	112	340265	47.013 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	121008	47.490 ug/l	98
67) Ethyl Benzene	11.517	91	585337	49.439 ug/l	99
68) m/p-Xylenes	11.627	106	462468	98.163 ug/l	100
69) o-Xylene	11.956	106	212986	49.049 ug/l	97
70) Styrene	11.968	104	370652	50.838 ug/l	99
71) Bromoform	12.133	173	71764	48.443 ug/l #	99
73) Isopropylbenzene	12.255	105	562175	47.251 ug/l	100
74) N-amyl acetate	12.072	43	96972	47.439 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	97229	48.471 ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	124991	81.943 ug/l #	100
77) Bromobenzene	12.529	156	139863	46.522 ug/l	97
78) n-propylbenzene	12.596	91	670469	47.320 ug/l	100
79) 2-Chlorotoluene	12.682	91	388305	47.124 ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	470455	47.991 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29121	45.975 ug/l	98
82) 4-Chlorotoluene	12.779	91	409587	47.817 ug/l	99
83) tert-Butylbenzene	12.999	119	418984	47.656 ug/l	98
84) 1,2,4-Trimethylbenzene	13.041	105	468919	47.823 ug/l	99
85) sec-Butylbenzene	13.175	105	615110	47.812 ug/l	100
86) p-Isopropyltoluene	13.291	119	518498	47.462 ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	277657	45.473 ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	273541	45.233 ug/l	99
89) n-Butylbenzene	13.614	91	459947	47.103 ug/l	99
90) Hexachloroethane	13.877	117	110572	46.068 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	249255	46.803 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15480	48.506 ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	135559	44.918 ug/l	100
94) Hexachlorobutadiene	15.023	225	79735	42.942 ug/l	99
95) Naphthalene	15.145	128	237399	47.354 ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	118065	45.321 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

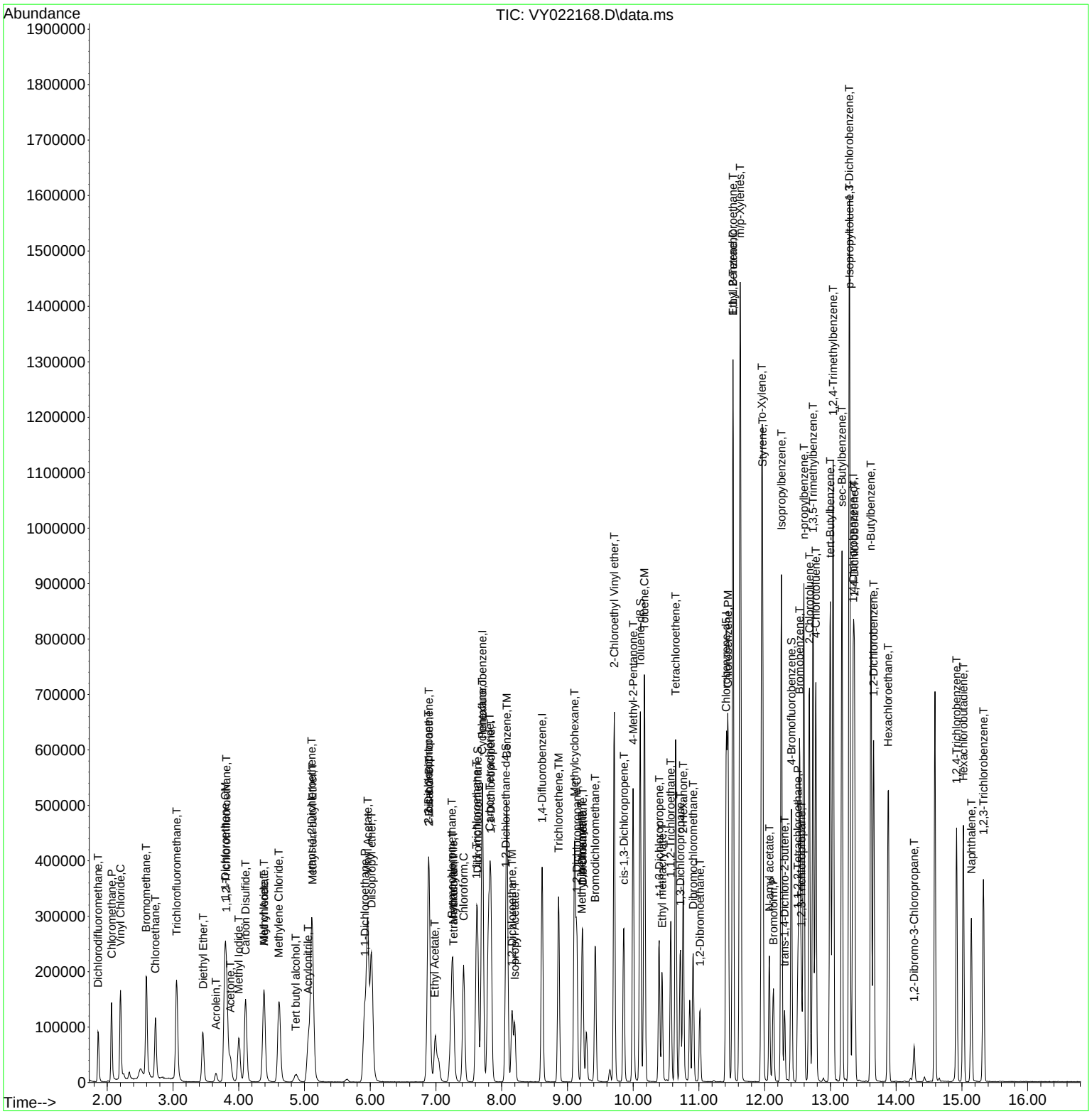
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

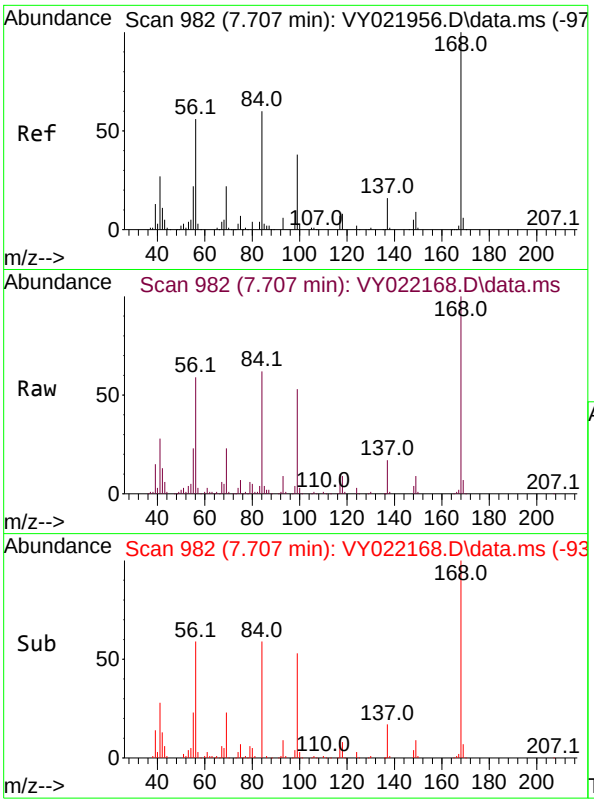
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
Data File : VY022168.D
Acq On : 05 May 2025 18:37
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Quant Time: May 06 05:23:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



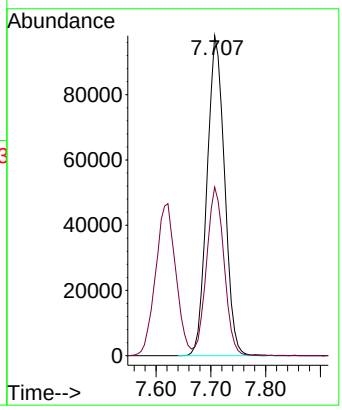


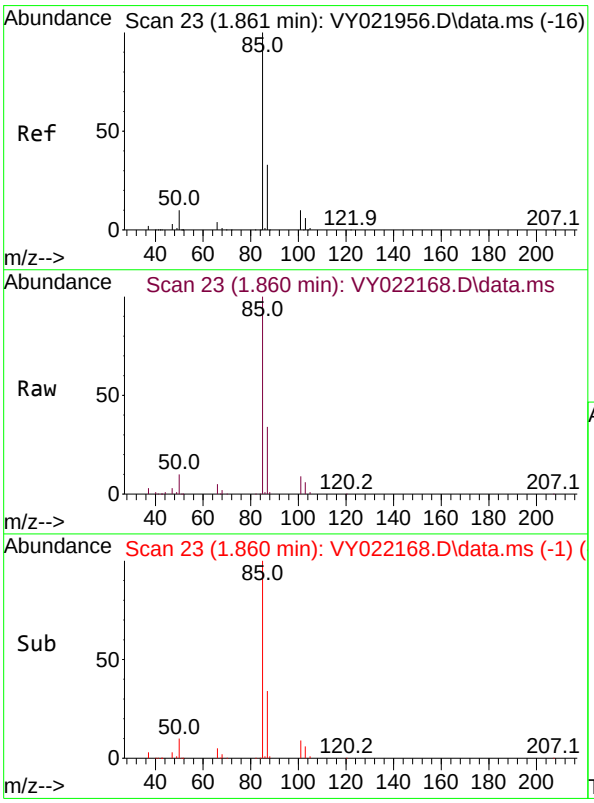
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 217147

Ion	Ratio	Lower	Upper
168	100		
99	52.6	43.1	64.7

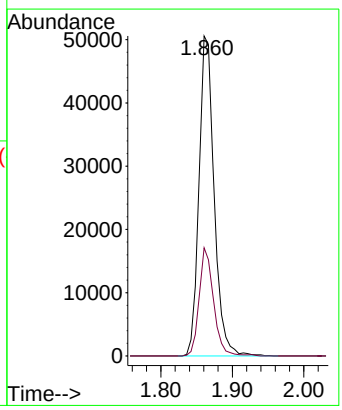


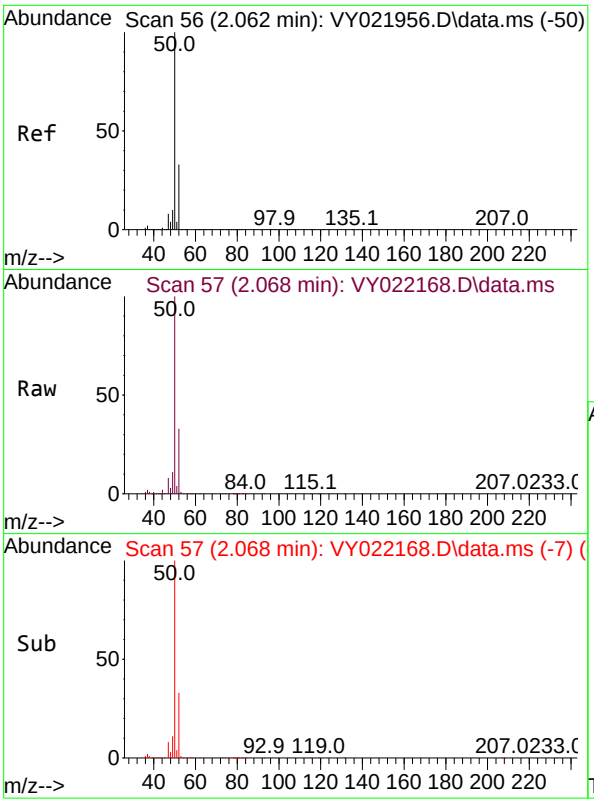


#2
Dichlorodifluoromethane
Concen: 40.317 ug/l
RT: 1.860 min Scan# 23
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 85 Resp: 74598

Ion	Ratio	Lower	Upper
85	100		
87	33.8	16.6	49.7



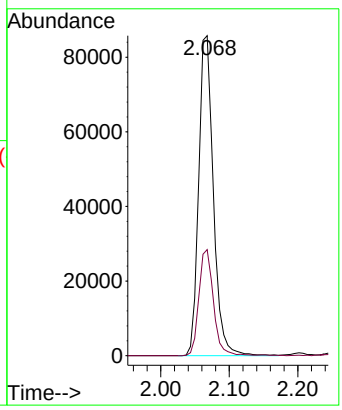


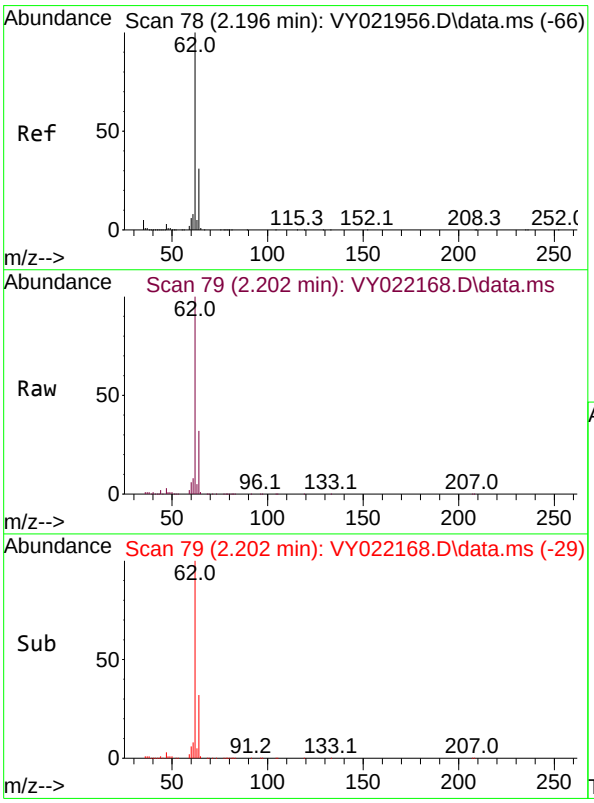
#3
Chloromethane
Concen: 48.722 ug/l
RT: 2.068 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 128364

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.1	39.1

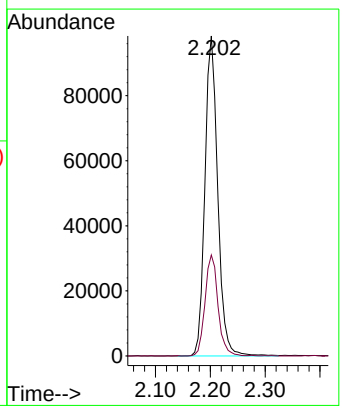


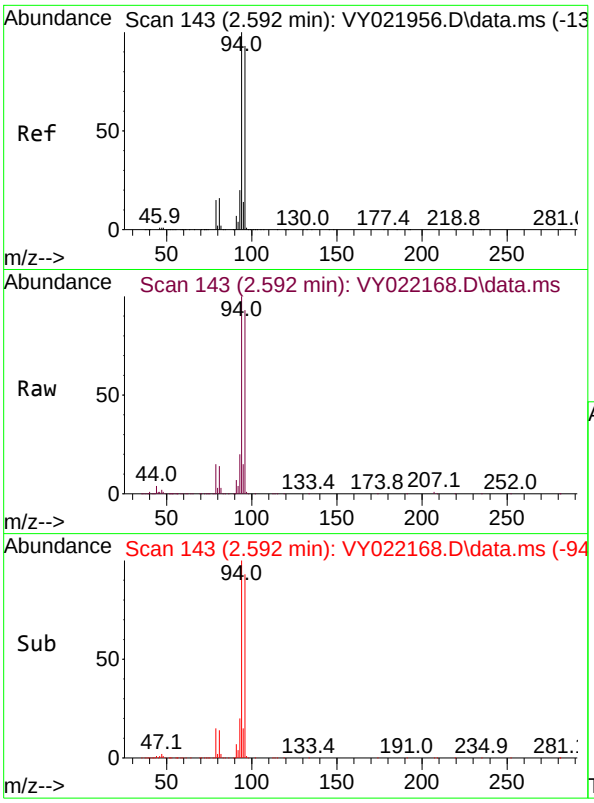


#4
Vinyl Chloride
Concen: 49.098 ug/l
RT: 2.202 min Scan# 79
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 62 Resp: 158960

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.1	37.7



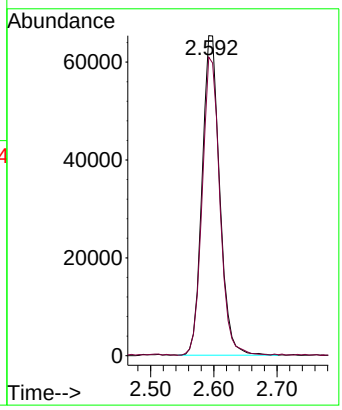


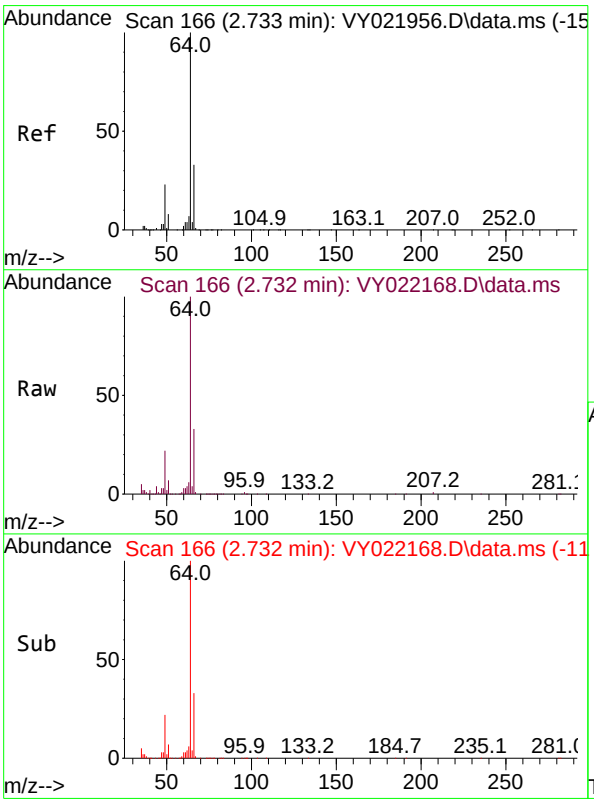
#5
Bromomethane
Concen: 45.368 ug/l
RT: 2.592 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 126547

Ion	Ratio	Lower	Upper
94	100		
96	93.3	74.6	111.8

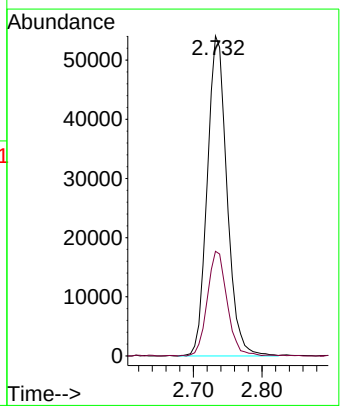


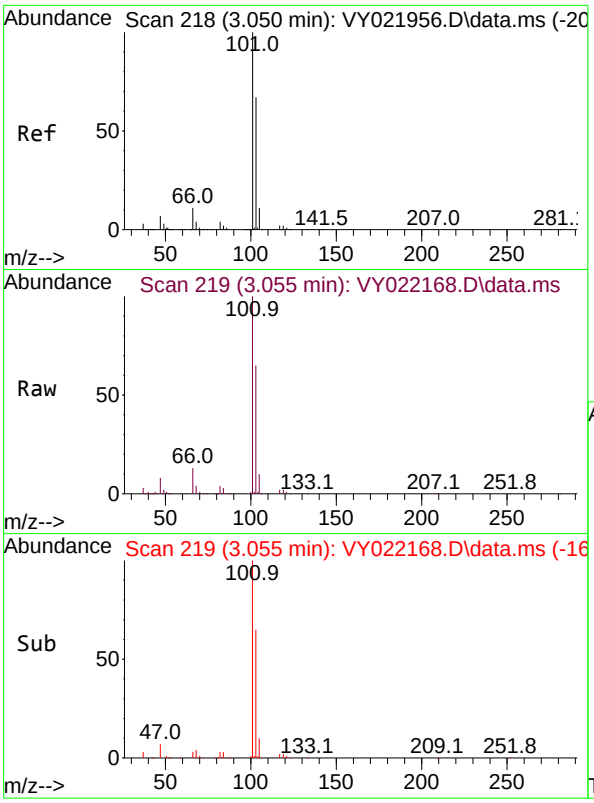


#6
Chloroethane
Concen: 49.026 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 64 Resp: 108101

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.2	39.4



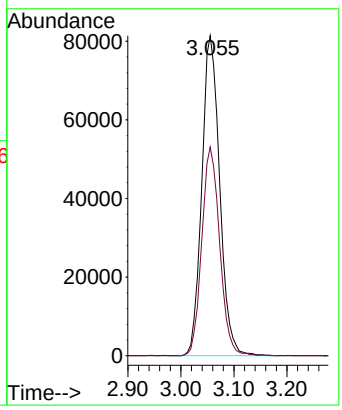


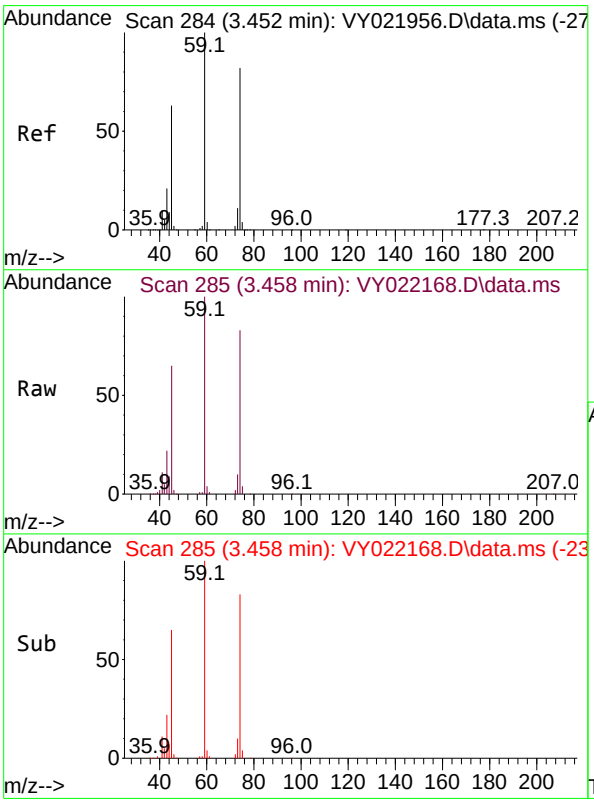
#7
Trichlorofluoromethane
Concen: 44.680 ug/l
RT: 3.055 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 190751

Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.6	80.4

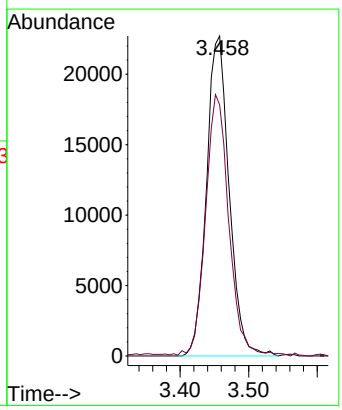


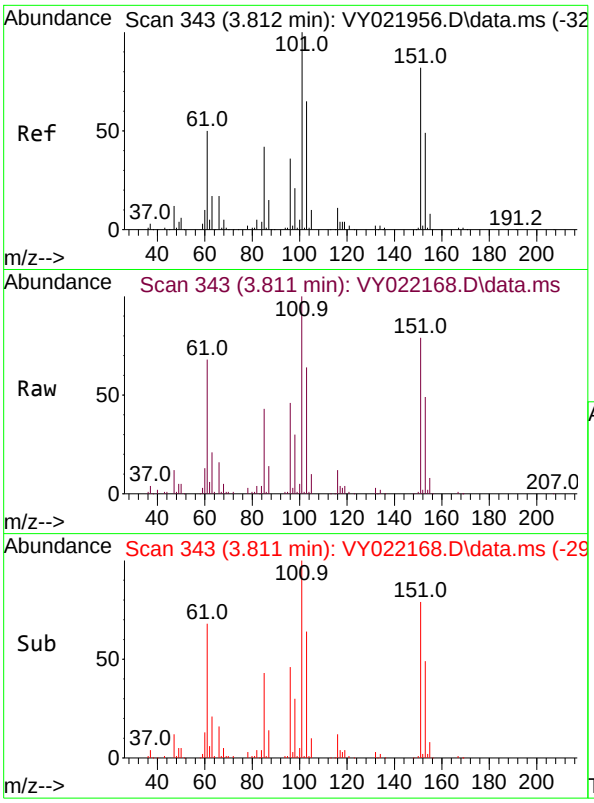


#8
Diethyl Ether
Concen: 46.944 ug/l
RT: 3.458 min Scan# 285
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 74 Resp: 52164

Ion	Ratio	Lower	Upper
74	100		
45	84.2	39.1	117.5



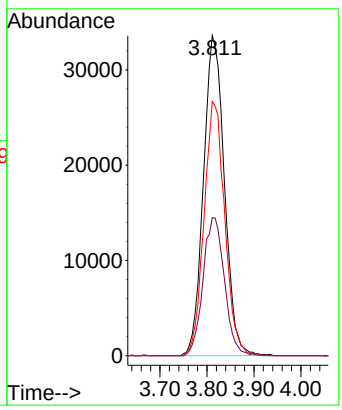


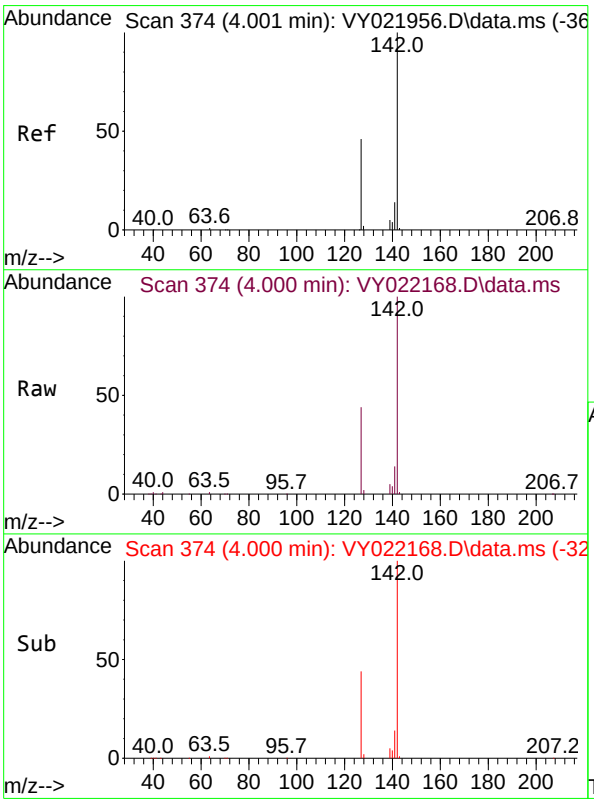
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.914 ug/l
RT: 3.811 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 104019

Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.6	51.8
151	78.6	63.7	95.5

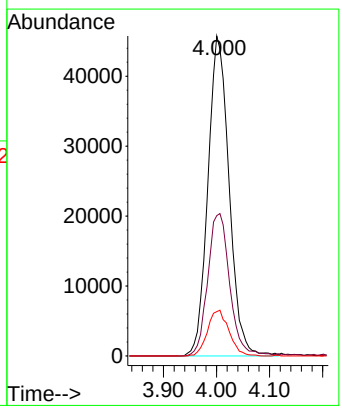


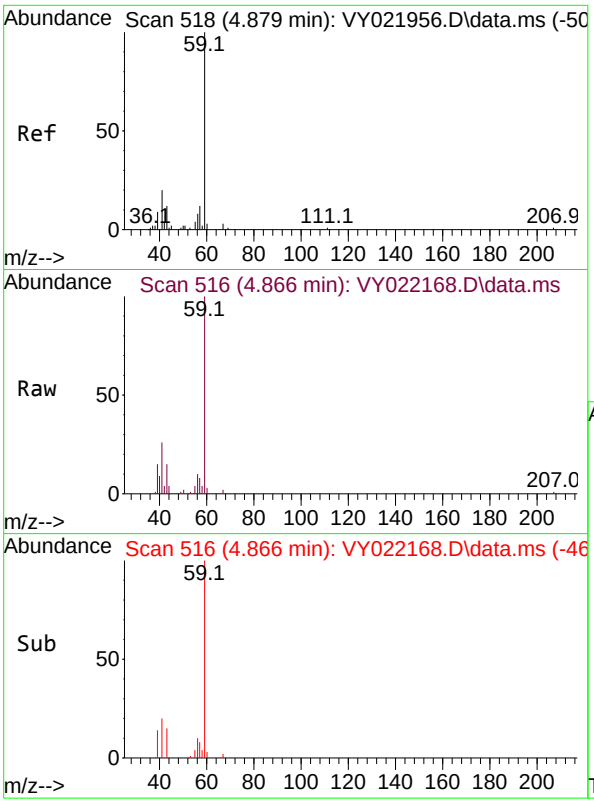


#10
Methyl Iodide
Concen: 47.435 ug/l
RT: 4.000 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:142 Resp: 127191

Ion	Ratio	Lower	Upper
142	100		
127	46.1	36.2	54.2
141	14.4	11.7	17.5



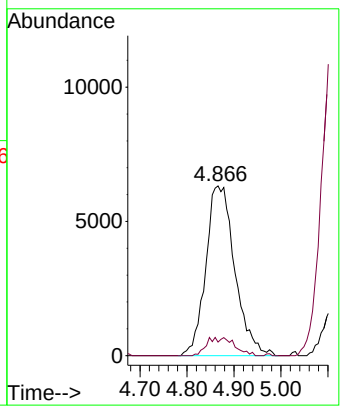


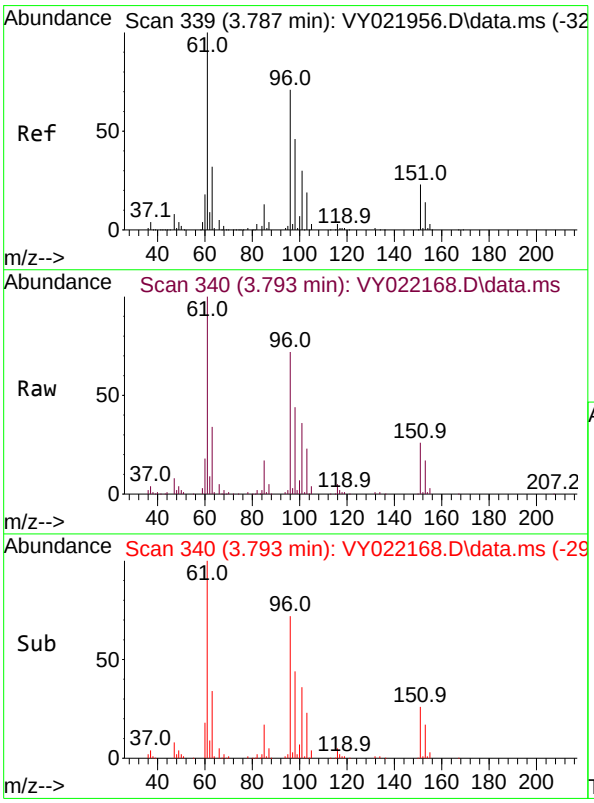
#11
Tert butyl alcohol
Concen: 246.381 ug/l
RT: 4.866 min Scan# 5
Delta R.T. -0.013 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 27130

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

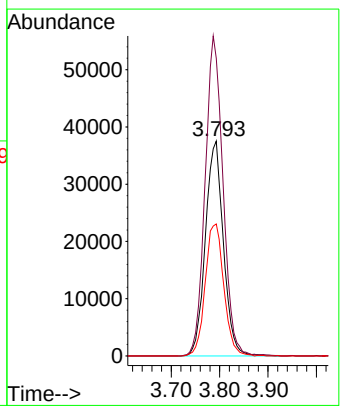


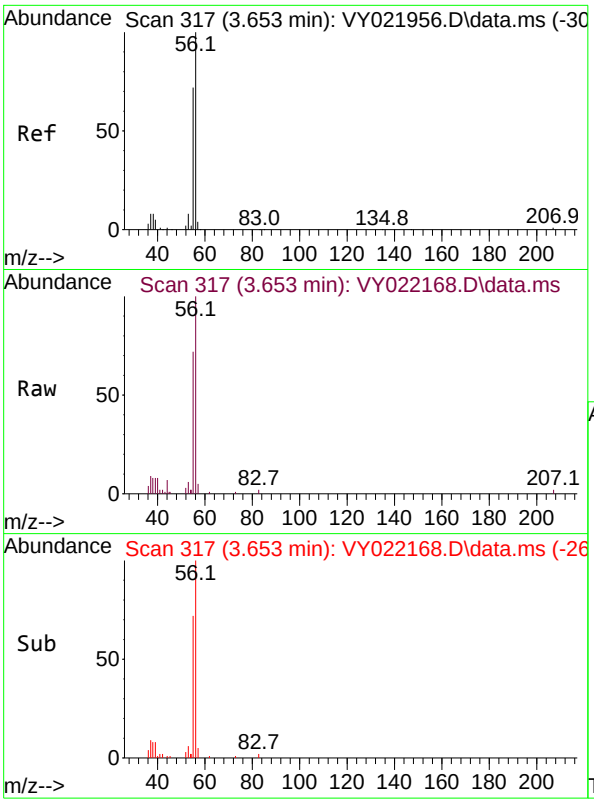


#12
1,1-Dichloroethene
Concen: 45.079 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 96 Resp: 97310

Ion	Ratio	Lower	Upper
96	100		
61	138.5	113.0	169.4
98	61.4	51.4	77.2



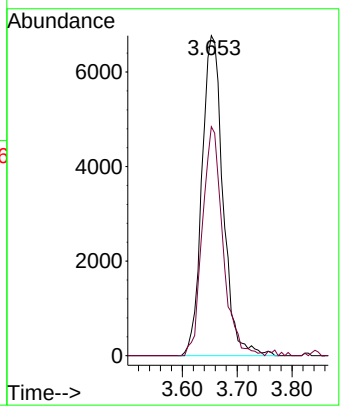


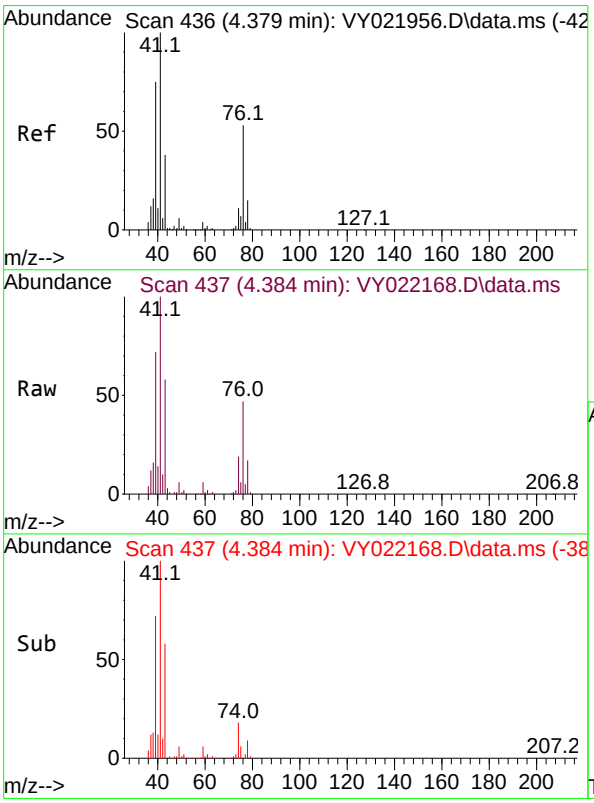
#13
Acrolein
Concen: 91.553 ug/l
RT: 3.653 min Scan# 3
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 18094

Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.4	86.0

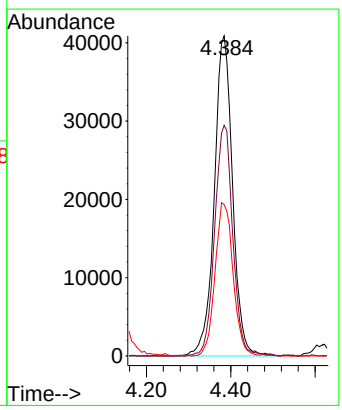


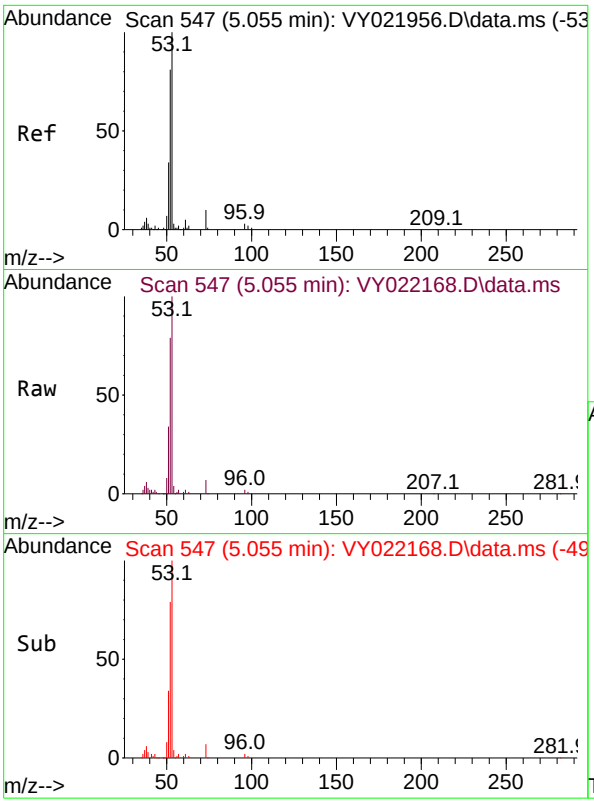


#14
Allyl chloride
Concen: 48.841 ug/l
RT: 4.384 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 41 Resp: 122763

Ion	Ratio	Lower	Upper
41	100		
39	71.2	57.2	85.8
76	47.3	39.7	59.5



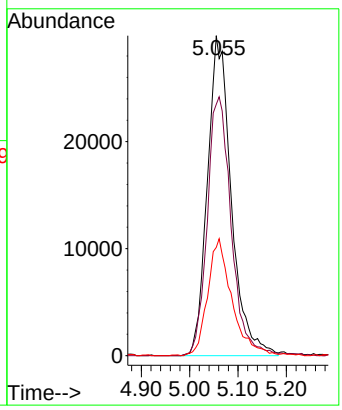


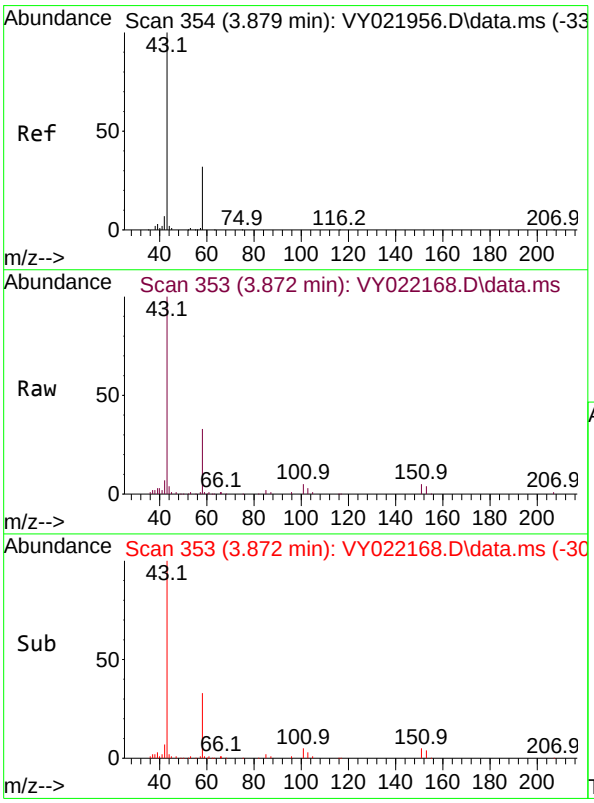
#15
Acrylonitrile
Concen: 251.398 ug/l
RT: 5.055 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 102268

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.0	97.6
51	37.2	28.9	43.3

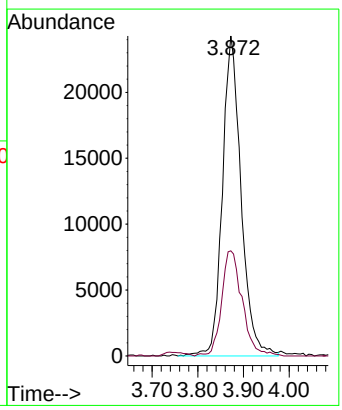


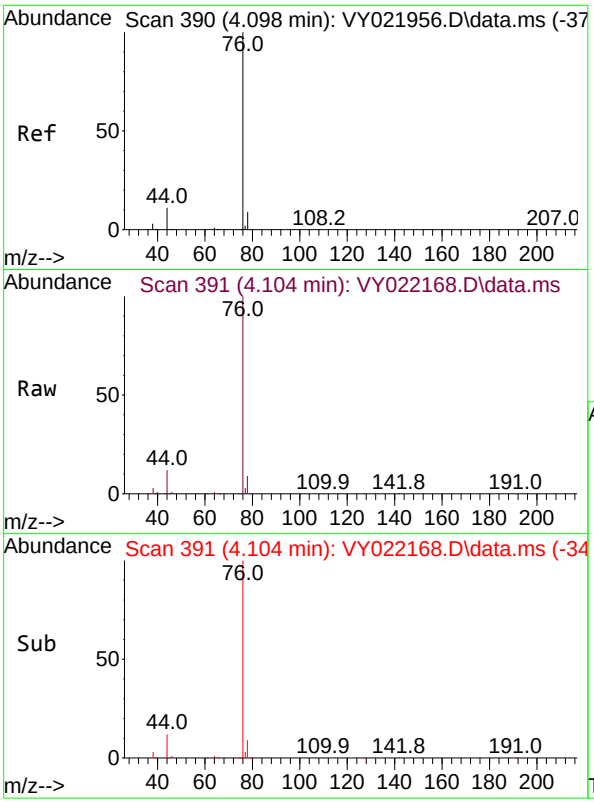


#16
Acetone
Concen: 263.906 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 68973

Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.0	40.4



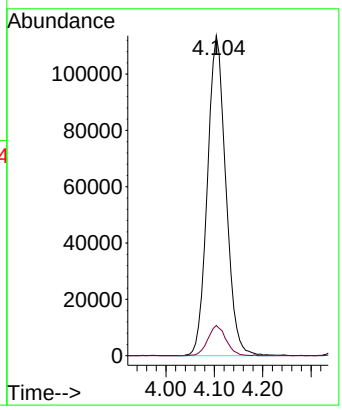


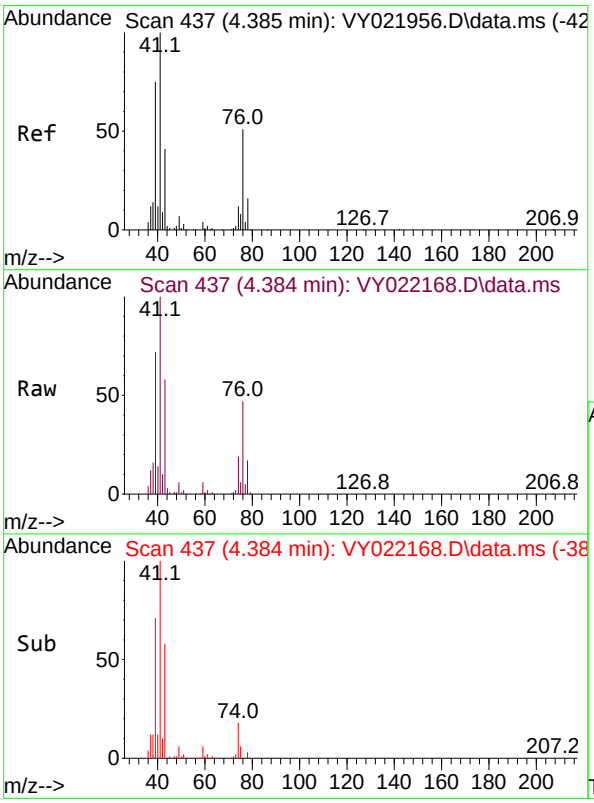
#17
Carbon Disulfide
Concen: 43.763 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 301214

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.6	11.4

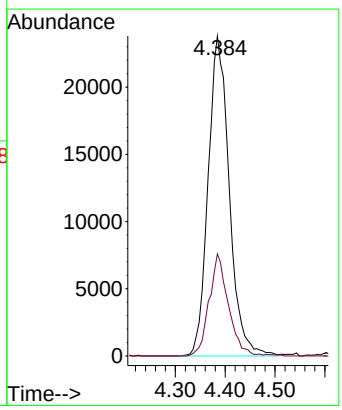


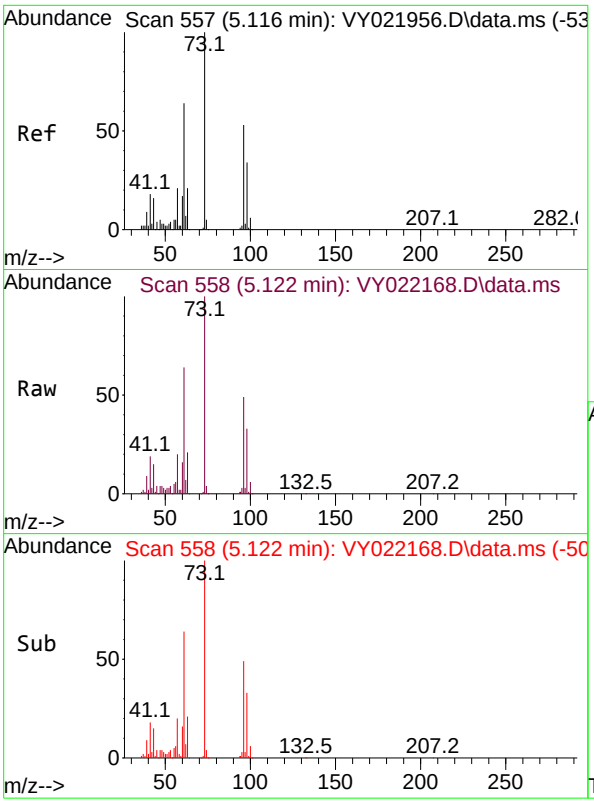


#18
Methyl Acetate
Concen: 74.739 ug/l
RT: 4.384 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 70025

Ion	Ratio	Lower	Upper
43	100		
74	29.0	24.2	36.4



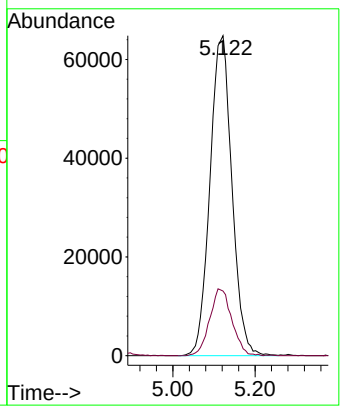


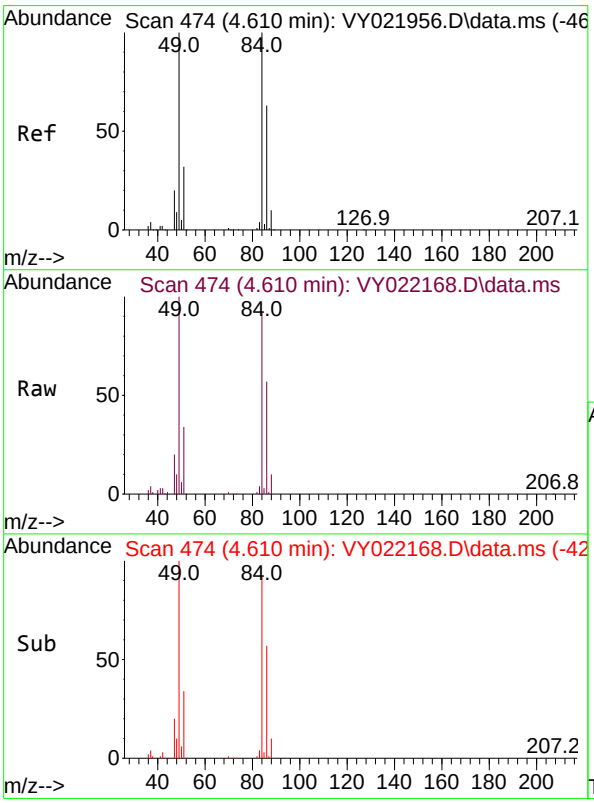
#19
Methyl tert-butyl Ether
Concen: 49.762 ug/l
RT: 5.122 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 240426

Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.9	25.3

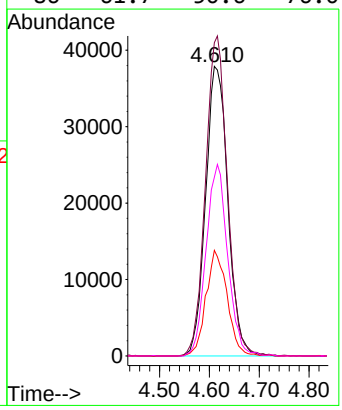


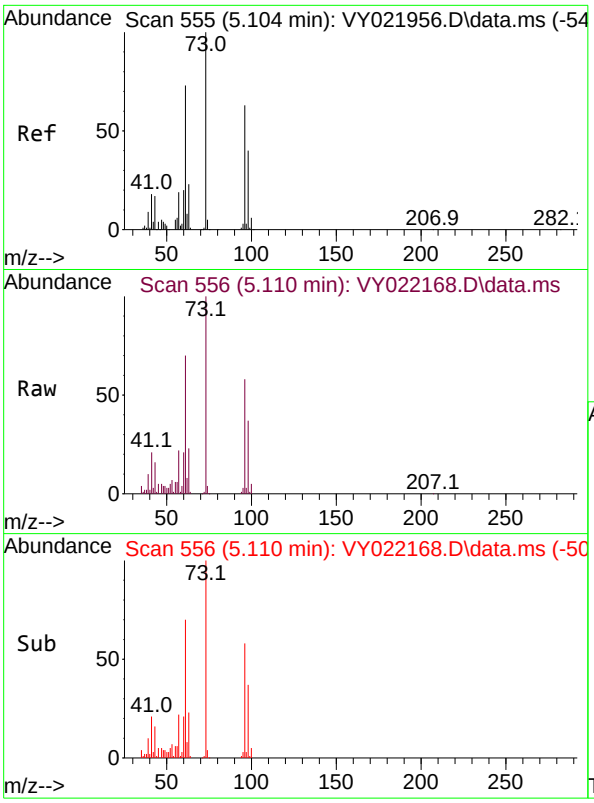


#20
Methylene Chloride
Concen: 46.330 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 84 Resp: 117503

Ion	Ratio	Lower	Upper
84	100		
49	108.2	79.9	119.9
51	36.5	25.4	38.0
86	61.7	50.6	76.0



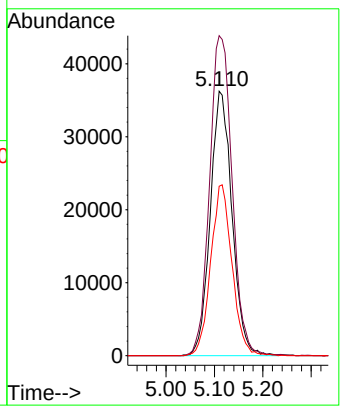


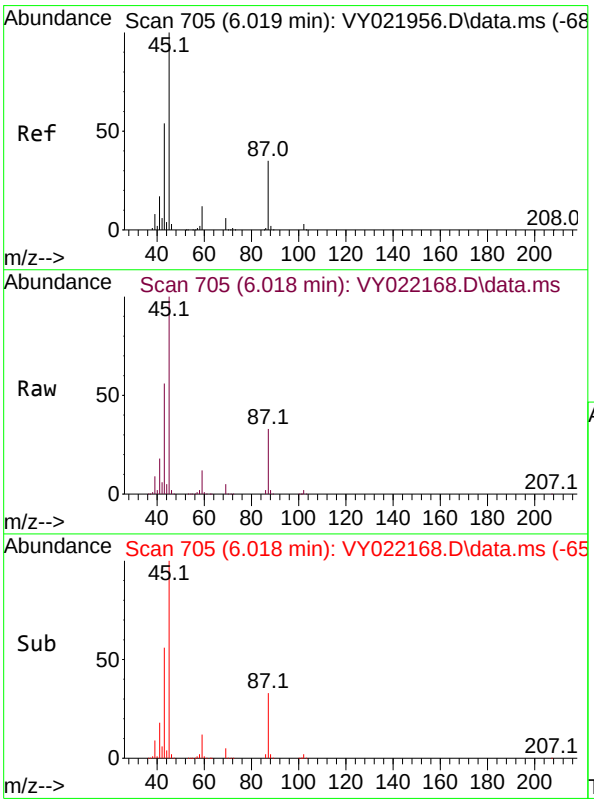
#21
trans-1,2-Dichloroethene
Concen: 46.764 ug/l
RT: 5.110 min Scan# 5
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 113055

Ion	Ratio	Lower	Upper
96	100		
61	121.0	92.6	138.8
98	64.1	50.2	75.4

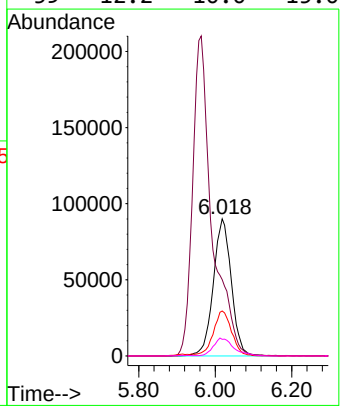


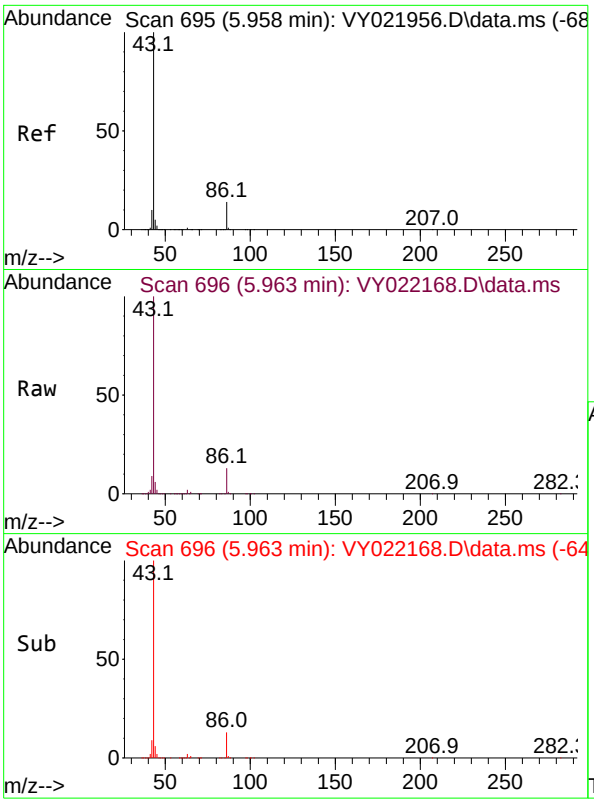


#22
Diisopropyl ether
Concen: 52.695 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 45 Resp: 294758

Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.6	65.4
87	32.8	28.2	42.4
59	12.2	10.0	15.0



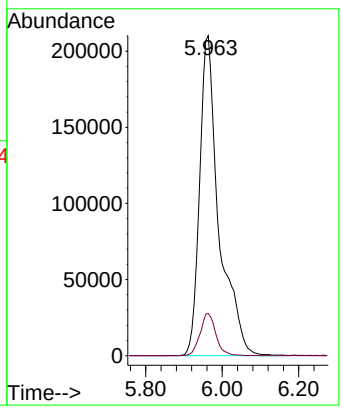


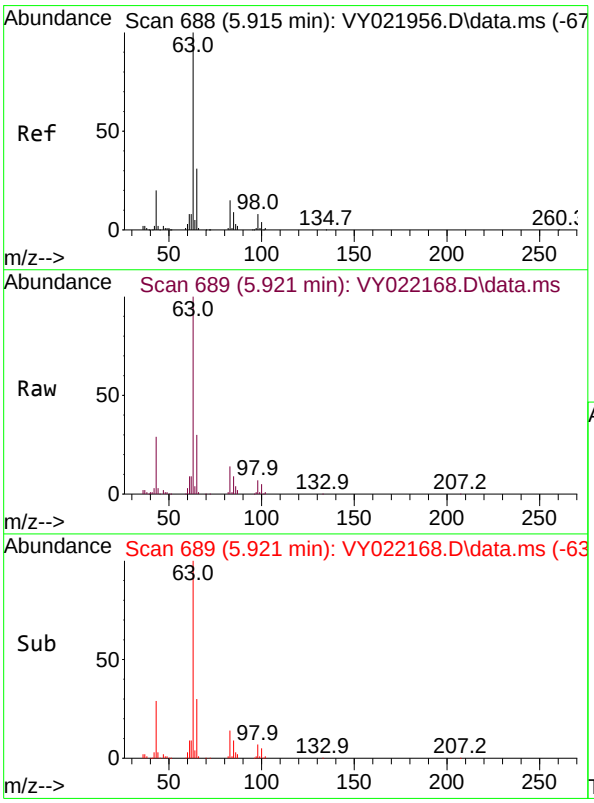
#23
Vinyl Acetate
Concen: 244.875 ug/l
RT: 5.963 min Scan# 6
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 738196

Ion	Ratio	Lower	Upper
43	100		
86	13.2	11.1	16.7

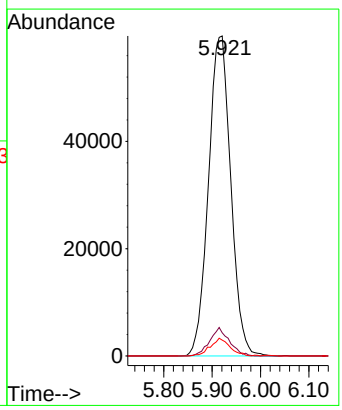


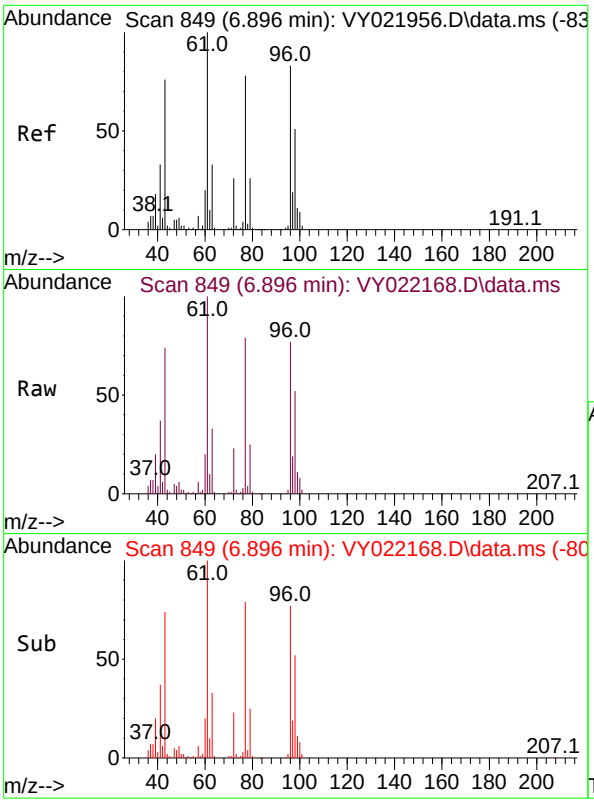


#24
1,1-Dichloroethane
Concen: 49.254 ug/l
RT: 5.921 min Scan# 689
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 63 Resp: 190970

Ion	Ratio	Lower	Upper
63	100		
98	7.2	4.0	11.9
100	5.0	2.0	6.0



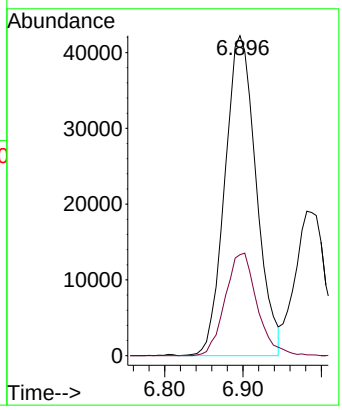


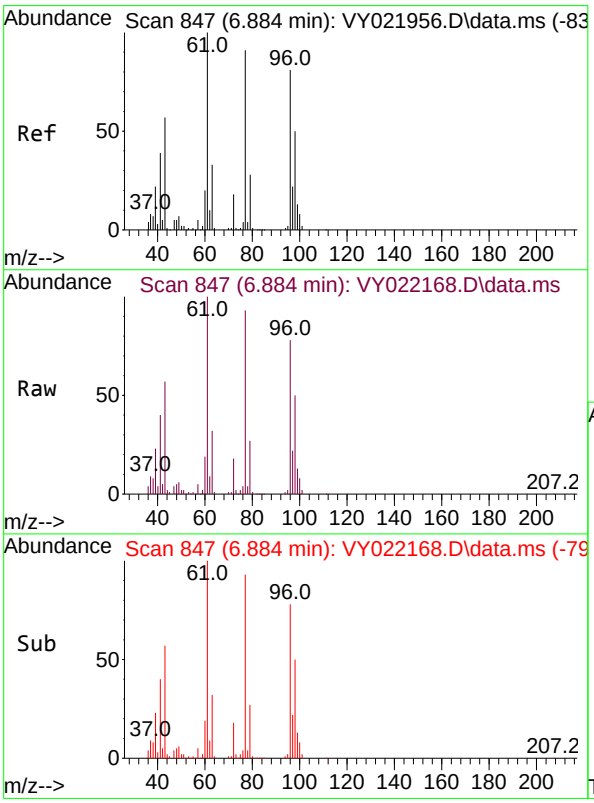
#25
2-Butanone
Concen: 257.410 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 117688

Ion	Ratio	Lower	Upper
43	100		
72	31.6	27.0	40.4

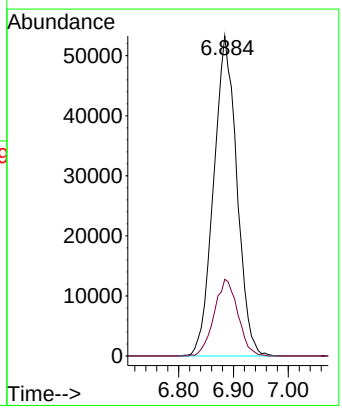


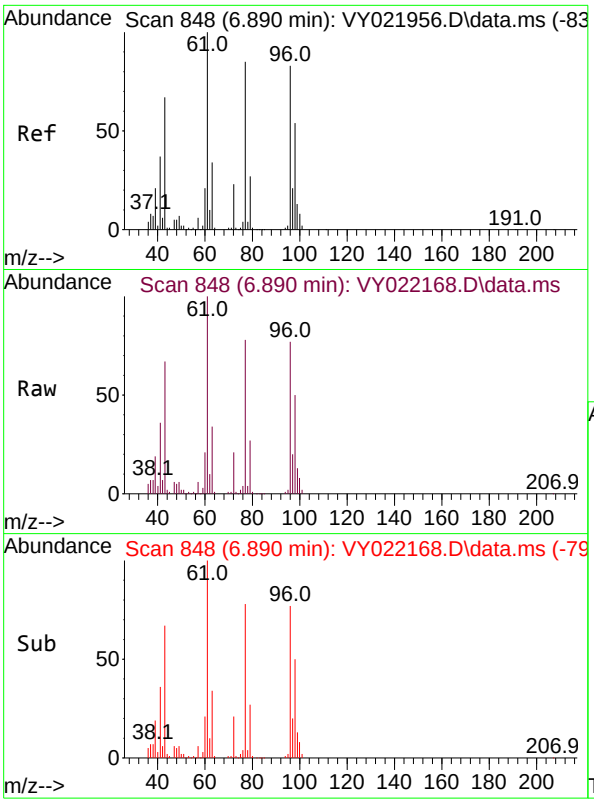


#26
2,2-Dichloropropane
Concen: 46.105 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 77 Resp: 156677

Ion	Ratio	Lower	Upper
77	100		
97	24.4	12.4	37.4



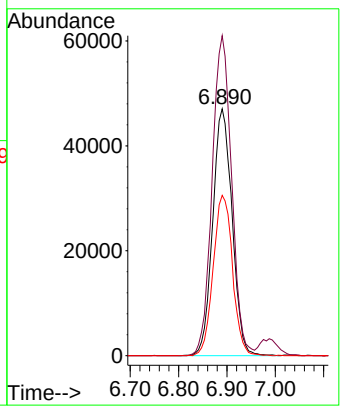


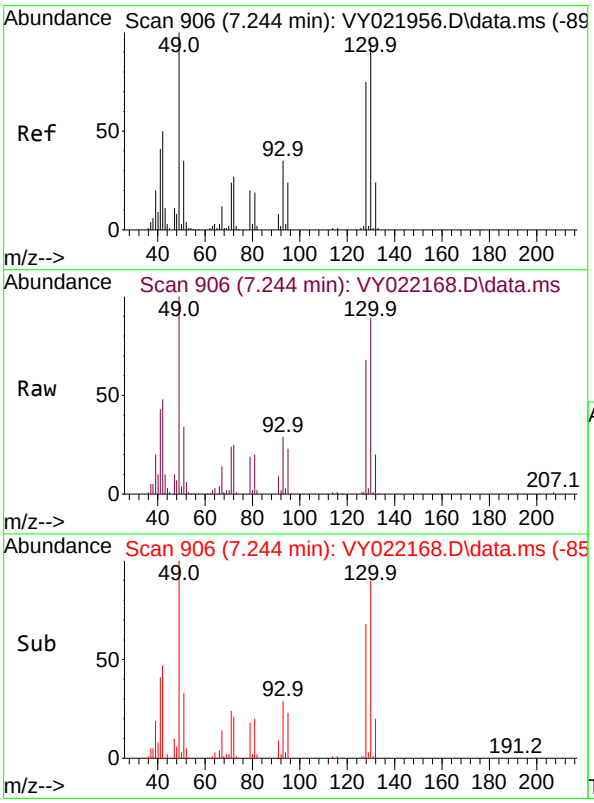
#27
cis-1,2-Dichloroethene
Concen: 48.527 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 131177

Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	251.4
98	64.7	0.0	128.4

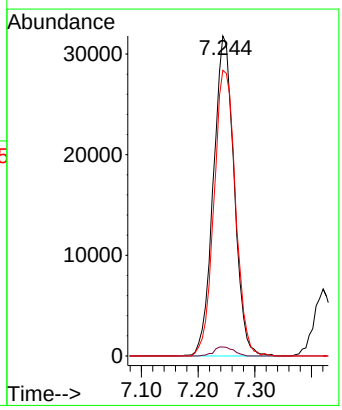


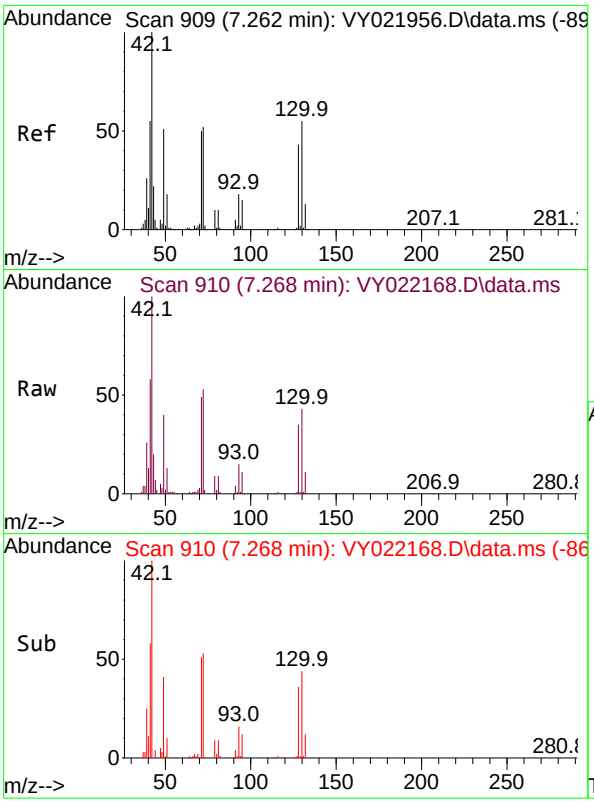


#28
Bromochloromethane
Concen: 53.541 ug/l
RT: 7.244 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 49 Resp: 80633

Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	92.6	78.2	117.4



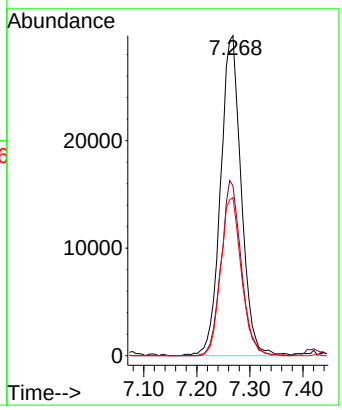


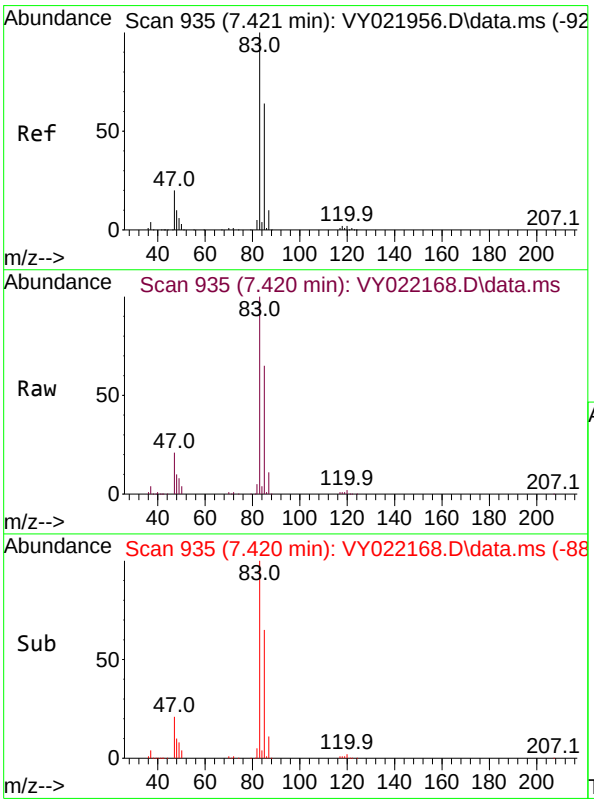
#29
Tetrahydrofuran
Concen: 270.536 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 80334

Ion	Ratio	Lower	Upper
42	100		
72	53.2	42.6	63.8
71	49.7	40.6	61.0

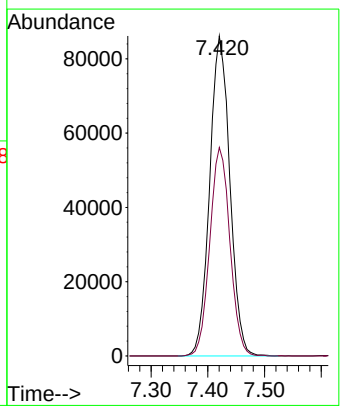


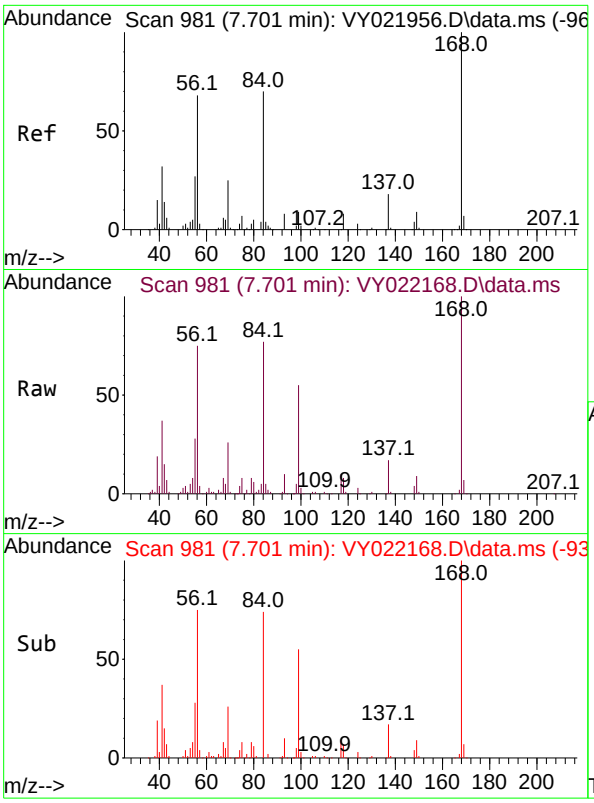


#30
Chloroform
Concen: 49.454 ug/l
RT: 7.420 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 83 Resp: 212689

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.3	76.9



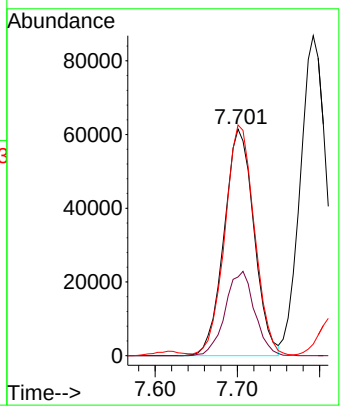


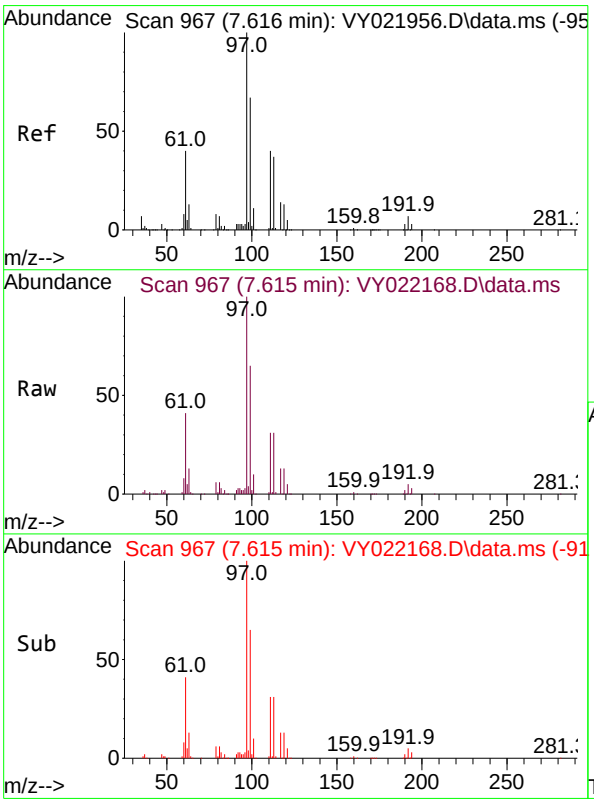
#31
Cyclohexane
Concen: 46.892 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 155478

Ion	Ratio	Lower	Upper
56	100		
69	34.8	29.4	44.2
84	100.5	82.2	123.4

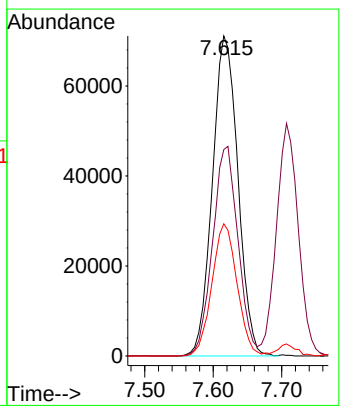


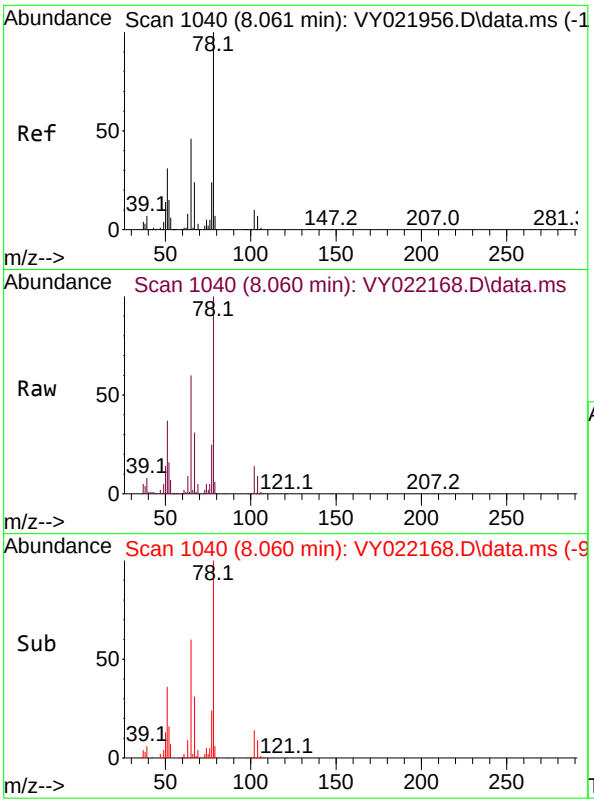


#32
1,1,1-Trichloroethane
Concen: 47.267 ug/l
RT: 7.615 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 97 Resp: 183913

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.2
61	40.6	31.4	47.2



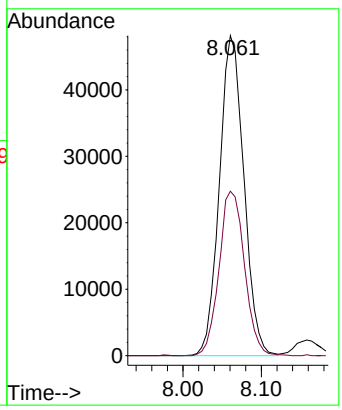


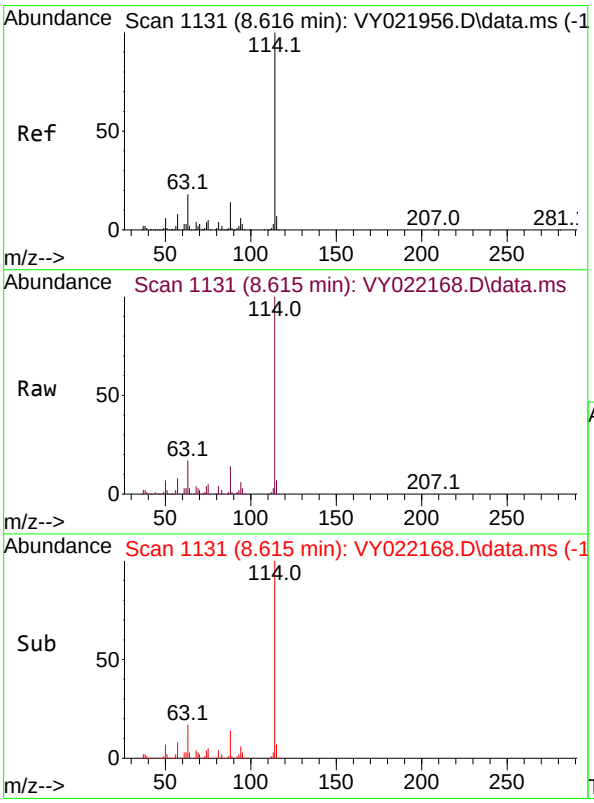
#33
1,2-Dichloroethane-d4
Concen: 52.175 ug/l
RT: 8.060 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 104649

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8

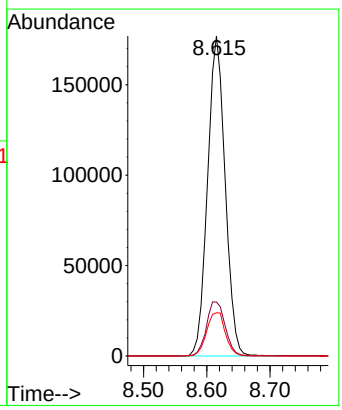


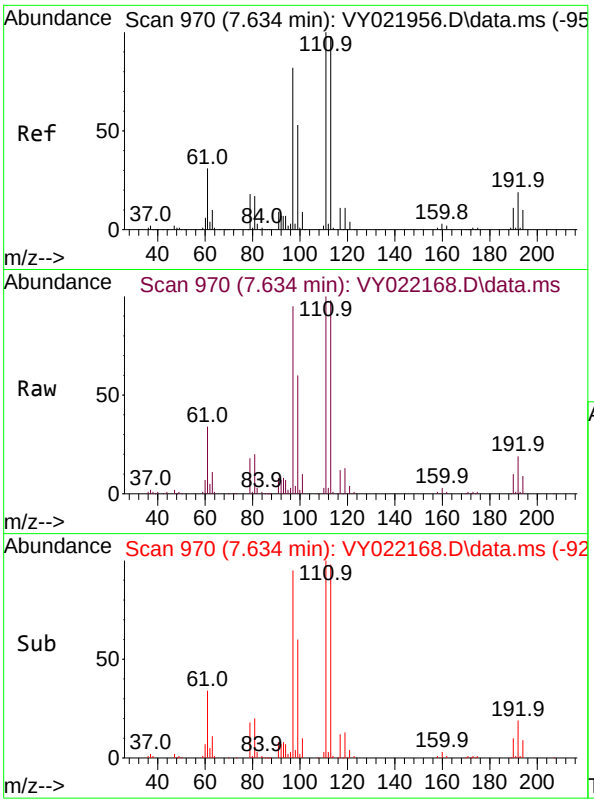


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:114 Resp: 341688

Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	35.4
88	13.5	0.0	28.2



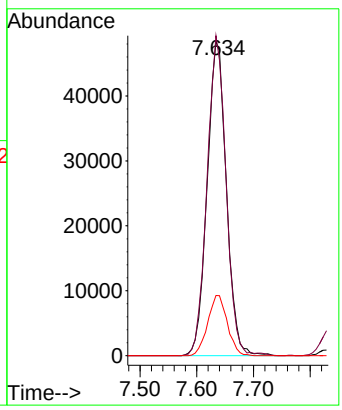


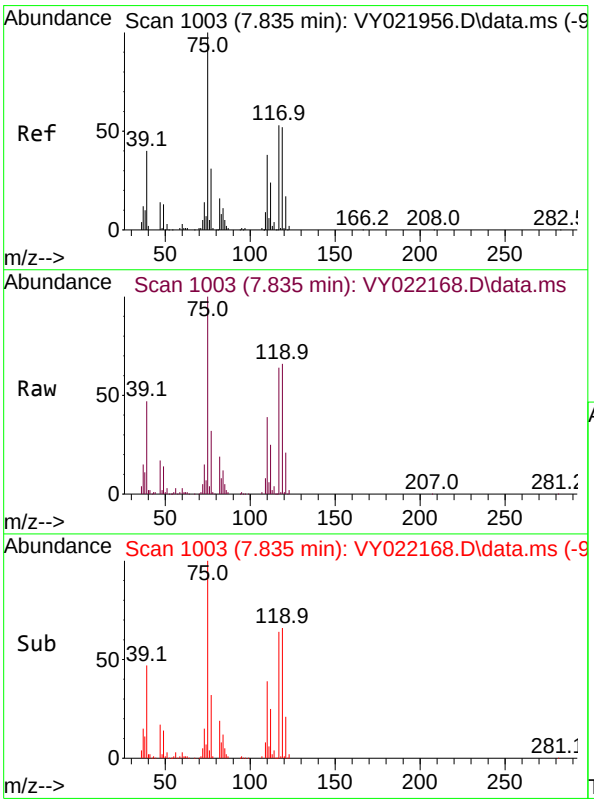
#35
Dibromofluoromethane
Concen: 50.537 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 114082

Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.8	122.8
192	19.5	15.6	23.4

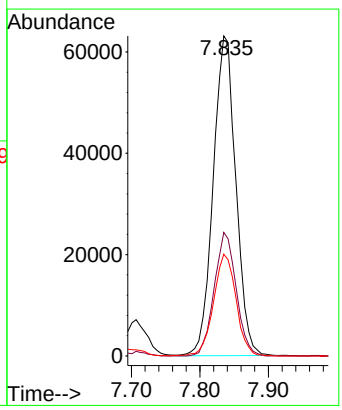


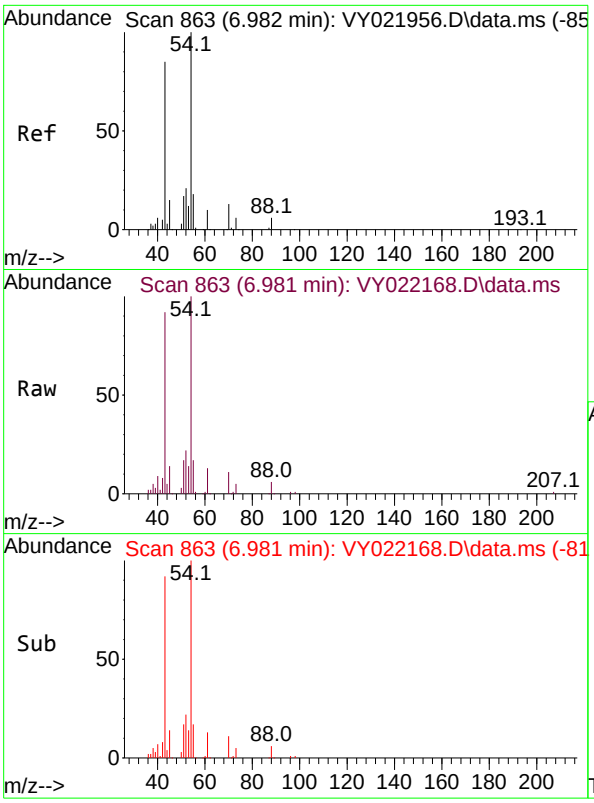


#36
1,1-Dichloropropene
Concen: 47.648 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 144480

Ion	Ratio	Lower	Upper
75	100		
110	37.4	19.1	57.3
77	31.8	25.5	38.3



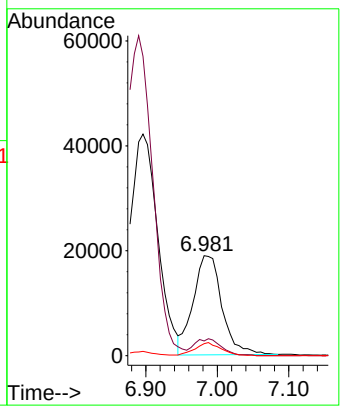


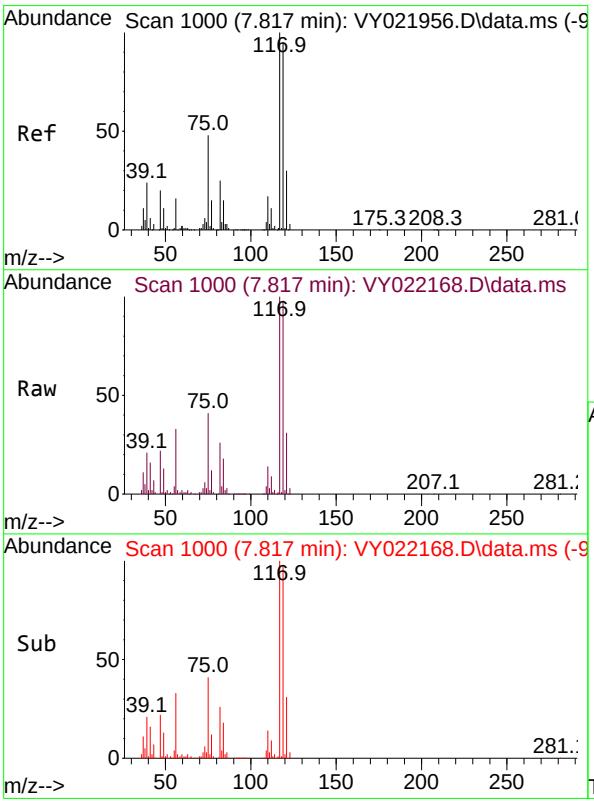
#37
Ethyl Acetate
Concen: 48.577 ug/l
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 52902

Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.8	20.6
70	12.1	9.2	13.8

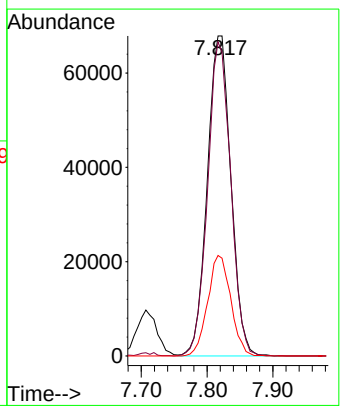


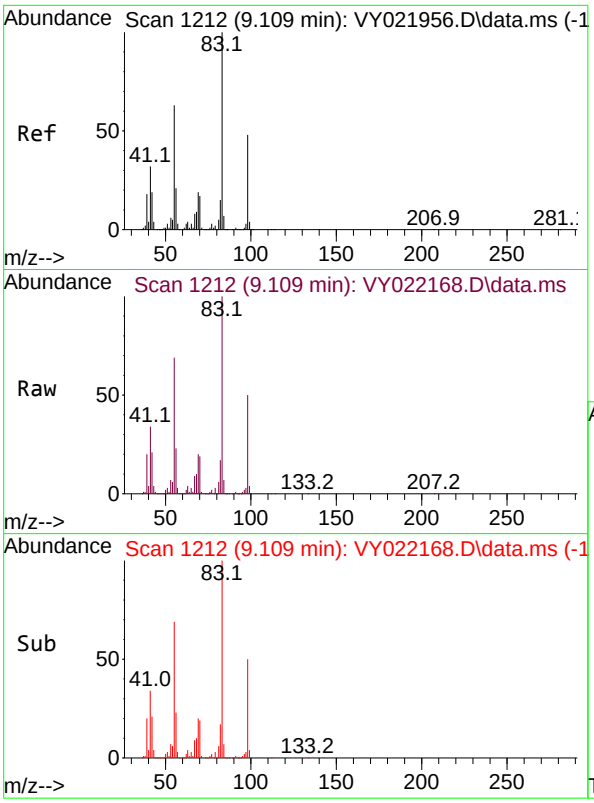


#38
Carbon Tetrachloride
Concen: 46.910 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:117 Resp: 169970

Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.2	114.4
121	31.4	24.0	36.0



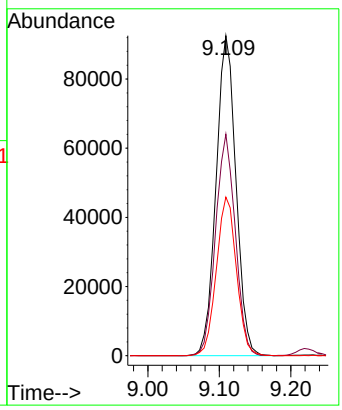


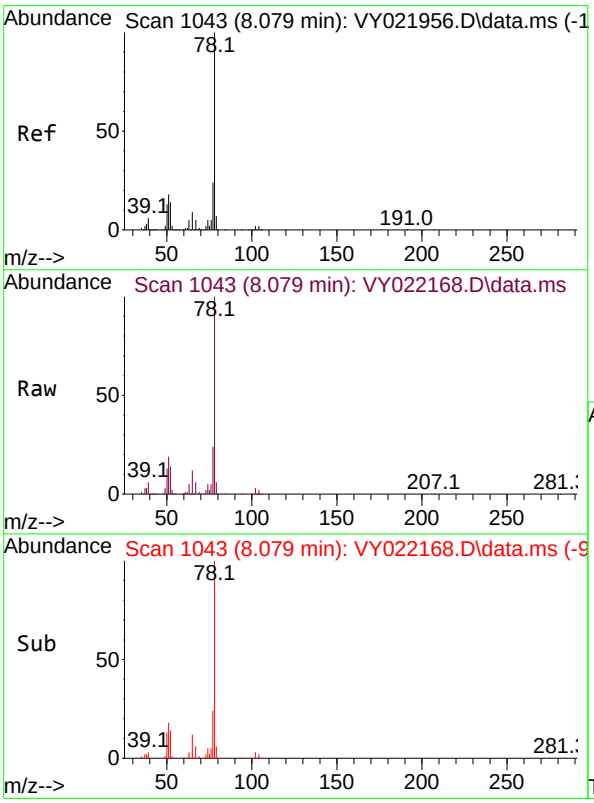
#39
Methylcyclohexane
Concen: 46.849 ug/l
RT: 9.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 178774

Ion	Ratio	Lower	Upper
83	100		
55	69.2	50.6	75.8
98	49.6	38.6	58.0

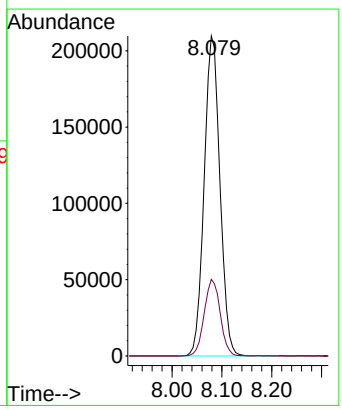


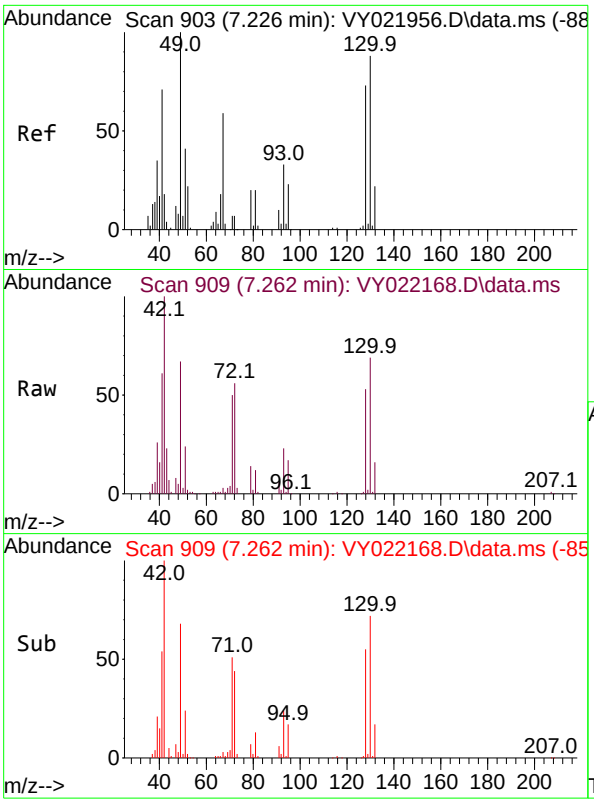


#40
Benzene
Concen: 48.586 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 78 Resp: 460531

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9



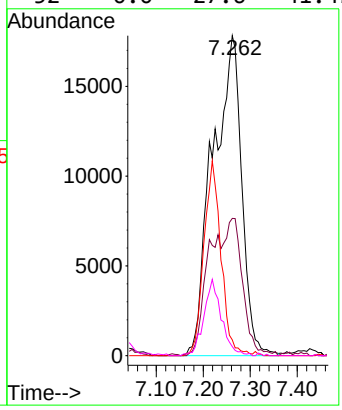


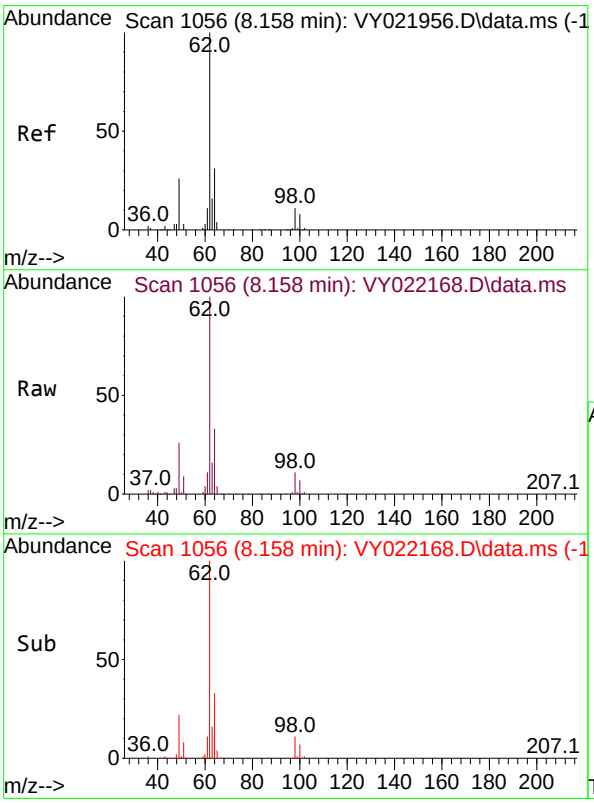
#41
Methacrylonitrile
Concen: 128.096 ug/l
RT: 7.262 min Scan# 9
Delta R.T. 0.036 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 76259

Ion	Ratio	Lower	Upper
41	100		
39	0.0	36.6	55.0#
67	0.0	72.2	108.4#
52	0.0	27.6	41.4#

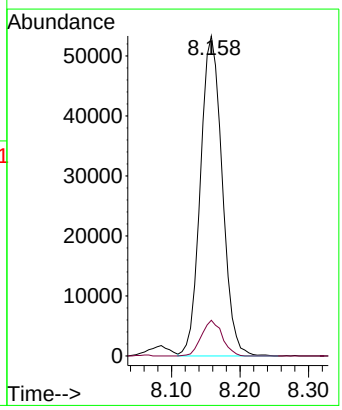


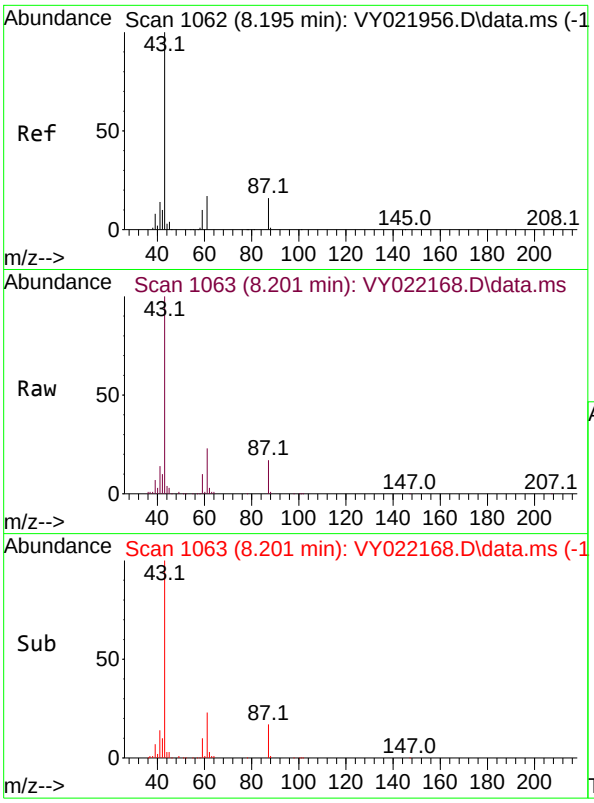


#42
1,2-Dichloroethane
Concen: 50.320 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 62 Resp: 118092

Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0



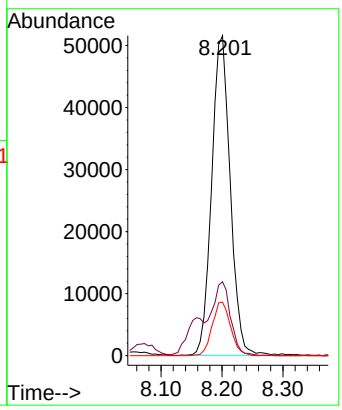


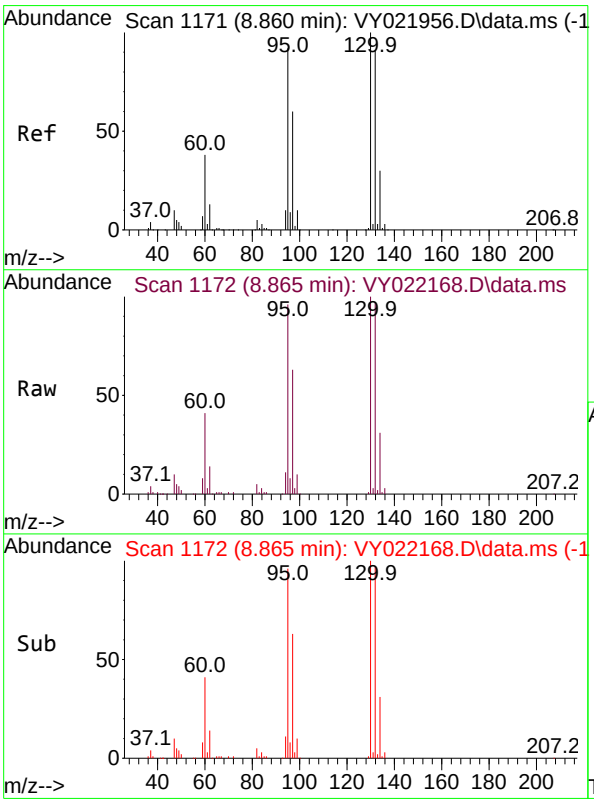
#43
Isopropyl Acetate
Concen: 52.086 ug/l
RT: 8.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 108934

Ion	Ratio	Lower	Upper
43	100		
61	23.4	18.9	28.3
87	16.6	13.7	20.5

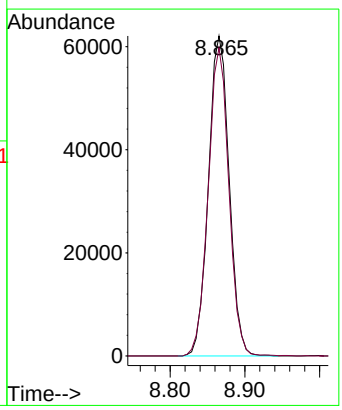


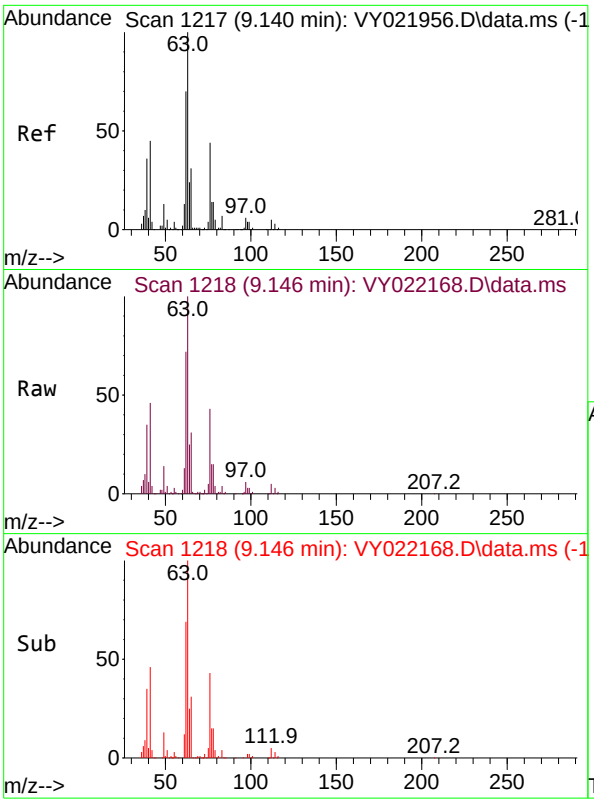


#44
Trichloroethene
Concen: 45.632 ug/l
RT: 8.865 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:130 Resp: 119805

Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	183.2



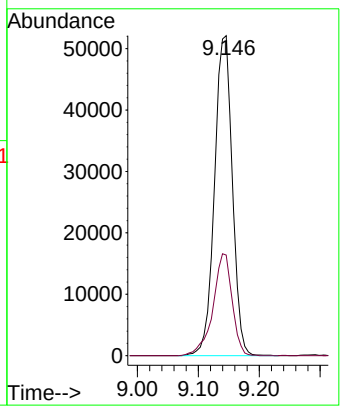


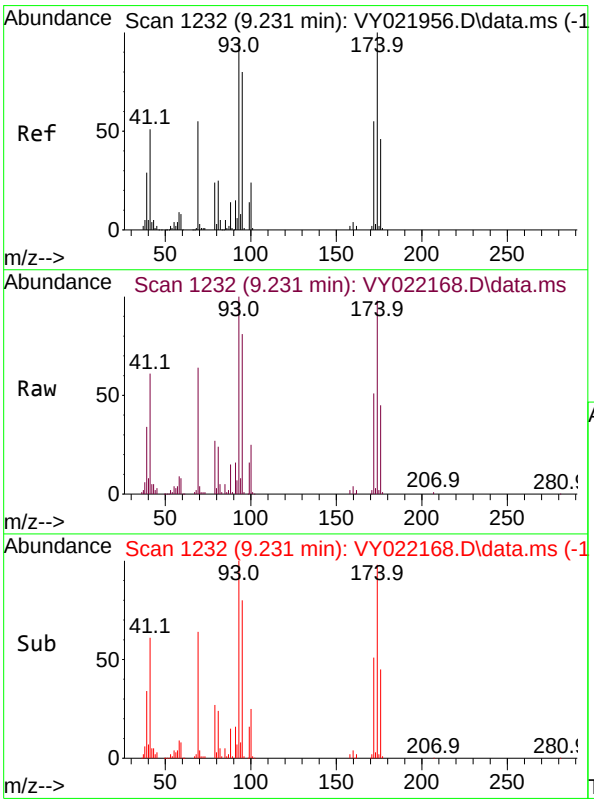
#45
1,2-Dichloropropane
Concen: 50.574 ug/l
RT: 9.146 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 106011

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.2	37.8

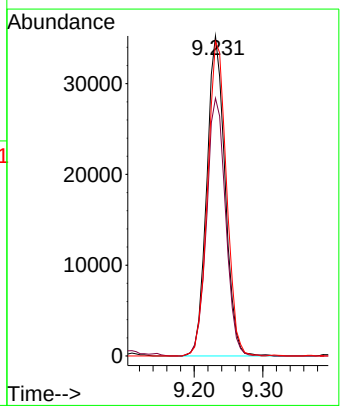


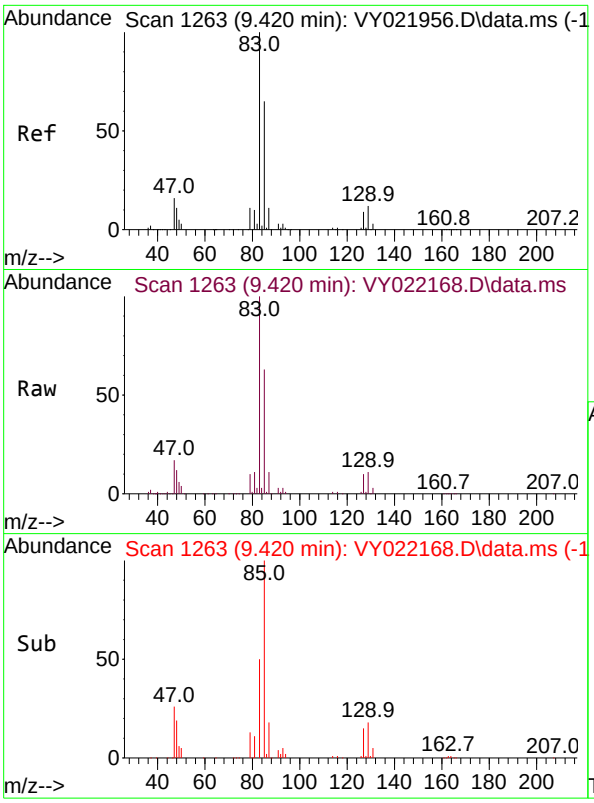


#46
Dibromomethane
Concen: 49.725 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 93 Resp: 65249

Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.7	100.1
174	101.4	84.6	127.0



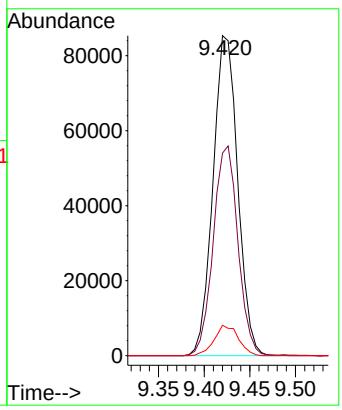


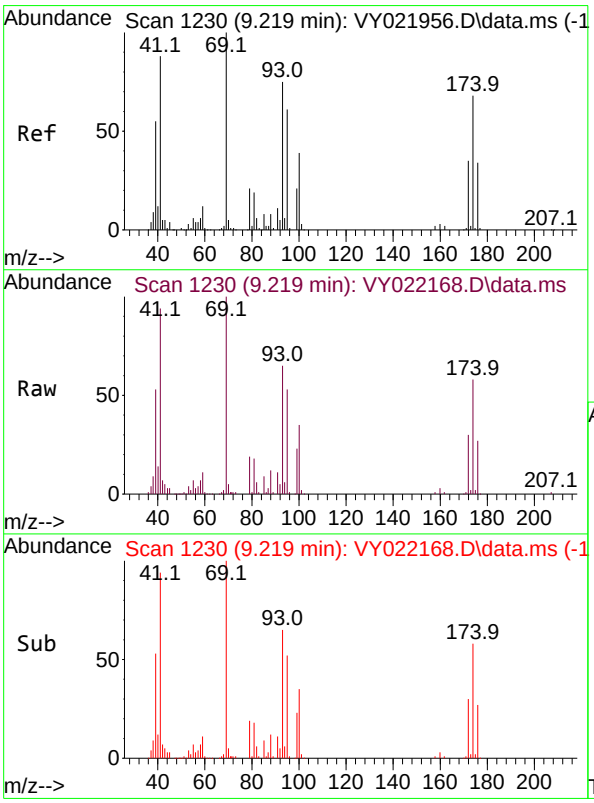
#47
Bromodichloromethane
Concen: 48.998 ug/l
RT: 9.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 160617

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.8	77.8
127	9.5	7.0	10.6

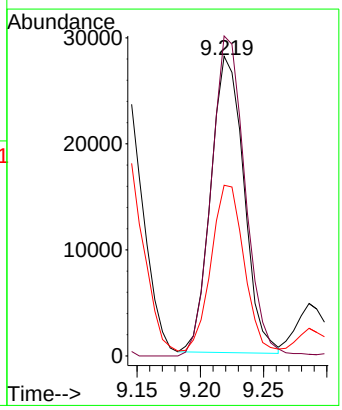


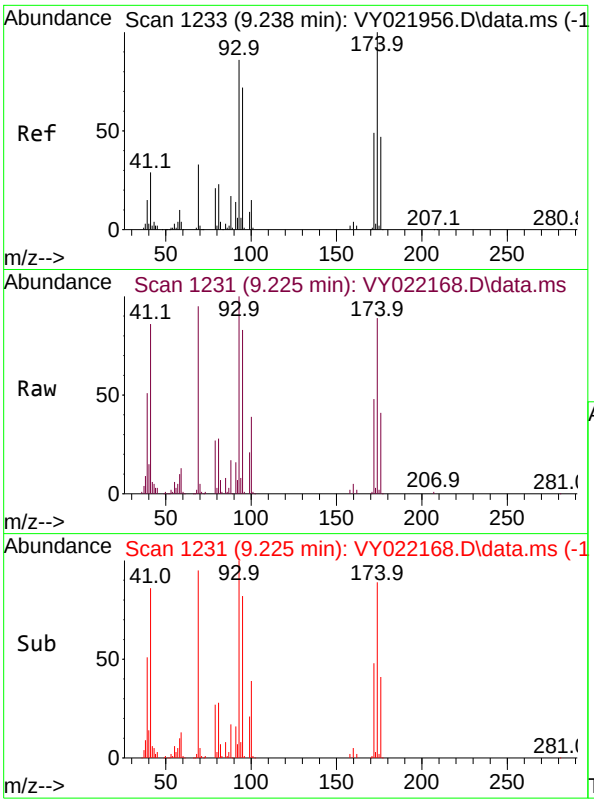


#48
Methyl methacrylate
Concen: 52.655 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 41 Resp: 50908

Ion	Ratio	Lower	Upper
41	100		
69	110.0	85.5	128.3
39	55.9	46.2	69.4



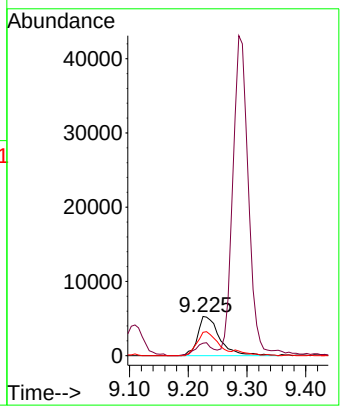


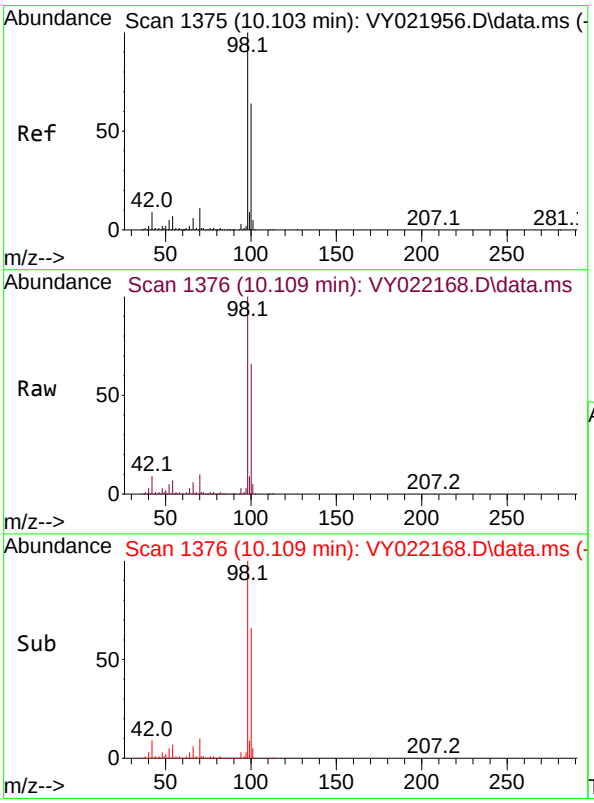
#49
1,4-Dioxane
Concen: 979.999 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.013 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 13706

Ion	Ratio	Lower	Upper
88	100		
43	25.7	21.3	31.9
58	57.6	50.5	75.7

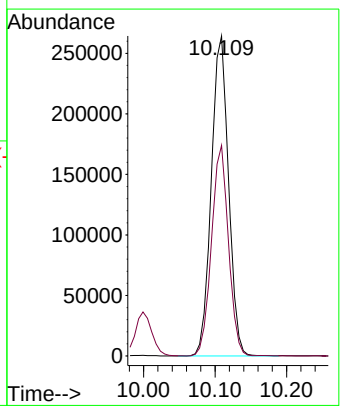


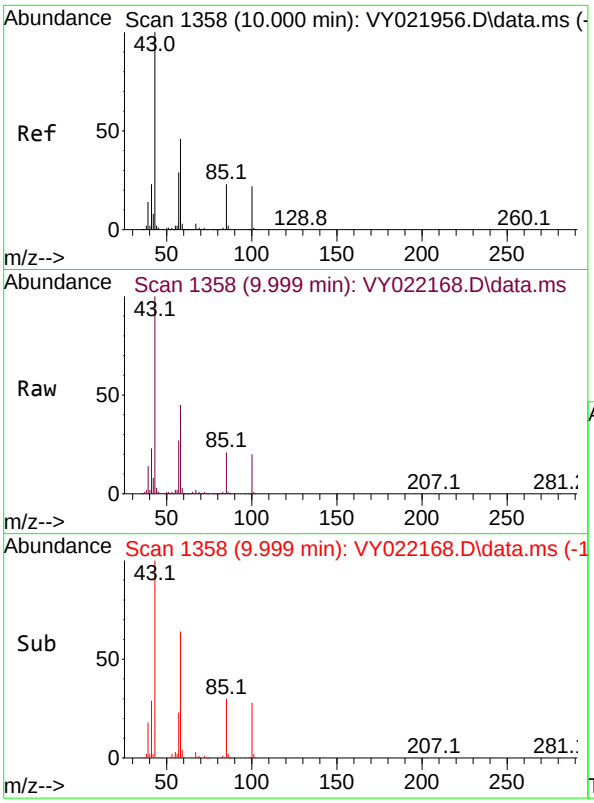


#50
Toluene-d8
Concen: 51.841 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 98 Resp: 441178

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4



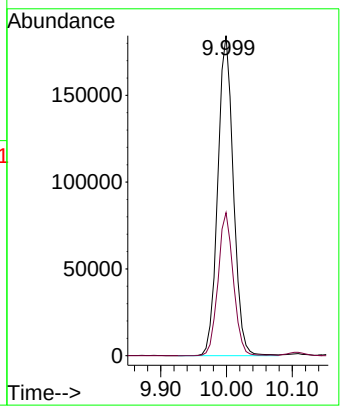


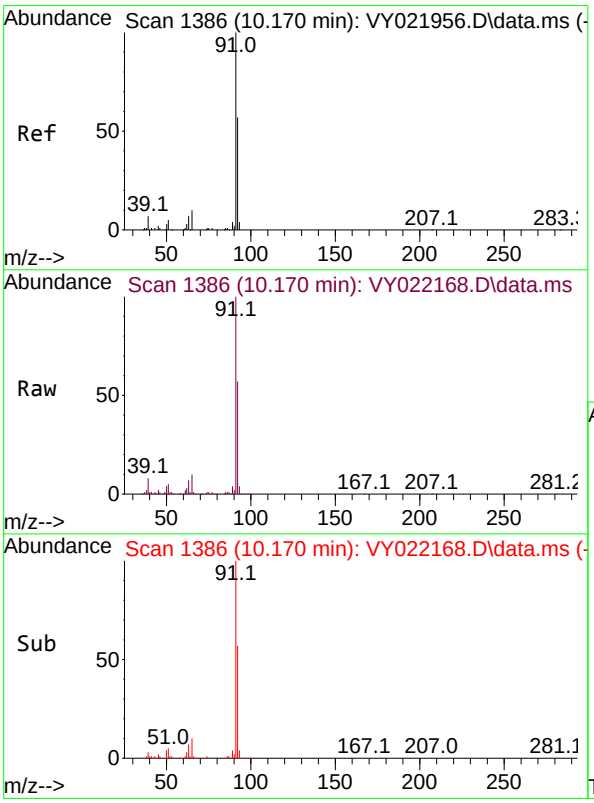
#51
4-Methyl-2-Pentanone
Concen: 277.484 ug/l
RT: 9.999 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 304217

Ion	Ratio	Lower	Upper
43	100		
58	44.0	36.6	55.0

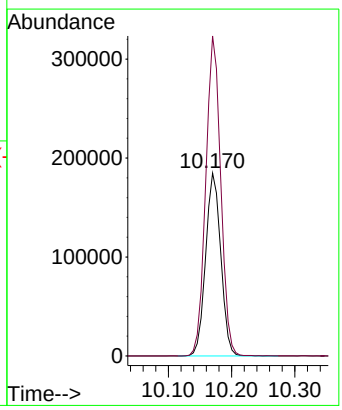


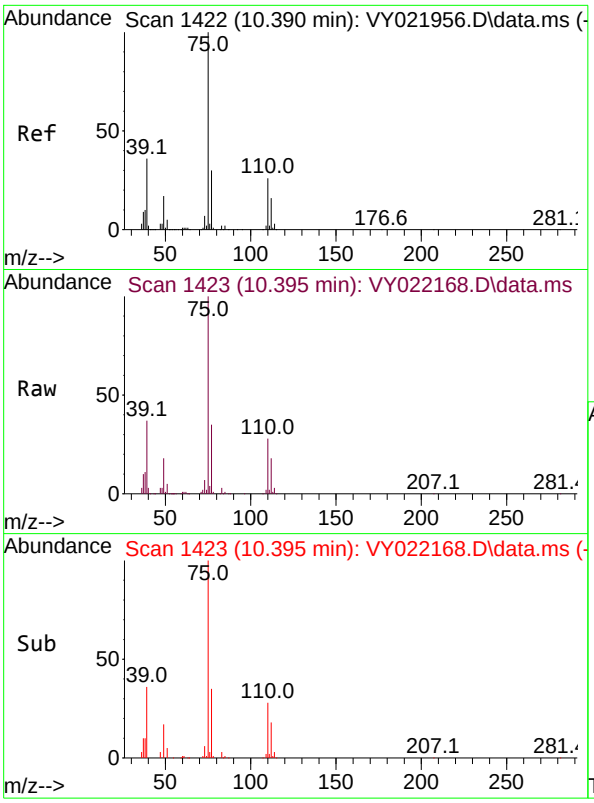


#52
Toluene
Concen: 50.183 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 92 Resp: 307906

Ion	Ratio	Lower	Upper
92	100		
91	173.3	138.6	207.8



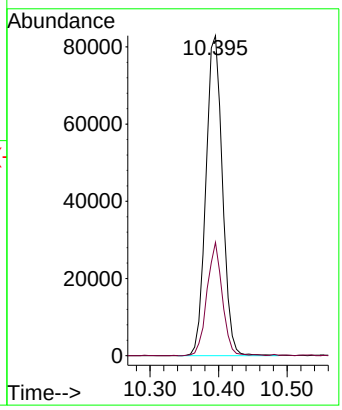


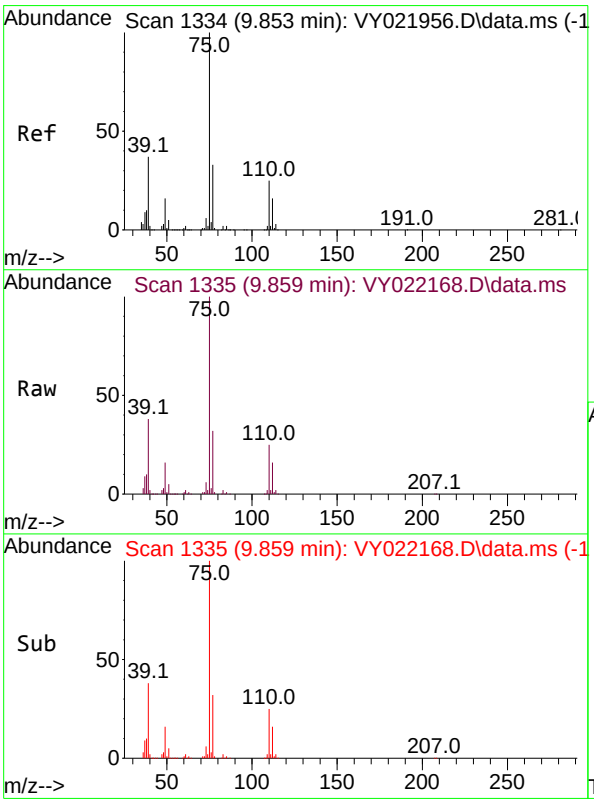
#53
t-1,3-Dichloropropene
Concen: 49.348 ug/l
RT: 10.395 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 138752

Ion	Ratio	Lower	Upper
75	100		
77	35.4	24.0	36.0

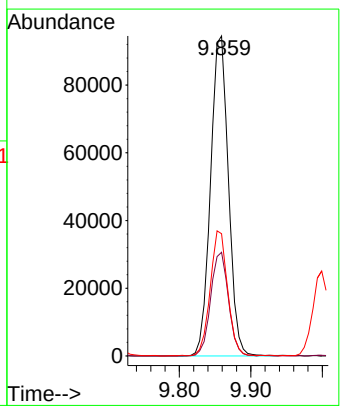


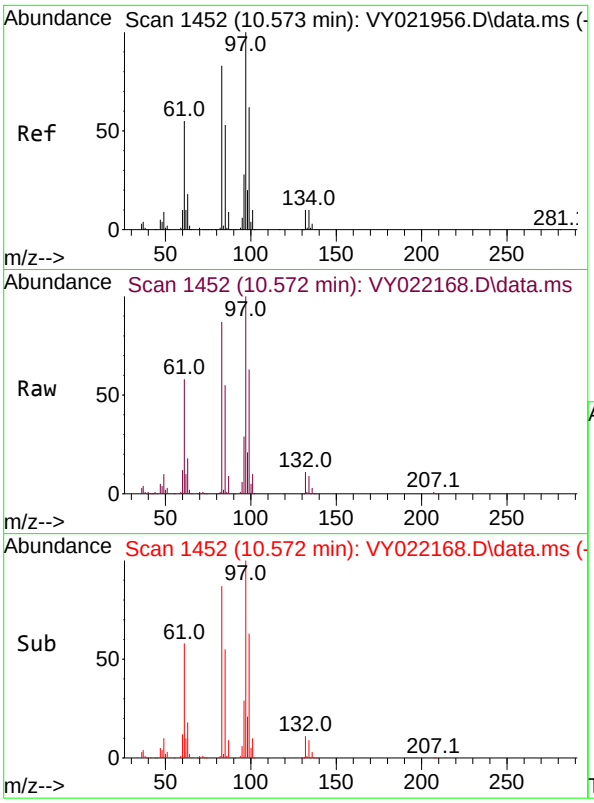


#54
cis-1,3-Dichloropropene
Concen: 49.139 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 164239

Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	40.0
39	38.1	29.6	44.4



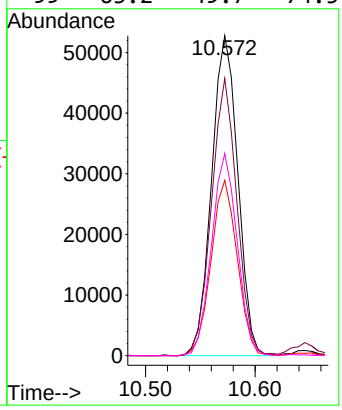


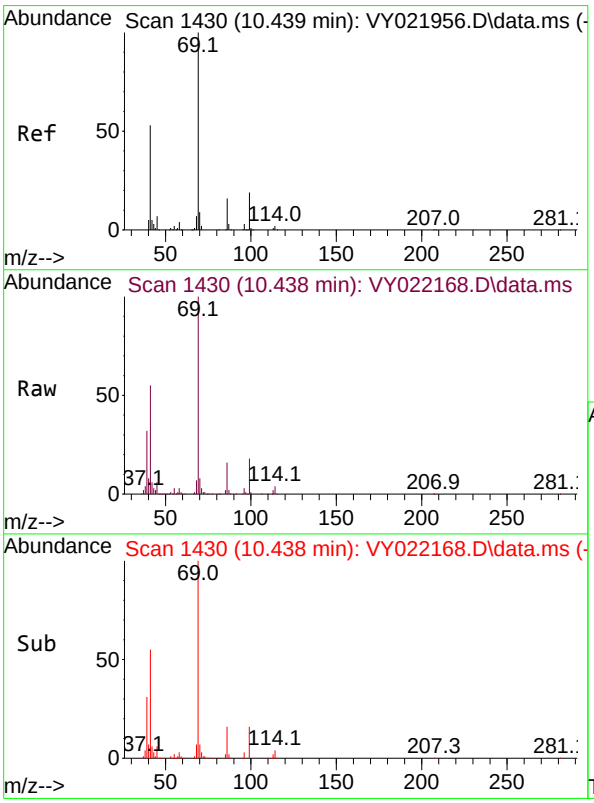
#55
1,1,2-Trichloroethane
Concen: 50.153 ug/l
RT: 10.572 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 87906

Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.7	100.1
85	54.8	42.6	64.0
99	63.2	49.7	74.5

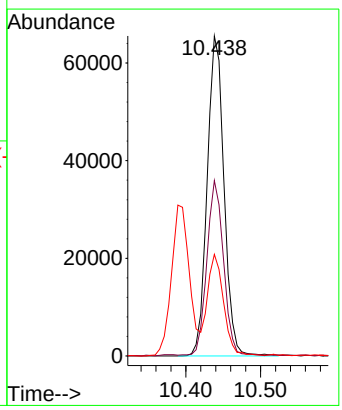


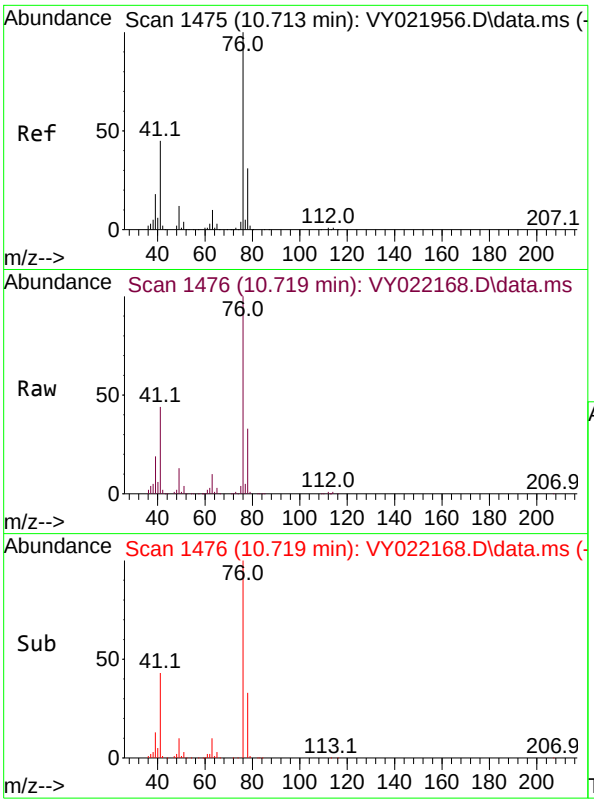


#56
Ethyl methacrylate
Concen: 51.135 ug/l
RT: 10.438 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 69 Resp: 102496

Ion	Ratio	Lower	Upper
69	100		
41	54.0	40.7	61.1
39	29.8	23.3	34.9



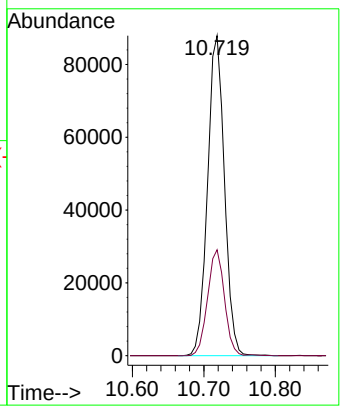


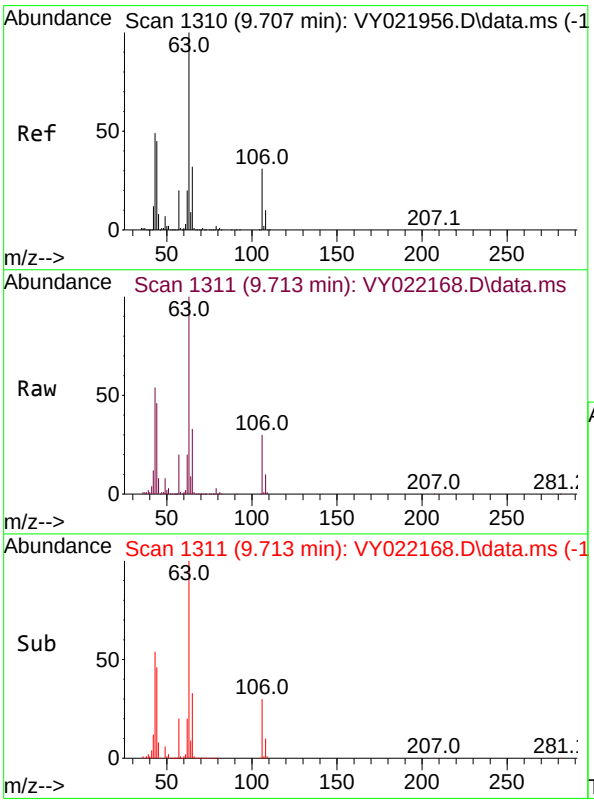
#57
1,3-Dichloropropane
Concen: 51.247 ug/l
RT: 10.719 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 144000

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.6	39.8

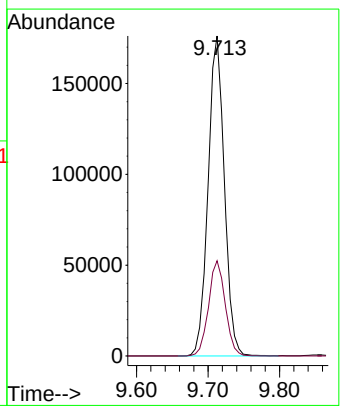


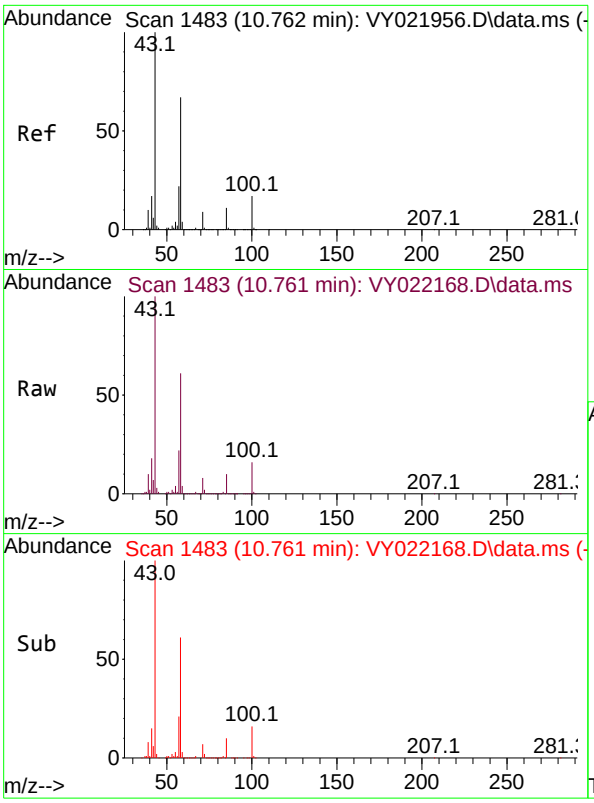


#58
2-Chloroethyl Vinyl ether
Concen: 283.528 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 63 Resp: 277862

Ion	Ratio	Lower	Upper
63	100		
106	30.5	25.3	37.9



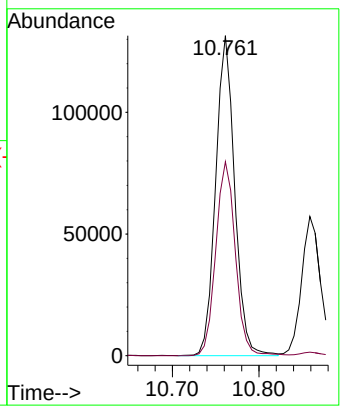


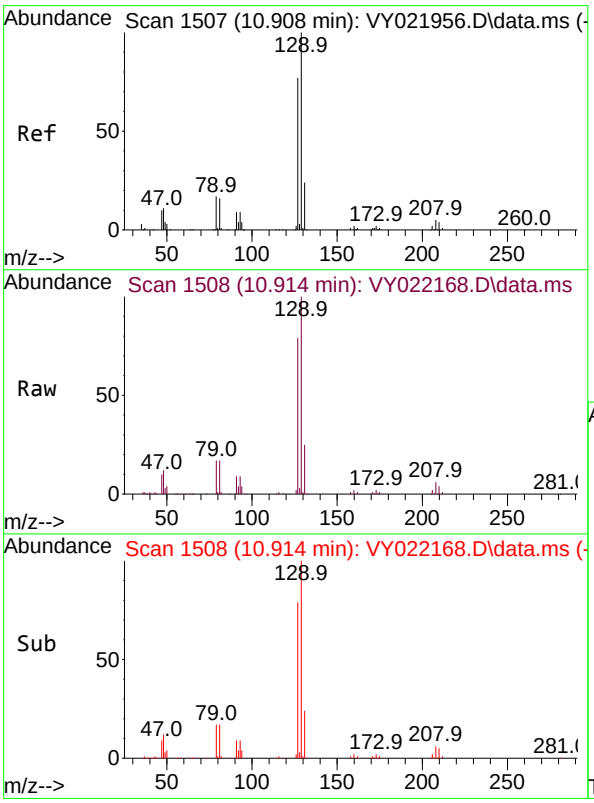
#59
2-Hexanone
Concen: 277.284 ug/l
RT: 10.761 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 200512

Ion	Ratio	Lower	Upper
43	100		
58	62.3	32.0	96.0

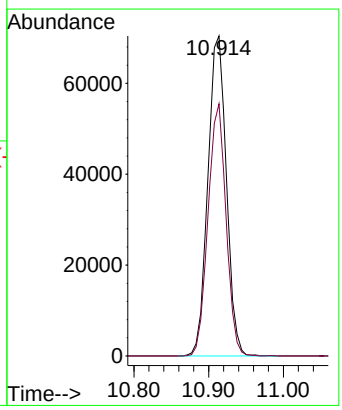


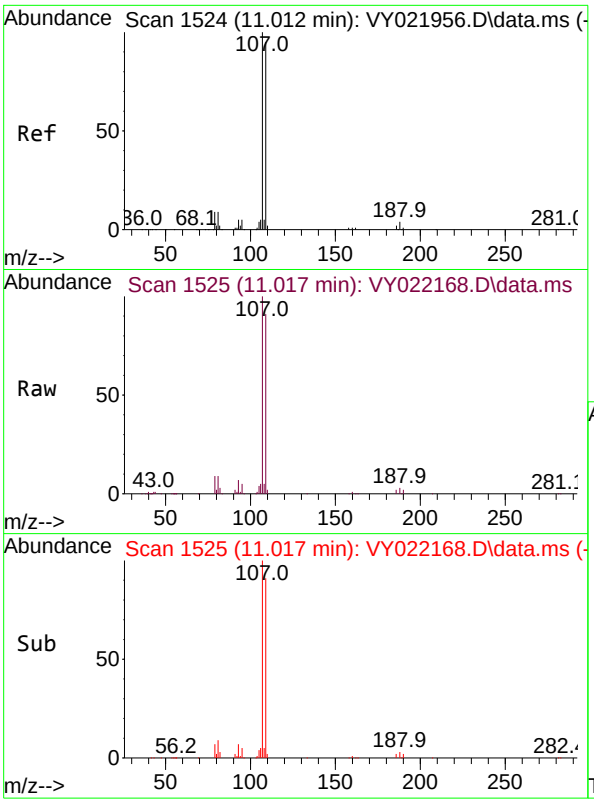


#60
Dibromochloromethane
Concen: 50.002 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:129 Resp: 121340

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.3



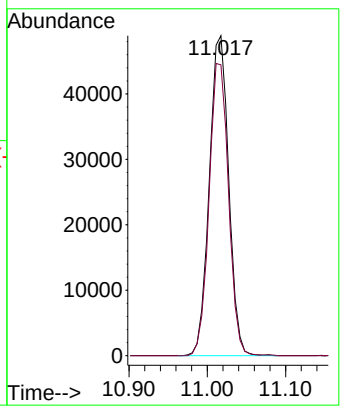


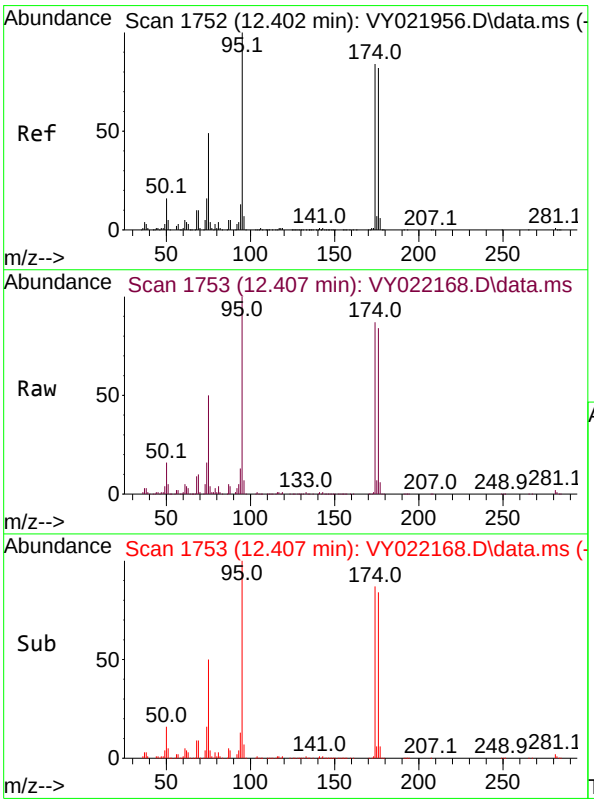
#61
1,2-Dibromoethane
Concen: 50.718 ug/l
RT: 11.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 83925

Ion	Ratio	Lower	Upper
107	100		
109	91.5	75.8	113.8

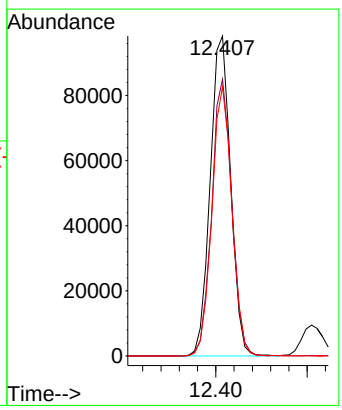


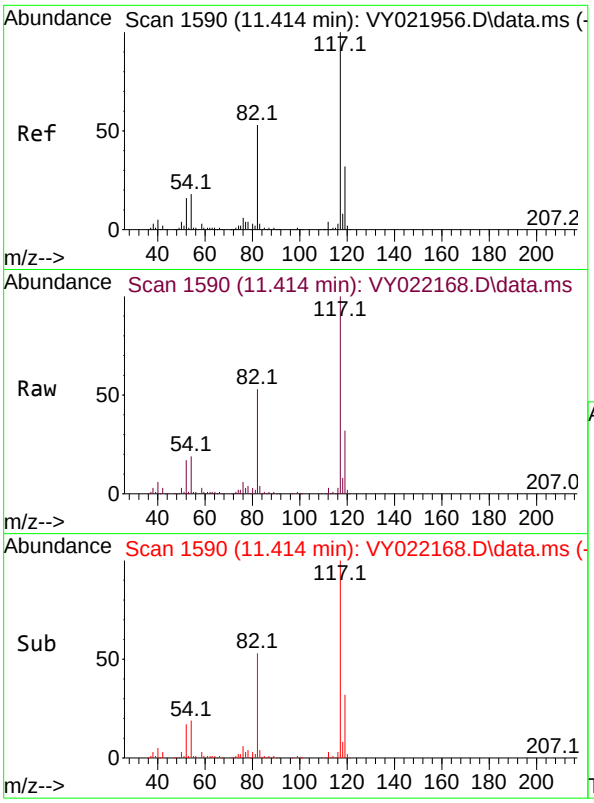


#62
4-Bromofluorobenzene
Concen: 53.325 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 95 Resp: 152772

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	179.0
176	82.2	0.0	171.8



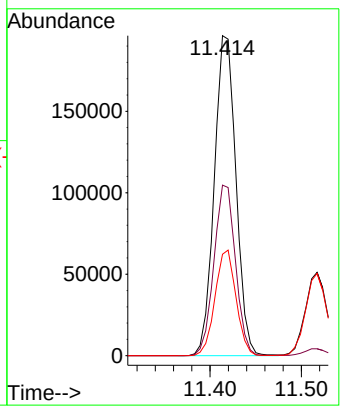


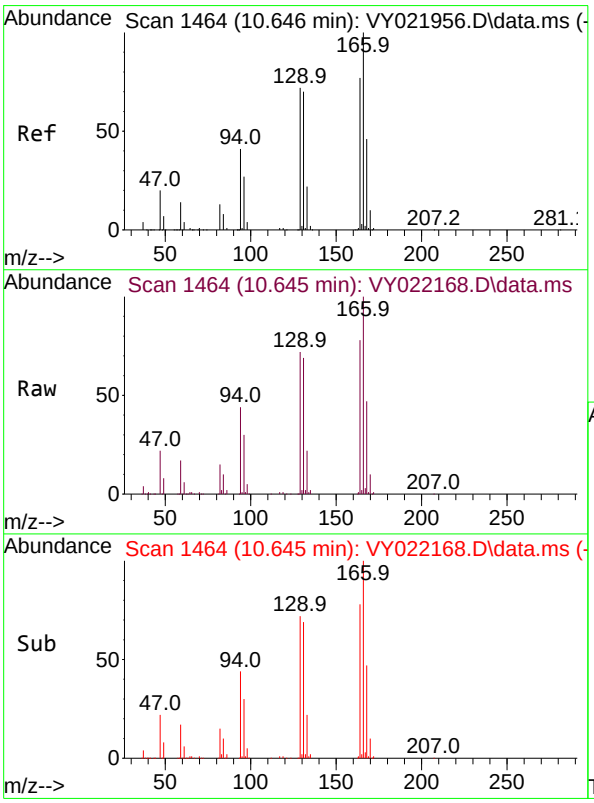
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 323650

Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	31.7	25.7	38.5

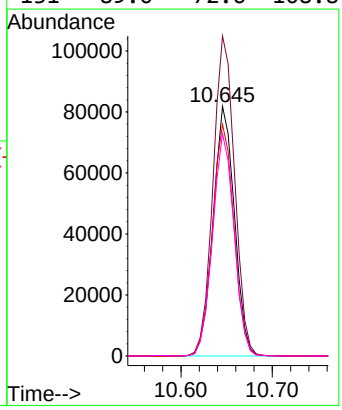


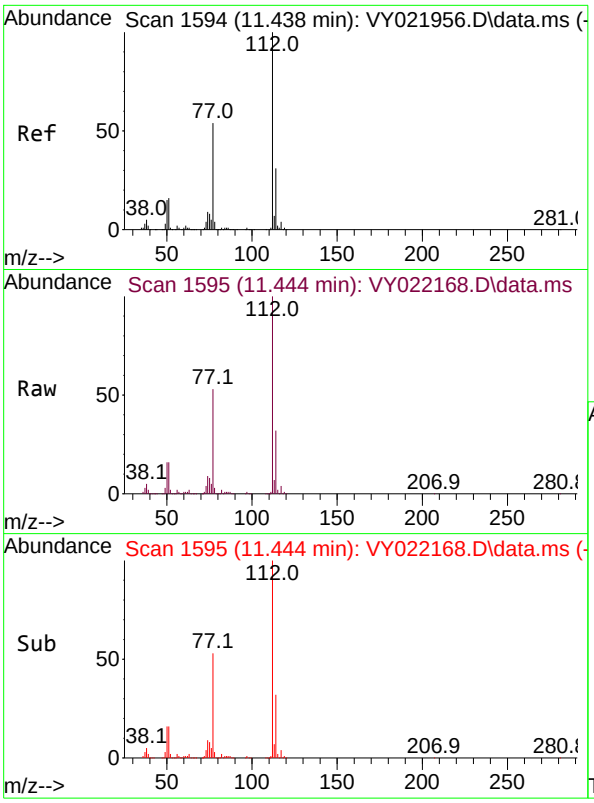


#64
Tetrachloroethene
Concen: 43.441 ug/l
RT: 10.645 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:164 Resp: 132633

Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.6	155.4
129	92.8	74.2	111.4
131	89.0	72.6	108.8



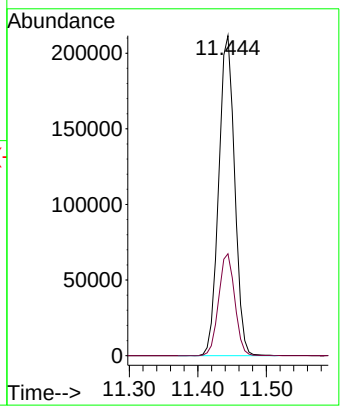


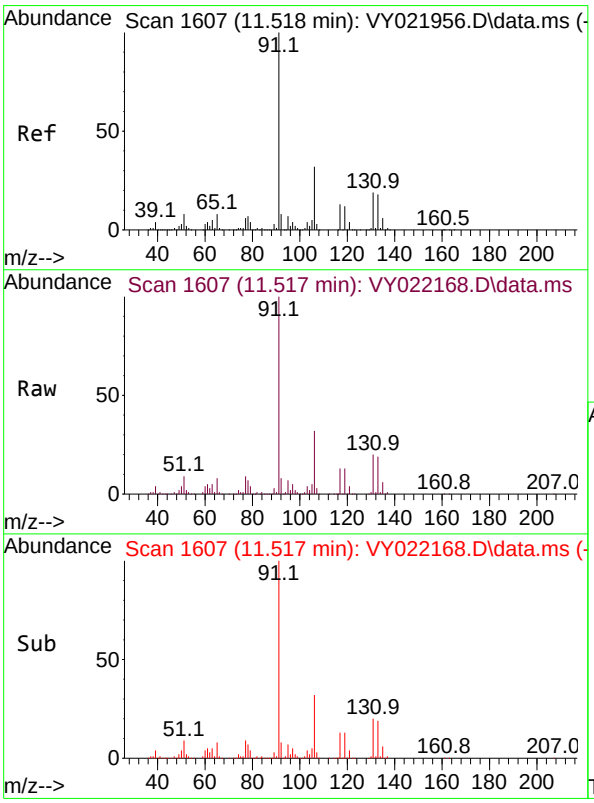
#65
Chlorobenzene
Concen: 47.013 ug/l
RT: 11.444 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 340265

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.4

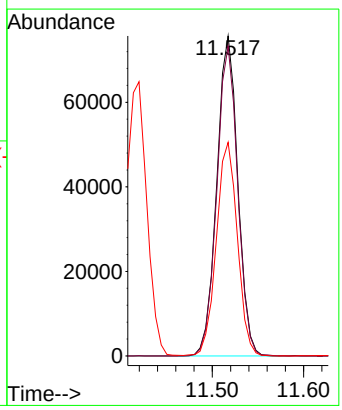


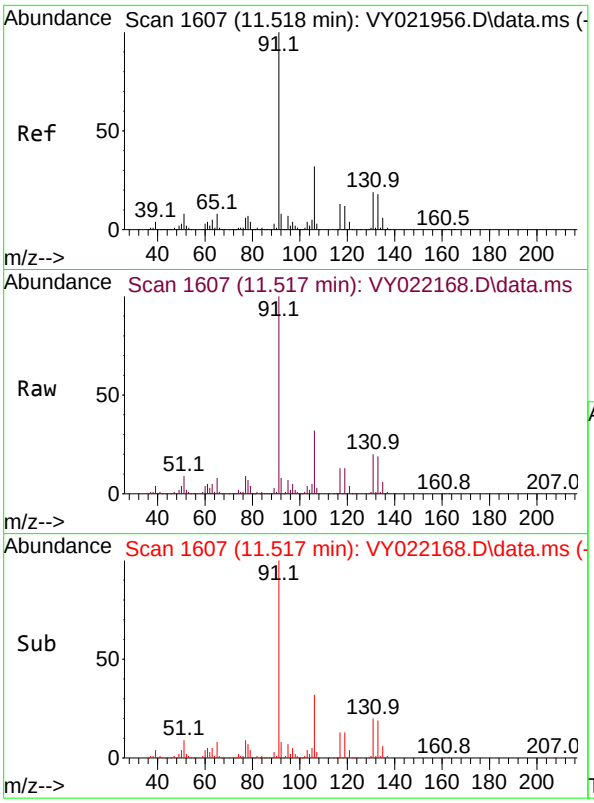


#66
1,1,1,2-Tetrachloroethane
Concen: 47.490 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:131 Resp: 121008

Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.8	143.3
119	66.9	32.4	97.0



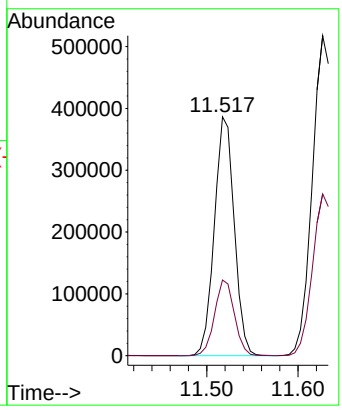


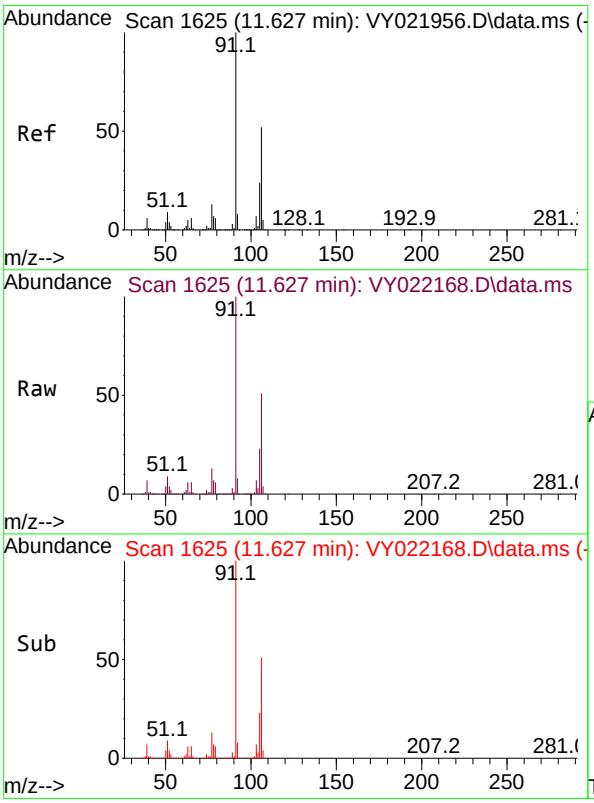
#67
Ethyl Benzene
Concen: 49.439 ug/l
RT: 11.517 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 585337

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.9	38.9

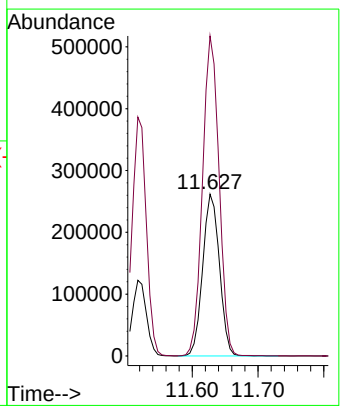


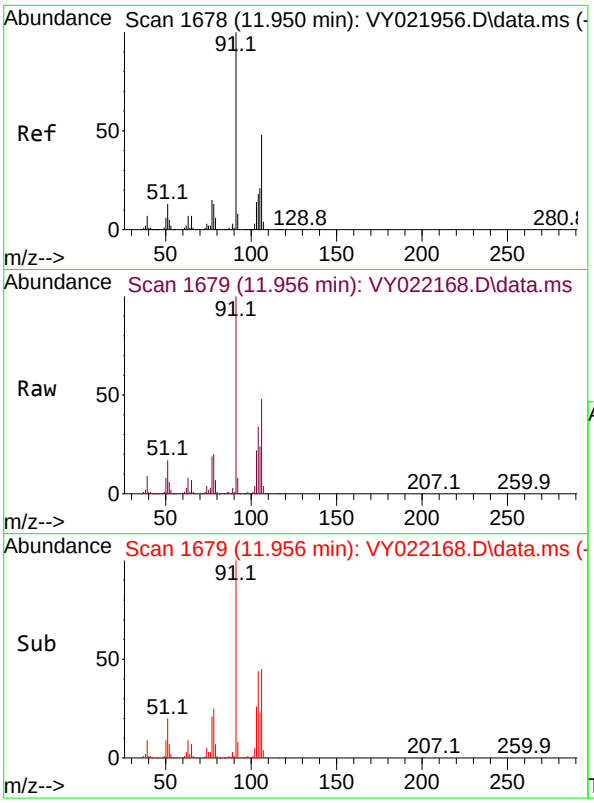


#68
m/p-Xylenes
Concen: 98.163 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:106 Resp: 462468

Ion	Ratio	Lower	Upper
106	100		
91	195.8	156.2	234.2



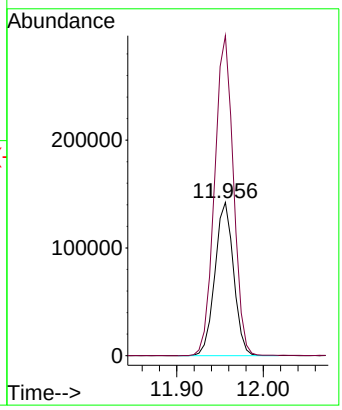


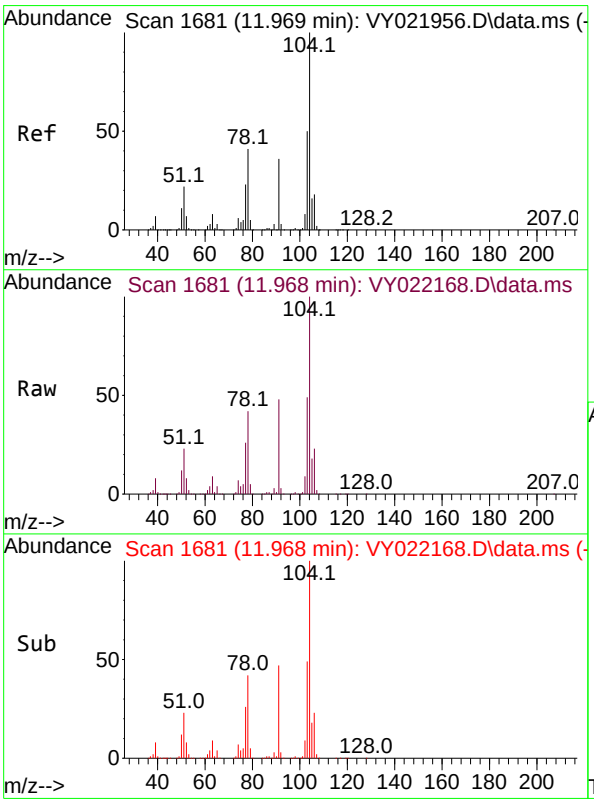
#69
o-Xylene
Concen: 49.049 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 212986

Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.0	308.9

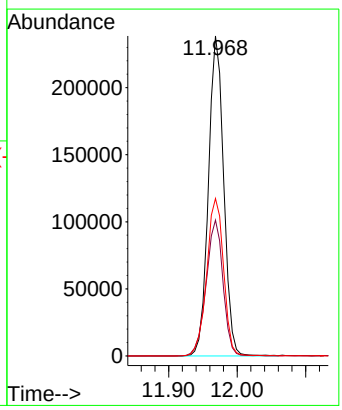


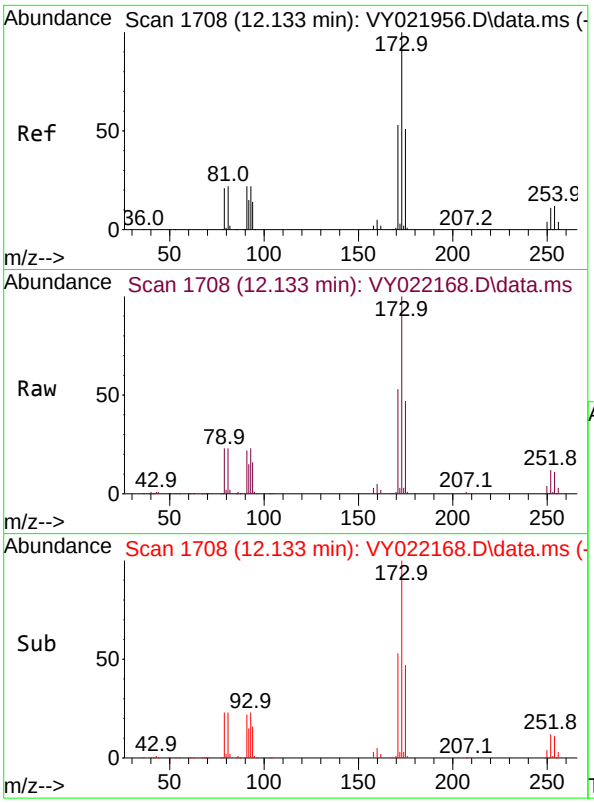


#70
Styrene
Concen: 50.838 ug/l
RT: 11.968 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:104 Resp: 370652

Ion	Ratio	Lower	Upper
104	100		
78	46.7	36.6	54.8
103	54.2	43.8	65.8



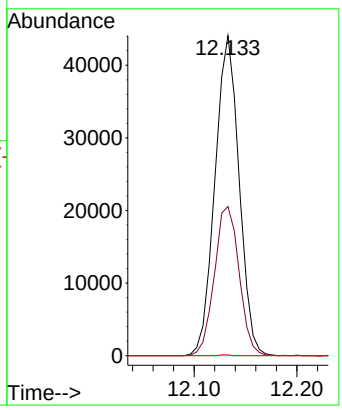


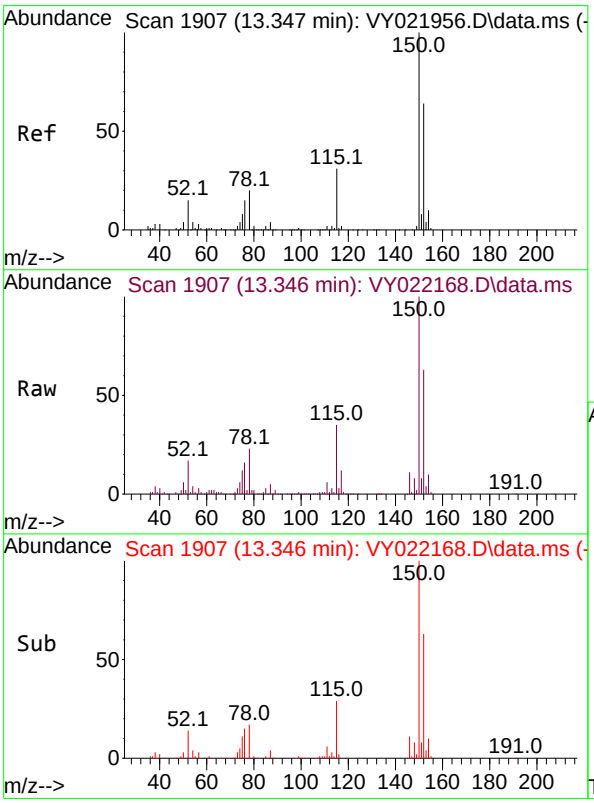
#71
Bromoform
Concen: 48.443 ug/l
RT: 12.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 71764

Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.1	0.0	0.0#

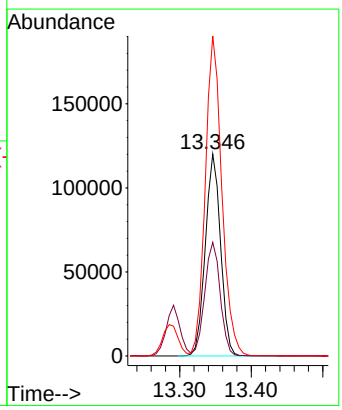


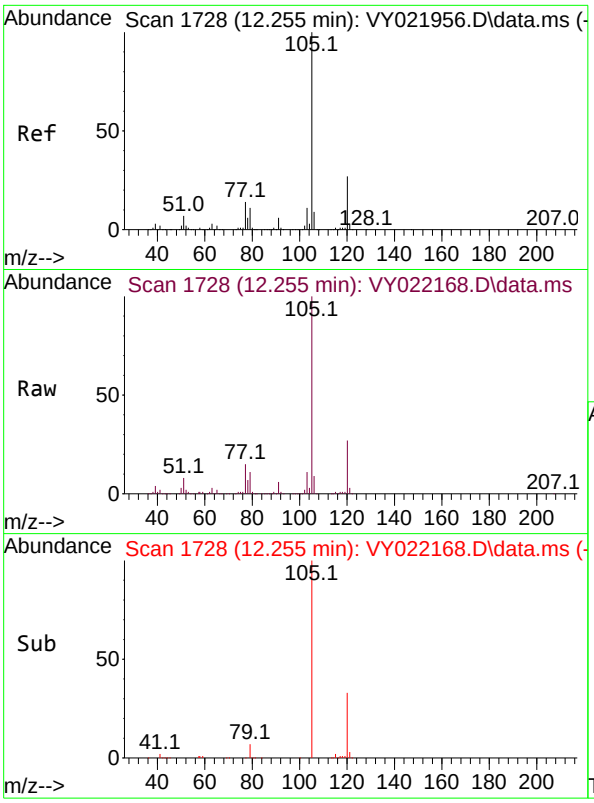


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:152 Resp: 178080

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.0	84.0
150	172.4	0.0	345.6



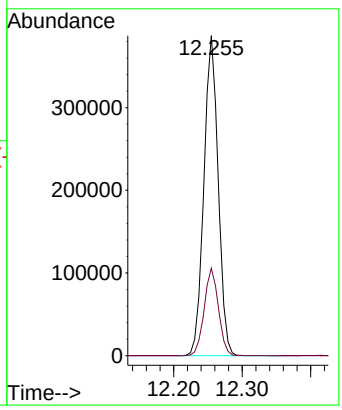


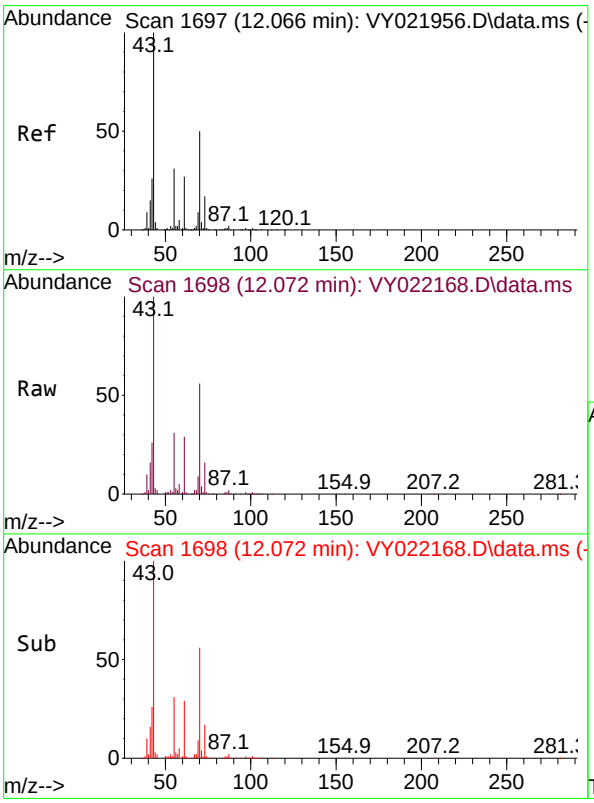
#73
Isopropylbenzene
Concen: 47.251 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 562175

Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5

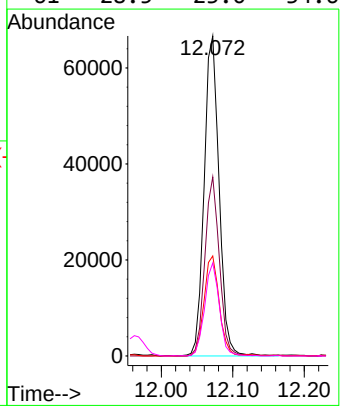


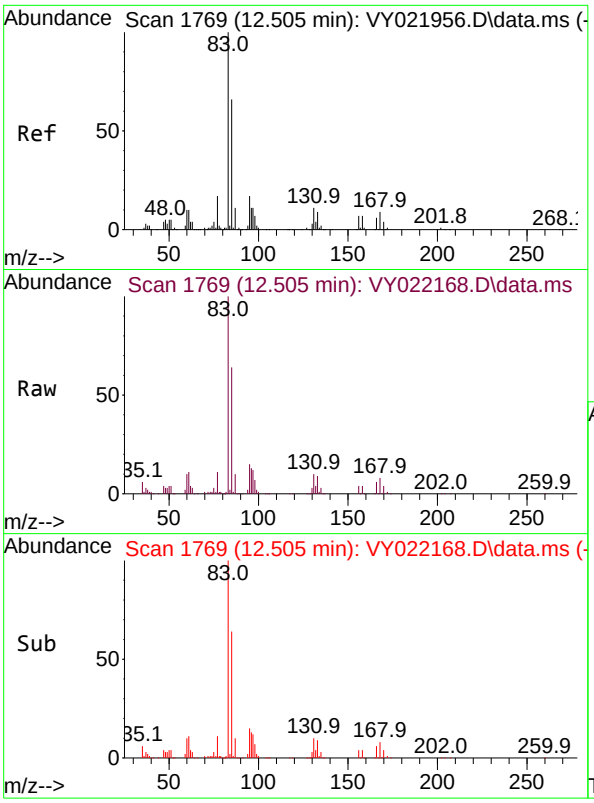


#74
N-amyl acetate
Concen: 47.439 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 43 Resp: 96972

Ion	Ratio	Lower	Upper
43	100		
70	54.1	43.2	64.8
55	31.7	25.7	38.5
61	28.5	23.0	34.6



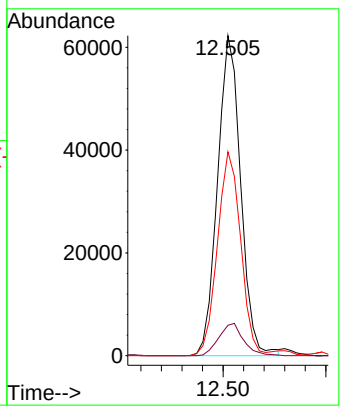


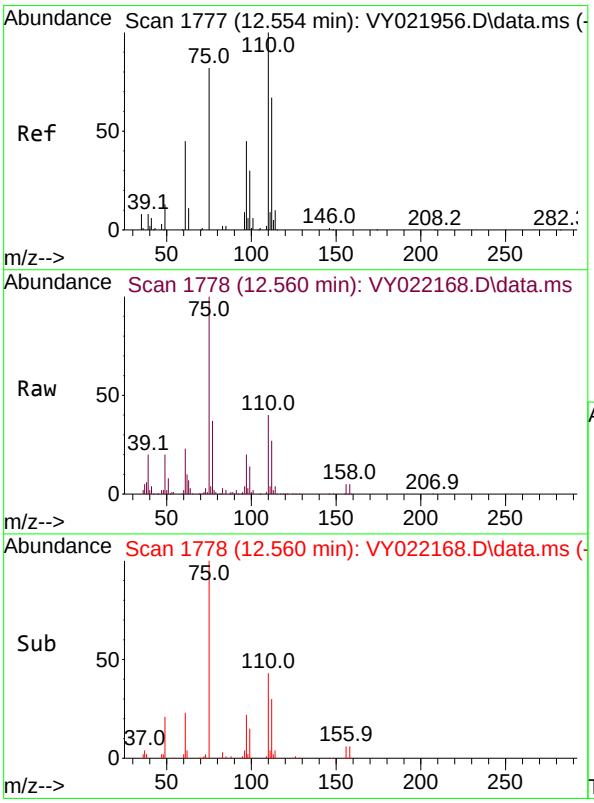
#75
1,1,2,2-Tetrachloroethane
Concen: 48.471 ug/l
RT: 12.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 97229

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	63.9	32.3	96.8

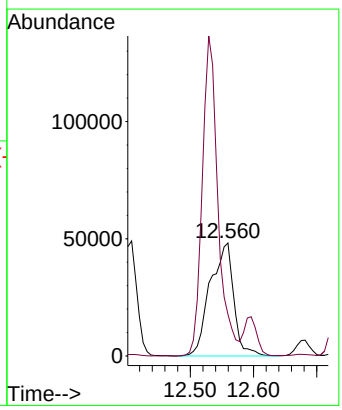


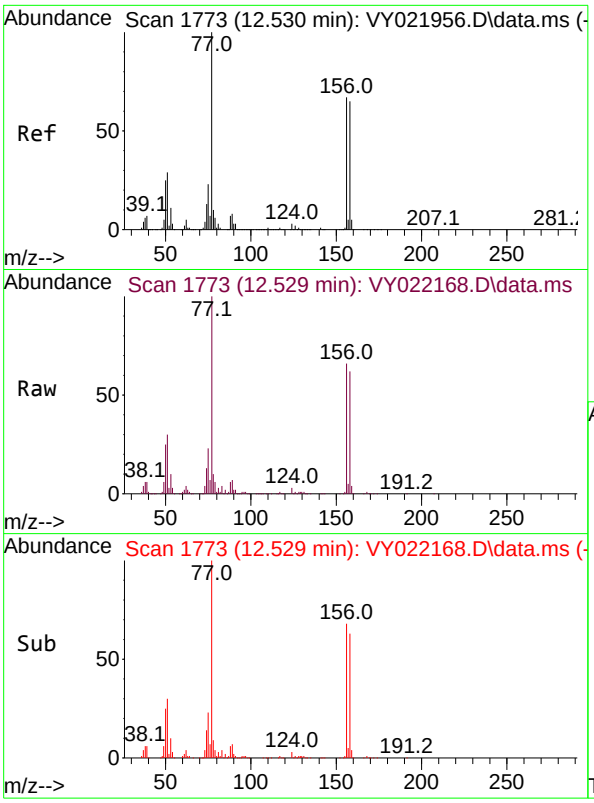


#76
1,2,3-Trichloropropane
Concen: 81.943 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 124991

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



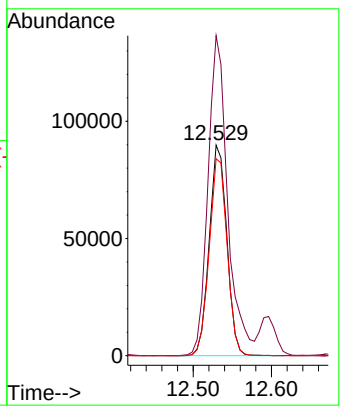


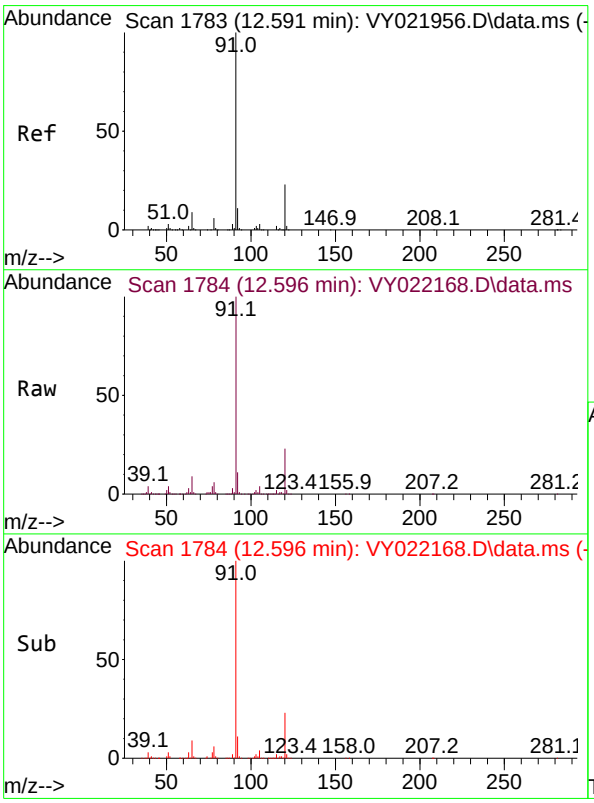
#77
Bromobenzene
Concen: 46.522 ug/l
RT: 12.529 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 139863

Ion	Ratio	Lower	Upper
156	100		
77	170.1	82.7	248.1
158	95.2	48.1	144.4

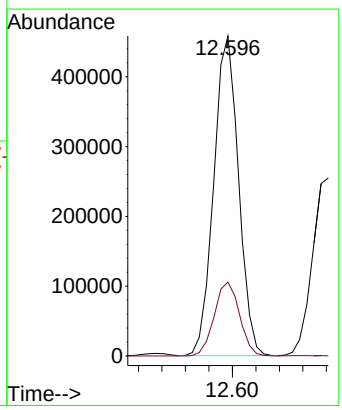


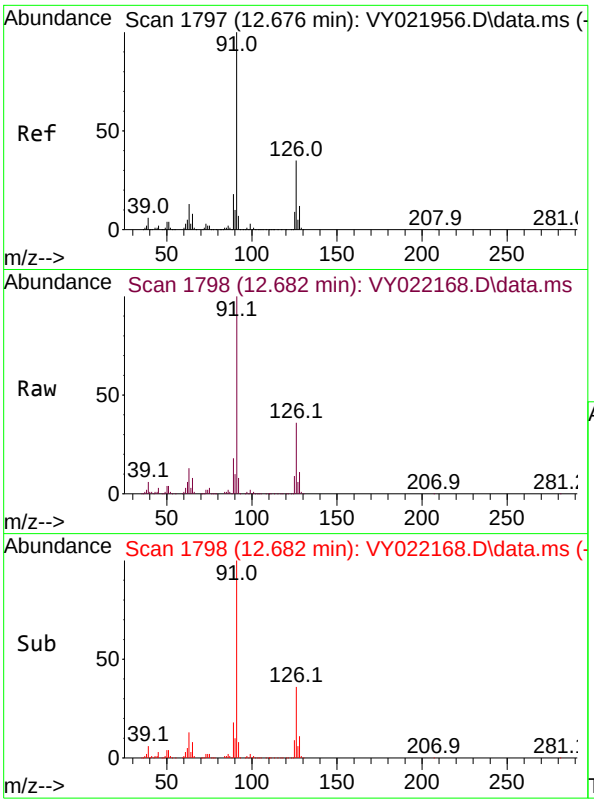


#78
n-propylbenzene
Concen: 47.320 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 91 Resp: 670469

Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5



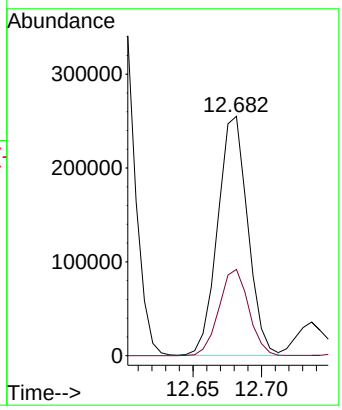


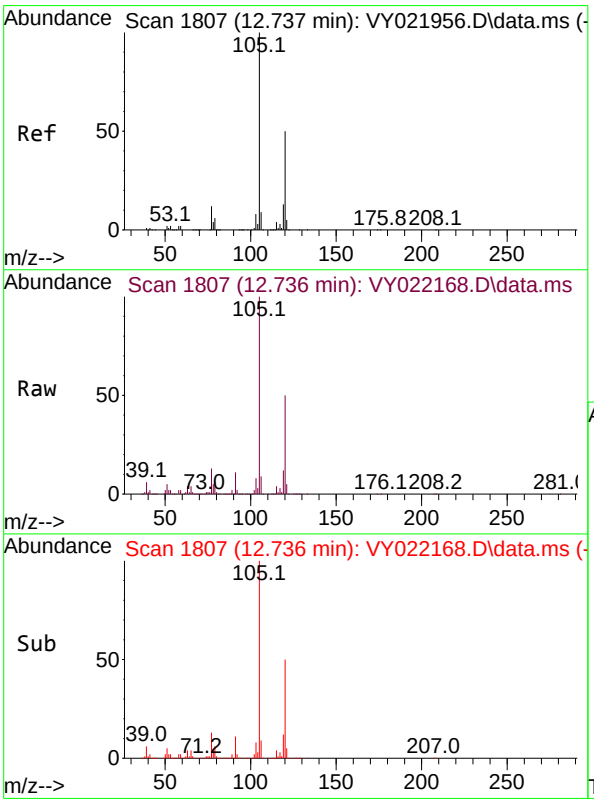
#79
2-Chlorotoluene
Concen: 47.124 ug/l
RT: 12.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 388305

Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.8

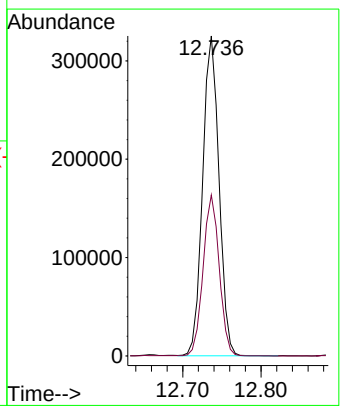


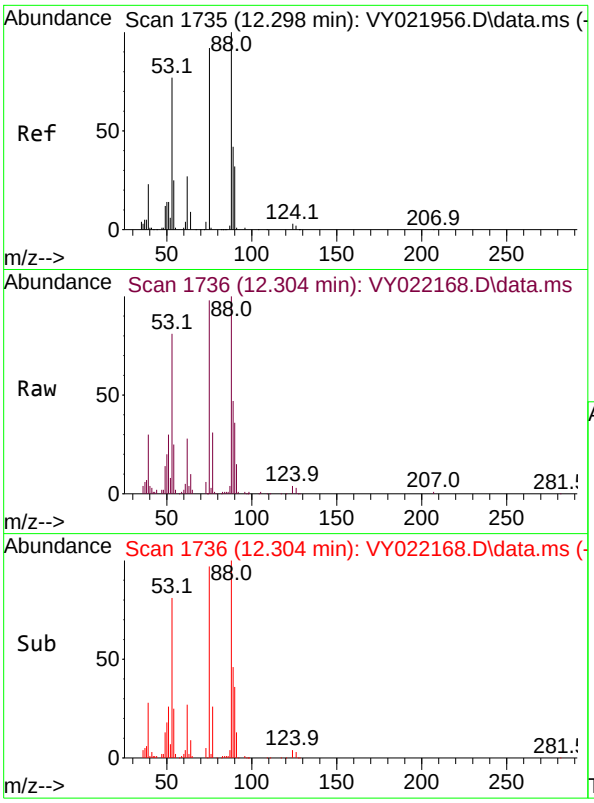


#80
1,3,5-Trimethylbenzene
Concen: 47.991 ug/l
RT: 12.736 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:105 Resp: 470455

Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.0	75.0



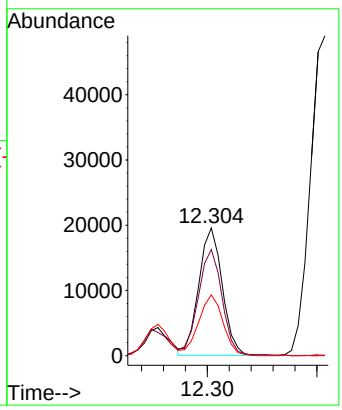


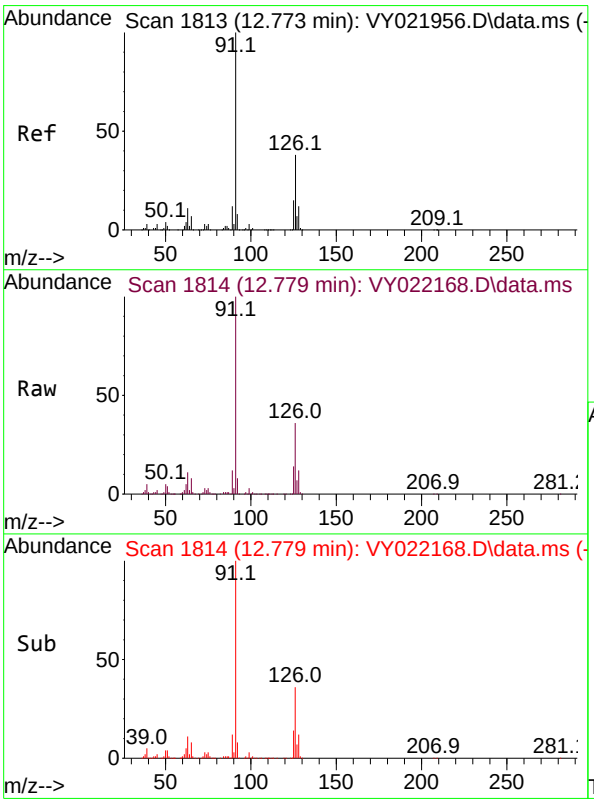
#81
trans-1,4-Dichloro-2-butene
Concen: 45.975 ug/l
RT: 12.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 29121

Ion	Ratio	Lower	Upper
75	100		
53	83.1	66.0	99.0
89	49.7	37.2	55.8

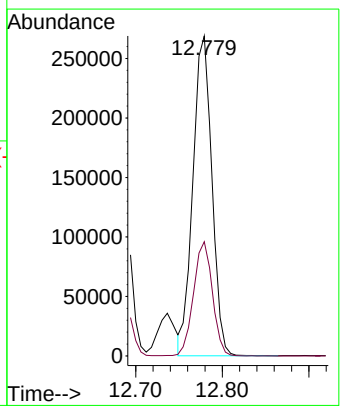


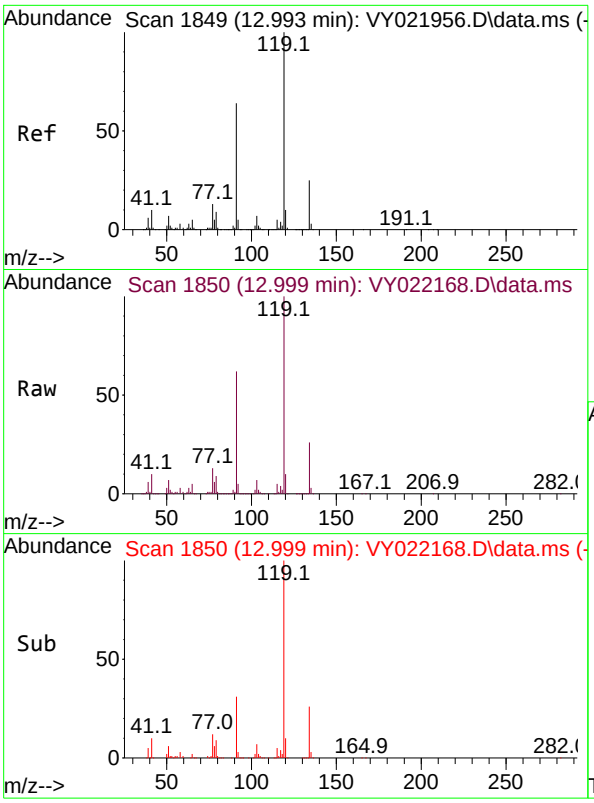


#82
4-Chlorotoluene
Concen: 47.817 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 91 Resp: 409587

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.8



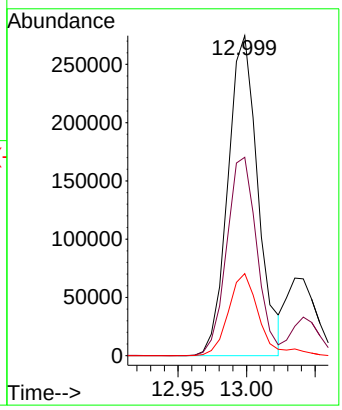


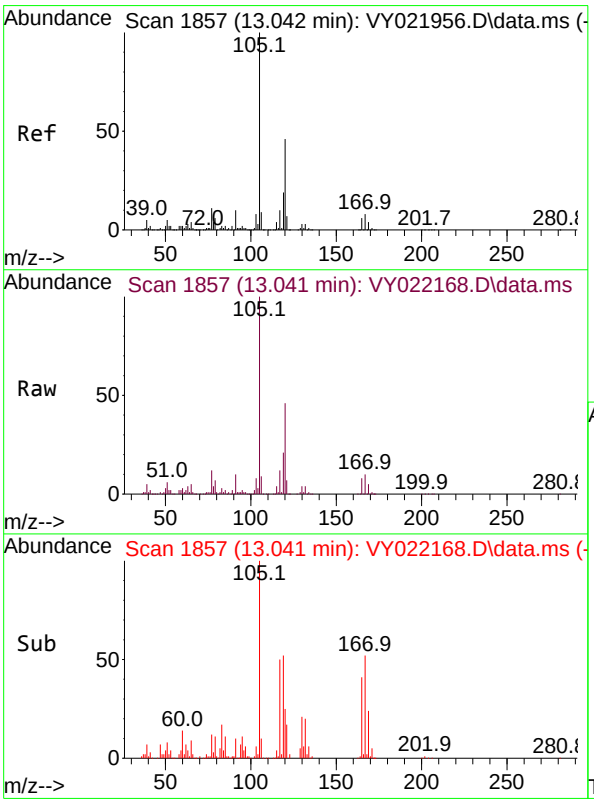
#83
tert-Butylbenzene
Concen: 47.656 ug/l
RT: 12.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 418984

Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.3	90.9
134	26.4	12.9	38.7

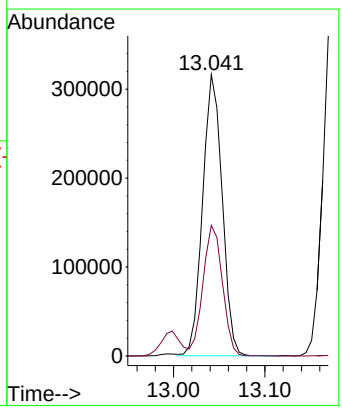


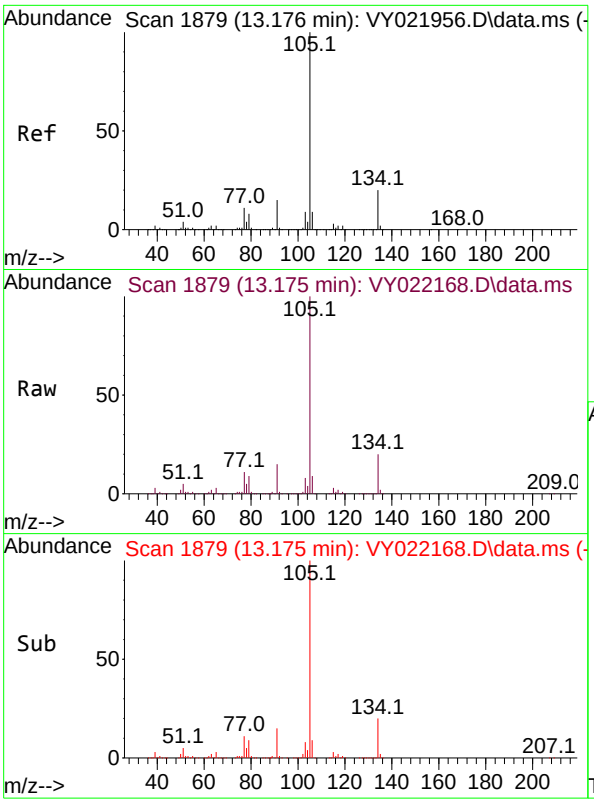


#84
1,2,4-Trimethylbenzene
Concen: 47.823 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:105 Resp: 468919

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.4	70.0



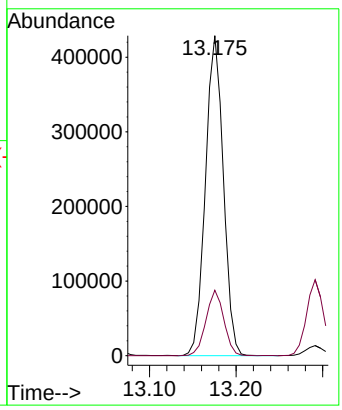


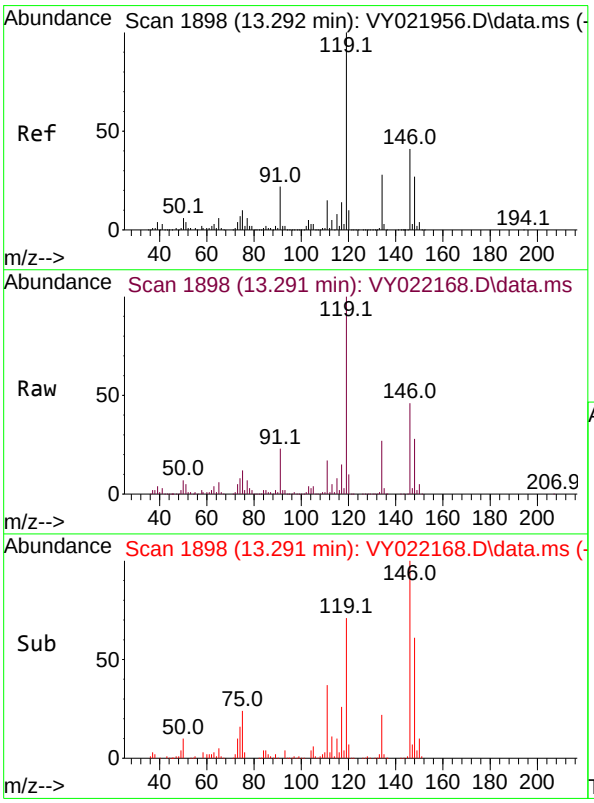
#85
sec-Butylbenzene
Concen: 47.812 ug/l
RT: 13.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 615110

Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.9

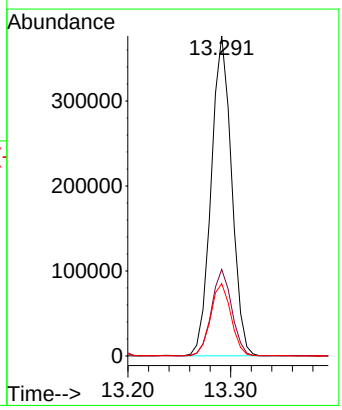


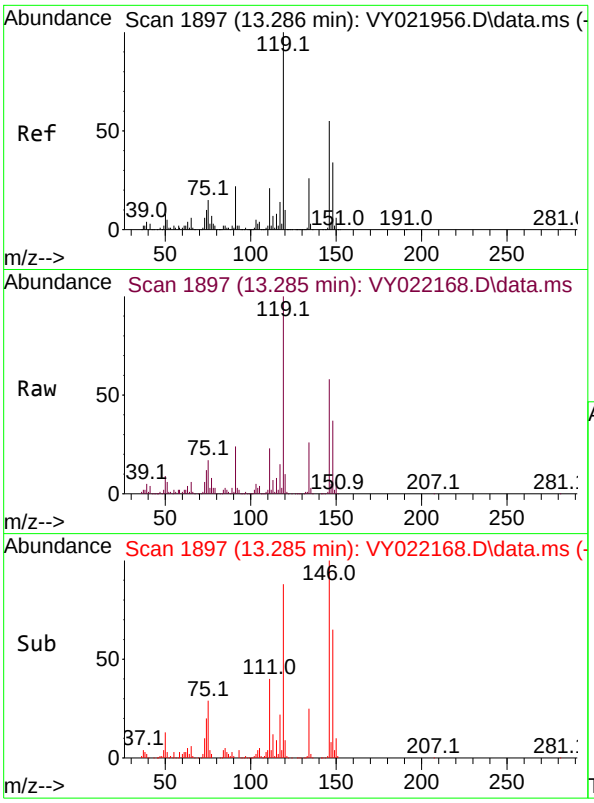


#86
p-Isopropyltoluene
Concen: 47.462 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:119 Resp: 518498

Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	22.6	11.0	33.0



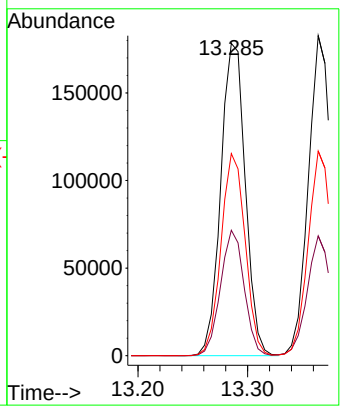


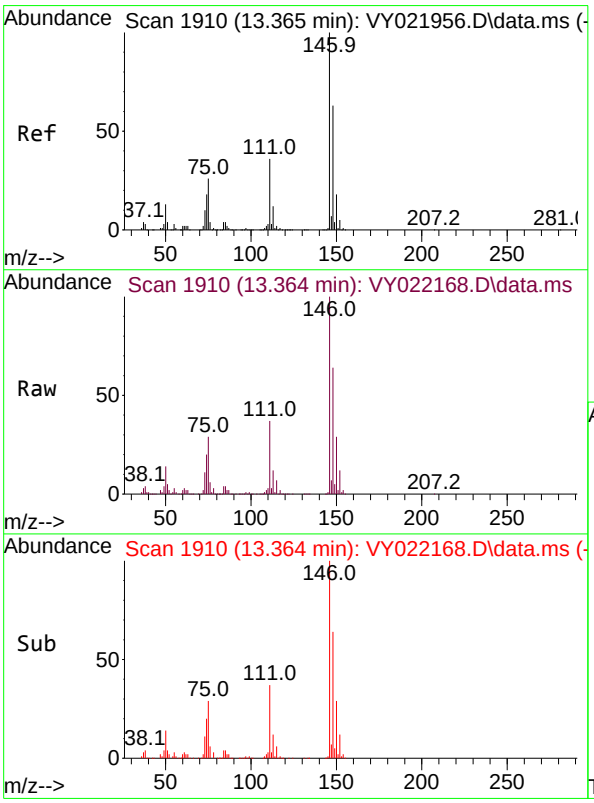
#87
1,3-Dichlorobenzene
Concen: 45.473 ug/l
RT: 13.285 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 277657

Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.5
148	63.6	32.0	96.2

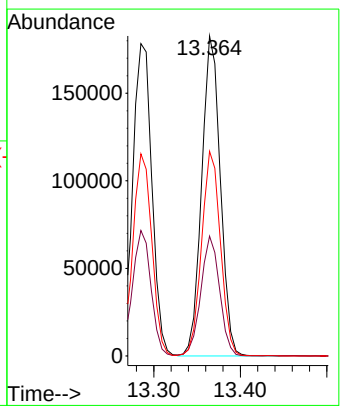


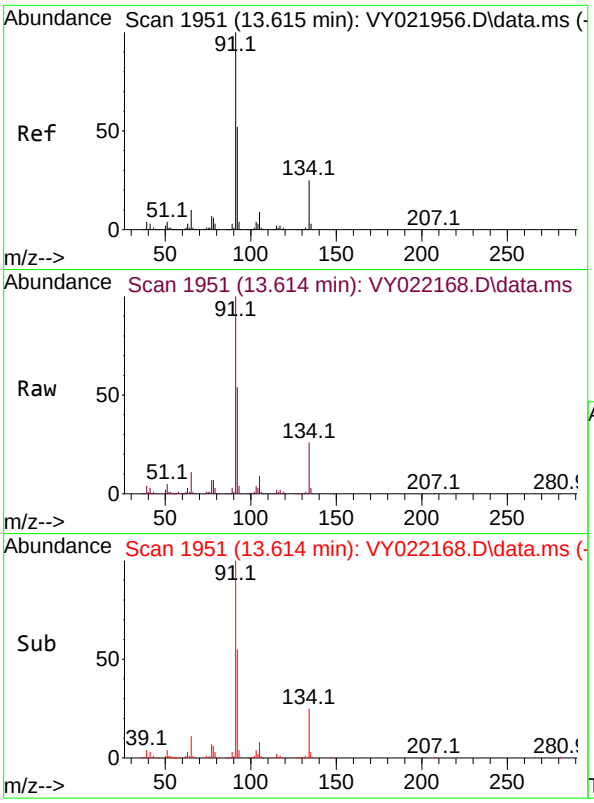


#88
1,4-Dichlorobenzene
Concen: 45.233 ug/l
RT: 13.364 min Scan# 1910
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:146 Resp: 273541

Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.2	57.6
148	64.7	32.0	96.0



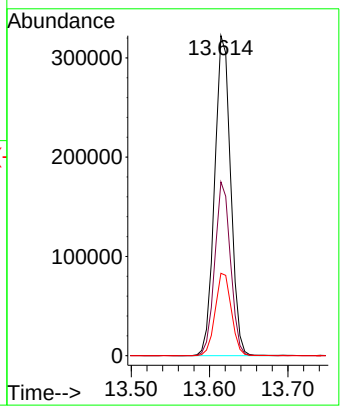


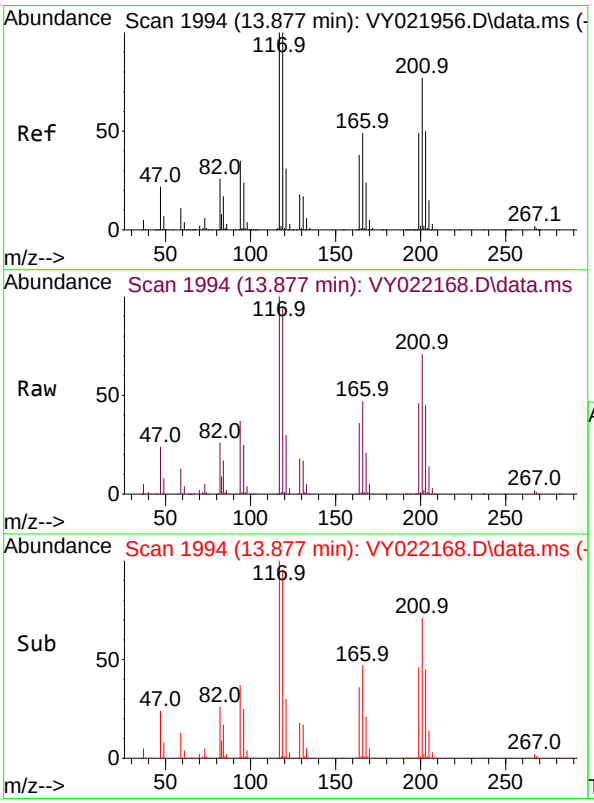
#89
n-Butylbenzene
Concen: 47.103 ug/l
RT: 13.614 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 459947

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	26.0	13.4	40.1

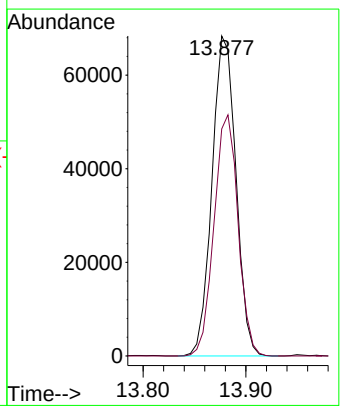


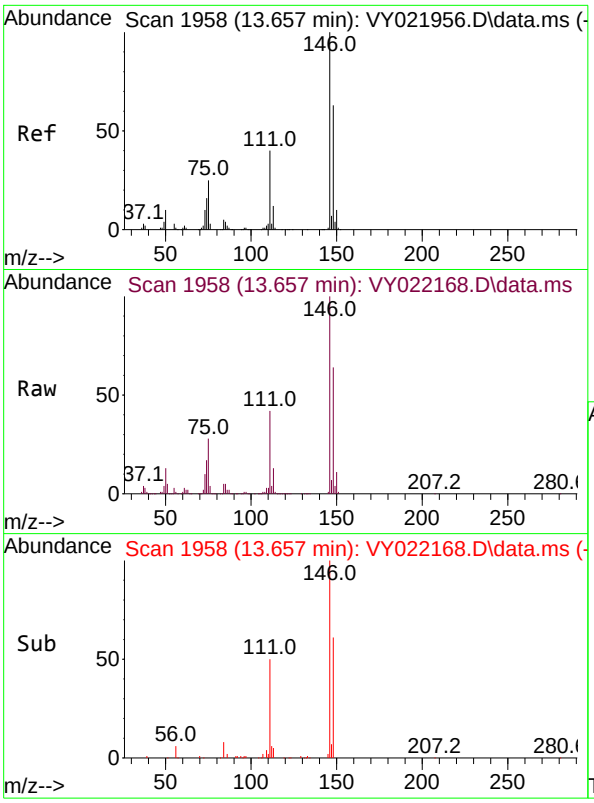


#90
Hexachloroethane
Concen: 46.068 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:117 Resp: 110572

Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.7	116.1



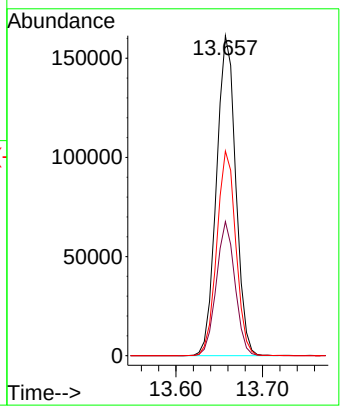


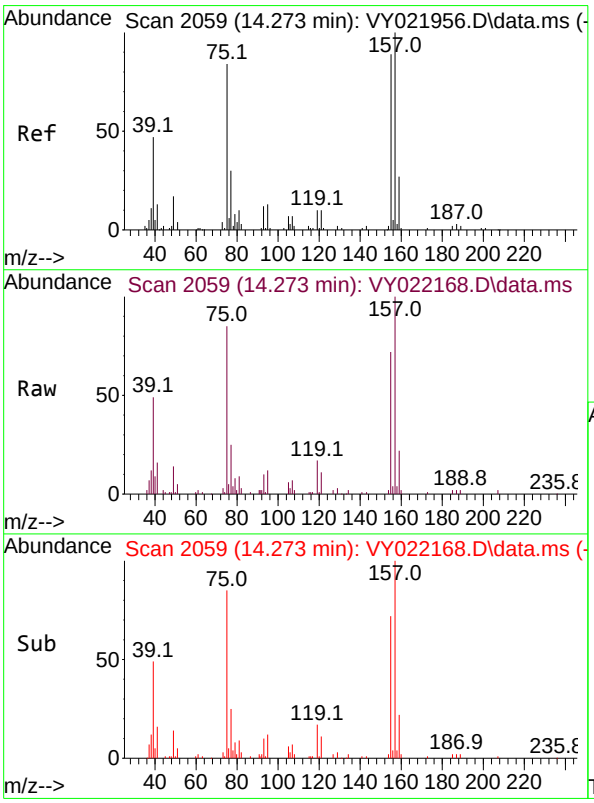
#91
1,2-Dichlorobenzene
Concen: 46.803 ug/l
RT: 13.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 249255

Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.7	59.1
148	63.3	32.1	96.3

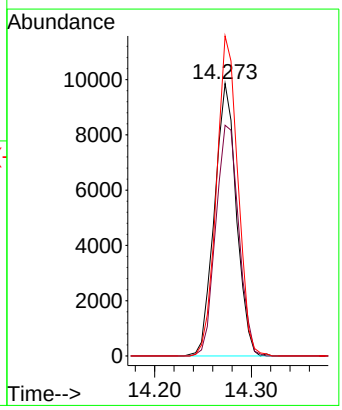


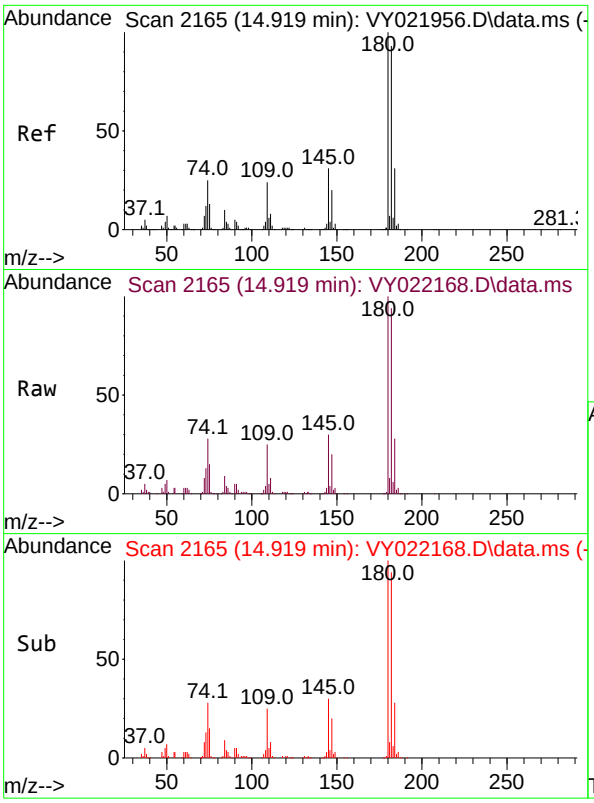


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.506 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion: 75 Resp: 15480

Ion	Ratio	Lower	Upper
75	100		
155	88.7	50.7	152.3
157	114.2	62.6	187.8



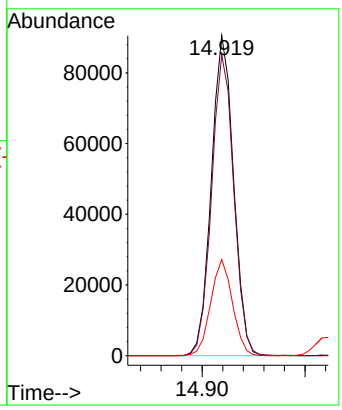


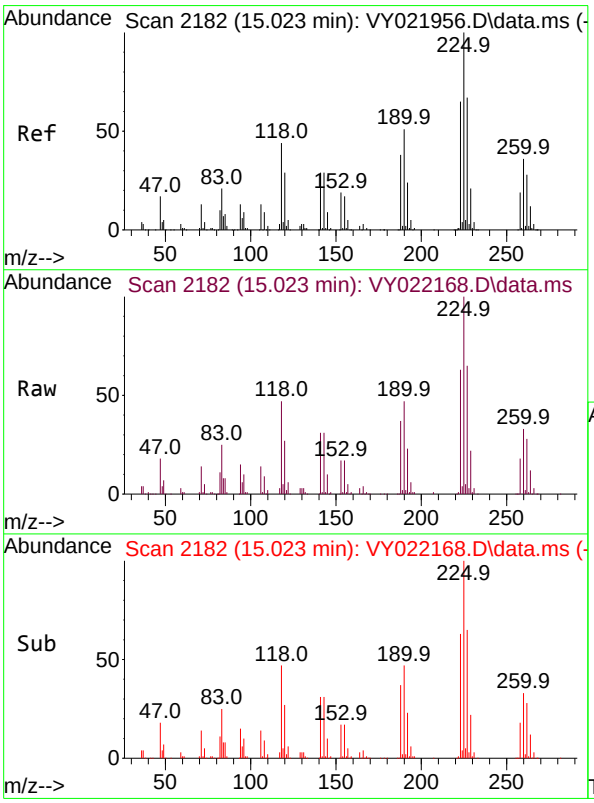
#93
1,2,4-Trichlorobenzene
Concen: 44.918 ug/l
RT: 14.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 135559

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.4
145	29.5	15.0	45.0

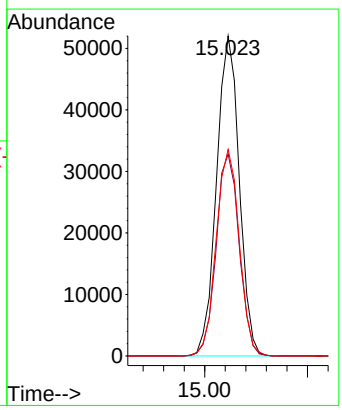


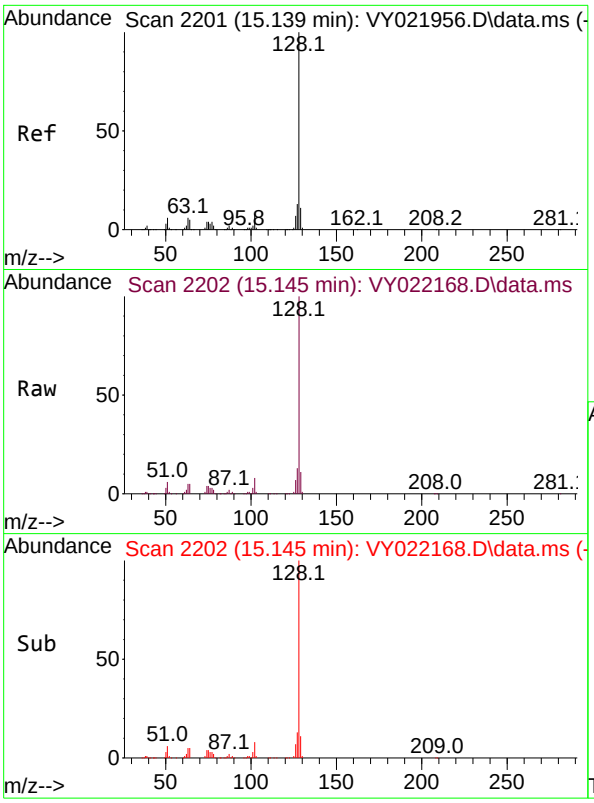


#94
Hexachlorobutadiene
Concen: 42.942 ug/l
RT: 15.023 min Scan# 2182
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:225 Resp: 79735

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	65.6	32.3	96.9



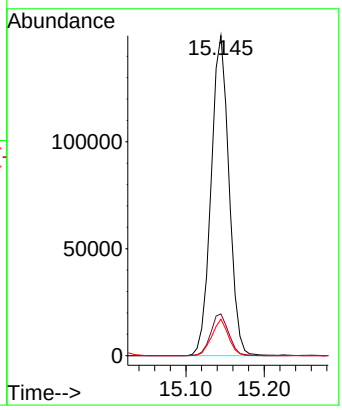


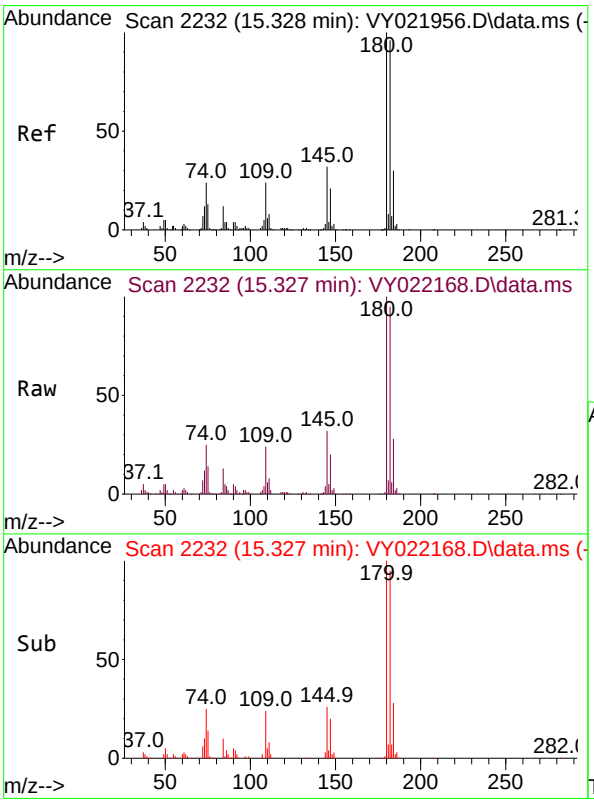
#95
Naphthalene
Concen: 47.354 ug/l
RT: 15.145 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 237399

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.6	8.9	13.3





#96
1,2,3-Trichlorobenzene
Concen: 45.321 ug/l
RT: 15.327 min Scan# 2232
Delta R.T. -0.000 min
Lab File: VY022168.D
Acq: 05 May 2025 18:37

Tgt Ion:180 Resp: 118065

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.4
145	32.2	16.0	48.0